



# Yara Pilbara Nitrates

## 2022-23 Meteorological Conditions

### Ministerial Statement 870

8<sup>th</sup> July 2022 – 7<sup>th</sup> July 2023

<b>Validity</b>	This document was issued for information on 6 <sup>th</sup> October 2023
<b>Document Custodian</b>	Environment and Quality Manager
<b>Document Approver</b>	Plant Manager

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#### Yara Pilbara

**Postal Address**  
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Australia

**Visiting Address**  
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WA 6714

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Air Quality Stations Map





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
08/07/2022 00:10	0.0	58	0	0.0	0.00	17.4	51
08/07/2022 00:20	0.0	58	0	0.1	0.00	17.4	53
08/07/2022 00:30	0.0	44	2	0.0	0.00	17.3	55
08/07/2022 00:40	0.0	38	3	1.0	0.00	17.7	52
08/07/2022 00:50	0.5	50	9	1.7	0.00	18.5	47
08/07/2022 01:00	0.5	39	8	2.5	0.00	17.8	48
08/07/2022 01:10	1.1	28	4	2.2	0.00	17.6	47
08/07/2022 01:20	0.6	20	1	1.3	0.00	18.4	43
08/07/2022 01:30	0.0	67	2	0.2	0.00	18.2	43
08/07/2022 01:40	0.0	71	6	0.2	0.00	17.9	43
08/07/2022 01:50	0.1	37	3	0.6	0.00	18.1	42
08/07/2022 02:00	0.2	34	4	1.2	0.00	18.1	41
08/07/2022 02:10	0.7	53	8	1.8	0.00	17.8	41
08/07/2022 02:20	0.0	49	1	0.6	0.00	17.8	40
08/07/2022 02:30	0.1	50	5	1.4	0.00	17.9	39
08/07/2022 02:40	1.1	39	6	1.8	0.00	17.7	39
08/07/2022 02:50	0.0	47	0	0.1	0.00	17.1	42
08/07/2022 03:00	0.0	15	0	0.0	0.00	16.7	43
08/07/2022 03:10	0.5	38	8	1.0	0.00	16.7	43
08/07/2022 03:20	0.2	63	20	1.7	0.00	17.0	40
08/07/2022 03:30	1.8	127	16	2.4	0.00	17.1	35
08/07/2022 03:40	1.8	156	16	2.7	0.00	17.1	32
08/07/2022 03:50	1.9	167	12	3.1	0.00	17.2	31
08/07/2022 04:00	3.3	167	6	4.1	0.00	17.1	32
08/07/2022 04:10	3.5	168	7	4.6	0.00	17.1	32
08/07/2022 04:20	2.8	167	11	4.6	0.00	17.4	31
08/07/2022 04:30	2.7	168	11	4.3	0.00	17.0	32
08/07/2022 04:40	1.3	157	14	2.5	0.00	16.9	32
08/07/2022 04:50	0.3	138	14	1.4	0.00	16.4	33
08/07/2022 05:00	1.8	103	21	3.3	0.00	16.4	33
08/07/2022 05:10	1.3	88	21	2.7	0.00	16.0	35
08/07/2022 05:20	0.6	81	26	2.2	0.00	15.4	37
08/07/2022 05:30	0.9	96	23	2.4	0.00	15.3	38
08/07/2022 05:40	1.0	44	12	2.1	0.00	14.9	41
08/07/2022 05:50	1.0	52	11	1.7	0.00	14.9	41
08/07/2022 06:00	1.3	70	19	2.3	0.00	15.0	41
08/07/2022 06:10	0.6	90	30	1.9	0.00	15.0	41
08/07/2022 06:20	0.9	87	23	2.4	0.00	14.9	40
08/07/2022 06:30	1.5	101	21	2.7	0.00	15.0	40
08/07/2022 06:40	2.0	106	19	2.9	0.00	15.0	39
08/07/2022 06:50	2.0	99	21	3.0	0.00	14.9	40
08/07/2022 07:00	2.0	94	17	3.2	0.00	13.8	44
08/07/2022 07:10	2.1	101	13	3.1	0.00	13.3	48
08/07/2022 07:20	2.3	110	18	3.6	0.00	14.2	47
08/07/2022 07:30	2.9	115	12	4.4	0.00	15.8	41
08/07/2022 07:40	2.6	108	13	4.1	0.00	16.3	42
08/07/2022 07:50	2.4	106	11	3.6	0.00	16.8	41
08/07/2022 08:00	1.7	102	15	2.8	0.00	17.0	42



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
08/07/2022 08:10	1.7	95	14	2.9	0.00	17.6	40
08/07/2022 08:20	2.2	71	8	3.1	0.00	17.9	37
08/07/2022 08:30	2.3	75	8	3.0	0.00	18.2	36
08/07/2022 08:40	2.5	93	14	3.9	0.00	18.7	34
08/07/2022 08:50	2.8	88	15	3.8	0.00	18.9	32
08/07/2022 09:00	2.6	94	16	4.1	0.00	19.3	30
08/07/2022 09:10	2.4	99	16	3.9	0.00	19.5	29
08/07/2022 09:20	2.4	97	14	3.6	0.00	19.7	28
08/07/2022 09:30	2.4	102	15	3.4	0.00	19.6	28
08/07/2022 09:40	2.3	98	14	4.0	0.00	19.8	28
08/07/2022 09:50	2.4	102	17	3.6	0.00	20.0	29
08/07/2022 10:00	2.5	110	16	4.3	0.00	20.3	30
08/07/2022 10:10	2.8	104	15	4.3	0.00	20.8	31
08/07/2022 10:20	2.9	98	15	4.0	0.00	21.4	30
08/07/2022 10:30	3.8	87	13	5.2	0.00	22.0	27
08/07/2022 10:40	4.0	80	12	6.2	0.00	22.0	28
08/07/2022 10:50	3.9	71	10	5.4	0.00	21.8	27
08/07/2022 11:00	4.0	70	11	5.3	0.00	22.3	28
08/07/2022 11:10	4.3	80	14	5.9	0.00	22.4	28
08/07/2022 11:20	4.8	61	12	6.4	0.00	22.3	30
08/07/2022 11:30	5.7	64	10	7.8	0.00	22.1	28
08/07/2022 11:40	5.6	74	11	7.5	0.00	22.1	27
08/07/2022 11:50	5.3	58	12	7.0	0.00	22.2	28
08/07/2022 12:00	5.8	50	8	7.6	0.00	22.0	29
08/07/2022 12:10	5.4	53	10	7.1	0.00	22.0	31
08/07/2022 12:20	5.3	55	11	6.7	0.00	21.8	32
08/07/2022 12:30	5.1	54	12	6.8	0.00	22.0	31
08/07/2022 12:40	5.4	54	9	6.7	0.00	22.1	28
08/07/2022 12:50	5.2	58	11	7.0	0.00	22.4	29
08/07/2022 13:00	5.3	55	11	6.9	0.00	22.4	30
08/07/2022 13:10	5.2	54	9	6.9	0.00	22.5	29
08/07/2022 13:20	5.8	52	10	7.3	0.00	22.6	28
08/07/2022 13:30	5.4	58	12	6.9	0.00	22.7	29
08/07/2022 13:40	5.0	54	13	6.6	0.00	23.0	30
08/07/2022 13:50	5.4	52	10	6.8	0.00	22.9	29
08/07/2022 14:00	5.4	53	9	7.3	0.00	23.0	30
08/07/2022 14:10	4.7	52	10	6.4	0.00	23.2	29
08/07/2022 14:20	5.0	51	11	6.8	0.00	23.4	27
08/07/2022 14:30	4.6	58	9	6.0	0.00	23.6	26
08/07/2022 14:40	4.2	61	10	5.4	0.00	23.9	24
08/07/2022 14:50	4.2	51	12	6.1	0.00	24.1	23
08/07/2022 15:00	4.5	56	10	5.8	0.00	24.0	22
08/07/2022 15:10	4.3	49	10	5.5	0.00	24.1	24
08/07/2022 15:20	4.5	46	10	5.7	0.00	24.1	24
08/07/2022 15:30	4.7	45	8	6.1	0.00	24.0	24
08/07/2022 15:40	4.4	46	8	5.6	0.00	24.0	24
08/07/2022 15:50	4.7	48	9	6.1	0.00	24.0	23
08/07/2022 16:00	4.8	50	7	6.1	0.00	24.1	21



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
08/07/2022 16:10	4.7	52	8	6.0	0.00	24.1	20
08/07/2022 16:20	4.4	51	8	5.7	0.00	24.0	20
08/07/2022 16:30	4.6	50	7	5.6	0.00	23.9	22
08/07/2022 16:40	4.3	50	7	5.5	0.00	23.9	23
08/07/2022 16:50	3.7	51	7	4.8	0.00	23.7	25
08/07/2022 17:00	3.2	47	8	3.9	0.00	23.6	27
08/07/2022 17:10	3.0	46	8	3.7	0.00	23.2	29
08/07/2022 17:20	2.6	40	4	3.0	0.00	22.5	32
08/07/2022 17:30	2.7	42	4	3.2	0.00	21.6	35
08/07/2022 17:40	2.6	40	4	2.9	0.00	20.9	37
08/07/2022 17:50	2.5	40	3	2.8	0.00	20.6	39
08/07/2022 18:00	2.3	41	2	2.6	0.00	20.6	40
08/07/2022 18:10	1.7	41	1	2.1	0.00	20.6	40
08/07/2022 18:20	1.3	42	0	1.9	0.00	20.4	40
08/07/2022 18:30	0.8	42	0	1.4	0.00	20.0	41
08/07/2022 18:40	0.0	42	0	0.0	0.00	19.8	43
08/07/2022 18:50	0.0	42	0	0.0	0.00	19.7	44
08/07/2022 19:00	0.0	42	0	0.0	0.00	19.7	44
08/07/2022 19:10	0.0	42	0	0.0	0.00	19.6	45
08/07/2022 19:20	0.0	42	0	0.0	0.00	19.5	45
08/07/2022 19:30	0.0	43	0	0.0	0.00	19.4	46
08/07/2022 19:40	0.0	42	0	0.2	0.00	19.3	46
08/07/2022 19:50	0.0	42	0	0.0	0.00	19.1	47
08/07/2022 20:00	0.0	42	0	0.0	0.00	19.0	48
08/07/2022 20:10	0.0	42	0	0.1	0.00	19.4	48
08/07/2022 20:20	0.0	41	0	0.0	0.00	19.0	49
08/07/2022 20:30	0.0	42	0	0.0	0.00	18.1	52
08/07/2022 20:40	0.0	42	0	0.0	0.00	18.1	52
08/07/2022 20:50	0.0	42	0	0.0	0.00	17.7	54
08/07/2022 21:00	0.0	42	0	0.0	0.00	17.3	56
08/07/2022 21:10	0.0	42	0	0.0	0.00	17.1	57
08/07/2022 21:20	0.0	109	11	0.1	0.00	17.3	58
08/07/2022 21:30	0.0	66	0	0.0	0.00	17.4	58
08/07/2022 21:40	0.0	62	1	0.0	0.00	17.3	59
08/07/2022 21:50	0.0	42	1	0.0	0.00	16.9	61
08/07/2022 22:00	0.0	94	3	0.0	0.00	16.8	61
08/07/2022 22:10	0.0	115	8	0.1	0.00	17.4	60
08/07/2022 22:20	0.0	21	6	0.0	0.00	17.4	60
08/07/2022 22:30	0.0	28	3	0.0	0.00	17.1	60
08/07/2022 22:40	0.0	98	2	0.0	0.00	17.2	60
08/07/2022 22:50	0.0	31	3	0.2	0.00	18.2	57
08/07/2022 23:00	0.0	343	4	0.0	0.00	18.6	56
08/07/2022 23:10	0.0	180	4	0.0	0.00	18.0	57
08/07/2022 23:20	0.0	12	3	0.0	0.00	17.2	59
08/07/2022 23:30	0.0	29	0	0.0	0.00	17.5	59
08/07/2022 23:40	0.0	29	0	0.0	0.00	17.9	57
08/07/2022 23:50	0.0	29	0	0.0	0.00	17.7	57
09/07/2022 00:00	0.0	29	0	0.1	0.00	17.2	58



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/07/2022 00:10	0.0	25	1	0.1	0.00	16.9	59
09/07/2022 00:20	0.0	53	6	0.1	0.00	16.8	60
09/07/2022 00:30	0.0	84	2	0.0	0.00	17.6	57
09/07/2022 00:40	0.0	359	0	0.0	0.00	17.7	56
09/07/2022 00:50	0.0	133	5	0.0	0.00	17.7	56
09/07/2022 01:00	0.0	37	3	0.1	0.00	17.9	55
09/07/2022 01:10	0.0	41	0	0.2	0.00	18.1	54
09/07/2022 01:20	0.0	59	1	0.1	0.00	17.4	55
09/07/2022 01:30	0.0	50	0	0.1	0.00	16.5	58
09/07/2022 01:40	0.0	48	1	0.1	0.00	16.8	58
09/07/2022 01:50	0.0	43	0	0.1	0.00	16.9	58
09/07/2022 02:00	0.0	42	0	0.1	0.00	16.9	57
09/07/2022 02:10	0.7	190	22	2.9	0.00	17.0	56
09/07/2022 02:20	3.1	171	7	4.2	0.00	17.1	46
09/07/2022 02:30	2.5	157	10	3.6	0.00	17.6	39
09/07/2022 02:40	2.5	148	13	3.1	0.00	17.1	39
09/07/2022 02:50	2.2	144	16	3.2	0.00	17.1	38
09/07/2022 03:00	2.4	154	17	3.4	0.00	17.2	38
09/07/2022 03:10	1.9	158	15	3.1	0.00	17.1	37
09/07/2022 03:20	2.2	149	15	3.1	0.00	17.2	36
09/07/2022 03:30	1.0	148	12	2.5	0.00	17.1	35
09/07/2022 03:40	1.2	160	8	2.4	0.00	17.1	35
09/07/2022 03:50	0.0	139	0	0.1	0.00	16.3	38
09/07/2022 04:00	0.0	139	5	0.0	0.00	15.6	39
09/07/2022 04:10	0.0	133	1	0.0	0.00	15.4	39
09/07/2022 04:20	0.0	89	0	0.1	0.00	16.0	37
09/07/2022 04:30	0.1	72	3	0.9	0.00	16.0	38
09/07/2022 04:40	0.0	69	0	0.1	0.00	15.1	42
09/07/2022 04:50	0.4	74	13	1.3	0.00	15.2	43
09/07/2022 05:00	0.9	85	16	2.1	0.00	15.4	43
09/07/2022 05:10	0.9	73	17	2.2	0.00	15.1	44
09/07/2022 05:20	1.1	90	19	2.4	0.00	14.6	46
09/07/2022 05:30	0.9	84	16	2.3	0.00	13.9	49
09/07/2022 05:40	1.6	87	16	2.6	0.00	14.0	51
09/07/2022 05:50	0.5	76	12	1.8	0.00	13.7	53
09/07/2022 06:00	0.1	41	2	1.2	0.00	13.4	55
09/07/2022 06:10	1.4	76	17	2.6	0.00	13.4	55
09/07/2022 06:20	1.4	84	20	2.5	0.00	13.5	52
09/07/2022 06:30	1.8	97	15	2.8	0.00	14.0	51
09/07/2022 06:40	1.6	97	13	2.7	0.00	13.9	52
09/07/2022 06:50	0.5	89	8	2.2	0.00	14.4	51
09/07/2022 07:00	0.2	116	8	1.2	0.00	14.6	51
09/07/2022 07:10	2.4	115	15	3.6	0.00	15.0	49
09/07/2022 07:20	1.8	108	18	2.8	0.00	15.5	49
09/07/2022 07:30	2.4	114	13	3.3	0.00	15.9	49
09/07/2022 07:40	2.9	116	9	3.9	0.00	16.5	48
09/07/2022 07:50	2.9	111	11	3.8	0.00	17.0	47
09/07/2022 08:00	3.1	115	9	4.0	0.00	17.2	47



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/07/2022 08:10	3.1	117	8	4.4	0.00	17.2	46
09/07/2022 08:20	2.9	117	10	4.0	0.00	17.2	48
09/07/2022 08:30	2.8	115	10	4.0	0.00	17.3	46
09/07/2022 08:40	3.1	112	11	4.2	0.00	17.6	43
09/07/2022 08:50	3.2	106	15	4.5	0.00	18.0	38
09/07/2022 09:00	3.1	107	17	4.9	0.00	18.3	36
09/07/2022 09:10	3.5	114	11	5.0	0.00	18.2	37
09/07/2022 09:20	3.5	111	12	4.9	0.00	18.3	37
09/07/2022 09:30	3.3	111	14	4.6	0.00	18.8	37
09/07/2022 09:40	3.7	109	14	5.4	0.00	18.9	38
09/07/2022 09:50	3.4	103	15	5.4	0.00	19.3	41
09/07/2022 10:00	3.8	94	16	5.6	0.00	20.5	38
09/07/2022 10:10	5.6	87	11	7.7	0.00	21.0	31
09/07/2022 10:20	5.7	83	10	8.3	0.00	21.1	28
09/07/2022 10:30	5.7	79	10	7.5	0.00	20.9	27
09/07/2022 10:40	5.6	78	10	7.8	0.00	21.1	29
09/07/2022 10:50	6.3	75	8	8.3	0.00	20.9	27
09/07/2022 11:00	5.6	78	10	7.5	0.00	20.7	30
09/07/2022 11:10	5.4	70	10	7.5	0.00	20.8	30
09/07/2022 11:20	4.8	71	12	6.6	0.00	21.1	32
09/07/2022 11:30	5.0	73	13	7.5	0.00	20.9	32
09/07/2022 11:40	4.4	69	11	6.0	0.00	21.2	34
09/07/2022 11:50	5.0	64	12	7.0	0.00	21.1	34
09/07/2022 12:00	5.7	68	9	7.6	0.00	21.2	33
09/07/2022 12:10	5.7	77	10	7.5	0.00	21.4	33
09/07/2022 12:20	5.5	80	11	7.9	0.00	21.6	33
09/07/2022 12:30	5.7	76	13	8.0	0.00	21.5	31
09/07/2022 12:40	5.5	72	10	7.0	0.00	21.1	34
09/07/2022 12:50	4.9	68	8	6.1	0.00	21.1	37
09/07/2022 13:00	4.2	67	10	5.5	0.00	21.5	37
09/07/2022 13:10	4.6	69	9	5.9	0.00	21.5	37
09/07/2022 13:20	4.7	68	7	6.6	0.00	21.3	37
09/07/2022 13:30	4.0	77	10	5.4	0.00	21.9	38
09/07/2022 13:40	4.2	71	11	5.6	0.00	21.8	37
09/07/2022 13:50	5.1	71	7	6.5	0.00	21.4	38
09/07/2022 14:00	5.1	77	9	6.9	0.00	21.8	38
09/07/2022 14:10	5.4	83	7	6.6	0.00	22.0	38
09/07/2022 14:20	5.9	75	10	7.9	0.00	22.2	35
09/07/2022 14:30	5.0	74	10	6.9	0.00	22.8	34
09/07/2022 14:40	4.7	61	10	6.2	0.00	23.1	34
09/07/2022 14:50	5.1	58	9	6.2	0.00	22.9	34
09/07/2022 15:00	4.8	61	9	7.2	0.00	22.7	34
09/07/2022 15:10	4.8	66	12	6.3	0.00	22.8	34
09/07/2022 15:20	4.7	63	13	6.3	0.00	22.9	35
09/07/2022 15:30	4.7	58	13	6.1	0.00	22.7	38
09/07/2022 15:40	4.3	47	8	5.4	0.00	22.7	39
09/07/2022 15:50	4.2	46	9	5.6	0.00	22.8	40
09/07/2022 16:00	4.1	44	9	5.2	0.00	22.7	41



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/07/2022 16:10	4.2	47	8	5.2	0.00	22.7	42
09/07/2022 16:20	4.3	51	8	5.2	0.00	22.5	43
09/07/2022 16:30	4.4	54	8	5.3	0.00	22.6	43
09/07/2022 16:40	4.0	54	8	5.2	0.00	22.6	45
09/07/2022 16:50	3.9	55	8	5.0	0.00	22.4	48
09/07/2022 17:00	3.5	54	8	4.7	0.00	22.2	50
09/07/2022 17:10	3.3	50	7	4.1	0.00	21.9	53
09/07/2022 17:20	2.6	45	6	3.5	0.00	21.7	54
09/07/2022 17:30	2.5	48	7	3.1	0.00	20.9	57
09/07/2022 17:40	3.0	51	7	3.9	0.00	20.5	56
09/07/2022 17:50	2.6	49	5	3.1	0.00	20.0	58
09/07/2022 18:00	2.6	49	4	3.0	0.00	19.6	60
09/07/2022 18:10	1.9	50	2	2.4	0.00	19.3	62
09/07/2022 18:20	1.7	51	1	2.3	0.00	19.0	62
09/07/2022 18:30	1.3	52	1	2.1	0.00	19.1	63
09/07/2022 18:40	0.9	52	0	1.5	0.00	19.3	63
09/07/2022 18:50	0.0	53	0	0.0	0.00	19.3	65
09/07/2022 19:00	0.0	53	0	0.1	0.00	19.1	65
09/07/2022 19:10	0.0	52	0	0.0	0.00	19.2	64
09/07/2022 19:20	0.0	49	0	0.0	0.00	19.2	62
09/07/2022 19:30	0.0	49	0	0.0	0.00	19.3	59
09/07/2022 19:40	0.0	50	0	0.1	0.00	19.5	57
09/07/2022 19:50	0.0	50	0	0.0	0.00	19.3	57
09/07/2022 20:00	0.0	50	0	0.1	0.00	19.1	57
09/07/2022 20:10	0.0	50	0	0.1	0.00	18.4	59
09/07/2022 20:20	0.0	50	0	0.0	0.00	18.1	60
09/07/2022 20:30	0.0	50	0	0.0	0.00	17.7	61
09/07/2022 20:40	0.0	50	0	0.1	0.00	18.5	58
09/07/2022 20:50	0.0	50	0	0.0	0.00	18.3	57
09/07/2022 21:00	0.0	51	0	0.1	0.00	17.4	60
09/07/2022 21:10	0.0	51	0	0.1	0.00	17.7	60
09/07/2022 21:20	0.0	50	0	0.1	0.00	17.9	58
09/07/2022 21:30	0.0	48	0	0.1	0.00	17.1	59
09/07/2022 21:40	0.0	49	0	0.1	0.00	16.8	61
09/07/2022 21:50	0.0	48	0	0.0	0.00	16.6	62
09/07/2022 22:00	0.0	48	0	0.0	0.00	15.6	69
09/07/2022 22:10	0.0	49	0	0.0	0.00	16.9	65
09/07/2022 22:20	0.0	47	0	0.1	0.00	18.1	66
09/07/2022 22:30	0.0	48	0	0.1	0.00	18.1	69
09/07/2022 22:40	0.0	49	0	0.0	0.00	17.0	70
09/07/2022 22:50	0.0	49	0	0.2	0.00	16.4	72
09/07/2022 23:00	0.0	49	0	0.1	0.00	17.1	71
09/07/2022 23:10	0.0	49	0	0.1	0.00	16.8	71
09/07/2022 23:20	0.0	48	0	0.1	0.00	16.3	72
09/07/2022 23:30	0.0	48	0	0.1	0.00	16.1	72
09/07/2022 23:40	0.0	48	0	0.1	0.00	16.0	73
09/07/2022 23:50	0.0	49	0	0.1	0.00	15.7	74
10/07/2022 00:00	0.0	48	0	0.1	0.00	16.5	74





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/07/2022 00:10	0.0	48	0	0.1	0.00	15.9	73
10/07/2022 00:20	0.0	48	0	0.1	0.00	15.9	73
10/07/2022 00:30	0.0	48	0	0.1	0.00	15.2	74
10/07/2022 00:40	1.1	48	0	1.7	0.00	15.9	75
10/07/2022 00:50	0.4	54	2	1.0	0.00	16.1	73
10/07/2022 01:00	0.0	50	1	0.1	0.00	16.3	73
10/07/2022 01:10	0.0	37	1	0.1	0.00	16.2	72
10/07/2022 01:20	0.0	30	0	0.6	0.00	16.3	72
10/07/2022 01:30	0.0	31	0	0.1	0.00	16.2	71
10/07/2022 01:40	0.0	31	0	0.1	0.00	16.1	72
10/07/2022 01:50	0.0	31	0	0.0	0.00	15.1	72
10/07/2022 02:00	0.0	352	1	0.0	0.00	14.9	74
10/07/2022 02:10	0.5	196	7	1.9	0.00	14.7	74
10/07/2022 02:20	0.2	39	0	0.9	0.00	14.7	73
10/07/2022 02:30	0.0	83	11	0.6	0.00	15.2	70
10/07/2022 02:40	0.0	123	8	0.1	0.00	15.8	68
10/07/2022 02:50	1.3	171	7	3.0	0.00	16.4	67
10/07/2022 03:00	2.2	180	15	3.3	0.00	16.8	62
10/07/2022 03:10	0.6	186	19	2.4	0.00	16.9	61
10/07/2022 03:20	0.9	200	26	2.8	0.00	16.5	63
10/07/2022 03:30	1.9	183	12	3.2	0.00	17.2	60
10/07/2022 03:40	0.0	172	9	0.6	0.00	17.1	57
10/07/2022 03:50	0.0	225	14	0.5	0.00	16.7	58
10/07/2022 04:00	0.1	196	5	0.8	0.00	16.9	58
10/07/2022 04:10	0.1	183	10	0.9	0.00	16.7	56
10/07/2022 04:20	0.0	172	5	0.1	0.00	16.7	52
10/07/2022 04:30	0.4	174	17	1.4	0.00	16.6	49
10/07/2022 04:40	0.2	147	14	1.1	0.00	16.6	48
10/07/2022 04:50	1.3	167	9	2.8	0.00	16.8	45
10/07/2022 05:00	0.2	153	4	1.6	0.00	16.9	43
10/07/2022 05:10	2.4	152	9	2.9	0.00	16.6	43
10/07/2022 05:20	2.2	149	9	2.9	0.00	16.7	40
10/07/2022 05:30	1.6	152	18	3.3	0.00	17.0	37
10/07/2022 05:40	2.9	165	12	4.6	0.00	17.4	35
10/07/2022 05:50	2.1	133	36	3.6	0.00	17.2	35
10/07/2022 06:00	0.4	164	17	2.1	0.00	16.3	38
10/07/2022 06:10	3.0	170	15	4.1	0.00	16.9	35
10/07/2022 06:20	2.3	178	15	3.9	0.00	17.2	33
10/07/2022 06:30	1.8	179	17	3.6	0.00	17.2	33
10/07/2022 06:40	1.2	94	33	3.1	0.00	16.4	35
10/07/2022 06:50	0.0	26	3	0.0	0.00	15.8	36
10/07/2022 07:00	0.0	33	4	0.1	0.00	15.8	37
10/07/2022 07:10	0.0	63	1	0.0	0.00	14.5	42
10/07/2022 07:20	0.7	53	13	2.0	0.00	14.4	43
10/07/2022 07:30	0.3	74	5	1.0	0.00	15.3	42
10/07/2022 07:40	0.0	72	4	0.6	0.00	16.3	41
10/07/2022 07:50	0.0	51	6	0.6	0.00	16.9	41
10/07/2022 08:00	0.4	47	7	1.2	0.00	17.1	43



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/07/2022 08:10	2.3	58	7	2.9	0.00	17.2	45
10/07/2022 08:20	2.2	59	8	3.0	0.00	17.7	44
10/07/2022 08:30	2.6	60	9	3.0	0.00	18.1	44
10/07/2022 08:40	2.5	60	8	3.1	0.00	18.6	41
10/07/2022 08:50	2.2	83	12	2.9	0.00	19.3	38
10/07/2022 09:00	2.0	112	16	3.1	0.00	19.7	36
10/07/2022 09:10	2.3	121	11	3.0	0.00	19.5	39
10/07/2022 09:20	2.1	111	11	2.8	0.00	19.6	40
10/07/2022 09:30	1.7	107	11	2.6	0.00	19.9	36
10/07/2022 09:40	2.3	112	12	3.0	0.00	20.2	31
10/07/2022 09:50	2.1	125	15	3.1	0.00	20.7	28
10/07/2022 10:00	2.0	128	12	3.3	0.00	21.2	27
10/07/2022 10:10	2.4	112	17	3.4	0.00	21.3	27
10/07/2022 10:20	1.9	120	17	3.2	0.00	21.6	28
10/07/2022 10:30	2.0	103	15	3.4	0.00	21.6	30
10/07/2022 10:40	2.3	97	13	3.2	0.00	21.7	29
10/07/2022 10:50	2.3	110	19	3.0	0.00	21.9	30
10/07/2022 11:00	2.0	125	14	2.9	0.00	21.8	30
10/07/2022 11:10	2.0	115	17	3.1	0.00	22.2	29
10/07/2022 11:20	1.9	101	21	2.9	0.00	22.6	28
10/07/2022 11:30	2.4	96	15	3.4	0.00	23.0	26
10/07/2022 11:40	2.5	98	15	3.6	0.00	23.4	26
10/07/2022 11:50	2.8	84	13	3.9	0.00	23.8	25
10/07/2022 12:00	3.1	96	15	4.4	0.00	23.7	24
10/07/2022 12:10	2.8	92	15	3.8	0.00	24.5	24
10/07/2022 12:20	3.4	90	15	4.8	0.00	24.5	23
10/07/2022 12:30	3.6	71	14	4.6	0.00	24.5	21
10/07/2022 12:40	4.1	71	9	5.3	0.00	24.1	21
10/07/2022 12:50	3.9	77	9	5.3	0.00	24.5	19
10/07/2022 13:00	4.4	76	9	5.7	0.00	24.2	18
10/07/2022 13:10	4.1	78	8	5.0	0.00	24.3	17
10/07/2022 13:20	4.1	77	8	5.1	0.00	24.1	17
10/07/2022 13:30	3.9	76	8	4.9	0.00	24.2	17
10/07/2022 13:40	3.9	80	10	5.2	0.00	24.2	17
10/07/2022 13:50	4.3	78	8	5.5	0.00	24.1	18
10/07/2022 14:00	4.5	76	11	5.9	0.00	23.9	22
10/07/2022 14:10	4.3	70	10	5.6	0.00	23.9	27
10/07/2022 14:20	4.2	69	12	5.6	0.00	23.7	30
10/07/2022 14:30	4.3	74	10	5.5	0.00	23.5	31
10/07/2022 14:40	4.2	70	12	5.6	0.00	23.6	29
10/07/2022 14:50	3.9	66	11	4.9	0.00	23.8	28
10/07/2022 15:00	3.9	52	8	4.8	0.00	23.9	23
10/07/2022 15:10	3.9	56	11	5.0	0.00	24.2	21
10/07/2022 15:20	3.9	56	10	4.8	0.00	24.1	26
10/07/2022 15:30	4.2	48	8	5.2	0.00	23.9	28
10/07/2022 15:40	4.8	48	8	5.6	0.00	23.5	29
10/07/2022 15:50	4.3	47	10	5.5	0.00	23.7	31
10/07/2022 16:00	4.9	50	7	5.9	0.00	23.4	31



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/07/2022 16:10	4.8	54	9	6.5	0.00	23.4	30
10/07/2022 16:20	4.5	53	8	5.8	0.00	23.3	32
10/07/2022 16:30	4.3	50	7	5.4	0.00	23.3	33
10/07/2022 16:40	4.1	46	9	5.5	0.00	23.1	35
10/07/2022 16:50	4.0	47	8	4.9	0.00	22.8	38
10/07/2022 17:00	3.6	48	6	4.7	0.00	22.6	39
10/07/2022 17:10	3.3	47	8	4.4	0.00	22.4	40
10/07/2022 17:20	2.8	44	7	3.7	0.00	22.0	42
10/07/2022 17:30	2.4	50	8	3.2	0.00	21.2	45
10/07/2022 17:40	1.0	47	7	2.2	0.00	20.9	45
10/07/2022 17:50					0.00	20.6	45
10/07/2022 18:00	0.0	37	1	0.0	0.00	20.9	46
10/07/2022 18:10	0.0	16	0	0.0	0.00	20.9	45
10/07/2022 18:20	0.0	345	0	0.0	0.00	20.3	46
10/07/2022 18:30	0.0	3	6	0.1	0.00	20.2	44
10/07/2022 18:40	0.0	45	0	0.0	0.00	19.7	49
10/07/2022 18:50	0.0	44	0	0.0	0.00	19.4	53
10/07/2022 19:00	0.0	267	9	0.5	0.00	19.1	50
10/07/2022 19:10	0.0	265	0	0.0	0.00	19.1	52
10/07/2022 19:20	0.0	265	0	0.0	0.00	18.7	51
10/07/2022 19:30	0.0	265	0	0.0	0.00	18.7	53
10/07/2022 19:40	0.0	264	0	0.0	0.00	19.5	52
10/07/2022 19:50	0.0	258	0	0.1	0.00	19.3	52
10/07/2022 20:00	0.2	258	3	1.1	0.00	19.1	56
10/07/2022 20:10	2.3	267	4	2.7	0.00	19.0	61
10/07/2022 20:20	1.9	267	7	2.6	0.00	18.8	64
10/07/2022 20:30	1.1	258	7	2.4	0.00	19.0	64
10/07/2022 20:40	0.0	254	0	0.0	0.00	19.2	63
10/07/2022 20:50	0.0	257	1	0.1	0.00	19.0	63
10/07/2022 21:00	0.0	255	2	0.0	0.00	18.9	64
10/07/2022 21:10	0.0	259	0	0.0	0.00	19.0	65
10/07/2022 21:20	0.0	267	1	0.0	0.00	19.0	64
10/07/2022 21:30	0.0	269	1	0.0	0.00	19.1	62
10/07/2022 21:40	0.0	255	1	0.0	0.00	18.4	62
10/07/2022 21:50	0.0	257	0	0.0	0.00	17.6	67
10/07/2022 22:00	0.0	261	0	0.1	0.00	18.0	64
10/07/2022 22:10	0.0	261	0	0.1	0.00	17.4	67
10/07/2022 22:20	0.0	261	0	0.0	0.00	17.1	67
10/07/2022 22:30	0.0	261	0	0.1	0.00	17.3	64
10/07/2022 22:40	0.0	261	0	0.0	0.00	16.9	64
10/07/2022 22:50	0.0	260	0	0.1	0.00	16.7	64
10/07/2022 23:00	0.0	256	1	0.1	0.00	17.2	62
10/07/2022 23:10	0.2	265	2	1.2	0.00	18.3	58
10/07/2022 23:20	2.1	266	4	2.8	0.00	18.0	61
10/07/2022 23:30	2.2	262	4	2.8	0.00	17.6	64
10/07/2022 23:40	2.1	269	7	3.0	0.00	16.8	67
10/07/2022 23:50	2.4	274	4	2.9	0.00	17.1	64
11/07/2022 00:00	1.3	272	9	2.5	0.00	17.3	61



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
11/07/2022 00:10	0.0	282	3	0.0	0.00	16.8	61
11/07/2022 00:20	1.1	273	5	2.4	0.00	17.1	57
11/07/2022 00:30	2.4	275	4	3.2	0.00	17.7	52
11/07/2022 00:40	1.9	277	5	2.7	0.00	17.8	50
11/07/2022 00:50	2.0	273	4	2.6	0.00	17.6	49
11/07/2022 01:00	0.8	265	7	1.1	0.00	17.0	53
11/07/2022 01:10	0.0	271	1	0.1	0.00	16.4	55
11/07/2022 01:20	0.0	271	0	0.2	0.00	16.1	55
11/07/2022 01:30	0.0	271	0	0.1	0.00	16.1	52
11/07/2022 01:40	0.0	180	13	0.0	0.00	15.8	52
11/07/2022 01:50	0.0	76	0	0.0	0.00	14.4	58
11/07/2022 02:00	0.0	71	0	0.0	0.00	15.1	56
11/07/2022 02:10	0.0	94	1	0.1	0.00	15.6	57
11/07/2022 02:20	0.0	88	3	0.1	0.00	15.1	56
11/07/2022 02:30	0.0	66	0	0.0	0.00	14.9	53
11/07/2022 02:40	0.0	70	0	0.0	0.00	14.6	51
11/07/2022 02:50	0.0	57	0	0.0	0.00	14.4	52
11/07/2022 03:00	1.2	49	3	2.2	0.00	13.8	55
11/07/2022 03:10	1.9	73	4	2.7	0.00	14.1	59
11/07/2022 03:20	1.9	51	4	2.8	0.00	13.6	59
11/07/2022 03:30	1.5	50	1	2.3	0.00	14.0	59
11/07/2022 03:40	0.0	33	1	0.0	0.00	13.8	59
11/07/2022 03:50	0.0	28	0	0.1	0.00	14.0	59
11/07/2022 04:00	0.0	32	1	0.1	0.00	14.8	56
11/07/2022 04:10	0.0	48	2	0.0	0.00	15.5	51
11/07/2022 04:20	0.0	45	1	0.0	0.00	16.2	47
11/07/2022 04:30	0.0	51	0	0.0	0.00	16.8	44
11/07/2022 04:40	0.0	54	0	0.0	0.00	16.5	47
11/07/2022 04:50	0.0	39	0	0.0	0.00	16.3	48
11/07/2022 05:00	1.3	47	2	2.5	0.00	16.0	52
11/07/2022 05:10	1.3	47	2	1.8	0.00	16.3	50
11/07/2022 05:20	1.3	51	5	1.8	0.00	16.4	48
11/07/2022 05:30	0.0	52	1	0.6	0.00	16.3	47
11/07/2022 05:40	0.0	65	1	0.0	0.00	14.7	52
11/07/2022 05:50	0.5	32	3	1.9	0.00	15.5	51
11/07/2022 06:00	0.2	46	7	0.8	0.00	16.2	50
11/07/2022 06:10	0.1	79	10	1.2	0.00	15.3	54
11/07/2022 06:20	1.3	43	7	2.5	0.00	14.2	60
11/07/2022 06:30	0.0	50	1	0.0	0.00	13.9	65
11/07/2022 06:40	0.6	60	10	1.4	0.00	14.1	65
11/07/2022 06:50	2.7	59	5	3.2	0.00	14.3	68
11/07/2022 07:00	3.0	59	5	3.5	0.00	14.9	69
11/07/2022 07:10	2.6	66	5	3.2	0.00	14.8	72
11/07/2022 07:20	3.2	56	5	3.8	0.00	15.4	74
11/07/2022 07:30	2.4	53	9	3.0	0.00	15.9	72
11/07/2022 07:40	2.4	55	6	2.8	0.00	16.4	65
11/07/2022 07:50	2.2	60	9	2.9	0.00	16.7	61
11/07/2022 08:00	2.3	46	7	3.0	0.00	16.9	59



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
11/07/2022 08:10	2.4	51	7	3.1	0.00	17.4	59
11/07/2022 08:20	1.9	59	10	2.5	0.00	17.9	59
11/07/2022 08:30	1.7	89	9	2.5	0.00	18.3	60
11/07/2022 08:40	1.8	87	11	2.6	0.00	18.8	59
11/07/2022 08:50	1.9	82	5	2.5	0.00	18.8	59
11/07/2022 09:00	2.4	86	10	3.2	0.00	19.2	59
11/07/2022 09:10	2.4	95	14	3.3	0.00	19.5	59
11/07/2022 09:20	2.7	110	11	3.9	0.00	19.7	54
11/07/2022 09:30	2.5	105	14	3.7	0.00	20.1	48
11/07/2022 09:40	2.5	104	15	3.5	0.00	20.3	46
11/07/2022 09:50	2.2	102	15	3.3	0.00	20.7	43
11/07/2022 10:00	2.4	106	18	3.7	0.00	21.1	38
11/07/2022 10:10	2.4	89	15	3.3	0.00	21.0	36
11/07/2022 10:20	2.1	94	21	3.0	0.00	21.4	36
11/07/2022 10:30	2.8	81	12	3.8	0.00	21.6	33
11/07/2022 10:40	2.2	88	20	3.7	0.00	22.5	31
11/07/2022 10:50	2.8	87	21	4.0	0.00	22.7	30
11/07/2022 11:00	2.8	76	16	3.8	0.00	23.3	30
11/07/2022 11:10	3.6	78	10	5.1	0.00	22.8	34
11/07/2022 11:20	4.1	88	10	5.5	0.00	23.1	36
11/07/2022 11:30	4.9	80	7	6.5	0.00	23.1	34
11/07/2022 11:40	4.9	83	8	6.0	0.00	23.2	36
11/07/2022 11:50	4.7	80	11	6.8	0.00	22.9	37
11/07/2022 12:00	5.2	87	9	6.9	0.00	23.4	36
11/07/2022 12:10	5.4	83	11	6.7	0.00	23.3	37
11/07/2022 12:20	5.3	81	9	7.5	0.00	23.6	35
11/07/2022 12:30	5.8	80	11	7.6	0.00	23.5	34
11/07/2022 12:40	5.8	72	9	7.9	0.00	23.6	36
11/07/2022 12:50	5.6	72	10	6.9	0.00	23.4	38
11/07/2022 13:00	5.6	70	10	7.1	0.00	23.5	38
11/07/2022 13:10	6.3	70	8	8.1	0.00	23.2	37
11/07/2022 13:20	5.5	72	11	7.3	0.00	23.6	36
11/07/2022 13:30	6.1	73	9	8.2	0.00	23.7	36
11/07/2022 13:40	5.3	75	11	7.3	0.00	23.9	35
11/07/2022 13:50	6.3	85	7	7.8	0.00	23.4	36
11/07/2022 14:00	5.7	84	7	7.4	0.00	23.4	37
11/07/2022 14:10	5.2	80	9	6.9	0.00	23.6	38
11/07/2022 14:20	5.3	73	10	7.0	0.00	23.7	36
11/07/2022 14:30	5.9	70	9	7.7	0.00	23.6	36
11/07/2022 14:40	5.8	70	8	7.3	0.00	23.5	37
11/07/2022 14:50	5.9	71	8	7.5	0.00	23.5	36
11/07/2022 15:00	5.3	77	9	7.4	0.00	23.9	36
11/07/2022 15:10	4.8	63	12	6.2	0.00	24.5	34
11/07/2022 15:20	5.1	55	9	6.5	0.00	24.4	32
11/07/2022 15:30	5.0	54	9	6.6	0.00	24.3	34
11/07/2022 15:40	4.4	49	10	6.4	0.00	24.4	35
11/07/2022 15:50	4.6	52	10	6.6	0.00	24.2	36
11/07/2022 16:00	4.5	46	11	6.0	0.00	24.2	37



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
11/07/2022 16:10	4.5	44	8	6.0	0.00	24.0	39
11/07/2022 16:20	4.5	43	8	5.4	0.00	23.7	42
11/07/2022 16:30	4.6	44	7	5.5	0.00	23.5	43
11/07/2022 16:40	4.1	47	7	5.2	0.00	23.4	46
11/07/2022 16:50	3.8	49	7	4.9	0.00	23.1	49
11/07/2022 17:00	3.9	49	6	4.7	0.00	22.9	51
11/07/2022 17:10	3.6	54	7	4.4	0.00	22.7	53
11/07/2022 17:20	3.1	57	9	4.0	0.00	22.5	55
11/07/2022 17:30	1.7	57	7	2.7	0.00	21.9	58
11/07/2022 17:40	1.3	56	8	2.1	0.00	21.3	61
11/07/2022 17:50	0.6	57	5	1.5	0.00	20.9	61
11/07/2022 18:00	0.0	78	0	0.0	0.00	20.7	61
11/07/2022 18:10	0.0	68	0	0.0	0.00	20.8	62
11/07/2022 18:20	0.0	63	0	0.0	0.00	20.7	62
11/07/2022 18:30	0.6	60	2	1.8	0.00	20.5	63
11/07/2022 18:40	0.0	54	0	0.0	0.00	20.1	64
11/07/2022 18:50	0.0	50	0	0.0	0.00	19.9	64
11/07/2022 19:00	0.0	52	0	0.0	0.00	20.0	64
11/07/2022 19:10	0.0	51	0	0.0	0.00	19.8	64
11/07/2022 19:20	0.0	52	0	0.1	0.00	19.7	65
11/07/2022 19:30	0.0	47	0	0.0	0.00	19.5	66
11/07/2022 19:40	0.0	51	0	0.0	0.00	19.7	67
11/07/2022 19:50	0.0	51	1	0.1	0.00	19.5	66
11/07/2022 20:00	0.0	59	0	0.0	0.00	18.8	66
11/07/2022 20:10	0.0	58	0	0.1	0.00	18.6	66
11/07/2022 20:20	0.0	58	0	0.1	0.00	18.4	66
11/07/2022 20:30	0.0	58	0	0.1	0.00	18.4	68
11/07/2022 20:40	0.0	58	0	0.0	0.00	18.4	70
11/07/2022 20:50	0.0	53	1	0.0	0.00	18.6	71
11/07/2022 21:00	0.0	57	1	0.0	0.00	18.7	73
11/07/2022 21:10	0.0	65	0	0.1	0.00	18.5	74
11/07/2022 21:20	0.0	46	1	0.1	0.00	18.9	76
11/07/2022 21:30	0.0	43	0	0.0	0.00	18.6	76
11/07/2022 21:40	0.0	48	0	0.1	0.00	18.0	76
11/07/2022 21:50	1.0	51	2	2.5	0.00	17.1	77
11/07/2022 22:00	0.5	44	4	1.1	0.00	17.4	78
11/07/2022 22:10	0.0	70	7	0.9	0.00	17.8	78
11/07/2022 22:20	0.0	42	10	0.1	0.00	17.7	79
11/07/2022 22:30	0.0	54	0	0.0	0.00	17.7	79
11/07/2022 22:40	0.0	6	4	0.1	0.00	17.7	79
11/07/2022 22:50	0.0	30	0	0.1	0.00	17.6	79
11/07/2022 23:00	0.0	27	1	0.1	0.00	17.8	79
11/07/2022 23:10	0.0	14	2	0.1	0.00	17.6	78
11/07/2022 23:20	0.0	30	1	0.1	0.00	17.8	77
11/07/2022 23:30	0.0	19	1	0.1	0.00	17.6	75
11/07/2022 23:40	0.0	19	0	0.1	0.00	17.4	75
11/07/2022 23:50	0.0	321	6	0.0	0.00	17.4	74
12/07/2022 00:00	0.0	291	3	0.1	0.00	17.5	74



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/07/2022 00:10	0.0	301	4	0.0	0.00	17.7	73
12/07/2022 00:20	0.0	29	4	0.0	0.00	18.0	72
12/07/2022 00:30	0.0	61	2	0.1	0.00	18.0	70
12/07/2022 00:40	0.0	40	2	0.2	0.00	18.3	67
12/07/2022 00:50	0.0	31	0	0.0	0.00	17.9	66
12/07/2022 01:00	0.0	63	4	0.1	0.00	17.7	66
12/07/2022 01:10	0.0	48	1	0.1	0.00	18.0	64
12/07/2022 01:20	0.0	35	0	0.1	0.00	17.3	67
12/07/2022 01:30	0.0	34	0	0.1	0.00	16.4	70
12/07/2022 01:40	0.0	34	0	0.1	0.00	16.1	71
12/07/2022 01:50	0.0	34	0	0.1	0.00	15.8	71
12/07/2022 02:00	1.3	165	6	2.9	0.00	16.2	70
12/07/2022 02:10	1.2	161	8	2.4	0.00	16.2	66
12/07/2022 02:20	1.0	171	4	2.2	0.00	17.3	54
12/07/2022 02:30	0.7	164	6	2.2	0.00	17.2	51
12/07/2022 02:40	1.5	162	15	3.2	0.00	17.7	47
12/07/2022 02:50	2.3	176	18	3.8	0.00	17.9	46
12/07/2022 03:00	3.0	177	11	4.2	0.00	18.5	42
12/07/2022 03:10	2.3	185	14	3.8	0.00	18.8	39
12/07/2022 03:20	2.8	175	10	4.0	0.00	18.9	38
12/07/2022 03:30	0.9	99	19	2.4	0.00	18.3	40
12/07/2022 03:40	1.8	45	11	2.8	0.00	16.5	46
12/07/2022 03:50	1.2	67	17	2.4	0.00	16.9	45
12/07/2022 04:00	0.0	21	3	0.1	0.00	16.7	44
12/07/2022 04:10	0.4	46	8	2.1	0.00	16.4	46
12/07/2022 04:20	0.0	47	5	0.0	0.00	15.9	49
12/07/2022 04:30	0.1	53	8	1.5	0.00	16.4	48
12/07/2022 04:40	0.0	77	4	0.5	0.00	16.4	48
12/07/2022 04:50	0.0	55	6	0.6	0.00	16.3	49
12/07/2022 05:00	0.0	179	13	0.1	0.00	15.5	52
12/07/2022 05:10	0.0	114	1	0.0	0.00	15.7	54
12/07/2022 05:20	0.0	86	0	0.0	0.00	15.9	55
12/07/2022 05:30	0.1	60	9	0.9	0.00	16.2	56
12/07/2022 05:40	0.5	82	21	2.1	0.00	16.4	58
12/07/2022 05:50	0.5	76	13	2.1	0.00	16.1	60
12/07/2022 06:00	0.4	58	15	2.0	0.00	16.0	63
12/07/2022 06:10	1.0	40	17	2.3	0.00	15.6	66
12/07/2022 06:20	0.8	45	13	2.3	0.00	15.4	65
12/07/2022 06:30	0.4	64	15	1.4	0.00	15.3	65
12/07/2022 06:40	0.5	85	21	1.9	0.00	15.3	65
12/07/2022 06:50	1.6	104	25	3.1	0.00	15.1	65
12/07/2022 07:00	2.5	102	16	3.5	0.00	14.9	67
12/07/2022 07:10	2.2	101	15	3.6	0.00	15.3	67
12/07/2022 07:20	2.5	106	15	3.8	0.00	16.4	62
12/07/2022 07:30	2.2	94	12	3.6	0.00	16.8	61
12/07/2022 07:40	2.9	88	10	4.1	0.00	17.4	58
12/07/2022 07:50	3.1	92	10	4.4	0.00	18.2	56
12/07/2022 08:00	3.2	95	12	4.5	0.00	18.8	54



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/07/2022 08:10	3.5	102	13	5.3	0.00	19.2	51
12/07/2022 08:20	3.3	105	13	4.7	0.00	19.6	51
12/07/2022 08:30	3.7	96	13	5.4	0.00	19.9	49
12/07/2022 08:40	4.6	88	10	5.9	0.00	20.3	46
12/07/2022 08:50	4.4	87	9	6.4	0.00	20.8	44
12/07/2022 09:00	5.9	80	7	7.1	0.00	20.6	41
12/07/2022 09:10	5.5	83	8	6.7	0.00	20.6	43
12/07/2022 09:20	5.0	79	9	6.7	0.00	20.6	44
12/07/2022 09:30	4.9	80	8	6.2	0.00	20.7	45
12/07/2022 09:40	5.7	84	6	7.1	0.00	20.7	44
12/07/2022 09:50	5.5	83	5	6.9	0.00	20.8	44
12/07/2022 10:00	5.7	81	7	7.2	0.00	21.0	43
12/07/2022 10:10	5.8	85	8	7.5	0.00	21.4	41
12/07/2022 10:20	5.5	84	8	6.9	0.00	21.6	40
12/07/2022 10:30	5.9	83	7	7.3	0.00	21.9	40
12/07/2022 10:40	6.6	85	8	8.2	0.00	21.8	41
12/07/2022 10:50	6.7	87	7	8.1	0.00	21.9	41
12/07/2022 11:00	6.5	83	8	8.5	0.00	22.4	40
12/07/2022 11:10	7.0	87	8	8.7	0.00	22.3	39
12/07/2022 11:20	6.1	85	10	8.1	0.00	22.9	38
12/07/2022 11:30	6.5	81	8	8.3	0.00	22.8	39
12/07/2022 11:40	6.2	77	9	7.8	0.00	23.1	38
12/07/2022 11:50	7.0	70	9	8.5	0.00	22.8	38
12/07/2022 12:00	7.1	68	8	8.5	0.00	22.8	39
12/07/2022 12:10	7.2	71	7	8.6	0.00	22.9	40
12/07/2022 12:20	7.4	75	8	9.7	0.00	23.0	39
12/07/2022 12:30	6.7	79	9	9.0	0.00	23.5	38
12/07/2022 12:40	5.7	73	12	8.2	0.00	23.9	38
12/07/2022 12:50	5.9	75	11	7.7	0.00	23.8	39
12/07/2022 13:00	5.5	62	11	7.3	0.00	23.6	41
12/07/2022 13:10	5.1	74	12	7.0	0.00	24.0	39
12/07/2022 13:20	5.1	72	10	6.7	0.00	24.0	40
12/07/2022 13:30	5.4	79	12	6.6	0.00	23.7	41
12/07/2022 13:40	4.7	76	11	6.6	0.00	24.0	41
12/07/2022 13:50	5.1	76	11	6.6	0.00	23.9	40
12/07/2022 14:00	5.4	82	10	7.1	0.00	24.0	41
12/07/2022 14:10	5.9	82	9	7.8	0.00	23.8	40
12/07/2022 14:20	5.8	81	9	7.6	0.00	24.0	39
12/07/2022 14:30	5.7	79	8	7.2	0.00	23.9	40
12/07/2022 14:40	5.7	81	8	7.1	0.00	23.9	42
12/07/2022 14:50	5.7	81	8	7.7	0.00	23.8	44
12/07/2022 15:00	5.7	82	8	7.1	0.00	23.8	45
12/07/2022 15:10	4.7	72	12	6.3	0.00	24.1	45
12/07/2022 15:20	4.4	67	12	5.9	0.00	24.3	47
12/07/2022 15:30	5.8	52	8	7.4	0.00	23.8	48
12/07/2022 15:40	6.2	56	9	8.3	0.00	23.9	45
12/07/2022 15:50	5.7	55	9	7.4	0.00	24.0	44
12/07/2022 16:00	6.0	49	7	7.5	0.00	23.9	46





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/07/2022 16:10	5.8	48	8	7.2	0.00	23.6	48
12/07/2022 16:20	6.0	47	7	7.4	0.00	23.3	51
12/07/2022 16:30	5.9	49	7	7.2	0.00	23.3	51
12/07/2022 16:40	5.6	49	8	7.1	0.00	23.3	51
12/07/2022 16:50	5.3	51	7	6.9	0.00	23.2	50
12/07/2022 17:00	5.4	52	7	6.9	0.00	23.0	51
12/07/2022 17:10	5.0	52	8	6.4	0.00	22.9	50
12/07/2022 17:20	4.4	53	8	5.8	0.00	22.7	51
12/07/2022 17:30	4.0	52	7	5.2	0.00	22.2	53
12/07/2022 17:40	3.3	51	5	4.4	0.00	21.8	55
12/07/2022 17:50	3.1	53	6	3.8	0.00	21.4	56
12/07/2022 18:00	2.8	51	4	3.4	0.00	21.0	58
12/07/2022 18:10	2.5	52	4	3.1	0.00	20.6	59
12/07/2022 18:20	2.4	51	1	3.0	0.00	20.1	61
12/07/2022 18:30	2.3	47	2	2.7	0.00	19.9	56
12/07/2022 18:40	2.2	50	1	2.9	0.00	20.0	53
12/07/2022 18:50	1.6	52	0	2.1	0.00	19.9	55
12/07/2022 19:00	0.7	52	0	1.5	0.00	19.9	57
12/07/2022 19:10	0.0	52	0	0.0	0.00	19.8	62
12/07/2022 19:20	0.0	59	1	0.0	0.00	19.7	64
12/07/2022 19:30	0.0	52	1	0.5	0.00	20.1	63
12/07/2022 19:40	0.0	22	0	0.0	0.00	19.5	63
12/07/2022 19:50	0.0	25	0	0.0	0.00	19.2	66
12/07/2022 20:00	0.0	42	0	0.0	0.00	20.0	69
12/07/2022 20:10	0.0	60	0	0.0	0.00	19.9	70
12/07/2022 20:20	0.0	60	0	0.0	0.00	19.4	71
12/07/2022 20:30	0.0	58	0	0.0	0.00	19.3	73
12/07/2022 20:40	0.0	60	0	0.0	0.00	18.9	73
12/07/2022 20:50	0.0	48	0	0.0	0.00	18.7	73
12/07/2022 21:00	0.0	41	1	0.0	0.00	18.3	74
12/07/2022 21:10	0.0	27	1	0.0	0.00	18.2	75
12/07/2022 21:20	0.4	38	1	1.1	0.00	18.3	76
12/07/2022 21:30	1.0	49	3	1.8	0.00	18.6	77
12/07/2022 21:40	1.6	45	4	2.6	0.00	18.3	77
12/07/2022 21:50	0.0	47	4	0.0	0.00	18.2	78
12/07/2022 22:00	0.0	38	2	0.0	0.00	18.1	78
12/07/2022 22:10	0.0	87	1	0.0	0.00	18.0	78
12/07/2022 22:20	0.0	140	0	0.0	0.00	18.1	78
12/07/2022 22:30	0.0	138	3	0.0	0.00	18.3	77
12/07/2022 22:40	0.0	62	0	0.0	0.00	18.0	77
12/07/2022 22:50	0.3	46	17	1.9	0.00	17.7	78
12/07/2022 23:00	0.4	162	21	1.0	0.00	17.5	78
12/07/2022 23:10	0.9	40	8	2.2	0.00	17.3	78
12/07/2022 23:20	2.3	47	4	2.9	0.00	18.0	77
12/07/2022 23:30	1.7	42	5	3.0	0.00	17.6	76
12/07/2022 23:40	1.1	43	7	2.3	0.00	17.3	77
12/07/2022 23:50	2.0	49	6	2.8	0.00	17.3	77
13/07/2022 00:00	1.3	46	8	2.4	0.00	17.3	77



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/07/2022 00:10	0.0	18	2	0.0	0.00	17.3	77
13/07/2022 00:20	0.0	22	0	0.0	0.00	17.4	77
13/07/2022 00:30	0.0	19	1	0.0	0.00	17.4	77
13/07/2022 00:40	0.0	16	0	0.0	0.00	17.4	76
13/07/2022 00:50	0.1	36	7	0.9	0.00	17.3	76
13/07/2022 01:00	0.0	344	7	0.0	0.00	17.4	76
13/07/2022 01:10	0.0	46	10	0.5	0.00	17.5	76
13/07/2022 01:20	0.0	203	4	0.1	0.00	17.5	75
13/07/2022 01:30	0.0	177	7	0.1	0.00	17.6	75
13/07/2022 01:40	0.2	199	13	2.3	0.00	17.4	75
13/07/2022 01:50	1.2	37	5	2.3	0.00	16.9	75
13/07/2022 02:00	2.3	42	6	2.9	0.00	17.2	76
13/07/2022 02:10	0.8	36	5	1.3	0.00	17.1	74
13/07/2022 02:20	2.3	53	5	3.3	0.00	17.2	75
13/07/2022 02:30	1.1	44	9	2.4	0.00	17.5	73
13/07/2022 02:40	0.0	80	1	0.0	0.00	17.0	75
13/07/2022 02:50	0.3	75	8	1.1	0.00	17.0	76
13/07/2022 03:00	2.1	55	3	2.7	0.00	17.0	76
13/07/2022 03:10	1.9	55	6	2.7	0.00	17.3	76
13/07/2022 03:20	1.3	54	9	2.7	0.00	17.1	76
13/07/2022 03:30	0.3	69	9	1.6	0.00	16.7	77
13/07/2022 03:40	0.5	72	6	1.6	0.00	16.5	76
13/07/2022 03:50	0.3	82	10	1.8	0.00	16.4	76
13/07/2022 04:00	0.0	132	6	0.5	0.00	16.6	76
13/07/2022 04:10	0.1	55	7	1.0	0.00	16.5	76
13/07/2022 04:20	0.1	93	2	1.5	0.00	16.2	76
13/07/2022 04:30	1.2	74	21	2.5	0.00	15.9	76
13/07/2022 04:40	0.2	74	7	0.7	0.00	15.6	77
13/07/2022 04:50	0.3	75	11	1.7	0.00	15.7	77
13/07/2022 05:00	0.8	86	20	2.6	0.00	15.8	77
13/07/2022 05:10	1.1	100	23	2.4	0.00	15.8	76
13/07/2022 05:20	1.5	97	20	2.6	0.00	15.7	75
13/07/2022 05:30	1.5	84	17	2.4	0.00	15.6	74
13/07/2022 05:40	0.7	71	10	2.2	0.00	15.5	73
13/07/2022 05:50	1.6	77	16	2.5	0.00	15.5	73
13/07/2022 06:00	1.0	82	12	2.1	0.00	15.7	72
13/07/2022 06:10	0.8	81	17	2.5	0.00	15.7	71
13/07/2022 06:20	0.7	93	17	2.1	0.00	15.6	70
13/07/2022 06:30	0.3	76	11	1.9	0.00	15.6	69
13/07/2022 06:40	0.0	48	2	0.0	0.00	14.9	71
13/07/2022 06:50	0.1	92	7	0.8	0.00	15.2	73
13/07/2022 07:00	0.1	94	6	0.8	0.00	16.1	70
13/07/2022 07:10	0.1	111	6	0.5	0.00	16.5	67
13/07/2022 07:20	0.2	127	4	1.8	0.00	17.0	65
13/07/2022 07:30	0.0	144	3	0.0	0.00	17.5	64
13/07/2022 07:40	0.0	161	3	0.0	0.00	18.0	63
13/07/2022 07:50	1.3	135	9	2.5	0.00	18.4	61
13/07/2022 08:00	2.3	129	12	3.4	0.00	18.7	56



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/07/2022 08:10	2.1	118	12	3.3	0.00	18.7	55
13/07/2022 08:20	1.6	123	14	3.1	0.00	18.9	57
13/07/2022 08:30	1.4	131	11	2.6	0.00	19.0	56
13/07/2022 08:40	1.5	106	15	2.8	0.00	19.6	55
13/07/2022 08:50	2.2	85	13	3.2	0.00	19.9	51
13/07/2022 09:00	3.0	88	14	4.4	0.00	20.2	49
13/07/2022 09:10	3.1	99	15	4.6	0.00	20.8	47
13/07/2022 09:20	3.2	108	14	5.2	0.00	21.3	46
13/07/2022 09:30	3.7	110	12	5.6	0.00	21.5	46
13/07/2022 09:40	4.0	98	14	6.2	0.00	22.0	42
13/07/2022 09:50	5.0	91	11	7.2	0.00	22.3	40
13/07/2022 10:00	6.4	85	10	8.4	0.00	22.0	38
13/07/2022 10:10	4.6	86	10	6.6	0.00	22.1	41
13/07/2022 10:20	4.7	95	13	6.5	0.00	22.3	41
13/07/2022 10:30	5.5	88	11	7.8	0.00	22.3	42
13/07/2022 10:40	6.0	90	11	8.4	0.00	22.4	42
13/07/2022 10:50	6.9	87	9	9.1	0.00	22.5	40
13/07/2022 11:00	6.4	87	10	8.6	0.00	22.8	40
13/07/2022 11:10	6.4	86	9	8.7	0.00	22.5	45
13/07/2022 11:20	6.7	85	10	9.2	0.00	22.9	44
13/07/2022 11:30	6.5	84	11	8.2	0.00	22.8	45
13/07/2022 11:40	6.4	87	8	8.3	0.00	22.9	49
13/07/2022 11:50	6.5	85	10	9.3	0.00	23.0	47
13/07/2022 12:00	6.8	87	9	9.2	0.00	23.1	44
13/07/2022 12:10	6.5	86	10	8.5	0.00	23.3	44
13/07/2022 12:20	6.6	82	10	9.2	0.00	23.3	44
13/07/2022 12:30	7.3	84	11	10.3	0.00	23.3	42
13/07/2022 12:40	7.1	80	10	9.6	0.00	23.3	41
13/07/2022 12:50	6.5	80	11	8.6	0.00	23.6	41
13/07/2022 13:00	6.6	81	10	8.3	0.00	23.7	41
13/07/2022 13:10	6.6	71	8	9.0	0.00	23.7	41
13/07/2022 13:20	6.6	71	10	9.1	0.00	23.8	40
13/07/2022 13:30	6.3	73	10	9.0	0.00	24.0	40
13/07/2022 13:40	7.2	69	9	9.2	0.00	23.6	40
13/07/2022 13:50	6.7	71	10	8.9	0.00	23.7	41
13/07/2022 14:00	7.6	70	7	9.2	0.00	23.4	44
13/07/2022 14:10	7.6	77	7	9.8	0.00	23.4	46
13/07/2022 14:20	6.6	77	10	9.2	0.00	23.8	46
13/07/2022 14:30	6.2	61	11	9.0	0.00	24.1	45
13/07/2022 14:40	7.3	57	9	9.7	0.00	23.8	45
13/07/2022 14:50	8.3	58	8	10.5	0.00	23.5	44
13/07/2022 15:00	7.3	59	11	9.7	0.00	23.7	44
13/07/2022 15:10	7.8	53	8	10.3	0.00	23.7	44
13/07/2022 15:20	7.0	57	8	9.4	0.00	23.6	46
13/07/2022 15:30	6.8	51	9	9.1	0.00	23.8	47
13/07/2022 15:40	7.8	46	8	10.1	0.00	23.5	47
13/07/2022 15:50	7.7	52	7	9.4	0.00	23.3	48
13/07/2022 16:00	6.8	51	9	9.5	0.00	23.3	48



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/07/2022 16:10	7.0	50	9	9.3	0.00	23.3	48
13/07/2022 16:20	7.2	52	8	9.3	0.00	23.2	49
13/07/2022 16:30	6.9	55	8	9.2	0.00	23.2	49
13/07/2022 16:40	6.9	54	8	8.8	0.00	23.1	49
13/07/2022 16:50	5.8	53	9	7.9	0.00	23.0	51
13/07/2022 17:00	5.9	55	7	7.5	0.00	23.0	52
13/07/2022 17:10	5.1	55	9	6.8	0.00	22.9	52
13/07/2022 17:20	4.7	55	9	6.6	0.00	22.7	53
13/07/2022 17:30	4.5	59	8	6.3	0.00	22.3	55
13/07/2022 17:40	4.3	57	8	5.4	0.00	22.0	56
13/07/2022 17:50	3.7	58	7	4.8	0.00	21.7	58
13/07/2022 18:00	3.4	61	7	4.3	0.00	21.4	60
13/07/2022 18:10	3.2	59	7	3.9	0.00	21.0	63
13/07/2022 18:20	2.9	59	5	3.8	0.00	20.8	64
13/07/2022 18:30	2.8	58	4	3.4	0.00	20.4	67
13/07/2022 18:40	2.9	57	3	3.3	0.00	20.0	69
13/07/2022 18:50	2.8	54	2	3.3	0.00	19.7	71
13/07/2022 19:00	2.7	55	2	3.1	0.00	19.6	72
13/07/2022 19:10	2.2	59	1	2.7	0.00	19.5	72
13/07/2022 19:20	2.3	64	1	2.6	0.00	19.5	74
13/07/2022 19:30	2.2	68	2	2.6	0.00	19.4	74
13/07/2022 19:40	1.0	88	4	2.0	0.00	19.3	75
13/07/2022 19:50	0.8	70	10	2.1	0.00	19.2	75
13/07/2022 20:00	1.3	56	13	2.1	0.00	19.5	77
13/07/2022 20:10	0.6	56	8	1.4	0.00	19.7	78
13/07/2022 20:20	0.2	58	1	0.7	0.00	19.8	78
13/07/2022 20:30	1.2	60	7	1.8	0.00	19.6	79
13/07/2022 20:40	1.8	44	1	2.5	0.00	19.6	80
13/07/2022 20:50	1.8	54	6	2.6	0.00	19.6	81
13/07/2022 21:00	1.5	54	1	2.0	0.00	19.5	82
13/07/2022 21:10	2.0	58	2	2.9	0.00	19.3	83
13/07/2022 21:20	1.3	60	1	2.1	0.00	18.9	83
13/07/2022 21:30	0.0	59	0	0.9	0.00	18.4	84
13/07/2022 21:40	0.0	59	0	0.0	0.00	18.3	84
13/07/2022 21:50	0.0	60	0	0.0	0.00	18.0	84
13/07/2022 22:00	0.0	59	0	0.0	0.00	18.0	85
13/07/2022 22:10	0.0	72	1	0.0	0.00	18.2	86
13/07/2022 22:20	0.0	76	0	0.0	0.00	19.1	86
13/07/2022 22:30	0.0	53	2	0.1	0.00	19.3	86
13/07/2022 22:40	0.0	37	1	0.0	0.00	19.4	86
13/07/2022 22:50	0.0	20	1	0.0	0.00	19.0	86
13/07/2022 23:00	0.0	11	4	0.0	0.00	19.0	87
13/07/2022 23:10	0.0	16	0	0.0	0.00	19.0	86
13/07/2022 23:20	0.0	16	0	0.0	0.00	18.5	86
13/07/2022 23:30	0.0	16	0	0.0	0.00	18.6	87
13/07/2022 23:40	0.0	16	0	0.0	0.00	18.6	87
13/07/2022 23:50	0.0	16	0	0.0	0.00	18.3	87
14/07/2022 00:00	0.0	34	0	0.0	0.00	18.3	87



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/07/2022 00:10	0.2	107	8	1.5	0.00	17.7	87
14/07/2022 00:20	1.0	150	9	2.4	0.00	17.7	85
14/07/2022 00:30	0.1	159	5	1.1	0.00	17.8	82
14/07/2022 00:40	2.1	169	8	2.9	0.00	18.4	78
14/07/2022 00:50	2.5	168	7	3.4	0.00	18.6	74
14/07/2022 01:00	0.9	161	8	2.8	0.00	18.4	74
14/07/2022 01:10	0.5	145	6	1.7	0.00	18.2	75
14/07/2022 01:20	0.0	111	3	0.4	0.00	18.2	75
14/07/2022 01:30	0.0	153	3	0.1	0.00	18.0	75
14/07/2022 01:40	0.8	182	3	2.4	0.00	17.9	74
14/07/2022 01:50	0.0	186	0	0.1	0.00	17.8	74
14/07/2022 02:00	0.0	47	0	0.0	0.00	18.0	74
14/07/2022 02:10	0.0	53	0	0.0	0.00	17.9	74
14/07/2022 02:20	0.5	64	13	1.6	0.00	17.4	75
14/07/2022 02:30	0.0	198	9	0.1	0.00	17.1	75
14/07/2022 02:40	0.8	80	15	2.1	0.00	16.8	76
14/07/2022 02:50	0.0	31	3	0.0	0.00	16.8	76
14/07/2022 03:00	0.0	107	7	0.0	0.00	16.8	77
14/07/2022 03:10	0.0	105	1	0.0	0.00	17.1	76
14/07/2022 03:20	0.0	48	0	0.0	0.00	16.9	76
14/07/2022 03:30	0.4	39	2	1.5	0.00	16.6	77
14/07/2022 03:40	2.5	53	6	3.2	0.00	17.3	77
14/07/2022 03:50	2.2	49	5	2.8	0.00	17.0	76
14/07/2022 04:00	1.8	49	7	2.7	0.00	16.9	77
14/07/2022 04:10	2.0	51	6	2.7	0.00	17.0	77
14/07/2022 04:20	2.3	59	6	3.1	0.00	17.2	77
14/07/2022 04:30	2.2	47	8	2.9	0.00	17.0	78
14/07/2022 04:40	2.7	43	8	3.3	0.00	17.2	78
14/07/2022 04:50	3.0	40	8	3.8	0.00	16.9	78
14/07/2022 05:00	3.1	38	9	3.8	0.00	17.0	78
14/07/2022 05:10	2.3	48	10	3.1	0.00	16.9	77
14/07/2022 05:20	1.4	70	10	2.6	0.00	16.6	78
14/07/2022 05:30	0.0	68	10	0.0	0.00	16.4	78
14/07/2022 05:40	0.0	125	1	0.0	0.00	16.2	78
14/07/2022 05:50	0.0	124	0	0.0	0.00	16.2	79
14/07/2022 06:00	0.0	117	2	0.0	0.00	16.2	79
14/07/2022 06:10	0.9	91	10	2.3	0.00	16.3	79
14/07/2022 06:20	2.8	114	10	3.9	0.00	16.6	79
14/07/2022 06:30	2.6	122	6	3.1	0.00	16.9	78
14/07/2022 06:40	1.8	85	12	2.7	0.00	16.4	78
14/07/2022 06:50	1.4	58	15	2.6	0.00	15.8	79
14/07/2022 07:00	1.2	77	13	3.6	0.00	15.8	79
14/07/2022 07:10	2.5	103	12	3.8	0.00	16.3	78
14/07/2022 07:20	2.7	125	12	4.3	0.00	17.2	76
14/07/2022 07:30	1.0	109	21	3.0	0.00	17.8	74
14/07/2022 07:40	2.4	101	35	4.5	0.00	17.9	72
14/07/2022 07:50	1.8	87	27	3.5	0.00	18.1	70
14/07/2022 08:00	0.8	90	8	1.9	0.00	18.2	70



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/07/2022 08:10	0.0	99	3	0.0	0.00	18.7	70
14/07/2022 08:20	1.6	146	28	3.3	0.00	18.6	67
14/07/2022 08:30	1.4	132	32	3.1	0.00	18.8	61
14/07/2022 08:40	0.4	102	18	2.1	0.00	19.2	61
14/07/2022 08:50	2.1	86	19	3.4	0.00	19.3	58
14/07/2022 09:00	2.2	109	17	3.2	0.00	19.8	53
14/07/2022 09:10	2.2	118	17	3.2	0.00	20.0	51
14/07/2022 09:20	2.0	116	19	3.4	0.00	20.1	52
14/07/2022 09:30	2.5	114	14	3.8	0.00	20.0	50
14/07/2022 09:40	2.5	120	15	3.3	0.00	20.2	52
14/07/2022 09:50	2.1	112	16	3.3	0.00	20.9	52
14/07/2022 10:00	3.4	100	18	5.3	0.00	21.8	43
14/07/2022 10:10	4.0	74	13	5.3	0.00	22.0	41
14/07/2022 10:20	4.5	76	10	5.9	0.00	21.8	42
14/07/2022 10:30	3.7	74	12	5.5	0.00	22.0	43
14/07/2022 10:40	3.5	79	15	5.2	0.00	21.8	45
14/07/2022 10:50	3.1	73	16	4.9	0.00	21.7	46
14/07/2022 11:00	3.3	73	15	4.9	0.00	22.3	46
14/07/2022 11:10	3.7	78	15	5.0	0.00	22.4	46
14/07/2022 11:20	4.3	70	12	6.3	0.00	22.6	44
14/07/2022 11:30	4.5	68	12	6.6	0.00	22.3	46
14/07/2022 11:40	3.7	77	13	5.3	0.00	22.6	45
14/07/2022 11:50	4.0	64	15	5.7	0.00	22.6	46
14/07/2022 12:00	3.7	68	13	5.4	0.00	22.6	49
14/07/2022 12:10	3.5	66	17	5.3	0.00	22.8	50
14/07/2022 12:20	3.8	75	16	5.5	0.00	23.1	49
14/07/2022 12:30	4.2	69	11	6.3	0.00	22.8	50
14/07/2022 12:40	4.9	56	12	7.2	0.00	22.7	48
14/07/2022 12:50	4.9	58	14	6.3	0.00	22.9	49
14/07/2022 13:00	4.9	73	14	6.5	0.00	23.2	50
14/07/2022 13:10	5.5	76	9	7.6	0.00	22.5	52
14/07/2022 13:20	5.7	74	11	7.5	0.00	22.6	52
14/07/2022 13:30	5.7	75	9	7.0	0.00	22.6	51
14/07/2022 13:40	5.3	75	9	7.5	0.00	22.8	51
14/07/2022 13:50	6.3	78	8	7.6	0.00	22.9	51
14/07/2022 14:00	5.9	70	7	7.3	0.00	22.7	51
14/07/2022 14:10	5.2	70	9	7.2	0.00	22.9	53
14/07/2022 14:20	5.9	80	6	7.1	0.00	22.7	54
14/07/2022 14:30	5.5	83	6	6.8	0.00	22.7	55
14/07/2022 14:40	5.1	79	7	6.4	0.00	22.7	57
14/07/2022 14:50	5.5	84	7	6.7	0.00	22.7	57
14/07/2022 15:00	5.3	82	7	6.6	0.00	22.8	59
14/07/2022 15:10	4.8	80	7	6.0	0.00	22.8	60
14/07/2022 15:20	5.1	82	5	6.2	0.00	22.8	61
14/07/2022 15:30	4.9	83	8	6.4	0.00	22.9	61
14/07/2022 15:40	4.7	82	6	5.8	0.00	22.6	63
14/07/2022 15:50	4.2	79	10	5.4	0.00	22.5	64
14/07/2022 16:00	4.3	79	6	5.4	0.00	22.5	64



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/07/2022 16:10	4.0	73	9	5.0	0.00	22.4	65
14/07/2022 16:20	3.5	70	10	4.6	0.00	22.7	65
14/07/2022 16:30	3.2	52	11	4.4	0.00	22.3	66
14/07/2022 16:40	3.4	48	8	4.5	0.00	22.1	67
14/07/2022 16:50	4.0	43	7	5.1	0.00	22.1	68
14/07/2022 17:00	3.7	43	7	4.6	0.00	22.0	68
14/07/2022 17:10	3.0	47	7	3.8	0.00	22.0	68
14/07/2022 17:20	2.3	44	7	3.0	0.00	22.0	69
14/07/2022 17:30	1.9	38	5	2.3	0.00	21.4	71
14/07/2022 17:40	1.8	40	6	2.7	0.00	20.8	73
14/07/2022 17:50	0.3	65	1	0.9	0.00	20.7	74
14/07/2022 18:00	1.4	52	4	2.0	0.00	20.6	74
14/07/2022 18:10	1.7	42	4	2.5	0.00	20.1	75
14/07/2022 18:20	2.3	38	5	3.0	0.00	19.8	76
14/07/2022 18:30	2.3	39	10	3.0	0.00	19.9	76
14/07/2022 18:40	1.4	52	4	1.8	0.00	19.9	76
14/07/2022 18:50	0.3	49	9	0.9	0.00	19.4	77
14/07/2022 19:00	0.0	78	1	0.1	0.00	19.6	78
14/07/2022 19:10	0.0	88	0	0.0	0.00	19.3	78
14/07/2022 19:20	0.0	92	0	0.0	0.00	19.4	79
14/07/2022 19:30	0.0	95	0	0.0	0.00	18.9	79
14/07/2022 19:40	0.0	95	0	0.1	0.00	18.9	80
14/07/2022 19:50	0.0	85	0	0.0	0.00	19.0	80
14/07/2022 20:00	0.0	74	0	0.0	0.00	18.9	81
14/07/2022 20:10	0.0	65	0	0.1	0.00	18.4	82
14/07/2022 20:20	0.0	54	0	0.1	0.00	18.5	84
14/07/2022 20:30	0.0	56	0	0.1	0.00	18.1	84
14/07/2022 20:40	0.0	58	0	0.0	0.00	17.7	85
14/07/2022 20:50	0.0	58	0	0.2	0.00	17.6	85
14/07/2022 21:00	0.0	58	0	0.1	0.00	17.7	86
14/07/2022 21:10	0.0	58	0	0.2	0.00	17.3	86
14/07/2022 21:20	0.0	62	0	0.1	0.00	17.6	87
14/07/2022 21:30	0.0	58	1	0.2	0.00	17.3	88
14/07/2022 21:40	0.6	59	1	1.0	0.00	17.3	88
14/07/2022 21:50	1.9	56	2	2.6	0.00	16.8	89
14/07/2022 22:00	0.1	58	1	0.9	0.00	17.0	90
14/07/2022 22:10	0.8	66	8	2.0	0.00	17.8	90
14/07/2022 22:20	1.2	47	7	2.0	0.00	18.3	91
14/07/2022 22:30	0.3	49	0	1.0	0.00	17.8	91
14/07/2022 22:40	0.0	49	0	0.1	0.00	18.0	92
14/07/2022 22:50	0.0	49	0	0.0	0.00	18.4	92
14/07/2022 23:00	0.0	49	0	0.1	0.00	17.7	92
14/07/2022 23:10	0.0	49	0	0.1	0.00	17.3	93
14/07/2022 23:20	0.0	48	0	0.2	0.00	18.1	93
14/07/2022 23:30	0.0	49	0	0.1	0.00	17.7	93
14/07/2022 23:40	0.0	49	0	0.2	0.00	16.8	93
14/07/2022 23:50	0.0	49	0	0.0	0.00	17.0	94
15/07/2022 00:00	0.0	50	0	0.0	0.00	17.3	94



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/07/2022 00:10	0.0	49	0	0.1	0.00	17.3	94
15/07/2022 00:20	0.0	49	0	0.0	0.00	16.9	94
15/07/2022 00:30	0.0	38	1	0.1	0.00	16.6	95
15/07/2022 00:40	1.2	46	2	1.5	0.00	17.3	95
15/07/2022 00:50	1.9	56	2	2.3	0.00	17.8	95
15/07/2022 01:00	2.0	57	1	2.8	0.00	17.6	96
15/07/2022 01:10	1.5	53	6	2.5	0.00	17.3	96
15/07/2022 01:20	0.6	43	3	1.6	0.00	17.0	96
15/07/2022 01:30	0.0	33	0	0.2	0.00	16.9	96
15/07/2022 01:40	0.0	50	6	0.8	0.00	17.3	97
15/07/2022 01:50	0.0	79	14	0.2	0.00	16.9	97
15/07/2022 02:00	0.0	147	2	0.2	0.00	17.1	97
15/07/2022 02:10	0.2	139	12	1.4	0.00	17.1	97
15/07/2022 02:20	1.4	167	8	2.8	0.00	16.8	97
15/07/2022 02:30	0.0	187	1	0.2	0.00	16.5	97
15/07/2022 02:40	0.8	173	5	1.4	0.00	16.5	97
15/07/2022 02:50	2.4	171	6	3.1	0.00	16.9	97
15/07/2022 03:00	2.7	172	4	3.3	0.00	17.1	96
15/07/2022 03:10	1.9	174	7	2.5	0.00	17.2	96
15/07/2022 03:20	0.4	147	9	1.0	0.00	17.1	95
15/07/2022 03:30	0.0	93	0	0.2	0.10	16.6	95
15/07/2022 03:40	0.0	93	0	0.2	0.00	16.3	95
15/07/2022 03:50	0.0	93	0	0.3	0.00	16.7	95
15/07/2022 04:00	1.5	48	11	2.3	0.00	16.8	95
15/07/2022 04:10	1.7	39	8	2.9	0.00	16.8	95
15/07/2022 04:20	1.2	32	7	2.4	0.00	16.5	94
15/07/2022 04:30	2.1	43	10	2.9	0.00	16.7	95
15/07/2022 04:40	1.9	43	7	2.6	0.00	16.6	94
15/07/2022 04:50	1.7	52	9	2.9	0.00	16.8	94
15/07/2022 05:00	0.9	30	9	1.7	0.00	16.7	94
15/07/2022 05:10	0.0	167	6	0.3	0.00	16.5	94
15/07/2022 05:20	2.3	40	7	3.1	0.00	16.4	94
15/07/2022 05:30	2.1	49	6	3.2	0.00	16.3	94
15/07/2022 05:40	2.6	55	6	3.1	0.00	16.4	94
15/07/2022 05:50	2.5	47	3	2.9	0.00	16.5	94
15/07/2022 06:00	2.0	47	1	2.6	0.00	16.0	94
15/07/2022 06:10	2.3	48	2	3.0	0.00	15.6	94
15/07/2022 06:20	1.6	36	4	2.7	0.00	14.8	94
15/07/2022 06:30	1.2	38	2	2.5	0.00	14.9	95
15/07/2022 06:40	1.5	38	1	2.5	0.00	14.8	95
15/07/2022 06:50	2.4	41	3	2.7	0.00	15.4	95
15/07/2022 07:00	2.5	43	3	3.0	0.00	15.0	95
15/07/2022 07:10	1.8	51	5	2.7	0.00	14.5	95
15/07/2022 07:20	0.6	46	1	1.6	0.00	14.6	95
15/07/2022 07:30	1.5	57	4	2.9	0.00	15.1	95
15/07/2022 07:40	2.1	67	6	2.9	0.00	15.4	94
15/07/2022 07:50	2.3	69	6	2.9	0.00	16.0	89
15/07/2022 08:00	1.3	82	13	2.9	0.00	17.0	82





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/07/2022 08:10	0.6	83	14	2.6	0.00	17.6	77
15/07/2022 08:20	0.6	51	16	1.7	0.00	17.9	74
15/07/2022 08:30	0.7	92	14	2.8	0.00	17.8	70
15/07/2022 08:40	1.2	90	20	2.6	0.00	19.0	60
15/07/2022 08:50	1.6	90	21	2.8	0.00	19.8	48
15/07/2022 09:00	2.0	95	14	2.9	0.00	20.1	45
15/07/2022 09:10	2.2	87	13	2.9	0.00	20.6	44
15/07/2022 09:20	1.9	93	14	2.9	0.00	20.8	44
15/07/2022 09:30	2.4	91	14	3.0	0.00	20.7	45
15/07/2022 09:40	2.1	86	11	2.9	0.00	21.0	44
15/07/2022 09:50	1.9	99	16	2.7	0.00	21.4	43
15/07/2022 10:00	1.9	100	15	2.9	0.00	21.5	42
15/07/2022 10:10	2.0	98	18	2.9	0.00	21.9	39
15/07/2022 10:20	2.6	105	13	3.4	0.00	21.9	36
15/07/2022 10:30	2.2	108	12	3.1	0.00	21.9	34
15/07/2022 10:40	2.1	106	15	3.3	0.00	22.8	34
15/07/2022 10:50	2.1	113	14	3.2	0.00	23.0	33
15/07/2022 11:00	2.1	121	13	2.8	0.00	23.3	33
15/07/2022 11:10	2.0	125	13	2.9	0.00	23.5	33
15/07/2022 11:20	1.8	123	13	3.0	0.00	24.0	33
15/07/2022 11:30	2.6	128	12	3.6	0.00	24.0	32
15/07/2022 11:40	2.2	109	16	3.3	0.00	25.1	27
15/07/2022 11:50	2.1	115	20	3.0	0.00	25.7	25
15/07/2022 12:00	1.5	100	26	2.6	0.00	26.3	25
15/07/2022 12:10	2.6	75	16	3.5	0.00	25.8	26
15/07/2022 12:20	2.8	70	10	3.9	0.00	25.4	27
15/07/2022 12:30	2.7	85	11	3.8	0.00	25.9	26
15/07/2022 12:40	2.9	82	16	3.9	0.00	26.0	26
15/07/2022 12:50	2.6	97	21	3.6	0.00	26.0	26
15/07/2022 13:00	3.1	69	11	4.2	0.00	25.9	27
15/07/2022 13:10	3.3	72	10	4.1	0.00	25.6	27
15/07/2022 13:20	3.4	47	18	4.7	0.00	25.6	30
15/07/2022 13:30	3.9	55	11	4.9	0.00	25.3	31
15/07/2022 13:40	4.5	51	8	5.6	0.00	25.1	33
15/07/2022 13:50	4.6	57	9	5.6	0.00	25.2	33
15/07/2022 14:00	4.7	55	12	5.9	0.00	24.9	35
15/07/2022 14:10	4.9	63	10	6.4	0.00	25.0	34
15/07/2022 14:20	4.7	63	10	6.2	0.00	25.1	32
15/07/2022 14:30	4.6	53	11	6.1	0.00	25.3	32
15/07/2022 14:40	5.2	57	8	6.2	0.00	24.9	31
15/07/2022 14:50	5.1	52	8	6.3	0.00	25.1	28
15/07/2022 15:00	5.1	52	8	6.2	0.00	25.0	27
15/07/2022 15:10	5.0	52	7	5.9	0.00	25.2	25
15/07/2022 15:20	4.5	51	8	5.7	0.00	25.3	24
15/07/2022 15:30	4.1	56	10	5.4	0.00	25.5	24
15/07/2022 15:40	4.1	53	9	5.4	0.00	25.6	25
15/07/2022 15:50	3.9	56	10	4.9	0.00	25.4	25
15/07/2022 16:00	3.5	55	8	4.5	0.00	25.6	26



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/07/2022 16:10	3.6	58	8	4.4	0.00	25.3	27
15/07/2022 16:20	3.3	55	9	4.1	0.00	25.7	25
15/07/2022 16:30	3.0	52	9	4.0	0.00	25.8	24
15/07/2022 16:40	3.4	53	8	4.7	0.00	25.8	23
15/07/2022 16:50	3.6	52	7	4.5	0.00	25.6	23
15/07/2022 17:00	3.1	54	9	4.2	0.00	25.3	27
15/07/2022 17:10	2.6	53	8	3.6	0.00	25.1	27
15/07/2022 17:20	2.1	45	8	2.8	0.00	24.2	36
15/07/2022 17:30	1.8	39	6	2.4	0.00	23.0	42
15/07/2022 17:40	1.4	38	3	1.9	0.00	22.7	41
15/07/2022 17:50	0.3	197	3	1.4	0.00	22.4	39
15/07/2022 18:00	0.4	13	4	1.3	0.00	22.2	41
15/07/2022 18:10	2.3	180	10	2.9	0.00	22.3	38
15/07/2022 18:20	2.2	177	7	2.8	0.00	22.2	39
15/07/2022 18:30	0.4	23	4	0.9	0.00	21.7	42
15/07/2022 18:40	0.1	45	8	1.0	0.00	21.1	45
15/07/2022 18:50	0.0	61	7	0.0	0.00	21.1	46
15/07/2022 19:00	0.0	348	3	0.0	0.00	20.9	47
15/07/2022 19:10	0.0	69	6	0.0	0.00	20.9	48
15/07/2022 19:20	0.0	91	2	0.0	0.00	20.9	48
15/07/2022 19:30	0.0	193	0	0.1	0.00	20.4	49
15/07/2022 19:40	0.2	264	1	0.7	0.00	21.0	49
15/07/2022 19:50	0.0	314	3	0.5	0.00	20.8	51
15/07/2022 20:00	0.0	263	0	0.0	0.00	20.5	49
15/07/2022 20:10	0.0	245	2	0.0	0.00	20.8	54
15/07/2022 20:20	0.0	258	3	0.0	0.00	20.8	57
15/07/2022 20:30	0.0	259	1	0.0	0.00	20.4	58
15/07/2022 20:40	0.6	259	1	1.1	0.00	19.6	59
15/07/2022 20:50	2.3	265	3	2.7	0.00	19.7	61
15/07/2022 21:00	2.0	275	5	2.3	0.00	20.4	61
15/07/2022 21:10	2.2	272	6	2.8	0.00	20.5	63
15/07/2022 21:20	1.6	253	8	2.4	0.00	19.5	66
15/07/2022 21:30	0.6	246	3	1.1	0.00	18.9	67
15/07/2022 21:40	0.0	251	0	0.0	0.00	18.3	68
15/07/2022 21:50	0.0	252	0	0.0	0.00	18.7	70
15/07/2022 22:00	0.0	251	0	0.0	0.00	18.8	70
15/07/2022 22:10	0.0	265	1	0.0	0.00	18.7	71
15/07/2022 22:20	0.0	269	0	0.0	0.00	18.8	72
15/07/2022 22:30	0.0	261	1	0.0	0.00	18.5	73
15/07/2022 22:40	0.0	264	1	0.0	0.00	17.8	73
15/07/2022 22:50	0.0	253	1	0.0	0.00	17.4	74
15/07/2022 23:00	0.0	253	0	0.0	0.00	17.7	75
15/07/2022 23:10	0.0	253	1	0.0	0.00	17.9	75
15/07/2022 23:20	0.0	244	1	0.0	0.00	18.1	75
15/07/2022 23:30	0.0	217	0	0.0	0.00	18.5	74
15/07/2022 23:40	0.0	218	0	0.0	0.00	18.7	74
15/07/2022 23:50	0.0	218	0	0.0	0.00	18.8	73
16/07/2022 00:00	0.0	218	0	0.0	0.00	18.9	72



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/07/2022 00:10	0.0	221	3	0.0	0.00	19.0	70
16/07/2022 00:20	0.0	278	2	0.0	0.00	19.2	67
16/07/2022 00:30	0.1	269	4	0.8	0.00	19.2	65
16/07/2022 00:40	0.3	265	5	0.6	0.00	19.3	63
16/07/2022 00:50	0.7	261	4	2.0	0.00	19.1	63
16/07/2022 01:00	1.1	272	8	2.5	0.00	19.1	62
16/07/2022 01:10	1.2	275	4	2.4	0.00	19.1	61
16/07/2022 01:20	0.0	277	2	0.6	0.00	18.7	61
16/07/2022 01:30	0.2	234	13	1.9	0.00	18.7	60
16/07/2022 01:40	0.0	102	0	0.3	0.00	18.3	60
16/07/2022 01:50	0.5	62	4	1.1	0.00	17.9	63
16/07/2022 02:00	0.5	40	1	1.5	0.00	17.7	63
16/07/2022 02:10	1.0	138	14	2.3	0.00	18.3	57
16/07/2022 02:20	0.2	70	14	1.6	0.00	18.1	56
16/07/2022 02:30	0.5	150	10	2.2	0.00	18.1	52
16/07/2022 02:40	0.0	142	7	0.6	0.00	18.0	50
16/07/2022 02:50	0.3	133	5	1.2	0.00	18.5	46
16/07/2022 03:00	1.2	160	12	2.6	0.00	19.0	43
16/07/2022 03:10	2.7	159	15	3.7	0.00	19.5	41
16/07/2022 03:20	2.3	173	10	3.1	0.00	19.5	41
16/07/2022 03:30	2.1	164	12	3.2	0.00	19.5	41
16/07/2022 03:40	1.3	146	13	2.5	0.00	19.3	41
16/07/2022 03:50	0.0	34	2	0.0	0.00	18.6	43
16/07/2022 04:00	0.0	27	0	0.0	0.00	18.9	42
16/07/2022 04:10	0.0	22	1	0.0	0.00	18.5	43
16/07/2022 04:20	0.5	32	5	2.0	0.00	18.3	43
16/07/2022 04:30	1.7	19	9	2.6	0.00	18.2	43
16/07/2022 04:40	0.6	24	6	1.8	0.00	18.5	42
16/07/2022 04:50	0.0	116	4	0.7	0.00	17.7	45
16/07/2022 05:00	0.9	147	18	2.5	0.00	18.5	41
16/07/2022 05:10	1.5	177	14	3.7	0.00	18.8	39
16/07/2022 05:20	1.6	196	20	3.5	0.00	19.2	37
16/07/2022 05:30	1.4	179	19	3.4	0.00	19.3	37
16/07/2022 05:40	1.1	189	24	2.6	0.00	19.2	37
16/07/2022 05:50	0.1	163	11	0.8	0.00	18.9	37
16/07/2022 06:00	0.3	60	14	2.1	0.00	19.0	37
16/07/2022 06:10	0.5	150	16	1.9	0.00	19.0	36
16/07/2022 06:20	1.0	124	40	2.5	0.00	18.9	37
16/07/2022 06:30	0.3	187	9	2.1	0.00	18.8	37
16/07/2022 06:40	1.0	189	21	2.7	0.00	18.7	36
16/07/2022 06:50	1.7	155	16	3.3	0.00	18.6	38
16/07/2022 07:00	1.4	147	7	2.6	0.00	18.5	38
16/07/2022 07:10	1.5	96	18	2.7	0.00	17.4	41
16/07/2022 07:20	1.7	107	15	3.3	0.00	17.6	41
16/07/2022 07:30	2.5	115	11	3.4	0.00	18.2	40
16/07/2022 07:40	1.7	90	22	3.5	0.00	18.2	41
16/07/2022 07:50	0.4	77	23	2.1	0.00	18.2	43
16/07/2022 08:00	0.5	74	9	1.5	0.00	18.2	44



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/07/2022 08:10	1.6	78	11	2.5	0.00	18.3	44
16/07/2022 08:20	2.0	101	15	2.9	0.00	18.6	44
16/07/2022 08:30	1.9	98	12	2.7	0.00	18.8	44
16/07/2022 08:40	2.4	97	15	3.2	0.00	18.9	46
16/07/2022 08:50	2.5	99	13	3.8	0.00	19.3	47
16/07/2022 09:00	2.6	110	15	3.7	0.00	19.6	47
16/07/2022 09:10	2.5	108	14	3.6	0.00	19.8	48
16/07/2022 09:20	2.7	105	15	4.3	0.00	19.9	45
16/07/2022 09:30	2.7	112	11	4.3	0.00	20.1	44
16/07/2022 09:40	2.5	112	14	3.5	0.00	20.5	42
16/07/2022 09:50	2.6	114	12	4.0	0.00	20.6	41
16/07/2022 10:00	3.1	116	7	4.0	0.00	20.8	39
16/07/2022 10:10	2.4	112	16	3.4	0.00	21.1	38
16/07/2022 10:20	2.3	97	17	3.5	0.00	22.0	36
16/07/2022 10:30	2.4	89	12	3.3	0.00	22.1	35
16/07/2022 10:40	2.2	90	14	3.4	0.00	22.6	35
16/07/2022 10:50	2.7	89	14	4.4	0.00	23.1	34
16/07/2022 11:00	3.7	78	11	5.0	0.00	23.2	32
16/07/2022 11:10	4.1	83	8	6.3	0.00	23.4	33
16/07/2022 11:20	4.1	83	12	6.1	0.00	24.2	31
16/07/2022 11:30	4.2	82	10	5.6	0.00	24.5	28
16/07/2022 11:40	4.2	83	11	5.8	0.00	24.8	27
16/07/2022 11:50	3.8	79	13	5.1	0.00	24.9	29
16/07/2022 12:00	3.9	88	16	5.8	0.00	25.2	28
16/07/2022 12:10	4.2	67	10	5.4	0.00	24.4	30
16/07/2022 12:20	5.1	67	9	7.0	0.00	24.2	29
16/07/2022 12:30	5.2	68	12	7.1	0.00	24.5	26
16/07/2022 12:40	5.2	74	11	6.9	0.00	24.5	26
16/07/2022 12:50	4.8	74	13	6.4	0.00	24.7	27
16/07/2022 13:00	4.8	77	13	7.0	0.00	24.8	27
16/07/2022 13:10	4.4	63	16	7.0	0.00	24.9	28
16/07/2022 13:20	4.9	69	13	7.2	0.00	25.4	26
16/07/2022 13:30	5.3	72	11	7.4	0.00	25.3	26
16/07/2022 13:40	5.4	70	11	7.3	0.00	25.5	25
16/07/2022 13:50	5.2	76	11	6.9	0.00	25.6	25
16/07/2022 14:00	4.9	72	13	6.6	0.00	25.7	26
16/07/2022 14:10	5.7	75	9	7.2	0.00	25.7	24
16/07/2022 14:20	6.0	77	9	7.7	0.00	25.8	23
16/07/2022 14:30	5.7	74	11	7.4	0.00	25.9	23
16/07/2022 14:40	5.9	74	8	7.6	0.00	25.7	23
16/07/2022 14:50	5.2	72	11	6.7	0.00	25.9	25
16/07/2022 15:00	4.8	65	11	6.2	0.00	25.7	27
16/07/2022 15:10	4.9	59	7	6.1	0.00	25.4	28
16/07/2022 15:20	4.8	55	9	6.2	0.00	25.5	27
16/07/2022 15:30	4.6	58	9	6.1	0.00	25.5	27
16/07/2022 15:40	4.3	48	10	5.4	0.00	25.4	31
16/07/2022 15:50	4.3	53	9	5.6	0.00	25.1	31
16/07/2022 16:00	4.6	59	9	6.1	0.00	25.2	30



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/07/2022 16:10	4.6	57	8	6.1	0.00	25.1	30
16/07/2022 16:20	3.9	53	9	4.9	0.00	25.0	31
16/07/2022 16:30	3.6	48	8	4.6	0.00	25.0	32
16/07/2022 16:40	3.7	45	8	4.9	0.00	24.6	34
16/07/2022 16:50	4.1	47	9	5.2	0.00	24.3	34
16/07/2022 17:00	4.3	44	7	5.3	0.00	24.0	34
16/07/2022 17:10	4.5	43	6	5.4	0.00	23.8	33
16/07/2022 17:20	3.5	41	6	4.5	0.00	23.6	35
16/07/2022 17:30	3.1	38	5	4.1	0.00	22.8	37
16/07/2022 17:40	3.7	39	5	4.3	0.00	22.4	34
16/07/2022 17:50	3.3	44	4	4.0	0.00	22.2	34
16/07/2022 18:00	3.0	45	5	3.6	0.00	21.8	36
16/07/2022 18:10	3.3	19	9	4.8	0.00	22.1	37
16/07/2022 18:20	3.7	17	8	4.7	0.00	22.8	40
16/07/2022 18:30	4.2	8	11	5.6	0.00	22.6	43
16/07/2022 18:40	4.2	7	7	5.1	0.00	22.4	47
16/07/2022 18:50	4.0	8	11	5.2	0.00	22.2	51
16/07/2022 19:00	4.1	6	8	5.1	0.00	22.1	53
16/07/2022 19:10	4.4	5	8	5.3	0.00	22.0	55
16/07/2022 19:20	4.2	6	8	5.0	0.00	21.9	57
16/07/2022 19:30	4.2	6	6	5.4	0.00	21.9	58
16/07/2022 19:40	3.3	7	8	4.3	0.00	21.7	59
16/07/2022 19:50	0.6	36	24	2.7	0.00	21.1	60
16/07/2022 20:00	0.2	79	3	1.0	0.00	20.3	63
16/07/2022 20:10	1.8	72	4	2.5	0.00	20.2	64
16/07/2022 20:20	2.0	69	4	2.4	0.00	20.3	64
16/07/2022 20:30	1.8	78	7	2.5	0.00	20.5	64
16/07/2022 20:40	0.9	82	5	1.8	0.00	20.6	64
16/07/2022 20:50	0.3	78	1	0.8	0.00	20.1	66
16/07/2022 21:00	1.1	72	4	1.9	0.00	19.8	67
16/07/2022 21:10	0.8	68	3	1.6	0.00	19.8	67
16/07/2022 21:20	0.0	31	0	0.0	0.00	19.9	68
16/07/2022 21:30	0.0	31	0	0.0	0.00	19.9	67
16/07/2022 21:40	0.0	32	0	0.0	0.00	19.9	68
16/07/2022 21:50	0.0	31	0	0.0	0.00	19.8	69
16/07/2022 22:00	0.0	31	0	0.0	0.00	19.5	70
16/07/2022 22:10	0.0	32	0	0.0	0.00	19.2	71
16/07/2022 22:20	0.0	31	0	0.0	0.00	19.3	71
16/07/2022 22:30	0.0	31	0	0.0	0.00	19.6	70
16/07/2022 22:40	0.0	31	0	0.0	0.00	19.7	69
16/07/2022 22:50	0.0	31	0	0.0	0.00	19.5	70
16/07/2022 23:00	0.0	31	0	0.0	0.00	19.0	70
16/07/2022 23:10	0.0	31	0	0.0	0.00	18.8	72
16/07/2022 23:20	0.0	31	0	0.0	0.00	18.7	72
16/07/2022 23:30	0.0	30	0	0.1	0.00	18.3	74
16/07/2022 23:40	0.0	31	0	0.0	0.00	18.7	73
16/07/2022 23:50	0.0	31	0	0.0	0.00	17.9	74
17/07/2022 00:00	0.0	60	0	0.0	0.00	18.0	75



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/07/2022 00:10	0.0	75	3	0.0	0.00	18.0	76
17/07/2022 00:20	0.0	13	1	0.0	0.00	19.1	79
17/07/2022 00:30	0.0	356	0	0.1	0.00	19.2	82
17/07/2022 00:40	0.0	353	0	0.0	0.00	19.4	83
17/07/2022 00:50	0.0	231	0	0.1	0.00	18.6	81
17/07/2022 01:00	0.0	106	0	0.0	0.00	17.5	82
17/07/2022 01:10	0.0	184	9	0.0	0.00	16.8	84
17/07/2022 01:20	0.0	253	0	0.2	0.00	17.0	85
17/07/2022 01:30	0.0	258	0	0.1	0.00	17.8	85
17/07/2022 01:40	0.0	259	1	0.0	0.00	17.9	83
17/07/2022 01:50	0.0	309	0	0.0	0.00	17.8	82
17/07/2022 02:00	0.0	26	0	0.0	0.00	17.4	81
17/07/2022 02:10	0.0	36	0	0.0	0.00	17.1	81
17/07/2022 02:20	0.0	47	0	0.1	0.00	17.4	81
17/07/2022 02:30	0.0	47	0	0.0	0.00	17.6	80
17/07/2022 02:40	0.0	202	0	0.0	0.00	17.5	79
17/07/2022 02:50	0.0	180	1	0.0	0.00	17.4	78
17/07/2022 03:00	0.0	19	1	0.0	0.00	17.3	77
17/07/2022 03:10	0.0	21	0	0.0	0.00	17.0	76
17/07/2022 03:20	0.0	21	0	0.0	0.00	16.8	75
17/07/2022 03:30	0.0	21	0	0.0	0.00	16.9	73
17/07/2022 03:40	0.0	335	1	0.0	0.00	17.0	71
17/07/2022 03:50	0.0	353	1	0.0	0.00	17.0	72
17/07/2022 04:00	0.0	177	16	0.2	0.00	17.5	70
17/07/2022 04:10	0.1	302	2	0.8	0.00	17.3	69
17/07/2022 04:20	0.5	224	11	1.1	0.00	17.4	66
17/07/2022 04:30	1.5	147	14	2.7	0.00	18.2	62
17/07/2022 04:40	2.1	157	14	3.5	0.00	18.7	58
17/07/2022 04:50	2.3	156	13	3.6	0.00	18.9	58
17/07/2022 05:00	1.5	165	9	2.7	0.00	18.7	58
17/07/2022 05:10	2.7	163	11	3.8	0.00	18.5	58
17/07/2022 05:20	2.5	166	11	4.1	0.00	18.7	59
17/07/2022 05:30	0.6	162	5	2.0	0.00	18.6	59
17/07/2022 05:40	0.0	119	5	0.0	0.00	17.5	62
17/07/2022 05:50	0.0	16	2	0.0	0.00	17.2	64
17/07/2022 06:00	0.0	7	7	0.1	0.00	16.8	66
17/07/2022 06:10	0.0	180	0	0.0	0.00	16.3	68
17/07/2022 06:20	0.1	197	10	0.7	0.00	16.0	71
17/07/2022 06:30	0.2	194	7	1.3	0.00	16.1	72
17/07/2022 06:40	0.4	47	5	1.2	0.00	15.7	73
17/07/2022 06:50	0.0	65	6	0.1	0.00	15.8	73
17/07/2022 07:00	0.0	181	0	0.0	0.00	15.9	73
17/07/2022 07:10	0.0	205	0	0.0	0.00	16.5	74
17/07/2022 07:20	0.0	99	6	0.0	0.00	17.1	72
17/07/2022 07:30	0.0	100	9	0.0	0.00	17.5	71
17/07/2022 07:40	0.0	63	0	0.0	0.00	18.4	68
17/07/2022 07:50	0.5	73	7	1.0	0.00	18.9	66
17/07/2022 08:00	1.9	59	7	2.7	0.00	18.8	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/07/2022 08:10	1.9	62	9	2.7	0.00	18.9	65
17/07/2022 08:20	2.6	66	6	3.3	0.00	19.1	64
17/07/2022 08:30	2.5	55	6	3.0	0.00	19.3	62
17/07/2022 08:40	3.0	60	6	3.4	0.00	19.6	57
17/07/2022 08:50	2.5	61	8	3.2	0.00	19.8	55
17/07/2022 09:00	2.2	65	8	2.9	0.00	20.1	53
17/07/2022 09:10	2.1	61	9	2.8	0.00	20.4	52
17/07/2022 09:20	1.9	68	11	2.5	0.00	20.8	51
17/07/2022 09:30	1.7	74	13	2.5	0.00	21.3	51
17/07/2022 09:40	2.6	71	17	3.3	0.00	21.4	50
17/07/2022 09:50	2.0	91	12	2.8	0.00	21.9	48
17/07/2022 10:00	2.4	111	12	3.4	0.00	22.3	47
17/07/2022 10:10	2.2	107	12	3.0	0.00	22.8	46
17/07/2022 10:20	2.9	113	10	3.9	0.00	22.7	46
17/07/2022 10:30	3.0	113	11	4.3	0.00	22.7	46
17/07/2022 10:40	2.4	95	16	3.3	0.00	23.0	45
17/07/2022 10:50	2.2	108	15	3.4	0.00	23.4	44
17/07/2022 11:00	2.2	114	13	3.1	0.00	23.3	43
17/07/2022 11:10	2.2	117	12	3.4	0.00	23.7	42
17/07/2022 11:20	2.2	115	12	3.2	0.00	24.3	40
17/07/2022 11:30	2.3	123	15	3.2	0.00	24.7	39
17/07/2022 11:40	2.6	122	11	3.6	0.00	24.7	40
17/07/2022 11:50	2.2	114	14	3.2	0.00	25.2	40
17/07/2022 12:00	2.4	112	12	3.5	0.00	25.3	40
17/07/2022 12:10	2.2	115	18	3.0	0.00	25.8	37
17/07/2022 12:20	2.3	120	12	3.6	0.00	25.8	36
17/07/2022 12:30	2.2	127	12	3.3	0.00	26.1	34
17/07/2022 12:40	1.9	126	13	2.8	0.00	26.5	32
17/07/2022 12:50	1.9	136	12	3.3	0.00	26.5	29
17/07/2022 13:00	1.6	130	18	2.8	0.00	26.9	27
17/07/2022 13:10	1.2	126	24	2.8	0.00	27.1	24
17/07/2022 13:20	1.8	81	20	3.1	0.00	27.3	24
17/07/2022 13:30	1.8	90	36	3.4	0.00	27.5	26
17/07/2022 13:40	2.4	79	27	3.4	0.00	27.3	27
17/07/2022 13:50	3.0	33	15	4.3	0.00	26.8	29
17/07/2022 14:00	2.5	36	18	3.4	0.00	26.5	28
17/07/2022 14:10	2.3	28	18	3.7	0.00	26.9	28
17/07/2022 14:20	2.6	36	13	3.6	0.00	26.7	29
17/07/2022 14:30	3.3	43	9	4.1	0.00	26.4	32
17/07/2022 14:40	3.0	44	10	3.9	0.00	26.1	36
17/07/2022 14:50	3.0	47	12	3.9	0.00	26.3	35
17/07/2022 15:00	3.1	51	10	4.0	0.00	26.1	35
17/07/2022 15:10	3.3	58	10	4.0	0.00	26.1	37
17/07/2022 15:20	3.4	60	8	4.1	0.00	26.2	36
17/07/2022 15:30	3.3	56	13	4.6	0.00	26.1	36
17/07/2022 15:40	3.2	54	8	4.1	0.00	26.2	32
17/07/2022 15:50	3.1	211	17	4.2	0.00	26.1	38
17/07/2022 16:00	2.2	14	20	3.2	0.00	25.8	45



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/07/2022 16:10	2.4	38	17	3.3	0.00	25.6	41
17/07/2022 16:20	2.8	41	16	4.1	0.00	25.8	36
17/07/2022 16:30	2.8	56	8	3.7	0.00	26.0	30
17/07/2022 16:40	2.9	59	9	3.9	0.00	25.7	31
17/07/2022 16:50	2.6	49	15	3.7	0.00	25.6	35
17/07/2022 17:00	2.0	47	8	2.8	0.00	25.2	35
17/07/2022 17:10	2.2	53	6	2.7	0.00	24.8	37
17/07/2022 17:20	1.8	50	7	2.4	0.00	24.4	39
17/07/2022 17:30	2.0	21	11	2.8	0.00	23.8	44
17/07/2022 17:40	3.1	356	7	3.9	0.00	23.5	50
17/07/2022 17:50	3.3	355	7	4.0	0.00	23.1	53
17/07/2022 18:00	2.7	358	9	3.6	0.00	22.9	54
17/07/2022 18:10	2.8	358	10	3.5	0.00	22.8	53
17/07/2022 18:20	2.7	357	8	3.4	0.00	22.7	54
17/07/2022 18:30	2.7	354	9	3.4	0.00	22.4	56
17/07/2022 18:40	1.9	339	9	2.9	0.00	22.0	61
17/07/2022 18:50	1.2	352	13	2.4	0.00	21.8	62
17/07/2022 19:00	0.2	5	8	2.1	0.00	21.5	62
17/07/2022 19:10	1.5	15	19	2.7	0.00	21.5	61
17/07/2022 19:20					0.00	21.3	60
17/07/2022 19:30	0.0	161	8	0.0	0.00	21.0	60
17/07/2022 19:40	0.0	125	0	0.0	0.00	20.8	57
17/07/2022 19:50	0.0	59	0	0.0	0.00	20.8	56
17/07/2022 20:00	0.0	222	4	0.0	0.00	20.9	57
17/07/2022 20:10	0.0	244	1	0.0	0.00	21.1	57
17/07/2022 20:20	0.0	249	0	0.0	0.00	20.8	60
17/07/2022 20:30	0.0	246	1	0.1	0.00	20.5	65
17/07/2022 20:40	0.8	245	1	1.3	0.00	20.2	68
17/07/2022 20:50	2.0	234	9	2.7	0.00	20.5	69
17/07/2022 21:00	3.0	260	5	3.4	0.00	19.8	73
17/07/2022 21:10	2.4	266	4	2.8	0.00	20.2	75
17/07/2022 21:20	2.2	279	6	2.9	0.00	20.2	76
17/07/2022 21:30	2.1	274	5	2.6	0.00	20.3	77
17/07/2022 21:40	1.6	273	4	2.2	0.00	20.3	77
17/07/2022 21:50	2.3	274	3	3.0	0.00	19.6	78
17/07/2022 22:00	1.9	267	5	2.9	0.00	19.8	79
17/07/2022 22:10	1.7	270	3	2.2	0.00	19.6	80
17/07/2022 22:20	1.7	265	6	2.7	0.00	19.4	81
17/07/2022 22:30	1.1	271	4	1.6	0.00	19.2	81
17/07/2022 22:40	0.1	262	2	0.8	0.00	19.0	82
17/07/2022 22:50	0.0	249	1	0.0	0.00	19.0	82
17/07/2022 23:00	0.0	239	3	0.0	0.00	18.8	83
17/07/2022 23:10	0.6	277	2	1.1	0.00	18.7	83
17/07/2022 23:20	1.5	277	4	2.0	0.00	18.6	83
17/07/2022 23:30	1.5	274	4	2.3	0.00	18.7	84
17/07/2022 23:40	1.9	276	6	2.8	0.00	18.9	84
17/07/2022 23:50	1.7	274	8	2.2	0.00	18.7	84
18/07/2022 00:00	0.4	261	6	2.5	0.00	18.6	84





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/07/2022 00:10	1.5	278	6	2.4	0.00	18.4	84
18/07/2022 00:20	0.4	279	3	1.7	0.00	18.5	84
18/07/2022 00:30	1.6	267	4	2.5	0.00	18.7	83
18/07/2022 00:40	1.3	256	6	2.0	0.00	18.7	82
18/07/2022 00:50	1.4	266	6	2.4	0.00	18.5	82
18/07/2022 01:00	0.7	273	3	1.9	0.00	18.5	82
18/07/2022 01:10	0.4	280	3	1.1	0.00	18.4	82
18/07/2022 01:20	0.0	272	4	0.5	0.00	18.4	81
18/07/2022 01:30	1.8	261	7	2.7	0.00	18.4	81
18/07/2022 01:40	2.3	277	7	3.0	0.00	18.2	82
18/07/2022 01:50	2.1	272	3	2.7	0.00	18.5	81
18/07/2022 02:00	0.9	278	5	2.0	0.00	17.9	81
18/07/2022 02:10	0.0	270	1	0.0	0.00	17.7	82
18/07/2022 02:20	0.4	276	5	1.5	0.00	17.7	82
18/07/2022 02:30	0.5	279	8	2.0	0.00	17.6	82
18/07/2022 02:40	0.0	279	0	0.0	0.00	17.6	81
18/07/2022 02:50	0.0	268	5	0.6	0.00	17.7	80
18/07/2022 03:00	0.7	259	3	1.4	0.00	17.6	79
18/07/2022 03:10	0.4	282	1	1.1	0.00	17.4	79
18/07/2022 03:20	0.0	272	1	0.0	0.00	17.6	78
18/07/2022 03:30	0.0	243	0	0.0	0.00	17.1	79
18/07/2022 03:40	0.0	251	0	0.0	0.00	16.9	81
18/07/2022 03:50	0.0	252	0	0.0	0.00	16.6	81
18/07/2022 04:00	0.0	260	15	0.7	0.00	16.8	80
18/07/2022 04:10	0.1	62	2	0.7	0.00	16.9	80
18/07/2022 04:20	0.0	76	0	0.0	0.00	16.9	82
18/07/2022 04:30	0.0	42	3	0.1	0.00	17.1	81
18/07/2022 04:40	0.0	45	0	0.0	0.00	16.9	80
18/07/2022 04:50	0.0	45	0	0.0	0.00	16.3	80
18/07/2022 05:00	0.0	45	0	0.0	0.00	15.9	77
18/07/2022 05:10	0.0	73	0	0.0	0.00	15.5	78
18/07/2022 05:20	0.0	58	1	0.0	0.00	15.6	76
18/07/2022 05:30	0.0	56	1	0.0	0.00	15.9	75
18/07/2022 05:40	0.0	278	0	0.0	0.00	15.6	76
18/07/2022 05:50	0.0	49	1	0.0	0.00	15.7	78
18/07/2022 06:00	0.5	48	2	1.0	0.00	15.9	77
18/07/2022 06:10	1.7	47	6	2.5	0.00	15.9	76
18/07/2022 06:20	1.8	47	2	2.6	0.00	16.2	76
18/07/2022 06:30	1.8	37	7	2.7	0.00	16.0	76
18/07/2022 06:40	0.8	35	1	1.4	0.00	15.3	77
18/07/2022 06:50	0.0	55	3	0.0	0.00	15.0	79
18/07/2022 07:00	0.0	43	0	0.0	0.10	15.1	78
18/07/2022 07:10					0.00	15.3	78
18/07/2022 07:20	0.0	58	0	0.0	0.00	15.8	77
18/07/2022 07:30	0.0	59	1	0.0	0.00	16.3	75
18/07/2022 07:40	0.0	84	0	0.0	0.00	16.8	74
18/07/2022 07:50	0.2	57	8	0.6	0.00	17.7	72
18/07/2022 08:00	0.0	46	0	0.0	0.00	18.0	73



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/07/2022 08:10	0.0	16	0	0.0	0.00	18.3	72
18/07/2022 08:20	1.3	62	10	2.8	0.00	19.2	64
18/07/2022 08:30	0.8	93	12	2.0	0.00	20.4	53
18/07/2022 08:40	0.7	107	8	2.0	0.00	21.0	46
18/07/2022 08:50	0.8	129	6	1.6	0.00	21.7	39
18/07/2022 09:00	0.7	124	2	1.4	0.00	22.2	37
18/07/2022 09:10	0.0	108	4	0.4	0.00	22.7	36
18/07/2022 09:20	0.0	109	3	0.7	0.00	23.3	36
18/07/2022 09:30	0.8	111	9	2.1	0.00	23.5	36
18/07/2022 09:40	0.3	101	10	1.3	0.00	23.8	36
18/07/2022 09:50	1.0	122	24	1.7	0.00	23.7	36
18/07/2022 10:00	0.6	123	10	1.8	0.00	24.1	36
18/07/2022 10:10	0.8	116	11	1.8	0.00	24.6	35
18/07/2022 10:20	0.8	138	9	2.0	0.00	24.4	36
18/07/2022 10:30	1.8	132	8	2.4	0.00	24.4	37
18/07/2022 10:40	2.3	135	8	2.9	0.00	24.0	38
18/07/2022 10:50	2.3	127	6	2.9	0.00	24.3	37
18/07/2022 11:00	2.0	118	14	2.6	0.00	24.7	37
18/07/2022 11:10	1.6	123	16	2.7	0.00	25.6	36
18/07/2022 11:20	2.1	145	8	2.8	0.00	25.2	37
18/07/2022 11:30	2.1	138	8	3.1	0.00	25.3	37
18/07/2022 11:40	2.5	129	10	3.4	0.00	25.6	36
18/07/2022 11:50	2.3	128	10	3.0	0.00	25.6	38
18/07/2022 12:00	2.4	131	9	3.3	0.00	25.9	37
18/07/2022 12:10	2.6	130	7	3.1	0.00	25.7	37
18/07/2022 12:20	2.2	130	12	3.1	0.00	25.7	36
18/07/2022 12:30	1.8	122	12	2.6	0.00	26.4	34
18/07/2022 12:40	1.4	173	28	2.4	0.00	26.8	31
18/07/2022 12:50	1.9	250	20	3.2	0.00	26.8	29
18/07/2022 13:00	2.7	279	12	3.7	0.00	26.8	27
18/07/2022 13:10	3.4	275	9	4.5	0.00	26.7	27
18/07/2022 13:20	3.6	281	12	4.6	0.00	26.4	27
18/07/2022 13:30	3.3	288	13	4.8	0.00	26.4	30
18/07/2022 13:40	3.0	290	16	4.5	0.00	26.2	32
18/07/2022 13:50	3.0	292	16	4.7	0.00	26.6	33
18/07/2022 14:00	2.8	312	16	4.4	0.00	26.4	33
18/07/2022 14:10	3.3	326	14	4.1	0.00	26.2	37
18/07/2022 14:20	4.0	322	7	5.1	0.00	25.6	43
18/07/2022 14:30	4.0	331	11	5.5	0.00	25.4	46
18/07/2022 14:40	4.1	326	11	5.8	0.00	25.4	49
18/07/2022 14:50	3.5	300	13	4.9	0.00	25.5	51
18/07/2022 15:00	3.5	284	13	4.6	0.00	25.9	51
18/07/2022 15:10	3.8	286	10	4.9	0.00	25.4	52
18/07/2022 15:20	4.0	283	9	4.8	0.00	25.2	49
18/07/2022 15:30	3.2	283	13	4.3	0.00	25.6	47
18/07/2022 15:40	3.4	287	12	4.5	0.00	25.7	47
18/07/2022 15:50	3.2	288	15	4.6	0.00	25.8	49
18/07/2022 16:00	3.4	298	14	4.7	0.00	25.5	51



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/07/2022 16:10	3.8	307	9	5.0	0.00	25.1	53
18/07/2022 16:20	3.1	305	13	4.4	0.00	25.2	53
18/07/2022 16:30	3.7	311	9	4.9	0.00	25.0	54
18/07/2022 16:40	3.2	304	12	4.5	0.00	24.8	55
18/07/2022 16:50	3.3	314	10	4.9	0.00	24.8	57
18/07/2022 17:00	3.4	304	8	4.2	0.00	24.3	57
18/07/2022 17:10	3.3	307	9	4.5	0.00	24.3	56
18/07/2022 17:20	3.4	311	8	4.5	0.00	23.9	60
18/07/2022 17:30	3.5	309	7	4.4	0.00	23.4	63
18/07/2022 17:40	3.9	310	5	4.6	0.00	23.1	64
18/07/2022 17:50	2.7	315	8	4.1	0.00	22.9	66
18/07/2022 18:00	3.1	318	10	4.2	0.00	22.7	69
18/07/2022 18:10	2.2	304	13	3.1	0.00	22.4	68
18/07/2022 18:20	2.5	305	9	3.7	0.00	22.6	67
18/07/2022 18:30	2.6	315	10	4.0	0.00	22.4	69
18/07/2022 18:40	2.5	325	7	3.5	0.00	22.4	72
18/07/2022 18:50	2.6	323	7	3.4	0.00	22.2	74
18/07/2022 19:00	1.9	316	9	2.9	0.00	22.1	74
18/07/2022 19:10	2.2	322	7	3.0	0.00	22.0	74
18/07/2022 19:20	2.5	314	10	3.4	0.00	21.9	75
18/07/2022 19:30	3.4	319	9	4.5	0.00	22.0	75
18/07/2022 19:40	3.5	329	7	4.9	0.00	22.0	75
18/07/2022 19:50	4.0	338	7	4.9	0.00	22.1	74
18/07/2022 20:00	3.6	347	4	4.1	0.00	21.9	75
18/07/2022 20:10	3.2	345	5	4.1	0.00	21.8	76
18/07/2022 20:20	3.9	329	7	4.9	0.00	22.0	76
18/07/2022 20:30	3.6	327	6	4.8	0.00	22.1	76
18/07/2022 20:40	3.6	327	7	4.9	0.00	22.1	77
18/07/2022 20:50	3.0	311	9	4.1	0.00	22.0	78
18/07/2022 21:00	2.6	285	9	3.5	0.00	21.8	78
18/07/2022 21:10	2.5	302	9	3.2	0.00	21.6	79
18/07/2022 21:20	3.1	327	8	4.1	0.00	21.8	80
18/07/2022 21:30	3.8	330	6	5.1	0.00	21.8	81
18/07/2022 21:40	2.9	317	9	4.1	0.00	21.7	81
18/07/2022 21:50	2.0	307	10	3.5	0.00	21.6	82
18/07/2022 22:00	2.8	301	9	3.8	0.00	21.6	82
18/07/2022 22:10	3.1	313	9	4.4	0.00	21.6	82
18/07/2022 22:20	3.3	316	8	4.9	0.00	21.6	82
18/07/2022 22:30	3.0	313	10	4.2	0.00	21.6	82
18/07/2022 22:40	2.5	299	10	3.7	0.00	21.6	82
18/07/2022 22:50	2.7	319	8	4.2	0.00	21.6	81
18/07/2022 23:00	3.1	317	7	3.9	0.00	21.5	82
18/07/2022 23:10	2.9	316	7	4.0	0.00	21.4	83
18/07/2022 23:20	3.0	302	10	3.7	0.00	21.4	82
18/07/2022 23:30	2.9	282	7	3.8	0.00	21.4	81
18/07/2022 23:40	2.8	296	7	3.4	0.00	21.6	79
18/07/2022 23:50	2.8	304	7	3.9	0.00	21.6	79
19/07/2022 00:00	3.3	302	8	4.1	0.00	21.8	79



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/07/2022 00:10	3.3	305	9	4.5	0.00	21.8	79
19/07/2022 00:20	3.4	305	9	4.5	0.00	21.9	78
19/07/2022 00:30	3.1	305	8	4.4	0.00	21.7	78
19/07/2022 00:40	3.4	305	8	4.5	0.00	21.8	76
19/07/2022 00:50	3.4	301	8	4.4	0.00	22.0	74
19/07/2022 01:00	3.5	306	8	4.7	0.00	22.0	74
19/07/2022 01:10	3.5	301	9	4.5	0.00	22.0	74
19/07/2022 01:20	3.9	303	7	5.0	0.00	22.1	73
19/07/2022 01:30	3.7	301	8	4.7	0.00	22.1	74
19/07/2022 01:40	3.7	308	7	4.9	0.00	22.0	75
19/07/2022 01:50	3.6	300	6	4.7	0.00	22.1	76
19/07/2022 02:00	2.7	270	12	3.3	0.00	21.3	77
19/07/2022 02:10	2.1	286	6	2.7	0.00	20.9	81
19/07/2022 02:20	1.6	286	10	2.6	0.00	21.2	83
19/07/2022 02:30	0.3	281	2	1.4	0.00	21.0	85
19/07/2022 02:40	1.8	265	9	2.6	0.00	20.4	86
19/07/2022 02:50	0.7	179	14	1.7	0.00	19.9	87
19/07/2022 03:00	2.6	127	9	4.4	0.00	19.5	88
19/07/2022 03:10	1.8	102	13	3.2	0.00	19.2	89
19/07/2022 03:20	0.6	82	7	2.5	0.00	18.7	90
19/07/2022 03:30	0.9	58	18	2.6	0.00	18.7	91
19/07/2022 03:40	1.1	76	12	2.4	0.00	18.5	92
19/07/2022 03:50	0.7	43	4	2.5	0.00	18.3	92
19/07/2022 04:00	2.2	98	18	3.0	0.00	18.4	93
19/07/2022 04:10	2.1	116	13	3.1	0.00	18.6	93
19/07/2022 04:20	2.3	129	13	3.4	0.00	18.6	93
19/07/2022 04:30	2.2	118	13	3.0	0.00	18.4	93
19/07/2022 04:40	2.1	115	12	3.2	0.00	18.3	93
19/07/2022 04:50	2.2	113	16	3.2	0.00	18.1	93
19/07/2022 05:00	2.2	113	8	3.1	0.00	18.3	93
19/07/2022 05:10	2.1	105	16	3.2	0.00	18.2	93
19/07/2022 05:20	2.0	108	14	3.1	0.00	18.1	93
19/07/2022 05:30	2.3	105	15	3.4	0.00	18.1	93
19/07/2022 05:40	2.5	104	12	3.4	0.00	18.2	94
19/07/2022 05:50	2.5	106	10	3.4	0.00	18.0	94
19/07/2022 06:00	2.7	112	8	3.7	0.00	18.0	94
19/07/2022 06:10	1.4	95	17	2.5	0.00	17.7	94
19/07/2022 06:20	2.2	104	17	3.5	0.00	17.7	94
19/07/2022 06:30	2.6	103	16	4.0	0.00	17.6	94
19/07/2022 06:40	2.8	110	10	4.0	0.00	17.7	94
19/07/2022 06:50	3.4	115	8	4.4	0.00	17.8	93
19/07/2022 07:00	2.5	120	8	3.7	0.10	17.7	92
19/07/2022 07:10	3.4	116	6	4.4	0.10	17.7	91
19/07/2022 07:20	3.6	116	6	4.3	0.00	17.9	90
19/07/2022 07:30	3.3	113	9	4.3	0.00	18.1	89
19/07/2022 07:40	3.5	113	7	4.4	0.00	18.2	87
19/07/2022 07:50	3.4	115	7	4.3	0.00	18.2	84
19/07/2022 08:00	3.6	114	9	4.4	0.00	18.5	82



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/07/2022 08:10	3.0	113	11	4.6	0.00	18.7	81
19/07/2022 08:20	2.5	81	21	4.0	0.00	18.7	80
19/07/2022 08:30	2.9	61	12	3.8	0.00	18.6	80
19/07/2022 08:40	2.5	95	21	3.9	0.00	19.1	79
19/07/2022 08:50	2.7	96	14	4.2	0.00	19.6	75
19/07/2022 09:00	3.0	105	14	4.2	0.00	19.7	73
19/07/2022 09:10	3.8	109	12	5.7	0.00	19.9	72
19/07/2022 09:20	4.0	108	12	5.6	0.00	20.0	72
19/07/2022 09:30	3.7	106	14	5.4	0.00	20.3	71
19/07/2022 09:40	3.8	108	13	5.5	0.00	20.6	70
19/07/2022 09:50	3.4	108	13	4.7	0.00	20.9	69
19/07/2022 10:00	3.4	101	13	4.8	0.00	21.4	66
19/07/2022 10:10	2.8	105	12	3.7	0.00	21.9	64
19/07/2022 10:20	2.6	114	15	3.9	0.00	22.4	63
19/07/2022 10:30	3.4	84	13	4.7	0.00	22.7	60
19/07/2022 10:40	3.6	88	13	5.1	0.00	23.4	53
19/07/2022 10:50	4.1	79	8	5.8	0.00	23.6	51
19/07/2022 11:00	3.8	85	15	5.0	0.00	24.3	48
19/07/2022 11:10	4.7	78	11	6.2	0.00	24.3	46
19/07/2022 11:20	4.6	76	9	6.1	0.00	24.5	42
19/07/2022 11:30	5.1	68	9	7.0	0.00	24.3	42
19/07/2022 11:40	4.6	68	11	6.5	0.00	24.5	44
19/07/2022 11:50	4.8	64	11	6.3	0.00	24.6	44
19/07/2022 12:00	5.0	54	9	6.1	0.00	24.3	47
19/07/2022 12:10	4.4	56	12	6.1	0.00	24.6	46
19/07/2022 12:20	4.2	44	15	5.9	0.00	24.5	49
19/07/2022 12:30	4.6	45	11	6.0	0.00	24.4	49
19/07/2022 12:40	4.4	45	11	5.9	0.00	24.4	49
19/07/2022 12:50	4.6	41	10	6.3	0.00	24.6	49
19/07/2022 13:00	4.7	43	9	6.1	0.00	24.6	48
19/07/2022 13:10	4.8	45	10	6.4	0.00	24.8	47
19/07/2022 13:20	5.0	48	9	6.0	0.00	24.8	45
19/07/2022 13:30	5.1	45	7	6.2	0.00	25.2	43
19/07/2022 13:40	5.0	55	10	6.2	0.00	25.4	43
19/07/2022 13:50	5.1	52	8	6.3	0.00	25.5	44
19/07/2022 14:00	5.3	57	9	6.5	0.00	25.6	42
19/07/2022 14:10	5.4	55	9	6.9	0.00	25.5	41
19/07/2022 14:20	6.1	52	7	7.4	0.00	25.6	39
19/07/2022 14:30	6.2	52	8	7.5	0.00	25.7	40
19/07/2022 14:40	6.2	51	9	7.8	0.00	25.4	42
19/07/2022 14:50	6.5	49	8	8.4	0.00	25.4	43
19/07/2022 15:00	6.6	47	8	8.6	0.00	25.3	44
19/07/2022 15:10	6.0	48	10	8.1	0.00	25.7	42
19/07/2022 15:20	6.0	49	9	7.3	0.00	25.8	40
19/07/2022 15:30	6.1	48	8	7.8	0.00	25.7	39
19/07/2022 15:40	6.6	48	7	8.1	0.00	25.7	37
19/07/2022 15:50	6.3	48	7	7.9	0.00	25.8	37
19/07/2022 16:00	6.1	51	7	7.9	0.00	26.0	35



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/07/2022 16:10	5.4	52	8	7.3	0.00	26.1	35
19/07/2022 16:20	5.3	50	7	6.6	0.00	26.4	33
19/07/2022 16:30	4.3	43	10	5.9	0.00	26.7	34
19/07/2022 16:40	4.3	34	11	5.4	0.00	26.6	36
19/07/2022 16:50	4.4	16	9	6.0	0.00	26.0	42
19/07/2022 17:00	5.4	7	6	6.5	0.00	25.3	46
19/07/2022 17:10	5.2	10	7	6.4	0.00	25.0	50
19/07/2022 17:20	5.1	9	7	6.4	0.00	24.8	53
19/07/2022 17:30	5.3	6	6	6.4	0.00	24.2	59
19/07/2022 17:40	4.8	9	7	6.2	0.00	23.7	62
19/07/2022 17:50	4.8	6	6	6.1	0.00	23.5	61
19/07/2022 18:00	4.5	7	7	5.6	0.00	23.4	61
19/07/2022 18:10	5.0	6	7	6.3	0.00	23.3	59
19/07/2022 18:20	5.0	8	7	6.3	0.00	23.3	58
19/07/2022 18:30	4.9	9	7	6.4	0.00	23.2	58
19/07/2022 18:40	4.8	8	9	5.9	0.00	23.1	60
19/07/2022 18:50	5.0	6	7	6.5	0.00	23.0	62
19/07/2022 19:00	5.2	10	7	6.5	0.00	22.9	63
19/07/2022 19:10	4.9	10	6	6.1	0.00	22.8	63
19/07/2022 19:20	4.9	13	8	6.5	0.00	22.8	62
19/07/2022 19:30	4.6	12	9	6.4	0.00	22.7	62
19/07/2022 19:40	4.2	18	8	5.4	0.00	22.7	62
19/07/2022 19:50	2.9	32	11	4.2	0.00	22.2	64
19/07/2022 20:00	2.4	44	15	3.5	0.00	21.9	66
19/07/2022 20:10	1.9	61	9	2.4	0.00	21.5	67
19/07/2022 20:20	1.7	54	8	2.3	0.00	21.4	69
19/07/2022 20:30	0.5	56	3	0.9	0.00	21.3	70
19/07/2022 20:40	0.0	75	0	0.0	0.00	21.1	71
19/07/2022 20:50	0.0	78	0	0.0	0.00	21.2	72
19/07/2022 21:00	0.0	117	1	0.0	0.00	21.1	73
19/07/2022 21:10	0.0	131	2	0.4	0.00	21.2	74
19/07/2022 21:20	0.0	134	0	0.0	0.00	21.1	74
19/07/2022 21:30	0.3	313	5	1.2	0.00	21.4	75
19/07/2022 21:40	0.1	323	4	0.6	0.00	21.3	75
19/07/2022 21:50	0.0	313	0	0.1	0.00	21.2	76
19/07/2022 22:00	0.4	324	2	1.5	0.00	21.3	76
19/07/2022 22:10	0.0	6	0	0.0	0.00	20.5	76
19/07/2022 22:20	0.0	72	2	0.0	0.00	19.8	77
19/07/2022 22:30	0.0	75	0	0.0	0.00	19.8	78
19/07/2022 22:40	0.0	165	4	0.0	0.00	19.9	79
19/07/2022 22:50	0.0	289	0	0.0	0.00	20.2	80
19/07/2022 23:00	0.8	263	2	3.1	0.00	20.5	80
19/07/2022 23:10	0.7	226	7	1.6	0.00	19.8	82
19/07/2022 23:20	0.0	191	6	0.0	0.00	19.7	83
19/07/2022 23:30	0.0	311	1	0.0	0.00	19.7	84
19/07/2022 23:40	1.3	268	9	2.2	0.00	19.6	84
19/07/2022 23:50	0.1	263	2	0.5	0.00	19.4	83
20/07/2022 00:00	0.0	118	8	0.0	0.00	18.8	84



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/07/2022 00:10	0.0	318	3	0.0	0.00	19.2	85
20/07/2022 00:20	0.1	254	1	0.8	0.00	19.3	84
20/07/2022 00:30	1.0	240	4	2.0	0.00	19.1	84
20/07/2022 00:40	0.0	251	0	0.0	0.00	19.4	83
20/07/2022 00:50	0.0	250	0	0.0	0.00	19.2	82
20/07/2022 01:00	0.4	61	11	1.6	0.00	18.9	82
20/07/2022 01:10	0.3	49	0	1.1	0.00	18.5	84
20/07/2022 01:20	0.0	47	0	0.4	0.00	18.5	85
20/07/2022 01:30	0.0	47	0	0.2	0.00	18.9	84
20/07/2022 01:40	0.0	194	5	0.1	0.00	18.7	84
20/07/2022 01:50	0.4	26	3	1.0	0.00	19.1	83
20/07/2022 02:00	0.0	7	2	0.0	0.00	19.4	82
20/07/2022 02:10	0.0	20	0	0.0	0.00	19.2	81
20/07/2022 02:20	0.0	171	0	0.0	0.00	18.8	82
20/07/2022 02:30	0.9	42	3	2.7	0.00	18.5	83
20/07/2022 02:40	1.1	56	4	1.7	0.00	18.3	84
20/07/2022 02:50	0.8	46	9	2.1	0.00	18.3	85
20/07/2022 03:00	0.7	107	11	1.4	0.00	18.1	85
20/07/2022 03:10	0.6	149	11	1.7	0.00	18.6	82
20/07/2022 03:20	0.5	144	10	2.0	0.00	18.7	80
20/07/2022 03:30	1.3	164	13	2.5	0.00	19.0	78
20/07/2022 03:40	0.4	137	7	0.8	0.00	18.6	76
20/07/2022 03:50	1.3	161	17	2.6	0.00	19.0	73
20/07/2022 04:00	1.5	152	14	2.9	0.00	19.1	72
20/07/2022 04:10	1.7	168	9	2.9	0.00	19.2	71
20/07/2022 04:20	1.0	162	9	2.1	0.00	18.8	71
20/07/2022 04:30	1.7	147	17	2.9	0.00	19.0	69
20/07/2022 04:40	1.2	137	11	2.6	0.00	19.0	67
20/07/2022 04:50	0.6	24	5	2.3	0.00	18.7	69
20/07/2022 05:00	1.3	68	12	2.5	0.00	17.6	72
20/07/2022 05:10	1.4	80	18	2.5	0.00	17.6	73
20/07/2022 05:20	0.5	72	14	1.1	0.00	17.6	72
20/07/2022 05:30	0.0	72	0	0.0	0.00	17.2	74
20/07/2022 05:40	0.0	105	0	0.0	0.00	17.0	75
20/07/2022 05:50	0.0	96	0	0.0	0.00	17.2	76
20/07/2022 06:00	1.4	53	3	2.4	0.00	17.1	76
20/07/2022 06:10	2.2	54	7	3.2	0.00	16.8	77
20/07/2022 06:20	1.6	62	8	2.4	0.00	16.6	79
20/07/2022 06:30	2.5	58	11	3.2	0.00	16.9	80
20/07/2022 06:40	1.7	39	11	2.9	0.00	17.0	80
20/07/2022 06:50	0.2	37	7	1.5	0.00	16.8	80
20/07/2022 07:00	2.5	54	6	3.0	0.10	17.1	81
20/07/2022 07:10	2.1	55	4	2.7	0.00	17.4	80
20/07/2022 07:20	2.5	48	4	2.9	0.00	17.7	80
20/07/2022 07:30	2.5	40	5	2.9	0.00	18.2	79
20/07/2022 07:40	2.0	44	6	2.9	0.00	18.8	77
20/07/2022 07:50	1.4	38	8	2.4	0.00	19.3	76
20/07/2022 08:00	2.1	33	9	2.8	0.00	19.4	75



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/07/2022 08:10	1.5	40	6	2.0	0.00	19.8	74
20/07/2022 08:20	1.9	51	8	2.7	0.00	20.1	75
20/07/2022 08:30	1.8	53	14	2.6	0.00	20.6	75
20/07/2022 08:40	2.5	71	10	3.1	0.00	21.1	72
20/07/2022 08:50	3.1	66	11	4.0	0.00	21.5	71
20/07/2022 09:00	3.0	61	10	4.0	0.00	21.8	71
20/07/2022 09:10	3.5	67	8	4.4	0.00	21.9	70
20/07/2022 09:20	3.1	51	9	4.0	0.00	22.2	69
20/07/2022 09:30	3.5	66	13	4.8	0.00	22.5	67
20/07/2022 09:40	4.2	76	11	5.7	0.00	22.3	69
20/07/2022 09:50	4.7	82	9	6.0	0.00	21.9	69
20/07/2022 10:00	5.7	81	7	6.9	0.00	21.7	63
20/07/2022 10:10	5.2	82	8	6.3	0.00	22.1	60
20/07/2022 10:20	5.4	82	7	6.9	0.00	22.5	58
20/07/2022 10:30	4.8	79	9	6.3	0.00	22.8	56
20/07/2022 10:40	4.5	81	9	6.5	0.00	23.0	55
20/07/2022 10:50	4.9	82	9	6.4	0.00	23.2	53
20/07/2022 11:00	5.2	75	10	6.9	0.00	23.5	52
20/07/2022 11:10	5.7	66	8	7.1	0.00	23.5	53
20/07/2022 11:20	5.6	69	8	7.0	0.00	23.3	56
20/07/2022 11:30	6.0	69	9	7.9	0.00	23.2	60
20/07/2022 11:40	5.7	68	8	7.0	0.00	23.1	62
20/07/2022 11:50	5.0	75	11	6.6	0.00	23.8	58
20/07/2022 12:00	5.0	71	11	6.5	0.00	24.1	54
20/07/2022 12:10	5.5	68	9	7.1	0.00	24.0	52
20/07/2022 12:20	6.5	72	8	7.8	0.00	24.0	49
20/07/2022 12:30	5.8	76	9	7.3	0.00	24.6	49
20/07/2022 12:40	5.5	71	10	7.4	0.00	24.8	51
20/07/2022 12:50	5.2	67	13	6.8	0.00	25.2	49
20/07/2022 13:00	5.2	60	11	6.8	0.00	25.2	49
20/07/2022 13:10	5.6	58	10	7.0	0.00	25.1	49
20/07/2022 13:20	5.8	64	10	7.5	0.00	25.3	48
20/07/2022 13:30	5.4	68	11	7.2	0.00	25.3	49
20/07/2022 13:40	5.7	79	9	7.2	0.00	24.9	54
20/07/2022 13:50	5.4	72	10	7.5	0.00	24.8	56
20/07/2022 14:00	5.6	72	12	7.4	0.00	24.8	57
20/07/2022 14:10	5.7	58	11	7.8	0.00	24.8	58
20/07/2022 14:20	5.7	54	10	8.0	0.00	24.7	57
20/07/2022 14:30	5.6	56	10	7.4	0.00	24.8	58
20/07/2022 14:40	5.9	58	11	8.2	0.00	25.0	57
20/07/2022 14:50	5.9	54	9	7.4	0.00	24.8	58
20/07/2022 15:00	5.7	61	10	7.8	0.00	25.0	58
20/07/2022 15:10	5.7	59	10	7.5	0.00	24.9	58
20/07/2022 15:20	5.5	62	9	7.0	0.00	24.9	56
20/07/2022 15:30	5.7	62	8	7.0	0.00	24.9	55
20/07/2022 15:40	5.5	65	8	6.8	0.00	25.0	53
20/07/2022 15:50	4.8	60	10	6.2	0.00	25.0	52
20/07/2022 16:00	4.8	60	12	5.9	0.00	24.9	55





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/07/2022 16:10	4.9	66	10	6.4	0.00	24.8	57
20/07/2022 16:20	4.7	62	8	6.3	0.00	24.7	60
20/07/2022 16:30	3.8	64	9	5.4	0.00	24.7	62
20/07/2022 16:40	4.0	67	8	5.0	0.00	24.7	60
20/07/2022 16:50	4.4	63	9	5.7	0.00	25.0	54
20/07/2022 17:00	5.0	61	7	6.7	0.00	24.7	54
20/07/2022 17:10	4.5	60	8	5.8	0.00	24.5	57
20/07/2022 17:20	4.3	64	8	5.5	0.00	24.2	61
20/07/2022 17:30	3.9	64	8	5.1	0.00	23.8	65
20/07/2022 17:40	2.9	70	7	4.0	0.00	23.2	71
20/07/2022 17:50	2.6	69	5	3.4	0.00	22.7	75
20/07/2022 18:00	2.0	49	8	2.7	0.00	22.2	76
20/07/2022 18:10	2.2	38	3	2.9	0.00	22.1	77
20/07/2022 18:20	2.1	38	3	2.4	0.00	22.0	78
20/07/2022 18:30	2.5	39	2	3.1	0.00	21.9	79
20/07/2022 18:40	2.2	43	3	2.7	0.00	21.7	80
20/07/2022 18:50	2.3	44	2	2.9	0.00	21.4	81
20/07/2022 19:00	2.2	44	1	3.0	0.00	21.3	82
20/07/2022 19:10	1.4	44	1	1.8	0.00	21.2	81
20/07/2022 19:20	1.5	47	2	2.4	0.00	21.0	80
20/07/2022 19:30	1.5	50	1	2.1	0.00	20.6	80
20/07/2022 19:40	1.1	51	1	1.2	0.00	20.5	82
20/07/2022 19:50	1.3	54	1	1.8	0.00	20.3	84
20/07/2022 20:00	0.7	55	1	1.4	0.00	19.9	84
20/07/2022 20:10	0.0	44	0	0.0	0.00	19.6	84
20/07/2022 20:20	0.0	44	0	0.0	0.00	19.4	83
20/07/2022 20:30	0.0	46	0	0.1	0.00	19.9	83
20/07/2022 20:40	0.0	46	0	0.0	0.00	20.5	84
20/07/2022 20:50	0.0	103	7	0.0	0.00	20.3	85
20/07/2022 21:00	0.0	174	0	0.0	0.00	20.0	86
20/07/2022 21:10	0.0	174	0	0.0	0.00	20.1	86
20/07/2022 21:20	0.0	45	0	0.0	0.00	19.6	84
20/07/2022 21:30	0.0	45	0	0.0	0.00	19.6	81
20/07/2022 21:40					0.00	19.9	79
20/07/2022 21:50	0.0	45	0	0.0	0.00	19.6	76
20/07/2022 22:00	0.0	45	0	0.0	0.00	19.8	77
20/07/2022 22:10					0.00	20.1	75
20/07/2022 22:20	0.0	45	0	0.0	0.00	19.9	73
20/07/2022 22:30	0.0	45	0	0.0	0.00	19.7	73
20/07/2022 22:40	0.0	45	0	0.0	0.00	19.8	73
20/07/2022 22:50	0.0	46	0	0.0	0.00	19.7	73
20/07/2022 23:00	0.0	45	0	0.0	0.00	19.4	73
20/07/2022 23:10	0.0	45	0	0.0	0.00	18.9	74
20/07/2022 23:20	0.0	151	12	0.4	0.00	18.4	75
20/07/2022 23:30	0.1	245	0	0.4	0.00	17.8	76
20/07/2022 23:40	0.0	244	0	0.0	0.00	18.0	76
20/07/2022 23:50	0.0	244	0	0.0	0.00	18.4	76
21/07/2022 00:00	0.0	244	0	0.0	0.00	18.6	73



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/07/2022 00:10	0.0	261	1	0.0	0.00	18.3	73
21/07/2022 00:20	1.2	274	2	1.5	0.00	18.0	75
21/07/2022 00:30	2.2	268	2	2.8	0.00	19.6	70
21/07/2022 00:40	0.9	244	2	1.3	0.00	18.9	70
21/07/2022 00:50	0.0	208	7	0.0	0.00	17.8	74
21/07/2022 01:00	0.0	326	0	0.0	0.00	17.3	76
21/07/2022 01:10	0.0	89	0	0.0	0.00	17.6	77
21/07/2022 01:20	0.0	63	0	0.0	0.00	18.0	78
21/07/2022 01:30	0.0	98	0	0.2	0.00	17.6	78
21/07/2022 01:40	0.0	98	0	0.1	0.00	17.4	79
21/07/2022 01:50	0.0	98	0	0.0	0.00	17.2	80
21/07/2022 02:00	0.0	98	0	0.0	0.00	17.1	80
21/07/2022 02:10	0.0	97	0	0.0	0.00	16.8	80
21/07/2022 02:20	0.0	83	2	0.0	0.00	16.6	81
21/07/2022 02:30	0.0	61	0	0.0	0.00	16.9	82
21/07/2022 02:40	0.0	62	0	0.0	0.00	16.8	82
21/07/2022 02:50	0.0	62	0	0.0	0.00	16.7	83
21/07/2022 03:00	0.0	176	8	0.0	0.00	17.0	83
21/07/2022 03:10	0.0	238	0	0.0	0.00	16.8	84
21/07/2022 03:20	0.0	240	0	0.0	0.00	16.8	85
21/07/2022 03:30	0.0	240	0	0.0	0.00	16.5	85
21/07/2022 03:40	0.0	60	0	0.0	0.00	16.3	85
21/07/2022 03:50	0.0	60	0	0.0	0.00	16.7	86
21/07/2022 04:00	0.0	59	0	0.0	0.00	16.6	86
21/07/2022 04:10	0.0	279	2	0.0	0.00	16.7	86
21/07/2022 04:20	0.0	268	1	0.0	0.00	16.5	86
21/07/2022 04:30	0.0	233	5	0.0	0.00	16.3	86
21/07/2022 04:40	0.0	195	0	0.0	0.00	15.9	86
21/07/2022 04:50	0.0	183	3	0.0	0.00	16.4	87
21/07/2022 05:00	0.0	214	2	0.0	0.00	16.3	86
21/07/2022 05:10	0.2	263	4	1.1	0.00	16.4	86
21/07/2022 05:20	1.6	269	8	2.5	0.00	16.7	86
21/07/2022 05:30	0.6	282	7	1.8	0.00	16.3	85
21/07/2022 05:40	2.2	271	5	3.0	0.00	17.2	86
21/07/2022 05:50	2.9	271	4	3.3	0.00	18.2	84
21/07/2022 06:00	3.1	268	3	3.6	0.00	18.2	83
21/07/2022 06:10	3.2	266	3	3.6	0.00	18.0	84
21/07/2022 06:20	3.4	265	4	3.8	0.00	18.0	85
21/07/2022 06:30	3.2	268	4	3.7	0.00	18.3	85
21/07/2022 06:40	3.3	266	5	3.6	0.00	18.3	84
21/07/2022 06:50	3.4	267	4	3.8	0.00	18.4	84
21/07/2022 07:00	3.3	266	4	3.8	0.00	18.5	84
21/07/2022 07:10	3.5	268	4	4.0	0.00	18.6	84
21/07/2022 07:20	3.0	272	5	3.4	0.00	18.8	83
21/07/2022 07:30	3.3	269	9	3.9	0.00	19.1	83
21/07/2022 07:40	3.0	267	8	3.7	0.00	19.6	82
21/07/2022 07:50	2.8	268	8	3.3	0.00	19.9	81
21/07/2022 08:00	2.7	271	8	3.5	0.00	20.3	80



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/07/2022 08:10	2.1	273	8	2.7	0.00	20.8	79
21/07/2022 08:20	1.9	258	13	2.9	0.00	21.2	78
21/07/2022 08:30	1.8	260	12	2.6	0.00	21.7	77
21/07/2022 08:40	0.6	217	17	2.1	0.00	22.0	76
21/07/2022 08:50	2.7	238	17	4.1	0.00	22.6	74
21/07/2022 09:00	2.4	235	11	3.4	0.00	22.8	72
21/07/2022 09:10	3.3	228	7	4.3	0.00	23.0	71
21/07/2022 09:20	3.0	229	14	4.0	0.00	23.3	70
21/07/2022 09:30	2.1	236	13	3.0	0.00	23.6	67
21/07/2022 09:40	2.3	231	15	3.5	0.00	24.1	64
21/07/2022 09:50	1.1	226	28	2.4	0.00	24.8	60
21/07/2022 10:00	1.4	133	29	2.6	0.00	25.0	60
21/07/2022 10:10	2.5	122	8	3.6	0.00	24.4	64
21/07/2022 10:20	2.4	124	10	3.4	0.00	24.1	65
21/07/2022 10:30	2.2	99	15	3.1	0.00	24.4	63
21/07/2022 10:40	2.0	105	17	3.5	0.00	24.7	61
21/07/2022 10:50	2.0	99	19	3.3	0.00	24.8	60
21/07/2022 11:00	2.3	88	19	3.5	0.00	25.1	60
21/07/2022 11:10	2.0	81	13	3.0	0.00	25.0	60
21/07/2022 11:20	2.3	70	17	3.3	0.00	25.3	58
21/07/2022 11:30	1.7	117	22	2.9	0.00	26.5	54
21/07/2022 11:40	1.9	129	23	3.2	0.00	26.2	54
21/07/2022 11:50	1.9	140	13	2.8	0.00	26.5	53
21/07/2022 12:00	2.4	92	16	3.5	0.00	26.9	46
21/07/2022 12:10	1.3	124	24	2.4	0.00	28.6	39
21/07/2022 12:20	1.1	128	22	2.2	0.00	27.9	44
21/07/2022 12:30	1.6	120	31	2.5	0.00	28.1	43
21/07/2022 12:40	1.1	108	26	2.5	0.00	28.1	42
21/07/2022 12:50	0.8	160	26	2.0	0.00	28.2	44
21/07/2022 13:00	1.7	225	20	2.9	0.00	27.9	40
21/07/2022 13:10	2.8	266	12	4.1	0.00	28.5	32
21/07/2022 13:20	3.5	266	11	4.9	0.00	28.1	33
21/07/2022 13:30	4.0	269	11	4.9	0.00	28.0	33
21/07/2022 13:40	3.8	265	11	5.0	0.00	28.0	34
21/07/2022 13:50	3.9	261	9	5.2	0.00	27.9	33
21/07/2022 14:00	3.5	257	13	4.6	0.00	27.9	33
21/07/2022 14:10	3.8	255	12	5.4	0.00	27.8	34
21/07/2022 14:20	3.5	265	18	4.9	0.00	27.9	34
21/07/2022 14:30	3.9	267	13	5.2	0.00	27.8	32
21/07/2022 14:40	3.7	269	9	5.0	0.00	27.8	30
21/07/2022 14:50	3.9	261	10	5.0	0.00	27.9	29
21/07/2022 15:00	3.3	279	14	4.4	0.00	28.0	33
21/07/2022 15:10	3.4	282	15	4.5	0.00	27.7	37
21/07/2022 15:20	2.7	315	16	4.1	0.00	27.2	45
21/07/2022 15:30	2.5	311	12	3.4	0.00	27.0	47
21/07/2022 15:40	2.3	309	14	3.7	0.00	27.1	49
21/07/2022 15:50	2.7	325	13	3.8	0.00	26.8	53
21/07/2022 16:00	2.9	325	11	3.9	0.00	26.5	54



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/07/2022 16:10	2.9	325	10	3.9	0.00	26.4	55
21/07/2022 16:20	2.8	325	13	3.8	0.00	26.1	57
21/07/2022 16:30	2.7	324	12	3.8	0.00	26.1	58
21/07/2022 16:40	3.0	329	9	3.9	0.00	25.8	59
21/07/2022 16:50	3.2	329	8	3.9	0.00	25.7	60
21/07/2022 17:00	3.1	330	7	4.1	0.00	25.5	60
21/07/2022 17:10	3.1	332	8	3.8	0.00	25.4	61
21/07/2022 17:20	3.1	336	8	4.0	0.00	25.0	64
21/07/2022 17:30	2.9	339	8	4.1	0.00	24.5	67
21/07/2022 17:40	3.1	340	7	4.3	0.00	24.1	68
21/07/2022 17:50	3.3	350	8	4.3	0.00	24.0	69
21/07/2022 18:00	3.8	348	5	4.7	0.00	23.7	72
21/07/2022 18:10	2.9	341	10	4.0	0.00	23.5	73
21/07/2022 18:20	3.7	345	6	4.5	0.00	23.4	74
21/07/2022 18:30	3.3	346	11	4.6	0.00	23.2	74
21/07/2022 18:40	3.7	348	7	4.8	0.00	23.3	74
21/07/2022 18:50	3.8	345	9	4.9	0.00	23.2	75
21/07/2022 19:00	3.0	330	9	3.9	0.00	23.2	75
21/07/2022 19:10	3.0	303	13	4.1	0.00	23.2	75
21/07/2022 19:20	2.6	320	11	3.6	0.00	23.3	75
21/07/2022 19:30	2.2	325	11	3.1	0.00	23.2	76
21/07/2022 19:40	2.7	323	10	3.7	0.00	23.2	77
21/07/2022 19:50	2.5	318	12	3.8	0.00	23.1	78
21/07/2022 20:00	3.7	329	10	4.8	0.00	23.1	79
21/07/2022 20:10	3.2	320	10	4.3	0.00	23.1	80
21/07/2022 20:20	3.2	325	10	4.2	0.00	23.0	81
21/07/2022 20:30	4.0	335	7	5.3	0.00	22.9	82
21/07/2022 20:40	3.2	329	9	4.3	0.00	22.9	82
21/07/2022 20:50	2.9	317	10	3.9	0.00	22.9	83
21/07/2022 21:00	2.9	317	14	4.0	0.00	22.8	82
21/07/2022 21:10	2.8	314	12	3.5	0.00	22.8	83
21/07/2022 21:20	3.2	277	10	3.8	0.00	22.8	84
21/07/2022 21:30	3.0	291	8	3.6	0.00	22.9	84
21/07/2022 21:40	3.2	306	9	4.3	0.00	22.9	84
21/07/2022 21:50	3.0	303	7	4.0	0.00	22.9	83
21/07/2022 22:00	3.2	310	7	4.0	0.00	22.9	83
21/07/2022 22:10	3.0	308	7	3.8	0.00	22.9	83
21/07/2022 22:20	2.9	312	8	3.7	0.00	22.9	84
21/07/2022 22:30	2.4	302	8	3.4	0.00	22.6	84
21/07/2022 22:40	3.0	284	13	4.2	0.00	22.5	83
21/07/2022 22:50	2.5	266	5	3.4	0.00	22.1	86
21/07/2022 23:00	2.5	263	4	3.2	0.00	21.7	89
21/07/2022 23:10	2.4	250	5	2.7	0.00	21.5	90
21/07/2022 23:20	2.9	250	4	3.6	0.00	21.3	91
21/07/2022 23:30	2.8	256	1	3.3	0.00	21.0	91
21/07/2022 23:40	2.4	259	3	3.4	0.00	21.0	92
21/07/2022 23:50	2.3	275	3	3.3	0.00	21.3	92
22/07/2022 00:00	2.4	281	3	3.0	0.00	21.4	92



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/07/2022 00:10	2.0	275	1	2.3	0.00	21.3	92
22/07/2022 00:20	2.2	278	3	2.8	0.00	21.2	92
22/07/2022 00:30	2.7	282	4	3.4	0.00	21.6	92
22/07/2022 00:40	2.4	282	3	2.7	0.00	21.7	92
22/07/2022 00:50	2.8	280	4	3.4	0.00	21.7	92
22/07/2022 01:00	2.7	278	3	3.2	0.00	21.6	92
22/07/2022 01:10	2.5	272	3	3.1	0.00	21.5	93
22/07/2022 01:20	2.6	267	2	3.3	0.00	21.2	93
22/07/2022 01:30	2.5	271	4	3.2	0.00	20.8	93
22/07/2022 01:40	2.3	273	2	2.9	0.00	21.1	94
22/07/2022 01:50	2.5	283	4	3.4	0.00	21.4	94
22/07/2022 02:00	2.6	279	4	3.4	0.00	21.3	94
22/07/2022 02:10	2.5	282	6	3.3	0.00	21.3	94
22/07/2022 02:20	2.3	288	7	3.0	0.00	21.3	94
22/07/2022 02:30	2.4	264	2	3.1	0.00	20.9	94
22/07/2022 02:40	2.4	268	3	3.0	0.00	20.7	95
22/07/2022 02:50	2.3	272	1	3.2	0.00	20.8	95
22/07/2022 03:00	2.3	264	2	2.6	0.00	20.6	95
22/07/2022 03:10	2.8	263	2	3.3	0.00	20.6	95
22/07/2022 03:20	2.6	268	1	3.3	0.00	20.6	96
22/07/2022 03:30	2.7	266	2	3.4	0.00	20.5	96
22/07/2022 03:40	2.8	258	1	3.3	0.00	20.4	96
22/07/2022 03:50	3.1	261	2	3.6	0.00	20.5	96
22/07/2022 04:00	3.3	259	2	3.7	0.00	20.4	96
22/07/2022 04:10	3.1	264	3	3.5	0.00	20.4	97
22/07/2022 04:20	2.9	271	3	3.2	0.00	20.6	97
22/07/2022 04:30	3.1	266	7	3.8	0.00	20.8	97
22/07/2022 04:40	2.5	265	7	3.2	0.00	20.6	97
22/07/2022 04:50	2.7	259	10	3.4	0.00	20.6	97
22/07/2022 05:00	2.7	258	9	3.4	0.00	20.7	97
22/07/2022 05:10	2.5	262	12	3.3	0.00	20.7	97
22/07/2022 05:20	2.6	269	11	3.3	0.00	20.5	97
22/07/2022 05:30	2.7	271	7	3.4	0.00	20.3	97
22/07/2022 05:40	2.4	268	8	3.1	0.00	20.1	97
22/07/2022 05:50	3.1	271	8	3.6	0.00	20.1	97
22/07/2022 06:00	3.0	273	8	3.6	0.00	20.1	97
22/07/2022 06:10	3.0	274	7	3.6	0.00	20.0	97
22/07/2022 06:20	2.8	274	7	3.4	0.00	20.0	97
22/07/2022 06:30	2.5	276	9	3.0	0.00	20.1	97
22/07/2022 06:40	2.8	276	5	3.5	0.00	20.1	96
22/07/2022 06:50	2.7	268	7	3.4	0.00	20.0	96
22/07/2022 07:00	2.7	269	5	3.2	0.00	20.0	96
22/07/2022 07:10	2.1	269	6	2.7	0.00	19.9	96
22/07/2022 07:20	2.2	277	6	2.9	0.10	20.1	96
22/07/2022 07:30	2.2	273	3	2.6	0.00	20.3	96
22/07/2022 07:40	2.5	270	7	3.0	0.00	20.5	96
22/07/2022 07:50	2.1	279	7	2.7	0.00	20.7	96
22/07/2022 08:00	1.9	285	7	2.6	0.00	21.0	95



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/07/2022 08:10	1.7	287	8	2.8	0.00	21.2	95
22/07/2022 08:20	0.9	282	6	1.8	0.00	21.5	94
22/07/2022 08:30	1.9	278	7	2.7	0.00	21.8	93
22/07/2022 08:40	1.7	275	8	2.5	0.00	22.2	92
22/07/2022 08:50	2.2	286	7	2.9	0.00	22.6	90
22/07/2022 09:00	1.9	292	10	2.5	0.00	23.0	87
22/07/2022 09:10	2.0	288	11	2.8	0.00	23.5	85
22/07/2022 09:20	2.1	287	8	2.9	0.00	23.8	82
22/07/2022 09:30	2.3	284	12	3.3	0.00	24.1	81
22/07/2022 09:40	2.6	272	11	3.6	0.00	24.2	80
22/07/2022 09:50	2.7	276	9	3.8	0.00	24.2	79
22/07/2022 10:00	2.7	277	9	3.6	0.00	24.6	77
22/07/2022 10:10	3.3	261	8	4.3	0.00	24.6	77
22/07/2022 10:20	4.3	263	8	5.9	0.00	24.8	77
22/07/2022 10:30	4.7	259	10	5.7	0.00	24.4	79
22/07/2022 10:40	3.9	279	12	5.2	0.00	24.5	80
22/07/2022 10:50	3.6	276	10	4.8	0.00	24.3	82
22/07/2022 11:00	3.4	277	8	4.5	0.00	24.4	81
22/07/2022 11:10	3.7	268	13	5.4	0.00	24.6	78
22/07/2022 11:20	3.3	273	14	4.4	0.00	24.9	76
22/07/2022 11:30	3.3	275	12	4.1	0.00	24.9	73
22/07/2022 11:40	3.3	259	13	4.3	0.00	25.5	71
22/07/2022 11:50	3.1	280	14	4.2	0.00	25.4	68
22/07/2022 12:00	3.1	266	10	4.4	0.00	25.9	65
22/07/2022 12:10	2.9	279	15	4.4	0.00	26.2	63
22/07/2022 12:20	2.5	289	17	4.0	0.00	26.5	62
22/07/2022 12:30	2.5	277	20	4.8	0.00	26.7	61
22/07/2022 12:40	2.8	292	16	4.5	0.00	26.5	61
22/07/2022 12:50	3.7	276	12	5.1	0.00	26.5	61
22/07/2022 13:00	3.1	294	16	4.5	0.00	26.9	64
22/07/2022 13:10	3.5	313	10	4.7	0.00	26.3	68
22/07/2022 13:20	3.6	305	17	5.0	0.00	26.4	70
22/07/2022 13:30	3.5	309	12	4.9	0.00	26.3	72
22/07/2022 13:40	3.6	300	13	5.3	0.00	26.2	72
22/07/2022 13:50	3.4	306	20	5.5	0.00	26.5	71
22/07/2022 14:00	3.9	324	13	5.5	0.00	26.8	69
22/07/2022 14:10	4.2	318	11	5.2	0.00	26.5	70
22/07/2022 14:20	3.8	308	14	5.5	0.00	26.6	70
22/07/2022 14:30	3.4	306	15	5.2	0.00	26.7	70
22/07/2022 14:40	3.8	296	14	5.3	0.00	26.8	70
22/07/2022 14:50	3.9	310	13	5.7	0.00	26.5	71
22/07/2022 15:00	4.4	314	12	5.9	0.00	26.3	72
22/07/2022 15:10	4.8	308	10	6.4	0.00	26.1	73
22/07/2022 15:20	4.8	316	9	6.2	0.00	25.8	74
22/07/2022 15:30	5.0	328	8	6.6	0.00	25.5	75
22/07/2022 15:40	5.2	323	9	6.9	0.00	25.5	75
22/07/2022 15:50	4.6	318	11	6.5	0.00	25.5	77
22/07/2022 16:00	5.1	313	10	7.0	0.00	25.3	78



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/07/2022 16:10	4.7	324	10	7.3	0.00	25.2	79
22/07/2022 16:20	4.8	317	12	6.9	0.00	25.2	79
22/07/2022 16:30	4.3	316	12	5.8	0.00	25.0	79
22/07/2022 16:40	4.1	314	13	6.5	0.00	25.1	78
22/07/2022 16:50	4.7	315	10	7.1	0.00	24.8	78
22/07/2022 17:00	4.1	297	10	5.8	0.00	24.8	78
22/07/2022 17:10	4.1	296	11	6.5	0.00	24.6	80
22/07/2022 17:20	4.7	290	10	6.2	0.00	24.3	82
22/07/2022 17:30	4.1	297	12	5.8	0.00	24.0	83
22/07/2022 17:40	4.9	289	9	6.5	0.00	23.6	84
22/07/2022 17:50	5.2	288	9	6.9	0.00	23.5	85
22/07/2022 18:00	4.4	283	9	6.5	0.00	23.4	86
22/07/2022 18:10	5.4	270	7	6.8	0.00	23.1	86
22/07/2022 18:20	5.1	262	8	6.6	0.00	23.0	85
22/07/2022 18:30	5.2	264	7	6.7	0.00	22.9	86
22/07/2022 18:40	5.5	269	6	7.1	0.00	22.8	86
22/07/2022 18:50	4.7	270	8	6.2	0.00	22.7	86
22/07/2022 19:00	4.6	272	7	5.6	0.00	22.8	85
22/07/2022 19:10	4.2	273	7	5.6	0.00	22.8	84
22/07/2022 19:20	4.5	270	6	5.7	0.00	22.8	84
22/07/2022 19:30	4.5	271	8	6.0	0.00	22.8	84
22/07/2022 19:40	4.3	271	7	5.6	0.00	22.7	84
22/07/2022 19:50	4.0	268	6	5.1	0.00	22.7	85
22/07/2022 20:00	3.6	272	7	4.7	0.00	22.6	86
22/07/2022 20:10	3.8	275	7	5.3	0.00	22.5	86
22/07/2022 20:20	4.5	275	8	5.5	0.00	22.5	86
22/07/2022 20:30	4.5	277	7	5.9	0.00	22.4	87
22/07/2022 20:40	4.5	275	7	5.8	0.00	22.4	88
22/07/2022 20:50	4.2	274	6	5.2	0.00	22.3	88
22/07/2022 21:00	4.5	272	7	5.9	0.00	22.2	89
22/07/2022 21:10	4.0	273	7	5.4	0.00	22.1	89
22/07/2022 21:20	4.3	271	7	5.5	0.00	22.0	89
22/07/2022 21:30	4.2	270	5	5.3	0.00	22.0	89
22/07/2022 21:40	4.1	270	6	5.6	0.00	22.0	89
22/07/2022 21:50	4.1	269	5	4.9	0.00	21.9	89
22/07/2022 22:00	4.2	269	5	5.3	0.00	21.9	90
22/07/2022 22:10	4.4	267	6	5.6	0.00	21.8	90
22/07/2022 22:20	4.3	267	7	5.6	0.00	21.8	89
22/07/2022 22:30	4.2	266	6	5.4	0.00	21.8	89
22/07/2022 22:40	4.4	263	6	5.6	0.00	21.8	88
22/07/2022 22:50	4.3	263	8	5.2	0.00	21.8	88
22/07/2022 23:00	4.3	263	6	5.4	0.00	21.7	87
22/07/2022 23:10	4.0	261	6	4.9	0.00	21.8	87
22/07/2022 23:20	4.3	259	7	5.5	0.00	21.8	87
22/07/2022 23:30	4.3	259	6	5.3	0.00	21.8	87
22/07/2022 23:40	3.8	260	6	4.9	0.00	21.6	88
22/07/2022 23:50	4.2	264	7	5.4	0.00	21.6	88
23/07/2022 00:00	3.6	266	7	4.5	0.00	21.6	88



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/07/2022 00:10	4.3	262	6	5.4	0.00	21.5	88
23/07/2022 00:20	4.5	259	7	5.6	0.00	21.6	88
23/07/2022 00:30	4.3	259	6	5.5	0.00	21.6	88
23/07/2022 00:40	4.2	263	7	5.6	0.00	21.5	88
23/07/2022 00:50	4.2	265	7	5.2	0.00	21.4	88
23/07/2022 01:00	4.8	264	7	6.3	0.00	21.4	88
23/07/2022 01:10	4.2	266	6	5.4	0.00	21.4	87
23/07/2022 01:20	4.0	265	6	5.1	0.00	21.4	87
23/07/2022 01:30	3.9	263	7	5.1	0.00	21.4	88
23/07/2022 01:40	3.8	265	6	5.0	0.00	21.3	88
23/07/2022 01:50	3.7	267	8	4.7	0.00	21.2	88
23/07/2022 02:00	4.0	267	6	4.9	0.00	21.2	88
23/07/2022 02:10	4.1	266	6	5.4	0.00	21.2	87
23/07/2022 02:20	3.9	260	7	4.8	0.00	21.2	86
23/07/2022 02:30	3.9	255	6	4.6	0.00	21.1	86
23/07/2022 02:40	3.6	261	7	4.9	0.00	20.8	87
23/07/2022 02:50	3.8	264	7	5.0	0.00	20.9	86
23/07/2022 03:00	4.1	263	7	5.4	0.00	21.0	84
23/07/2022 03:10	3.7	262	6	4.9	0.00	20.9	84
23/07/2022 03:20	3.5	259	6	4.3	0.00	20.9	84
23/07/2022 03:30	3.3	251	6	4.1	0.00	20.7	85
23/07/2022 03:40	3.9	249	4	4.4	0.00	20.4	86
23/07/2022 03:50	3.4	255	6	4.2	0.00	20.1	87
23/07/2022 04:00	3.0	259	4	3.6	0.00	19.8	88
23/07/2022 04:10	2.4	267	4	2.9	0.00	19.6	88
23/07/2022 04:20	2.3	274	2	2.8	0.00	19.7	89
23/07/2022 04:30	2.7	266	2	3.4	0.00	19.6	89
23/07/2022 04:40	2.7	263	2	3.3	0.00	19.3	89
23/07/2022 04:50	2.9	256	2	3.4	0.00	19.1	89
23/07/2022 05:00	2.8	266	2	3.3	0.00	19.3	90
23/07/2022 05:10	2.7	261	3	3.0	0.00	19.2	89
23/07/2022 05:20	2.5	264	2	3.0	0.00	19.1	89
23/07/2022 05:30	2.5	270	3	3.0	0.00	19.2	90
23/07/2022 05:40	2.2	262	2	2.4	0.00	19.3	89
23/07/2022 05:50	2.4	269	4	3.1	0.00	19.2	89
23/07/2022 06:00	2.5	279	3	3.0	0.00	19.4	89
23/07/2022 06:10	2.6	279	4	3.1	0.00	19.6	89
23/07/2022 06:20	3.0	272	3	3.6	0.00	19.6	88
23/07/2022 06:30	3.0	270	3	3.6	0.00	19.7	89
23/07/2022 06:40	3.3	270	3	3.7	0.00	19.7	89
23/07/2022 06:50	2.4	266	4	2.9	0.00	19.6	89
23/07/2022 07:00	2.9	255	2	3.3	0.00	19.5	89
23/07/2022 07:10	2.6	260	3	3.3	0.00	19.4	89
23/07/2022 07:20	2.8	261	4	3.3	0.00	19.5	89
23/07/2022 07:30	3.2	253	5	3.7	0.00	19.6	89
23/07/2022 07:40	3.2	252	5	3.8	0.00	19.8	89
23/07/2022 07:50	3.4	253	5	4.3	0.00	20.2	88
23/07/2022 08:00	3.3	255	7	4.7	0.00	20.7	88





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/07/2022 08:10	4.6	255	7	5.8	0.00	21.0	87
23/07/2022 08:20	4.8	253	6	5.7	0.00	21.2	86
23/07/2022 08:30	4.7	251	6	5.8	0.00	21.4	85
23/07/2022 08:40	5.2	261	10	5.9	0.00	21.4	85
23/07/2022 08:50	4.6	261	8	5.8	0.00	21.7	82
23/07/2022 09:00	4.9	268	6	5.6	0.00	21.7	82
23/07/2022 09:10	4.8	265	7	5.9	0.00	21.8	82
23/07/2022 09:20	5.0	265	6	6.2	0.00	22.2	80
23/07/2022 09:30	5.1	264	9	6.7	0.00	22.4	77
23/07/2022 09:40	5.2	264	9	6.9	0.00	22.8	73
23/07/2022 09:50	5.9	267	8	7.3	0.00	22.9	71
23/07/2022 10:00	5.8	269	8	7.3	0.00	23.0	70
23/07/2022 10:10	5.8	263	8	7.6	0.00	23.6	66
23/07/2022 10:20	5.7	259	10	7.3	0.00	23.7	64
23/07/2022 10:30	6.0	239	16	7.9	0.00	24.0	60
23/07/2022 10:40	6.5	243	13	8.8	0.00	24.2	58
23/07/2022 10:50	6.8	247	10	8.6	0.00	24.4	56
23/07/2022 11:00	7.0	250	10	9.3	0.10	24.3	58
23/07/2022 11:10	6.1	254	14	8.6	0.00	24.6	57
23/07/2022 11:20	6.1	271	10	7.8	0.00	24.7	59
23/07/2022 11:30	6.2	276	10	8.5	0.00	24.4	62
23/07/2022 11:40	6.8	276	8	8.7	0.00	23.9	63
23/07/2022 11:50	7.3	281	7	8.9	0.00	23.9	63
23/07/2022 12:00	7.2	280	8	8.9	0.00	24.1	63
23/07/2022 12:10	7.3	284	8	8.9	0.00	23.9	63
23/07/2022 12:20	7.4	275	7	9.2	0.00	23.7	64
23/07/2022 12:30	7.2	273	9	8.9	0.00	23.7	64
23/07/2022 12:40	7.0	277	8	9.0	0.00	23.7	64
23/07/2022 12:50	7.4	279	7	9.2	0.00	23.6	65
23/07/2022 13:00	7.8	280	7	9.8	0.00	23.5	67
23/07/2022 13:10	8.0	276	10	10.4	0.00	23.4	68
23/07/2022 13:20	7.8	272	9	9.9	0.00	23.7	65
23/07/2022 13:30	8.3	278	7	10.3	0.00	23.3	67
23/07/2022 13:40	8.0	274	8	10.1	0.00	23.2	67
23/07/2022 13:50	7.6	273	9	9.7	0.00	23.4	67
23/07/2022 14:00	8.4	276	7	9.9	0.00	23.2	66
23/07/2022 14:10	7.5	271	10	9.5	0.00	23.5	65
23/07/2022 14:20	7.8	273	9	10.1	0.00	23.4	64
23/07/2022 14:30	7.7	271	10	10.0	0.00	23.5	65
23/07/2022 14:40	6.9	270	12	9.3	0.00	23.7	65
23/07/2022 14:50	8.3	273	9	10.5	0.00	23.3	67
23/07/2022 15:00	7.8	274	10	10.3	0.00	23.1	67
23/07/2022 15:10	8.7	274	8	11.1	0.10	22.9	65
23/07/2022 15:20	8.8	271	10	10.9	0.00	22.8	66
23/07/2022 15:30	8.3	266	8	10.8	0.00	22.9	67
23/07/2022 15:40	7.3	271	10	10.1	0.00	23.2	66
23/07/2022 15:50	8.3	266	7	10.7	0.00	22.9	67
23/07/2022 16:00	8.2	266	8	11.0	0.00	22.7	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/07/2022 16:10	7.5	267	10	10.1	0.00	22.7	67
23/07/2022 16:20	7.0	268	9	10.5	0.00	22.7	66
23/07/2022 16:30	7.2	266	9	9.7	0.00	22.5	66
23/07/2022 16:40	7.7	266	9	10.2	0.00	22.4	65
23/07/2022 16:50	7.1	262	10	9.9	0.00	22.3	65
23/07/2022 17:00	7.0	262	9	9.0	0.00	22.3	66
23/07/2022 17:10	7.5	265	8	10.0	0.00	22.2	64
23/07/2022 17:20	5.7	263	8	8.0	0.00	22.2	65
23/07/2022 17:30	5.9	269	9	8.2	0.00	22.0	65
23/07/2022 17:40	5.8	266	9	8.4	0.00	21.8	66
23/07/2022 17:50	5.9	270	10	7.9	0.00	21.8	66
23/07/2022 18:00	5.7	266	9	7.7	0.00	21.7	67
23/07/2022 18:10	6.3	264	8	8.8	0.00	21.7	66
23/07/2022 18:20	6.2	264	9	8.7	0.00	21.8	66
23/07/2022 18:30	6.5	262	8	9.2	0.00	21.8	65
23/07/2022 18:40	5.9	258	9	7.9	0.00	21.8	65
23/07/2022 18:50	6.5	256	7	8.8	0.00	21.9	66
23/07/2022 19:00	5.7	255	7	7.2	0.00	21.8	66
23/07/2022 19:10	5.8	253	8	7.7	0.00	21.8	66
23/07/2022 19:20	6.1	251	9	8.3	0.00	21.8	65
23/07/2022 19:30	5.8	252	8	7.7	0.00	21.8	66
23/07/2022 19:40	6.1	252	8	7.7	0.00	21.7	65
23/07/2022 19:50	6.7	254	8	8.6	0.00	21.6	70
23/07/2022 20:00	6.3	252	8	8.4	0.00	21.2	73
23/07/2022 20:10	6.7	248	7	8.6	0.00	21.1	72
23/07/2022 20:20	6.3	248	8	8.4	0.00	21.1	72
23/07/2022 20:30	5.7	248	8	7.5	0.00	20.9	73
23/07/2022 20:40	5.5	251	8	7.7	0.00	20.7	73
23/07/2022 20:50	5.1	251	7	6.7	0.00	20.5	74
23/07/2022 21:00	5.1	252	8	6.5	0.00	20.4	72
23/07/2022 21:10	5.6	249	9	7.8	0.00	20.5	72
23/07/2022 21:20	5.3	249	8	6.9	0.00	20.5	72
23/07/2022 21:30	5.0	249	7	6.4	0.00	20.2	71
23/07/2022 21:40	4.8	250	7	6.1	0.00	19.8	68
23/07/2022 21:50	4.7	250	6	5.6	0.00	19.6	64
23/07/2022 22:00	4.6	250	6	5.8	0.00	19.4	62
23/07/2022 22:10	4.5	249	9	6.0	0.00	19.5	58
23/07/2022 22:20	4.3	249	9	5.8	0.00	19.5	54
23/07/2022 22:30	4.3	246	10	6.4	0.00	19.7	50
23/07/2022 22:40	4.1	246	11	5.9	0.00	19.9	46
23/07/2022 22:50	4.4	236	14	6.2	0.00	20.6	43
23/07/2022 23:00	5.6	230	10	8.0	0.00	21.2	40
23/07/2022 23:10	5.3	231	10	7.4	0.00	21.2	40
23/07/2022 23:20	5.8	229	10	7.8	0.00	21.2	40
23/07/2022 23:30	5.7	231	9	7.7	0.00	21.1	42
23/07/2022 23:40	5.2	230	11	6.6	0.00	20.9	43
23/07/2022 23:50	5.8	235	10	7.4	0.00	20.7	43
24/07/2022 00:00	5.4	235	9	7.2	0.00	20.4	43



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/07/2022 00:10	4.6	235	10	6.8	0.00	20.1	44
24/07/2022 00:20	4.9	239	9	6.7	0.00	19.9	46
24/07/2022 00:30	5.2	236	9	7.2	0.00	19.9	47
24/07/2022 00:40	5.0	232	10	6.8	0.00	19.7	48
24/07/2022 00:50	5.2	235	8	6.6	0.00	19.8	48
24/07/2022 01:00	3.9	241	11	5.9	0.00	19.2	49
24/07/2022 01:10	3.8	243	10	5.1	0.00	18.7	50
24/07/2022 01:20	3.7	247	11	5.1	0.00	18.2	51
24/07/2022 01:30	4.1	240	11	5.9	0.00	18.3	50
24/07/2022 01:40	5.3	234	11	7.5	0.00	19.4	47
24/07/2022 01:50	4.8	234	12	6.3	0.00	19.4	47
24/07/2022 02:00	5.7	233	8	7.5	0.00	19.3	47
24/07/2022 02:10	5.6	234	9	7.4	0.00	19.1	49
24/07/2022 02:20	5.6	236	8	7.3	0.00	18.9	50
24/07/2022 02:30	5.5	236	10	7.4	0.00	18.7	50
24/07/2022 02:40	5.4	234	8	6.7	0.00	18.6	52
24/07/2022 02:50	5.4	236	9	7.1	0.00	18.5	52
24/07/2022 03:00	5.3	235	9	6.9	0.00	18.4	54
24/07/2022 03:10	5.7	236	7	7.5	0.00	18.4	55
24/07/2022 03:20	5.3	236	9	6.9	0.00	18.3	55
24/07/2022 03:30	5.0	234	9	6.5	0.00	18.2	56
24/07/2022 03:40	4.5	232	10	6.1	0.00	18.1	56
24/07/2022 03:50	4.2	229	12	6.2	0.00	18.0	56
24/07/2022 04:00	4.6	229	12	6.2	0.00	17.9	58
24/07/2022 04:10	4.5	226	11	6.6	0.00	17.7	59
24/07/2022 04:20	4.2	224	14	6.4	0.00	17.5	60
24/07/2022 04:30	4.3	223	13	6.1	0.00	17.5	60
24/07/2022 04:40	4.4	223	14	6.1	0.00	17.5	60
24/07/2022 04:50	4.4	215	13	6.6	0.00	17.4	60
24/07/2022 05:00	4.5	210	13	7.3	0.00	17.3	60
24/07/2022 05:10	5.5	203	10	7.5	0.00	17.3	59
24/07/2022 05:20	6.1	205	9	7.7	0.00	17.2	59
24/07/2022 05:30	5.3	205	9	7.0	0.00	17.1	59
24/07/2022 05:40	5.3	205	9	7.1	0.00	17.0	59
24/07/2022 05:50	4.8	205	8	6.1	0.00	16.8	59
24/07/2022 06:00	4.3	203	8	5.9	0.00	16.8	60
24/07/2022 06:10	4.5	206	8	5.9	0.00	16.7	60
24/07/2022 06:20	4.8	206	9	6.2	0.00	16.9	59
24/07/2022 06:30	4.9	206	8	6.4	0.00	16.9	59
24/07/2022 06:40	5.2	208	7	6.5	0.00	17.0	58
24/07/2022 06:50	4.3	207	8	5.5	0.00	17.0	58
24/07/2022 07:00	3.5	206	8	4.8	0.00	17.0	58
24/07/2022 07:10	3.9	208	8	5.4	0.00	17.2	57
24/07/2022 07:20	3.6	209	8	4.5	0.00	17.3	57
24/07/2022 07:30	3.5	210	8	4.4	0.00	17.5	57
24/07/2022 07:40	4.0	210	7	4.9	0.00	17.7	56
24/07/2022 07:50	3.3	209	7	4.2	0.00	17.8	56
24/07/2022 08:00	3.1	202	11	4.1	0.00	18.0	55



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/07/2022 08:10	3.4	200	9	4.5	0.00	18.2	55
24/07/2022 08:20	3.8	201	11	5.4	0.00	18.5	54
24/07/2022 08:30	4.3	196	9	5.7	0.00	18.8	53
24/07/2022 08:40	4.2	191	9	6.2	0.00	19.2	53
24/07/2022 08:50	4.1	192	9	6.1	0.00	19.2	53
24/07/2022 09:00	4.1	193	11	6.1	0.00	19.5	52
24/07/2022 09:10	4.3	200	12	6.2	0.00	19.9	52
24/07/2022 09:20	4.2	188	13	6.4	0.00	20.4	50
24/07/2022 09:30	4.3	188	12	5.8	0.00	20.7	49
24/07/2022 09:40	4.2	178	12	6.2	0.00	20.8	49
24/07/2022 09:50	4.7	185	14	6.8	0.00	21.1	48
24/07/2022 10:00	4.9	175	11	7.1	0.00	21.2	47
24/07/2022 10:10	4.8	183	13	6.4	0.00	21.4	47
24/07/2022 10:20	5.1	186	14	7.0	0.00	21.7	45
24/07/2022 10:30	5.4	186	12	7.4	0.00	21.9	44
24/07/2022 10:40	4.9	182	13	7.0	0.00	22.2	43
24/07/2022 10:50	4.9	181	14	7.2	0.00	22.4	43
24/07/2022 11:00	4.9	180	11	6.9	0.00	22.6	43
24/07/2022 11:10	4.7	184	14	7.3	0.00	23.0	41
24/07/2022 11:20	4.2	180	15	6.6	0.00	23.1	41
24/07/2022 11:30	4.4	173	14	6.3	0.00	23.1	41
24/07/2022 11:40	4.6	166	20	7.9	0.00	23.1	41
24/07/2022 11:50	3.9	157	20	6.5	0.00	23.5	40
24/07/2022 12:00	3.9	167	18	6.2	0.00	23.6	40
24/07/2022 12:10	4.1	176	25	6.4	0.00	23.8	40
24/07/2022 12:20	4.2	177	16	6.6	0.00	24.2	39
24/07/2022 12:30	3.8	174	16	6.0	0.00	24.5	38
24/07/2022 12:40	3.4	162	20	5.1	0.00	24.6	37
24/07/2022 12:50	3.5	128	22	5.3	0.00	24.9	37
24/07/2022 13:00	3.1	110	16	5.1	0.00	25.1	37
24/07/2022 13:10	2.8	109	19	4.1	0.00	25.4	37
24/07/2022 13:20	2.9	118	14	4.4	0.00	25.3	37
24/07/2022 13:30	2.6	120	18	4.6	0.00	25.4	36
24/07/2022 13:40	2.6	119	23	3.9	0.00	25.7	35
24/07/2022 13:50	2.1	125	23	3.5	0.00	25.6	35
24/07/2022 14:00	2.3	104	23	4.0	0.00	26.2	34
24/07/2022 14:10	2.7	134	14	3.7	0.00	25.8	34
24/07/2022 14:20	2.2	131	19	3.8	0.00	26.1	33
24/07/2022 14:30	2.0	125	17	3.5	0.00	26.5	33
24/07/2022 14:40	2.0	120	19	3.2	0.00	26.5	33
24/07/2022 14:50	3.4	84	21	5.9	0.00	26.0	36
24/07/2022 15:00	2.3	88	24	4.0	0.00	25.9	35
24/07/2022 15:10	3.3	61	16	5.1	0.00	26.0	38
24/07/2022 15:20	2.5	44	16	3.9	0.00	25.2	39
24/07/2022 15:30	3.3	52	12	4.6	0.00	25.5	39
24/07/2022 15:40	2.8	54	14	3.6	0.00	25.7	37
24/07/2022 15:50	3.4	53	9	4.3	0.00	25.3	38
24/07/2022 16:00	3.2	49	10	4.0	0.00	25.2	38



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/07/2022 16:10	3.7	57	9	4.8	0.00	25.0	41
24/07/2022 16:20	4.6	31	12	6.0	0.00	24.9	43
24/07/2022 16:30	5.4	7	7	6.8	0.00	24.2	49
24/07/2022 16:40	5.3	183	12	6.6	0.00	23.9	50
24/07/2022 16:50	6.1	347	9	7.5	0.00	23.5	51
24/07/2022 17:00	5.7	347	7	7.1	0.00	23.3	50
24/07/2022 17:10	4.7	345	9	6.0	0.00	23.0	53
24/07/2022 17:20	5.2	349	9	6.7	0.00	22.8	53
24/07/2022 17:30	5.1	348	8	6.5	0.00	22.5	56
24/07/2022 17:40	4.9	346	7	6.2	0.00	22.2	59
24/07/2022 17:50	4.4	349	14	5.6	0.00	22.1	61
24/07/2022 18:00	4.4	348	10	5.3	0.00	22.1	63
24/07/2022 18:10	4.3	335	11	5.6	0.00	22.1	65
24/07/2022 18:20	3.8	333	8	5.6	0.00	22.1	67
24/07/2022 18:30	4.0	321	8	5.6	0.00	22.1	71
24/07/2022 18:40	3.2	300	10	4.7	0.00	22.0	73
24/07/2022 18:50	3.6	299	8	4.6	0.00	21.8	74
24/07/2022 19:00	3.4	308	9	4.9	0.00	21.8	73
24/07/2022 19:10	3.1	304	8	4.0	0.00	21.7	73
24/07/2022 19:20	3.2	301	8	4.1	0.00	21.6	72
24/07/2022 19:30	3.1	303	10	4.1	0.00	21.6	73
24/07/2022 19:40	2.8	303	8	3.8	0.00	21.5	74
24/07/2022 19:50	2.6	291	9	3.4	0.00	21.3	74
24/07/2022 20:00	2.7	279	7	3.7	0.00	21.1	76
24/07/2022 20:10	3.0	282	6	3.6	0.00	21.3	76
24/07/2022 20:20	2.5	280	7	3.2	0.00	21.2	76
24/07/2022 20:30	1.7	294	12	2.6	0.00	20.9	76
24/07/2022 20:40	2.3	294	7	2.9	0.00	21.2	76
24/07/2022 20:50	2.4	297	5	2.9	0.00	21.3	76
24/07/2022 21:00	1.6	300	9	2.3	0.00	21.2	77
24/07/2022 21:10	0.4	322	2	1.6	0.00	21.1	77
24/07/2022 21:20	1.6	307	8	3.0	0.00	21.1	78
24/07/2022 21:30	0.0	304	6	0.5	0.00	20.8	80
24/07/2022 21:40	0.0	307	2	0.2	0.00	20.5	81
24/07/2022 21:50	0.0	237	5	0.1	0.00	20.5	82
24/07/2022 22:00	0.0	233	2	0.2	0.00	20.4	83
24/07/2022 22:10	0.0	314	0	0.2	0.00	20.4	84
24/07/2022 22:20	0.0	298	9	0.3	0.00	20.3	85
24/07/2022 22:30	0.0	216	3	0.2	0.00	20.2	85
24/07/2022 22:40	0.0	235	0	0.2	0.00	20.2	86
24/07/2022 22:50	0.0	237	5	0.3	0.00	20.2	86
24/07/2022 23:00	0.0	293	3	0.2	0.00	19.9	87
24/07/2022 23:10	0.0	283	2	0.3	0.00	20.2	88
24/07/2022 23:20	0.0	256	5	0.1	0.00	19.7	88
24/07/2022 23:30	0.0	299	4	0.2	0.00	19.5	88
24/07/2022 23:40	1.9	253	4	3.4	0.00	19.0	89
24/07/2022 23:50	2.3	268	5	2.8	0.00	19.2	90
25/07/2022 00:00	1.2	239	14	2.7	0.00	19.0	91



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/07/2022 00:10	0.0	280	0	0.1	0.00	18.9	91
25/07/2022 00:20	0.4	274	4	1.2	0.00	18.3	91
25/07/2022 00:30	1.5	266	4	2.6	0.00	18.1	90
25/07/2022 00:40	0.0	206	18	0.8	0.00	18.0	89
25/07/2022 00:50	0.0	331	19	0.2	0.00	18.4	88
25/07/2022 01:00	0.1	259	21	1.3	0.00	18.5	85
25/07/2022 01:10	1.3	179	12	2.6	0.00	18.6	82
25/07/2022 01:20	1.0	49	26	2.5	0.00	18.6	78
25/07/2022 01:30	0.5	50	27	2.0	0.00	19.1	75
25/07/2022 01:40	1.2	140	40	2.9	0.00	19.3	72
25/07/2022 01:50	2.3	184	16	3.8	0.00	19.1	70
25/07/2022 02:00	2.3	154	16	3.4	0.00	19.0	68
25/07/2022 02:10	1.5	149	21	2.9	0.00	19.4	62
25/07/2022 02:20	1.9	137	20	3.5	0.00	19.9	56
25/07/2022 02:30	1.0	132	13	2.9	0.00	19.6	58
25/07/2022 02:40	1.6	121	13	3.1	0.00	19.2	59
25/07/2022 02:50	1.3	112	19	2.9	0.00	18.8	61
25/07/2022 03:00	2.2	121	18	3.8	0.00	19.4	58
25/07/2022 03:10	2.2	124	20	3.5	0.00	19.5	57
25/07/2022 03:20	2.4	122	12	3.4	0.00	19.3	59
25/07/2022 03:30	2.2	114	14	3.0	0.00	19.0	62
25/07/2022 03:40	2.1	114	11	2.9	0.00	18.9	62
25/07/2022 03:50	2.3	113	12	3.3	0.00	18.8	63
25/07/2022 04:00	1.4	116	13	2.6	0.00	18.7	63
25/07/2022 04:10	1.7	120	10	2.9	0.00	18.6	63
25/07/2022 04:20	1.9	128	10	2.8	0.00	18.6	63
25/07/2022 04:30	1.6	115	16	2.8	0.00	18.6	64
25/07/2022 04:40	1.9	122	11	2.7	0.00	18.6	64
25/07/2022 04:50	2.7	114	14	3.7	0.00	18.5	64
25/07/2022 05:00	2.7	119	10	3.7	0.00	18.3	65
25/07/2022 05:10	2.8	114	10	3.6	0.00	18.3	67
25/07/2022 05:20	3.0	113	13	4.1	0.00	18.3	66
25/07/2022 05:30	2.8	116	12	4.0	0.00	18.4	65
25/07/2022 05:40	3.5	110	11	4.9	0.00	18.4	64
25/07/2022 05:50	3.3	110	13	4.6	0.00	18.6	62
25/07/2022 06:00	3.6	103	15	5.5	0.00	18.9	59
25/07/2022 06:10	4.2	105	16	6.4	0.00	18.9	58
25/07/2022 06:20	4.0	105	14	6.2	0.00	18.8	58
25/07/2022 06:30	4.6	111	10	6.1	0.00	18.8	59
25/07/2022 06:40	4.0	113	11	5.9	0.00	18.8	59
25/07/2022 06:50	4.5	111	9	6.6	0.00	18.7	59
25/07/2022 07:00	4.6	108	12	6.7	0.00	18.7	58
25/07/2022 07:10	4.1	99	13	5.7	0.00	18.7	58
25/07/2022 07:20	4.7	95	14	6.6	0.00	18.8	58
25/07/2022 07:30	4.5	104	15	6.7	0.00	19.1	56
25/07/2022 07:40	4.6	98	14	6.5	0.00	19.4	55
25/07/2022 07:50	5.9	94	12	8.3	0.00	19.5	53
25/07/2022 08:00	6.2	95	13	9.5	0.00	19.6	52



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/07/2022 08:10	6.0	101	13	8.9	0.00	19.8	51
25/07/2022 08:20	6.0	96	13	9.1	0.00	19.9	51
25/07/2022 08:30	7.0	95	13	10.3	0.00	19.8	50
25/07/2022 08:40	6.6	97	14	10.0	0.00	20.0	49
25/07/2022 08:50	7.3	94	12	10.3	0.00	20.1	48
25/07/2022 09:00	7.4	101	13	10.6	0.00	20.3	48
25/07/2022 09:10	7.2	103	14	10.9	0.00	20.4	47
25/07/2022 09:20	6.8	98	13	9.6	0.00	20.5	47
25/07/2022 09:30	7.3	91	13	10.2	0.00	20.5	46
25/07/2022 09:40	7.1	90	11	9.9	0.00	20.7	45
25/07/2022 09:50	6.9	90	12	9.6	0.00	21.1	44
25/07/2022 10:00	6.3	93	12	9.6	0.00	21.5	43
25/07/2022 10:10	5.9	96	14	8.0	0.00	21.8	44
25/07/2022 10:20	6.5	90	13	8.9	0.00	21.8	42
25/07/2022 10:30	6.1	84	11	8.1	0.00	22.0	42
25/07/2022 10:40	7.1	85	8	9.6	0.00	22.1	42
25/07/2022 10:50	6.9	83	8	8.4	0.00	22.5	42
25/07/2022 11:00	6.5	85	10	8.5	0.00	22.7	43
25/07/2022 11:10	7.0	83	10	9.1	0.00	22.9	41
25/07/2022 11:20	6.6	82	10	8.7	0.00	22.9	42
25/07/2022 11:30	7.0	70	8	8.9	0.00	22.8	42
25/07/2022 11:40	7.9	69	7	9.7	0.00	22.5	43
25/07/2022 11:50	8.1	69	7	9.9	0.00	22.4	43
25/07/2022 12:00	8.0	75	8	10.0	0.00	22.8	43
25/07/2022 12:10	6.9	78	9	9.3	0.00	23.4	41
25/07/2022 12:20	6.3	64	12	8.6	0.00	23.4	44
25/07/2022 12:30	5.8	63	12	8.1	0.00	23.5	44
25/07/2022 12:40	6.5	63	11	8.8	0.00	23.3	43
25/07/2022 12:50	6.5	59	11	8.4	0.00	23.4	43
25/07/2022 13:00	7.2	53	8	9.0	0.00	22.9	45
25/07/2022 13:10	6.7	55	10	8.4	0.00	23.1	44
25/07/2022 13:20	6.7	59	12	9.1	0.00	23.5	42
25/07/2022 13:30	6.4	63	11	8.4	0.00	23.5	42
25/07/2022 13:40	6.3	54	9	8.1	0.00	23.7	43
25/07/2022 13:50	5.9	57	10	8.2	0.00	23.7	43
25/07/2022 14:00	5.7	55	10	7.8	0.00	23.7	43
25/07/2022 14:10	4.9	60	11	7.0	0.00	24.1	42
25/07/2022 14:20	5.4	55	11	7.0	0.00	23.9	42
25/07/2022 14:30	5.1	56	12	6.6	0.00	24.0	41
25/07/2022 14:40	5.3	56	8	6.6	0.00	24.2	40
25/07/2022 14:50	5.3	55	10	7.0	0.00	24.3	38
25/07/2022 15:00	4.9	60	10	6.1	0.00	24.4	39
25/07/2022 15:10	5.3	53	10	6.7	0.00	24.4	38
25/07/2022 15:20	4.9	52	8	6.4	0.00	24.5	38
25/07/2022 15:30	5.1	53	9	6.7	0.00	24.3	39
25/07/2022 15:40	4.9	58	10	6.8	0.00	24.5	39
25/07/2022 15:50	4.3	54	11	5.7	0.00	24.3	42
25/07/2022 16:00	4.4	54	12	5.7	0.00	24.4	43



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/07/2022 16:10	4.5	52	10	6.0	0.00	24.2	46
25/07/2022 16:20	4.8	56	8	6.0	0.00	24.2	47
25/07/2022 16:30	4.9	42	9	6.2	0.00	23.8	51
25/07/2022 16:40	4.5	41	8	5.5	0.00	23.7	50
25/07/2022 16:50	4.6	44	8	5.6	0.00	23.5	51
25/07/2022 17:00	4.7	47	7	5.8	0.00	23.4	51
25/07/2022 17:10	4.4	47	7	5.5	0.00	23.3	53
25/07/2022 17:20	4.1	48	7	5.2	0.00	23.2	52
25/07/2022 17:30	3.7	50	6	4.6	0.00	22.9	54
25/07/2022 17:40	3.3	49	7	4.1	0.00	22.4	57
25/07/2022 17:50	2.8	46	6	3.4	0.00	21.9	61
25/07/2022 18:00	2.5	42	5	3.1	0.00	21.5	63
25/07/2022 18:10	2.6	41	5	3.1	0.00	21.2	64
25/07/2022 18:20	2.5	38	5	2.9	0.00	21.0	63
25/07/2022 18:30	2.3	40	3	2.8	0.00	21.2	61
25/07/2022 18:40	1.0	44	3	1.9	0.00	21.0	61
25/07/2022 18:50	0.0	37	0	0.0	0.00	20.8	60
25/07/2022 19:00	0.0	197	14	0.0	0.00	20.8	63
25/07/2022 19:10	0.0	52	1	0.1	0.00	20.5	63
25/07/2022 19:20	0.0	57	0	0.0	0.00	20.4	63
25/07/2022 19:30	0.0	57	0	0.0	0.00	20.7	63
25/07/2022 19:40	0.0	58	0	0.0	0.00	20.8	62
25/07/2022 19:50	0.0	58	0	0.0	0.00	20.5	64
25/07/2022 20:00	0.0	180	2	0.0	0.00	20.3	64
25/07/2022 20:10	0.0	190	0	0.0	0.00	20.5	63
25/07/2022 20:20	0.0	191	0	0.1	0.00	21.2	60
25/07/2022 20:30	0.0	211	5	0.0	0.00	21.5	59
25/07/2022 20:40	0.0	270	0	0.1	0.00	21.0	60
25/07/2022 20:50	0.0	268	0	0.0	0.00	20.2	64
25/07/2022 21:00	0.0	269	0	0.0	0.00	19.7	65
25/07/2022 21:10	0.0	276	3	0.1	0.00	19.5	66
25/07/2022 21:20	0.0	327	0	0.1	0.00	20.0	65
25/07/2022 21:30	0.0	328	0	0.0	0.00	20.3	64
25/07/2022 21:40	0.0	328	0	0.1	0.00	19.7	66
25/07/2022 21:50	0.0	328	0	0.1	0.00	19.9	65
25/07/2022 22:00	0.0	328	0	0.0	0.00	20.6	63
25/07/2022 22:10	0.0	302	3	0.1	0.00	19.9	65
25/07/2022 22:20	0.0	278	0	0.1	0.00	18.8	72
25/07/2022 22:30	0.0	228	8	0.0	0.00	18.6	72
25/07/2022 22:40	0.0	243	0	0.1	0.00	18.8	72
25/07/2022 22:50	0.0	237	2	0.1	0.00	18.7	72
25/07/2022 23:00	0.0	244	6	0.1	0.00	18.5	73
25/07/2022 23:10	0.4	272	2	1.2	0.00	18.5	72
25/07/2022 23:20	1.0	275	6	1.9	0.00	18.7	73
25/07/2022 23:30	0.4	280	2	1.0	0.00	18.5	74
25/07/2022 23:40	0.0	283	0	0.2	0.00	18.3	74
25/07/2022 23:50	0.0	307	4	0.0	0.00	18.4	74
26/07/2022 00:00	0.0	350	1	0.3	0.00	18.6	73





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/07/2022 00:10	0.0	7	0	0.1	0.00	18.3	73
26/07/2022 00:20	0.0	29	2	0.1	0.00	18.1	74
26/07/2022 00:30	0.0	30	19	0.1	0.00	18.2	74
26/07/2022 00:40	0.0	70	9	0.6	0.00	18.5	73
26/07/2022 00:50	0.0	130	10	0.3	0.00	18.7	72
26/07/2022 01:00	0.0	136	7	0.2	0.00	18.8	71
26/07/2022 01:10	0.0	66	0	0.1	0.00	18.8	71
26/07/2022 01:20	0.2	91	5	2.1	0.00	18.9	71
26/07/2022 01:30	0.0	29	1	0.4	0.00	19.0	70
26/07/2022 01:40	0.0	14	2	0.3	0.00	18.7	71
26/07/2022 01:50	0.3	27	7	1.7	0.00	18.8	70
26/07/2022 02:00	1.1	33	7	2.3	0.00	17.9	72
26/07/2022 02:10	1.9	76	13	2.8	0.00	18.0	74
26/07/2022 02:20	1.1	99	17	2.5	0.00	18.3	74
26/07/2022 02:30	0.8	82	25	2.6	0.00	18.2	74
26/07/2022 02:40	2.0	62	15	2.7	0.00	17.9	75
26/07/2022 02:50	0.9	86	11	2.7	0.00	18.2	75
26/07/2022 03:00	1.5	105	18	3.5	0.00	18.2	76
26/07/2022 03:10	1.8	113	12	2.9	0.00	18.2	76
26/07/2022 03:20	1.8	106	22	3.0	0.00	18.2	76
26/07/2022 03:30	2.5	104	15	3.5	0.00	17.7	77
26/07/2022 03:40	2.6	102	18	3.6	0.00	17.7	77
26/07/2022 03:50	2.6	104	15	3.7	0.00	17.7	77
26/07/2022 04:00	3.2	116	8	4.2	0.00	18.4	73
26/07/2022 04:10	2.4	112	10	3.4	0.00	18.8	65
26/07/2022 04:20	2.5	116	11	3.7	0.00	18.6	63
26/07/2022 04:30	3.1	120	6	4.0	0.00	18.9	60
26/07/2022 04:40	2.7	120	9	3.6	0.00	19.0	62
26/07/2022 04:50	2.9	121	10	4.4	0.00	18.9	60
26/07/2022 05:00	3.6	117	8	5.0	0.00	19.3	54
26/07/2022 05:10	3.6	117	8	4.8	0.00	19.3	52
26/07/2022 05:20	3.2	109	12	4.6	0.00	19.3	52
26/07/2022 05:30	3.2	110	9	5.0	0.00	19.0	52
26/07/2022 05:40	3.3	100	13	5.0	0.00	18.8	52
26/07/2022 05:50	3.0	104	15	4.4	0.00	19.0	49
26/07/2022 06:00	3.1	107	14	4.9	0.00	18.8	49
26/07/2022 06:10	2.6	99	14	4.5	0.00	18.3	52
26/07/2022 06:20	3.0	105	14	5.1	0.00	18.5	52
26/07/2022 06:30	3.4	106	13	6.0	0.00	18.9	50
26/07/2022 06:40	3.2	105	13	4.7	0.00	19.0	49
26/07/2022 06:50	2.8	97	14	4.4	0.00	18.7	49
26/07/2022 07:00	3.6	98	16	5.9	0.00	18.7	49
26/07/2022 07:10	3.1	95	13	5.1	0.00	18.9	48
26/07/2022 07:20	3.9	93	14	5.8	0.00	18.9	48
26/07/2022 07:30	4.1	92	12	6.0	0.00	19.6	46
26/07/2022 07:40	3.1	94	14	4.5	0.00	19.6	46
26/07/2022 07:50	3.4	98	14	5.2	0.00	19.8	45
26/07/2022 08:00	3.8	112	12	5.4	0.00	20.0	46



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/07/2022 08:10	4.3	110	11	6.0	0.00	20.1	44
26/07/2022 08:20	4.0	110	13	5.8	0.00	20.1	45
26/07/2022 08:30	3.9	110	12	5.4	0.00	20.2	44
26/07/2022 08:40	3.7	101	14	5.3	0.00	20.4	43
26/07/2022 08:50	3.9	111	13	5.4	0.00	20.6	43
26/07/2022 09:00	3.7	102	15	5.9	0.00	20.9	42
26/07/2022 09:10	4.4	83	9	5.5	0.00	20.7	43
26/07/2022 09:20	3.9	83	10	5.3	0.00	21.0	44
26/07/2022 09:30	4.8	83	7	6.3	0.00	21.6	43
26/07/2022 09:40	4.8	84	9	6.8	0.00	22.4	42
26/07/2022 09:50	5.5	87	10	7.5	0.00	22.8	41
26/07/2022 10:00	5.6	87	10	6.9	0.00	22.7	42
26/07/2022 10:10	5.7	86	8	7.2	0.00	22.8	42
26/07/2022 10:20	5.5	87	10	7.1	0.00	23.0	43
26/07/2022 10:30	4.7	98	16	6.8	0.00	23.5	40
26/07/2022 10:40	5.0	98	15	6.8	0.00	23.6	39
26/07/2022 10:50	5.1	92	14	7.3	0.00	23.8	40
26/07/2022 11:00	5.4	83	9	7.3	0.00	23.9	39
26/07/2022 11:10	5.6	79	8	7.4	0.00	23.8	39
26/07/2022 11:20	5.6	83	9	7.4	0.00	24.0	40
26/07/2022 11:30	6.0	81	9	7.7	0.00	24.3	37
26/07/2022 11:40	6.0	73	10	7.8	0.00	24.4	36
26/07/2022 11:50	6.2	68	8	7.6	0.00	24.0	37
26/07/2022 12:00	6.5	68	7	7.8	0.00	24.0	39
26/07/2022 12:10	6.3	68	7	7.7	0.00	24.1	40
26/07/2022 12:20	5.9	70	8	7.7	0.00	24.4	39
26/07/2022 12:30	5.6	68	7	7.5	0.00	24.4	40
26/07/2022 12:40	5.6	72	9	7.4	0.00	24.5	38
26/07/2022 12:50	5.3	74	11	7.1	0.00	24.6	37
26/07/2022 13:00	4.8	73	9	6.2	0.00	24.9	39
26/07/2022 13:10	3.7	101	17	5.6	0.00	25.5	39
26/07/2022 13:20	3.9	111	11	5.9	0.00	25.2	41
26/07/2022 13:30	3.4	92	16	5.1	0.00	25.5	41
26/07/2022 13:40	3.3	86	14	4.8	0.00	26.0	38
26/07/2022 13:50	3.0	86	17	4.7	0.00	25.9	35
26/07/2022 14:00	3.1	83	15	4.5	0.00	26.5	32
26/07/2022 14:10	2.2	110	16	3.3	0.00	27.0	31
26/07/2022 14:20	2.6	131	15	3.6	0.00	27.2	27
26/07/2022 14:30	2.7	124	10	4.0	0.00	27.3	27
26/07/2022 14:40	2.7	104	15	4.1	0.00	27.7	25
26/07/2022 14:50	3.6	119	6	4.6	0.00	27.2	24
26/07/2022 15:00	2.9	111	19	4.3	0.00	27.6	25
26/07/2022 15:10	2.5	116	20	4.1	0.00	27.8	24
26/07/2022 15:20	2.8	85	17	4.1	0.00	27.6	25
26/07/2022 15:30	2.2	73	19	3.7	0.00	27.8	25
26/07/2022 15:40	2.3	77	21	3.3	0.00	27.7	28
26/07/2022 15:50	2.6	65	20	3.9	0.00	27.4	33
26/07/2022 16:00	3.1	49	13	4.6	0.00	26.7	36



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/07/2022 16:10	3.1	40	10	4.0	0.00	26.5	35
26/07/2022 16:20	3.3	46	8	4.1	0.00	26.4	35
26/07/2022 16:30	3.1	46	8	3.8	0.00	26.3	36
26/07/2022 16:40	3.2	43	8	4.2	0.00	26.2	36
26/07/2022 16:50	3.3	43	6	4.1	0.00	25.8	38
26/07/2022 17:00	2.6	38	9	3.3	0.00	25.6	39
26/07/2022 17:10	2.4	39	6	3.0	0.00	25.3	39
26/07/2022 17:20	2.2	37	7	2.9	0.00	24.9	40
26/07/2022 17:30	1.9	33	7	2.8	0.00	24.5	41
26/07/2022 17:40	1.1	42	6	2.0	0.00	24.1	42
26/07/2022 17:50	1.6	45	4	2.2	0.00	23.5	44
26/07/2022 18:00	2.3	42	5	2.7	0.00	23.0	44
26/07/2022 18:10	2.2	42	4	2.6	0.00	23.0	43
26/07/2022 18:20	1.9	34	5	2.5	0.00	22.7	44
26/07/2022 18:30	1.5	35	4	2.2	0.00	22.5	43
26/07/2022 18:40	2.0	36	4	2.4	0.00	22.4	44
26/07/2022 18:50	1.9	40	4	2.3	0.00	22.1	45
26/07/2022 19:00	1.0	41	25	2.5	0.00	21.8	47
26/07/2022 19:10	0.0	125	0	0.0	0.00	22.3	46
26/07/2022 19:20	0.0	124	0	0.0	0.00	22.0	47
26/07/2022 19:30	0.0	115	0	0.0	0.00	21.1	49
26/07/2022 19:40	0.0	108	0	0.0	0.00	21.1	49
26/07/2022 19:50	0.0	108	0	0.0	0.00	21.0	48
26/07/2022 20:00	0.0	108	0	0.0	0.00	21.0	49
26/07/2022 20:10	0.0	109	0	0.0	0.00	21.2	49
26/07/2022 20:20	0.0	76	0	0.0	0.00	21.6	48
26/07/2022 20:30	0.0	137	0	0.0	0.00	21.5	48
26/07/2022 20:40	0.0	127	2	0.0	0.00	21.0	50
26/07/2022 20:50	0.0	76	0	0.0	0.00	21.0	50
26/07/2022 21:00	0.0	76	0	0.0	0.00	20.5	51
26/07/2022 21:10	0.0	75	0	0.0	0.00	20.7	51
26/07/2022 21:20	0.0	77	12	0.0	0.00	19.6	55
26/07/2022 21:30	0.0	254	0	0.0	0.00	19.7	54
26/07/2022 21:40	0.0	256	0	0.0	0.00	20.6	51
26/07/2022 21:50	0.0	257	0	0.0	0.00	21.3	49
26/07/2022 22:00	0.0	262	7	0.0	0.00	19.7	54
26/07/2022 22:10					0.00	19.1	59
26/07/2022 22:20	0.0	26	0	0.0	0.00	19.2	59
26/07/2022 22:30	0.0	27	0	0.0	0.00	19.3	58
26/07/2022 22:40	0.0	26	0	0.0	0.00	19.6	57
26/07/2022 22:50	0.0	26	0	0.0	0.00	19.2	58
26/07/2022 23:00	0.0	23	0	0.0	0.00	19.6	56
26/07/2022 23:10	0.0	122	3	0.0	0.00	19.7	56
26/07/2022 23:20	0.0	204	0	0.0	0.00	18.7	60
26/07/2022 23:30	0.0	238	4	0.0	0.00	18.6	59
26/07/2022 23:40	0.0	248	0	0.0	0.00	18.3	63
26/07/2022 23:50	0.0	247	0	0.0	0.00	18.8	58
27/07/2022 00:00	0.0	83	7	0.0	0.00	19.4	52



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/07/2022 00:10	0.0	108	3	0.3	0.00	19.9	50
27/07/2022 00:20	0.0	37	2	0.0	0.00	20.6	49
27/07/2022 00:30	0.0	29	0	0.0	0.00	20.7	51
27/07/2022 00:40	0.0	48	2	0.7	0.00	20.0	55
27/07/2022 00:50	0.1	63	11	0.5	0.00	19.5	59
27/07/2022 01:00	0.3	77	13	1.6	0.00	19.6	57
27/07/2022 01:10	0.0	92	5	0.5	0.00	19.3	57
27/07/2022 01:20	0.0	40	3	0.5	0.00	18.6	61
27/07/2022 01:30	0.0	54	10	0.1	0.00	18.3	64
27/07/2022 01:40	0.0	123	3	0.0	0.00	18.2	62
27/07/2022 01:50	0.0	168	0	0.0	0.00	18.7	57
27/07/2022 02:00	0.0	100	1	0.0	0.00	18.8	55
27/07/2022 02:10	0.2	97	11	1.8	0.00	19.3	50
27/07/2022 02:20	0.9	53	8	2.3	0.00	18.6	51
27/07/2022 02:30	2.2	53	9	3.0	0.00	18.9	49
27/07/2022 02:40	0.9	52	6	2.5	0.00	18.3	51
27/07/2022 02:50	0.2	123	2	1.2	0.00	18.8	47
27/07/2022 03:00	0.4	101	7	2.0	0.00	19.4	44
27/07/2022 03:10	0.5	105	8	1.1	0.00	19.4	45
27/07/2022 03:20	1.2	102	24	2.2	0.00	20.1	44
27/07/2022 03:30	0.6	64	15	2.2	0.00	19.5	45
27/07/2022 03:40	2.6	41	7	3.1	0.00	18.9	47
27/07/2022 03:50	1.1	71	12	2.6	0.00	19.4	47
27/07/2022 04:00	0.0	117	6	0.0	0.00	19.3	45
27/07/2022 04:10	0.0	115	4	0.0	0.00	19.0	45
27/07/2022 04:20	0.9	32	4	1.9	0.00	18.7	45
27/07/2022 04:30	2.1	42	10	2.9	0.00	19.3	42
27/07/2022 04:40	2.0	47	9	2.7	0.00	19.2	42
27/07/2022 04:50	0.1	70	10	0.7	0.00	18.7	44
27/07/2022 05:00	0.1	80	3	0.8	0.00	18.4	45
27/07/2022 05:10	0.1	35	2	1.0	0.00	17.7	49
27/07/2022 05:20	0.0	85	1	0.8	0.00	18.4	49
27/07/2022 05:30	0.0	97	3	0.0	0.00	18.6	48
27/07/2022 05:40	0.0	90	3	0.0	0.00	18.0	50
27/07/2022 05:50	1.1	89	10	1.6	0.00	17.8	51
27/07/2022 06:00	1.3	44	8	2.6	0.00	17.5	54
27/07/2022 06:10	1.3	71	31	2.9	0.00	18.0	54
27/07/2022 06:20	1.3	69	23	2.9	0.00	17.9	56
27/07/2022 06:30	0.9	88	23	2.5	0.00	17.9	59
27/07/2022 06:40	1.2	40	13	2.5	0.00	17.4	63
27/07/2022 06:50	0.1	93	26	2.6	0.00	17.2	64
27/07/2022 07:00	0.1	86	8	1.8	0.00	17.3	63
27/07/2022 07:10	0.9	58	31	3.0	0.00	17.7	62
27/07/2022 07:20	0.9	77	23	2.5	0.00	18.0	62
27/07/2022 07:30	0.9	74	24	2.8	0.00	18.7	60
27/07/2022 07:40	1.4	91	21	3.1	0.00	19.3	58
27/07/2022 07:50	2.3	102	15	3.1	0.00	20.0	56
27/07/2022 08:00	2.4	103	15	3.5	0.00	20.3	57



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/07/2022 08:10	2.6	96	15	3.7	0.00	20.6	53
27/07/2022 08:20	2.6	107	13	3.8	0.00	20.8	50
27/07/2022 08:30	3.0	107	13	4.2	0.00	21.2	47
27/07/2022 08:40	2.9	107	10	4.2	0.00	21.7	45
27/07/2022 08:50	3.4	111	9	4.4	0.00	21.8	45
27/07/2022 09:00	3.7	112	8	4.7	0.00	21.8	44
27/07/2022 09:10	3.7	111	10	5.0	0.00	21.9	44
27/07/2022 09:20	3.5	108	10	4.9	0.00	22.2	45
27/07/2022 09:30	3.8	110	10	5.5	0.00	22.2	43
27/07/2022 09:40	3.4	109	12	4.7	0.00	22.8	42
27/07/2022 09:50	3.4	112	12	4.9	0.00	23.2	41
27/07/2022 10:00	3.1	100	14	4.5	0.00	24.0	39
27/07/2022 10:10	3.1	110	13	4.4	0.00	24.3	37
27/07/2022 10:20	2.9	105	14	4.3	0.00	24.6	37
27/07/2022 10:30	3.3	81	12	4.4	0.00	24.8	37
27/07/2022 10:40	4.6	73	8	6.0	0.00	25.1	34
27/07/2022 10:50	5.3	78	10	7.0	0.00	25.7	32
27/07/2022 11:00	5.7	75	11	7.9	0.00	25.6	34
27/07/2022 11:10	6.3	75	9	8.1	0.00	25.2	36
27/07/2022 11:20	5.7	74	9	7.5	0.00	25.2	34
27/07/2022 11:30	4.9	69	12	6.7	0.00	25.3	38
27/07/2022 11:40	5.0	61	11	6.7	0.00	25.2	39
27/07/2022 11:50	4.9	59	12	7.0	0.00	25.2	39
27/07/2022 12:00	4.7	65	12	6.4	0.00	25.4	39
27/07/2022 12:10	4.9	70	10	6.7	0.00	25.3	38
27/07/2022 12:20	5.5	76	11	7.5	0.00	25.6	37
27/07/2022 12:30	5.0	76	10	6.7	0.00	25.7	38
27/07/2022 12:40	4.8	77	11	6.6	0.00	26.0	38
27/07/2022 12:50	4.8	73	9	6.8	0.00	26.3	37
27/07/2022 13:00	5.2	74	11	6.8	0.00	26.5	35
27/07/2022 13:10	5.5	73	8	7.2	0.00	26.5	34
27/07/2022 13:20	5.4	77	11	7.2	0.00	26.9	34
27/07/2022 13:30	5.3	72	11	6.9	0.00	27.4	32
27/07/2022 13:40	5.4	73	10	6.9	0.00	27.6	32
27/07/2022 13:50	5.4	74	9	6.9	0.00	27.6	32
27/07/2022 14:00	5.4	84	9	7.5	0.00	28.0	30
27/07/2022 14:10	5.7	80	10	7.3	0.00	27.7	31
27/07/2022 14:20	5.4	81	9	7.4	0.00	28.1	30
27/07/2022 14:30	5.0	79	10	6.5	0.00	28.4	28
27/07/2022 14:40	5.0	76	10	6.2	0.00	28.4	29
27/07/2022 14:50	5.2	71	7	6.3	0.00	28.2	29
27/07/2022 15:00	4.7	74	9	5.9	0.00	28.6	27
27/07/2022 15:10	4.7	74	10	6.0	0.00	28.8	27
27/07/2022 15:20	5.2	74	8	7.3	0.00	28.7	27
27/07/2022 15:30	5.6	78	8	7.0	0.00	28.9	27
27/07/2022 15:40	5.6	80	8	7.1	0.00	28.7	27
27/07/2022 15:50	5.1	78	9	6.8	0.00	28.9	27
27/07/2022 16:00	5.5	74	7	6.8	0.00	28.3	28



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/07/2022 16:10	5.1	80	8	6.9	0.00	28.3	28
27/07/2022 16:20	5.0	79	8	6.4	0.00	28.2	27
27/07/2022 16:30	4.3	79	7	6.1	0.00	28.1	28
27/07/2022 16:40	4.5	77	8	5.6	0.00	27.9	28
27/07/2022 16:50	4.9	78	8	6.6	0.00	27.6	30
27/07/2022 17:00	5.0	76	9	6.4	0.00	27.1	32
27/07/2022 17:10	4.5	77	9	6.1	0.00	26.8	35
27/07/2022 17:20	4.0	75	7	5.0	0.00	26.4	37
27/07/2022 17:30	4.3	76	7	5.4	0.00	26.1	39
27/07/2022 17:40	3.7	72	7	4.7	0.00	25.6	41
27/07/2022 17:50	3.4	74	7	4.6	0.00	25.2	42
27/07/2022 18:00	3.2	67	7	4.3	0.00	24.7	45
27/07/2022 18:10	3.1	60	5	3.7	0.00	23.8	49
27/07/2022 18:20	3.1	57	5	4.1	0.00	23.5	52
27/07/2022 18:30	3.1	59	5	3.8	0.00	23.3	53
27/07/2022 18:40	3.1	58	5	4.1	0.00	23.1	55
27/07/2022 18:50	3.1	58	3	3.5	0.00	22.7	57
27/07/2022 19:00	3.0	58	4	3.6	0.00	22.4	60
27/07/2022 19:10	3.1	57	6	4.0	0.00	22.4	62
27/07/2022 19:20	2.9	57	6	3.6	0.00	22.4	64
27/07/2022 19:30	2.6	58	4	3.1	0.00	22.1	68
27/07/2022 19:40	2.1	53	5	2.6	0.00	21.5	70
27/07/2022 19:50	2.1	44	3	2.5	0.00	21.3	73
27/07/2022 20:00	2.7	51	3	3.0	0.00	21.3	74
27/07/2022 20:10	2.5	43	5	2.9	0.00	21.2	76
27/07/2022 20:20	3.1	36	3	3.4	0.00	21.7	77
27/07/2022 20:30	2.7	40	4	3.1	0.00	21.9	77
27/07/2022 20:40	2.0	53	4	2.7	0.00	21.7	78
27/07/2022 20:50	1.2	72	5	1.9	0.00	21.7	79
27/07/2022 21:00	1.3	47	11	2.4	0.00	21.7	81
27/07/2022 21:10	0.9	53	7	1.9	0.00	21.6	84
27/07/2022 21:20	1.4	67	4	1.9	0.00	21.5	85
27/07/2022 21:30	0.8	71	2	1.7	0.00	21.3	86
27/07/2022 21:40	0.0	65	1	0.1	0.00	21.2	87
27/07/2022 21:50	0.0	81	1	0.1	0.00	21.2	88
27/07/2022 22:00	1.8	55	6	2.8	0.00	21.3	89
27/07/2022 22:10	1.9	55	6	2.8	0.00	21.2	89
27/07/2022 22:20	1.8	59	5	2.5	0.00	20.9	90
27/07/2022 22:30	2.0	54	5	2.5	0.00	20.7	91
27/07/2022 22:40	2.1	56	6	2.9	0.00	20.9	92
27/07/2022 22:50	2.4	59	6	3.1	0.00	20.7	92
27/07/2022 23:00	1.9	54	6	2.6	0.00	20.4	93
27/07/2022 23:10	2.3	50	5	3.0	0.00	20.4	93
27/07/2022 23:20	2.4	57	4	3.0	0.00	20.2	93
27/07/2022 23:30	2.5	55	5	2.9	0.00	20.3	93
27/07/2022 23:40	2.5	54	6	3.2	0.00	20.2	93
27/07/2022 23:50	2.5	49	6	3.6	0.00	20.1	93
28/07/2022 00:00	2.6	51	9	3.3	0.00	20.0	93



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/07/2022 00:10	2.1	51	7	2.7	0.00	19.9	93
28/07/2022 00:20	2.3	41	6	2.9	0.00	19.8	93
28/07/2022 00:30	2.4	41	6	3.1	0.00	19.7	93
28/07/2022 00:40	2.3	45	15	3.1	0.00	19.9	93
28/07/2022 00:50	2.5	43	5	3.1	0.00	20.1	93
28/07/2022 01:00	2.2	40	5	2.8	0.00	19.9	92
28/07/2022 01:10	2.6	38	5	3.4	0.00	20.0	92
28/07/2022 01:20	2.2	48	4	3.2	0.00	20.0	92
28/07/2022 01:30	2.6	53	4	3.2	0.00	19.6	92
28/07/2022 01:40	2.8	50	4	3.5	0.00	19.5	92
28/07/2022 01:50	2.9	55	7	3.5	0.00	19.4	91
28/07/2022 02:00	2.6	58	6	3.3	0.00	19.3	91
28/07/2022 02:10	1.8	44	6	2.7	0.00	19.1	90
28/07/2022 02:20	0.1	48	8	0.8	0.00	19.0	90
28/07/2022 02:30	0.0	56	0	0.0	0.00	18.8	90
28/07/2022 02:40	0.0	53	0	0.1	0.00	18.7	90
28/07/2022 02:50	0.0	70	0	0.1	0.00	18.6	90
28/07/2022 03:00	0.0	88	3	0.1	0.00	18.4	91
28/07/2022 03:10	0.0	23	1	0.2	0.00	18.4	91
28/07/2022 03:20	0.0	113	2	0.1	0.00	18.3	91
28/07/2022 03:30	0.0	114	3	0.0	0.00	18.3	91
28/07/2022 03:40	0.0	96	0	0.1	0.00	18.2	91
28/07/2022 03:50	0.1	90	3	0.9	0.00	18.1	91
28/07/2022 04:00	0.8	71	9	2.1	0.00	18.0	90
28/07/2022 04:10	2.7	60	5	3.4	0.00	18.2	90
28/07/2022 04:20	1.7	65	8	2.9	0.00	18.3	87
28/07/2022 04:30	2.2	42	7	2.7	0.00	18.1	86
28/07/2022 04:40	2.4	40	9	3.2	0.00	18.2	86
28/07/2022 04:50	1.8	56	5	2.6	0.00	17.9	85
28/07/2022 05:00	2.6	47	4	3.0	0.00	18.3	85
28/07/2022 05:10	2.3	43	6	3.0	0.00	18.8	82
28/07/2022 05:20	1.0	42	5	2.4	0.00	18.4	81
28/07/2022 05:30	0.0	38	1	0.0	0.00	17.9	82
28/07/2022 05:40	0.0	51	3	0.3	0.00	17.8	83
28/07/2022 05:50	1.4	70	13	2.3	0.00	17.8	83
28/07/2022 06:00	1.9	72	13	2.9	0.00	18.0	83
28/07/2022 06:10	2.1	79	9	2.9	0.00	18.2	81
28/07/2022 06:20	2.0	87	8	2.6	0.00	18.3	80
28/07/2022 06:30	1.9	73	9	2.9	0.00	18.3	80
28/07/2022 06:40	1.9	64	7	2.5	0.00	18.5	80
28/07/2022 06:50	1.7	54	14	2.5	0.00	18.5	79
28/07/2022 07:00	0.2	17	5	0.6	0.00	18.0	80
28/07/2022 07:10	0.3	52	12	2.0	0.00	18.2	82
28/07/2022 07:20	0.7	60	6	2.1	0.00	18.4	82
28/07/2022 07:30	2.5	78	8	3.7	0.00	19.0	83
28/07/2022 07:40	3.4	82	6	4.2	0.00	19.8	81
28/07/2022 07:50	3.8	86	7	4.9	0.00	20.5	76
28/07/2022 08:00	4.1	82	6	5.6	0.00	20.9	70



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/07/2022 08:10	4.9	80	7	6.0	0.00	21.4	63
28/07/2022 08:20	5.0	82	6	6.2	0.00	21.9	59
28/07/2022 08:30	5.2	81	7	6.6	0.00	22.2	57
28/07/2022 08:40	6.1	80	7	7.7	0.00	22.4	54
28/07/2022 08:50	5.9	81	9	7.5	0.00	22.6	53
28/07/2022 09:00	5.7	84	9	7.6	0.00	22.7	54
28/07/2022 09:10	6.1	87	8	8.2	0.00	22.7	53
28/07/2022 09:20	6.2	88	7	7.8	0.00	22.5	56
28/07/2022 09:30	5.5	87	8	7.4	0.00	22.8	58
28/07/2022 09:40	5.2	84	11	6.9	0.00	23.2	59
28/07/2022 09:50	5.6	87	10	7.7	0.00	23.3	60
28/07/2022 10:00	5.9	84	8	7.9	0.00	23.4	62
28/07/2022 10:10	5.8	88	9	7.7	0.00	23.3	63
28/07/2022 10:20	5.8	89	10	7.3	0.00	23.4	64
28/07/2022 10:30	5.3	90	10	7.2	0.00	23.6	64
28/07/2022 10:40	6.0	85	7	8.0	0.00	23.8	62
28/07/2022 10:50	6.8	85	8	8.7	0.00	24.0	59
28/07/2022 11:00	5.9	84	9	8.0	0.00	24.4	59
28/07/2022 11:10	5.4	85	12	7.5	0.00	24.7	60
28/07/2022 11:20	6.1	84	8	7.6	0.00	24.5	61
28/07/2022 11:30	6.1	82	10	8.0	0.00	24.3	63
28/07/2022 11:40	5.6	80	11	7.0	0.00	24.5	63
28/07/2022 11:50	5.5	80	10	6.8	0.00	24.6	63
28/07/2022 12:00	5.3	75	8	6.4	0.00	24.6	65
28/07/2022 12:10	5.3	80	10	7.1	0.00	24.8	65
28/07/2022 12:20	5.3	70	10	6.7	0.00	24.7	66
28/07/2022 12:30	6.3	75	9	7.9	0.00	24.5	67
28/07/2022 12:40	6.5	81	6	8.2	0.00	24.4	68
28/07/2022 12:50	5.8	74	8	7.1	0.00	24.3	70
28/07/2022 13:00	5.8	73	8	7.2	0.00	24.1	71
28/07/2022 13:10	5.9	76	7	7.3	0.00	24.2	72
28/07/2022 13:20	4.8	75	10	6.2	0.00	24.4	72
28/07/2022 13:30	4.7	72	9	6.0	0.00	24.6	71
28/07/2022 13:40	5.2	74	9	6.5	0.00	24.5	73
28/07/2022 13:50	5.8	81	8	6.8	0.00	24.8	72
28/07/2022 14:00	5.1	64	13	6.3	0.00	25.1	72
28/07/2022 14:10	5.6	52	10	7.5	0.00	25.0	73
28/07/2022 14:20	4.9	54	10	6.7	0.00	25.1	74
28/07/2022 14:30	5.0	61	15	6.7	0.00	25.1	74
28/07/2022 14:40	4.8	78	10	6.3	0.00	24.9	75
28/07/2022 14:50	4.5	72	12	5.8	0.00	25.2	75
28/07/2022 15:00	5.4	83	8	6.9	0.00	25.0	76
28/07/2022 15:10	5.5	83	7	6.5	0.00	24.9	76
28/07/2022 15:20	5.2	80	8	6.5	0.00	24.9	77
28/07/2022 15:30	4.6	78	8	7.0	0.00	25.0	77
28/07/2022 15:40	4.9	75	9	6.8	0.00	24.8	78
28/07/2022 15:50	4.6	76	10	6.0	0.00	24.9	79
28/07/2022 16:00	4.5	58	10	5.9	0.00	25.0	79





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/07/2022 16:10	4.4	58	11	5.6	0.00	24.9	79
28/07/2022 16:20	4.5	60	9	6.0	0.00	24.9	79
28/07/2022 16:30	4.2	65	10	5.7	0.00	25.1	79
28/07/2022 16:40	4.0	75	9	5.3	0.00	25.0	79
28/07/2022 16:50	2.6	98	15	3.9	0.00	24.8	80
28/07/2022 17:00	2.6	107	13	4.4	0.00	24.5	83
28/07/2022 17:10	2.6	92	16	4.1	0.00	24.1	84
28/07/2022 17:20	2.5	97	16	3.8	0.00	23.9	85
28/07/2022 17:30	2.6	109	13	4.0	0.00	23.6	86
28/07/2022 17:40	3.0	90	12	4.4	0.00	23.2	87
28/07/2022 17:50	2.9	83	9	3.9	0.00	23.0	88
28/07/2022 18:00	2.5	82	11	3.2	0.00	22.9	88
28/07/2022 18:10	2.9	73	8	4.2	0.00	22.7	89
28/07/2022 18:20	2.5	67	8	3.4	0.00	22.6	89
28/07/2022 18:30	2.6	67	11	3.8	0.00	22.4	90
28/07/2022 18:40	3.2	70	7	4.2	0.00	22.3	90
28/07/2022 18:50	3.3	75	7	4.6	0.00	22.4	89
28/07/2022 19:00	3.0	79	8	4.5	0.00	22.5	88
28/07/2022 19:10	2.7	79	8	3.8	0.00	22.5	87
28/07/2022 19:20	3.2	81	8	4.7	0.00	22.4	88
28/07/2022 19:30	3.0	86	10	4.2	0.00	22.3	88
28/07/2022 19:40	2.9	73	10	4.1	0.00	22.2	88
28/07/2022 19:50	3.0	59	9	4.1	0.00	22.0	89
28/07/2022 20:00	2.5	58	7	3.6	0.00	21.8	89
28/07/2022 20:10	2.8	59	6	3.5	0.00	21.7	90
28/07/2022 20:20	2.5	66	6	3.1	0.00	21.6	91
28/07/2022 20:30	1.1	42	7	1.6	0.00	21.4	92
28/07/2022 20:40	1.6	38	4	2.4	0.00	21.4	92
28/07/2022 20:50	1.1	43	1	2.0	0.00	21.4	93
28/07/2022 21:00	0.3	42	1	1.3	0.00	21.2	93
28/07/2022 21:10	1.2	40	2	1.9	0.00	21.2	93
28/07/2022 21:20	0.0	45	0	0.0	0.00	21.2	93
28/07/2022 21:30	0.0	48	0	0.5	0.00	21.3	93
28/07/2022 21:40	0.0	48	0	0.0	0.00	21.2	93
28/07/2022 21:50	0.0	48	0	0.0	0.00	20.9	93
28/07/2022 22:00	0.0	64	0	0.0	0.00	20.4	93
28/07/2022 22:10	0.0	64	0	0.3	0.00	20.6	93
28/07/2022 22:20	0.0	68	0	0.0	0.00	20.5	94
28/07/2022 22:30	0.0	83	0	0.0	0.00	20.3	94
28/07/2022 22:40	0.0	316	0	0.0	0.00	20.6	94
28/07/2022 22:50	0.0	317	0	0.2	0.00	20.8	94
28/07/2022 23:00	0.0	36	0	0.0	0.00	20.4	94
28/07/2022 23:10	1.5	39	2	2.5	0.00	20.6	94
28/07/2022 23:20	2.6	48	3	3.1	0.00	20.5	95
28/07/2022 23:30	2.6	59	3	3.2	0.00	20.3	95
28/07/2022 23:40	2.7	60	2	3.1	0.00	19.9	95
28/07/2022 23:50	2.0	66	2	2.9	0.00	19.9	95
29/07/2022 00:00	2.2	56	1	2.7	0.00	19.8	96



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/07/2022 00:10	1.4	55	1	2.5	0.00	19.8	96
29/07/2022 00:20	1.9	46	2	2.6	0.00	19.6	96
29/07/2022 00:30	1.5	42	6	2.4	0.00	19.8	96
29/07/2022 00:40	2.2	51	3	2.7	0.00	19.6	96
29/07/2022 00:50	0.9	45	8	2.3	0.00	19.4	97
29/07/2022 01:00	0.0	89	8	0.9	0.00	19.2	97
29/07/2022 01:10	1.8	39	5	3.0	0.00	19.1	97
29/07/2022 01:20	1.6	42	3	2.4	0.00	19.1	97
29/07/2022 01:30	0.0	84	3	0.0	0.00	19.2	97
29/07/2022 01:40	0.0	139	0	0.0	0.00	19.5	97
29/07/2022 01:50	0.0	71	0	0.0	0.00	19.3	96
29/07/2022 02:00	0.0	69	2	0.0	0.00	19.6	96
29/07/2022 02:10	0.0	347	0	0.0	0.00	19.6	96
29/07/2022 02:20	0.0	7	0	0.0	0.00	19.5	96
29/07/2022 02:30					0.00	19.4	96
29/07/2022 02:40	0.0	63	0	0.0	0.00	19.2	96
29/07/2022 02:50	0.0	60	0	0.2	0.00	18.9	96
29/07/2022 03:00	0.0	200	2	0.0	0.00	18.9	96
29/07/2022 03:10	0.0	47	5	0.0	0.00	18.9	96
29/07/2022 03:20	0.1	90	4	1.0	0.00	18.9	96
29/07/2022 03:30	0.7	92	9	1.9	0.00	19.0	96
29/07/2022 03:40	0.0	48	4	0.0	0.00	18.9	95
29/07/2022 03:50	0.1	33	2	0.9	0.00	18.9	95
29/07/2022 04:00	0.4	55	9	2.3	0.00	18.9	94
29/07/2022 04:10	0.7	89	11	2.1	0.00	18.7	93
29/07/2022 04:20	0.2	82	4	1.2	0.00	18.6	93
29/07/2022 04:30	0.0	52	2	0.9	0.00	18.4	92
29/07/2022 04:40	0.5	77	7	1.1	0.00	18.2	92
29/07/2022 04:50	1.6	94	15	2.6	0.00	18.1	92
29/07/2022 05:00	0.6	100	13	2.1	0.10	18.2	90
29/07/2022 05:10	0.0	88	3	0.7	0.00	18.3	89
29/07/2022 05:20	0.9	102	9	2.3	0.00	18.4	88
29/07/2022 05:30	0.4	107	11	2.5	0.00	18.5	86
29/07/2022 05:40	1.4	94	16	2.6	0.00	18.5	84
29/07/2022 05:50	0.5	75	7	1.1	0.00	18.3	83
29/07/2022 06:00	0.6	89	16	2.5	0.00	17.9	83
29/07/2022 06:10	2.1	56	6	2.9	0.00	17.8	82
29/07/2022 06:20	1.9	58	7	2.5	0.00	17.6	82
29/07/2022 06:30	1.8	63	6	2.6	0.00	17.4	84
29/07/2022 06:40	2.6	51	6	3.2	0.00	18.3	83
29/07/2022 06:50	2.4	41	5	3.0	0.00	18.7	82
29/07/2022 07:00	2.2	40	5	2.7	0.00	18.6	82
29/07/2022 07:10	2.1	33	6	2.6	0.00	18.7	83
29/07/2022 07:20	1.8	32	5	2.5	0.00	18.9	83
29/07/2022 07:30	1.7	37	5	2.6	0.00	19.2	83
29/07/2022 07:40	0.7	80	8	2.2	0.00	19.9	82
29/07/2022 07:50	2.7	112	11	3.5	0.00	20.6	79
29/07/2022 08:00	2.3	114	15	3.5	0.00	21.0	77



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/07/2022 08:10	1.0	118	13	2.5	0.00	21.3	73
29/07/2022 08:20	2.6	114	12	3.5	0.00	21.2	72
29/07/2022 08:30	2.7	112	12	3.6	0.00	21.1	74
29/07/2022 08:40	2.8	114	10	4.0	0.00	21.2	73
29/07/2022 08:50	3.5	113	9	4.3	0.00	21.3	71
29/07/2022 09:00	3.2	114	11	4.4	0.00	21.6	68
29/07/2022 09:10	2.9	108	12	3.8	0.00	22.1	63
29/07/2022 09:20	2.9	104	14	3.7	0.00	22.7	55
29/07/2022 09:30	2.6	112	12	4.0	0.00	22.9	52
29/07/2022 09:40	2.5	116	13	3.8	0.00	23.0	53
29/07/2022 09:50	3.2	113	11	4.5	0.00	23.1	55
29/07/2022 10:00	3.1	114	11	4.4	0.00	23.1	54
29/07/2022 10:10	3.0	114	9	4.5	0.00	23.4	52
29/07/2022 10:20	2.6	110	15	3.9	0.00	23.9	51
29/07/2022 10:30	3.8	86	10	5.1	0.00	24.3	46
29/07/2022 10:40	4.2	76	11	5.7	0.00	24.8	42
29/07/2022 10:50	4.8	70	9	6.2	0.00	24.8	40
29/07/2022 11:00	5.5	69	8	6.9	0.00	24.5	43
29/07/2022 11:10	4.9	74	12	6.5	0.00	24.7	45
29/07/2022 11:20	5.6	74	11	7.1	0.00	24.8	44
29/07/2022 11:30	5.5	77	9	7.2	0.00	24.9	40
29/07/2022 11:40	5.4	74	9	6.6	0.00	24.8	39
29/07/2022 11:50	5.0	67	8	6.1	0.00	24.7	40
29/07/2022 12:00	4.0	74	12	5.8	0.00	25.1	41
29/07/2022 12:10	3.4	78	14	4.6	0.00	25.7	40
29/07/2022 12:20	3.3	85	16	4.8	0.00	26.2	37
29/07/2022 12:30	3.5	82	13	4.8	0.00	26.4	34
29/07/2022 12:40	3.9	75	13	5.0	0.00	26.3	32
29/07/2022 12:50	4.8	73	8	6.0	0.00	26.0	31
29/07/2022 13:00	4.0	77	11	5.1	0.00	26.1	34
29/07/2022 13:10	4.2	81	9	5.6	0.00	26.3	34
29/07/2022 13:20	3.9	75	11	5.4	0.00	26.3	35
29/07/2022 13:30	4.3	74	13	5.7	0.00	26.8	33
29/07/2022 13:40	4.6	78	10	6.2	0.00	26.9	31
29/07/2022 13:50	5.0	74	11	6.6	0.00	26.6	32
29/07/2022 14:00	5.3	78	9	6.6	0.00	26.6	31
29/07/2022 14:10	5.1	77	8	6.5	0.00	26.4	31
29/07/2022 14:20	4.9	76	7	5.8	0.00	26.4	30
29/07/2022 14:30	4.5	71	10	5.7	0.00	26.3	31
29/07/2022 14:40	4.2	71	9	5.2	0.00	26.4	34
29/07/2022 14:50	4.0	73	8	4.9	0.00	26.3	33
29/07/2022 15:00	3.8	73	10	4.7	0.00	26.8	29
29/07/2022 15:10	3.9	51	10	5.1	0.00	27.0	31
29/07/2022 15:20	3.9	49	9	5.0	0.00	26.7	34
29/07/2022 15:30	4.2	47	9	5.3	0.00	26.5	37
29/07/2022 15:40	4.4	52	7	5.4	0.00	26.2	38
29/07/2022 15:50	4.3	54	9	5.4	0.00	26.1	37
29/07/2022 16:00	3.9	55	9	4.7	0.00	26.0	39



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/07/2022 16:10	3.7	53	7	4.4	0.00	26.0	41
29/07/2022 16:20	3.4	43	12	4.3	0.00	25.9	44
29/07/2022 16:30	3.8	38	6	4.4	0.00	25.3	48
29/07/2022 16:40	3.3	42	7	4.0	0.00	25.4	44
29/07/2022 16:50	3.4	48	7	4.2	0.00	25.6	37
29/07/2022 17:00	2.8	51	6	3.6	0.00	25.6	38
29/07/2022 17:10	2.7	49	6	3.5	0.00	25.5	40
29/07/2022 17:20	2.6	35	6	3.4	0.00	25.0	45
29/07/2022 17:30	2.0	33	8	2.7	0.00	24.7	47
29/07/2022 17:40	2.2	39	8	2.9	0.00	24.1	48
29/07/2022 17:50	2.5	45	6	2.9	0.00	23.5	51
29/07/2022 18:00	1.0	13	6	2.3	0.00	23.0	51
29/07/2022 18:10	0.7	33	4	2.4	0.00	23.4	49
29/07/2022 18:20	2.1	34	5	2.7	0.00	22.7	57
29/07/2022 18:30	2.1	12	9	2.9	0.00	23.2	46
29/07/2022 18:40	1.4	188	9	2.3	0.00	23.5	41
29/07/2022 18:50	2.2	338	7	3.0	0.00	23.7	40
29/07/2022 19:00	2.2	342	7	2.8	0.00	23.6	43
29/07/2022 19:10	2.0	181	12	2.7	0.00	23.3	45
29/07/2022 19:20	2.2	348	8	2.9	0.00	23.0	48
29/07/2022 19:30	1.8	330	9	2.8	0.00	22.8	49
29/07/2022 19:40	0.6	299	16	2.3	0.00	22.6	49
29/07/2022 19:50	2.3	302	11	3.0	0.00	22.8	55
29/07/2022 20:00	2.2	300	5	2.9	0.00	22.8	64
29/07/2022 20:10	2.8	321	4	3.4	0.00	22.8	67
29/07/2022 20:20	2.3	324	3	3.0	0.00	22.7	71
29/07/2022 20:30	2.7	332	4	3.1	0.00	22.6	74
29/07/2022 20:40	1.7	319	13	2.9	0.00	22.3	75
29/07/2022 20:50	0.0	242	6	0.1	0.00	21.9	76
29/07/2022 21:00	0.0	273	3	0.0	0.00	21.7	77
29/07/2022 21:10	0.0	294	3	0.0	0.00	21.9	78
29/07/2022 21:20	0.0	263	3	0.0	0.00	21.7	78
29/07/2022 21:30	0.0	251	0	0.0	0.00	21.0	80
29/07/2022 21:40	0.0	276	2	0.0	0.00	21.0	83
29/07/2022 21:50	0.0	254	2	0.0	0.00	21.1	82
29/07/2022 22:00	0.0	266	2	0.0	0.00	21.3	83
29/07/2022 22:10	0.0	272	1	0.0	0.00	21.0	85
29/07/2022 22:20	0.0	272	1	0.0	0.00	21.1	86
29/07/2022 22:30	0.0	263	1	0.0	0.00	20.9	86
29/07/2022 22:40	0.0	264	1	0.0	0.00	21.0	87
29/07/2022 22:50	0.0	258	0	0.0	0.00	20.6	87
29/07/2022 23:00	1.2	262	3	2.7	0.00	19.8	87
29/07/2022 23:10	1.8	270	4	3.0	0.00	19.6	87
29/07/2022 23:20	2.2	264	2	3.1	0.00	19.9	86
29/07/2022 23:30	2.0	274	5	2.6	0.00	20.7	85
29/07/2022 23:40	2.0	274	9	2.8	0.00	20.8	83
29/07/2022 23:50	1.7	287	6	2.9	0.00	20.7	83
30/07/2022 00:00	0.6	284	5	1.1	0.00	20.2	83



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/07/2022 00:10	0.0	299	1	0.0	0.00	20.2	82
30/07/2022 00:20	0.0	289	2	0.0	0.00	20.1	82
30/07/2022 00:30	0.1	281	2	1.0	0.00	20.1	83
30/07/2022 00:40	2.2	279	5	2.9	0.00	19.8	84
30/07/2022 00:50	2.5	277	4	3.1	0.00	19.9	86
30/07/2022 01:00	2.6	275	5	3.2	0.00	19.8	87
30/07/2022 01:10	2.9	272	5	3.3	0.00	19.6	86
30/07/2022 01:20	2.4	272	4	3.1	0.00	19.5	84
30/07/2022 01:30	1.5	273	7	2.7	0.00	19.2	84
30/07/2022 01:40	2.1	269	5	2.7	0.00	19.2	83
30/07/2022 01:50	2.4	269	6	3.1	0.00	19.3	82
30/07/2022 02:00	2.4	267	4	3.1	0.00	19.4	78
30/07/2022 02:10	2.7	267	5	3.3	0.00	19.6	75
30/07/2022 02:20	2.6	270	6	3.4	0.00	19.8	72
30/07/2022 02:30	2.8	272	9	3.4	0.00	19.9	70
30/07/2022 02:40	2.5	274	9	3.4	0.00	19.8	66
30/07/2022 02:50	2.1	273	6	3.2	0.00	19.6	64
30/07/2022 03:00	2.1	281	8	2.9	0.00	19.9	60
30/07/2022 03:10	0.0	310	1	0.0	0.00	19.7	61
30/07/2022 03:20	0.2	278	6	1.2	0.00	19.9	59
30/07/2022 03:30	0.6	270	5	1.9	0.00	19.4	60
30/07/2022 03:40	1.7	271	12	2.9	0.00	19.4	59
30/07/2022 03:50	1.7	280	7	3.0	0.00	19.5	58
30/07/2022 04:00	0.5	226	4	1.4	0.00	19.4	58
30/07/2022 04:10	0.0	224	2	0.0	0.00	19.8	56
30/07/2022 04:20	0.0	267	1	0.2	0.00	19.7	56
30/07/2022 04:30	0.0	249	0	0.0	0.00	19.8	55
30/07/2022 04:40	0.0	271	2	0.2	0.00	19.6	58
30/07/2022 04:50	0.1	265	5	0.8	0.00	19.4	58
30/07/2022 05:00	0.0	236	4	0.0	0.00	19.6	57
30/07/2022 05:10	0.4	151	13	1.5	0.00	18.9	61
30/07/2022 05:20	2.6	50	4	3.2	0.00	17.5	64
30/07/2022 05:30	2.3	39	4	2.9	0.00	17.6	63
30/07/2022 05:40	1.4	56	11	2.2	0.00	17.6	63
30/07/2022 05:50	1.5	63	2	2.1	0.00	17.6	64
30/07/2022 06:00	0.0	59	0	0.0	0.00	17.9	66
30/07/2022 06:10	0.0	58	0	0.1	0.00	19.0	67
30/07/2022 06:20	0.0	58	0	0.1	0.00	19.2	73
30/07/2022 06:30	0.0	30	0	0.0	0.00	19.0	74
30/07/2022 06:40	0.0	34	1	0.0	0.00	18.5	76
30/07/2022 06:50	0.0	41	0	0.0	0.00	18.0	77
30/07/2022 07:00	0.0	69	18	0.0	0.00	18.0	78
30/07/2022 07:10	0.2	52	8	1.7	0.00	18.3	78
30/07/2022 07:20	0.6	79	7	1.5	0.00	18.4	77
30/07/2022 07:30	0.5	80	9	1.4	0.00	18.8	78
30/07/2022 07:40	1.7	111	15	3.1	0.00	19.6	76
30/07/2022 07:50	1.4	100	13	2.8	0.00	20.2	73
30/07/2022 08:00	1.2	90	12	2.7	0.00	20.6	70



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/07/2022 08:10	1.6	101	14	3.2	0.00	21.1	65
30/07/2022 08:20	2.0	100	15	2.9	0.00	21.5	61
30/07/2022 08:30	2.5	106	13	3.1	0.00	21.8	57
30/07/2022 08:40	1.9	98	13	2.9	0.00	22.4	54
30/07/2022 08:50	2.1	108	15	2.9	0.00	23.1	51
30/07/2022 09:00	2.0	116	16	2.6	0.00	23.3	52
30/07/2022 09:10	2.0	113	15	2.8	0.00	23.2	54
30/07/2022 09:20	2.8	96	16	3.5	0.00	22.9	57
30/07/2022 09:30	2.4	94	15	3.6	0.00	23.1	59
30/07/2022 09:40	3.0	83	10	4.0	0.00	22.9	62
30/07/2022 09:50	3.0	86	10	4.3	0.00	23.2	60
30/07/2022 10:00	3.5	83	9	4.4	0.00	23.1	59
30/07/2022 10:10	3.6	87	10	4.6	0.00	23.7	48
30/07/2022 10:20	3.8	84	9	4.7	0.00	23.6	48
30/07/2022 10:30	3.3	88	11	4.4	0.00	24.0	50
30/07/2022 10:40	3.2	86	12	4.4	0.00	24.1	53
30/07/2022 10:50	3.2	86	14	4.5	0.00	24.1	52
30/07/2022 11:00	3.6	77	9	4.8	0.00	24.4	45
30/07/2022 11:10	3.7	84	8	4.6	0.00	24.3	44
30/07/2022 11:20	3.8	85	8	4.8	0.00	24.7	40
30/07/2022 11:30	4.0	83	9	5.0	0.00	24.6	41
30/07/2022 11:40	3.5	75	8	4.6	0.00	24.7	36
30/07/2022 11:50	2.9	70	15	4.1	0.00	25.3	36
30/07/2022 12:00	2.5	75	13	3.7	0.00	25.5	35
30/07/2022 12:10	2.6	73	10	3.6	0.00	25.6	35
30/07/2022 12:20	2.8	79	12	4.3	0.00	25.8	34
30/07/2022 12:30	3.1	78	11	3.9	0.00	26.3	31
30/07/2022 12:40	3.1	44	14	3.8	0.00	26.3	34
30/07/2022 12:50	3.4	49	13	4.1	0.00	26.4	34
30/07/2022 13:00	3.8	47	11	4.7	0.00	26.3	35
30/07/2022 13:10	3.8	42	11	4.8	0.00	26.2	37
30/07/2022 13:20	3.4	52	12	4.5	0.00	26.2	37
30/07/2022 13:30	3.4	54	11	4.6	0.00	26.2	38
30/07/2022 13:40	3.1	52	9	3.9	0.00	26.3	37
30/07/2022 13:50	3.3	46	12	4.0	0.00	26.3	39
30/07/2022 14:00	3.0	48	15	4.0	0.00	26.6	41
30/07/2022 14:10	3.1	55	14	4.0	0.00	26.6	42
30/07/2022 14:20	2.7	55	14	3.7	0.00	26.3	44
30/07/2022 14:30	2.6	60	17	3.9	0.00	26.8	45
30/07/2022 14:40	2.5	58	17	3.5	0.00	27.0	45
30/07/2022 14:50	2.1	36	23	3.1	0.00	27.7	43
30/07/2022 15:00	1.9	32	23	3.0	0.00	27.6	41
30/07/2022 15:10	2.3	42	17	3.2	0.00	27.6	41
30/07/2022 15:20	2.5	338	11	3.4	0.00	27.5	43
30/07/2022 15:30	2.1	173	16	3.3	0.00	27.4	44
30/07/2022 15:40	2.1	337	21	3.2	0.00	27.5	44
30/07/2022 15:50	1.7	8	14	3.0	0.00	27.3	45
30/07/2022 16:00	1.2	324	14	2.5	0.00	27.6	44



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/07/2022 16:10	1.3	274	31	3.1	0.00	27.4	44
30/07/2022 16:20	2.0	155	11	3.2	0.00	26.7	45
30/07/2022 16:30	1.4	149	14	2.3	0.00	27.2	46
30/07/2022 16:40	0.7	127	4	1.7	0.00	28.0	44
30/07/2022 16:50	0.3	234	10	1.7	0.00	28.1	43
30/07/2022 17:00	1.5	324	8	2.1	0.00	27.2	41
30/07/2022 17:10	1.8	328	6	2.4	0.00	26.4	43
30/07/2022 17:20	2.2	326	5	2.7	0.00	25.8	45
30/07/2022 17:30	2.1	327	7	2.7	0.00	25.4	46
30/07/2022 17:40	2.2	333	8	2.9	0.00	25.0	51
30/07/2022 17:50	1.0	315	7	2.4	0.00	24.8	55
30/07/2022 18:00	2.2	309	12	3.2	0.00	24.4	60
30/07/2022 18:10	2.2	285	11	2.9	0.00	24.1	59
30/07/2022 18:20	2.8	291	7	3.8	0.00	24.1	60
30/07/2022 18:30	2.8	307	12	3.5	0.00	24.3	60
30/07/2022 18:40	2.9	311	7	3.6	0.00	24.4	57
30/07/2022 18:50	3.0	332	8	3.8	0.00	24.3	56
30/07/2022 19:00	2.5	328	9	3.5	0.00	24.0	59
30/07/2022 19:10	2.3	306	10	3.2	0.00	23.9	61
30/07/2022 19:20	2.6	319	7	3.5	0.00	23.8	59
30/07/2022 19:30	2.7	283	9	3.6	0.00	23.7	61
30/07/2022 19:40	2.8	292	8	3.5	0.00	23.8	62
30/07/2022 19:50	2.9	319	7	3.6	0.00	23.6	66
30/07/2022 20:00	3.2	327	8	4.2	0.00	23.5	67
30/07/2022 20:10	2.5	303	11	3.3	0.00	23.4	68
30/07/2022 20:20	2.5	291	19	3.9	0.00	23.4	67
30/07/2022 20:30	2.7	285	13	3.6	0.00	23.4	66
30/07/2022 20:40	2.4	276	7	2.9	0.00	23.0	67
30/07/2022 20:50	2.6	270	3	3.1	0.00	22.9	71
30/07/2022 21:00	2.1	271	4	2.7	0.00	22.7	74
30/07/2022 21:10	3.1	266	5	3.7	0.00	22.6	74
30/07/2022 21:20	3.1	268	4	3.6	0.00	22.7	76
30/07/2022 21:30	3.5	276	5	4.2	0.00	22.7	74
30/07/2022 21:40	3.6	271	7	4.2	0.00	23.0	66
30/07/2022 21:50	3.1	259	3	3.4	0.00	22.5	70
30/07/2022 22:00	2.9	272	4	3.6	0.00	22.2	73
30/07/2022 22:10	3.8	266	3	4.3	0.00	22.4	75
30/07/2022 22:20	3.4	269	4	3.8	0.00	22.4	76
30/07/2022 22:30	3.0	270	4	3.6	0.00	22.5	76
30/07/2022 22:40	2.9	272	5	3.4	0.00	22.6	77
30/07/2022 22:50	2.3	284	7	3.2	0.00	22.7	78
30/07/2022 23:00	3.3	275	5	3.9	0.00	22.7	79
30/07/2022 23:10	3.6	273	3	4.1	0.00	22.6	81
30/07/2022 23:20	3.5	264	3	4.0	0.00	22.3	82
30/07/2022 23:30	3.8	258	3	4.1	0.00	22.3	84
30/07/2022 23:40	3.6	262	4	4.0	0.00	22.1	84
30/07/2022 23:50	3.0	270	5	3.5	0.00	21.9	84
31/07/2022 00:00	3.1	266	4	3.6	0.00	21.7	85



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
31/07/2022 00:10	3.2	260	7	4.0	0.00	21.6	85
31/07/2022 00:20	2.9	256	8	3.8	0.00	21.7	84
31/07/2022 00:30	2.4	263	10	3.2	0.00	21.7	84
31/07/2022 00:40	2.6	271	5	3.2	0.00	21.5	85
31/07/2022 00:50	3.4	260	8	4.1	0.00	21.5	85
31/07/2022 01:00	3.2	262	8	4.2	0.00	21.6	86
31/07/2022 01:10	3.4	259	12	4.2	0.00	21.6	86
31/07/2022 01:20	3.6	254	12	4.5	0.00	21.9	84
31/07/2022 01:30	3.8	257	10	4.6	0.00	21.8	81
31/07/2022 01:40	3.5	255	11	5.0	0.00	21.8	80
31/07/2022 01:50	2.0	209	21	3.6	0.00	21.9	79
31/07/2022 02:00	2.5	219	20	3.9	0.00	22.1	77
31/07/2022 02:10	1.8	234	21	3.3	0.00	22.2	74
31/07/2022 02:20	1.8	215	21	3.2	0.00	22.2	71
31/07/2022 02:30	0.5	249	17	1.8	0.00	22.2	71
31/07/2022 02:40	0.1	239	3	1.6	0.00	22.0	70
31/07/2022 02:50	0.0	107	3	1.5	0.00	22.0	67
31/07/2022 03:00	0.3	138	6	1.9	0.00	22.4	63
31/07/2022 03:10	0.5	151	6	1.5	0.00	22.6	64
31/07/2022 03:20	1.2	178	12	2.7	0.00	22.7	63
31/07/2022 03:30	0.0	291	6	0.3	0.00	22.4	63
31/07/2022 03:40	0.0	192	4	0.6	0.00	22.2	62
31/07/2022 03:50	0.0	61	4	0.6	0.00	21.7	65
31/07/2022 04:00	0.9	110	13	2.6	0.00	21.6	66
31/07/2022 04:10	0.0	91	1	0.0	0.00	21.1	67
31/07/2022 04:20	0.2	75	7	1.3	0.00	21.0	69
31/07/2022 04:30	1.7	79	8	2.6	0.00	20.9	70
31/07/2022 04:40	0.5	81	6	1.6	0.00	21.1	70
31/07/2022 04:50	0.5	72	5	1.2	0.00	20.8	70
31/07/2022 05:00	0.0	70	2	0.0	0.00	19.8	72
31/07/2022 05:10	0.0	79	4	0.1	0.00	19.3	74
31/07/2022 05:20	2.3	57	5	2.8	0.00	19.6	76
31/07/2022 05:30	2.8	67	4	3.3	0.00	19.4	78
31/07/2022 05:40	2.4	73	6	3.2	0.00	19.1	81
31/07/2022 05:50	1.9	89	8	2.7	0.00	19.2	83
31/07/2022 06:00	2.9	81	5	3.8	0.00	19.1	83
31/07/2022 06:10	3.5	84	6	4.3	0.00	19.6	82
31/07/2022 06:20	3.8	81	5	4.6	0.00	20.1	81
31/07/2022 06:30	3.9	76	6	5.0	0.00	20.2	77
31/07/2022 06:40	4.2	79	7	5.5	0.00	20.4	67
31/07/2022 06:50	4.0	78	7	4.9	0.00	20.8	64
31/07/2022 07:00	4.0	79	7	5.2	0.00	21.3	60
31/07/2022 07:10	3.9	82	6	5.2	0.00	21.6	60
31/07/2022 07:20	3.6	83	7	4.8	0.00	21.6	62
31/07/2022 07:30	4.1	88	8	5.7	0.00	22.1	60
31/07/2022 07:40	4.1	89	9	5.5	0.00	22.3	60
31/07/2022 07:50	4.8	84	8	6.4	0.00	22.4	59
31/07/2022 08:00	6.0	80	7	7.9	0.00	22.5	56





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
31/07/2022 08:10	6.4	84	9	8.9	0.00	22.6	56
31/07/2022 08:20	5.3	81	9	7.2	0.00	22.6	56
31/07/2022 08:30	5.2	82	9	7.0	0.00	22.7	55
31/07/2022 08:40	5.6	83	9	8.1	0.00	23.0	54
31/07/2022 08:50	6.9	82	8	9.7	0.00	22.9	54
31/07/2022 09:00	5.4	82	10	7.4	0.00	22.9	56
31/07/2022 09:10	5.6	85	9	7.7	0.00	23.0	58
31/07/2022 09:20	5.8	87	10	7.7	0.00	23.2	57
31/07/2022 09:30	6.2	85	7	8.3	0.00	23.0	56
31/07/2022 09:40	5.8	82	9	7.9	0.00	23.3	57
31/07/2022 09:50	6.2	84	7	8.4	0.00	23.0	58
31/07/2022 10:00	6.2	85	7	8.2	0.00	23.5	56
31/07/2022 10:10	6.0	86	9	7.8	0.00	23.8	56
31/07/2022 10:20	6.7	91	10	8.4	0.00	23.8	57
31/07/2022 10:30	6.7	89	9	8.6	0.00	23.8	57
31/07/2022 10:40	6.8	91	9	8.4	0.00	23.7	59
31/07/2022 10:50	6.5	90	11	8.6	0.00	24.0	59
31/07/2022 11:00	7.2	87	8	9.1	0.00	24.1	57
31/07/2022 11:10	6.8	84	10	8.6	0.00	24.3	56
31/07/2022 11:20	6.4	84	9	8.4	0.00	24.2	58
31/07/2022 11:30	6.5	84	9	8.2	0.00	24.6	56
31/07/2022 11:40	7.7	86	8	9.3	0.00	24.2	57
31/07/2022 11:50	7.5	79	10	9.4	0.00	24.3	56
31/07/2022 12:00	6.6	82	11	9.0	0.00	24.7	56
31/07/2022 12:10	7.4	73	8	9.6	0.00	24.3	56
31/07/2022 12:20	7.3	73	8	9.6	0.00	24.4	57
31/07/2022 12:30	7.8	72	6	9.5	0.00	24.3	56
31/07/2022 12:40	7.5	72	7	9.6	0.00	24.4	56
31/07/2022 12:50	7.5	78	8	9.3	0.00	24.5	56
31/07/2022 13:00	7.6	81	7	9.7	0.00	25.0	54
31/07/2022 13:10	7.3	79	6	9.0	0.00	25.1	55
31/07/2022 13:20	7.8	79	6	9.2	0.00	25.1	54
31/07/2022 13:30	7.8	78	8	9.8	0.00	25.0	55
31/07/2022 13:40	7.5	83	9	9.8	0.00	25.5	53
31/07/2022 13:50	6.8	81	11	8.9	0.00	25.8	52
31/07/2022 14:00	7.0	67	10	9.5	0.00	25.8	51
31/07/2022 14:10	7.6	54	8	9.4	0.00	25.3	50
31/07/2022 14:20	7.7	58	8	9.6	0.00	25.3	52
31/07/2022 14:30	7.9	60	7	9.8	0.00	25.1	55
31/07/2022 14:40	6.8	64	10	9.3	0.00	25.5	55
31/07/2022 14:50	7.5	61	9	9.5	0.00	25.4	55
31/07/2022 15:00	7.6	58	7	9.6	0.00	25.2	56
31/07/2022 15:10	7.3	62	8	8.9	0.00	25.4	56
31/07/2022 15:20	6.3	58	11	8.7	0.00	25.6	56
31/07/2022 15:30	7.1	59	8	8.9	0.00	25.2	58
31/07/2022 15:40	6.2	46	12	8.3	0.00	25.6	57
31/07/2022 15:50	6.4	54	9	8.8	0.00	25.4	57
31/07/2022 16:00	6.4	57	10	8.3	0.00	25.4	56



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
31/07/2022 16:10	6.4	56	9	8.1	0.00	25.2	56
31/07/2022 16:20	6.1	59	9	7.8	0.00	25.4	55
31/07/2022 16:30	6.2	55	9	7.8	0.00	25.4	55
31/07/2022 16:40	6.4	56	8	8.1	0.00	25.2	53
31/07/2022 16:50	5.6	57	8	7.3	0.00	24.9	54
31/07/2022 17:00	5.9	57	8	7.7	0.00	24.7	56
31/07/2022 17:10	5.4	56	8	6.9	0.00	24.6	58
31/07/2022 17:20	4.8	56	8	6.2	0.00	24.4	60
31/07/2022 17:30	4.3	57	8	5.3	0.00	24.0	62
31/07/2022 17:40	3.9	57	7	4.8	0.00	23.8	66
31/07/2022 17:50	4.2	58	8	5.4	0.00	23.6	68
31/07/2022 18:00	3.7	59	9	4.9	0.00	23.5	69
31/07/2022 18:10	3.7	59	8	5.1	0.00	23.5	70
31/07/2022 18:20	3.4	59	8	4.6	0.00	23.4	71
31/07/2022 18:30	3.0	58	7	3.8	0.00	23.3	71
31/07/2022 18:40	2.6	62	7	3.3	0.00	23.3	71
31/07/2022 18:50	2.4	61	6	3.0	0.00	23.1	72
31/07/2022 19:00	0.8	58	4	1.4	0.00	23.0	73
31/07/2022 19:10	0.9	51	3	1.2	0.00	22.8	73
31/07/2022 19:20	2.5	40	5	3.0	0.00	22.7	74
31/07/2022 19:30	2.8	44	5	3.6	0.00	22.6	75
31/07/2022 19:40	2.4	45	6	3.1	0.00	22.6	74
31/07/2022 19:50	2.9	35	8	4.0	0.00	22.8	70
31/07/2022 20:00	3.2	30	8	4.6	0.00	23.5	64
31/07/2022 20:10	2.9	29	8	3.9	0.00	23.5	64
31/07/2022 20:20	2.9	33	8	3.8	0.00	23.3	66
31/07/2022 20:30	2.8	32	8	3.7	0.00	23.2	67
31/07/2022 20:40	2.7	30	8	3.8	0.00	23.0	67
31/07/2022 20:50	2.9	30	8	4.2	0.00	23.0	67
31/07/2022 21:00	2.8	32	8	3.6	0.00	22.9	67
31/07/2022 21:10	2.3	25	8	2.9	0.00	22.9	66
31/07/2022 21:20	2.0	33	9	2.8	0.00	22.6	67
31/07/2022 21:30	0.9	63	9	2.0	0.00	22.5	67
31/07/2022 21:40	0.1	82	4	1.6	0.00	22.6	67
31/07/2022 21:50	0.8	85	5	1.2	0.00	22.8	66
31/07/2022 22:00	1.7	85	6	2.7	0.00	22.8	66
31/07/2022 22:10	1.7	78	3	2.3	0.00	22.4	67
31/07/2022 22:20	0.7	80	1	1.0	0.00	21.8	69
31/07/2022 22:30	0.0	86	0	0.1	0.00	21.4	71
31/07/2022 22:40	0.0	99	4	0.0	0.00	21.1	71
31/07/2022 22:50	0.0	86	4	0.2	0.00	21.3	71
31/07/2022 23:00	0.0	181	2	0.1	0.00	21.4	71
31/07/2022 23:10	0.0	31	4	0.0	0.00	21.4	70
31/07/2022 23:20	0.0	77	2	0.1	0.00	21.2	72
31/07/2022 23:30	0.0	48	1	0.0	0.00	21.0	74
31/07/2022 23:40	0.0	49	3	0.1	0.00	20.8	75
31/07/2022 23:50	0.0	39	1	0.1	0.00	21.6	77
01/08/2022 00:00	0.0	47	1	0.1	0.00	21.4	81



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/08/2022 00:10	0.0	65	1	0.1	0.00	20.8	84
01/08/2022 00:20	0.0	64	2	0.3	0.00	20.6	86
01/08/2022 00:30	0.0	75	5	0.1	0.00	20.4	87
01/08/2022 00:40	1.1	98	14	2.2	0.00	20.5	88
01/08/2022 00:50	0.1	82	7	1.1	0.00	20.6	89
01/08/2022 01:00	0.0	66	2	0.1	0.00	20.3	89
01/08/2022 01:10	2.5	47	5	3.0	0.00	20.1	89
01/08/2022 01:20	3.0	59	4	3.5	0.00	20.1	90
01/08/2022 01:30	0.3	48	3	1.0	0.00	19.9	90
01/08/2022 01:40	0.0	46	1	0.1	0.00	20.2	90
01/08/2022 01:50	0.0	40	1	0.2	0.00	20.4	90
01/08/2022 02:00	0.0	40	0	0.0	0.00	20.4	89
01/08/2022 02:10	0.0	37	0	0.0	0.00	20.4	89
01/08/2022 02:20	0.3	47	2	1.0	0.00	20.6	89
01/08/2022 02:30	1.6	31	9	2.3	0.00	20.8	88
01/08/2022 02:40	0.3	18	2	1.0	0.00	20.8	88
01/08/2022 02:50	0.6	83	10	3.0	0.00	20.7	88
01/08/2022 03:00	2.6	69	6	3.1	0.00	20.7	87
01/08/2022 03:10	2.9	61	5	3.4	0.00	20.6	87
01/08/2022 03:20	2.4	55	4	3.1	0.00	20.6	87
01/08/2022 03:30	0.2	46	0	0.9	0.00	20.6	88
01/08/2022 03:40	0.2	89	6	1.0	0.00	20.6	88
01/08/2022 03:50	0.3	109	4	1.2	0.00	20.4	87
01/08/2022 04:00	0.0	38	0	0.0	0.00	20.0	87
01/08/2022 04:10	0.2	53	4	1.0	0.00	19.8	88
01/08/2022 04:20	2.1	54	8	2.7	0.00	19.8	89
01/08/2022 04:30	2.0	40	6	2.7	0.00	20.0	89
01/08/2022 04:40	2.0	46	5	3.1	0.00	20.0	89
01/08/2022 04:50	1.5	44	5	2.7	0.00	20.2	88
01/08/2022 05:00	1.0	46	4	2.6	0.00	20.2	88
01/08/2022 05:10	1.3	35	6	2.3	0.00	20.2	88
01/08/2022 05:20	1.9	49	5	2.8	0.00	20.2	88
01/08/2022 05:30	2.3	54	4	2.9	0.00	20.4	88
01/08/2022 05:40	2.1	56	6	2.7	0.00	20.5	87
01/08/2022 05:50	1.6	51	6	2.3	0.00	20.4	87
01/08/2022 06:00	2.1	46	6	3.0	0.00	20.5	88
01/08/2022 06:10	1.9	46	14	2.7	0.00	20.6	88
01/08/2022 06:20	2.2	60	4	2.7	0.00	20.6	88
01/08/2022 06:30	2.1	57	6	2.8	0.00	20.6	88
01/08/2022 06:40	3.1	70	4	3.7	0.00	20.7	89
01/08/2022 06:50	2.3	54	5	3.0	0.00	20.5	89
01/08/2022 07:00	0.3	17	4	1.0	0.00	20.3	90
01/08/2022 07:10	0.0	6	1	0.1	0.10	20.5	90
01/08/2022 07:20	0.9	44	5	1.4	0.00	20.7	91
01/08/2022 07:30	1.9	55	7	2.7	0.00	20.8	90
01/08/2022 07:40	2.2	50	4	2.8	0.00	21.1	90
01/08/2022 07:50	2.2	42	6	2.9	0.00	21.4	88
01/08/2022 08:00	3.0	50	5	3.7	0.00	21.4	87



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/08/2022 08:10	2.8	57	6	3.4	0.00	21.6	86
01/08/2022 08:20	2.9	63	6	3.5	0.00	21.7	85
01/08/2022 08:30	2.9	70	6	3.4	0.00	21.8	84
01/08/2022 08:40	3.1	75	6	3.6	0.00	22.0	84
01/08/2022 08:50	3.2	79	8	3.9	0.00	22.1	83
01/08/2022 09:00	3.1	104	13	3.9	0.00	22.1	83
01/08/2022 09:10	3.1	86	8	4.0	0.00	22.2	82
01/08/2022 09:20	2.8	104	14	3.7	0.00	22.2	80
01/08/2022 09:30	2.4	115	12	3.4	0.00	22.4	79
01/08/2022 09:40	1.9	126	15	3.1	0.00	22.7	78
01/08/2022 09:50	2.1	97	17	3.1	0.00	23.0	79
01/08/2022 10:00	1.9	91	23	3.1	0.00	23.0	79
01/08/2022 10:10	2.5	79	15	3.7	0.00	22.8	80
01/08/2022 10:20	2.5	103	15	3.4	0.00	22.6	80
01/08/2022 10:30	2.1	96	22	3.5	0.00	22.9	79
01/08/2022 10:40	2.9	88	13	4.2	0.00	23.0	78
01/08/2022 10:50	2.9	82	15	4.1	0.00	23.4	77
01/08/2022 11:00	3.4	66	16	4.6	0.00	24.2	75
01/08/2022 11:10	4.2	57	12	5.5	0.00	24.3	74
01/08/2022 11:20	4.4	58	10	5.8	0.00	24.3	75
01/08/2022 11:30	4.3	62	11	5.8	0.00	24.6	74
01/08/2022 11:40	4.6	64	9	6.5	0.00	24.4	75
01/08/2022 11:50	4.3	71	9	6.0	0.00	24.1	77
01/08/2022 12:00	4.0	79	10	5.5	0.00	24.1	78
01/08/2022 12:10	3.3	79	10	4.7	0.00	24.0	79
01/08/2022 12:20	2.6	43	21	3.8	0.00	24.1	79
01/08/2022 12:30	2.6	28	18	4.4	0.00	23.9	79
01/08/2022 12:40	1.9	55	16	3.3	0.00	24.1	79
01/08/2022 12:50	2.4	45	14	3.3	0.00	24.2	79
01/08/2022 13:00	2.7	46	14	4.3	0.00	24.2	78
01/08/2022 13:10	2.8	14	29	4.8	0.00	24.4	77
01/08/2022 13:20	4.0	319	11	6.0	0.00	25.6	71
01/08/2022 13:30	3.6	337	17	5.2	0.00	26.3	69
01/08/2022 13:40	3.8	335	26	5.8	0.00	26.3	67
01/08/2022 13:50	3.6	332	18	5.0	0.00	26.3	67
01/08/2022 14:00	4.1	347	14	6.0	0.00	26.3	67
01/08/2022 14:10	4.5	340	12	6.1	0.00	25.9	68
01/08/2022 14:20	4.2	335	12	5.8	0.00	26.1	67
01/08/2022 14:30	4.1	343	12	5.7	0.00	25.9	68
01/08/2022 14:40	4.3	337	12	5.7	0.00	25.8	70
01/08/2022 14:50	4.3	339	10	6.0	0.00	25.9	69
01/08/2022 15:00	4.8	327	9	6.2	0.00	25.8	69
01/08/2022 15:10	4.6	338	15	6.3	0.00	25.9	68
01/08/2022 15:20	4.4	328	10	6.0	0.00	25.9	68
01/08/2022 15:30	4.2	338	14	5.8	0.00	26.0	67
01/08/2022 15:40	4.2	352	15	5.9	0.00	26.0	68
01/08/2022 15:50	4.2	344	14	6.1	0.00	25.8	69
01/08/2022 16:00	4.0	333	11	5.7	0.00	25.8	68



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/08/2022 16:10	3.9	342	14	5.5	0.00	25.7	69
01/08/2022 16:20	4.0	349	11	6.1	0.00	25.7	68
01/08/2022 16:30	4.2	345	14	5.8	0.00	25.5	68
01/08/2022 16:40	3.8	341	11	5.0	0.00	25.3	70
01/08/2022 16:50	4.0	340	10	5.4	0.00	25.2	70
01/08/2022 17:00	3.2	335	10	4.9	0.00	25.2	70
01/08/2022 17:10	3.9	351	9	4.9	0.00	25.1	71
01/08/2022 17:20	3.5	352	9	4.8	0.00	24.9	71
01/08/2022 17:30	2.8	332	12	3.8	0.00	24.9	72
01/08/2022 17:40	3.2	333	11	4.4	0.00	24.5	73
01/08/2022 17:50	3.2	342	12	4.2	0.00	24.3	74
01/08/2022 18:00	3.6	338	9	4.8	0.00	24.2	75
01/08/2022 18:10	3.0	342	12	4.2	0.00	24.1	75
01/08/2022 18:20	2.8	342	8	4.2	0.00	24.1	76
01/08/2022 18:30	2.7	343	14	3.8	0.00	24.0	76
01/08/2022 18:40	2.8	335	9	3.8	0.00	24.0	77
01/08/2022 18:50	2.9	344	9	3.8	0.00	24.0	77
01/08/2022 19:00	3.0	346	13	4.3	0.00	24.0	77
01/08/2022 19:10	3.3	346	9	4.4	0.00	23.9	77
01/08/2022 19:20	3.5	352	13	4.8	0.00	23.9	77
01/08/2022 19:30	3.2	8	16	4.4	0.00	23.9	76
01/08/2022 19:40	2.7	176	11	4.0	0.00	23.9	76
01/08/2022 19:50	2.7	349	13	3.9	0.00	23.9	76
01/08/2022 20:00	3.2	346	9	4.3	0.00	24.0	77
01/08/2022 20:10	3.0	346	11	4.5	0.00	23.9	78
01/08/2022 20:20	3.1	346	10	4.3	0.00	23.9	79
01/08/2022 20:30	3.8	347	8	5.1	0.00	23.8	79
01/08/2022 20:40	3.3	345	12	4.3	0.00	23.8	79
01/08/2022 20:50	3.1	343	11	4.7	0.00	23.9	79
01/08/2022 21:00	3.0	343	12	3.8	0.00	23.9	79
01/08/2022 21:10	3.2	339	10	4.7	0.00	23.9	80
01/08/2022 21:20	3.0	339	10	4.0	0.00	24.0	80
01/08/2022 21:30	2.8	340	11	3.7	0.00	23.9	81
01/08/2022 21:40	3.1	344	9	4.0	0.00	23.9	81
01/08/2022 21:50	3.3	339	10	4.5	0.00	23.9	80
01/08/2022 22:00	3.5	343	10	5.1	0.00	23.9	80
01/08/2022 22:10	3.1	340	9	4.5	0.00	23.9	80
01/08/2022 22:20	3.7	342	9	5.1	0.00	24.0	81
01/08/2022 22:30	3.2	337	13	4.6	0.00	24.0	81
01/08/2022 22:40	3.2	342	10	4.4	0.00	23.9	82
01/08/2022 22:50	3.6	343	11	4.9	0.00	23.9	82
01/08/2022 23:00	3.2	340	13	4.7	0.00	23.9	82
01/08/2022 23:10	3.6	338	11	5.7	0.00	23.9	82
01/08/2022 23:20	3.7	341	13	5.4	0.00	23.9	83
01/08/2022 23:30	4.3	336	11	6.4	0.00	23.9	83
01/08/2022 23:40	4.3	333	11	6.2	0.00	24.0	82
01/08/2022 23:50	3.5	339	13	4.7	0.00	24.0	83
02/08/2022 00:00	4.4	343	11	6.9	0.00	23.9	83



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/08/2022 00:10	4.4	339	11	6.3	0.00	24.0	83
02/08/2022 00:20	3.9	335	13	6.1	0.00	24.0	84
02/08/2022 00:30	4.2	330	10	6.0	0.00	24.0	84
02/08/2022 00:40	3.5	332	13	5.5	0.00	24.0	84
02/08/2022 00:50	3.9	331	12	5.4	0.00	24.0	84
02/08/2022 01:00	3.6	330	14	5.5	0.00	24.0	85
02/08/2022 01:10	3.2	323	13	4.8	0.00	24.0	85
02/08/2022 01:20	3.6	314	16	5.1	0.00	24.0	85
02/08/2022 01:30	3.6	314	12	5.1	0.00	24.1	84
02/08/2022 01:40	2.9	320	14	5.0	0.00	24.1	84
02/08/2022 01:50	3.3	312	10	5.0	0.00	24.1	84
02/08/2022 02:00	3.3	318	13	4.9	0.00	24.2	84
02/08/2022 02:10	3.3	319	14	4.8	0.00	24.2	84
02/08/2022 02:20	3.9	320	14	5.8	0.00	24.2	84
02/08/2022 02:30	4.0	316	13	5.9	0.00	24.2	84
02/08/2022 02:40	4.0	315	13	6.7	0.00	24.3	84
02/08/2022 02:50	4.8	308	12	7.1	0.00	24.3	83
02/08/2022 03:00	4.2	308	12	6.2	0.00	24.3	83
02/08/2022 03:10	4.5	313	12	6.6	0.00	24.3	84
02/08/2022 03:20	3.9	317	13	6.4	0.00	24.3	84
02/08/2022 03:30	4.1	314	11	5.5	0.00	24.2	84
02/08/2022 03:40	4.7	311	10	6.6	0.00	24.3	84
02/08/2022 03:50	3.9	316	15	5.5	0.00	24.3	84
02/08/2022 04:00	3.9	319	14	6.2	0.00	24.2	85
02/08/2022 04:10	4.6	315	11	7.4	0.00	24.2	85
02/08/2022 04:20	4.0	320	13	6.3	0.00	24.2	85
02/08/2022 04:30	6.2	287	12	8.6	0.20	23.6	85
02/08/2022 04:40	5.0	255	9	6.6	0.10	21.9	91
02/08/2022 04:50	5.2	249	10	7.5	0.00	21.6	93
02/08/2022 05:00	5.6	257	7	6.9	0.00	21.4	94
02/08/2022 05:10	5.4	254	7	6.6	0.00	21.2	94
02/08/2022 05:20	5.1	254	8	6.8	0.00	21.2	94
02/08/2022 05:30	5.2	254	7	6.9	0.00	21.1	95
02/08/2022 05:40	4.6	251	10	6.6	0.00	21.1	95
02/08/2022 05:50	4.3	248	10	5.7	0.00	21.1	95
02/08/2022 06:00	4.6	240	12	6.9	0.10	21.1	95
02/08/2022 06:10	4.5	238	14	6.7	0.00	21.1	96
02/08/2022 06:20	4.5	237	9	6.7	0.10	20.9	96
02/08/2022 06:30	3.7	238	11	5.2	0.00	20.9	96
02/08/2022 06:40	2.9	202	11	4.7	0.00	20.8	96
02/08/2022 06:50	4.0	223	12	6.4	0.00	20.9	96
02/08/2022 07:00	3.9	231	12	5.2	0.10	21.0	96
02/08/2022 07:10	2.8	239	11	4.6	0.00	21.1	95
02/08/2022 07:20	2.3	239	11	3.6	0.00	21.1	94
02/08/2022 07:30	1.6	248	16	2.9	0.00	21.1	94
02/08/2022 07:40	0.8	234	8	2.1	0.00	21.1	94
02/08/2022 07:50	0.5	208	7	1.6	0.00	21.1	94
02/08/2022 08:00	1.6	255	8	3.1	0.00	21.3	94



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/08/2022 08:10	2.7	260	6	3.5	0.00	21.3	94
02/08/2022 08:20	3.2	250	9	4.5	0.00	21.4	94
02/08/2022 08:30	3.7	244	13	5.6	0.00	21.4	93
02/08/2022 08:40	4.0	235	12	5.9	0.00	21.6	91
02/08/2022 08:50	4.5	233	10	6.2	0.00	21.9	89
02/08/2022 09:00	4.4	229	14	6.7	0.00	22.0	87
02/08/2022 09:10	4.6	222	14	6.7	0.00	22.1	84
02/08/2022 09:20	4.7	221	16	6.9	0.00	22.2	81
02/08/2022 09:30	5.8	230	11	7.8	0.00	22.2	80
02/08/2022 09:40	5.5	216	10	7.6	0.00	22.4	80
02/08/2022 09:50	5.2	219	16	7.4	0.00	22.6	79
02/08/2022 10:00	5.0	219	17	7.1	0.00	22.8	79
02/08/2022 10:10	4.9	221	15	6.9	0.00	22.8	79
02/08/2022 10:20	4.1	204	14	5.9	0.00	22.7	80
02/08/2022 10:30	5.3	213	12	7.3	0.00	22.9	78
02/08/2022 10:40	4.9	195	10	6.8	0.00	22.9	74
02/08/2022 10:50	5.6	207	11	7.6	0.00	22.8	74
02/08/2022 11:00	5.5	209	12	7.6	0.00	22.9	70
02/08/2022 11:10	5.4	213	17	7.2	0.00	23.3	67
02/08/2022 11:20	5.2	222	13	8.1	0.00	23.4	65
02/08/2022 11:30	4.9	209	14	7.2	0.00	23.5	65
02/08/2022 11:40	5.9	225	12	7.4	0.00	23.6	64
02/08/2022 11:50	4.4	219	15	7.0	0.00	24.2	62
02/08/2022 12:00	5.3	238	13	8.1	0.00	24.3	61
02/08/2022 12:10	4.6	234	14	6.2	0.00	24.2	61
02/08/2022 12:20	4.3	220	17	5.9	0.00	24.4	59
02/08/2022 12:30	4.3	235	19	6.5	0.00	24.6	58
02/08/2022 12:40	3.2	223	18	5.0	0.00	24.8	58
02/08/2022 12:50	4.1	217	18	6.0	0.00	24.9	59
02/08/2022 13:00	4.5	231	18	6.9	0.00	25.0	58
02/08/2022 13:10	5.0	229	16	7.2	0.00	25.2	58
02/08/2022 13:20	4.6	235	18	6.6	0.00	25.4	56
02/08/2022 13:30	4.9	278	17	6.7	0.00	25.4	59
02/08/2022 13:40	5.2	282	9	6.6	0.00	25.0	60
02/08/2022 13:50	5.3	279	10	6.7	0.00	24.8	59
02/08/2022 14:00	6.3	270	7	7.7	0.00	25.0	57
02/08/2022 14:10	6.2	271	9	8.0	0.00	25.0	56
02/08/2022 14:20	6.3	278	9	8.3	0.00	25.0	56
02/08/2022 14:30	6.7	272	6	8.3	0.00	24.9	57
02/08/2022 14:40	5.4	273	11	7.2	0.00	25.3	56
02/08/2022 14:50	5.5	279	12	7.3	0.00	25.2	58
02/08/2022 15:00	6.1	269	10	7.7	0.00	25.0	58
02/08/2022 15:10	6.0	267	9	7.9	0.00	25.0	59
02/08/2022 15:20	5.6	273	12	7.7	0.00	25.0	61
02/08/2022 15:30	6.8	271	7	8.3	0.00	24.4	63
02/08/2022 15:40	6.7	269	6	8.5	0.00	24.4	62
02/08/2022 15:50	6.7	273	10	8.3	0.00	24.3	63
02/08/2022 16:00	7.0	273	9	8.6	0.00	24.2	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/08/2022 16:10	6.2	273	10	8.5	0.00	24.2	65
02/08/2022 16:20	6.6	270	9	8.4	0.00	24.0	66
02/08/2022 16:30	6.7	269	10	8.5	0.00	23.9	68
02/08/2022 16:40	6.4	275	8	8.3	0.00	23.7	69
02/08/2022 16:50	6.1	270	9	8.6	0.00	23.5	69
02/08/2022 17:00	6.2	271	10	8.3	0.00	23.4	70
02/08/2022 17:10	6.1	266	10	8.3	0.00	23.2	71
02/08/2022 17:20	7.0	268	10	8.6	0.00	22.9	73
02/08/2022 17:30	6.5	272	8	8.5	0.00	22.8	74
02/08/2022 17:40	6.1	266	11	7.8	0.00	22.5	75
02/08/2022 17:50	5.7	265	9	7.7	0.00	22.4	76
02/08/2022 18:00	6.0	267	8	8.1	0.00	22.3	76
02/08/2022 18:10	5.7	264	9	7.2	0.00	22.3	76
02/08/2022 18:20	5.9	265	8	8.0	0.00	22.3	77
02/08/2022 18:30	6.0	266	7	8.4	0.00	22.2	77
02/08/2022 18:40	5.9	262	9	8.0	0.00	22.2	78
02/08/2022 18:50	5.4	266	7	6.9	0.00	22.1	78
02/08/2022 19:00	4.9	264	8	6.9	0.00	22.1	78
02/08/2022 19:10	4.3	261	8	5.7	0.00	22.0	79
02/08/2022 19:20	5.4	260	7	6.9	0.00	21.9	79
02/08/2022 19:30	5.3	261	8	6.8	0.00	22.0	78
02/08/2022 19:40	4.9	260	7	6.4	0.00	22.0	79
02/08/2022 19:50	5.5	257	8	7.5	0.00	22.0	78
02/08/2022 20:00	4.5	254	7	5.7	0.00	21.8	79
02/08/2022 20:10	4.4	258	7	5.5	0.00	21.7	79
02/08/2022 20:20	4.5	260	7	6.3	0.00	21.8	78
02/08/2022 20:30	4.0	261	6	5.3	0.00	21.7	79
02/08/2022 20:40	4.6	259	6	5.8	0.00	21.6	80
02/08/2022 20:50	4.2	259	7	5.3	0.00	21.6	80
02/08/2022 21:00	4.7	256	5	5.8	0.00	21.5	81
02/08/2022 21:10	4.5	255	6	5.5	0.00	21.4	81
02/08/2022 21:20	4.4	253	6	5.5	0.00	21.3	82
02/08/2022 21:30	4.2	253	6	4.9	0.00	21.0	83
02/08/2022 21:40	4.2	253	6	5.1	0.00	20.8	83
02/08/2022 21:50	3.7	253	5	4.4	0.00	20.5	84
02/08/2022 22:00	3.9	254	6	4.9	0.00	20.6	84
02/08/2022 22:10	3.6	254	8	4.9	0.00	20.6	84
02/08/2022 22:20	3.6	254	9	4.6	0.00	20.6	83
02/08/2022 22:30	4.1	255	8	5.1	0.00	20.5	83
02/08/2022 22:40	4.2	252	8	5.7	0.00	20.5	83
02/08/2022 22:50	4.1	254	5	4.7	0.00	20.5	83
02/08/2022 23:00	3.9	254	4	4.6	0.00	20.4	84
02/08/2022 23:10	4.1	250	6	5.2	0.00	20.5	84
02/08/2022 23:20	4.6	250	6	6.0	0.00	20.6	83
02/08/2022 23:30	4.1	253	6	5.5	0.00	20.6	83
02/08/2022 23:40	4.0	256	8	4.8	0.00	20.1	84
02/08/2022 23:50	4.3	253	7	5.1	0.00	20.2	84
03/08/2022 00:00	4.8	251	8	6.5	0.00	20.5	82





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/08/2022 00:10	4.9	252	8	6.5	0.00	20.3	81
03/08/2022 00:20	4.9	254	8	6.1	0.00	20.1	79
03/08/2022 00:30	4.3	253	9	5.6	0.00	19.9	77
03/08/2022 00:40	4.4	253	6	5.3	0.00	19.8	75
03/08/2022 00:50	4.0	252	10	5.5	0.00	19.8	75
03/08/2022 01:00	4.0	251	9	5.4	0.00	19.7	76
03/08/2022 01:10	3.9	251	10	5.2	0.00	19.7	77
03/08/2022 01:20	4.1	247	11	5.5	0.00	19.6	78
03/08/2022 01:30	4.8	242	10	7.4	0.00	20.1	74
03/08/2022 01:40	4.8	240	11	6.4	0.00	20.1	72
03/08/2022 01:50	4.8	237	11	6.8	0.00	20.1	72
03/08/2022 02:00	4.4	241	12	6.3	0.00	20.0	72
03/08/2022 02:10	4.5	238	11	7.3	0.00	20.0	72
03/08/2022 02:20	4.9	237	11	7.8	0.00	20.1	71
03/08/2022 02:30	5.6	233	10	8.4	0.00	20.0	71
03/08/2022 02:40	6.6	231	12	9.6	0.10	19.9	70
03/08/2022 02:50	6.0	234	11	8.6	0.00	19.8	71
03/08/2022 03:00	5.9	233	9	7.5	0.00	19.6	71
03/08/2022 03:10	6.1	234	11	8.5	0.00	19.6	71
03/08/2022 03:20	6.1	234	11	8.4	0.00	19.5	71
03/08/2022 03:30	6.2	235	10	8.8	0.00	19.5	71
03/08/2022 03:40	5.3	233	13	7.6	0.00	19.4	71
03/08/2022 03:50	5.6	235	11	8.2	0.00	19.3	70
03/08/2022 04:00	6.1	235	9	8.4	0.00	19.2	71
03/08/2022 04:10	5.4	235	12	7.4	0.00	19.2	71
03/08/2022 04:20	5.5	237	10	7.3	0.00	19.1	70
03/08/2022 04:30	5.2	233	10	7.0	0.00	19.1	71
03/08/2022 04:40	6.0	224	11	8.5	0.00	19.2	72
03/08/2022 04:50	5.3	215	13	7.6	0.00	19.0	73
03/08/2022 05:00	5.9	211	13	8.8	0.00	18.8	72
03/08/2022 05:10	6.7	205	10	8.5	0.00	18.6	72
03/08/2022 05:20	6.5	206	9	8.3	0.00	18.5	71
03/08/2022 05:30	6.6	204	10	9.0	0.00	18.4	72
03/08/2022 05:40	6.1	205	9	8.9	0.00	18.3	72
03/08/2022 05:50	5.6	207	10	8.2	0.00	18.3	72
03/08/2022 06:00	5.8	204	9	8.3	0.00	18.2	71
03/08/2022 06:10	5.8	205	10	7.7	0.00	18.1	70
03/08/2022 06:20	5.5	206	9	6.9	0.00	18.0	71
03/08/2022 06:30	5.7	207	9	8.2	0.00	18.0	71
03/08/2022 06:40	6.0	204	9	8.1	0.00	18.1	71
03/08/2022 06:50	5.6	206	11	7.8	0.00	18.0	71
03/08/2022 07:00	5.0	209	12	7.3	0.00	18.0	71
03/08/2022 07:10	5.0	209	13	7.0	0.00	18.0	71
03/08/2022 07:20	4.2	211	14	6.3	0.00	18.1	71
03/08/2022 07:30	5.0	207	10	7.0	0.00	18.2	70
03/08/2022 07:40	5.0	206	11	7.2	0.00	18.3	69
03/08/2022 07:50	5.2	203	9	7.4	0.00	18.4	68
03/08/2022 08:00	4.6	204	10	7.6	0.00	18.6	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/08/2022 08:10	4.5	205	13	7.4	0.00	18.9	66
03/08/2022 08:20	5.4	199	10	8.2	0.00	19.0	65
03/08/2022 08:30	5.9	201	10	8.2	0.00	19.3	64
03/08/2022 08:40	5.4	196	10	7.4	0.00	19.7	63
03/08/2022 08:50	6.1	200	11	8.7	0.00	20.0	61
03/08/2022 09:00	6.6	198	10	8.7	0.00	20.2	60
03/08/2022 09:10	5.7	199	11	8.3	0.00	20.6	59
03/08/2022 09:20	6.9	198	11	9.4	0.00	20.6	57
03/08/2022 09:30	6.7	207	11	9.3	0.00	20.7	57
03/08/2022 09:40	6.1	207	10	8.0	0.00	21.0	57
03/08/2022 09:50	5.8	214	19	8.4	0.00	21.3	56
03/08/2022 10:00	6.3	216	15	9.1	0.00	21.5	56
03/08/2022 10:10	5.5	228	14	7.7	0.00	21.8	55
03/08/2022 10:20	6.0	220	14	8.8	0.00	21.8	55
03/08/2022 10:30	6.2	230	12	8.1	0.00	21.8	54
03/08/2022 10:40	6.1	215	16	8.6	0.00	22.1	54
03/08/2022 10:50	6.2	216	12	9.0	0.00	22.2	53
03/08/2022 11:00	5.4	226	15	7.5	0.00	22.5	52
03/08/2022 11:10	6.2	229	14	8.7	0.00	22.8	51
03/08/2022 11:20	6.4	226	12	8.9	0.00	22.8	51
03/08/2022 11:30	5.8	227	16	8.3	0.00	23.2	50
03/08/2022 11:40	6.3	242	13	8.6	0.00	23.3	49
03/08/2022 11:50	6.3	232	12	9.5	0.00	23.4	50
03/08/2022 12:00	7.0	225	11	9.3	0.00	23.4	49
03/08/2022 12:10	6.2	228	11	9.0	0.00	23.4	49
03/08/2022 12:20	6.7	224	13	9.3	0.00	23.7	49
03/08/2022 12:30	5.6	238	14	8.2	0.00	24.1	47
03/08/2022 12:40	5.7	246	15	7.9	0.00	24.4	46
03/08/2022 12:50	6.1	247	17	8.4	0.00	24.6	47
03/08/2022 13:00	6.9	251	10	9.8	0.00	24.7	46
03/08/2022 13:10	7.6	227	12	10.7	0.00	24.5	46
03/08/2022 13:20	6.5	247	13	9.5	0.00	24.7	46
03/08/2022 13:30	7.7	248	8	10.1	0.00	24.5	46
03/08/2022 13:40	7.3	252	11	10.1	0.00	24.4	49
03/08/2022 13:50	7.6	252	12	10.2	0.00	24.5	50
03/08/2022 14:00	7.3	263	10	10.1	0.00	24.6	51
03/08/2022 14:10	7.9	268	12	10.3	0.00	24.2	53
03/08/2022 14:20	7.7	275	9	10.8	0.00	24.3	53
03/08/2022 14:30	8.1	276	8	10.5	0.00	24.0	55
03/08/2022 14:40	8.0	272	10	10.7	0.00	24.0	56
03/08/2022 14:50	8.7	267	8	11.3	0.00	24.0	56
03/08/2022 15:00	8.2	269	8	10.6	0.00	23.8	56
03/08/2022 15:10	8.4	267	9	11.5	0.00	23.7	58
03/08/2022 15:20	8.4	271	10	11.4	0.00	23.4	58
03/08/2022 15:30	7.5	268	10	10.2	0.00	23.8	57
03/08/2022 15:40	8.2	268	9	10.5	0.00	23.5	56
03/08/2022 15:50	8.4	274	8	11.3	0.00	23.5	54
03/08/2022 16:00	8.7	267	8	10.7	0.00	23.3	56



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/08/2022 16:10	7.9	269	8	10.6	0.00	23.2	58
03/08/2022 16:20	8.1	271	8	10.3	0.00	23.2	58
03/08/2022 16:30	7.5	269	9	9.8	0.00	23.3	57
03/08/2022 16:40	7.9	268	8	10.1	0.00	23.1	57
03/08/2022 16:50	7.6	271	8	10.0	0.00	23.0	59
03/08/2022 17:00	6.9	267	8	8.9	0.00	22.9	60
03/08/2022 17:10	7.1	264	8	9.4	0.00	22.7	60
03/08/2022 17:20	7.1	261	8	9.5	0.00	22.6	60
03/08/2022 17:30	7.6	262	7	10.1	0.00	22.4	60
03/08/2022 17:40	7.1	261	8	9.1	0.00	22.1	62
03/08/2022 17:50	6.4	258	9	9.1	0.00	22.0	64
03/08/2022 18:00	6.7	264	10	9.4	0.00	21.9	64
03/08/2022 18:10	6.5	266	9	8.9	0.00	21.8	66
03/08/2022 18:20	6.8	259	7	8.9	0.00	21.7	66
03/08/2022 18:30	6.8	260	8	9.0	0.00	21.7	67
03/08/2022 18:40	6.5	258	8	8.5	0.00	21.7	68
03/08/2022 18:50	6.7	260	9	9.1	0.00	21.6	69
03/08/2022 19:00	6.8	259	7	9.1	0.00	21.6	69
03/08/2022 19:10	6.5	260	8	8.7	0.00	21.6	69
03/08/2022 19:20	6.3	254	8	8.3	0.00	21.5	69
03/08/2022 19:30	6.3	253	8	8.1	0.00	21.4	69
03/08/2022 19:40	5.6	252	8	7.3	0.00	21.3	70
03/08/2022 19:50	5.3	254	7	6.9	0.00	21.2	71
03/08/2022 20:00	5.0	254	8	6.5	0.00	21.1	71
03/08/2022 20:10	5.0	253	8	7.2	0.00	21.1	72
03/08/2022 20:20	5.0	254	6	6.4	0.00	21.0	72
03/08/2022 20:30	5.1	253	7	6.9	0.00	21.0	73
03/08/2022 20:40	4.6	253	7	6.1	0.00	21.0	73
03/08/2022 20:50	4.4	251	8	5.9	0.00	20.9	74
03/08/2022 21:00	4.4	251	8	5.6	0.00	21.0	74
03/08/2022 21:10	4.3	250	10	6.5	0.00	20.9	75
03/08/2022 21:20	4.4	251	9	6.0	0.00	21.0	76
03/08/2022 21:30	4.8	250	8	6.0	0.00	20.9	77
03/08/2022 21:40	4.4	250	9	6.2	0.00	20.9	77
03/08/2022 21:50	3.5	247	10	4.9	0.00	20.8	77
03/08/2022 22:00	3.8	252	8	4.8	0.00	20.6	78
03/08/2022 22:10	3.7	250	10	5.2	0.00	20.5	79
03/08/2022 22:20	3.9	243	11	5.2	0.00	20.6	78
03/08/2022 22:30	3.9	248	9	5.2	0.00	20.4	78
03/08/2022 22:40	4.1	246	10	6.0	0.00	20.3	79
03/08/2022 22:50	4.6	249	9	5.9	0.00	20.3	78
03/08/2022 23:00	4.2	249	10	5.9	0.00	20.1	77
03/08/2022 23:10	4.2	248	9	5.7	0.00	20.2	77
03/08/2022 23:20	4.2	246	10	5.8	0.00	20.1	77
03/08/2022 23:30	4.4	249	10	6.0	0.00	19.9	77
03/08/2022 23:40	4.4	249	10	6.3	0.00	19.9	77
03/08/2022 23:50	4.2	250	9	5.4	0.00	19.8	77
04/08/2022 00:00	4.8	249	10	6.2	0.00	19.9	77



Yara Pilbara Nitrates- Western Boundary  
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Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/08/2022 00:10	4.9	251	9	6.9	0.00	19.9	77
04/08/2022 00:20	5.5	252	7	7.0	0.00	19.7	77
04/08/2022 00:30	5.8	251	8	7.4	0.00	19.6	76
04/08/2022 00:40	5.1	248	9	7.3	0.00	19.7	75
04/08/2022 00:50	4.4	241	12	6.1	0.00	19.8	74
04/08/2022 01:00	4.8	236	12	6.4	0.00	20.0	73
04/08/2022 01:10	5.2	233	11	7.5	0.00	20.1	72
04/08/2022 01:20	5.1	233	10	7.1	0.00	20.1	73
04/08/2022 01:30	5.6	232	9	7.8	0.00	20.0	73
04/08/2022 01:40	5.8	233	9	7.8	0.00	19.9	73
04/08/2022 01:50	5.7	230	9	7.9	0.00	19.7	74
04/08/2022 02:00	5.5	231	8	7.8	0.00	19.5	75
04/08/2022 02:10	4.4	223	12	6.3	0.00	19.3	76
04/08/2022 02:20	4.6	224	13	6.9	0.00	19.2	77
04/08/2022 02:30	4.4	219	14	6.2	0.00	19.1	76
04/08/2022 02:40	4.2	219	15	6.0	0.00	19.1	77
04/08/2022 02:50	4.6	212	14	6.6	0.00	18.9	77
04/08/2022 03:00	4.7	207	11	6.6	0.00	18.7	77
04/08/2022 03:10	4.3	206	12	6.5	0.00	18.6	77
04/08/2022 03:20	3.5	213	13	5.4	0.00	18.5	77
04/08/2022 03:30	4.9	205	10	6.7	0.00	18.5	77
04/08/2022 03:40	5.6	204	8	7.4	0.00	18.4	77
04/08/2022 03:50	5.4	204	10	7.4	0.00	18.4	77
04/08/2022 04:00	5.3	206	10	7.9	0.00	18.4	77
04/08/2022 04:10	5.4	205	9	7.2	0.00	18.4	77
04/08/2022 04:20	5.5	205	9	7.3	0.00	18.3	77
04/08/2022 04:30	5.8	204	10	7.8	0.00	18.4	76
04/08/2022 04:40	5.5	203	10	7.2	0.00	18.4	76
04/08/2022 04:50	5.2	202	9	7.0	0.00	18.3	76
04/08/2022 05:00	5.0	202	9	6.9	0.00	18.2	76
04/08/2022 05:10	5.5	202	9	7.0	0.00	18.2	76
04/08/2022 05:20	5.1	201	8	7.3	0.00	18.1	76
04/08/2022 05:30	4.4	200	10	6.5	0.00	17.9	77
04/08/2022 05:40	4.7	200	9	6.3	0.00	17.9	77
04/08/2022 05:50	4.6	200	10	6.5	0.00	17.8	77
04/08/2022 06:00	4.9	202	9	6.6	0.00	17.8	77
04/08/2022 06:10	4.4	200	8	6.2	0.00	17.7	78
04/08/2022 06:20	4.5	200	8	6.6	0.00	17.6	78
04/08/2022 06:30	4.1	200	8	6.0	0.00	17.5	78
04/08/2022 06:40	4.1	201	8	5.6	0.00	17.4	79
04/08/2022 06:50	4.5	202	10	6.3	0.00	17.4	79
04/08/2022 07:00	4.5	200	9	6.0	0.00	17.4	79
04/08/2022 07:10	4.3	198	9	6.0	0.00	17.4	79
04/08/2022 07:20	4.4	197	9	5.7	0.00	17.5	79
04/08/2022 07:30	4.4	198	9	5.8	0.00	17.6	79
04/08/2022 07:40	4.4	200	8	6.2	0.00	17.8	78
04/08/2022 07:50	4.6	199	9	6.6	0.00	18.0	77
04/08/2022 08:00	4.5	200	9	6.0	0.00	18.1	77



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/08/2022 08:10	5.1	194	9	6.8	0.00	18.3	76
04/08/2022 08:20	5.1	192	9	6.8	0.00	18.4	75
04/08/2022 08:30	4.2	187	11	6.2	0.00	18.7	74
04/08/2022 08:40	4.7	188	9	6.4	0.00	19.0	73
04/08/2022 08:50	4.5	184	10	6.0	0.00	19.2	72
04/08/2022 09:00	4.2	187	11	5.6	0.00	19.6	70
04/08/2022 09:10	4.8	179	12	6.7	0.00	19.9	68
04/08/2022 09:20	5.3	187	11	7.7	0.00	20.2	64
04/08/2022 09:30	5.6	177	12	8.1	0.00	20.5	60
04/08/2022 09:40	4.8	177	13	6.9	0.00	20.8	59
04/08/2022 09:50	5.2	180	14	7.9	0.00	20.9	58
04/08/2022 10:00	4.9	176	10	6.7	0.00	20.9	58
04/08/2022 10:10	4.6	196	15	6.8	0.00	21.3	57
04/08/2022 10:20	4.5	199	12	7.3	0.00	21.6	55
04/08/2022 10:30	3.9	184	14	6.1	0.00	21.7	54
04/08/2022 10:40	3.9	207	16	6.0	0.00	22.0	53
04/08/2022 10:50	3.6	210	25	5.6	0.00	22.4	51
04/08/2022 11:00	4.3	180	12	5.9	0.00	22.3	51
04/08/2022 11:10	2.9	209	16	4.8	0.00	22.3	51
04/08/2022 11:20	3.7	221	23	6.0	0.00	22.8	49
04/08/2022 11:30	3.6	184	24	6.1	0.00	22.6	49
04/08/2022 11:40	4.1	226	23	7.2	0.00	22.8	49
04/08/2022 11:50	4.4	251	12	6.3	0.00	22.9	48
04/08/2022 12:00	3.1	226	16	5.3	0.00	23.4	46
04/08/2022 12:10	2.9	240	33	5.3	0.00	23.3	47
04/08/2022 12:20	3.3	224	21	5.4	0.00	23.5	46
04/08/2022 12:30	2.9	195	30	4.8	0.00	23.5	45
04/08/2022 12:40	3.1	230	19	4.9	0.00	23.7	44
04/08/2022 12:50	3.1	171	37	5.6	0.00	23.8	44
04/08/2022 13:00	3.2	183	22	5.6	0.00	24.2	42
04/08/2022 13:10	2.5	178	23	4.4	0.00	24.3	42
04/08/2022 13:20	3.8	213	31	6.4	0.00	24.5	42
04/08/2022 13:30	2.5	187	18	4.7	0.00	24.5	41
04/08/2022 13:40	3.7	191	14	5.9	0.00	24.6	41
04/08/2022 13:50	1.9	205	29	3.0	0.00	24.4	41
04/08/2022 14:00	3.0	192	42	5.2	0.00	25.0	40
04/08/2022 14:10	4.0	266	17	5.8	0.00	24.5	44
04/08/2022 14:20	3.5	279	17	6.2	0.00	24.7	43
04/08/2022 14:30	3.9	271	13	5.6	0.00	24.9	43
04/08/2022 14:40	2.8	282	23	4.2	0.00	24.9	43
04/08/2022 14:50	3.2	276	17	4.8	0.00	24.9	43
04/08/2022 15:00	3.6	285	13	5.5	0.00	24.8	44
04/08/2022 15:10	4.4	276	12	5.7	0.00	24.9	44
04/08/2022 15:20	4.3	272	9	5.3	0.00	24.8	44
04/08/2022 15:30	4.2	281	11	6.0	0.00	24.9	44
04/08/2022 15:40	4.1	285	10	5.6	0.00	24.9	44
04/08/2022 15:50	4.5	271	9	5.6	0.00	24.7	44
04/08/2022 16:00	4.6	276	10	6.2	0.00	24.6	43



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/08/2022 16:10	4.6	274	8	5.9	0.00	24.7	44
04/08/2022 16:20	4.6	273	6	5.8	0.00	24.6	43
04/08/2022 16:30	4.1	271	9	5.4	0.00	24.6	45
04/08/2022 16:40	4.5	277	8	5.6	0.00	24.5	44
04/08/2022 16:50	4.6	274	7	5.7	0.00	24.3	44
04/08/2022 17:00	4.3	273	6	5.5	0.00	24.2	45
04/08/2022 17:10	4.5	268	8	5.5	0.00	24.0	46
04/08/2022 17:20	3.9	271	6	4.9	0.00	23.9	47
04/08/2022 17:30	4.2	272	6	5.4	0.00	23.7	46
04/08/2022 17:40	4.2	276	6	5.1	0.00	23.3	50
04/08/2022 17:50	3.9	272	7	5.0	0.00	22.9	53
04/08/2022 18:00	3.6	275	5	4.4	0.00	22.7	55
04/08/2022 18:10	3.1	275	4	3.8	0.00	22.4	54
04/08/2022 18:20	3.0	279	4	3.7	0.00	22.2	56
04/08/2022 18:30	2.8	276	3	3.2	0.00	22.2	56
04/08/2022 18:40	2.6	262	2	2.9	0.00	22.0	59
04/08/2022 18:50	2.7	264	4	3.4	0.00	21.7	63
04/08/2022 19:00	2.4	267	10	3.1	0.00	21.6	60
04/08/2022 19:10	2.7	247	14	4.5	0.00	21.7	54
04/08/2022 19:20	3.7	234	12	5.2	0.00	23.3	43
04/08/2022 19:30	3.8	231	10	5.2	0.00	23.5	41
04/08/2022 19:40	4.1	233	11	5.2	0.00	23.5	40
04/08/2022 19:50	4.1	234	11	6.0	0.00	23.4	41
04/08/2022 20:00	4.7	234	10	6.3	0.00	23.3	40
04/08/2022 20:10	4.8	234	9	6.7	0.00	23.1	42
04/08/2022 20:20	4.6	237	10	6.1	0.00	22.7	44
04/08/2022 20:30	5.3	236	9	6.7	0.00	22.4	45
04/08/2022 20:40	5.4	235	8	6.9	0.00	22.1	46
04/08/2022 20:50	5.8	233	9	7.5	0.00	22.0	47
04/08/2022 21:00	5.2	229	11	7.8	0.00	21.9	48
04/08/2022 21:10	4.6	226	10	7.1	0.00	21.8	48
04/08/2022 21:20	4.5	225	12	6.2	0.00	21.6	47
04/08/2022 21:30	4.1	221	13	5.7	0.00	21.4	47
04/08/2022 21:40	4.2	215	14	6.3	0.00	21.2	46
04/08/2022 21:50	5.8	205	9	8.0	0.00	21.1	45
04/08/2022 22:00	6.2	205	8	8.1	0.00	21.0	44
04/08/2022 22:10	6.0	205	8	7.5	0.00	20.7	44
04/08/2022 22:20	6.0	206	8	7.6	0.00	20.6	44
04/08/2022 22:30	5.6	206	8	7.2	0.00	20.5	45
04/08/2022 22:40	5.0	208	10	6.7	0.00	20.3	43
04/08/2022 22:50	4.6	204	9	6.8	0.00	20.1	43
04/08/2022 23:00	4.9	206	10	6.7	0.00	20.2	42
04/08/2022 23:10	5.1	204	10	8.1	0.00	20.2	41
04/08/2022 23:20	4.2	202	9	6.0	0.00	19.9	42
04/08/2022 23:30	4.3	201	9	6.1	0.00	19.9	42
04/08/2022 23:40	4.7	204	10	6.6	0.00	19.9	42
04/08/2022 23:50	4.5	198	10	6.3	0.00	19.7	42
05/08/2022 00:00	4.7	200	10	6.1	0.00	19.7	42



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
05/08/2022 00:10	4.4	198	9	5.6	0.00	19.6	42
05/08/2022 00:20	3.9	191	9	5.6	0.00	19.3	43
05/08/2022 00:30	3.0	187	11	4.5	0.00	19.0	44
05/08/2022 00:40	3.4	182	9	5.0	0.00	18.8	44
05/08/2022 00:50	3.2	186	11	4.7	0.00	18.7	45
05/08/2022 01:00	3.2	187	11	4.4	0.00	18.5	45
05/08/2022 01:10	3.2	184	9	4.8	0.00	18.5	45
05/08/2022 01:20	3.0	179	11	4.6	0.00	18.5	45
05/08/2022 01:30	2.8	179	11	4.4	0.00	18.4	45
05/08/2022 01:40	2.8	182	13	4.6	0.00	18.4	45
05/08/2022 01:50	3.1	185	10	5.0	0.00	18.3	46
05/08/2022 02:00	3.4	186	11	4.6	0.00	18.4	45
05/08/2022 02:10	3.4	183	11	5.3	0.00	18.6	45
05/08/2022 02:20	3.0	180	12	4.9	0.00	18.5	45
05/08/2022 02:30	2.6	176	13	3.6	0.00	18.4	45
05/08/2022 02:40	2.2	175	14	3.7	0.00	18.2	46
05/08/2022 02:50	2.6	173	11	4.1	0.00	18.3	45
05/08/2022 03:00	2.6	172	13	3.7	0.00	18.1	46
05/08/2022 03:10	2.6	170	10	3.7	0.00	18.0	46
05/08/2022 03:20	2.5	172	11	3.5	0.00	17.9	46
05/08/2022 03:30	2.3	167	15	3.5	0.00	17.9	46
05/08/2022 03:40	2.8	169	12	3.9	0.00	17.7	47
05/08/2022 03:50	2.6	170	14	3.8	0.00	17.6	47
05/08/2022 04:00	2.8	168	12	4.3	0.00	17.5	47
05/08/2022 04:10	2.5	172	11	3.6	0.00	17.4	48
05/08/2022 04:20	1.6	171	9	3.5	0.00	17.3	48
05/08/2022 04:30	2.2	171	9	3.4	0.00	17.3	48
05/08/2022 04:40	1.9	171	11	2.6	0.00	17.4	48
05/08/2022 04:50	2.2	172	9	3.1	0.00	17.4	48
05/08/2022 05:00	2.6	171	8	3.3	0.00	17.3	48
05/08/2022 05:10	2.4	168	11	3.2	0.00	17.3	48
05/08/2022 05:20	2.3	168	11	3.4	0.00	17.3	48
05/08/2022 05:30	1.4	163	10	2.7	0.00	17.2	48
05/08/2022 05:40	1.8	169	12	2.9	0.00	17.3	48
05/08/2022 05:50	1.8	170	12	2.7	0.00	17.4	48
05/08/2022 06:00	0.9	170	13	2.5	0.00	17.3	49
05/08/2022 06:10	1.3	172	13	2.4	0.00	17.2	49
05/08/2022 06:20	1.5	173	13	2.2	0.00	17.2	49
05/08/2022 06:30	1.6	171	14	2.8	0.00	17.1	50
05/08/2022 06:40	1.7	169	12	2.5	0.00	17.0	50
05/08/2022 06:50	0.6	156	12	2.2	0.00	16.9	51
05/08/2022 07:00	0.9	161	15	2.9	0.00	17.0	51
05/08/2022 07:10	1.4	142	15	2.6	0.00	17.3	50
05/08/2022 07:20	2.0	138	13	3.1	0.00	17.5	49
05/08/2022 07:30	1.7	144	20	2.8	0.00	17.9	49
05/08/2022 07:40	2.0	141	13	3.4	0.00	18.1	48
05/08/2022 07:50	2.1	143	14	3.1	0.00	18.5	47
05/08/2022 08:00	1.8	143	15	3.1	0.00	18.7	47



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
05/08/2022 08:10	2.4	133	15	3.7	0.00	19.0	46
05/08/2022 08:20	2.3	126	17	4.1	0.00	19.1	46
05/08/2022 08:30	2.7	133	14	3.7	0.00	18.9	46
05/08/2022 08:40	3.2	115	11	4.7	0.00	18.9	48
05/08/2022 08:50	2.9	123	15	4.0	0.00	18.9	49
05/08/2022 09:00	2.7	118	13	4.1	0.00	19.2	50
05/08/2022 09:10	3.2	118	14	4.8	0.00	19.4	51
05/08/2022 09:20	3.2	114	13	4.9	0.00	19.4	54
05/08/2022 09:30	3.0	118	15	4.6	0.00	19.7	54
05/08/2022 09:40	4.5	115	12	6.0	0.00	20.2	49
05/08/2022 09:50	4.6	93	13	6.2	0.00	20.5	46
05/08/2022 10:00	3.9	99	16	5.2	0.00	20.7	46
05/08/2022 10:10	3.9	103	15	5.5	0.00	20.9	46
05/08/2022 10:20	3.9	110	14	5.4	0.00	21.1	46
05/08/2022 10:30	4.2	98	16	5.5	0.00	21.5	46
05/08/2022 10:40	4.5	102	16	6.5	0.00	22.2	44
05/08/2022 10:50	5.4	102	14	7.7	0.00	22.8	39
05/08/2022 11:00	5.4	95	10	7.7	0.00	22.9	38
05/08/2022 11:10	5.2	94	15	7.0	0.00	22.8	39
05/08/2022 11:20	5.5	80	9	6.9	0.00	22.7	42
05/08/2022 11:30	6.0	70	8	7.7	0.00	22.3	45
05/08/2022 11:40	6.5	71	8	8.1	0.00	22.4	43
05/08/2022 11:50	6.5	70	7	7.8	0.00	22.4	43
05/08/2022 12:00	6.4	72	8	8.2	0.00	22.7	41
05/08/2022 12:10	6.6	81	8	7.9	0.00	23.2	40
05/08/2022 12:20	6.6	79	8	7.9	0.00	23.2	39
05/08/2022 12:30	5.8	82	9	7.5	0.00	23.4	38
05/08/2022 12:40	5.3	76	13	7.6	0.00	23.7	39
05/08/2022 12:50	5.2	72	15	6.9	0.00	23.9	38
05/08/2022 13:00	5.4	57	10	7.4	0.00	23.7	39
05/08/2022 13:10	5.5	56	10	7.2	0.00	23.7	39
05/08/2022 13:20	5.3	55	11	6.9	0.00	23.9	40
05/08/2022 13:30	5.7	52	12	7.1	0.00	24.0	39
05/08/2022 13:40	5.7	47	9	7.3	0.00	24.0	41
05/08/2022 13:50	5.2	52	11	6.7	0.00	24.3	39
05/08/2022 14:00	5.9	59	10	7.8	0.00	24.2	38
05/08/2022 14:10	5.5	45	12	7.3	0.00	24.5	39
05/08/2022 14:20	5.3	59	12	7.2	0.00	24.5	39
05/08/2022 14:30	5.2	51	7	6.6	0.00	24.3	40
05/08/2022 14:40	5.0	55	10	6.5	0.00	24.3	40
05/08/2022 14:50	4.7	45	13	6.0	0.00	24.5	40
05/08/2022 15:00	5.2	45	9	6.5	0.00	24.3	40
05/08/2022 15:10	4.2	43	11	5.9	0.00	24.6	39
05/08/2022 15:20	3.7	55	11	4.5	0.00	24.5	38
05/08/2022 15:30	3.5	52	14	4.8	0.00	24.7	36
05/08/2022 15:40	3.5	41	14	4.6	0.00	24.7	37
05/08/2022 15:50	3.5	53	13	5.2	0.00	24.8	36
05/08/2022 16:00	3.6	46	9	4.6	0.00	24.8	37





Yara Pilbara Nitrates- Western Boundary  
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Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
05/08/2022 16:10	2.8	51	13	3.8	0.00	24.9	34
05/08/2022 16:20	3.2	59	10	4.3	0.00	25.0	36
05/08/2022 16:30	3.1	50	9	4.2	0.00	24.8	35
05/08/2022 16:40	2.8	53	10	3.6	0.00	24.9	35
05/08/2022 16:50	2.9	52	10	3.8	0.00	24.8	36
05/08/2022 17:00	2.8	53	7	3.5	0.00	24.6	37
05/08/2022 17:10	3.1	51	6	3.9	0.00	24.2	40
05/08/2022 17:20	2.2	40	9	3.0	0.00	24.0	40
05/08/2022 17:30	1.9	39	9	2.5	0.00	23.8	40
05/08/2022 17:40	1.8	187	12	2.7	0.00	23.3	42
05/08/2022 17:50	2.1	340	9	2.8	0.00	22.9	43
05/08/2022 18:00	2.2	342	10	3.0	0.00	22.8	43
05/08/2022 18:10	1.7	323	9	2.3	0.00	22.7	45
05/08/2022 18:20	1.7	317	12	2.5	0.00	22.5	46
05/08/2022 18:30	2.6	309	5	3.3	0.00	22.4	46
05/08/2022 18:40	2.1	302	9	2.9	0.00	22.5	46
05/08/2022 18:50	2.5	274	13	3.7	0.00	21.9	53
05/08/2022 19:00	3.8	255	3	4.4	0.00	21.0	65
05/08/2022 19:10	3.9	255	5	4.6	0.00	20.6	68
05/08/2022 19:20	3.7	254	8	5.0	0.00	20.5	67
05/08/2022 19:30	4.8	253	5	5.6	0.00	20.3	67
05/08/2022 19:40	4.4	254	4	5.3	0.00	20.1	67
05/08/2022 19:50	4.3	253	5	5.2	0.00	20.1	66
05/08/2022 20:00	4.4	252	7	5.4	0.00	19.9	67
05/08/2022 20:10	4.3	257	5	4.9	0.00	19.7	68
05/08/2022 20:20	3.9	256	5	4.7	0.00	19.6	68
05/08/2022 20:30	4.0	252	5	4.9	0.00	19.5	69
05/08/2022 20:40	3.9	252	9	5.0	0.00	19.4	70
05/08/2022 20:50	3.9	257	7	5.0	0.00	19.3	70
05/08/2022 21:00	3.8	257	6	4.6	0.00	19.2	71
05/08/2022 21:10	3.6	257	7	4.7	0.00	19.1	71
05/08/2022 21:20	3.3	260	6	4.2	0.00	18.9	72
05/08/2022 21:30	3.4	260	6	4.1	0.00	18.7	73
05/08/2022 21:40	3.7	259	6	4.3	0.00	18.6	73
05/08/2022 21:50	3.6	258	7	4.5	0.00	18.7	72
05/08/2022 22:00	3.5	258	7	4.3	0.00	18.8	72
05/08/2022 22:10	3.7	259	7	4.7	0.00	18.8	72
05/08/2022 22:20	3.4	260	9	4.4	0.00	18.8	72
05/08/2022 22:30	3.3	259	9	4.1	0.00	18.7	72
05/08/2022 22:40	3.3	253	9	4.6	0.00	18.6	73
05/08/2022 22:50	3.5	247	10	4.7	0.00	18.7	72
05/08/2022 23:00	3.7	256	7	4.4	0.00	18.4	72
05/08/2022 23:10	3.5	260	6	4.0	0.00	18.2	73
05/08/2022 23:20	3.5	261	5	4.1	0.00	18.0	74
05/08/2022 23:30	3.6	260	8	4.3	0.00	18.0	75
05/08/2022 23:40	3.7	260	8	4.4	0.00	18.1	75
05/08/2022 23:50	3.7	261	7	5.0	0.00	18.1	75
06/08/2022 00:00	3.7	265	5	4.2	0.00	17.8	76



Yara Pilbara Nitrates- Western Boundary  
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Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/08/2022 00:10	3.8	268	6	4.3	0.00	17.8	76
06/08/2022 00:20	3.8	271	5	4.4	0.00	17.9	76
06/08/2022 00:30	3.7	275	6	4.5	0.00	18.0	75
06/08/2022 00:40	3.8	275	5	4.3	0.00	18.0	74
06/08/2022 00:50	3.6	273	6	4.3	0.00	17.8	74
06/08/2022 01:00	3.7	268	4	4.1	0.00	17.7	74
06/08/2022 01:10	3.8	268	4	4.3	0.00	17.6	74
06/08/2022 01:20	4.0	270	5	4.5	0.00	17.7	74
06/08/2022 01:30	3.8	270	5	4.7	0.00	17.6	73
06/08/2022 01:40	3.7	270	5	4.3	0.00	17.5	73
06/08/2022 01:50	3.5	268	5	4.2	0.00	17.5	73
06/08/2022 02:00	3.1	270	8	4.1	0.00	17.5	72
06/08/2022 02:10	0.5	216	12	1.8	0.00	17.2	73
06/08/2022 02:20	0.0	142	7	0.3	0.00	17.3	73
06/08/2022 02:30	0.2	193	17	1.2	0.00	17.4	71
06/08/2022 02:40	0.5	204	15	2.2	0.00	18.1	68
06/08/2022 02:50	1.8	169	17	3.1	0.00	18.7	63
06/08/2022 03:00	2.4	165	14	3.5	0.00	19.0	60
06/08/2022 03:10	2.5	159	10	3.2	0.00	18.3	62
06/08/2022 03:20	2.7	168	8	3.7	0.00	18.2	61
06/08/2022 03:30	1.7	127	25	2.6	0.00	17.9	62
06/08/2022 03:40	0.2	41	6	1.1	0.00	16.6	68
06/08/2022 03:50	0.2	85	15	1.7	0.00	16.5	68
06/08/2022 04:00	1.8	123	10	2.5	0.00	17.3	66
06/08/2022 04:10	1.9	116	10	2.5	0.00	17.5	67
06/08/2022 04:20	2.0	121	10	2.6	0.00	17.6	65
06/08/2022 04:30	2.0	118	9	2.7	0.00	17.8	66
06/08/2022 04:40	1.6	109	14	2.5	0.00	17.7	67
06/08/2022 04:50	2.3	114	8	2.9	0.00	17.7	67
06/08/2022 05:00	1.8	118	11	2.5	0.00	17.5	66
06/08/2022 05:10	1.8	115	12	2.6	0.00	17.7	64
06/08/2022 05:20	1.3	123	13	2.8	0.00	17.7	61
06/08/2022 05:30	1.3	114	13	2.5	0.00	17.8	59
06/08/2022 05:40	2.1	115	13	2.8	0.00	17.8	57
06/08/2022 05:50	0.9	108	10	2.2	0.00	17.7	57
06/08/2022 06:00	0.4	74	21	1.9	0.00	17.1	60
06/08/2022 06:10	0.8	73	19	2.3	0.00	17.0	61
06/08/2022 06:20	1.9	112	18	3.4	0.00	17.4	58
06/08/2022 06:30	2.4	113	11	3.6	0.00	17.9	57
06/08/2022 06:40	1.1	107	15	2.7	0.00	17.5	60
06/08/2022 06:50	0.7	119	15	2.7	0.00	17.3	61
06/08/2022 07:00	3.5	108	12	5.3	0.00	18.3	56
06/08/2022 07:10	4.0	112	12	6.7	0.00	19.0	53
06/08/2022 07:20	4.5	112	9	6.0	0.00	19.3	51
06/08/2022 07:30	4.2	113	10	6.0	0.00	19.5	50
06/08/2022 07:40	4.1	113	11	5.6	0.00	19.7	48
06/08/2022 07:50	4.2	108	11	5.8	0.00	19.9	47
06/08/2022 08:00	4.2	112	11	6.0	0.00	19.8	47



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/08/2022 08:10	4.3	110	11	6.2	0.00	20.0	45
06/08/2022 08:20	3.8	109	14	5.8	0.00	19.8	45
06/08/2022 08:30	4.3	107	12	5.9	0.00	19.9	45
06/08/2022 08:40	3.8	113	11	5.3	0.00	20.1	44
06/08/2022 08:50	3.1	111	14	4.6	0.00	20.2	44
06/08/2022 09:00	3.3	116	13	4.8	0.00	20.2	43
06/08/2022 09:10	3.0	113	13	4.3	0.00	20.3	45
06/08/2022 09:20	3.2	112	14	4.7	0.00	20.7	46
06/08/2022 09:30	4.6	104	16	6.8	0.00	21.4	40
06/08/2022 09:40	5.2	90	12	7.8	0.00	21.6	39
06/08/2022 09:50	6.2	79	9	8.3	0.00	21.7	38
06/08/2022 10:00	5.9	87	13	7.8	0.00	21.7	39
06/08/2022 10:10	6.6	72	9	8.6	0.00	21.6	40
06/08/2022 10:20	7.4	75	7	9.4	0.00	21.5	40
06/08/2022 10:30	7.0	70	7	8.3	0.00	21.5	40
06/08/2022 10:40	6.5	71	8	8.5	0.00	21.7	41
06/08/2022 10:50	6.2	71	9	8.3	0.00	22.0	41
06/08/2022 11:00	6.6	70	8	8.8	0.00	22.0	42
06/08/2022 11:10	6.1	77	9	7.8	0.00	22.0	43
06/08/2022 11:20	6.0	82	8	7.6	0.00	22.4	43
06/08/2022 11:30	5.8	71	8	7.6	0.00	22.3	44
06/08/2022 11:40	6.5	74	9	9.1	0.00	22.7	44
06/08/2022 11:50	7.2	75	9	8.8	0.00	23.2	41
06/08/2022 12:00	7.3	76	8	9.4	0.00	23.4	39
06/08/2022 12:10	7.2	79	8	9.2	0.00	23.3	40
06/08/2022 12:20	5.8	72	11	8.0	0.00	24.0	40
06/08/2022 12:30	5.9	60	13	7.7	0.00	24.1	40
06/08/2022 12:40	6.9	50	9	8.8	0.00	23.7	41
06/08/2022 12:50	6.6	53	8	9.3	0.00	23.6	40
06/08/2022 13:00	6.7	50	10	8.3	0.00	23.8	40
06/08/2022 13:10	7.0	55	9	8.7	0.00	23.6	40
06/08/2022 13:20	6.9	56	10	8.8	0.00	23.7	40
06/08/2022 13:30	6.4	59	12	8.1	0.00	24.0	39
06/08/2022 13:40	6.7	48	8	8.8	0.00	23.9	39
06/08/2022 13:50	6.5	47	11	8.1	0.00	24.2	38
06/08/2022 14:00	6.3	51	9	8.5	0.00	24.3	37
06/08/2022 14:10	6.5	40	9	8.5	0.00	24.3	36
06/08/2022 14:20	6.2	42	8	8.0	0.00	24.4	35
06/08/2022 14:30	6.1	40	9	7.7	0.00	24.6	33
06/08/2022 14:40	5.8	43	10	7.5	0.00	24.6	34
06/08/2022 14:50	5.6	47	10	7.3	0.00	24.6	34
06/08/2022 15:00	5.6	45	6	7.0	0.00	24.6	34
06/08/2022 15:10	5.4	47	10	7.1	0.00	24.8	32
06/08/2022 15:20	5.0	47	10	6.3	0.00	25.0	31
06/08/2022 15:30	5.0	44	10	6.6	0.00	25.2	29
06/08/2022 15:40	5.3	50	7	6.6	0.00	25.0	28
06/08/2022 15:50	4.1	45	14	5.5	0.00	25.6	27
06/08/2022 16:00	4.2	56	10	5.2	0.00	25.6	26



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/08/2022 16:10	4.3	54	9	5.2	0.00	25.5	27
06/08/2022 16:20	4.0	47	12	5.2	0.00	25.6	30
06/08/2022 16:30	3.6	42	16	5.0	0.00	25.3	32
06/08/2022 16:40	3.6	42	10	4.8	0.00	25.3	31
06/08/2022 16:50	4.2	19	13	5.6	0.00	24.9	35
06/08/2022 17:00	4.4	7	8	5.6	0.00	24.5	38
06/08/2022 17:10	4.6	7	9	5.6	0.00	24.1	40
06/08/2022 17:20	4.4	8	8	5.8	0.00	23.9	40
06/08/2022 17:30	4.1	11	8	5.2	0.00	23.7	40
06/08/2022 17:40	3.8	10	8	4.9	0.00	23.4	40
06/08/2022 17:50	3.4	0	9	4.3	0.00	23.0	43
06/08/2022 18:00	3.7	352	10	4.4	0.00	22.6	49
06/08/2022 18:10	3.6	351	7	4.8	0.00	22.4	53
06/08/2022 18:20	4.0	354	8	5.0	0.00	22.3	52
06/08/2022 18:30	3.5	348	10	4.5	0.00	22.1	53
06/08/2022 18:40	2.9	333	6	3.8	0.00	22.1	53
06/08/2022 18:50	3.0	333	10	3.9	0.00	22.0	55
06/08/2022 19:00	3.5	341	7	4.3	0.00	22.0	55
06/08/2022 19:10	3.7	350	6	4.3	0.00	22.0	54
06/08/2022 19:20	3.1	346	6	3.9	0.00	21.8	56
06/08/2022 19:30	3.3	342	7	4.1	0.00	21.8	56
06/08/2022 19:40	3.2	351	14	4.3	0.00	21.8	57
06/08/2022 19:50	3.1	351	8	4.1	0.00	21.5	58
06/08/2022 20:00	3.3	348	7	4.3	0.00	21.8	57
06/08/2022 20:10	2.7	337	7	3.7	0.00	21.7	57
06/08/2022 20:20	2.7	330	6	3.6	0.00	21.7	57
06/08/2022 20:30	2.4	325	7	3.0	0.00	21.5	58
06/08/2022 20:40	2.2	332	6	2.7	0.00	21.4	59
06/08/2022 20:50	2.2	328	4	2.8	0.00	21.1	60
06/08/2022 21:00	0.8	304	9	1.6	0.00	20.7	62
06/08/2022 21:10	0.0	302	7	0.0	0.00	20.7	62
06/08/2022 21:20	0.0	230	10	0.0	0.00	20.5	63
06/08/2022 21:30	0.0	220	7	0.0	0.00	20.4	65
06/08/2022 21:40	0.0	261	1	0.0	0.00	20.2	67
06/08/2022 21:50	0.0	262	1	0.0	0.00	20.2	67
06/08/2022 22:00	0.0	263	1	0.0	0.00	20.0	69
06/08/2022 22:10	1.1	265	2	2.1	0.00	19.6	70
06/08/2022 22:20	1.7	273	5	2.3	0.00	19.6	72
06/08/2022 22:30	1.7	280	2	2.3	0.00	19.3	73
06/08/2022 22:40	1.7	259	5	2.3	0.00	19.0	73
06/08/2022 22:50	0.1	241	3	0.8	0.00	19.2	72
06/08/2022 23:00	0.0	260	3	0.0	0.00	19.0	73
06/08/2022 23:10	0.0	262	1	0.0	0.00	18.6	74
06/08/2022 23:20	0.0	281	3	0.0	0.00	18.7	75
06/08/2022 23:30	0.0	280	2	0.0	0.00	18.5	75
06/08/2022 23:40	0.0	265	2	0.0	0.00	18.4	76
06/08/2022 23:50	0.0	256	2	0.0	0.00	18.6	76
07/08/2022 00:00	0.0	286	4	0.0	0.00	18.7	75



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
07/08/2022 00:10	0.0	275	2	0.0	0.00	18.7	74
07/08/2022 00:20	0.2	210	20	1.1	0.00	18.4	74
07/08/2022 00:30	0.6	167	9	2.0	0.00	18.4	73
07/08/2022 00:40	0.9	236	15	2.4	0.00	18.9	71
07/08/2022 00:50	1.2	229	18	2.6	0.00	18.8	70
07/08/2022 01:00	0.5	231	16	1.8	0.00	18.6	70
07/08/2022 01:10	1.1	220	29	2.6	0.00	18.7	69
07/08/2022 01:20	1.0	217	21	2.5	0.00	19.2	67
07/08/2022 01:30	0.0	227	13	0.7	0.00	19.1	66
07/08/2022 01:40	0.7	240	17	2.2	0.00	18.8	66
07/08/2022 01:50	1.2	227	19	2.7	0.00	18.8	66
07/08/2022 02:00	0.1	238	11	1.1	0.00	18.1	67
07/08/2022 02:10	2.2	189	12	3.2	0.00	18.1	68
07/08/2022 02:20	2.0	181	7	2.6	0.00	18.3	66
07/08/2022 02:30	1.6	221	14	3.0	0.00	18.4	67
07/08/2022 02:40	2.2	200	15	3.3	0.00	18.6	66
07/08/2022 02:50	2.1	154	9	2.9	0.00	19.0	64
07/08/2022 03:00	2.9	166	11	3.7	0.00	19.0	64
07/08/2022 03:10	1.5	185	13	2.8	0.00	18.8	65
07/08/2022 03:20	0.0	251	7	0.0	0.00	18.3	67
07/08/2022 03:30	0.3	229	13	1.3	0.00	17.9	68
07/08/2022 03:40	0.8	242	16	2.3	0.00	17.3	70
07/08/2022 03:50	0.4	226	9	1.8	0.00	17.7	70
07/08/2022 04:00	1.4	219	13	2.5	0.00	17.9	69
07/08/2022 04:10	1.2	234	10	2.5	0.00	17.9	69
07/08/2022 04:20	1.0	232	16	2.0	0.00	17.5	71
07/08/2022 04:30	1.7	200	15	3.8	0.00	18.0	71
07/08/2022 04:40	3.1	197	13	4.7	0.00	18.6	69
07/08/2022 04:50	2.0	182	13	3.2	0.00	18.4	69
07/08/2022 05:00	2.7	185	12	3.7	0.00	18.6	66
07/08/2022 05:10	1.9	176	14	2.8	0.00	18.3	67
07/08/2022 05:20	1.1	189	33	3.0	0.00	18.0	70
07/08/2022 05:30	0.2	165	25	0.9	0.00	17.5	71
07/08/2022 05:40	0.9	28	15	1.9	0.00	17.1	73
07/08/2022 05:50	0.0	134	22	0.1	0.00	16.8	74
07/08/2022 06:00	0.0	116	9	0.0	0.00	16.8	72
07/08/2022 06:10	0.1	40	10	2.2	0.00	16.7	73
07/08/2022 06:20	0.3	87	26	1.7	0.00	16.9	72
07/08/2022 06:30	0.9	87	25	2.3	0.00	16.8	71
07/08/2022 06:40	0.6	143	20	2.5	0.00	16.9	70
07/08/2022 06:50	2.9	166	16	4.4	0.00	17.5	68
07/08/2022 07:00	3.2	173	12	4.6	0.00	17.6	66
07/08/2022 07:10	3.3	169	12	4.5	0.00	17.7	65
07/08/2022 07:20	2.3	158	20	4.9	0.00	17.9	64
07/08/2022 07:30	2.2	152	23	4.3	0.00	18.0	64
07/08/2022 07:40	0.9	132	20	2.7	0.00	18.3	63
07/08/2022 07:50	0.7	123	8	2.4	0.00	18.9	61
07/08/2022 08:00	1.4	124	16	2.6	0.00	19.3	58



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
07/08/2022 08:10	1.5	123	17	2.6	0.00	19.8	55
07/08/2022 08:20	1.7	124	17	3.4	0.00	20.0	52
07/08/2022 08:30	2.5	123	16	3.9	0.00	20.1	51
07/08/2022 08:40	3.1	118	14	4.4	0.00	19.7	54
07/08/2022 08:50	2.8	122	15	4.3	0.00	19.8	55
07/08/2022 09:00	3.1	119	17	4.7	0.00	20.0	53
07/08/2022 09:10	3.1	117	15	4.4	0.00	20.2	53
07/08/2022 09:20	3.4	115	14	5.2	0.00	20.4	51
07/08/2022 09:30	3.3	119	11	4.7	0.00	20.3	55
07/08/2022 09:40	3.9	112	11	5.5	0.00	21.0	50
07/08/2022 09:50	4.8	112	9	6.0	0.00	21.5	44
07/08/2022 10:00	4.8	112	9	6.3	0.00	21.9	38
07/08/2022 10:10	4.8	114	10	6.5	0.00	22.3	38
07/08/2022 10:20	4.6	108	13	6.0	0.00	22.7	36
07/08/2022 10:30	4.9	104	15	7.3	0.00	23.2	32
07/08/2022 10:40	5.0	106	14	7.0	0.00	23.2	32
07/08/2022 10:50	4.6	94	14	7.0	0.00	23.8	30
07/08/2022 11:00	5.6	88	10	7.1	0.00	23.6	30
07/08/2022 11:10	5.1	91	11	7.1	0.00	23.7	30
07/08/2022 11:20	5.3	81	10	6.8	0.00	23.5	29
07/08/2022 11:30	4.8	78	10	6.3	0.00	23.9	29
07/08/2022 11:40	5.2	82	8	7.0	0.00	23.8	30
07/08/2022 11:50	5.2	84	8	6.7	0.00	23.8	29
07/08/2022 12:00	5.4	76	10	6.7	0.00	24.0	27
07/08/2022 12:10	5.7	68	8	7.2	0.00	24.2	25
07/08/2022 12:20	6.1	65	7	7.4	0.00	24.1	25
07/08/2022 12:30	6.4	68	7	7.8	0.00	24.0	26
07/08/2022 12:40	6.8	70	7	8.1	0.00	23.9	25
07/08/2022 12:50	6.6	76	9	8.3	0.00	24.0	25
07/08/2022 13:00	6.2	80	9	7.9	0.00	24.3	25
07/08/2022 13:10	5.8	74	12	7.5	0.00	24.6	26
07/08/2022 13:20	6.5	75	9	9.0	0.00	24.7	24
07/08/2022 13:30	5.7	60	10	7.6	0.00	24.9	24
07/08/2022 13:40	5.7	57	10	7.4	0.00	24.8	25
07/08/2022 13:50	5.5	51	11	7.2	0.00	25.0	24
07/08/2022 14:00	4.7	45	11	6.8	0.00	25.1	26
07/08/2022 14:10	5.0	46	10	6.2	0.00	25.1	25
07/08/2022 14:20	4.8	46	9	5.7	0.00	25.1	25
07/08/2022 14:30	4.3	58	11	5.5	0.00	25.5	23
07/08/2022 14:40	4.5	60	9	5.6	0.00	25.5	23
07/08/2022 14:50	4.4	54	10	5.4	0.00	25.3	24
07/08/2022 15:00	4.4	54	12	5.3	0.00	25.4	24
07/08/2022 15:10	4.5	48	11	5.5	0.00	25.5	24
07/08/2022 15:20	4.3	47	10	5.3	0.00	25.6	22
07/08/2022 15:30	4.1	53	11	5.2	0.00	25.7	22
07/08/2022 15:40	3.5	53	11	4.6	0.00	26.0	22
07/08/2022 15:50	3.9	56	9	4.9	0.00	25.8	21
07/08/2022 16:00	3.8	50	10	4.9	0.00	25.9	21



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
07/08/2022 16:10	3.4	45	9	4.4	0.00	26.0	21
07/08/2022 16:20	3.4	52	9	4.2	0.00	25.9	21
07/08/2022 16:30	2.9	49	12	3.7	0.00	26.0	20
07/08/2022 16:40	2.7	173	18	4.2	0.00	25.8	26
07/08/2022 16:50	2.9	341	11	3.9	0.00	25.0	34
07/08/2022 17:00	3.1	347	12	4.2	0.00	24.8	37
07/08/2022 17:10	3.4	342	7	4.3	0.00	24.4	38
07/08/2022 17:20	3.2	336	9	4.4	0.00	24.0	40
07/08/2022 17:30	3.4	335	7	4.4	0.00	23.6	44
07/08/2022 17:40	3.2	335	8	4.7	0.00	23.3	43
07/08/2022 17:50	3.5	346	10	4.8	0.00	22.8	46
07/08/2022 18:00	3.3	181	10	4.1	0.00	22.8	44
07/08/2022 18:10	4.0	357	9	5.0	0.00	22.6	45
07/08/2022 18:20	4.1	346	7	4.9	0.00	22.5	45
07/08/2022 18:30	3.4	341	7	4.6	0.00	22.4	46
07/08/2022 18:40	3.7	333	6	4.7	0.00	22.4	48
07/08/2022 18:50	3.8	336	5	4.9	0.00	22.3	48
07/08/2022 19:00	4.0	342	5	4.7	0.00	22.3	49
07/08/2022 19:10	3.8	343	6	4.6	0.00	22.2	51
07/08/2022 19:20	3.7	337	5	4.7	0.00	22.3	50
07/08/2022 19:30	3.4	334	8	4.4	0.00	22.3	50
07/08/2022 19:40	3.4	332	7	4.4	0.00	22.3	52
07/08/2022 19:50	3.5	334	7	4.5	0.00	22.2	52
07/08/2022 20:00	2.9	332	7	4.1	0.00	22.1	53
07/08/2022 20:10	2.4	291	11	3.5	0.00	21.9	55
07/08/2022 20:20	2.6	268	3	3.1	0.00	21.3	58
07/08/2022 20:30	2.4	273	4	2.9	0.00	21.2	59
07/08/2022 20:40	3.0	263	4	3.5	0.00	21.0	62
07/08/2022 20:50	3.5	255	4	4.2	0.00	20.1	66
07/08/2022 21:00	3.6	257	4	4.0	0.00	20.0	64
07/08/2022 21:10	3.3	261	4	3.8	0.00	20.1	63
07/08/2022 21:20	2.8	263	4	3.4	0.00	20.2	64
07/08/2022 21:30	2.9	266	3	3.3	0.00	20.6	64
07/08/2022 21:40	3.2	267	4	3.6	0.00	20.6	64
07/08/2022 21:50	3.2	267	3	3.6	0.00	20.5	64
07/08/2022 22:00	2.4	268	3	2.7	0.00	20.5	65
07/08/2022 22:10	2.5	264	2	2.9	0.00	20.4	67
07/08/2022 22:20	2.6	265	1	2.9	0.00	20.3	68
07/08/2022 22:30	2.8	264	1	3.0	0.00	20.2	68
07/08/2022 22:40	3.0	262	1	3.2	0.00	20.2	69
07/08/2022 22:50	3.0	261	2	3.3	0.00	20.0	70
07/08/2022 23:00	3.4	256	3	4.0	0.00	19.8	71
07/08/2022 23:10	3.3	256	3	3.9	0.00	19.5	72
07/08/2022 23:20	3.4	256	4	3.8	0.00	19.6	72
07/08/2022 23:30	3.4	257	4	4.1	0.00	19.7	72
07/08/2022 23:40	3.5	257	5	4.4	0.00	19.7	72
07/08/2022 23:50	3.2	260	5	4.1	0.00	19.6	71
08/08/2022 00:00	2.9	266	5	3.4	0.00	19.7	70



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
08/08/2022 00:10	2.3	268	5	3.0	0.00	19.5	70
08/08/2022 00:20	2.7	267	7	3.4	0.00	19.7	72
08/08/2022 00:30	3.1	270	4	3.6	0.00	20.0	73
08/08/2022 00:40	2.9	270	4	3.4	0.00	19.9	74
08/08/2022 00:50	3.0	269	4	3.4	0.00	19.8	74
08/08/2022 01:00	3.1	265	5	3.5	0.00	19.2	75
08/08/2022 01:10	3.3	250	9	4.2	0.00	19.1	75
08/08/2022 01:20	3.4	263	5	3.9	0.00	18.9	77
08/08/2022 01:30	3.7	262	4	4.5	0.00	18.5	77
08/08/2022 01:40	3.5	264	4	4.0	0.00	18.4	77
08/08/2022 01:50	3.9	266	3	4.3	0.00	18.5	77
08/08/2022 02:00	3.8	265	3	4.3	0.00	18.5	76
08/08/2022 02:10	3.6	262	5	4.2	0.00	18.5	75
08/08/2022 02:20	3.6	266	4	4.0	0.00	18.4	75
08/08/2022 02:30	3.8	267	4	4.4	0.00	18.5	76
08/08/2022 02:40	3.8	269	4	4.2	0.00	18.5	76
08/08/2022 02:50	4.1	266	5	4.6	0.00	18.4	77
08/08/2022 03:00	3.9	265	4	4.6	0.00	18.4	77
08/08/2022 03:10	3.4	267	5	3.9	0.00	18.4	78
08/08/2022 03:20	3.5	265	5	4.2	0.00	18.3	78
08/08/2022 03:30	3.6	262	5	4.3	0.00	18.3	78
08/08/2022 03:40	3.7	261	6	4.5	0.00	18.3	79
08/08/2022 03:50	3.8	266	4	4.3	0.00	18.1	79
08/08/2022 04:00	3.5	266	5	4.0	0.00	18.1	78
08/08/2022 04:10	3.6	267	4	4.0	0.00	18.2	76
08/08/2022 04:20	3.6	267	5	4.1	0.00	18.2	75
08/08/2022 04:30	3.4	266	5	4.0	0.00	18.3	74
08/08/2022 04:40	3.4	265	4	3.9	0.00	18.1	75
08/08/2022 04:50	3.6	262	4	4.3	0.00	18.1	76
08/08/2022 05:00	3.2	256	5	3.9	0.00	18.1	77
08/08/2022 05:10	3.1	256	5	3.7	0.00	18.1	78
08/08/2022 05:20	3.2	256	6	3.8	0.00	18.0	80
08/08/2022 05:30	3.3	261	5	3.9	0.00	17.7	81
08/08/2022 05:40	3.3	262	5	4.1	0.00	17.6	82
08/08/2022 05:50	3.5	267	4	4.0	0.00	17.7	83
08/08/2022 06:00	2.7	265	5	3.3	0.00	17.5	85
08/08/2022 06:10	3.1	263	8	3.6	0.00	17.6	85
08/08/2022 06:20	3.3	253	10	4.5	0.00	17.9	84
08/08/2022 06:30	3.6	255	9	4.3	0.00	18.1	83
08/08/2022 06:40	2.6	261	8	3.9	0.00	17.9	83
08/08/2022 06:50	1.1	271	8	2.7	0.00	17.4	84
08/08/2022 07:00	0.0	271	0	0.4	0.00	17.4	85
08/08/2022 07:10	0.0	207	8	0.8	0.00	17.6	85
08/08/2022 07:20	0.0	184	13	0.0	0.00	18.1	84
08/08/2022 07:30	0.0	262	1	0.1	0.00	18.5	81
08/08/2022 07:40	0.3	258	5	1.7	0.00	19.0	78
08/08/2022 07:50	0.0	222	2	0.1	0.00	19.4	76
08/08/2022 08:00	1.0	188	4	2.3	0.00	19.6	73





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
08/08/2022 08:10	0.1	208	2	1.5	0.10	19.9	71
08/08/2022 08:20	1.2	184	12	2.8	0.00	20.0	70
08/08/2022 08:30	1.0	163	21	2.7	0.00	20.9	66
08/08/2022 08:40	2.1	174	14	2.8	0.00	21.2	60
08/08/2022 08:50	1.4	151	23	2.5	0.00	21.8	57
08/08/2022 09:00	2.3	105	18	2.9	0.00	22.6	56
08/08/2022 09:10	2.4	110	10	3.1	0.00	22.5	55
08/08/2022 09:20	2.2	103	15	2.9	0.00	22.5	54
08/08/2022 09:30	2.1	103	14	3.2	0.00	22.7	50
08/08/2022 09:40	2.1	114	14	2.8	0.00	22.7	48
08/08/2022 09:50	2.0	114	18	3.0	0.00	23.0	45
08/08/2022 10:00	2.1	118	18	3.1	0.00	23.3	42
08/08/2022 10:10	1.7	124	19	3.1	0.00	23.6	39
08/08/2022 10:20	2.3	123	21	3.4	0.00	23.9	37
08/08/2022 10:30	1.8	81	22	3.3	0.00	24.1	37
08/08/2022 10:40	1.9	92	19	2.9	0.00	24.8	35
08/08/2022 10:50	2.8	70	12	4.0	0.00	24.5	34
08/08/2022 11:00	2.9	83	15	4.1	0.00	24.5	33
08/08/2022 11:10	2.2	128	16	3.2	0.00	25.5	30
08/08/2022 11:20	1.9	113	21	2.9	0.00	25.8	28
08/08/2022 11:30	2.3	91	21	3.4	0.00	26.0	27
08/08/2022 11:40	2.4	83	22	3.6	0.00	25.8	28
08/08/2022 11:50	1.7	110	17	2.9	0.00	26.1	27
08/08/2022 12:00	1.7	120	20	2.9	0.00	26.9	26
08/08/2022 12:10	2.1	113	22	3.6	0.00	27.2	25
08/08/2022 12:20	1.9	98	24	3.3	0.00	27.3	23
08/08/2022 12:30	2.1	114	24	3.1	0.00	27.5	23
08/08/2022 12:40	1.6	93	29	2.8	0.00	27.6	23
08/08/2022 12:50	2.6	63	14	3.8	0.00	27.2	24
08/08/2022 13:00	2.2	97	22	3.4	0.00	27.6	22
08/08/2022 13:10	2.5	45	17	3.7	0.00	27.0	26
08/08/2022 13:20	2.2	37	19	3.4	0.00	27.1	25
08/08/2022 13:30	2.7	59	18	3.8	0.00	27.2	25
08/08/2022 13:40	2.3	47	22	3.7	0.00	27.5	25
08/08/2022 13:50	1.8	41	23	2.9	0.00	27.8	24
08/08/2022 14:00	3.1	306	16	4.0	0.00	27.7	30
08/08/2022 14:10	2.9	308	14	4.0	0.00	27.3	27
08/08/2022 14:20	3.4	326	14	4.6	0.00	27.5	25
08/08/2022 14:30	3.1	335	15	4.2	0.00	27.4	23
08/08/2022 14:40	3.5	328	15	4.9	0.00	27.2	25
08/08/2022 14:50	3.8	345	15	4.9	0.00	26.8	29
08/08/2022 15:00	3.3	321	15	4.5	0.00	26.9	26
08/08/2022 15:10	3.7	336	11	5.3	0.00	26.5	30
08/08/2022 15:20	4.0	327	10	5.0	0.00	26.1	34
08/08/2022 15:30	3.7	322	10	4.7	0.00	25.9	33
08/08/2022 15:40	3.7	331	11	4.8	0.00	25.5	35
08/08/2022 15:50	4.1	323	7	5.0	0.00	25.0	38
08/08/2022 16:00	3.6	319	13	4.8	0.00	25.1	43



Yara Pilbara Nitrates- Western Boundary  
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Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
08/08/2022 16:10	3.9	323	11	5.2	0.00	24.8	46
08/08/2022 16:20	2.7	305	16	4.4	0.00	24.7	49
08/08/2022 16:30	3.7	286	10	5.0	0.00	24.8	49
08/08/2022 16:40	3.7	285	9	5.5	0.00	24.4	49
08/08/2022 16:50	3.2	288	9	4.3	0.00	24.2	52
08/08/2022 17:00	3.7	288	8	4.8	0.00	24.1	51
08/08/2022 17:10	3.3	288	9	4.3	0.00	24.1	51
08/08/2022 17:20	3.8	293	7	4.9	0.00	23.9	52
08/08/2022 17:30	3.2	292	9	4.3	0.00	23.9	48
08/08/2022 17:40	2.9	291	9	4.1	0.00	24.0	48
08/08/2022 17:50	3.1	290	7	4.2	0.00	23.9	50
08/08/2022 18:00	3.2	288	8	4.2	0.00	23.7	51
08/08/2022 18:10	3.3	290	8	4.4	0.00	23.6	52
08/08/2022 18:20	3.2	291	7	4.2	0.00	23.6	53
08/08/2022 18:30	3.0	287	7	3.9	0.00	23.3	57
08/08/2022 18:40	2.8	285	9	3.6	0.00	23.2	58
08/08/2022 18:50	2.9	280	6	3.7	0.00	23.0	59
08/08/2022 19:00	3.5	276	6	4.2	0.00	22.9	58
08/08/2022 19:10	3.6	268	6	4.6	0.00	23.0	55
08/08/2022 19:20	3.6	266	6	4.6	0.00	23.0	55
08/08/2022 19:30	3.6	267	7	4.9	0.00	22.9	53
08/08/2022 19:40	4.2	266	7	5.0	0.00	23.0	55
08/08/2022 19:50	4.3	265	7	5.4	0.00	22.8	58
08/08/2022 20:00	4.5	262	6	5.7	0.00	22.8	59
08/08/2022 20:10	4.5	262	7	5.9	0.00	22.6	62
08/08/2022 20:20	4.2	264	7	5.5	0.00	22.4	65
08/08/2022 20:30	4.1	263	7	5.4	0.00	22.3	66
08/08/2022 20:40	4.4	260	6	5.7	0.00	22.2	67
08/08/2022 20:50	4.6	257	6	6.0	0.00	22.2	64
08/08/2022 21:00	4.2	258	6	5.3	0.00	22.0	64
08/08/2022 21:10	4.3	255	6	5.4	0.00	21.9	66
08/08/2022 21:20	3.9	254	6	5.0	0.00	21.8	68
08/08/2022 21:30	4.0	256	5	4.9	0.00	21.7	69
08/08/2022 21:40	3.8	257	6	4.6	0.00	21.7	70
08/08/2022 21:50	3.9	261	7	5.0	0.00	21.7	71
08/08/2022 22:00	4.0	264	6	5.0	0.00	21.8	70
08/08/2022 22:10	4.0	262	7	4.9	0.00	21.8	71
08/08/2022 22:20	3.8	264	6	4.8	0.00	21.7	71
08/08/2022 22:30	3.9	266	5	4.8	0.00	21.7	72
08/08/2022 22:40	3.5	265	6	4.2	0.00	21.6	72
08/08/2022 22:50	3.0	265	5	3.6	0.00	21.3	71
08/08/2022 23:00	3.0	270	5	3.7	0.00	21.2	69
08/08/2022 23:10	3.1	268	5	3.9	0.00	21.0	68
08/08/2022 23:20	3.3	269	5	4.0	0.00	21.2	64
08/08/2022 23:30	3.3	270	6	3.9	0.00	21.3	60
08/08/2022 23:40	3.3	269	5	4.1	0.00	21.2	60
08/08/2022 23:50	4.0	270	4	4.6	0.00	21.2	59
09/08/2022 00:00	4.1	271	4	4.7	0.00	21.2	58



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/08/2022 00:10	3.7	269	5	4.5	0.00	21.0	59
09/08/2022 00:20	4.0	274	5	4.6	0.00	21.0	58
09/08/2022 00:30	4.3	276	5	4.9	0.00	21.1	56
09/08/2022 00:40	4.4	275	5	5.1	0.00	21.3	52
09/08/2022 00:50	4.4	279	5	5.0	0.00	21.4	50
09/08/2022 01:00	4.3	276	5	5.0	0.00	21.3	49
09/08/2022 01:10	4.0	274	4	4.6	0.00	21.2	48
09/08/2022 01:20	4.0	276	6	4.9	0.00	21.0	48
09/08/2022 01:30	3.6	276	6	4.9	0.00	21.0	54
09/08/2022 01:40	4.2	272	4	5.1	0.00	20.9	53
09/08/2022 01:50	4.1	273	4	4.9	0.00	20.9	54
09/08/2022 02:00	4.1	269	5	4.8	0.00	20.7	55
09/08/2022 02:10	4.3	263	5	5.1	0.00	20.7	52
09/08/2022 02:20	4.2	256	6	5.4	0.00	20.6	50
09/08/2022 02:30	3.4	260	6	4.5	0.00	20.3	51
09/08/2022 02:40	4.2	266	6	5.0	0.00	20.3	49
09/08/2022 02:50	3.5	263	7	4.7	0.00	20.4	46
09/08/2022 03:00	3.8	269	7	5.1	0.00	20.3	45
09/08/2022 03:10	3.1	252	14	4.9	0.00	20.3	43
09/08/2022 03:20	3.7	222	16	6.2	0.00	21.5	41
09/08/2022 03:30	4.2	211	12	6.0	0.00	21.7	38
09/08/2022 03:40	4.4	211	13	6.5	0.00	21.8	36
09/08/2022 03:50	4.6	209	12	6.8	0.00	21.8	36
09/08/2022 04:00	5.7	210	9	8.7	0.00	21.9	36
09/08/2022 04:10	6.4	208	10	8.4	0.00	21.8	35
09/08/2022 04:20	6.8	205	9	9.2	0.00	21.7	34
09/08/2022 04:30	5.9	204	10	8.3	0.00	21.7	34
09/08/2022 04:40	5.9	204	8	8.0	0.00	21.6	34
09/08/2022 04:50	6.1	204	10	7.6	0.00	21.6	34
09/08/2022 05:00	5.6	206	10	7.3	0.00	21.5	35
09/08/2022 05:10	5.5	206	10	7.6	0.00	21.4	35
09/08/2022 05:20	5.9	207	9	7.9	0.00	21.4	36
09/08/2022 05:30	5.4	207	8	7.4	0.00	21.3	35
09/08/2022 05:40	5.0	209	9	6.9	0.00	21.3	35
09/08/2022 05:50	4.9	206	9	6.8	0.00	21.1	36
09/08/2022 06:00	4.6	208	8	6.0	0.00	21.0	36
09/08/2022 06:10	4.3	206	9	6.1	0.00	21.0	36
09/08/2022 06:20	4.4	206	8	5.8	0.00	20.8	37
09/08/2022 06:30	4.7	206	9	6.4	0.00	20.9	37
09/08/2022 06:40	5.4	206	8	7.2	0.00	20.9	36
09/08/2022 06:50	5.5	205	10	7.6	0.00	20.9	38
09/08/2022 07:00	3.9	200	10	5.7	0.00	20.5	39
09/08/2022 07:10	4.2	202	11	5.9	0.00	20.9	36
09/08/2022 07:20	4.4	208	10	6.1	0.00	21.0	37
09/08/2022 07:30	4.5	209	9	5.8	0.00	21.3	36
09/08/2022 07:40	4.9	208	10	6.7	0.00	21.6	35
09/08/2022 07:50	5.8	206	8	8.1	0.00	21.7	35
09/08/2022 08:00	5.4	204	10	8.3	0.00	21.9	35



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/08/2022 08:10	5.4	204	9	7.2	0.00	21.9	36
09/08/2022 08:20	6.2	201	10	8.8	0.00	22.3	34
09/08/2022 08:30	6.6	196	9	8.8	0.00	22.5	34
09/08/2022 08:40	5.9	194	10	8.1	0.00	22.8	34
09/08/2022 08:50	5.2	192	12	7.9	0.00	23.1	33
09/08/2022 09:00	5.4	185	10	7.6	0.00	23.1	33
09/08/2022 09:10	5.5	188	10	7.6	0.00	23.7	32
09/08/2022 09:20	5.4	185	11	7.3	0.00	24.1	31
09/08/2022 09:30	5.8	188	11	7.9	0.00	24.0	31
09/08/2022 09:40	5.5	182	10	7.8	0.00	23.3	32
09/08/2022 09:50	5.7	186	8	7.2	0.00	22.9	33
09/08/2022 10:00	4.8	184	10	6.4	0.00	22.9	33
09/08/2022 10:10	3.9	184	12	5.6	0.00	22.8	34
09/08/2022 10:20	4.8	188	10	7.4	0.00	22.9	35
09/08/2022 10:30	4.8	188	9	6.6	0.00	23.0	34
09/08/2022 10:40	3.9	185	11	5.8	0.00	22.9	35
09/08/2022 10:50	3.7	181	14	5.7	0.00	23.1	35
09/08/2022 11:00	3.4	180	12	5.2	0.00	23.4	34
09/08/2022 11:10	4.3	182	12	5.8	0.00	23.4	34
09/08/2022 11:20	4.8	185	9	6.6	0.00	23.7	34
09/08/2022 11:30	4.9	183	13	6.8	0.00	23.7	33
09/08/2022 11:40	4.8	197	9	6.4	0.00	23.8	34
09/08/2022 11:50	4.7	199	9	6.0	0.00	23.6	34
09/08/2022 12:00	4.1	193	11	5.8	0.00	23.6	34
09/08/2022 12:10	4.2	190	13	5.8	0.00	23.6	34
09/08/2022 12:20	4.0	190	11	5.6	0.00	23.6	34
09/08/2022 12:30	4.4	197	10	5.8	0.00	23.4	34
09/08/2022 12:40	4.0	194	13	5.8	0.00	23.8	34
09/08/2022 12:50	3.9	195	11	5.7	0.00	23.5	35
09/08/2022 13:00	4.3	199	9	5.4	0.00	23.3	35
09/08/2022 13:10	3.9	194	10	5.4	0.00	23.4	36
09/08/2022 13:20	4.3	195	10	6.1	0.00	23.6	35
09/08/2022 13:30	4.6	195	9	6.2	0.00	23.7	35
09/08/2022 13:40	4.5	198	11	6.0	0.00	23.6	35
09/08/2022 13:50	4.3	198	8	5.7	0.00	23.5	35
09/08/2022 14:00	4.5	197	8	6.0	0.00	23.5	36
09/08/2022 14:10	5.0	200	10	6.6	0.00	23.5	36
09/08/2022 14:20	4.8	197	8	6.4	0.00	23.5	35
09/08/2022 14:30	5.4	202	8	6.8	0.00	23.4	36
09/08/2022 14:40	5.3	202	10	7.0	0.00	23.3	37
09/08/2022 14:50	4.7	196	11	6.2	0.00	23.3	37
09/08/2022 15:00	5.0	192	11	6.5	0.00	23.5	36
09/08/2022 15:10	4.9	197	10	7.0	0.00	23.7	36
09/08/2022 15:20	5.5	199	8	7.3	0.00	23.8	35
09/08/2022 15:30	4.8	195	10	6.6	0.00	23.7	36
09/08/2022 15:40	4.9	192	11	6.6	0.00	23.6	36
09/08/2022 15:50	4.7	193	9	6.6	0.00	23.5	37
09/08/2022 16:00	4.9	195	12	6.9	0.00	23.6	37



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/08/2022 16:10	5.0	198	11	7.0	0.00	23.4	37
09/08/2022 16:20	5.1	193	10	6.9	0.00	23.2	37
09/08/2022 16:30	4.5	190	10	5.9	0.00	23.2	37
09/08/2022 16:40	4.7	191	11	6.6	0.00	23.1	38
09/08/2022 16:50	4.0	193	9	5.4	0.00	23.0	38
09/08/2022 17:00	4.0	191	11	5.5	0.00	22.9	39
09/08/2022 17:10	3.9	190	11	6.1	0.00	22.8	39
09/08/2022 17:20	4.3	198	10	5.9	0.00	22.7	40
09/08/2022 17:30	4.2	195	11	5.7	0.00	22.6	40
09/08/2022 17:40	3.7	196	8	5.2	0.00	22.6	40
09/08/2022 17:50	3.5	192	9	5.0	0.00	22.5	40
09/08/2022 18:00	3.2	197	11	4.6	0.00	22.4	40
09/08/2022 18:10	2.7	191	10	4.0	0.00	22.3	41
09/08/2022 18:20	2.5	189	10	3.6	0.00	22.1	41
09/08/2022 18:30	2.6	191	7	3.6	0.00	22.1	41
09/08/2022 18:40	2.2	186	7	3.2	0.00	21.9	42
09/08/2022 18:50	1.9	179	5	2.5	0.00	21.9	42
09/08/2022 19:00	1.8	185	6	2.2	0.00	21.9	42
09/08/2022 19:10	1.8	183	5	2.4	0.00	21.9	42
09/08/2022 19:20	1.6	195	4	2.0	0.00	21.7	43
09/08/2022 19:30	1.8	198	3	2.1	0.00	21.9	42
09/08/2022 19:40	1.8	200	4	2.2	0.00	21.9	42
09/08/2022 19:50	2.1	204	5	2.7	0.00	21.9	42
09/08/2022 20:00	1.9	203	5	2.4	0.00	21.8	42
09/08/2022 20:10	2.0	204	5	2.7	0.00	21.4	45
09/08/2022 20:20	2.6	210	9	3.3	0.00	21.9	42
09/08/2022 20:30	2.0	203	8	2.6	0.00	21.9	42
09/08/2022 20:40	1.8	197	5	2.2	0.00	21.6	44
09/08/2022 20:50	1.9	195	7	2.6	0.00	21.6	43
09/08/2022 21:00	1.8	191	5	2.3	0.00	21.6	43
09/08/2022 21:10	1.5	190	5	2.1	0.00	21.5	44
09/08/2022 21:20	1.9	197	6	2.6	0.00	21.4	44
09/08/2022 21:30	2.3	198	5	2.9	0.00	21.5	43
09/08/2022 21:40	2.3	202	6	2.9	0.00	21.7	42
09/08/2022 21:50	2.6	202	6	3.2	0.00	21.7	42
09/08/2022 22:00	2.8	199	6	3.4	0.00	21.6	42
09/08/2022 22:10	2.8	200	6	3.6	0.00	21.8	41
09/08/2022 22:20	3.2	200	7	4.1	0.00	21.8	41
09/08/2022 22:30	3.3	200	8	4.2	0.00	21.8	41
09/08/2022 22:40	3.4	196	9	4.7	0.00	21.9	41
09/08/2022 22:50	3.5	191	11	5.2	0.00	22.1	40
09/08/2022 23:00	3.2	195	11	4.8	0.00	22.0	40
09/08/2022 23:10	4.1	195	9	6.5	0.00	22.0	40
09/08/2022 23:20	3.8	201	10	5.4	0.00	21.9	40
09/08/2022 23:30	3.9	202	9	5.6	0.00	21.8	40
09/08/2022 23:40	4.2	201	9	6.3	0.00	21.8	40
09/08/2022 23:50	4.9	200	9	6.6	0.00	21.7	40
10/08/2022 00:00	4.7	201	9	6.2	0.00	21.6	40



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/08/2022 00:10	4.2	196	8	5.7	0.00	21.4	40
10/08/2022 00:20	4.0	193	11	5.6	0.00	21.2	41
10/08/2022 00:30	4.1	197	9	5.7	0.00	21.0	42
10/08/2022 00:40	3.8	198	9	5.0	0.00	21.0	42
10/08/2022 00:50	4.2	198	9	5.7	0.00	21.0	41
10/08/2022 01:00	4.2	203	10	5.8	0.00	21.0	42
10/08/2022 01:10	4.5	205	9	5.8	0.00	21.0	40
10/08/2022 01:20	4.3	201	9	6.0	0.00	20.7	42
10/08/2022 01:30	5.0	200	10	7.0	0.00	20.4	42
10/08/2022 01:40	4.8	194	9	6.6	0.00	20.3	41
10/08/2022 01:50	4.5	194	10	6.9	0.00	20.1	40
10/08/2022 02:00	5.2	189	9	7.1	0.00	19.9	38
10/08/2022 02:10	5.1	188	9	7.4	0.00	19.7	38
10/08/2022 02:20	5.1	187	8	7.7	0.00	19.4	37
10/08/2022 02:30	5.3	190	11	7.3	0.00	19.2	37
10/08/2022 02:40	4.6	188	10	6.9	0.00	19.0	38
10/08/2022 02:50	4.1	182	11	6.4	0.00	18.8	38
10/08/2022 03:00	4.3	178	10	6.0	0.00	18.6	38
10/08/2022 03:10	4.2	182	10	6.0	0.00	18.4	38
10/08/2022 03:20	4.1	182	11	6.0	0.00	18.3	38
10/08/2022 03:30	4.0	184	10	5.6	0.00	18.2	38
10/08/2022 03:40	3.6	183	13	5.9	0.00	18.0	38
10/08/2022 03:50	3.5	179	12	5.2	0.00	17.9	38
10/08/2022 04:00	3.3	179	12	5.1	0.00	17.8	38
10/08/2022 04:10	3.3	176	10	5.3	0.00	17.9	38
10/08/2022 04:20	2.9	180	10	4.0	0.00	17.6	39
10/08/2022 04:30	2.6	182	12	3.8	0.00	17.5	39
10/08/2022 04:40	2.6	186	10	3.4	0.00	17.4	39
10/08/2022 04:50	2.2	187	12	3.3	0.00	17.4	39
10/08/2022 05:00	1.8	189	12	3.1	0.00	17.3	39
10/08/2022 05:10	2.0	192	9	2.8	0.00	17.3	39
10/08/2022 05:20	1.7	185	13	2.7	0.00	17.3	39
10/08/2022 05:30	1.8	187	11	2.7	0.00	17.3	39
10/08/2022 05:40	2.2	193	9	3.1	0.00	17.2	39
10/08/2022 05:50	2.0	196	9	2.9	0.00	17.2	40
10/08/2022 06:00	2.0	190	7	2.8	0.00	17.1	40
10/08/2022 06:10	2.0	196	8	2.8	0.00	17.0	41
10/08/2022 06:20	2.1	198	8	3.0	0.00	17.0	40
10/08/2022 06:30	1.7	184	10	2.6	0.00	17.0	40
10/08/2022 06:40	2.0	183	10	2.7	0.00	16.8	41
10/08/2022 06:50	2.2	180	8	2.8	0.00	16.8	41
10/08/2022 07:00	2.1	181	8	3.1	0.00	16.9	40
10/08/2022 07:10	2.1	184	7	2.9	0.00	16.7	40
10/08/2022 07:20	1.9	182	12	2.6	0.00	16.5	41
10/08/2022 07:30	2.2	179	10	3.2	0.00	16.5	41
10/08/2022 07:40	2.1	176	11	3.2	0.00	16.5	41
10/08/2022 07:50	2.2	178	10	3.0	0.00	16.6	41
10/08/2022 08:00	2.6	175	11	3.8	0.00	17.4	38



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/08/2022 08:10	2.2	167	17	3.4	0.00	18.3	36
10/08/2022 08:20	2.1	161	17	3.9	0.00	18.9	34
10/08/2022 08:30	2.1	156	18	3.3	0.00	19.0	34
10/08/2022 08:40	2.3	151	17	3.5	0.00	19.3	34
10/08/2022 08:50	2.6	140	16	4.3	0.00	19.5	34
10/08/2022 09:00	3.0	135	14	4.7	0.00	19.8	36
10/08/2022 09:10	3.2	138	15	5.0	0.00	20.0	36
10/08/2022 09:20	3.2	132	16	5.1	0.00	20.2	36
10/08/2022 09:30	3.5	128	17	6.3	0.00	20.6	36
10/08/2022 09:40	4.1	116	14	6.0	0.00	20.6	35
10/08/2022 09:50	3.9	120	16	6.2	0.00	20.7	35
10/08/2022 10:00	4.3	116	13	7.3	0.00	21.0	37
10/08/2022 10:10	5.8	110	11	8.0	0.00	21.4	34
10/08/2022 10:20	6.1	111	11	8.4	0.00	21.9	32
10/08/2022 10:30	6.4	110	11	8.5	0.00	21.9	34
10/08/2022 10:40	6.0	108	11	8.1	0.00	22.4	33
10/08/2022 10:50	6.2	109	12	8.6	0.00	22.2	32
10/08/2022 11:00	5.6	102	15	7.3	0.00	22.5	32
10/08/2022 11:10	5.0	105	15	6.8	0.00	22.8	31
10/08/2022 11:20	5.4	106	13	8.2	0.00	23.0	32
10/08/2022 11:30	5.9	96	14	8.2	0.00	23.2	33
10/08/2022 11:40	6.5	85	9	8.5	0.00	23.2	33
10/08/2022 11:50	5.7	85	12	7.7	0.00	23.3	34
10/08/2022 12:00	6.4	84	11	8.3	0.00	22.9	35
10/08/2022 12:10	6.0	80	10	8.0	0.00	22.9	34
10/08/2022 12:20	5.5	83	9	7.6	0.00	23.2	34
10/08/2022 12:30	6.1	81	8	7.8	0.00	23.0	35
10/08/2022 12:40	5.3	82	11	7.0	0.00	23.2	35
10/08/2022 12:50	4.8	89	14	6.4	0.00	23.6	36
10/08/2022 13:00	4.8	81	12	6.8	0.00	23.8	35
10/08/2022 13:10	5.1	68	14	6.4	0.00	23.8	34
10/08/2022 13:20	5.6	64	9	7.4	0.00	23.8	34
10/08/2022 13:30	5.8	67	8	6.9	0.00	23.6	34
10/08/2022 13:40	5.9	76	9	7.4	0.00	23.8	34
10/08/2022 13:50	5.8	83	10	7.7	0.00	23.9	35
10/08/2022 14:00	5.8	71	12	7.2	0.00	24.1	36
10/08/2022 14:10	5.5	66	11	7.3	0.00	24.2	36
10/08/2022 14:20	5.0	74	12	6.3	0.00	24.3	34
10/08/2022 14:30	4.8	76	11	6.3	0.00	24.6	34
10/08/2022 14:40	5.0	72	12	6.5	0.00	24.4	35
10/08/2022 14:50	5.2	69	10	7.1	0.00	24.4	34
10/08/2022 15:00	4.4	70	12	6.2	0.00	24.9	33
10/08/2022 15:10	5.1	59	10	6.8	0.00	24.8	34
10/08/2022 15:20	4.9	57	10	6.1	0.00	24.4	36
10/08/2022 15:30	4.6	50	9	6.4	0.00	24.6	36
10/08/2022 15:40	4.7	55	9	6.0	0.00	24.6	36
10/08/2022 15:50	4.6	53	9	5.8	0.00	24.6	36
10/08/2022 16:00	4.8	52	11	6.1	0.00	24.5	37



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/08/2022 16:10	4.5	51	12	5.9	0.00	24.6	37
10/08/2022 16:20	4.7	41	9	6.3	0.00	24.4	37
10/08/2022 16:30	4.6	47	9	6.1	0.00	24.4	38
10/08/2022 16:40	4.5	45	8	5.7	0.00	24.3	38
10/08/2022 16:50	4.7	50	9	5.8	0.00	24.1	40
10/08/2022 17:00	4.6	47	9	5.8	0.00	23.9	41
10/08/2022 17:10	4.1	48	8	5.4	0.00	23.8	41
10/08/2022 17:20	3.8	50	8	5.1	0.00	23.7	43
10/08/2022 17:30	3.6	51	9	4.8	0.00	23.4	43
10/08/2022 17:40	3.3	47	8	4.5	0.00	23.0	45
10/08/2022 17:50	1.2	171	23	2.3	0.00	22.3	47
10/08/2022 18:00	0.7	241	17	2.1	0.00	22.6	42
10/08/2022 18:10	3.5	256	9	4.8	0.00	22.1	53
10/08/2022 18:20	3.2	265	5	4.0	0.00	21.3	57
10/08/2022 18:30	3.2	263	4	3.5	0.00	20.8	59
10/08/2022 18:40	2.8	262	4	3.3	0.00	20.5	61
10/08/2022 18:50	3.3	258	6	3.9	0.00	20.5	63
10/08/2022 19:00	3.0	265	4	3.5	0.00	20.1	65
10/08/2022 19:10	3.0	268	5	3.8	0.00	20.0	66
10/08/2022 19:20	2.6	270	4	3.1	0.00	20.1	65
10/08/2022 19:30	2.7	267	3	3.1	0.00	20.1	64
10/08/2022 19:40	2.8	268	4	3.3	0.00	19.9	65
10/08/2022 19:50	2.5	265	4	3.0	0.00	19.9	64
10/08/2022 20:00	2.5	262	3	2.8	0.00	20.0	65
10/08/2022 20:10	2.2	265	2	2.7	0.00	19.9	64
10/08/2022 20:20	2.2	266	2	2.6	0.00	19.9	64
10/08/2022 20:30	2.3	266	3	2.5	0.00	19.8	64
10/08/2022 20:40	2.1	262	2	2.4	0.00	19.5	65
10/08/2022 20:50	2.4	256	2	2.7	0.00	19.4	65
10/08/2022 21:00	2.0	258	5	2.5	0.00	19.3	65
10/08/2022 21:10	2.3	263	4	2.6	0.00	19.4	65
10/08/2022 21:20	2.1	264	1	2.4	0.00	19.6	65
10/08/2022 21:30	1.8	265	4	2.3	0.00	19.7	64
10/08/2022 21:40	0.3	185	15	1.0	0.00	19.0	66
10/08/2022 21:50	0.0	88	0	0.0	0.00	19.1	66
10/08/2022 22:00	0.3	47	6	1.2	0.00	18.9	67
10/08/2022 22:10	0.0	14	0	0.0	0.00	19.1	66
10/08/2022 22:20	0.0	22	1	0.0	0.00	19.1	66
10/08/2022 22:30	0.0	43	1	0.0	0.00	18.7	67
10/08/2022 22:40	0.0	44	0	0.0	0.00	18.5	68
10/08/2022 22:50	0.0	45	0	0.0	0.00	18.8	68
10/08/2022 23:00	0.0	44	0	0.0	0.00	18.7	69
10/08/2022 23:10	0.0	42	0	0.0	0.00	18.8	71
10/08/2022 23:20	0.0	34	1	0.0	0.00	18.8	72
10/08/2022 23:30	0.0	31	1	0.0	0.00	18.6	74
10/08/2022 23:40	0.0	32	4	0.0	0.00	18.5	75
10/08/2022 23:50	0.6	81	13	1.3	0.00	17.9	75
11/08/2022 00:00	2.0	115	15	2.9	0.00	18.1	76





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
11/08/2022 00:10	2.2	127	6	2.8	0.00	18.8	74
11/08/2022 00:20	2.4	120	8	3.3	0.00	18.9	73
11/08/2022 00:30	2.1	121	10	2.7	0.00	18.8	75
11/08/2022 00:40	2.4	117	13	3.4	0.00	18.7	76
11/08/2022 00:50	2.3	121	11	3.3	0.00	18.7	76
11/08/2022 01:00	2.6	120	10	3.9	0.00	18.7	76
11/08/2022 01:10	1.8	129	15	3.0	0.00	18.4	76
11/08/2022 01:20	2.5	121	13	3.7	0.00	18.3	76
11/08/2022 01:30	2.8	107	14	4.2	0.00	18.7	76
11/08/2022 01:40	2.9	110	14	4.5	0.00	18.7	76
11/08/2022 01:50	3.0	110	11	4.4	0.00	18.5	75
11/08/2022 02:00	2.4	97	13	3.6	0.00	18.4	73
11/08/2022 02:10	1.7	86	13	2.6	0.00	18.1	72
11/08/2022 02:20	1.7	82	13	2.8	0.00	17.7	71
11/08/2022 02:30	1.9	112	12	3.2	0.00	17.7	69
11/08/2022 02:40	2.2	117	12	3.2	0.00	17.9	67
11/08/2022 02:50	1.2	117	13	2.3	0.00	17.7	68
11/08/2022 03:00	2.0	120	14	2.7	0.00	17.6	70
11/08/2022 03:10	2.2	127	15	3.6	0.00	17.6	71
11/08/2022 03:20	2.0	122	13	3.2	0.00	17.6	70
11/08/2022 03:30	2.0	121	15	3.2	0.00	17.5	73
11/08/2022 03:40	1.9	123	18	2.8	0.00	17.3	73
11/08/2022 03:50	2.2	120	12	3.1	0.00	17.2	73
11/08/2022 04:00	2.5	121	12	3.9	0.00	17.2	71
11/08/2022 04:10	3.1	119	10	4.7	0.00	17.6	64
11/08/2022 04:20	2.1	120	16	3.2	0.00	17.4	65
11/08/2022 04:30	2.1	130	17	3.2	0.00	17.2	66
11/08/2022 04:40	1.8	122	19	3.3	0.00	16.9	65
11/08/2022 04:50	3.5	113	12	4.9	0.00	17.2	56
11/08/2022 05:00	3.6	111	12	4.7	0.00	17.4	51
11/08/2022 05:10	3.3	105	15	5.4	0.00	17.5	49
11/08/2022 05:20	3.2	103	15	4.9	0.00	17.5	48
11/08/2022 05:30	4.3	110	11	6.2	0.00	17.7	47
11/08/2022 05:40	4.3	111	13	6.5	0.00	17.7	46
11/08/2022 05:50	4.8	113	10	7.0	0.00	17.6	45
11/08/2022 06:00	5.2	113	10	6.9	0.00	17.8	42
11/08/2022 06:10	4.6	112	11	6.9	0.00	17.6	43
11/08/2022 06:20	5.9	112	10	7.7	0.00	17.7	42
11/08/2022 06:30	5.6	111	10	7.5	0.00	17.7	43
11/08/2022 06:40	5.5	110	11	8.4	0.00	17.7	42
11/08/2022 06:50	4.6	108	12	7.0	0.00	17.6	42
11/08/2022 07:00	4.7	109	13	6.6	0.00	17.7	43
11/08/2022 07:10	5.6	111	11	8.1	0.00	17.8	42
11/08/2022 07:20	5.8	108	11	7.8	0.00	17.9	41
11/08/2022 07:30	5.7	109	10	7.3	0.00	17.9	42
11/08/2022 07:40	6.1	113	8	7.9	0.00	17.8	40
11/08/2022 07:50	4.9	111	12	6.7	0.00	17.9	41
11/08/2022 08:00	5.3	111	13	7.6	0.00	18.0	40



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
11/08/2022 08:10	6.5	110	9	8.4	0.00	18.1	40
11/08/2022 08:20	5.8	110	10	8.4	0.00	18.2	41
11/08/2022 08:30	6.1	108	12	8.5	0.00	18.3	41
11/08/2022 08:40	6.5	109	12	9.3	0.00	18.5	41
11/08/2022 08:50	7.6	110	11	10.6	0.00	18.7	40
11/08/2022 09:00	7.3	109	12	10.4	0.00	19.0	39
11/08/2022 09:10	7.3	108	11	9.8	0.00	19.4	38
11/08/2022 09:20	6.2	109	15	9.4	0.00	19.8	37
11/08/2022 09:30	7.8	107	13	10.9	0.00	19.7	35
11/08/2022 09:40	6.3	109	16	9.4	0.00	20.0	35
11/08/2022 09:50	5.9	108	18	9.8	0.00	20.4	36
11/08/2022 10:00	6.9	108	13	10.9	0.00	20.4	34
11/08/2022 10:10	4.8	117	19	8.2	0.00	20.7	33
11/08/2022 10:20	4.5	123	19	7.6	0.00	21.2	32
11/08/2022 10:30	5.3	114	17	8.4	0.00	21.3	33
11/08/2022 10:40	6.7	108	11	9.1	0.00	21.4	33
11/08/2022 10:50	5.1	116	18	8.2	0.00	21.8	32
11/08/2022 11:00	5.8	109	15	8.7	0.00	21.9	32
11/08/2022 11:10	5.8	108	11	8.2	0.00	22.4	33
11/08/2022 11:20	5.6	112	16	8.8	0.00	22.3	31
11/08/2022 11:30	5.4	111	14	8.3	0.00	22.6	32
11/08/2022 11:40	5.8	111	11	8.3	0.00	22.6	30
11/08/2022 11:50	3.4	122	23	6.2	0.00	23.4	29
11/08/2022 12:00	4.4	117	14	7.4	0.00	23.6	31
11/08/2022 12:10	5.5	109	12	8.2	0.00	23.5	31
11/08/2022 12:20	5.1	111	13	7.0	0.00	23.7	31
11/08/2022 12:30	5.3	106	14	7.4	0.00	24.3	29
11/08/2022 12:40	5.3	101	15	7.8	0.00	24.5	29
11/08/2022 12:50	6.0	83	10	8.2	0.00	24.2	30
11/08/2022 13:00	6.0	86	10	7.6	0.00	23.9	31
11/08/2022 13:10	5.5	74	13	7.0	0.00	24.4	32
11/08/2022 13:20	6.0	69	9	7.5	0.00	24.0	33
11/08/2022 13:30	6.4	67	9	8.4	0.00	23.6	34
11/08/2022 13:40	6.1	66	9	7.6	0.00	23.6	35
11/08/2022 13:50	6.5	69	8	8.0	0.00	23.6	34
11/08/2022 14:00	6.4	78	10	8.2	0.00	24.1	32
11/08/2022 14:10	6.2	70	9	7.8	0.00	24.4	33
11/08/2022 14:20	6.1	47	9	7.8	0.00	24.1	36
11/08/2022 14:30	5.7	52	9	7.7	0.00	24.0	36
11/08/2022 14:40	4.9	58	12	6.9	0.00	24.3	35
11/08/2022 14:50	5.1	56	12	6.9	0.00	24.0	35
11/08/2022 15:00	4.1	58	12	5.9	0.00	24.1	36
11/08/2022 15:10	4.2	63	15	5.9	0.00	24.5	36
11/08/2022 15:20	4.7	51	8	6.1	0.00	24.2	37
11/08/2022 15:30	4.0	56	12	5.2	0.00	24.3	36
11/08/2022 15:40	4.0	65	13	5.2	0.00	24.4	35
11/08/2022 15:50	3.9	75	10	5.1	0.00	24.4	35
11/08/2022 16:00	4.3	81	8	5.5	0.00	24.4	34



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
11/08/2022 16:10	3.7	72	11	5.1	0.00	24.3	34
11/08/2022 16:20	3.5	54	11	4.7	0.00	24.5	36
11/08/2022 16:30	3.7	50	10	4.9	0.00	24.3	35
11/08/2022 16:40	3.7	50	8	5.0	0.00	24.4	34
11/08/2022 16:50	3.4	68	12	4.8	0.00	24.5	33
11/08/2022 17:00	3.2	61	12	4.2	0.00	24.6	33
11/08/2022 17:10	3.1	56	11	4.3	0.00	24.2	35
11/08/2022 17:20	2.5	48	10	3.4	0.00	24.1	37
11/08/2022 17:30	2.7	44	7	3.4	0.00	23.8	38
11/08/2022 17:40	2.6	47	7	3.4	0.00	23.5	38
11/08/2022 17:50	2.5	47	6	3.3	0.00	22.9	40
11/08/2022 18:00	2.3	45	5	2.8	0.00	22.5	41
11/08/2022 18:10	2.2	42	5	2.9	0.00	22.1	42
11/08/2022 18:20	2.0	42	4	2.4	0.00	21.7	43
11/08/2022 18:30	1.9	41	5	2.4	0.00	21.4	43
11/08/2022 18:40	1.1	40	7	1.8	0.00	21.3	43
11/08/2022 18:50	0.4	45	3	0.9	0.00	21.4	44
11/08/2022 19:00	0.0	50	2	0.3	0.00	21.5	44
11/08/2022 19:10	0.0	56	1	0.0	0.00	21.3	46
11/08/2022 19:20	1.1	47	3	2.1	0.00	20.9	47
11/08/2022 19:30	2.1	39	2	2.4	0.00	20.7	45
11/08/2022 19:40	1.8	40	3	2.2	0.00	20.5	45
11/08/2022 19:50	1.6	38	4	2.0	0.00	20.5	47
11/08/2022 20:00	1.2	43	4	1.8	0.00	20.4	50
11/08/2022 20:10	0.0	47	1	0.0	0.00	20.5	53
11/08/2022 20:20	0.0	63	2	0.0	0.00	20.6	55
11/08/2022 20:30	0.0	62	1	0.1	0.00	20.8	55
11/08/2022 20:40	0.0	69	1	0.0	0.00	20.7	56
11/08/2022 20:50	0.0	59	0	0.0	0.00	20.6	55
11/08/2022 21:00	0.0	85	1	0.0	0.00	20.2	55
11/08/2022 21:10	1.0	71	9	1.7	0.00	19.7	57
11/08/2022 21:20	1.4	48	4	1.7	0.00	19.8	58
11/08/2022 21:30	0.1	50	0	0.7	0.00	19.5	57
11/08/2022 21:40	0.0	50	0	0.0	0.00	19.5	58
11/08/2022 21:50	0.0	49	0	0.0	0.00	19.3	60
11/08/2022 22:00	0.0	43	0	0.0	0.00	19.9	60
11/08/2022 22:10	0.0	45	1	0.0	0.00	20.1	63
11/08/2022 22:20	0.0	46	2	0.0	0.00	20.0	68
11/08/2022 22:30	0.0	26	3	0.0	0.00	20.1	71
11/08/2022 22:40	0.0	47	2	0.0	0.00	19.4	73
11/08/2022 22:50	0.1	60	8	1.0	0.00	19.3	74
11/08/2022 23:00	0.2	52	4	0.6	0.00	19.3	76
11/08/2022 23:10	0.3	56	7	1.1	0.00	19.2	77
11/08/2022 23:20	0.0	50	4	0.0	0.00	19.2	78
11/08/2022 23:30	0.0	68	3	0.0	0.00	19.3	80
11/08/2022 23:40	0.0	77	5	0.0	0.00	19.1	81
11/08/2022 23:50	0.7	61	4	1.3	0.00	18.7	82
12/08/2022 00:00	0.5	44	5	1.8	0.00	18.6	84



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/08/2022 00:10	0.2	57	2	1.1	0.00	18.5	85
12/08/2022 00:20	0.1	85	11	1.1	0.00	18.5	86
12/08/2022 00:30	0.4	111	6	1.4	0.00	18.4	86
12/08/2022 00:40	2.0	119	10	2.7	0.00	18.5	85
12/08/2022 00:50	2.5	116	10	3.2	0.00	18.6	80
12/08/2022 01:00	2.2	108	14	3.5	0.00	18.8	77
12/08/2022 01:10	2.5	110	10	3.4	0.00	18.9	76
12/08/2022 01:20	2.9	110	12	4.0	0.00	19.1	75
12/08/2022 01:30	1.9	82	12	3.5	0.00	18.8	74
12/08/2022 01:40	2.4	88	12	3.9	0.00	18.9	75
12/08/2022 01:50	3.8	114	10	5.4	0.00	19.2	73
12/08/2022 02:00	3.7	114	13	5.3	0.00	19.0	71
12/08/2022 02:10	4.9	114	11	6.1	0.00	18.8	67
12/08/2022 02:20	3.8	110	12	5.4	0.00	19.0	66
12/08/2022 02:30	3.9	105	14	6.1	0.00	19.2	67
12/08/2022 02:40	5.1	113	10	6.8	0.00	19.2	67
12/08/2022 02:50	5.0	111	11	6.8	0.00	19.1	66
12/08/2022 03:00	5.0	110	11	6.5	0.00	19.2	63
12/08/2022 03:10	6.0	113	8	7.6	0.00	19.0	61
12/08/2022 03:20	4.7	105	14	7.0	0.00	19.1	57
12/08/2022 03:30	4.7	105	14	6.6	0.00	19.2	55
12/08/2022 03:40	5.2	106	15	7.9	0.00	19.3	53
12/08/2022 03:50	5.4	104	13	8.1	0.00	19.3	52
12/08/2022 04:00	5.8	109	12	8.1	0.00	19.2	51
12/08/2022 04:10	5.6	107	13	8.9	0.00	19.0	49
12/08/2022 04:20	5.9	108	11	8.5	0.00	18.7	46
12/08/2022 04:30	5.6	111	10	7.7	0.00	18.5	45
12/08/2022 04:40	5.4	110	9	7.4	0.00	18.4	44
12/08/2022 04:50	4.8	111	12	6.8	0.00	18.3	44
12/08/2022 05:00	5.6	111	10	7.7	0.00	18.2	42
12/08/2022 05:10	5.8	111	11	7.7	0.00	18.2	41
12/08/2022 05:20	5.9	112	9	7.5	0.00	18.0	42
12/08/2022 05:30	5.6	113	9	7.1	0.00	17.9	42
12/08/2022 05:40	5.3	110	9	7.3	0.00	17.9	42
12/08/2022 05:50	4.9	110	11	6.8	0.00	18.1	42
12/08/2022 06:00	4.8	108	12	6.8	0.00	18.2	42
12/08/2022 06:10	6.0	108	11	8.3	0.00	18.4	39
12/08/2022 06:20	6.0	109	13	8.5	0.00	18.5	39
12/08/2022 06:30	5.5	100	12	7.8	0.00	18.7	40
12/08/2022 06:40	6.5	105	12	9.4	0.00	18.9	39
12/08/2022 06:50	6.4	106	13	8.5	0.00	18.9	40
12/08/2022 07:00	6.5	108	11	9.0	0.00	18.8	40
12/08/2022 07:10	6.5	109	10	9.1	0.00	18.9	39
12/08/2022 07:20	6.4	108	11	8.5	0.00	18.9	39
12/08/2022 07:30	6.6	108	11	9.4	0.00	19.1	39
12/08/2022 07:40	6.2	108	11	9.3	0.00	19.5	38
12/08/2022 07:50	6.5	106	14	9.5	0.00	19.6	38
12/08/2022 08:00	6.6	104	13	9.6	0.00	19.9	37



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/08/2022 08:10	6.4	105	12	9.6	0.00	19.8	37
12/08/2022 08:20	6.5	99	13	9.3	0.00	20.2	37
12/08/2022 08:30	6.7	96	13	9.4	0.00	20.0	38
12/08/2022 08:40	7.9	93	12	10.6	0.00	20.3	37
12/08/2022 08:50	8.0	91	9	11.2	0.00	20.5	37
12/08/2022 09:00	9.0	88	9	11.9	0.00	20.4	36
12/08/2022 09:10	8.1	91	8	10.8	0.00	20.5	37
12/08/2022 09:20	7.5	93	11	9.8	0.00	21.0	38
12/08/2022 09:30	8.2	91	10	11.3	0.00	20.8	36
12/08/2022 09:40	7.1	95	11	9.8	0.00	21.1	39
12/08/2022 09:50	8.1	90	9	10.9	0.00	21.1	38
12/08/2022 10:00	8.2	89	10	10.9	0.00	21.2	37
12/08/2022 10:10	8.4	89	9	10.9	0.00	21.4	37
12/08/2022 10:20	8.3	93	14	11.5	0.00	21.8	38
12/08/2022 10:30	9.0	91	10	12.2	0.00	22.2	38
12/08/2022 10:40	8.9	89	10	12.0	0.00	22.5	37
12/08/2022 10:50	8.9	89	10	11.7	0.00	22.5	37
12/08/2022 11:00	8.7	86	9	11.6	0.00	22.8	36
12/08/2022 11:10	8.3	85	9	10.4	0.00	22.9	37
12/08/2022 11:20	7.9	83	10	11.3	0.00	23.0	36
12/08/2022 11:30	8.3	81	9	10.7	0.00	22.9	36
12/08/2022 11:40	8.2	80	8	11.2	0.00	23.2	36
12/08/2022 11:50	8.4	78	10	10.9	0.00	23.0	37
12/08/2022 12:00	8.2	73	9	10.3	0.00	23.1	36
12/08/2022 12:10	7.8	76	11	10.8	0.00	23.3	36
12/08/2022 12:20	7.8	77	10	10.3	0.00	23.4	36
12/08/2022 12:30	7.6	79	10	10.8	0.00	23.6	35
12/08/2022 12:40	7.8	73	8	10.1	0.00	23.2	37
12/08/2022 12:50	7.3	81	10	9.6	0.00	23.3	37
12/08/2022 13:00	7.3	80	9	9.5	0.00	23.6	37
12/08/2022 13:10	6.9	78	12	9.2	0.00	23.8	38
12/08/2022 13:20	6.7	79	9	8.7	0.00	24.1	39
12/08/2022 13:30	7.3	86	7	9.0	0.00	23.8	42
12/08/2022 13:40	7.2	75	10	9.2	0.00	24.0	42
12/08/2022 13:50	7.4	70	7	9.5	0.00	23.8	42
12/08/2022 14:00	7.5	75	7	9.3	0.00	23.8	43
12/08/2022 14:10	8.1	76	7	9.6	0.00	23.8	44
12/08/2022 14:20	7.2	80	8	9.4	0.00	24.2	47
12/08/2022 14:30	6.6	66	11	8.5	0.00	24.7	46
12/08/2022 14:40	6.9	64	9	9.1	0.00	24.6	46
12/08/2022 14:50	6.4	70	9	8.7	0.00	24.5	48
12/08/2022 15:00	6.7	69	10	8.8	0.00	24.3	49
12/08/2022 15:10	6.8	70	9	8.8	0.00	24.3	49
12/08/2022 15:20	6.4	73	10	9.3	0.00	24.5	49
12/08/2022 15:30	6.9	73	10	8.9	0.00	24.5	51
12/08/2022 15:40	6.4	72	9	8.7	0.00	24.5	51
12/08/2022 15:50	6.4	75	9	8.4	0.00	24.6	50
12/08/2022 16:00	6.4	79	10	8.5	0.00	24.6	50



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/08/2022 16:10	6.4	73	10	8.5	0.00	24.5	51
12/08/2022 16:20	5.9	69	11	8.2	0.00	24.4	51
12/08/2022 16:30	6.6	73	8	8.7	0.00	24.5	50
12/08/2022 16:40	6.5	71	8	8.3	0.00	24.2	51
12/08/2022 16:50	6.2	66	9	8.1	0.00	24.2	52
12/08/2022 17:00	6.4	60	8	8.6	0.00	24.1	52
12/08/2022 17:10	6.1	63	8	7.8	0.00	24.1	51
12/08/2022 17:20	5.7	63	8	8.1	0.00	24.0	51
12/08/2022 17:30	6.6	61	7	8.2	0.00	23.7	51
12/08/2022 17:40	5.7	59	6	7.6	0.00	23.3	54
12/08/2022 17:50	5.3	58	6	6.9	0.00	22.9	56
12/08/2022 18:00	4.7	55	7	6.0	0.00	22.6	58
12/08/2022 18:10	4.5	56	6	5.5	0.00	22.4	59
12/08/2022 18:20	4.6	56	7	5.9	0.00	22.3	59
12/08/2022 18:30	4.1	56	7	5.1	0.00	22.3	59
12/08/2022 18:40	4.0	55	7	5.2	0.00	22.1	60
12/08/2022 18:50	4.0	56	7	5.2	0.00	22.0	61
12/08/2022 19:00	3.7	57	8	4.7	0.00	22.0	61
12/08/2022 19:10	3.8	54	6	4.9	0.00	22.0	62
12/08/2022 19:20	4.2	49	6	5.4	0.00	22.1	61
12/08/2022 19:30	4.3	45	7	5.5	0.00	22.3	58
12/08/2022 19:40	4.4	47	6	5.7	0.00	22.5	57
12/08/2022 19:50	4.7	45	7	5.8	0.00	22.5	58
12/08/2022 20:00	4.6	44	6	5.9	0.00	22.5	59
12/08/2022 20:10	4.6	48	7	5.8	0.00	22.5	58
12/08/2022 20:20	4.4	49	6	5.7	0.00	22.4	59
12/08/2022 20:30	4.4	48	6	5.4	0.00	22.4	58
12/08/2022 20:40	4.2	46	6	5.2	0.00	22.6	57
12/08/2022 20:50	4.0	45	6	5.5	0.00	22.5	57
12/08/2022 21:00	3.7	46	7	4.5	0.00	22.5	58
12/08/2022 21:10	3.1	46	5	3.9	0.00	22.2	60
12/08/2022 21:20	2.6	52	5	3.6	0.00	22.1	61
12/08/2022 21:30	1.7	65	5	2.3	0.00	22.0	64
12/08/2022 21:40	2.2	85	4	2.6	0.00	22.3	64
12/08/2022 21:50	2.6	74	10	3.4	0.00	22.3	68
12/08/2022 22:00	2.4	47	6	2.9	0.00	21.5	66
12/08/2022 22:10	2.3	40	7	2.7	0.00	21.7	63
12/08/2022 22:20	1.0	81	11	2.3	0.00	21.9	67
12/08/2022 22:30	1.9	94	11	3.1	0.00	22.2	74
12/08/2022 22:40	3.3	98	10	4.3	0.00	22.2	75
12/08/2022 22:50	2.0	106	21	3.0	0.00	21.9	76
12/08/2022 23:00	1.6	123	14	2.7	0.00	21.3	76
12/08/2022 23:10	1.1	99	19	2.4	0.00	20.8	76
12/08/2022 23:20	2.7	52	7	3.2	0.00	20.4	77
12/08/2022 23:30	2.4	74	14	3.1	0.00	20.5	78
12/08/2022 23:40	2.3	46	9	2.8	0.00	20.2	79
12/08/2022 23:50	0.2	47	3	0.8	0.00	20.0	80
13/08/2022 00:00	0.1	40	2	1.1	0.00	20.1	80



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/08/2022 00:10	2.1	49	12	2.7	0.00	20.4	81
13/08/2022 00:20	2.0	51	12	2.7	0.00	20.5	81
13/08/2022 00:30	1.9	68	17	3.0	0.00	20.3	82
13/08/2022 00:40	2.6	105	13	4.3	0.00	20.3	83
13/08/2022 00:50	3.7	114	10	4.8	0.00	20.4	82
13/08/2022 01:00	2.9	110	10	4.0	0.00	20.5	82
13/08/2022 01:10	3.1	119	7	4.0	0.00	20.4	83
13/08/2022 01:20	3.2	107	10	4.0	0.00	20.3	83
13/08/2022 01:30	2.7	104	11	3.9	0.00	20.2	83
13/08/2022 01:40	2.8	111	9	3.8	0.00	20.2	83
13/08/2022 01:50	2.8	91	8	3.8	0.00	20.2	84
13/08/2022 02:00	2.6	92	10	3.6	0.00	20.4	85
13/08/2022 02:10	2.5	122	10	3.7	0.00	20.2	85
13/08/2022 02:20	3.2	110	11	4.2	0.00	20.2	84
13/08/2022 02:30	2.2	96	11	2.8	0.00	20.1	84
13/08/2022 02:40	2.8	111	9	3.9	0.00	20.0	84
13/08/2022 02:50	3.1	114	8	4.2	0.00	20.2	84
13/08/2022 03:00	2.6	100	11	3.6	0.00	20.1	83
13/08/2022 03:10	2.8	98	10	3.8	0.00	19.9	84
13/08/2022 03:20	3.2	101	13	4.3	0.00	20.0	84
13/08/2022 03:30	3.1	101	12	4.5	0.00	20.2	82
13/08/2022 03:40	3.3	105	11	4.4	0.00	20.2	82
13/08/2022 03:50	3.7	109	12	4.9	0.00	19.9	82
13/08/2022 04:00	3.4	92	8	4.8	0.00	19.7	82
13/08/2022 04:10	3.5	83	4	4.3	0.00	19.6	82
13/08/2022 04:20	3.9	86	6	5.0	0.00	19.9	82
13/08/2022 04:30	3.2	98	9	4.1	0.00	19.9	82
13/08/2022 04:40	3.5	99	12	4.8	0.00	20.0	80
13/08/2022 04:50	4.0	89	7	5.3	0.00	20.1	79
13/08/2022 05:00	4.1	84	6	5.2	0.00	20.1	78
13/08/2022 05:10	4.8	83	5	6.0	0.00	20.3	76
13/08/2022 05:20	5.0	85	6	6.1	0.00	20.5	73
13/08/2022 05:30	5.4	84	5	6.6	0.00	20.4	71
13/08/2022 05:40	5.6	82	6	7.3	0.00	20.5	68
13/08/2022 05:50	6.2	82	7	8.5	0.00	21.0	64
13/08/2022 06:00	5.7	84	5	7.0	0.00	21.0	63
13/08/2022 06:10	6.0	86	6	7.4	0.00	20.8	65
13/08/2022 06:20	5.8	86	7	7.5	0.00	20.8	67
13/08/2022 06:30	5.2	82	5	6.6	0.00	20.6	68
13/08/2022 06:40	5.4	83	5	7.0	0.00	20.5	69
13/08/2022 06:50	5.3	86	7	6.6	0.00	20.4	69
13/08/2022 07:00	4.3	93	11	6.2	0.00	20.3	67
13/08/2022 07:10	5.1	108	13	7.0	0.00	20.6	65
13/08/2022 07:20	5.5	107	12	7.6	0.00	21.0	63
13/08/2022 07:30	4.9	108	14	7.2	0.00	20.8	63
13/08/2022 07:40	5.0	104	13	7.2	0.00	21.1	61
13/08/2022 07:50	5.3	99	12	7.1	0.00	21.2	58
13/08/2022 08:00	5.1	103	14	7.3	0.00	21.4	57



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/08/2022 08:10	5.1	100	14	6.9	0.00	21.8	57
13/08/2022 08:20	5.2	102	13	7.1	0.00	21.8	56
13/08/2022 08:30	5.6	107	12	8.4	0.00	21.8	55
13/08/2022 08:40	5.6	105	12	7.8	0.00	22.1	54
13/08/2022 08:50	5.7	104	13	7.8	0.00	22.3	53
13/08/2022 09:00	5.6	101	13	7.7	0.00	22.7	52
13/08/2022 09:10	5.5	97	13	8.0	0.00	22.9	50
13/08/2022 09:20	5.5	99	14	8.2	0.00	22.9	51
13/08/2022 09:30	5.8	91	11	8.4	0.00	23.2	50
13/08/2022 09:40	7.3	88	9	9.0	0.00	22.9	51
13/08/2022 09:50	7.1	87	7	9.3	0.00	23.1	51
13/08/2022 10:00	7.4	81	8	9.4	0.00	23.4	49
13/08/2022 10:10	7.2	82	7	9.0	0.00	23.4	50
13/08/2022 10:20	6.6	81	9	8.9	0.00	23.5	50
13/08/2022 10:30	7.0	84	9	9.5	0.00	23.3	49
13/08/2022 10:40	5.9	84	11	8.3	0.00	23.6	49
13/08/2022 10:50	6.2	81	9	8.5	0.00	23.5	48
13/08/2022 11:00	6.6	81	10	8.5	0.00	23.3	49
13/08/2022 11:10	6.1	77	9	8.1	0.00	23.3	50
13/08/2022 11:20	6.5	81	8	8.5	0.00	23.1	51
13/08/2022 11:30	5.4	79	10	7.5	0.00	23.6	50
13/08/2022 11:40	6.0	77	11	7.6	0.00	23.1	50
13/08/2022 11:50	4.9	82	10	6.9	0.00	23.6	50
13/08/2022 12:00	5.1	81	8	6.7	0.00	23.3	50
13/08/2022 12:10	4.8	72	10	6.4	0.00	23.0	51
13/08/2022 12:20	4.8	68	9	6.2	0.00	23.0	52
13/08/2022 12:30	5.7	78	7	7.1	0.00	23.2	52
13/08/2022 12:40	4.9	71	11	6.8	0.00	23.8	52
13/08/2022 12:50	5.5	61	13	7.7	0.00	24.0	52
13/08/2022 13:00	5.2	61	12	6.9	0.00	24.5	50
13/08/2022 13:10	5.9	84	8	7.3	0.00	24.1	51
13/08/2022 13:20	5.3	68	10	6.9	0.00	24.0	52
13/08/2022 13:30	5.4	64	11	7.2	0.00	24.1	53
13/08/2022 13:40	4.5	58	11	6.4	0.00	24.5	52
13/08/2022 13:50	5.0	65	8	6.5	0.00	24.3	54
13/08/2022 14:00	4.7	63	10	6.2	0.00	24.4	54
13/08/2022 14:10	4.6	67	10	6.1	0.00	24.1	57
13/08/2022 14:20	4.8	60	10	6.2	0.00	24.2	58
13/08/2022 14:30	5.0	62	9	6.6	0.00	24.5	57
13/08/2022 14:40	4.5	69	12	6.1	0.00	24.2	58
13/08/2022 14:50	4.7	66	9	6.0	0.00	24.5	58
13/08/2022 15:00	4.4	58	11	5.7	0.00	24.7	58
13/08/2022 15:10	5.0	66	11	6.7	0.00	24.0	60
13/08/2022 15:20	4.0	70	12	5.1	0.00	24.4	60
13/08/2022 15:30	3.9	65	12	5.0	0.00	24.5	61
13/08/2022 15:40	4.2	81	9	5.2	0.00	24.4	62
13/08/2022 15:50	4.2	75	9	5.1	0.00	24.0	63
13/08/2022 16:00	4.2	79	6	5.1	0.00	23.6	65





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/08/2022 16:10	4.5	80	7	5.4	0.00	24.0	63
13/08/2022 16:20	3.7	65	12	4.6	0.00	24.0	64
13/08/2022 16:30	3.4	67	12	4.9	0.00	23.9	65
13/08/2022 16:40	3.3	59	10	4.7	0.00	24.0	65
13/08/2022 16:50	3.2	57	9	3.9	0.00	23.8	66
13/08/2022 17:00	2.9	72	11	3.9	0.00	23.8	67
13/08/2022 17:10	2.7	60	11	3.4	0.00	23.7	67
13/08/2022 17:20	2.7	65	9	3.6	0.00	23.3	69
13/08/2022 17:30	2.6	79	10	3.4	0.00	23.2	71
13/08/2022 17:40	3.0	71	7	3.7	0.00	23.0	72
13/08/2022 17:50	3.2	74	7	4.0	0.00	22.7	73
13/08/2022 18:00	2.6	70	8	3.4	0.00	22.7	73
13/08/2022 18:10	3.2	57	8	4.0	0.00	22.5	74
13/08/2022 18:20	3.1	48	6	3.8	0.00	22.4	74
13/08/2022 18:30	2.7	56	7	3.7	0.00	22.3	75
13/08/2022 18:40	2.8	60	7	3.6	0.00	22.3	75
13/08/2022 18:50	3.0	63	7	3.9	0.00	22.3	76
13/08/2022 19:00	3.4	55	5	4.2	0.00	22.2	76
13/08/2022 19:10	3.0	56	6	3.7	0.00	22.1	77
13/08/2022 19:20	2.2	58	8	3.2	0.00	21.9	78
13/08/2022 19:30	0.3	52	3	3.1	0.00	21.8	79
13/08/2022 19:40	0.6	131	6	1.1	0.00	21.8	80
13/08/2022 19:50	0.5	119	10	1.8	0.00	21.6	82
13/08/2022 20:00	0.8	96	11	3.1	0.00	21.4	82
13/08/2022 20:10	2.2	72	7	2.9	0.00	21.2	83
13/08/2022 20:20	1.0	107	14	2.4	0.00	21.0	84
13/08/2022 20:30	0.6	53	5	1.3	0.00	20.8	84
13/08/2022 20:40	0.0	51	4	0.6	0.00	20.8	84
13/08/2022 20:50	0.0	58	3	0.0	0.00	20.5	85
13/08/2022 21:00	0.0	54	2	0.1	0.00	20.4	85
13/08/2022 21:10	1.3	104	11	2.4	0.00	20.4	85
13/08/2022 21:20	1.1	77	12	2.2	0.00	20.4	84
13/08/2022 21:30	0.1	63	3	0.8	0.00	20.3	84
13/08/2022 21:40	0.2	99	10	2.0	0.00	20.4	84
13/08/2022 21:50	0.0	39	1	0.1	0.00	20.2	85
13/08/2022 22:00	0.1	45	5	1.0	0.00	20.2	85
13/08/2022 22:10	0.5	63	4	1.9	0.00	20.3	85
13/08/2022 22:20	0.0	32	2	0.1	0.00	20.3	85
13/08/2022 22:30	0.1	43	6	0.9	0.00	20.2	85
13/08/2022 22:40	1.8	43	6	2.8	0.00	20.2	85
13/08/2022 22:50	0.0	91	1	0.0	0.00	20.2	85
13/08/2022 23:00	0.0	72	1	0.1	0.00	20.1	85
13/08/2022 23:10	0.0	90	2	1.2	0.00	20.1	85
13/08/2022 23:20	0.3	79	15	1.9	0.00	20.2	85
13/08/2022 23:30	0.0	29	9	0.5	0.00	20.1	85
13/08/2022 23:40	0.0	179	3	0.1	0.00	20.0	85
13/08/2022 23:50	0.0	178	1	0.1	0.00	20.0	85
14/08/2022 00:00	0.0	55	0	0.1	0.00	19.9	86



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/08/2022 00:10	0.0	53	0	0.1	0.00	19.9	86
14/08/2022 00:20	0.0	74	1	0.2	0.00	19.8	86
14/08/2022 00:30	0.0	85	1	0.1	0.00	20.0	87
14/08/2022 00:40	0.0	51	4	0.5	0.00	20.1	87
14/08/2022 00:50	0.1	87	5	1.7	0.00	20.2	87
14/08/2022 01:00	0.6	96	11	2.3	0.00	20.2	87
14/08/2022 01:10	0.0	66	3	0.1	0.00	20.0	87
14/08/2022 01:20	1.1	32	3	1.6	0.00	19.8	87
14/08/2022 01:30	1.3	34	5	2.5	0.00	19.7	87
14/08/2022 01:40	0.5	52	4	1.4	0.00	19.6	88
14/08/2022 01:50	0.1	9	3	0.5	0.00	19.6	88
14/08/2022 02:00	0.0	198	0	0.1	0.00	19.7	88
14/08/2022 02:10	0.0	72	4	0.5	0.00	19.8	88
14/08/2022 02:20	0.0	49	2	0.0	0.00	20.0	87
14/08/2022 02:30	0.0	41	1	0.1	0.00	20.0	86
14/08/2022 02:40	0.0	38	0	0.1	0.00	19.9	86
14/08/2022 02:50	0.0	38	0	0.0	0.00	19.9	86
14/08/2022 03:00	0.0	30	2	0.6	0.00	20.0	86
14/08/2022 03:10	0.0	40	0	0.1	0.00	20.2	86
14/08/2022 03:20	0.0	83	2	0.1	0.00	20.0	86
14/08/2022 03:30	0.0	214	0	0.1	0.00	19.8	86
14/08/2022 03:40	0.0	345	0	0.2	0.00	19.6	87
14/08/2022 03:50	0.0	8	0	0.0	0.00	19.4	87
14/08/2022 04:00	0.0	8	0	0.1	0.00	19.2	88
14/08/2022 04:10	0.0	49	0	0.2	0.00	19.3	88
14/08/2022 04:20	0.0	46	0	0.1	0.00	19.3	88
14/08/2022 04:30	0.0	45	0	0.4	0.00	19.6	88
14/08/2022 04:40	0.0	49	0	0.4	0.00	19.4	88
14/08/2022 04:50	0.7	34	7	1.9	0.00	19.3	88
14/08/2022 05:00	0.0	54	3	0.1	0.00	19.1	88
14/08/2022 05:10	0.3	75	5	1.3	0.00	18.9	89
14/08/2022 05:20	1.5	101	12	2.6	0.00	19.0	89
14/08/2022 05:30	0.4	82	7	1.0	0.00	19.0	89
14/08/2022 05:40	0.3	100	7	2.0	0.00	19.1	88
14/08/2022 05:50	0.0	109	5	0.2	0.00	19.1	88
14/08/2022 06:00	1.0	71	5	1.6	0.00	19.0	88
14/08/2022 06:10	2.4	45	6	3.2	0.00	19.1	88
14/08/2022 06:20	0.4	87	9	1.4	0.00	19.1	88
14/08/2022 06:30	2.2	55	7	3.2	0.00	19.2	88
14/08/2022 06:40	1.9	83	14	2.8	0.00	19.1	88
14/08/2022 06:50	1.2	105	13	2.8	0.00	19.2	87
14/08/2022 07:00	0.3	93	8	1.6	0.00	19.1	87
14/08/2022 07:10	0.0	59	3	0.8	0.00	19.3	86
14/08/2022 07:20	1.5	78	6	2.4	0.00	19.4	86
14/08/2022 07:30	0.8	80	6	1.9	0.00	19.8	85
14/08/2022 07:40	0.5	98	7	2.3	0.00	20.1	83
14/08/2022 07:50	2.1	93	13	2.9	0.00	20.3	81
14/08/2022 08:00	2.2	71	10	2.9	0.00	20.5	79



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/08/2022 08:10	2.6	71	8	3.1	0.00	21.0	77
14/08/2022 08:20	2.1	104	15	3.2	0.00	21.3	76
14/08/2022 08:30	2.2	99	11	2.9	0.00	21.7	74
14/08/2022 08:40	2.3	105	12	3.1	0.00	22.0	73
14/08/2022 08:50	2.1	109	11	2.9	0.00	22.2	72
14/08/2022 09:00	2.3	99	12	3.1	0.00	22.6	71
14/08/2022 09:10	2.5	81	11	3.4	0.00	22.9	70
14/08/2022 09:20	2.6	90	12	3.3	0.00	23.5	68
14/08/2022 09:30	2.5	99	14	3.2	0.00	24.0	64
14/08/2022 09:40	2.3	104	15	3.3	0.00	24.1	62
14/08/2022 09:50	2.5	106	14	3.3	0.00	24.5	60
14/08/2022 10:00	2.4	103	16	3.3	0.00	24.9	58
14/08/2022 10:10	2.6	89	11	3.2	0.00	25.0	57
14/08/2022 10:20	2.2	86	14	3.4	0.00	25.6	54
14/08/2022 10:30	2.4	109	16	4.0	0.00	26.2	51
14/08/2022 10:40	2.9	71	11	3.8	0.00	26.1	51
14/08/2022 10:50	3.1	73	10	3.9	0.00	26.2	51
14/08/2022 11:00	2.9	75	13	3.9	0.00	26.6	50
14/08/2022 11:10	2.3	93	24	3.2	0.00	27.5	48
14/08/2022 11:20	2.7	98	20	3.7	0.00	27.8	47
14/08/2022 11:30	3.2	97	17	4.2	0.00	27.7	47
14/08/2022 11:40	3.0	100	17	4.0	0.00	27.8	47
14/08/2022 11:50	3.0	92	17	3.8	0.00	28.5	45
14/08/2022 12:00	3.3	84	11	4.4	0.00	28.2	45
14/08/2022 12:10	3.0	84	14	4.1	0.00	29.0	43
14/08/2022 12:20	3.4	68	11	4.4	0.00	28.4	42
14/08/2022 12:30	3.3	67	9	4.3	0.00	28.3	41
14/08/2022 12:40	3.4	64	9	4.4	0.00	28.6	40
14/08/2022 12:50	3.3	66	10	4.3	0.00	28.6	39
14/08/2022 13:00	3.2	72	9	4.6	0.00	28.5	39
14/08/2022 13:10	3.0	75	11	4.1	0.00	28.8	38
14/08/2022 13:20	2.9	78	12	3.9	0.00	29.0	37
14/08/2022 13:30	2.5	76	16	3.4	0.00	29.6	37
14/08/2022 13:40	2.7	37	12	3.5	0.00	29.4	37
14/08/2022 13:50	2.7	39	13	3.6	0.00	29.7	36
14/08/2022 14:00	4.0	45	11	5.2	0.00	29.3	40
14/08/2022 14:10	4.4	48	10	5.5	0.00	28.5	43
14/08/2022 14:20	3.9	43	9	5.0	0.00	28.5	44
14/08/2022 14:30	3.7	44	10	4.7	0.00	28.7	45
14/08/2022 14:40	4.0	58	8	5.2	0.00	28.5	44
14/08/2022 14:50	3.7	52	9	4.5	0.00	28.3	46
14/08/2022 15:00	3.6	48	9	4.5	0.00	28.8	45
14/08/2022 15:10	3.8	45	11	4.6	0.00	28.5	46
14/08/2022 15:20	4.4	47	7	5.5	0.00	28.0	46
14/08/2022 15:30	4.8	45	8	5.7	0.00	27.5	49
14/08/2022 15:40	4.6	51	9	6.0	0.00	27.4	51
14/08/2022 15:50	4.9	52	8	5.8	0.00	27.3	51
14/08/2022 16:00	4.6	58	10	5.9	0.00	27.3	49



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/08/2022 16:10	4.5	53	8	5.7	0.00	27.1	50
14/08/2022 16:20	4.7	51	10	5.9	0.00	27.0	49
14/08/2022 16:30	3.9	53	9	4.9	0.00	27.2	48
14/08/2022 16:40	4.5	53	9	5.6	0.00	27.3	46
14/08/2022 16:50	4.7	53	7	5.8	0.00	27.0	46
14/08/2022 17:00	4.3	57	6	5.7	0.00	27.0	45
14/08/2022 17:10	4.1	58	7	5.2	0.00	26.9	48
14/08/2022 17:20	3.6	59	8	4.6	0.00	26.8	49
14/08/2022 17:30	2.9	53	7	3.8	0.00	26.6	49
14/08/2022 17:40	3.1	49	6	3.8	0.00	26.2	52
14/08/2022 17:50	2.9	45	7	3.6	0.00	25.5	55
14/08/2022 18:00	2.7	40	7	3.4	0.00	25.0	57
14/08/2022 18:10	3.1	37	5	3.7	0.00	24.6	60
14/08/2022 18:20	3.3	40	7	4.3	0.00	24.4	62
14/08/2022 18:30	2.8	36	9	3.8	0.00	24.1	64
14/08/2022 18:40	2.9	29	7	3.4	0.00	23.8	66
14/08/2022 18:50	1.9	31	3	2.8	0.00	24.0	65
14/08/2022 19:00	0.0	30	0	0.1	0.00	23.9	65
14/08/2022 19:10	0.0	40	0	0.3	0.00	23.8	65
14/08/2022 19:20	0.0	40	0	0.0	0.00	23.8	65
14/08/2022 19:30	0.0	51	0	0.1	0.00	24.0	65
14/08/2022 19:40	0.0	52	0	0.2	0.00	23.8	64
14/08/2022 19:50	0.0	54	0	0.0	0.00	23.6	64
14/08/2022 20:00	0.0	50	0	0.1	0.00	23.5	64
14/08/2022 20:10	0.0	42	1	0.2	0.00	23.7	62
14/08/2022 20:20	0.0	36	0	0.2	0.00	23.8	61
14/08/2022 20:30	0.0	36	0	0.1	0.00	23.6	61
14/08/2022 20:40	0.0	268	0	0.0	0.00	23.8	60
14/08/2022 20:50	0.0	248	5	0.1	0.00	23.4	63
14/08/2022 21:00	0.0	232	3	0.0	0.00	23.2	66
14/08/2022 21:10	0.0	269	1	0.0	0.00	22.9	68
14/08/2022 21:20	0.0	261	2	0.1	0.00	22.7	68
14/08/2022 21:30	0.0	252	2	0.1	0.00	23.2	68
14/08/2022 21:40	0.0	266	0	0.1	0.00	23.5	66
14/08/2022 21:50	0.0	267	0	0.1	0.00	23.3	67
14/08/2022 22:00	0.0	272	2	0.3	0.00	23.1	70
14/08/2022 22:10	0.0	273	1	0.0	0.00	22.9	71
14/08/2022 22:20	0.0	271	0	0.2	0.00	22.8	72
14/08/2022 22:30	0.0	279	0	0.1	0.00	22.7	71
14/08/2022 22:40	0.0	287	0	0.1	0.00	22.4	69
14/08/2022 22:50	0.0	287	0	0.1	0.00	22.4	70
14/08/2022 23:00	0.0	313	13	0.8	0.00	22.5	71
14/08/2022 23:10	0.0	58	0	0.0	0.00	22.4	73
14/08/2022 23:20	0.0	76	2	0.4	0.00	22.2	74
14/08/2022 23:30	0.0	55	0	0.3	0.00	22.2	75
14/08/2022 23:40	0.0	54	0	0.3	0.00	21.7	75
14/08/2022 23:50	1.5	49	2	2.5	0.00	21.3	74
15/08/2022 00:00	2.3	56	2	2.8	0.00	21.6	75



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/08/2022 00:10	1.8	45	3	2.5	0.00	21.3	73
15/08/2022 00:20	1.8	52	3	2.4	0.00	21.1	73
15/08/2022 00:30	0.1	47	1	0.7	0.00	21.0	75
15/08/2022 00:40	0.1	30	1	2.8	0.00	20.9	76
15/08/2022 00:50	0.0	46	0	0.3	0.00	21.6	77
15/08/2022 01:00	0.0	40	0	0.7	0.00	21.8	77
15/08/2022 01:10	0.0	42	0	0.4	0.00	21.2	77
15/08/2022 01:20	0.0	49	1	0.0	0.00	21.0	78
15/08/2022 01:30	0.0	52	1	0.0	0.00	21.2	80
15/08/2022 01:40	0.0	56	1	0.0	0.00	21.5	82
15/08/2022 01:50	0.0	60	1	0.1	0.00	21.6	84
15/08/2022 02:00	0.0	53	0	0.3	0.00	21.4	84
15/08/2022 02:10	0.0	60	0	0.6	0.00	21.7	85
15/08/2022 02:20	0.0	66	0	0.3	0.00	21.6	86
15/08/2022 02:30	0.0	64	0	0.6	0.00	21.5	86
15/08/2022 02:40	0.0	55	0	0.5	0.00	21.6	86
15/08/2022 02:50	0.0	54	0	0.4	0.00	21.7	85
15/08/2022 03:00	0.0	63	0	0.0	0.00	21.7	85
15/08/2022 03:10	0.0	52	0	0.3	0.00	21.7	84
15/08/2022 03:20	0.0	43	0	0.5	0.00	21.8	84
15/08/2022 03:30	0.0	38	0	0.0	0.00	21.8	83
15/08/2022 03:40	0.0	35	0	0.7	0.00	21.8	83
15/08/2022 03:50	0.0	31	2	0.1	0.00	21.9	82
15/08/2022 04:00	0.0	22	1	0.6	0.00	21.9	82
15/08/2022 04:10	0.0	23	0	0.9	0.00	21.9	80
15/08/2022 04:20	0.0	24	1	0.5	0.00	22.0	77
15/08/2022 04:30	0.0	107	0	0.1	0.00	22.4	75
15/08/2022 04:40	0.0	40	0	0.9	0.00	22.6	73
15/08/2022 04:50	0.0	22	2	1.2	0.00	22.6	72
15/08/2022 05:00	0.0	37	0	0.6	0.00	22.7	71
15/08/2022 05:10	0.0	40	0	0.7	0.00	22.4	72
15/08/2022 05:20	0.0	26	1	0.6	0.00	22.0	73
15/08/2022 05:30	0.8	35	0	2.4	0.00	21.6	74
15/08/2022 05:40	0.2	58	2	0.7	0.00	21.7	75
15/08/2022 05:50	0.0	74	0	0.6	0.00	21.7	75
15/08/2022 06:00	1.0	37	3	2.4	0.00	21.6	75
15/08/2022 06:10	0.2	33	3	0.9	0.00	21.3	75
15/08/2022 06:20	2.0	56	8	2.9	0.00	21.7	74
15/08/2022 06:30	2.2	46	6	2.9	0.00	21.9	74
15/08/2022 06:40	2.4	47	8	3.0	0.00	21.7	72
15/08/2022 06:50	2.5	54	11	3.2	0.00	22.0	69
15/08/2022 07:00	2.5	49	8	3.1	0.00	22.4	66
15/08/2022 07:10	2.4	49	4	2.9	0.00	22.5	66
15/08/2022 07:20	2.4	51	6	2.9	0.00	22.7	64
15/08/2022 07:30	2.4	60	5	2.9	0.00	22.9	64
15/08/2022 07:40	1.8	66	12	2.5	0.00	23.0	65
15/08/2022 07:50	1.4	77	11	2.5	0.00	23.1	66
15/08/2022 08:00	1.9	71	10	2.8	0.00	23.3	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/08/2022 08:10	2.3	91	15	3.7	0.00	23.4	66
15/08/2022 08:20	2.9	108	10	4.0	0.00	23.4	65
15/08/2022 08:30	2.6	95	14	3.8	0.00	23.6	64
15/08/2022 08:40	2.7	80	9	3.4	0.00	23.7	63
15/08/2022 08:50	3.0	85	8	3.6	0.00	24.1	61
15/08/2022 09:00	2.8	92	9	3.7	0.00	24.1	60
15/08/2022 09:10	2.7	89	8	3.6	0.00	24.6	57
15/08/2022 09:20	2.4	99	11	3.3	0.00	25.2	55
15/08/2022 09:30	2.5	110	11	3.1	0.00	25.4	56
15/08/2022 09:40	3.1	89	10	4.2	0.00	25.5	54
15/08/2022 09:50	2.6	89	10	3.5	0.00	26.1	52
15/08/2022 10:00	2.8	90	10	3.7	0.00	26.5	50
15/08/2022 10:10	2.9	83	11	3.7	0.00	26.7	46
15/08/2022 10:20	2.7	83	16	3.7	0.00	27.1	43
15/08/2022 10:30	2.8	87	14	3.9	0.00	27.8	41
15/08/2022 10:40	2.6	101	15	4.1	0.00	28.7	40
15/08/2022 10:50	3.6	81	10	5.1	0.00	28.1	42
15/08/2022 11:00	4.6	76	11	6.2	0.00	27.9	43
15/08/2022 11:10	4.9	62	11	6.4	0.00	27.5	48
15/08/2022 11:20	5.4	53	8	6.5	0.00	26.8	53
15/08/2022 11:30	4.9	59	9	6.4	0.00	26.9	54
15/08/2022 11:40	5.4	61	10	7.1	0.00	27.6	52
15/08/2022 11:50	6.1	59	8	7.8	0.00	27.1	53
15/08/2022 12:00	6.2	57	8	8.0	0.00	26.9	52
15/08/2022 12:10	6.1	59	10	8.4	0.00	27.0	51
15/08/2022 12:20	6.2	68	11	9.0	0.00	27.6	46
15/08/2022 12:30	5.6	62	9	7.7	0.00	27.3	48
15/08/2022 12:40	6.0	58	10	7.7	0.00	27.1	50
15/08/2022 12:50	6.0	59	10	8.1	0.00	27.2	50
15/08/2022 13:00	6.1	60	10	7.8	0.00	27.2	51
15/08/2022 13:10	5.9	60	9	7.6	0.00	27.2	51
15/08/2022 13:20	5.9	61	9	7.7	0.00	27.3	50
15/08/2022 13:30	6.2	62	9	8.1	0.00	27.1	49
15/08/2022 13:40	6.4	56	8	8.7	0.00	27.2	50
15/08/2022 13:50	5.9	60	10	8.0	0.00	27.5	51
15/08/2022 14:00	5.7	58	10	7.5	0.00	27.7	51
15/08/2022 14:10	5.5	51	11	7.3	0.00	27.7	52
15/08/2022 14:20	6.0	56	8	7.8	0.00	27.5	53
15/08/2022 14:30	5.6	53	9	7.2	0.00	27.8	52
15/08/2022 14:40	5.7	50	9	7.4	0.00	27.9	51
15/08/2022 14:50	6.3	46	7	7.5	0.00	27.5	53
15/08/2022 15:00	5.9	49	8	7.7	0.00	27.6	52
15/08/2022 15:10	6.6	51	10	8.0	0.00	27.7	49
15/08/2022 15:20	6.2	49	7	7.8	0.00	27.5	50
15/08/2022 15:30	5.8	53	8	7.4	0.00	27.8	49
15/08/2022 15:40	5.3	58	9	7.0	0.00	28.2	47
15/08/2022 15:50	5.7	57	7	7.8	0.00	28.3	46
15/08/2022 16:00	5.6	55	11	7.3	0.00	28.3	47



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/08/2022 16:10	5.9	55	9	7.5	0.00	28.2	45
15/08/2022 16:20	6.2	53	9	8.2	0.00	28.3	42
15/08/2022 16:30	4.9	55	11	6.6	0.00	28.8	41
15/08/2022 16:40	5.5	57	9	7.1	0.00	28.8	40
15/08/2022 16:50	5.6	57	8	6.9	0.00	28.1	43
15/08/2022 17:00	5.3	57	9	6.9	0.00	27.9	45
15/08/2022 17:10	5.1	54	11	6.6	0.00	27.5	48
15/08/2022 17:20	4.7	50	9	6.2	0.00	26.9	53
15/08/2022 17:30	4.2	60	7	5.7	0.00	26.5	55
15/08/2022 17:40	3.6	61	8	4.5	0.00	26.2	57
15/08/2022 17:50	2.9	57	7	3.9	0.00	25.7	60
15/08/2022 18:00	2.7	62	6	3.4	0.00	25.3	63
15/08/2022 18:10	2.7	57	6	3.4	0.00	25.0	65
15/08/2022 18:20	2.7	49	3	3.2	0.00	24.6	68
15/08/2022 18:30	2.5	51	7	3.0	0.00	24.4	69
15/08/2022 18:40	2.2	57	5	2.8	0.00	24.2	70
15/08/2022 18:50	2.2	59	6	2.9	0.00	24.1	70
15/08/2022 19:00	2.0	61	6	2.8	0.00	23.9	72
15/08/2022 19:10	3.0	65	6	3.5	0.00	24.0	73
15/08/2022 19:20	2.7	56	6	3.3	0.00	23.9	75
15/08/2022 19:30	2.6	57	5	3.2	0.00	23.6	76
15/08/2022 19:40	2.1	61	5	2.7	0.00	23.5	77
15/08/2022 19:50	2.1	66	5	2.7	0.00	23.4	78
15/08/2022 20:00	2.2	62	4	2.8	0.00	23.2	79
15/08/2022 20:10	2.2	62	5	2.6	0.00	22.9	80
15/08/2022 20:20	2.4	54	4	2.9	0.00	22.7	82
15/08/2022 20:30	2.1	57	3	2.6	0.00	22.6	83
15/08/2022 20:40	1.7	53	3	2.5	0.00	22.6	84
15/08/2022 20:50	1.4	57	5	1.8	0.00	22.7	84
15/08/2022 21:00	1.5	49	4	2.1	0.00	22.5	85
15/08/2022 21:10	0.1	54	0	1.4	0.00	22.2	85
15/08/2022 21:20	0.0	25	1	0.5	0.00	22.0	86
15/08/2022 21:30	0.0	35	0	0.9	0.00	22.0	87
15/08/2022 21:40	0.0	54	1	0.4	0.00	21.9	88
15/08/2022 21:50	0.0	78	0	0.0	0.00	21.9	89
15/08/2022 22:00	0.0	136	0	0.9	0.00	21.8	89
15/08/2022 22:10	0.1	136	0	1.5	0.00	21.8	90
15/08/2022 22:20	0.0	136	0	1.6	0.00	21.9	90
15/08/2022 22:30	0.0	135	0	1.5	0.00	21.9	91
15/08/2022 22:40	0.0	135	0	0.9	0.00	21.7	91
15/08/2022 22:50	0.1	80	9	1.8	0.00	21.7	92
15/08/2022 23:00	0.0	39	2	0.9	0.00	21.6	92
15/08/2022 23:10	0.1	37	2	1.9	0.00	21.2	93
15/08/2022 23:20	0.1	69	1	0.7	0.00	21.3	93
15/08/2022 23:30	0.0	63	1	0.0	0.00	21.7	93
15/08/2022 23:40	0.0	66	0	1.4	0.00	21.8	94
15/08/2022 23:50	0.1	60	0	1.8	0.00	21.8	94
16/08/2022 00:00	0.1	64	1	1.3	0.00	21.7	94



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/08/2022 00:10	0.0	52	0	0.4	0.00	21.4	94
16/08/2022 00:20	0.0	39	1	0.7	0.00	21.1	94
16/08/2022 00:30	0.6	62	3	1.7	0.00	21.2	94
16/08/2022 00:40	0.7	78	3	2.5	0.00	20.9	94
16/08/2022 00:50	0.3	77	2	1.3	0.00	20.5	94
16/08/2022 01:00	0.0	76	1	1.6	0.00	20.6	94
16/08/2022 01:10	0.1	50	9	0.7	0.00	20.9	95
16/08/2022 01:20	0.3	80	8	1.8	0.00	21.0	95
16/08/2022 01:30	0.0	80	0	0.0	0.00	20.9	95
16/08/2022 01:40	1.0	69	5	2.5	0.00	21.1	95
16/08/2022 01:50	0.2	82	8	1.5	0.00	21.1	95
16/08/2022 02:00	0.0	115	0	0.7	0.00	20.8	95
16/08/2022 02:10	0.0	116	0	0.0	0.00	20.5	95
16/08/2022 02:20	0.0	116	0	1.4	0.00	20.7	95
16/08/2022 02:30	0.0	115	0	0.0	0.00	20.9	95
16/08/2022 02:40	0.0	76	0	0.6	0.00	21.0	95
16/08/2022 02:50	0.2	267	0	2.0	0.00	21.0	95
16/08/2022 03:00	1.4	274	4	2.3	0.00	20.7	95
16/08/2022 03:10	1.9	274	3	2.6	0.00	20.9	95
16/08/2022 03:20	2.4	266	6	3.1	0.00	21.2	95
16/08/2022 03:30	2.3	263	9	3.2	0.00	21.2	94
16/08/2022 03:40	2.9	265	6	3.6	0.00	21.3	94
16/08/2022 03:50	2.9	267	6	3.7	0.00	21.5	93
16/08/2022 04:00	2.8	261	6	3.5	0.00	21.6	93
16/08/2022 04:10	2.8	260	6	3.4	0.00	21.8	92
16/08/2022 04:20	2.6	272	8	3.2	0.00	22.0	92
16/08/2022 04:30	1.7	281	11	2.6	0.00	22.0	91
16/08/2022 04:40	2.2	292	5	2.9	0.00	21.8	91
16/08/2022 04:50	2.9	305	5	3.6	0.00	21.7	91
16/08/2022 05:00	2.6	305	8	3.6	0.00	21.7	91
16/08/2022 05:10	2.1	314	8	3.2	0.00	21.8	91
16/08/2022 05:20	0.3	298	5	1.7	0.00	21.7	91
16/08/2022 05:30	0.0	277	0	0.1	0.00	21.3	92
16/08/2022 05:40	0.0	301	0	0.6	0.00	21.3	92
16/08/2022 05:50	0.0	292	0	0.9	0.00	20.8	92
16/08/2022 06:00	0.0	291	0	0.8	0.00	20.6	93
16/08/2022 06:10	0.0	310	3	0.4	0.00	20.7	93
16/08/2022 06:20	0.0	174	7	1.0	0.00	20.3	93
16/08/2022 06:30	0.0	36	3	0.5	0.00	20.1	93
16/08/2022 06:40	0.0	32	0	0.9	0.00	20.3	94
16/08/2022 06:50	0.3	38	2	2.3	0.00	20.2	94
16/08/2022 07:00	2.2	35	3	3.4	0.00	20.3	95
16/08/2022 07:10	0.7	57	4	1.2	0.00	20.4	95
16/08/2022 07:20	0.1	58	3	1.2	0.00	20.6	95
16/08/2022 07:30	0.0	65	1	0.0	0.00	20.9	95
16/08/2022 07:40	0.1	67	2	0.9	0.00	21.2	94
16/08/2022 07:50	0.2	73	2	1.5	0.00	21.5	93
16/08/2022 08:00	1.8	70	10	2.8	0.00	21.6	92





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/08/2022 08:10	0.4	74	3	0.7	0.00	21.9	91
16/08/2022 08:20	1.4	77	6	3.0	0.00	22.5	88
16/08/2022 08:30	0.5	92	6	1.4	0.00	23.0	86
16/08/2022 08:40	0.8	104	13	2.4	0.00	23.6	84
16/08/2022 08:50	1.5	109	15	3.0	0.00	24.1	82
16/08/2022 09:00	2.5	97	14	3.5	0.00	24.0	82
16/08/2022 09:10	2.3	89	14	3.4	0.00	23.9	82
16/08/2022 09:20	2.6	77	10	3.5	0.00	24.1	81
16/08/2022 09:30	3.5	85	10	4.1	0.00	24.2	79
16/08/2022 09:40	2.9	74	14	3.7	0.00	24.4	77
16/08/2022 09:50	3.0	70	13	4.1	0.00	24.4	77
16/08/2022 10:00	3.0	65	13	3.8	0.00	24.8	77
16/08/2022 10:10	3.0	63	14	3.8	0.00	25.0	75
16/08/2022 10:20	2.8	75	14	3.9	0.00	25.4	74
16/08/2022 10:30	2.6	58	19	4.2	0.00	25.9	72
16/08/2022 10:40	2.6	48	14	3.7	0.00	25.6	74
16/08/2022 10:50	3.1	67	11	4.0	0.00	25.6	74
16/08/2022 11:00	3.0	62	12	4.0	0.00	25.8	75
16/08/2022 11:10	2.9	52	11	3.7	0.00	26.0	74
16/08/2022 11:20	2.9	50	15	4.1	0.00	26.1	74
16/08/2022 11:30	3.5	53	12	4.2	0.00	26.1	74
16/08/2022 11:40	3.3	57	13	4.6	0.00	26.1	74
16/08/2022 11:50	2.9	57	13	3.8	0.00	26.6	73
16/08/2022 12:00	3.2	51	13	4.0	0.00	26.8	71
16/08/2022 12:10	2.8	31	19	4.8	0.00	27.4	68
16/08/2022 12:20	2.2	59	23	3.9	0.00	28.1	66
16/08/2022 12:30	2.4	103	28	3.9	0.00	28.2	65
16/08/2022 12:40	2.7	102	26	3.6	0.00	28.2	65
16/08/2022 12:50	3.3	124	15	4.7	0.00	27.5	68
16/08/2022 13:00	3.9	63	9	4.7	0.00	27.4	68
16/08/2022 13:10	3.6	56	11	4.7	0.00	27.2	69
16/08/2022 13:20	2.7	194	43	4.3	0.00	28.0	64
16/08/2022 13:30	1.5	264	20	3.6	0.00	29.5	47
16/08/2022 13:40	2.7	232	31	4.1	0.00	29.3	44
16/08/2022 13:50	2.5	287	15	4.2	0.00	28.9	56
16/08/2022 14:00	3.1	274	20	4.6	0.00	28.7	54
16/08/2022 14:10	2.9	270	21	4.3	0.00	28.6	55
16/08/2022 14:20	2.6	282	16	4.3	0.00	28.5	57
16/08/2022 14:30	2.4	297	15	3.5	0.00	28.7	55
16/08/2022 14:40	2.3	297	16	3.4	0.00	28.5	55
16/08/2022 14:50	2.9	284	14	3.9	0.00	28.7	56
16/08/2022 15:00	2.3	287	13	3.4	0.00	28.7	55
16/08/2022 15:10	2.2	322	19	3.4	0.00	28.8	58
16/08/2022 15:20	2.2	281	16	3.8	0.00	28.4	58
16/08/2022 15:30	2.2	297	16	3.4	0.00	28.8	57
16/08/2022 15:40	2.4	328	10	3.4	0.00	28.5	59
16/08/2022 15:50	2.6	327	16	3.5	0.00	28.1	60
16/08/2022 16:00	2.6	323	9	3.4	0.00	28.1	60



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/08/2022 16:10	2.7	321	9	3.4	0.00	28.0	60
16/08/2022 16:20	2.7	319	11	3.7	0.00	27.9	62
16/08/2022 16:30	2.3	311	13	3.1	0.00	27.7	62
16/08/2022 16:40	2.7	330	9	3.6	0.00	27.4	62
16/08/2022 16:50	2.6	331	8	3.4	0.00	27.3	61
16/08/2022 17:00	2.7	341	9	3.5	0.00	27.3	63
16/08/2022 17:10	2.7	340	8	3.5	0.00	27.0	65
16/08/2022 17:20	2.9	324	10	3.6	0.00	26.6	68
16/08/2022 17:30	3.1	318	7	3.8	0.00	26.3	68
16/08/2022 17:40	3.0	313	11	3.9	0.00	25.9	70
16/08/2022 17:50	2.9	323	9	3.8	0.00	25.5	72
16/08/2022 18:00	3.3	334	7	4.3	0.00	25.3	74
16/08/2022 18:10	3.2	336	8	4.5	0.00	24.9	76
16/08/2022 18:20	3.8	336	5	4.5	0.00	24.6	78
16/08/2022 18:30	3.3	334	7	4.5	0.00	24.5	79
16/08/2022 18:40	3.7	338	7	4.3	0.00	24.3	79
16/08/2022 18:50	3.4	332	6	4.2	0.00	24.3	80
16/08/2022 19:00	3.7	326	6	4.4	0.00	24.2	79
16/08/2022 19:10	3.3	324	9	4.3	0.00	24.2	79
16/08/2022 19:20	3.3	326	7	4.2	0.00	24.2	80
16/08/2022 19:30	3.3	319	7	4.3	0.00	24.2	81
16/08/2022 19:40	3.4	307	9	4.4	0.00	24.2	82
16/08/2022 19:50	3.9	305	7	4.9	0.00	24.0	83
16/08/2022 20:00	4.4	295	7	5.5	0.00	24.4	77
16/08/2022 20:10	4.7	295	5	5.5	0.00	24.6	77
16/08/2022 20:20	4.4	294	6	5.2	0.00	24.3	80
16/08/2022 20:30	4.1	291	6	4.9	0.00	24.3	81
16/08/2022 20:40	3.1	288	8	4.1	0.00	24.1	83
16/08/2022 20:50	3.0	287	8	4.0	0.00	23.9	84
16/08/2022 21:00	3.0	286	9	4.0	0.00	23.8	85
16/08/2022 21:10	3.2	288	9	4.3	0.00	23.7	86
16/08/2022 21:20	3.3	288	8	4.2	0.00	23.8	86
16/08/2022 21:30	3.4	289	8	4.9	0.00	23.8	86
16/08/2022 21:40	3.5	291	7	4.7	0.00	23.7	86
16/08/2022 21:50	3.9	290	7	4.8	0.00	23.9	86
16/08/2022 22:00	3.9	289	7	5.0	0.00	24.0	86
16/08/2022 22:10	2.8	312	8	4.0	0.00	24.0	86
16/08/2022 22:20	2.6	312	7	3.4	0.00	23.7	88
16/08/2022 22:30	1.9	301	10	2.8	0.00	23.6	88
16/08/2022 22:40	1.7	303	6	2.9	0.00	23.5	89
16/08/2022 22:50	2.7	292	10	3.6	0.00	23.5	89
16/08/2022 23:00	2.7	290	9	3.9	0.00	23.6	89
16/08/2022 23:10	1.8	299	11	3.5	0.00	23.5	88
16/08/2022 23:20	1.3	312	4	2.4	0.00	23.4	89
16/08/2022 23:30	1.9	305	7	3.0	0.00	23.4	89
16/08/2022 23:40	2.9	321	7	3.7	0.00	23.4	90
16/08/2022 23:50	2.7	311	7	3.7	0.00	23.3	90
17/08/2022 00:00	2.7	271	12	3.4	0.00	23.0	90



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/08/2022 00:10	2.7	259	5	3.3	0.00	22.4	91
17/08/2022 00:20	2.7	274	3	3.4	0.00	22.5	92
17/08/2022 00:30	2.5	264	4	3.1	0.00	22.4	93
17/08/2022 00:40	2.4	255	3	3.0	0.00	22.1	93
17/08/2022 00:50	2.2	261	3	3.0	0.00	22.0	94
17/08/2022 01:00	2.2	267	2	2.9	0.00	22.3	95
17/08/2022 01:10	2.1	265	3	2.9	0.00	22.2	95
17/08/2022 01:20	1.8	262	3	2.8	0.00	22.1	95
17/08/2022 01:30	2.1	257	2	3.0	0.00	22.0	95
17/08/2022 01:40	2.3	259	3	2.9	0.00	22.0	96
17/08/2022 01:50	2.0	259	2	3.0	0.00	22.1	96
17/08/2022 02:00	2.8	255	2	3.4	0.00	22.1	96
17/08/2022 02:10	2.5	261	1	2.9	0.00	22.0	96
17/08/2022 02:20	2.7	264	2	3.5	0.00	22.0	96
17/08/2022 02:30	2.4	265	2	3.3	0.00	22.0	96
17/08/2022 02:40	2.7	269	2	3.6	0.00	22.0	96
17/08/2022 02:50	3.0	263	3	3.6	0.00	22.0	97
17/08/2022 03:00	2.7	262	3	3.4	0.00	22.0	97
17/08/2022 03:10	3.1	264	4	3.6	0.00	22.1	97
17/08/2022 03:20	3.1	257	8	4.0	0.00	22.3	97
17/08/2022 03:30	2.6	254	9	3.7	0.00	22.5	97
17/08/2022 03:40	2.5	265	9	3.5	0.00	22.4	97
17/08/2022 03:50	2.8	260	10	3.7	0.00	22.4	97
17/08/2022 04:00	3.1	264	8	4.2	0.00	22.4	97
17/08/2022 04:10	2.8	268	7	3.8	0.00	22.3	97
17/08/2022 04:20	2.7	271	4	3.1	0.00	22.1	97
17/08/2022 04:30	2.9	264	4	3.6	0.00	21.9	98
17/08/2022 04:40	3.8	257	5	4.5	0.00	21.9	98
17/08/2022 04:50	3.3	261	5	3.9	0.00	21.8	98
17/08/2022 05:00	2.6	265	4	3.4	0.00	21.6	98
17/08/2022 05:10	2.5	272	4	3.1	0.00	21.5	98
17/08/2022 05:20	2.9	275	2	3.4	0.00	21.5	98
17/08/2022 05:30	2.8	270	3	3.4	0.00	21.5	98
17/08/2022 05:40	1.6	265	4	2.7	0.00	21.4	98
17/08/2022 05:50	0.6	267	9	1.7	0.00	21.4	98
17/08/2022 06:00	2.6	279	5	3.4	0.00	21.4	98
17/08/2022 06:10	3.0	282	5	3.5	0.00	21.5	98
17/08/2022 06:20	2.7	276	5	3.4	0.00	21.5	98
17/08/2022 06:30	2.0	283	4	3.0	0.00	21.5	98
17/08/2022 06:40	1.4	265	6	2.8	0.00	21.6	99
17/08/2022 06:50	2.6	261	7	3.5	0.00	21.4	99
17/08/2022 07:00	0.3	237	7	2.2	0.00	21.5	99
17/08/2022 07:10	0.1	241	3	0.8	0.00	21.7	99
17/08/2022 07:20	0.0	254	2	0.0	0.00	21.8	98
17/08/2022 07:30	0.6	259	5	1.5	0.00	22.1	98
17/08/2022 07:40	2.5	261	9	3.8	0.00	22.3	98
17/08/2022 07:50	3.4	263	7	4.0	0.00	22.4	98
17/08/2022 08:00	3.2	250	11	4.3	0.00	22.7	97



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/08/2022 08:10	3.8	243	12	5.3	0.00	23.0	95
17/08/2022 08:20	3.9	241	12	5.4	0.00	23.5	90
17/08/2022 08:30	4.1	245	12	5.3	0.00	24.0	86
17/08/2022 08:40	4.9	233	10	6.5	0.00	24.1	83
17/08/2022 08:50	4.6	239	13	6.2	0.00	24.4	81
17/08/2022 09:00	4.5	238	12	5.8	0.00	24.4	80
17/08/2022 09:10	5.6	228	10	7.5	0.00	24.6	78
17/08/2022 09:20	5.4	233	9	6.8	0.00	24.5	79
17/08/2022 09:30	5.1	231	11	6.8	0.00	24.5	79
17/08/2022 09:40	5.8	232	10	8.0	0.00	24.9	75
17/08/2022 09:50	5.1	230	11	7.4	0.00	25.2	74
17/08/2022 10:00	5.7	231	12	7.9	0.00	25.5	72
17/08/2022 10:10	5.0	236	11	6.8	0.00	25.8	71
17/08/2022 10:20	5.0	214	16	7.3	0.10	26.0	70
17/08/2022 10:30	5.2	223	13	7.1	0.00	26.4	68
17/08/2022 10:40	5.5	229	11	8.0	0.00	26.5	68
17/08/2022 10:50	4.8	229	15	6.8	0.00	26.9	66
17/08/2022 11:00	5.4	230	14	6.9	0.00	27.2	64
17/08/2022 11:10	4.7	237	14	6.3	0.00	27.4	63
17/08/2022 11:20	5.2	237	13	7.1	0.00	27.4	63
17/08/2022 11:30	4.9	227	16	7.4	0.00	27.6	62
17/08/2022 11:40	5.1	229	17	6.6	0.00	27.8	61
17/08/2022 11:50	4.6	230	13	6.5	0.00	28.3	60
17/08/2022 12:00	5.1	242	12	7.4	0.00	28.2	59
17/08/2022 12:10	5.1	236	13	7.1	0.00	28.4	58
17/08/2022 12:20	5.6	238	15	7.7	0.00	28.5	58
17/08/2022 12:30	5.2	243	19	7.3	0.00	28.5	58
17/08/2022 12:40	6.5	268	7	8.2	0.00	28.0	60
17/08/2022 12:50	7.6	273	7	9.2	0.00	27.6	59
17/08/2022 13:00	7.3	273	9	8.9	0.00	27.4	60
17/08/2022 13:10	6.9	273	7	8.7	0.00	27.7	59
17/08/2022 13:20	7.5	272	8	9.4	0.00	27.6	59
17/08/2022 13:30	7.5	276	7	9.2	0.00	27.6	59
17/08/2022 13:40	7.2	272	8	8.9	0.00	27.8	58
17/08/2022 13:50	7.2	273	8	8.6	0.00	27.6	59
17/08/2022 14:00	6.9	269	10	9.0	0.00	27.8	58
17/08/2022 14:10	6.8	273	9	8.6	0.00	28.2	56
17/08/2022 14:20	6.8	267	10	9.4	0.00	28.3	55
17/08/2022 14:30	7.3	268	8	9.5	0.00	27.6	59
17/08/2022 14:40	7.0	271	9	8.9	0.00	27.3	59
17/08/2022 14:50	7.2	271	8	9.4	0.00	27.7	57
17/08/2022 15:00	7.3	270	8	9.5	0.00	27.5	57
17/08/2022 15:10	7.2	269	10	9.7	0.00	27.7	57
17/08/2022 15:20	7.8	272	8	10.3	0.00	26.6	64
17/08/2022 15:30	7.4	272	9	10.2	0.00	26.2	65
17/08/2022 15:40	7.3	273	8	9.7	0.00	26.1	65
17/08/2022 15:50	7.3	271	8	9.7	0.00	26.0	64
17/08/2022 16:00	7.6	273	8	9.7	0.00	25.6	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/08/2022 16:10	8.2	275	7	10.2	0.00	25.3	69
17/08/2022 16:20	7.4	275	8	9.4	0.00	25.3	70
17/08/2022 16:30	7.1	266	9	9.7	0.00	25.2	71
17/08/2022 16:40	6.9	265	8	8.7	0.00	25.1	71
17/08/2022 16:50	7.1	266	10	9.7	0.00	25.0	72
17/08/2022 17:00	6.9	267	8	9.6	0.00	24.8	74
17/08/2022 17:10	5.7	267	9	7.9	0.00	24.8	75
17/08/2022 17:20	5.1	270	10	8.0	0.00	24.9	74
17/08/2022 17:30	5.3	270	8	7.4	0.00	24.8	74
17/08/2022 17:40	5.4	270	8	7.2	0.00	24.6	74
17/08/2022 17:50	5.3	262	9	8.1	0.00	24.5	73
17/08/2022 18:00	5.4	262	8	7.5	0.00	24.5	71
17/08/2022 18:10	5.9	258	9	8.3	0.00	24.5	70
17/08/2022 18:20	5.8	256	8	7.3	0.00	24.5	70
17/08/2022 18:30	5.6	255	9	7.8	0.00	24.3	71
17/08/2022 18:40	6.3	254	7	8.1	0.00	24.2	71
17/08/2022 18:50	6.1	253	8	8.1	0.00	23.9	73
17/08/2022 19:00	6.4	256	7	8.4	0.00	23.8	73
17/08/2022 19:10	6.5	255	7	8.3	0.00	23.7	74
17/08/2022 19:20	6.1	257	6	7.9	0.00	23.6	74
17/08/2022 19:30	6.2	256	6	8.0	0.00	23.5	74
17/08/2022 19:40	5.6	259	7	7.5	0.00	23.4	74
17/08/2022 19:50	5.6	262	7	7.3	0.00	23.3	75
17/08/2022 20:00	5.5	263	7	6.9	0.00	23.2	76
17/08/2022 20:10	5.7	262	7	7.2	0.00	23.1	77
17/08/2022 20:20	5.6	262	7	6.9	0.00	23.0	78
17/08/2022 20:30	6.4	259	8	8.1	0.00	22.8	77
17/08/2022 20:40	5.3	256	7	7.1	0.00	22.6	76
17/08/2022 20:50	5.6	255	8	7.5	0.00	22.5	74
17/08/2022 21:00	5.6	254	6	7.0	0.00	22.4	72
17/08/2022 21:10	5.7	255	6	7.0	0.00	22.2	71
17/08/2022 21:20	4.9	257	6	6.5	0.00	22.0	71
17/08/2022 21:30	4.7	258	6	5.7	0.00	21.9	71
17/08/2022 21:40	4.7	255	7	5.9	0.00	21.9	70
17/08/2022 21:50	4.6	253	6	5.9	0.00	21.8	69
17/08/2022 22:00	4.6	253	7	5.5	0.00	21.7	69
17/08/2022 22:10	4.4	256	6	5.3	0.00	21.7	68
17/08/2022 22:20	4.4	255	7	5.3	0.00	21.7	67
17/08/2022 22:30	3.9	261	6	4.7	0.00	21.5	66
17/08/2022 22:40	4.2	263	6	4.9	0.00	21.3	65
17/08/2022 22:50	3.9	262	6	4.8	0.00	21.3	64
17/08/2022 23:00	4.2	250	12	5.6	0.00	21.5	61
17/08/2022 23:10	5.3	237	11	7.2	0.00	22.9	54
17/08/2022 23:20	5.2	234	10	7.3	0.00	23.1	52
17/08/2022 23:30	5.2	235	9	6.8	0.00	23.0	52
17/08/2022 23:40	4.8	235	10	6.5	0.00	23.1	49
17/08/2022 23:50	3.9	238	11	5.7	0.00	22.6	49
18/08/2022 00:00	4.7	235	11	6.5	0.00	22.6	48



Yara Pilbara Nitrates- Western Boundary  
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Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/08/2022 00:10	4.4	236	10	6.3	0.00	22.8	46
18/08/2022 00:20	4.5	244	10	6.4	0.00	22.3	48
18/08/2022 00:30	4.3	243	9	5.9	0.00	22.2	48
18/08/2022 00:40	4.5	239	11	6.2	0.00	22.0	48
18/08/2022 00:50	5.0	235	10	7.1	0.00	22.4	46
18/08/2022 01:00	4.9	235	10	7.0	0.00	22.3	47
18/08/2022 01:10	5.0	235	9	7.9	0.00	22.1	48
18/08/2022 01:20	4.9	234	10	6.8	0.00	21.8	48
18/08/2022 01:30	5.2	236	9	7.2	0.00	21.6	49
18/08/2022 01:40	5.0	233	9	6.3	0.00	21.4	50
18/08/2022 01:50	4.7	229	12	6.7	0.00	21.4	50
18/08/2022 02:00	4.2	225	15	6.1	0.00	21.3	50
18/08/2022 02:10	4.5	226	12	7.0	0.00	21.3	50
18/08/2022 02:20	5.1	231	10	7.5	0.00	21.3	49
18/08/2022 02:30	4.7	226	13	6.8	0.00	21.1	49
18/08/2022 02:40	4.4	219	13	6.5	0.00	21.1	50
18/08/2022 02:50	5.1	207	11	7.8	0.00	21.0	49
18/08/2022 03:00	6.2	206	8	8.4	0.00	20.9	48
18/08/2022 03:10	6.6	205	8	8.5	0.00	20.9	48
18/08/2022 03:20	6.4	205	9	8.4	0.00	20.7	49
18/08/2022 03:30	6.7	207	9	8.7	0.00	20.6	49
18/08/2022 03:40	6.6	206	9	9.0	0.00	20.6	49
18/08/2022 03:50	6.2	205	10	8.0	0.00	20.4	50
18/08/2022 04:00	6.3	206	7	8.0	0.00	20.3	50
18/08/2022 04:10	6.6	206	8	8.4	0.00	20.2	50
18/08/2022 04:20	6.3	207	9	8.6	0.00	20.2	50
18/08/2022 04:30	6.6	207	7	8.2	0.00	20.1	49
18/08/2022 04:40	5.9	207	8	7.5	0.00	20.0	49
18/08/2022 04:50	5.7	206	9	7.1	0.00	19.9	50
18/08/2022 05:00	5.7	207	8	7.5	0.00	19.9	50
18/08/2022 05:10	5.8	207	9	7.1	0.00	19.8	50
18/08/2022 05:20	6.0	208	9	7.9	0.00	19.8	50
18/08/2022 05:30	5.1	206	8	6.5	0.00	19.6	50
18/08/2022 05:40	4.2	207	11	5.7	0.00	19.5	51
18/08/2022 05:50	4.0	205	9	6.0	0.00	19.3	51
18/08/2022 06:00	4.1	206	11	6.0	0.00	19.3	51
18/08/2022 06:10	4.3	207	11	5.9	0.00	19.2	51
18/08/2022 06:20	4.0	205	13	5.6	0.00	19.3	52
18/08/2022 06:30	3.0	207	11	4.9	0.00	19.2	52
18/08/2022 06:40	2.8	214	15	4.5	0.00	19.2	52
18/08/2022 06:50	2.6	228	25	5.1	0.00	19.2	52
18/08/2022 07:00	1.3	327	37	3.0	0.00	18.8	54
18/08/2022 07:10	0.9	139	41	3.5	0.00	19.2	53
18/08/2022 07:20	2.4	187	15	4.0	0.00	19.5	52
18/08/2022 07:30	1.6	187	13	3.0	0.00	19.6	51
18/08/2022 07:40	1.4	194	19	2.8	0.00	19.6	51
18/08/2022 07:50	3.6	182	12	5.7	0.00	19.5	51
18/08/2022 08:00	3.7	179	10	5.2	0.00	19.6	51



Yara Pilbara Nitrates- Western Boundary  
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Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/08/2022 08:10	3.1	181	9	4.4	0.00	19.8	51
18/08/2022 08:20	3.1	174	13	4.4	0.00	20.2	49
18/08/2022 08:30	2.9	168	14	4.4	0.00	20.2	49
18/08/2022 08:40	2.1	150	18	3.2	0.00	21.0	47
18/08/2022 08:50	2.7	129	13	3.9	0.00	21.5	46
18/08/2022 09:00	2.8	122	14	4.2	0.00	21.5	46
18/08/2022 09:10	2.9	117	12	4.3	0.00	21.4	46
18/08/2022 09:20	2.7	122	15	4.3	0.00	21.8	46
18/08/2022 09:30	3.0	132	12	4.1	0.00	22.0	46
18/08/2022 09:40	3.2	127	15	4.5	0.00	22.3	44
18/08/2022 09:50	3.3	126	15	4.9	0.00	22.4	44
18/08/2022 10:00	3.4	127	13	4.5	0.00	22.6	44
18/08/2022 10:10	2.8	128	17	4.7	0.00	23.1	42
18/08/2022 10:20	2.8	125	16	4.3	0.00	23.8	42
18/08/2022 10:30	2.7	133	16	3.9	0.00	23.9	41
18/08/2022 10:40	2.2	129	16	4.0	0.00	24.1	40
18/08/2022 10:50	2.5	126	18	3.9	0.00	24.5	39
18/08/2022 11:00	2.8	118	17	4.1	0.00	24.6	40
18/08/2022 11:10	2.1	118	24	3.8	0.00	24.6	39
18/08/2022 11:20	2.1	132	19	3.1	0.00	25.0	39
18/08/2022 11:30	2.3	90	28	3.7	0.00	25.2	39
18/08/2022 11:40	3.0	90	27	4.0	0.00	25.2	38
18/08/2022 11:50	3.0	49	15	4.5	0.00	24.8	40
18/08/2022 12:00	3.1	35	14	4.2	0.00	25.0	41
18/08/2022 12:10	3.3	35	15	4.2	0.00	25.1	42
18/08/2022 12:20	3.2	53	12	4.7	0.00	25.3	41
18/08/2022 12:30	3.5	42	17	5.1	0.00	25.4	41
18/08/2022 12:40	3.5	42	13	4.8	0.00	25.2	41
18/08/2022 12:50	3.5	49	16	4.8	0.00	25.6	40
18/08/2022 13:00	3.8	46	12	4.9	0.00	25.8	40
18/08/2022 13:10	4.2	54	11	5.0	0.00	25.9	40
18/08/2022 13:20	3.8	51	13	5.2	0.00	26.1	39
18/08/2022 13:30	2.7	30	13	3.8	0.00	26.4	38
18/08/2022 13:40	3.2	55	18	4.7	0.00	27.0	37
18/08/2022 13:50	2.8	50	12	3.9	0.00	27.1	37
18/08/2022 14:00	2.7	45	13	3.8	0.00	27.0	37
18/08/2022 14:10	2.6	42	19	3.8	0.00	27.4	36
18/08/2022 14:20	2.6	51	18	3.8	0.00	27.3	36
18/08/2022 14:30	3.0	36	15	4.2	0.00	27.5	36
18/08/2022 14:40	3.0	35	16	4.1	0.00	27.6	35
18/08/2022 14:50	2.8	33	16	3.9	0.00	27.6	35
18/08/2022 15:00	2.8	43	12	3.6	0.00	27.9	35
18/08/2022 15:10	2.0	44	17	2.9	0.00	28.1	34
18/08/2022 15:20	2.0	44	15	3.3	0.00	28.4	34
18/08/2022 15:30	1.7	48	19	2.9	0.00	28.5	34
18/08/2022 15:40	2.7	7	26	4.2	0.00	28.4	38
18/08/2022 15:50	2.8	348	14	3.9	0.00	27.5	41
18/08/2022 16:00	2.1	343	14	3.3	0.00	27.9	39



Yara Pilbara Nitrates- Western Boundary  
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Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/08/2022 16:10	2.8	341	11	3.5	0.00	27.5	41
18/08/2022 16:20	3.4	326	8	4.6	0.00	27.0	44
18/08/2022 16:30	3.2	318	11	4.1	0.00	26.7	46
18/08/2022 16:40	3.2	317	8	3.9	0.00	26.5	47
18/08/2022 16:50	3.1	299	10	4.1	0.00	26.2	47
18/08/2022 17:00	2.5	292	10	3.7	0.00	26.3	46
18/08/2022 17:10	3.0	281	12	3.8	0.00	26.0	49
18/08/2022 17:20	3.4	278	8	4.1	0.00	25.6	50
18/08/2022 17:30	2.9	284	7	3.7	0.00	25.2	51
18/08/2022 17:40	3.0	287	9	3.7	0.00	25.1	52
18/08/2022 17:50	3.4	270	6	4.3	0.00	24.4	55
18/08/2022 18:00	3.3	272	5	3.9	0.00	23.7	62
18/08/2022 18:10	3.6	263	7	4.4	0.00	23.4	64
18/08/2022 18:20	3.2	263	5	4.0	0.00	23.0	66
18/08/2022 18:30	3.8	265	6	4.5	0.00	23.0	62
18/08/2022 18:40	3.4	263	6	4.4	0.00	22.9	69
18/08/2022 18:50	3.8	258	5	4.7	0.00	22.6	71
18/08/2022 19:00	4.0	257	6	4.7	0.00	22.4	71
18/08/2022 19:10	4.2	257	6	5.1	0.00	22.4	70
18/08/2022 19:20	4.4	262	6	5.4	0.00	22.3	71
18/08/2022 19:30	4.3	258	5	4.9	0.00	22.3	70
18/08/2022 19:40	3.9	259	5	4.7	0.00	22.0	72
18/08/2022 19:50	4.1	260	5	4.9	0.00	22.1	71
18/08/2022 20:00	3.4	264	4	4.1	0.00	21.8	71
18/08/2022 20:10	3.3	260	3	3.8	0.00	21.5	72
18/08/2022 20:20	3.4	262	3	3.8	0.00	21.2	73
18/08/2022 20:30	3.5	264	5	3.9	0.00	21.0	74
18/08/2022 20:40	3.3	266	4	3.9	0.00	21.0	74
18/08/2022 20:50	3.3	267	4	3.9	0.00	21.1	74
18/08/2022 21:00	3.1	268	4	3.6	0.00	21.0	75
18/08/2022 21:10	3.4	269	4	3.8	0.00	21.2	75
18/08/2022 21:20	3.4	269	2	3.9	0.00	21.1	75
18/08/2022 21:30	3.4	262	3	4.0	0.00	20.9	75
18/08/2022 21:40	3.0	265	4	3.6	0.00	20.8	75
18/08/2022 21:50	3.1	268	5	3.6	0.00	20.9	74
18/08/2022 22:00	3.2	272	4	3.6	0.00	21.2	71
18/08/2022 22:10	3.2	266	7	3.7	0.00	21.4	67
18/08/2022 22:20	3.1	266	7	3.7	0.00	21.5	65
18/08/2022 22:30	1.1	263	10	2.7	0.00	21.1	68
18/08/2022 22:40	1.2	277	16	2.9	0.00	21.1	69
18/08/2022 22:50	0.7	240	12	2.5	0.00	21.2	69
18/08/2022 23:00	2.1	226	11	3.1	0.00	22.2	62
18/08/2022 23:10	2.7	213	22	4.4	0.00	22.7	57
18/08/2022 23:20	2.7	202	18	4.1	0.00	23.2	51
18/08/2022 23:30	0.7	234	1	1.9	0.00	22.9	52
18/08/2022 23:40	0.3	234	1	1.1	0.00	22.8	53
18/08/2022 23:50	0.4	205	10	2.0	0.00	22.5	54
19/08/2022 00:00	0.4	176	17	2.8	0.00	22.4	53





Yara Pilbara Nitrates- Western Boundary  
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Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/08/2022 00:10	2.8	135	20	4.9	0.00	23.6	44
19/08/2022 00:20	3.5	136	16	5.7	0.00	24.1	43
19/08/2022 00:30	2.2	132	25	4.1	0.00	23.8	47
19/08/2022 00:40	2.6	117	16	4.4	0.00	24.1	48
19/08/2022 00:50	5.4	109	12	8.1	0.00	24.5	43
19/08/2022 01:00	4.5	97	12	7.1	0.00	24.4	41
19/08/2022 01:10	3.6	83	8	5.2	0.00	23.6	45
19/08/2022 01:20	2.8	83	10	4.0	0.00	23.0	50
19/08/2022 01:30	2.6	88	11	4.3	0.00	22.7	51
19/08/2022 01:40	2.8	86	10	4.1	0.00	22.5	52
19/08/2022 01:50	2.9	89	13	4.3	0.00	22.5	50
19/08/2022 02:00	3.2	106	15	5.6	0.00	22.9	45
19/08/2022 02:10	3.6	100	14	5.2	0.00	22.9	42
19/08/2022 02:20	4.9	110	12	7.7	0.00	23.1	41
19/08/2022 02:30	5.7	109	9	8.2	0.00	23.0	42
19/08/2022 02:40	5.8	109	11	7.8	0.00	23.0	40
19/08/2022 02:50	6.1	109	10	8.4	0.00	22.9	38
19/08/2022 03:00	6.3	112	11	8.7	0.00	22.8	38
19/08/2022 03:10	6.7	110	11	9.1	0.00	22.7	38
19/08/2022 03:20	6.5	110	10	9.2	0.00	22.7	38
19/08/2022 03:30	4.9	103	16	8.1	0.00	22.4	40
19/08/2022 03:40	5.6	102	15	8.4	0.00	22.4	38
19/08/2022 03:50	5.8	105	14	8.2	0.00	22.3	37
19/08/2022 04:00	6.1	104	12	9.4	0.00	22.1	37
19/08/2022 04:10	6.8	112	8	9.8	0.00	22.2	36
19/08/2022 04:20	6.3	118	7	9.2	0.00	22.0	38
19/08/2022 04:30	6.5	115	7	9.6	0.00	21.9	37
19/08/2022 04:40	5.3	99	3	7.6	0.00	21.7	40
19/08/2022 04:50	6.7	112	10	9.3	0.00	21.6	40
19/08/2022 05:00	6.6	111	6	9.9	0.00	21.6	41
19/08/2022 05:10	7.4	106	13	11.0	0.00	21.6	41
19/08/2022 05:20	7.0	104	11	11.3	0.00	21.6	41
19/08/2022 05:30	7.9	106	12	10.7	0.00	21.6	41
19/08/2022 05:40	7.5	104	12	11.5	0.00	21.6	42
19/08/2022 05:50	7.6	106	12	11.0	0.00	21.5	42
19/08/2022 06:00	7.5	103	9	10.4	0.00	21.3	40
19/08/2022 06:10	6.9	94	8	10.3	0.00	21.2	40
19/08/2022 06:20	7.3	106	11	10.0	0.00	21.1	40
19/08/2022 06:30	6.5	104	9	9.5	0.00	20.9	41
19/08/2022 06:40	7.4	110	10	9.9	0.00	20.8	39
19/08/2022 06:50	5.3	110	13	8.6	0.00	20.7	43
19/08/2022 07:00	5.5	109	10	8.1	0.00	20.7	43
19/08/2022 07:10	5.0	109	11	8.7	0.00	20.8	42
19/08/2022 07:20	4.6	112	14	7.4	0.00	20.7	40
19/08/2022 07:30	6.0	108	11	8.8	0.00	20.7	40
19/08/2022 07:40	6.4	108	12	8.7	0.00	20.7	40
19/08/2022 07:50	6.7	108	10	9.7	0.00	20.8	39
19/08/2022 08:00	6.1	110	13	9.1	0.00	21.0	40



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/08/2022 08:10	6.6	108	12	10.3	0.00	21.2	40
19/08/2022 08:20	7.2	109	13	10.5	0.00	21.3	40
19/08/2022 08:30	6.8	107	14	10.9	0.00	21.5	40
19/08/2022 08:40	6.9	107	12	9.9	0.00	21.7	39
19/08/2022 08:50	7.8	108	11	10.5	0.00	21.9	38
19/08/2022 09:00	7.9	109	12	11.6	0.00	22.1	37
19/08/2022 09:10	7.4	107	10	10.5	0.00	22.3	38
19/08/2022 09:20	7.5	105	11	10.4	0.00	22.5	38
19/08/2022 09:30	7.4	105	13	10.8	0.00	22.8	37
19/08/2022 09:40	7.6	106	12	10.6	0.00	22.8	36
19/08/2022 09:50	7.4	108	11	11.1	0.00	22.9	36
19/08/2022 10:00	7.0	107	14	10.6	0.00	23.2	37
19/08/2022 10:10	7.0	107	13	10.1	0.00	23.2	34
19/08/2022 10:20	6.3	106	12	9.6	0.00	23.7	35
19/08/2022 10:30	7.1	106	12	10.1	0.00	23.6	34
19/08/2022 10:40	7.2	108	11	10.0	0.00	23.7	34
19/08/2022 10:50	6.7	106	12	9.8	0.00	24.0	35
19/08/2022 11:00	7.0	106	12	9.7	0.00	24.2	35
19/08/2022 11:10	6.5	110	11	9.7	0.00	24.3	34
19/08/2022 11:20	6.5	108	10	8.9	0.00	24.5	34
19/08/2022 11:30	6.5	104	12	9.1	0.00	25.0	34
19/08/2022 11:40	6.2	101	14	8.8	0.00	25.3	32
19/08/2022 11:50	5.9	105	13	8.6	0.00	25.6	32
19/08/2022 12:00	5.7	107	14	8.2	0.00	25.7	31
19/08/2022 12:10	6.2	89	10	8.0	0.00	25.4	35
19/08/2022 12:20	6.6	85	8	8.5	0.00	25.2	35
19/08/2022 12:30	6.1	86	11	8.4	0.00	25.5	35
19/08/2022 12:40	6.0	81	8	8.4	0.00	25.2	36
19/08/2022 12:50	6.4	81	8	8.7	0.00	25.0	37
19/08/2022 13:00	5.9	77	10	8.1	0.00	25.4	36
19/08/2022 13:10	6.1	83	9	8.1	0.00	25.5	36
19/08/2022 13:20	5.9	77	12	8.0	0.00	25.4	35
19/08/2022 13:30	6.1	71	9	7.8	0.00	25.8	36
19/08/2022 13:40	6.9	69	8	8.7	0.00	24.8	38
19/08/2022 13:50	6.8	70	7	8.4	0.00	25.1	37
19/08/2022 14:00	6.7	70	9	8.5	0.00	25.1	34
19/08/2022 14:10	6.5	70	8	7.9	0.00	25.1	34
19/08/2022 14:20	6.0	74	10	7.8	0.00	25.3	34
19/08/2022 14:30	5.4	71	9	7.1	0.00	25.6	35
19/08/2022 14:40	5.2	69	12	6.7	0.00	25.7	36
19/08/2022 14:50	5.2	66	13	7.4	0.00	25.7	35
19/08/2022 15:00	5.2	67	11	6.9	0.00	26.0	34
19/08/2022 15:10	5.1	71	10	6.6	0.00	25.9	35
19/08/2022 15:20	5.2	63	10	7.0	0.00	25.8	36
19/08/2022 15:30	5.0	58	9	6.5	0.00	25.8	36
19/08/2022 15:40	4.8	59	10	6.4	0.00	26.0	34
19/08/2022 15:50	5.1	52	9	7.0	0.00	25.6	36
19/08/2022 16:00	5.4	56	10	6.5	0.00	25.6	35



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/08/2022 16:10	4.8	55	8	6.2	0.00	25.7	34
19/08/2022 16:20	4.5	57	9	6.2	0.00	26.0	33
19/08/2022 16:30	4.5	57	9	6.0	0.00	25.8	34
19/08/2022 16:40	4.1	58	10	5.5	0.00	25.7	33
19/08/2022 16:50	3.7	53	9	5.2	0.00	25.7	36
19/08/2022 17:00	3.2	46	10	4.2	0.00	25.5	37
19/08/2022 17:10	3.3	38	8	4.0	0.00	25.1	38
19/08/2022 17:20	3.1	43	7	3.9	0.00	25.0	37
19/08/2022 17:30	2.7	41	8	3.5	0.00	24.8	37
19/08/2022 17:40	2.6	47	9	3.4	0.00	24.7	37
19/08/2022 17:50	2.6	45	7	3.3	0.00	24.1	36
19/08/2022 18:00	1.6	44	8	2.4	0.00	23.5	37
19/08/2022 18:10	1.4	44	6	2.0	0.00	23.4	38
19/08/2022 18:20	1.5	48	6	2.0	0.00	23.2	40
19/08/2022 18:30	1.6	45	2	2.0	0.00	22.9	41
19/08/2022 18:40	0.8	42	1	1.6	0.00	22.0	42
19/08/2022 18:50	0.0	57	5	0.1	0.00	21.9	42
19/08/2022 19:00	0.0	66	3	0.0	0.00	21.9	42
19/08/2022 19:10	0.4	93	0	0.9	0.00	21.7	42
19/08/2022 19:20	0.0	73	7	0.2	0.00	21.8	42
19/08/2022 19:30	0.1	98	3	0.6	0.00	22.6	40
19/08/2022 19:40	0.0	69	2	0.0	0.00	23.5	36
19/08/2022 19:50	0.0	57	5	0.0	0.00	23.3	36
19/08/2022 20:00	0.0	94	8	0.0	0.00	23.3	36
19/08/2022 20:10	0.0	74	9	0.0	0.00	23.6	36
19/08/2022 20:20	0.9	103	7	1.3	0.00	23.7	37
19/08/2022 20:30	0.3	95	18	1.9	0.00	23.6	37
19/08/2022 20:40	1.3	111	14	2.2	0.00	23.6	37
19/08/2022 20:50	1.5	109	18	2.5	0.00	23.6	36
19/08/2022 21:00	2.5	121	5	3.0	0.00	24.1	34
19/08/2022 21:10	2.3	120	9	3.2	0.00	24.6	31
19/08/2022 21:20	2.6	112	14	3.6	0.00	24.8	29
19/08/2022 21:30	2.5	110	13	4.0	0.00	24.6	28
19/08/2022 21:40	2.2	122	18	3.6	0.00	24.6	25
19/08/2022 21:50	2.4	139	15	4.2	0.00	25.5	19
19/08/2022 22:00	3.1	141	13	5.0	0.00	26.3	17
19/08/2022 22:10	3.3	138	16	5.7	0.00	26.1	17
19/08/2022 22:20	3.1	134	18	5.0	0.00	25.5	18
19/08/2022 22:30	2.8	131	15	4.8	0.00	25.3	19
19/08/2022 22:40	2.5	118	18	4.6	0.00	24.8	20
19/08/2022 22:50	2.1	108	18	3.9	0.00	23.8	24
19/08/2022 23:00	2.1	102	14	4.1	0.00	23.0	26
19/08/2022 23:10	2.6	105	13	4.3	0.00	23.5	26
19/08/2022 23:20	3.2	107	11	5.2	0.00	23.1	28
19/08/2022 23:30	2.7	115	9	4.0	0.00	22.8	30
19/08/2022 23:40	2.8	118	9	3.9	0.00	22.6	32
19/08/2022 23:50	3.4	114	8	4.3	0.00	22.7	33
20/08/2022 00:00	2.9	114	7	4.0	0.00	22.6	33



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/08/2022 00:10	2.6	113	9	3.9	0.00	22.3	33
20/08/2022 00:20	2.9	115	6	3.9	0.00	22.1	31
20/08/2022 00:30	2.4	112	8	3.7	0.00	21.7	33
20/08/2022 00:40	2.9	111	8	4.1	0.00	21.5	35
20/08/2022 00:50	2.7	108	15	4.2	0.00	21.3	37
20/08/2022 01:00	3.1	106	13	4.6	0.00	21.0	42
20/08/2022 01:10	3.4	106	13	4.9	0.00	21.1	47
20/08/2022 01:20	3.3	102	12	4.6	0.00	21.1	45
20/08/2022 01:30	3.4	96	13	5.2	0.00	21.4	42
20/08/2022 01:40	4.0	90	10	5.7	0.00	21.6	41
20/08/2022 01:50	4.0	94	13	5.7	0.00	21.8	40
20/08/2022 02:00	4.2	101	15	5.9	0.00	22.2	38
20/08/2022 02:10	4.6	104	14	6.9	0.00	22.5	38
20/08/2022 02:20	5.6	108	15	9.0	0.00	22.6	37
20/08/2022 02:30	5.2	104	14	8.1	0.00	22.5	37
20/08/2022 02:40	5.3	99	15	7.4	0.00	22.4	38
20/08/2022 02:50	5.6	105	13	8.3	0.00	22.3	38
20/08/2022 03:00	5.5	107	14	8.1	0.00	22.0	38
20/08/2022 03:10	6.0	107	13	8.6	0.00	21.9	38
20/08/2022 03:20	5.6	105	12	8.6	0.00	21.7	40
20/08/2022 03:30	5.7	105	14	8.2	0.00	21.6	40
20/08/2022 03:40	5.3	102	16	8.1	0.00	21.6	40
20/08/2022 03:50	5.7	100	14	8.5	0.00	21.7	37
20/08/2022 04:00	5.7	99	14	7.8	0.00	21.6	38
20/08/2022 04:10	5.9	103	13	8.6	0.00	21.6	37
20/08/2022 04:20	6.1	104	12	8.7	0.00	21.6	39
20/08/2022 04:30	6.2	108	12	8.4	0.00	21.1	41
20/08/2022 04:40	6.6	108	10	8.9	0.00	21.1	40
20/08/2022 04:50	6.7	108	12	9.2	0.00	21.1	38
20/08/2022 05:00	6.5	108	11	9.1	0.00	21.1	38
20/08/2022 05:10	6.5	108	11	8.9	0.00	20.9	39
20/08/2022 05:20	6.5	108	10	8.7	0.00	20.7	38
20/08/2022 05:30	6.3	108	11	8.8	0.00	20.5	38
20/08/2022 05:40	6.2	109	10	8.5	0.00	20.4	36
20/08/2022 05:50	4.8	109	11	7.3	0.00	20.1	40
20/08/2022 06:00	6.2	110	11	8.9	0.00	20.3	38
20/08/2022 06:10	6.9	108	9	9.8	0.00	20.5	36
20/08/2022 06:20	6.0	109	11	8.6	0.00	20.4	37
20/08/2022 06:30	6.8	106	10	9.7	0.00	20.5	37
20/08/2022 06:40	6.5	105	11	9.3	0.00	20.5	39
20/08/2022 06:50	6.1	106	12	8.9	0.00	20.5	39
20/08/2022 07:00	6.3	107	10	8.8	0.00	20.7	38
20/08/2022 07:10	6.2	107	11	9.1	0.00	20.8	37
20/08/2022 07:20	6.5	106	11	9.1	0.00	20.9	38
20/08/2022 07:30	7.4	106	12	10.6	0.00	21.1	36
20/08/2022 07:40	6.7	107	12	9.6	0.00	21.2	36
20/08/2022 07:50	6.1	108	10	8.5	0.00	21.3	37
20/08/2022 08:00	5.6	108	11	8.0	0.00	21.5	38



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/08/2022 08:10	3.7	115	15	5.7	0.00	21.8	39
20/08/2022 08:20	3.9	111	16	6.8	0.00	22.0	37
20/08/2022 08:30	5.5	106	11	8.4	0.00	22.2	37
20/08/2022 08:40	5.5	109	12	7.7	0.00	22.5	36
20/08/2022 08:50	6.6	109	11	9.1	0.00	22.7	34
20/08/2022 09:00	7.7	106	12	10.3	0.00	23.1	33
20/08/2022 09:10	7.7	109	12	10.6	0.00	23.3	32
20/08/2022 09:20	7.9	104	11	11.5	0.00	23.6	31
20/08/2022 09:30	7.5	105	11	11.2	0.00	23.8	31
20/08/2022 09:40	7.2	108	13	9.7	0.00	23.8	32
20/08/2022 09:50	7.6	106	12	11.1	0.00	24.2	32
20/08/2022 10:00	8.0	107	13	11.4	0.00	24.5	30
20/08/2022 10:10	8.1	106	12	11.4	0.00	24.5	32
20/08/2022 10:20	7.8	105	12	12.1	0.00	24.7	32
20/08/2022 10:30	7.4	105	12	11.0	0.00	24.9	32
20/08/2022 10:40	7.5	104	13	9.9	0.00	25.2	32
20/08/2022 10:50	6.8	103	13	9.6	0.00	25.9	30
20/08/2022 11:00	7.3	105	13	11.1	0.00	25.9	31
20/08/2022 11:10	6.4	104	13	9.4	0.00	26.0	31
20/08/2022 11:20	6.1	102	14	8.5	0.00	26.3	32
20/08/2022 11:30	6.7	88	9	9.0	0.00	26.2	34
20/08/2022 11:40	8.0	87	8	10.5	0.00	25.9	34
20/08/2022 11:50	8.0	88	8	11.4	0.00	26.1	30
20/08/2022 12:00	8.3	87	7	11.0	0.00	26.1	30
20/08/2022 12:10	8.2	85	7	10.2	0.00	26.1	30
20/08/2022 12:20	7.6	80	9	9.9	0.00	26.5	29
20/08/2022 12:30	7.5	75	10	9.8	0.00	26.3	31
20/08/2022 12:40	7.4	69	7	9.3	0.00	26.2	31
20/08/2022 12:50	8.1	69	8	10.3	0.00	26.1	32
20/08/2022 13:00	7.7	71	9	10.1	0.00	26.2	32
20/08/2022 13:10	7.8	73	10	9.4	0.00	26.2	32
20/08/2022 13:20	7.7	70	8	9.8	0.00	26.2	32
20/08/2022 13:30	6.6	71	10	8.5	0.00	26.6	32
20/08/2022 13:40	5.8	81	12	8.0	0.00	27.3	30
20/08/2022 13:50	6.6	72	9	8.8	0.00	26.9	30
20/08/2022 14:00	6.9	71	8	8.7	0.00	26.8	30
20/08/2022 14:10	6.8	72	9	9.0	0.00	27.0	29
20/08/2022 14:20	6.8	71	10	9.0	0.00	27.2	28
20/08/2022 14:30	7.3	73	9	9.1	0.00	27.3	26
20/08/2022 14:40	7.5	72	9	9.5	0.00	27.4	26
20/08/2022 14:50	7.3	73	10	9.2	0.00	27.4	25
20/08/2022 15:00	6.7	72	10	8.8	0.00	27.7	25
20/08/2022 15:10	5.6	63	14	7.9	0.00	27.8	26
20/08/2022 15:20	5.1	62	12	7.1	0.00	27.9	25
20/08/2022 15:30	4.7	67	12	6.8	0.00	28.1	23
20/08/2022 15:40	4.6	64	12	6.5	0.00	28.3	22
20/08/2022 15:50	4.8	62	10	6.7	0.00	27.9	23
20/08/2022 16:00	4.9	58	10	6.5	0.00	27.7	23



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/08/2022 16:10	4.6	52	9	6.1	0.00	27.7	24
20/08/2022 16:20	4.5	53	9	5.6	0.00	27.8	23
20/08/2022 16:30	4.0	57	10	5.3	0.00	28.0	23
20/08/2022 16:40	4.3	52	12	5.7	0.00	27.6	25
20/08/2022 16:50	3.9	54	9	5.1	0.00	27.4	27
20/08/2022 17:00	3.6	55	12	4.9	0.00	27.4	28
20/08/2022 17:10	3.1	70	11	4.6	0.00	27.5	27
20/08/2022 17:20	3.5	71	9	4.5	0.00	27.3	26
20/08/2022 17:30	3.0	66	10	4.1	0.00	27.0	27
20/08/2022 17:40	2.6	49	7	3.4	0.00	26.5	30
20/08/2022 17:50	2.2	50	6	2.8	0.00	25.8	32
20/08/2022 18:00	2.2	48	6	2.9	0.00	25.1	33
20/08/2022 18:10	2.5	45	3	3.0	0.00	24.6	35
20/08/2022 18:20	1.9	52	4	2.5	0.00	24.3	36
20/08/2022 18:30	1.5	53	3	1.8	0.00	24.1	37
20/08/2022 18:40	1.4	47	2	1.6	0.00	23.8	37
20/08/2022 18:50	1.2	47	2	1.4	0.00	23.7	38
20/08/2022 19:00	1.1	49	0	1.5	0.00	23.6	38
20/08/2022 19:10	0.2	46	1	0.7	0.00	23.2	39
20/08/2022 19:20	0.0	40	1	0.0	0.00	23.2	39
20/08/2022 19:30	0.0	54	0	0.1	0.00	22.6	41
20/08/2022 19:40	0.0	55	0	0.0	0.00	22.3	42
20/08/2022 19:50	0.0	60	1	0.0	0.00	22.8	41
20/08/2022 20:00	0.0	62	2	0.0	0.00	22.9	40
20/08/2022 20:10	0.0	29	7	0.0	0.00	22.1	42
20/08/2022 20:20	0.0	80	4	0.0	0.00	22.9	40
20/08/2022 20:30	0.0	99	1	0.1	0.00	22.6	41
20/08/2022 20:40	0.0	77	8	0.0	0.00	23.1	41
20/08/2022 20:50	0.2	66	12	1.3	0.00	23.5	40
20/08/2022 21:00	0.1	41	9	0.6	0.00	23.7	40
20/08/2022 21:10	0.0	58	12	0.1	0.00	23.5	40
20/08/2022 21:20	0.0	36	7	0.6	0.00	23.4	40
20/08/2022 21:30	0.2	67	16	1.2	0.00	23.5	39
20/08/2022 21:40	0.2	78	16	1.2	0.00	23.4	39
20/08/2022 21:50	0.2	41	6	1.3	0.00	23.1	39
20/08/2022 22:00	0.6	58	14	1.6	0.00	22.5	41
20/08/2022 22:10	0.5	35	11	1.6	0.00	22.5	40
20/08/2022 22:20	0.0	202	21	0.1	0.00	22.3	40
20/08/2022 22:30	0.0	94	17	0.0	0.00	22.5	39
20/08/2022 22:40	0.0	97	0	0.0	0.00	22.4	39
20/08/2022 22:50	0.0	69	11	0.6	0.00	22.9	38
20/08/2022 23:00	0.0	95	12	0.0	0.00	22.8	38
20/08/2022 23:10	0.8	91	21	2.1	0.00	22.9	37
20/08/2022 23:20	0.9	59	16	2.0	0.00	22.6	38
20/08/2022 23:30	1.3	40	7	1.7	0.00	22.3	39
20/08/2022 23:40	0.8	30	7	1.3	0.00	22.3	39
20/08/2022 23:50	0.0	32	2	0.0	0.00	22.7	37
21/08/2022 00:00	0.0	28	2	0.0	0.00	22.8	37



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/08/2022 00:10	0.0	49	3	0.1	0.00	22.6	38
21/08/2022 00:20	0.0	35	2	0.0	0.00	22.4	38
21/08/2022 00:30	0.0	34	3	0.0	0.00	22.2	38
21/08/2022 00:40	0.3	138	19	1.8	0.00	22.2	37
21/08/2022 00:50	0.3	157	7	1.3	0.00	22.7	34
21/08/2022 01:00	0.0	142	3	0.0	0.00	22.6	34
21/08/2022 01:10	0.0	73	6	0.0	0.00	22.4	33
21/08/2022 01:20	0.0	21	1	0.0	0.00	22.4	34
21/08/2022 01:30	0.0	24	0	0.1	0.00	22.0	35
21/08/2022 01:40	0.0	24	0	0.0	0.00	21.3	37
21/08/2022 01:50	0.5	33	2	0.9	0.00	21.3	37
21/08/2022 02:00	1.1	43	16	2.0	0.00	21.7	36
21/08/2022 02:10	1.6	89	20	2.6	0.00	21.2	37
21/08/2022 02:20	2.2	101	21	3.4	0.00	20.8	39
21/08/2022 02:30	1.5	76	23	2.4	0.00	20.1	43
21/08/2022 02:40	1.3	94	17	2.7	0.00	20.0	44
21/08/2022 02:50	0.5	58	10	1.2	0.00	19.8	45
21/08/2022 03:00	0.7	61	13	1.7	0.00	19.4	48
21/08/2022 03:10	1.5	83	23	2.4	0.00	19.9	47
21/08/2022 03:20	0.8	78	22	1.8	0.00	20.3	47
21/08/2022 03:30	0.6	80	21	1.7	0.00	20.6	47
21/08/2022 03:40	0.7	91	14	2.0	0.00	20.5	46
21/08/2022 03:50	0.0	101	7	0.6	0.00	20.5	46
21/08/2022 04:00	1.6	106	14	3.0	0.00	20.4	45
21/08/2022 04:10	1.7	105	16	2.5	0.00	20.4	44
21/08/2022 04:20	1.4	106	18	2.7	0.00	20.4	43
21/08/2022 04:30	1.5	101	21	2.5	0.00	20.5	41
21/08/2022 04:40	1.9	109	14	2.6	0.00	20.9	39
21/08/2022 04:50	2.2	112	13	3.3	0.00	21.1	37
21/08/2022 05:00	2.0	110	17	3.8	0.00	21.0	37
21/08/2022 05:10	1.9	109	14	2.9	0.00	21.0	36
21/08/2022 05:20	2.4	109	13	3.3	0.00	21.3	34
21/08/2022 05:30	2.0	114	17	2.9	0.00	21.2	33
21/08/2022 05:40	2.4	115	10	3.2	0.00	21.4	32
21/08/2022 05:50	2.6	115	11	3.3	0.00	21.4	32
21/08/2022 06:00	2.8	113	12	3.6	0.00	21.0	34
21/08/2022 06:10	2.4	109	12	3.3	0.00	20.6	36
21/08/2022 06:20	0.9	94	22	3.0	0.00	19.7	39
21/08/2022 06:30	1.6	101	18	3.5	0.00	19.8	39
21/08/2022 06:40	2.1	106	18	3.6	0.00	19.9	41
21/08/2022 06:50	1.4	94	16	2.5	0.00	19.9	41
21/08/2022 07:00	0.7	84	18	1.9	0.00	20.1	41
21/08/2022 07:10	0.8	91	15	2.1	0.00	20.7	40
21/08/2022 07:20	0.8	95	13	2.1	0.00	21.3	40
21/08/2022 07:30	1.2	85	19	2.3	0.00	22.0	40
21/08/2022 07:40	1.8	83	17	2.7	0.00	22.4	39
21/08/2022 07:50	2.8	90	18	4.9	0.00	22.9	35
21/08/2022 08:00	3.1	101	17	5.0	0.00	23.2	32



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/08/2022 08:10	3.0	96	16	4.3	0.00	23.4	32
21/08/2022 08:20	3.0	91	10	4.5	0.00	23.6	33
21/08/2022 08:30	4.6	81	8	5.6	0.00	23.5	33
21/08/2022 08:40	4.3	77	8	5.4	0.00	24.1	33
21/08/2022 08:50	3.8	72	12	5.0	0.00	24.4	35
21/08/2022 09:00	4.1	82	12	5.7	0.00	24.9	34
21/08/2022 09:10	3.9	82	12	5.6	0.00	24.8	33
21/08/2022 09:20	4.0	81	12	5.5	0.00	24.9	32
21/08/2022 09:30	4.0	84	14	6.0	0.00	24.7	33
21/08/2022 09:40	4.6	89	11	6.7	0.00	24.6	34
21/08/2022 09:50	4.8	82	13	6.6	0.00	24.4	36
21/08/2022 10:00	5.0	71	9	6.7	0.00	24.3	37
21/08/2022 10:10	5.1	70	10	6.6	0.00	24.3	39
21/08/2022 10:20	5.3	71	10	7.4	0.00	24.5	38
21/08/2022 10:30	5.8	66	11	8.6	0.00	24.7	39
21/08/2022 10:40	5.8	76	12	7.8	0.00	25.0	39
21/08/2022 10:50	6.3	73	12	8.5	0.00	25.0	41
21/08/2022 11:00	6.5	76	12	9.1	0.00	25.4	39
21/08/2022 11:10	6.1	72	12	7.9	0.00	25.6	39
21/08/2022 11:20	5.9	60	11	8.0	0.00	25.6	38
21/08/2022 11:30	6.3	80	10	8.3	0.00	25.6	38
21/08/2022 11:40	5.9	82	11	7.6	0.00	25.5	40
21/08/2022 11:50	6.0	84	8	7.6	0.00	25.4	41
21/08/2022 12:00	6.0	81	11	7.3	0.00	25.4	40
21/08/2022 12:10	5.0	78	13	7.6	0.00	25.9	40
21/08/2022 12:20	6.6	77	11	8.3	0.00	25.9	37
21/08/2022 12:30	6.0	76	11	7.8	0.00	26.1	38
21/08/2022 12:40	5.9	66	13	7.9	0.00	26.5	37
21/08/2022 12:50	6.4	62	11	8.1	0.00	26.3	38
21/08/2022 13:00	6.3	60	12	8.8	0.00	26.2	39
21/08/2022 13:10	6.4	59	11	8.5	0.00	26.6	38
21/08/2022 13:20	7.4	56	10	9.5	0.00	26.6	37
21/08/2022 13:30	7.7	59	10	11.0	0.00	26.6	36
21/08/2022 13:40	7.7	62	10	10.7	0.00	26.6	37
21/08/2022 13:50	7.0	65	12	8.8	0.00	26.6	36
21/08/2022 14:00	7.4	58	9	9.9	0.00	26.7	33
21/08/2022 14:10	7.6	54	9	9.3	0.00	26.8	31
21/08/2022 14:20	7.5	57	11	9.6	0.00	26.9	31
21/08/2022 14:30	6.9	54	11	10.0	0.00	26.9	33
21/08/2022 14:40	6.6	52	10	9.1	0.00	26.9	35
21/08/2022 14:50	7.1	55	11	10.3	0.00	27.1	32
21/08/2022 15:00	7.2	57	11	9.5	0.00	27.1	32
21/08/2022 15:10	6.8	51	9	8.7	0.00	27.1	33
21/08/2022 15:20	6.5	48	9	8.4	0.00	27.2	33
21/08/2022 15:30	6.6	52	10	8.6	0.00	27.2	32
21/08/2022 15:40	6.1	56	9	8.2	0.00	27.3	32
21/08/2022 15:50	6.4	52	9	8.6	0.00	27.2	31
21/08/2022 16:00	6.8	53	10	8.7	0.00	27.1	30





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/08/2022 16:10	7.2	52	9	9.3	0.00	27.1	30
21/08/2022 16:20	7.3	53	7	9.3	0.00	27.0	29
21/08/2022 16:30	6.9	54	8	8.8	0.00	27.1	30
21/08/2022 16:40	7.1	55	7	9.1	0.00	27.2	28
21/08/2022 16:50	6.4	56	7	8.4	0.00	27.4	28
21/08/2022 17:00	5.6	56	8	7.4	0.00	27.5	28
21/08/2022 17:10	4.3	59	8	5.8	0.00	27.6	30
21/08/2022 17:20	4.4	56	10	5.9	0.00	27.7	29
21/08/2022 17:30	3.6	56	9	4.8	0.00	27.2	33
21/08/2022 17:40	2.9	57	8	3.7	0.00	26.9	34
21/08/2022 17:50	2.6	54	7	3.3	0.00	26.3	35
21/08/2022 18:00	2.4	52	6	3.0	0.00	25.6	37
21/08/2022 18:10	2.6	45	4	3.0	0.00	24.6	42
21/08/2022 18:20	3.0	45	3	3.4	0.00	24.2	44
21/08/2022 18:30	2.9	47	3	3.1	0.00	23.8	47
21/08/2022 18:40	2.8	46	4	3.1	0.00	23.6	49
21/08/2022 18:50	2.6	45	5	3.0	0.00	23.5	49
21/08/2022 19:00	1.8	62	4	2.1	0.00	23.8	47
21/08/2022 19:10	2.0	52	6	2.4	0.00	24.4	40
21/08/2022 19:20	1.6	45	5	1.9	0.00	24.5	35
21/08/2022 19:30	1.3	49	8	1.8	0.00	24.6	32
21/08/2022 19:40	1.4	49	5	1.8	0.00	24.8	29
21/08/2022 19:50	2.2	43	3	2.6	0.00	25.0	28
21/08/2022 20:00	1.2	52	6	2.0	0.00	25.0	28
21/08/2022 20:10	0.0	237	5	1.0	0.00	24.0	31
21/08/2022 20:20	1.7	271	8	2.1	0.00	23.9	37
21/08/2022 20:30	2.4	264	6	3.1	0.00	23.1	46
21/08/2022 20:40	2.1	277	4	2.3	0.00	22.9	54
21/08/2022 20:50	2.4	267	2	2.7	0.00	22.5	55
21/08/2022 21:00	1.1	280	6	2.1	0.00	22.4	54
21/08/2022 21:10	0.4	273	3	0.7	0.00	22.3	54
21/08/2022 21:20	0.0	164	0	0.0	0.00	21.4	50
21/08/2022 21:30	0.0	67	3	0.1	0.00	21.0	49
21/08/2022 21:40	0.1	56	2	1.1	0.00	21.0	47
21/08/2022 21:50	2.5	52	3	2.9	0.00	21.2	49
21/08/2022 22:00	1.0	50	1	1.9	0.00	21.3	50
21/08/2022 22:10	0.0	54	0	0.1	0.00	20.8	54
21/08/2022 22:20	0.0	48	0	0.0	0.00	21.1	52
21/08/2022 22:30	0.1	53	8	1.0	0.00	21.3	55
21/08/2022 22:40	0.0	109	0	0.0	0.00	20.8	61
21/08/2022 22:50	0.0	171	14	0.0	0.00	20.7	65
21/08/2022 23:00	0.0	142	5	0.0	0.00	20.6	69
21/08/2022 23:10	0.1	31	4	1.4	0.00	20.4	71
21/08/2022 23:20	0.0	165	11	0.1	0.00	20.2	72
21/08/2022 23:30	0.0	171	0	0.1	0.00	20.5	72
21/08/2022 23:40	0.0	171	0	0.1	0.00	20.4	72
21/08/2022 23:50	0.0	247	11	1.4	0.00	20.8	72
22/08/2022 00:00	2.5	260	8	3.2	0.00	18.8	73



## Yara Pilbara Nitrates- Western Boundary 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/08/2022 00:10	0.2	278	2	0.9	0.00	19.8	74
22/08/2022 00:20	0.6	270	4	1.4	0.00	19.7	68
22/08/2022 00:30	0.5	273	6	1.3	0.00	19.5	62
22/08/2022 00:40	0.0	280	3	0.2	0.00	19.5	62
22/08/2022 00:50	0.0	301	0	0.1	0.00	19.8	58
22/08/2022 01:00	0.0	302	0	0.1	0.00	20.2	56
22/08/2022 01:10	0.0	293	1	0.1	0.00	20.2	54
22/08/2022 01:20	0.0	228	4	0.1	0.00	21.2	46
22/08/2022 01:30	0.0	193	6	0.1	0.00	21.3	44
22/08/2022 01:40	0.0	122	0	0.0	0.00	21.2	42
22/08/2022 01:50	1.1	167	3	2.1	0.00	21.6	40
22/08/2022 02:00	0.6	145	10	1.4	0.00	21.8	39
22/08/2022 02:10	1.0	162	9	2.2	0.00	22.2	37
22/08/2022 02:20	0.2	176	0	0.9	0.00	21.7	38
22/08/2022 02:30	0.1	168	23	1.0	0.00	21.2	38
22/08/2022 02:40	0.3	21	2	0.9	0.00	20.8	39
22/08/2022 02:50	0.0	44	0	0.1	0.00	21.4	38
22/08/2022 03:00	0.0	46	0	0.1	0.00	20.4	40
22/08/2022 03:10	0.0	44	1	0.1	0.00	21.1	38
22/08/2022 03:20	0.0	45	0	0.0	0.00	20.5	42
22/08/2022 03:30	0.0	46	0	0.0	0.00	19.2	45
22/08/2022 03:40	0.0	62	7	0.0	0.00	19.4	44
22/08/2022 03:50	0.0	124	2	0.0	0.00	20.1	39
22/08/2022 04:00	0.3	145	22	1.4	0.00	20.0	39
22/08/2022 04:10	1.7	159	18	2.9	0.00	21.0	35
22/08/2022 04:20	1.2	141	15	2.4	0.00	21.2	34
22/08/2022 04:30	0.1	135	6	0.9	0.00	20.2	37
22/08/2022 04:40	0.0	85	1	0.0	0.00	19.5	39
22/08/2022 04:50	0.3	117	9	1.7	0.00	19.6	38
22/08/2022 05:00	0.2	192	7	1.0	0.00	19.8	38
22/08/2022 05:10	0.0	213	5	0.0	0.00	20.4	36
22/08/2022 05:20	0.0	270	0	0.0	0.00	20.6	37
22/08/2022 05:30	0.0	269	0	0.0	0.00	19.4	41
22/08/2022 05:40	0.0	270	0	0.1	0.00	19.6	40
22/08/2022 05:50	0.0	350	1	0.0	0.00	20.5	37
22/08/2022 06:00	0.0	341	0	0.1	0.00	20.6	37
22/08/2022 06:10	0.0	301	6	0.2	0.00	20.5	38
22/08/2022 06:20	1.4	267	6	2.1	0.00	20.6	38
22/08/2022 06:30	0.7	260	3	1.0	0.00	18.9	42
22/08/2022 06:40	0.0	256	0	0.0	0.00	19.1	41
22/08/2022 06:50	0.1	35	1	0.9	0.00	19.2	40
22/08/2022 07:00	0.9	39	5	2.0	0.00	18.6	43
22/08/2022 07:10	2.1	43	5	2.5	0.00	19.4	42
22/08/2022 07:20	2.1	59	5	2.6	0.00	20.2	41
22/08/2022 07:30	1.4	46	11	2.2	0.00	20.2	45
22/08/2022 07:40	0.7	60	9	1.8	0.00	20.6	45
22/08/2022 07:50	1.7	125	13	2.8	0.00	21.7	38
22/08/2022 08:00	2.0	122	7	2.6	0.00	22.5	36



## Yara Pilbara Nitrates- Western Boundary 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/08/2022 08:10	2.3	120	8	3.0	0.00	22.9	36
22/08/2022 08:20	1.3	105	17	2.6	0.00	22.7	40
22/08/2022 08:30	1.5	96	14	2.4	0.00	23.0	43
22/08/2022 08:40	0.8	102	9	1.7	0.00	23.3	44
22/08/2022 08:50	2.0	106	12	2.8	0.00	23.3	45
22/08/2022 09:00	2.0	114	11	3.0	0.00	23.5	42
22/08/2022 09:10	2.3	113	13	3.4	0.00	23.9	39
22/08/2022 09:20	2.0	125	17	3.3	0.00	24.0	37
22/08/2022 09:30	2.3	123	13	3.3	0.00	24.1	34
22/08/2022 09:40	2.5	115	12	3.7	0.00	24.4	32
22/08/2022 09:50	2.2	117	18	3.3	0.00	24.7	32
22/08/2022 10:00	2.5	109	15	3.9	0.00	25.0	32
22/08/2022 10:10	2.5	102	15	3.6	0.00	24.9	35
22/08/2022 10:20	2.9	92	16	3.9	0.00	25.2	34
22/08/2022 10:30	2.9	84	15	3.8	0.00	25.7	31
22/08/2022 10:40	3.4	79	10	4.5	0.00	25.9	30
22/08/2022 10:50	3.7	68	12	4.9	0.00	26.5	29
22/08/2022 11:00	3.3	55	13	5.1	0.00	27.1	29
22/08/2022 11:10	4.2	76	13	6.0	0.00	27.5	27
22/08/2022 11:20	5.2	79	9	6.7	0.00	27.5	25
22/08/2022 11:30	5.4	76	9	7.0	0.00	27.4	27
22/08/2022 11:40	5.4	78	10	7.1	0.00	27.6	27
22/08/2022 11:50	5.8	72	10	7.5	0.00	27.5	27
22/08/2022 12:00	5.7	75	9	7.4	0.00	27.4	26
22/08/2022 12:10	5.7	72	11	8.0	0.00	27.9	26
22/08/2022 12:20	6.1	74	10	7.9	0.00	27.8	27
22/08/2022 12:30	5.2	76	10	7.7	0.00	28.3	27
22/08/2022 12:40	5.6	76	11	7.6	0.00	28.5	25
22/08/2022 12:50	6.1	78	11	7.9	0.00	28.3	24
22/08/2022 13:00	5.9	75	10	7.8	0.00	28.7	23
22/08/2022 13:10	5.7	74	10	7.6	0.00	28.7	23
22/08/2022 13:20	6.2	73	8	7.5	0.00	28.6	22
22/08/2022 13:30	5.9	78	9	7.2	0.00	28.8	22
22/08/2022 13:40	6.0	79	8	7.2	0.00	28.6	23
22/08/2022 13:50	5.8	79	8	7.2	0.00	28.7	24
22/08/2022 14:00	5.7	79	9	7.2	0.00	28.5	24
22/08/2022 14:10	5.6	79	8	7.0	0.00	28.6	23
22/08/2022 14:20	5.0	68	12	6.7	0.00	29.0	21
22/08/2022 14:30	5.5	62	14	7.3	0.00	28.8	21
22/08/2022 14:40	5.6	53	10	7.4	0.00	29.2	20
22/08/2022 14:50	6.5	50	10	8.6	0.00	28.9	20
22/08/2022 15:00	6.5	49	10	8.4	0.00	28.9	19
22/08/2022 15:10	6.7	54	9	8.5	0.00	29.0	18
22/08/2022 15:20	6.6	52	9	8.8	0.00	29.0	17
22/08/2022 15:30	6.2	53	10	8.5	0.00	29.2	17
22/08/2022 15:40	6.3	54	9	7.9	0.00	29.1	17
22/08/2022 15:50	5.8	53	9	7.7	0.00	29.4	17
22/08/2022 16:00	5.2	55	10	7.4	0.00	29.6	18



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/08/2022 16:10	5.1	54	8	6.4	0.00	29.4	20
22/08/2022 16:20	4.9	55	9	6.3	0.00	29.4	21
22/08/2022 16:30	4.5	56	9	5.9	0.00	29.4	21
22/08/2022 16:40	3.9	60	8	5.3	0.00	29.2	23
22/08/2022 16:50	4.3	59	8	5.5	0.00	28.8	24
22/08/2022 17:00	3.3	52	8	4.0	0.00	28.9	25
22/08/2022 17:10	3.0	46	16	4.7	0.00	29.1	23
22/08/2022 17:20	2.3	26	11	3.5	0.00	29.1	21
22/08/2022 17:30	2.4	22	14	3.2	0.00	28.6	23
22/08/2022 17:40	2.1	33	10	3.3	0.00	28.3	23
22/08/2022 17:50	2.4	36	7	3.6	0.00	27.7	23
22/08/2022 18:00	1.3	28	10	2.0	0.00	26.7	26
22/08/2022 18:10	2.5	7	10	3.7	0.00	26.3	33
22/08/2022 18:20	2.3	17	12	3.5	0.00	25.9	35
22/08/2022 18:30	1.7	41	14	2.4	0.00	25.5	36
22/08/2022 18:40	2.0	68	6	2.4	0.00	25.4	36
22/08/2022 18:50	2.0	64	7	2.8	0.00	25.1	36
22/08/2022 19:00	2.4	64	7	3.0	0.00	25.1	35
22/08/2022 19:10	1.9	63	6	2.4	0.00	24.6	35
22/08/2022 19:20	2.6	54	8	3.3	0.00	25.3	32
22/08/2022 19:30	2.5	46	6	3.3	0.00	25.2	31
22/08/2022 19:40	2.0	50	6	2.6	0.00	24.7	32
22/08/2022 19:50	1.7	54	4	2.2	0.00	24.1	33
22/08/2022 20:00	1.0	77	6	1.9	0.00	23.5	34
22/08/2022 20:10	0.0	75	1	0.0	0.00	23.2	34
22/08/2022 20:20	0.0	57	0	0.0	0.00	23.5	32
22/08/2022 20:30	0.0	55	0	0.0	0.00	23.2	32
22/08/2022 20:40	0.0	55	0	0.0	0.00	23.2	32
22/08/2022 20:50	0.0	56	0	0.0	0.00	23.2	31
22/08/2022 21:00	0.0	55	0	0.0	0.00	24.0	29
22/08/2022 21:10	0.0	274	0	0.0	0.00	24.0	29
22/08/2022 21:20	0.0	279	0	0.0	0.00	23.8	30
22/08/2022 21:30	0.0	208	11	0.0	0.00	23.0	31
22/08/2022 21:40	0.0	63	0	0.0	0.00	22.1	33
22/08/2022 21:50	0.0	60	1	0.0	0.00	22.2	35
22/08/2022 22:00	0.0	87	0	0.0	0.00	22.3	48
22/08/2022 22:10	0.0	20	0	0.0	0.00	22.3	53
22/08/2022 22:20	0.0	22	0	0.0	0.00	22.3	62
22/08/2022 22:30	0.0	15	0	0.0	0.00	21.6	63
22/08/2022 22:40	0.0	8	0	0.0	0.00	21.0	66
22/08/2022 22:50	0.0	8	0	0.0	0.00	21.4	66
22/08/2022 23:00	0.0	11	0	0.0	0.00	21.2	64
22/08/2022 23:10	0.0	12	0	0.0	0.00	20.7	63
22/08/2022 23:20	0.0	12	0	0.0	0.00	19.7	62
22/08/2022 23:30	0.0	12	0	0.0	0.00	19.1	65
22/08/2022 23:40	0.0	12	0	0.0	0.00	19.8	59
22/08/2022 23:50	0.0	12	0	0.0	0.00	19.9	60
23/08/2022 00:00	0.0	12	0	0.0	0.00	20.3	56



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/08/2022 00:10	0.0	12	0	0.0	0.00	20.9	51
23/08/2022 00:20	0.0	12	0	0.0	0.00	20.6	53
23/08/2022 00:30	0.0	12	0	0.0	0.00	20.9	50
23/08/2022 00:40	1.4	150	11	2.9	0.00	21.2	43
23/08/2022 00:50	0.6	151	8	1.7	0.00	21.9	41
23/08/2022 01:00	0.6	177	11	2.5	0.00	21.7	41
23/08/2022 01:10	1.5	182	8	2.9	0.00	22.0	39
23/08/2022 01:20	0.0	149	13	0.5	0.00	21.5	40
23/08/2022 01:30	0.6	28	11	1.6	0.00	20.9	42
23/08/2022 01:40	0.2	53	2	0.8	0.00	20.5	44
23/08/2022 01:50	0.6	131	17	1.6	0.00	21.3	40
23/08/2022 02:00	1.6	158	21	3.4	0.00	21.9	38
23/08/2022 02:10	1.3	156	14	2.9	0.00	22.2	35
23/08/2022 02:20	0.8	106	37	1.9	0.00	21.6	36
23/08/2022 02:30	1.3	99	26	2.6	0.00	22.1	33
23/08/2022 02:40	0.0	33	4	0.6	0.00	21.1	35
23/08/2022 02:50	0.3	65	8	0.9	0.00	21.1	34
23/08/2022 03:00	0.6	47	10	2.0	0.00	21.6	34
23/08/2022 03:10	0.2	50	0	1.0	0.00	21.2	35
23/08/2022 03:20	0.0	49	1	0.1	0.00	21.0	36
23/08/2022 03:30	0.5	92	9	1.8	0.00	21.0	35
23/08/2022 03:40	0.0	108	14	0.0	0.00	21.2	33
23/08/2022 03:50	0.0	91	0	0.0	0.00	21.0	32
23/08/2022 04:00	0.1	139	12	1.6	0.00	21.5	29
23/08/2022 04:10	0.8	107	16	2.1	0.00	21.3	29
23/08/2022 04:20	1.7	136	17	3.4	0.00	20.8	30
23/08/2022 04:30	1.3	148	21	3.4	0.00	21.3	29
23/08/2022 04:40	2.5	135	22	4.6	0.00	21.6	29
23/08/2022 04:50	2.7	129	23	5.7	0.00	22.2	32
23/08/2022 05:00	4.0	108	13	6.3	0.00	22.0	41
23/08/2022 05:10	5.3	108	10	7.4	0.00	22.3	41
23/08/2022 05:20	4.0	105	13	6.0	0.00	21.8	44
23/08/2022 05:30	5.5	107	13	8.5	0.00	22.0	42
23/08/2022 05:40	5.4	109	13	7.8	0.00	22.0	42
23/08/2022 05:50	6.5	107	11	8.9	0.00	22.3	41
23/08/2022 06:00	6.5	107	11	9.5	0.00	22.5	39
23/08/2022 06:10	6.3	107	12	9.2	0.00	22.5	40
23/08/2022 06:20	7.4	108	12	11.3	0.00	22.8	39
23/08/2022 06:30	6.9	107	12	9.7	0.00	22.8	38
23/08/2022 06:40	6.9	105	13	10.7	0.00	22.7	39
23/08/2022 06:50	6.8	103	13	9.9	0.00	22.7	40
23/08/2022 07:00	6.5	99	14	9.7	0.00	22.6	40
23/08/2022 07:10	7.2	106	14	10.6	0.00	22.6	40
23/08/2022 07:20	8.1	105	15	11.8	0.00	22.7	40
23/08/2022 07:30	7.7	104	14	11.1	0.00	22.8	41
23/08/2022 07:40	7.7	105	13	11.5	0.00	22.8	41
23/08/2022 07:50	7.8	104	14	12.5	0.00	22.8	42
23/08/2022 08:00	7.2	100	12	10.2	0.00	22.8	42



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/08/2022 08:10	7.7	100	14	11.0	0.00	22.9	42
23/08/2022 08:20	7.6	102	14	11.9	0.00	23.1	41
23/08/2022 08:30	7.3	103	14	10.9	0.00	23.2	41
23/08/2022 08:40	7.8	103	13	10.8	0.00	23.3	41
23/08/2022 08:50	7.5	106	13	11.4	0.00	23.4	41
23/08/2022 09:00	7.5	104	13	12.2	0.00	23.8	41
23/08/2022 09:10	7.4	105	12	10.3	0.00	23.9	41
23/08/2022 09:20	8.1	104	12	11.4	0.00	24.0	40
23/08/2022 09:30	7.5	102	16	10.7	0.00	24.3	39
23/08/2022 09:40	7.9	104	12	11.8	0.00	24.4	40
23/08/2022 09:50	6.8	103	12	10.0	0.00	24.9	39
23/08/2022 10:00	6.4	99	13	8.6	0.00	25.2	39
23/08/2022 10:10	7.1	99	14	9.9	0.00	25.3	39
23/08/2022 10:20	6.2	102	15	9.5	0.00	25.6	38
23/08/2022 10:30	6.6	99	14	9.3	0.00	25.6	40
23/08/2022 10:40	7.6	92	13	11.3	0.00	25.7	38
23/08/2022 10:50	8.0	89	10	11.9	0.00	26.1	36
23/08/2022 11:00	7.4	90	9	11.6	0.00	26.1	37
23/08/2022 11:10	7.3	85	9	10.1	0.00	26.2	39
23/08/2022 11:20	7.4	84	10	10.6	0.00	26.2	39
23/08/2022 11:30	7.6	82	9	10.6	0.00	26.2	39
23/08/2022 11:40	8.3	85	10	11.4	0.00	26.1	38
23/08/2022 11:50	8.6	87	7	11.6	0.00	25.9	40
23/08/2022 12:00	7.3	85	9	9.7	0.00	26.6	38
23/08/2022 12:10	7.4	81	11	10.0	0.00	26.7	37
23/08/2022 12:20	7.4	79	9	10.1	0.00	26.6	37
23/08/2022 12:30	7.2	81	9	9.5	0.00	26.7	37
23/08/2022 12:40	7.1	82	9	9.0	0.00	26.8	37
23/08/2022 12:50	6.9	80	10	8.7	0.00	26.9	37
23/08/2022 13:00	6.9	74	10	8.8	0.00	27.1	36
23/08/2022 13:10	7.4	73	12	10.4	0.00	27.1	35
23/08/2022 13:20	8.2	69	8	10.4	0.00	26.9	36
23/08/2022 13:30	7.9	67	8	10.3	0.00	26.8	36
23/08/2022 13:40	8.0	73	10	10.1	0.00	26.9	37
23/08/2022 13:50	7.0	77	10	10.3	0.00	27.2	36
23/08/2022 14:00	6.2	71	12	9.5	0.00	27.5	37
23/08/2022 14:10	6.3	62	13	9.0	0.00	27.6	37
23/08/2022 14:20	6.3	61	11	8.7	0.00	27.3	38
23/08/2022 14:30	6.9	59	11	9.0	0.00	27.4	36
23/08/2022 14:40	6.7	59	8	8.7	0.00	27.5	35
23/08/2022 14:50	6.6	58	10	8.5	0.00	27.5	35
23/08/2022 15:00	6.6	62	9	8.1	0.00	27.5	34
23/08/2022 15:10	6.3	61	11	9.5	0.00	27.9	33
23/08/2022 15:20	6.3	60	11	9.1	0.00	27.6	35
23/08/2022 15:30	6.4	61	9	8.2	0.00	27.8	33
23/08/2022 15:40	6.0	62	10	7.8	0.00	27.8	34
23/08/2022 15:50	6.2	62	11	8.1	0.00	27.6	34
23/08/2022 16:00	6.0	62	10	8.4	0.00	27.7	34



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/08/2022 16:10	6.2	63	10	8.7	0.00	27.8	32
23/08/2022 16:20	5.7	57	10	7.7	0.00	27.7	35
23/08/2022 16:30	5.2	61	11	7.2	0.00	27.6	35
23/08/2022 16:40	4.8	59	11	6.3	0.00	27.5	37
23/08/2022 16:50	5.3	65	12	7.4	0.00	27.8	34
23/08/2022 17:00	4.9	62	12	7.7	0.00	27.5	36
23/08/2022 17:10	4.7	55	11	6.2	0.00	27.0	39
23/08/2022 17:20	3.9	51	10	5.7	0.00	26.4	44
23/08/2022 17:30	4.2	50	10	5.6	0.00	26.0	45
23/08/2022 17:40	4.6	51	9	6.0	0.00	25.4	47
23/08/2022 17:50	4.3	49	9	5.7	0.00	25.1	48
23/08/2022 18:00	4.0	50	10	5.7	0.00	24.6	50
23/08/2022 18:10	3.9	56	9	5.2	0.00	24.5	49
23/08/2022 18:20	4.1	49	8	5.5	0.00	24.0	53
23/08/2022 18:30	4.0	50	7	5.1	0.00	23.7	54
23/08/2022 18:40	3.9	46	7	5.4	0.00	23.6	56
23/08/2022 18:50	3.0	56	7	4.1	0.00	23.4	58
23/08/2022 19:00	3.0	61	7	3.8	0.00	23.3	59
23/08/2022 19:10	2.8	65	8	3.9	0.00	23.5	57
23/08/2022 19:20	2.6	64	11	3.8	0.00	23.2	59
23/08/2022 19:30	2.5	62	8	3.3	0.00	23.3	60
23/08/2022 19:40	2.3	63	8	3.0	0.00	22.8	63
23/08/2022 19:50	2.4	63	7	3.2	0.00	22.8	62
23/08/2022 20:00	1.8	65	7	2.4	0.00	22.5	64
23/08/2022 20:10	2.2	62	6	2.7	0.00	22.1	66
23/08/2022 20:20	2.3	59	7	3.1	0.00	22.0	65
23/08/2022 20:30	2.8	58	6	3.4	0.00	22.2	63
23/08/2022 20:40	3.2	67	5	3.7	0.00	22.3	60
23/08/2022 20:50	3.6	67	7	4.9	0.00	22.7	52
23/08/2022 21:00	4.2	64	8	5.3	0.00	23.1	48
23/08/2022 21:10	4.5	75	7	6.0	0.00	23.5	42
23/08/2022 21:20	4.8	85	9	7.0	0.00	24.1	37
23/08/2022 21:30	5.8	84	8	7.5	0.00	24.3	37
23/08/2022 21:40	5.3	84	9	7.3	0.00	24.2	39
23/08/2022 21:50	5.4	86	9	7.2	0.00	24.2	39
23/08/2022 22:00	5.0	92	11	6.8	0.00	24.2	39
23/08/2022 22:10	4.3	99	14	6.4	0.00	24.1	41
23/08/2022 22:20	4.4	96	13	6.4	0.00	24.0	39
23/08/2022 22:30	4.4	102	13	6.9	0.00	24.0	39
23/08/2022 22:40	4.4	104	15	7.0	0.00	23.9	39
23/08/2022 22:50	5.2	104	15	7.9	0.00	24.0	38
23/08/2022 23:00	6.0	102	14	8.5	0.00	24.0	37
23/08/2022 23:10	6.1	102	15	10.2	0.00	23.9	37
23/08/2022 23:20	6.0	106	14	8.5	0.00	23.6	37
23/08/2022 23:30	6.7	110	11	9.2	0.00	23.3	37
23/08/2022 23:40	6.4	107	11	8.7	0.00	23.1	37
23/08/2022 23:50	7.3	108	10	10.3	0.00	22.9	35
24/08/2022 00:00	7.2	109	10	9.5	0.00	22.6	36



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/08/2022 00:10	7.6	109	11	10.1	0.00	22.6	35
24/08/2022 00:20	6.8	108	12	9.6	0.00	22.5	35
24/08/2022 00:30	7.1	107	12	9.8	0.00	22.4	35
24/08/2022 00:40	6.4	104	13	9.4	0.00	22.3	36
24/08/2022 00:50	6.8	105	13	10.4	0.00	22.2	36
24/08/2022 01:00	7.1	105	13	10.6	0.00	22.2	35
24/08/2022 01:10	7.6	108	12	10.5	0.00	22.0	36
24/08/2022 01:20	7.7	106	11	11.1	0.00	21.8	36
24/08/2022 01:30	8.2	107	10	11.2	0.00	21.7	36
24/08/2022 01:40	8.3	108	12	11.6	0.00	21.6	35
24/08/2022 01:50	6.4	105	15	9.0	0.00	21.4	35
24/08/2022 02:00	7.6	108	11	11.0	0.00	21.2	34
24/08/2022 02:10	7.0	107	12	10.2	0.00	21.0	35
24/08/2022 02:20	7.4	106	13	11.4	0.00	20.8	34
24/08/2022 02:30	7.9	108	12	11.3	0.00	20.7	33
24/08/2022 02:40	7.0	105	13	11.0	0.00	20.6	33
24/08/2022 02:50	7.1	102	15	10.3	0.00	20.5	34
24/08/2022 03:00	6.8	98	14	10.3	0.00	20.3	33
24/08/2022 03:10	6.7	100	14	10.0	0.00	20.2	33
24/08/2022 03:20	7.0	103	14	10.7	0.00	20.1	33
24/08/2022 03:30	7.4	104	13	10.2	0.00	20.0	33
24/08/2022 03:40	7.3	104	13	10.4	0.00	19.9	32
24/08/2022 03:50	6.9	104	12	10.1	0.00	19.8	34
24/08/2022 04:00	8.1	105	15	11.7	0.00	19.7	32
24/08/2022 04:10	7.6	107	12	11.5	0.00	19.6	33
24/08/2022 04:20	8.2	107	13	11.4	0.00	19.5	32
24/08/2022 04:30	7.8	106	12	10.8	0.00	19.5	33
24/08/2022 04:40	7.7	106	13	10.9	0.00	19.4	33
24/08/2022 04:50	8.0	105	13	11.1	0.00	19.3	32
24/08/2022 05:00	7.1	101	13	11.7	0.00	19.2	33
24/08/2022 05:10	7.1	104	12	10.9	0.00	19.1	34
24/08/2022 05:20	7.5	108	11	10.6	0.00	19.0	34
24/08/2022 05:30	7.2	108	13	10.2	0.00	19.0	32
24/08/2022 05:40	7.7	109	12	11.2	0.00	18.8	32
24/08/2022 05:50	8.4	108	11	11.0	0.00	18.9	32
24/08/2022 06:00	6.9	107	12	10.3	0.00	18.8	33
24/08/2022 06:10	7.3	104	13	10.7	0.00	18.8	33
24/08/2022 06:20	8.0	106	12	11.8	0.00	18.7	32
24/08/2022 06:30	6.5	100	13	9.5	0.00	18.7	33
24/08/2022 06:40	7.1	102	14	9.9	0.00	18.6	33
24/08/2022 06:50	6.6	105	14	9.8	0.00	18.7	34
24/08/2022 07:00	7.2	106	13	10.4	0.00	18.7	33
24/08/2022 07:10	6.9	105	14	10.6	0.00	18.8	33
24/08/2022 07:20	6.2	95	13	8.5	0.00	18.8	33
24/08/2022 07:30	6.4	97	14	9.1	0.00	18.9	33
24/08/2022 07:40	6.2	98	15	9.1	0.00	19.0	32
24/08/2022 07:50	6.9	103	14	10.1	0.00	19.0	32
24/08/2022 08:00	6.2	105	13	10.1	0.00	19.2	33





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/08/2022 08:10	8.2	108	12	11.5	0.00	19.1	30
24/08/2022 08:20	6.8	102	15	9.5	0.00	19.5	31
24/08/2022 08:30	6.6	105	14	9.8	0.00	19.6	31
24/08/2022 08:40	6.9	103	15	10.3	0.00	19.7	30
24/08/2022 08:50	6.7	104	13	9.4	0.00	20.0	29
24/08/2022 09:00	6.7	97	13	9.6	0.00	20.4	30
24/08/2022 09:10	6.6	98	16	9.9	0.00	20.7	29
24/08/2022 09:20	8.2	88	10	10.9	0.00	20.6	27
24/08/2022 09:30	7.8	87	9	10.9	0.00	20.7	28
24/08/2022 09:40	8.5	88	10	11.2	0.00	20.8	27
24/08/2022 09:50	8.1	87	9	10.5	0.00	20.9	26
24/08/2022 10:00	7.8	90	9	10.4	0.00	21.1	27
24/08/2022 10:10	7.3	89	10	10.0	0.00	21.4	28
24/08/2022 10:20	7.5	83	10	10.2	0.00	21.9	27
24/08/2022 10:30	8.7	88	9	11.4	0.00	21.8	27
24/08/2022 10:40	7.5	84	10	10.1	0.00	22.2	26
24/08/2022 10:50	8.4	83	8	11.1	0.00	22.1	26
24/08/2022 11:00	8.7	81	8	11.3	0.00	22.3	25
24/08/2022 11:10	8.6	83	9	11.2	0.00	22.3	27
24/08/2022 11:20	8.8	84	9	11.3	0.00	22.5	27
24/08/2022 11:30	9.1	88	10	11.5	0.00	22.4	29
24/08/2022 11:40	9.3	88	9	11.8	0.00	22.4	30
24/08/2022 11:50	7.8	86	8	11.0	0.00	23.0	30
24/08/2022 12:00	8.5	85	10	11.1	0.00	22.9	30
24/08/2022 12:10	8.5	84	9	11.7	0.00	23.0	31
24/08/2022 12:20	8.3	84	9	11.2	0.00	23.2	28
24/08/2022 12:30	9.0	85	8	11.6	0.00	23.0	30
24/08/2022 12:40	8.8	83	8	11.1	0.00	23.1	30
24/08/2022 12:50	8.1	84	9	11.0	0.00	23.2	31
24/08/2022 13:00	7.7	82	10	10.7	0.00	23.4	31
24/08/2022 13:10	7.5	80	10	10.2	0.00	23.6	31
24/08/2022 13:20	7.5	75	11	9.9	0.00	23.7	31
24/08/2022 13:30	6.4	73	10	8.7	0.00	24.1	30
24/08/2022 13:40	7.2	68	7	9.1	0.00	23.6	32
24/08/2022 13:50	6.8	69	9	9.0	0.00	23.9	31
24/08/2022 14:00	7.3	67	7	9.0	0.00	23.7	32
24/08/2022 14:10	7.3	68	8	8.8	0.00	23.6	31
24/08/2022 14:20	6.8	66	8	8.5	0.00	23.8	32
24/08/2022 14:30	7.0	68	8	8.6	0.00	23.8	30
24/08/2022 14:40	6.6	71	11	8.5	0.00	24.3	28
24/08/2022 14:50	6.4	78	8	8.4	0.00	24.6	27
24/08/2022 15:00	6.0	77	9	8.1	0.00	24.8	26
24/08/2022 15:10	5.1	70	11	6.7	0.00	25.1	28
24/08/2022 15:20	5.2	56	9	7.1	0.00	25.1	29
24/08/2022 15:30	4.9	63	13	6.8	0.00	25.2	28
24/08/2022 15:40	5.0	58	11	7.2	0.00	25.2	27
24/08/2022 15:50	4.7	68	14	6.7	0.00	25.5	25
24/08/2022 16:00	5.0	67	12	6.9	0.00	25.8	25



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/08/2022 16:10	4.8	69	11	6.3	0.00	25.8	24
24/08/2022 16:20	4.7	71	11	6.6	0.00	25.8	23
24/08/2022 16:30	4.2	72	10	5.3	0.00	25.9	24
24/08/2022 16:40	5.0	75	9	7.0	0.00	25.8	22
24/08/2022 16:50	4.4	70	10	5.6	0.00	25.8	21
24/08/2022 17:00	3.9	64	10	5.4	0.00	26.1	21
24/08/2022 17:10	4.5	55	9	5.8	0.00	25.5	23
24/08/2022 17:20	3.4	52	8	4.6	0.00	25.3	25
24/08/2022 17:30	3.4	48	8	4.4	0.00	25.0	28
24/08/2022 17:40	3.6	45	7	4.6	0.00	24.4	32
24/08/2022 17:50	3.5	42	6	4.3	0.00	23.8	31
24/08/2022 18:00	3.2	41	7	4.2	0.00	23.2	30
24/08/2022 18:10	3.2	40	5	3.7	0.00	22.7	29
24/08/2022 18:20	3.0	38	6	3.6	0.00	22.3	29
24/08/2022 18:30	2.9	39	5	3.4	0.00	22.2	28
24/08/2022 18:40	2.4	37	6	2.9	0.00	22.2	27
24/08/2022 18:50	2.5	40	5	3.0	0.00	22.0	27
24/08/2022 19:00	2.9	38	3	3.3	0.00	21.8	27
24/08/2022 19:10	2.8	36	4	3.0	0.00	21.9	26
24/08/2022 19:20	2.5	36	5	2.9	0.00	21.9	26
24/08/2022 19:30	1.8	34	5	2.4	0.00	21.8	26
24/08/2022 19:40	0.7	52	7	1.3	0.00	21.4	26
24/08/2022 19:50	0.6	71	8	1.3	0.00	22.1	26
24/08/2022 20:00	0.0	69	2	0.0	0.00	22.2	27
24/08/2022 20:10	0.0	68	0	0.0	0.00	22.1	30
24/08/2022 20:20	0.0	68	0	0.0	0.00	21.5	31
24/08/2022 20:30	0.0	68	0	0.0	0.00	21.2	31
24/08/2022 20:40	0.0	68	0	0.0	0.00	21.4	30
24/08/2022 20:50	0.0	68	0	0.0	0.00	21.8	27
24/08/2022 21:00	0.0	68	0	0.1	0.00	21.5	28
24/08/2022 21:10	1.0	68	0	1.5	0.00	21.2	30
24/08/2022 21:20	0.0	68	0	0.0	0.00	20.7	31
24/08/2022 21:30	1.0	66	3	1.5	0.00	20.8	31
24/08/2022 21:40	0.9	57	0	1.1	0.00	20.6	32
24/08/2022 21:50	0.4	57	0	0.6	0.00	20.0	37
24/08/2022 22:00	0.0	36	5	0.0	0.00	19.8	42
24/08/2022 22:10	0.0	38	2	0.0	0.00	19.1	48
24/08/2022 22:20	0.0	50	5	0.0	0.00	19.1	51
24/08/2022 22:30	0.0	42	0	0.0	0.00	19.3	55
24/08/2022 22:40	0.0	42	0	0.0	0.00	19.1	60
24/08/2022 22:50	0.2	86	9	1.5	0.00	19.5	66
24/08/2022 23:00	0.1	22	16	0.8	0.00	19.0	66
24/08/2022 23:10	0.0	136	3	0.0	0.00	18.6	68
24/08/2022 23:20	0.9	101	12	2.5	0.00	19.0	71
24/08/2022 23:30	0.4	80	11	1.9	0.00	19.4	72
24/08/2022 23:40	0.4	67	15	1.5	0.00	19.5	74
24/08/2022 23:50	0.2	65	7	1.2	0.00	19.5	76
25/08/2022 00:00	0.6	87	21	2.3	0.00	19.4	77



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/08/2022 00:10	0.2	77	10	1.3	0.00	19.3	77
25/08/2022 00:20	0.4	74	14	2.2	0.00	19.1	78
25/08/2022 00:30	0.4	72	17	1.7	0.00	19.1	78
25/08/2022 00:40	0.0	37	6	0.0	0.00	19.2	77
25/08/2022 00:50	0.0	38	5	0.0	0.00	19.1	73
25/08/2022 01:00	0.3	42	8	1.2	0.00	19.2	67
25/08/2022 01:10	0.6	49	10	1.8	0.00	19.8	59
25/08/2022 01:20	0.0	98	1	0.0	0.00	19.4	58
25/08/2022 01:30	0.0	81	6	0.4	0.00	19.6	53
25/08/2022 01:40	0.1	162	19	0.8	0.00	18.9	47
25/08/2022 01:50	0.0	128	0	0.1	0.00	18.9	43
25/08/2022 02:00	0.2	132	10	1.5	0.00	19.0	40
25/08/2022 02:10	1.0	119	10	2.7	0.00	19.2	38
25/08/2022 02:20	2.3	124	14	3.5	0.00	20.0	34
25/08/2022 02:30	2.3	116	15	3.4	0.00	20.0	34
25/08/2022 02:40	2.4	105	18	3.6	0.00	19.6	36
25/08/2022 02:50	2.1	121	15	3.7	0.00	19.7	35
25/08/2022 03:00	2.0	124	17	3.5	0.00	19.6	35
25/08/2022 03:10	2.1	120	13	3.1	0.00	19.4	38
25/08/2022 03:20	2.1	123	12	2.8	0.00	19.1	40
25/08/2022 03:30	1.8	123	11	2.9	0.00	18.9	42
25/08/2022 03:40	2.3	125	13	3.3	0.00	18.9	44
25/08/2022 03:50	2.5	120	10	3.6	0.00	18.8	47
25/08/2022 04:00	2.3	115	14	3.7	0.00	18.6	48
25/08/2022 04:10	3.5	117	8	4.6	0.00	18.9	44
25/08/2022 04:20	3.5	112	11	5.0	0.00	19.3	40
25/08/2022 04:30	2.7	103	14	4.1	0.00	19.1	39
25/08/2022 04:40	3.3	107	14	4.8	0.00	19.1	37
25/08/2022 04:50	3.4	95	11	4.8	0.00	19.1	35
25/08/2022 05:00	3.4	86	9	4.8	0.00	18.7	37
25/08/2022 05:10	3.2	91	11	4.3	0.00	18.7	36
25/08/2022 05:20	2.6	100	12	3.7	0.00	18.7	37
25/08/2022 05:30	3.3	108	14	4.9	0.00	18.7	38
25/08/2022 05:40	3.6	112	10	4.9	0.00	18.9	37
25/08/2022 05:50	4.3	113	10	5.7	0.00	18.7	37
25/08/2022 06:00	3.5	102	11	5.2	0.00	18.8	35
25/08/2022 06:10	3.0	101	12	4.7	0.00	18.4	38
25/08/2022 06:20	3.3	100	15	4.9	0.00	18.6	37
25/08/2022 06:30	2.9	106	11	4.6	0.00	18.5	38
25/08/2022 06:40	3.5	110	13	4.8	0.00	18.6	38
25/08/2022 06:50	2.9	102	15	4.3	0.00	18.7	39
25/08/2022 07:00	3.1	106	13	4.9	0.00	19.1	37
25/08/2022 07:10	4.3	112	12	6.5	0.00	19.4	36
25/08/2022 07:20	4.7	113	10	6.4	0.00	19.6	34
25/08/2022 07:30	4.5	109	12	6.2	0.00	19.8	33
25/08/2022 07:40	3.8	111	14	5.7	0.00	19.9	34
25/08/2022 07:50	3.5	105	14	5.1	0.00	20.2	33
25/08/2022 08:00	4.4	110	13	6.4	0.00	20.4	33



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/08/2022 08:10	4.7	102	15	6.8	0.00	20.9	32
25/08/2022 08:20	4.6	106	14	7.4	0.00	21.2	31
25/08/2022 08:30	5.4	99	15	7.8	0.00	21.5	31
25/08/2022 08:40	5.4	106	15	8.1	0.00	21.7	29
25/08/2022 08:50	5.5	102	14	8.3	0.00	21.9	30
25/08/2022 09:00	5.4	101	16	8.1	0.00	22.1	28
25/08/2022 09:10	6.0	90	11	8.9	0.00	22.5	28
25/08/2022 09:20	7.3	89	10	10.3	0.00	22.4	27
25/08/2022 09:30	7.4	88	10	9.8	0.00	22.4	27
25/08/2022 09:40	6.6	87	10	9.4	0.00	22.9	27
25/08/2022 09:50	7.1	87	7	9.7	0.00	22.8	28
25/08/2022 10:00	7.3	86	9	9.9	0.00	23.0	28
25/08/2022 10:10	7.6	90	10	10.7	0.00	23.2	29
25/08/2022 10:20	7.8	87	8	10.2	0.00	23.0	28
25/08/2022 10:30	7.1	89	11	9.6	0.00	23.4	29
25/08/2022 10:40	7.4	86	9	9.9	0.00	23.4	31
25/08/2022 10:50	7.6	80	10	10.5	0.00	23.6	30
25/08/2022 11:00	7.6	73	9	10.1	0.00	23.5	29
25/08/2022 11:10	7.5	78	9	9.9	0.00	23.7	29
25/08/2022 11:20	7.6	79	10	10.3	0.00	24.0	28
25/08/2022 11:30	7.3	79	10	11.0	0.00	23.9	29
25/08/2022 11:40	7.9	78	11	10.2	0.00	23.8	30
25/08/2022 11:50	7.2	76	10	10.0	0.00	23.9	30
25/08/2022 12:00	7.6	76	9	10.3	0.00	23.8	29
25/08/2022 12:10	7.7	76	7	10.0	0.00	23.8	30
25/08/2022 12:20	8.0	72	8	10.6	0.00	23.6	30
25/08/2022 12:30	7.5	76	9	10.0	0.00	23.9	31
25/08/2022 12:40	7.5	81	8	9.8	0.00	23.7	31
25/08/2022 12:50	6.5	78	10	8.7	0.00	24.2	31
25/08/2022 13:00	0.9	70	19	3.9	0.00	24.3	30
25/08/2022 13:10	1.0	71	18	2.9	0.00	23.9	32
25/08/2022 13:20	1.2	75	14	2.8	0.00	23.8	31
25/08/2022 13:30	1.3	76	13	3.2	0.00	24.6	31
25/08/2022 13:40	2.1	81	5	4.3	0.00	24.4	32
25/08/2022 13:50	2.2	81	6	4.0	0.00	24.2	33
25/08/2022 14:00	2.3	81	5	4.6	0.00	24.2	31
25/08/2022 14:10	1.9	79	8	3.5	0.00	24.3	31
25/08/2022 14:20	1.5	81	8	2.8	0.00	24.6	30
25/08/2022 14:30	2.1	82	6	4.3	0.00	24.7	29
25/08/2022 14:40	1.8	79	9	3.6	0.00	24.7	29
25/08/2022 14:50	1.9	81	9	3.6	0.00	24.8	30
25/08/2022 15:00	1.4	83	6	4.0	0.10	24.5	31
25/08/2022 15:10	0.0	90	0	0.2	0.00	24.6	30
25/08/2022 15:20	0.0	90	0	0.3	0.00	24.5	29
25/08/2022 15:30	0.0	89	0	0.4	0.00	24.6	29
25/08/2022 15:40	0.0	90	0	0.1	0.00	24.7	26
25/08/2022 15:50	0.0	90	0	0.5	0.00	24.8	25
25/08/2022 16:00	0.0	90	0	0.3	0.00	24.8	26



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/08/2022 16:10	0.0	91	0	0.3	0.00	25.0	25
25/08/2022 16:20	0.0	91	1	0.3	0.00	24.9	24
25/08/2022 16:30	0.0	92	0	0.3	0.00	25.1	25
25/08/2022 16:40	0.0	92	0	0.3	0.00	24.9	25
25/08/2022 16:50	0.0	92	0	0.2	0.00	24.8	29
25/08/2022 17:00	0.0	92	0	0.0	0.00	24.6	31
25/08/2022 17:10	0.0	93	0	0.0	0.00	24.3	32
25/08/2022 17:20	0.0	93	0	0.2	0.00	24.1	34
25/08/2022 17:30	0.0	92	0	0.0	0.00	23.7	38
25/08/2022 17:40	0.0	92	0	0.0	0.00	23.4	40
25/08/2022 17:50	0.0	92	0	0.0	0.00	22.9	44
25/08/2022 18:00	0.0	92	0	0.0	0.00	22.3	48
25/08/2022 18:10	0.0	92	0	0.0	0.00	21.9	52
25/08/2022 18:20	0.0	92	0	0.0	0.00	21.7	54
25/08/2022 18:30	0.0	92	0	0.0	0.00	21.5	55
25/08/2022 18:40	0.0	92	0	0.0	0.00	21.2	56
25/08/2022 18:50	0.0	92	0	0.1	0.00	20.9	57
25/08/2022 19:00	0.0	92	0	0.0	0.00	20.8	58
25/08/2022 19:10	0.0	92	0	0.1	0.00	20.7	58
25/08/2022 19:20	0.0	92	0	0.2	0.00	20.5	55
25/08/2022 19:30	0.0	92	0	0.2	0.00	20.5	52
25/08/2022 19:40	0.0	92	0	0.3	0.00	20.2	51
25/08/2022 19:50	0.0	92	0	0.3	0.00	20.4	50
25/08/2022 20:00	0.0	92	0	0.1	0.00	20.9	49
25/08/2022 20:10	0.0	92	0	0.1	0.00	20.8	49
25/08/2022 20:20	0.0	92	0	0.1	0.00	20.7	50
25/08/2022 20:30	0.0	92	0	0.1	0.00	20.7	50
25/08/2022 20:40	0.0	92	0	0.1	0.00	19.9	52
25/08/2022 20:50	0.0	92	0	0.0	0.00	19.4	54
25/08/2022 21:00	0.0	92	0	0.1	0.00	19.8	53
25/08/2022 21:10	0.0	92	0	0.0	0.00	20.0	54
25/08/2022 21:20	0.0	92	0	0.1	0.00	19.9	54
25/08/2022 21:30	0.0	92	0	0.1	0.00	19.8	54
25/08/2022 21:40	0.0	92	0	0.1	0.00	19.7	54
25/08/2022 21:50	0.0	92	0	0.4	0.00	19.8	53
25/08/2022 22:00	0.0	92	0	0.1	0.00	20.1	52
25/08/2022 22:10	0.0	92	0	0.1	0.00	20.2	51
25/08/2022 22:20	0.0	92	0	0.1	0.00	19.5	53
25/08/2022 22:30	0.0	92	0	0.1	0.00	20.3	51
25/08/2022 22:40	0.0	92	0	0.1	0.00	19.3	54
25/08/2022 22:50	0.0	92	0	0.1	0.00	18.1	57
25/08/2022 23:00	0.0	92	0	0.2	0.00	17.4	61
25/08/2022 23:10	0.0	92	0	0.1	0.00	19.3	56
25/08/2022 23:20	0.0	92	0	0.0	0.00	19.1	56
25/08/2022 23:30	0.0	92	0	0.1	0.00	18.9	57
25/08/2022 23:40	0.0	92	0	0.1	0.00	19.1	58
25/08/2022 23:50	0.0	92	0	0.1	0.00	18.4	60
26/08/2022 00:00	0.0	92	0	0.3	0.00	18.3	62



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/08/2022 00:10	0.0	92	0	0.1	0.00	18.9	61
26/08/2022 00:20	0.0	92	0	0.1	0.00	19.0	60
26/08/2022 00:30	0.0	92	0	0.3	0.00	19.3	60
26/08/2022 00:40	0.0	90	0	0.0	0.00	19.3	60
26/08/2022 00:50	0.0	90	0	0.0	0.00	18.7	61
26/08/2022 01:00	0.0	90	0	0.0	0.00	19.1	59
26/08/2022 01:10	0.0	90	0	0.0	0.00	19.3	57
26/08/2022 01:20	0.0	90	0	0.0	0.00	18.8	58
26/08/2022 01:30	0.0	90	0	0.0	0.00	18.7	57
26/08/2022 01:40	0.0	90	0	0.0	0.00	19.4	54
26/08/2022 01:50	0.0	90	0	0.0	0.00	19.4	54
26/08/2022 02:00	0.0	90	0	0.0	0.00	19.3	54
26/08/2022 02:10	0.0	90	0	0.0	0.00	18.7	55
26/08/2022 02:20	0.0	90	0	0.0	0.00	18.6	55
26/08/2022 02:30	0.0	90	0	0.0	0.00	18.8	55
26/08/2022 02:40	0.0	90	0	0.0	0.00	19.0	54
26/08/2022 02:50	0.0	90	0	0.0	0.00	19.2	53
26/08/2022 03:00	0.0	90	0	0.0	0.00	18.8	54
26/08/2022 03:10	0.0	90	0	0.0	0.00	18.4	53
26/08/2022 03:20	0.0	90	0	0.0	0.00	19.0	52
26/08/2022 03:30	0.0	90	0	0.1	0.00	18.5	53
26/08/2022 03:40	0.0	90	0	0.0	0.00	18.3	54
26/08/2022 03:50	0.0	90	0	0.0	0.00	19.1	52
26/08/2022 04:00	0.0	90	0	0.0	0.00	19.1	52
26/08/2022 04:10	0.0	88	0	0.0	0.00	20.0	47
26/08/2022 04:20	0.0	88	0	0.0	0.00	20.0	47
26/08/2022 04:30	0.0	88	0	0.0	0.00	19.7	47
26/08/2022 04:40	0.0	88	0	0.0	0.00	19.7	45
26/08/2022 04:50	0.0	88	0	0.0	0.00	20.1	43
26/08/2022 05:00	0.0	88	0	0.0	0.00	19.6	43
26/08/2022 05:10	0.0	88	0	0.0	0.00	19.6	43
26/08/2022 05:20	0.0	88	0	0.0	0.00	19.3	45
26/08/2022 05:30	0.0	88	0	0.0	0.00	18.2	49
26/08/2022 05:40	0.0	88	0	0.0	0.00	17.9	51
26/08/2022 05:50	0.0	88	0	0.0	0.00	17.8	52
26/08/2022 06:00	0.0	88	0	0.0	0.00	17.8	52
26/08/2022 06:10	0.0	88	0	0.0	0.00	17.2	56
26/08/2022 06:20	0.0	88	0	0.0	0.00	18.0	53
26/08/2022 06:30	0.0	90	0	0.0	0.00	18.0	53
26/08/2022 06:40	0.0	90	0	0.0	0.00	17.8	53
26/08/2022 06:50	0.0	90	0	0.0	0.00	17.5	57
26/08/2022 07:00	0.0	90	0	0.0	0.00	17.5	60
26/08/2022 07:10	0.0	90	0	0.0	0.00	17.5	61
26/08/2022 07:20	0.0	90	0	0.0	0.00	18.4	58
26/08/2022 07:30	0.0	91	0	0.0	0.00	19.0	54
26/08/2022 07:40	0.0	92	0	0.0	0.00	20.7	45
26/08/2022 07:50	0.0	90	0	0.0	0.00	21.2	39
26/08/2022 08:00	0.0	90	0	0.0	0.00	21.0	40



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/08/2022 08:10	0.0	89	0	0.0	0.00	21.4	38
26/08/2022 08:20	0.0	89	0	0.0	0.00	20.6	44
26/08/2022 08:30	0.0	88	0	0.2	0.00	20.4	48
26/08/2022 08:40	0.0	88	0	0.0	0.00	20.4	49
26/08/2022 08:50					0.00	20.1	49
26/08/2022 09:00	0.0	87	1	0.6	0.00	20.8	47
26/08/2022 09:10	1.7	90	18	4.2	0.00	21.2	47
26/08/2022 09:20	2.6	119	14	3.6	0.00	21.2	47
26/08/2022 09:30	2.2	108	15	3.3	0.00	22.0	46
26/08/2022 09:40	2.8	112	12	3.8	0.00	22.2	45
26/08/2022 09:50	3.2	112	13	4.5	0.00	23.0	43
26/08/2022 10:00	3.2	109	15	4.4	0.00	23.6	43
26/08/2022 10:10	4.7	110	12	6.4	0.00	23.7	38
26/08/2022 10:20	4.3	104	14	6.3	0.00	24.3	34
26/08/2022 10:30	4.6	100	14	6.3	0.00	24.6	34
26/08/2022 10:40	4.5	106	17	6.3	0.00	25.0	32
26/08/2022 10:50	4.6	105	15	6.5	0.00	25.5	29
26/08/2022 11:00	6.0	85	10	7.8	0.00	25.0	32
26/08/2022 11:10	6.2	85	8	7.6	0.00	24.4	33
26/08/2022 11:20	6.2	85	7	7.8	0.00	23.9	30
26/08/2022 11:30	5.9	84	10	7.8	0.00	24.2	29
26/08/2022 11:40	6.2	84	8	7.8	0.00	24.6	27
26/08/2022 11:50	6.2	84	11	7.7	0.00	24.4	29
26/08/2022 12:00	5.9	84	10	7.1	0.00	24.6	28
26/08/2022 12:10	5.3	78	11	7.7	0.00	24.8	29
26/08/2022 12:20	5.8	64	8	7.5	0.00	24.4	28
26/08/2022 12:30	6.2	68	7	7.4	0.00	24.5	28
26/08/2022 12:40	6.0	76	7	7.4	0.00	24.5	29
26/08/2022 12:50	5.9	81	8	7.7	0.00	24.6	28
26/08/2022 13:00	5.7	82	9	7.6	0.00	24.9	29
26/08/2022 13:10	5.8	77	11	7.7	0.00	24.8	30
26/08/2022 13:20	5.2	66	12	6.9	0.00	24.7	32
26/08/2022 13:30	5.5	78	9	6.8	0.00	24.4	34
26/08/2022 13:40	5.3	58	12	6.9	0.00	24.6	31
26/08/2022 13:50	5.2	61	10	6.6	0.00	24.9	32
26/08/2022 14:00	5.3	69	10	6.7	0.00	24.5	32
26/08/2022 14:10	5.2	56	11	6.6	0.00	24.8	32
26/08/2022 14:20	5.2	59	10	6.6	0.00	25.0	32
26/08/2022 14:30	5.8	56	10	7.5	0.00	25.1	29
26/08/2022 14:40	5.6	52	9	6.9	0.00	25.1	29
26/08/2022 14:50	5.6	50	9	6.9	0.00	25.1	29
26/08/2022 15:00	5.4	53	8	7.2	0.00	25.2	28
26/08/2022 15:10	5.4	58	9	7.3	0.00	25.2	28
26/08/2022 15:20	4.9	54	10	6.7	0.00	25.5	28
26/08/2022 15:30	5.4	46	8	7.1	0.00	25.4	27
26/08/2022 15:40	5.7	50	8	7.2	0.00	25.5	22
26/08/2022 15:50	5.4	52	7	7.0	0.00	25.8	20
26/08/2022 16:00	5.0	53	8	6.4	0.00	26.1	18



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/08/2022 16:10	4.8	51	9	6.3	0.00	26.2	19
26/08/2022 16:20	4.7	57	7	5.8	0.00	26.2	20
26/08/2022 16:30	4.5	57	6	5.5	0.00	26.2	21
26/08/2022 16:40	3.6	56	8	4.6	0.00	26.4	21
26/08/2022 16:50	3.2	43	12	4.5	0.00	26.5	23
26/08/2022 17:00	3.3	10	11	4.4	0.00	26.5	20
26/08/2022 17:10	3.7	5	13	4.8	0.00	26.1	20
26/08/2022 17:20	3.5	180	11	4.8	0.00	25.7	25
26/08/2022 17:30	4.0	356	10	5.1	0.00	25.2	28
26/08/2022 17:40	3.5	179	10	4.6	0.00	24.8	30
26/08/2022 17:50	2.9	348	10	4.3	0.00	24.2	38
26/08/2022 18:00	3.0	354	12	4.1	0.00	23.6	40
26/08/2022 18:10	3.4	1	11	4.4	0.00	23.4	42
26/08/2022 18:20	3.5	346	8	4.4	0.00	23.1	45
26/08/2022 18:30	3.2	340	7	4.2	0.00	22.8	49
26/08/2022 18:40	3.5	340	6	4.6	0.00	22.7	49
26/08/2022 18:50	3.7	338	6	4.5	0.00	22.6	48
26/08/2022 19:00	4.0	338	4	4.8	0.00	22.6	46
26/08/2022 19:10	3.6	339	5	4.6	0.00	22.4	50
26/08/2022 19:20	3.4	340	7	4.4	0.00	22.2	54
26/08/2022 19:30	2.5	337	11	3.9	0.00	22.0	56
26/08/2022 19:40	1.5	332	18	3.0	0.00	21.8	57
26/08/2022 19:50	0.1	234	0	0.8	0.00	21.9	57
26/08/2022 20:00	0.4	233	0	1.1	0.00	21.8	60
26/08/2022 20:10	0.0	233	0	1.1	0.00	21.8	61
26/08/2022 20:20	0.0	233	0	0.1	0.00	21.3	62
26/08/2022 20:30	1.7	233	0	2.5	0.00	20.4	66
26/08/2022 20:40	2.1	234	0	2.6	0.00	20.1	69
26/08/2022 20:50	1.8	264	11	2.8	0.00	19.6	70
26/08/2022 21:00	1.8	274	1	2.8	0.00	20.1	71
26/08/2022 21:10	2.0	273	1	2.6	0.00	20.5	71
26/08/2022 21:20	2.4	277	5	3.1	0.00	20.6	71
26/08/2022 21:30	2.7	270	2	3.4	0.00	20.8	71
26/08/2022 21:40	2.4	265	0	3.0	0.00	20.4	74
26/08/2022 21:50	1.9	265	0	2.8	0.00	21.0	75
26/08/2022 22:00	1.8	265	1	2.6	0.00	20.8	75
26/08/2022 22:10	2.4	258	2	3.2	0.00	20.2	76
26/08/2022 22:20	2.5	275	5	3.1	0.00	20.3	76
26/08/2022 22:30	2.2	280	6	3.3	0.00	20.1	74
26/08/2022 22:40	2.3	288	3	2.9	0.00	20.1	72
26/08/2022 22:50	2.3	289	4	3.0	0.00	20.2	74
26/08/2022 23:00	2.0	290	3	2.8	0.00	20.2	76
26/08/2022 23:10	2.4	281	2	3.1	0.00	20.2	76
26/08/2022 23:20	2.7	276	0	3.4	0.00	19.8	77
26/08/2022 23:30	2.7	274	1	3.2	0.00	19.4	77
26/08/2022 23:40	2.0	274	0	2.9	0.00	18.9	78
26/08/2022 23:50	1.5	275	0	2.7	0.00	18.7	78
27/08/2022 00:00	0.0	275	0	0.5	0.00	18.6	79





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/08/2022 00:10	2.3	275	0	3.4	0.00	18.6	80
27/08/2022 00:20	2.3	275	1	3.5	0.00	19.1	81
27/08/2022 00:30	0.1	275	0	0.6	0.00	18.9	81
27/08/2022 00:40	0.1	275	0	1.8	0.00	18.8	81
27/08/2022 00:50	0.0	275	0	0.5	0.00	19.0	81
27/08/2022 01:00	0.0	275	0	0.8	0.00	18.5	81
27/08/2022 01:10	0.0	275	0	0.9	0.00	17.3	82
27/08/2022 01:20	0.0	275	0	0.5	0.00	17.6	84
27/08/2022 01:30	0.0	275	0	0.6	0.00	17.6	85
27/08/2022 01:40	0.0	275	0	0.6	0.00	17.7	86
27/08/2022 01:50	1.2	275	0	3.2	0.00	17.6	86
27/08/2022 02:00	2.6	274	1	3.5	0.00	17.8	86
27/08/2022 02:10	3.0	271	1	3.6	0.00	17.9	86
27/08/2022 02:20	3.3	270	2	3.8	0.00	17.7	85
27/08/2022 02:30	3.3	272	2	3.7	0.00	17.8	84
27/08/2022 02:40	3.0	276	2	3.6	0.00	17.9	83
27/08/2022 02:50	3.1	269	2	3.7	0.00	17.9	83
27/08/2022 03:00	3.1	269	2	3.8	0.00	17.8	83
27/08/2022 03:10	3.1	275	3	3.7	0.00	18.0	82
27/08/2022 03:20	1.6	281	3	3.4	0.00	17.9	80
27/08/2022 03:30	0.3	284	3	2.4	0.00	17.6	81
27/08/2022 03:40	0.6	282	1	2.3	0.00	17.4	81
27/08/2022 03:50	1.2	274	2	2.8	0.00	17.3	80
27/08/2022 04:00	0.9	272	4	2.4	0.00	17.4	78
27/08/2022 04:10	0.0	271	0	0.5	0.00	17.6	77
27/08/2022 04:20	0.0	271	0	0.2	0.00	17.7	75
27/08/2022 04:30	0.0	271	0	0.4	0.00	17.9	74
27/08/2022 04:40	0.0	271	0	0.3	0.00	17.7	74
27/08/2022 04:50	0.0	271	0	0.7	0.00	17.2	75
27/08/2022 05:00	0.8	154	14	1.3	0.00	17.1	75
27/08/2022 05:10	1.3	35	4	2.5	0.00	17.4	75
27/08/2022 05:20	0.0	49	0	0.3	0.00	17.2	74
27/08/2022 05:30	0.0	49	1	0.5	0.00	16.9	74
27/08/2022 05:40	0.0	42	1	0.3	0.00	16.9	71
27/08/2022 05:50	0.8	39	4	2.0	0.00	17.0	69
27/08/2022 06:00	0.0	31	2	0.5	0.00	17.5	66
27/08/2022 06:10	0.0	26	2	0.3	0.00	17.9	64
27/08/2022 06:20	0.0	73	4	0.3	0.00	17.4	66
27/08/2022 06:30	1.7	53	10	2.8	0.00	16.7	69
27/08/2022 06:40	0.1	37	5	0.8	0.00	16.7	67
27/08/2022 06:50	0.1	74	2	1.1	0.00	16.9	66
27/08/2022 07:00	0.0	47	3	0.4	0.00	17.5	61
27/08/2022 07:10	0.0	34	3	0.3	0.00	17.9	59
27/08/2022 07:20	0.0	47	0	0.4	0.00	18.4	59
27/08/2022 07:30	0.0	44	0	0.4	0.00	18.8	60
27/08/2022 07:40	0.0	40	2	0.6	0.00	19.2	61
27/08/2022 07:50	1.2	41	3	2.9	0.00	19.6	63
27/08/2022 08:00	2.0	55	8	3.0	0.00	20.0	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/08/2022 08:10	2.0	81	2	2.8	0.00	20.7	57
27/08/2022 08:20	1.9	85	2	2.8	0.00	21.1	54
27/08/2022 08:30	1.9	83	6	2.9	0.00	21.3	53
27/08/2022 08:40	2.2	99	14	3.1	0.00	21.6	53
27/08/2022 08:50	2.0	98	5	2.8	0.00	22.0	52
27/08/2022 09:00	1.9	95	8	2.9	0.00	22.2	52
27/08/2022 09:10	2.5	102	9	3.2	0.00	22.0	53
27/08/2022 09:20	2.4	113	10	3.4	0.00	22.3	53
27/08/2022 09:30	2.4	110	10	3.2	0.00	22.5	53
27/08/2022 09:40	2.5	108	12	3.4	0.00	22.7	52
27/08/2022 09:50	2.2	117	12	3.3	0.00	23.0	51
27/08/2022 10:00	2.1	109	12	3.1	0.00	23.5	51
27/08/2022 10:10	2.3	102	17	3.2	0.00	23.7	51
27/08/2022 10:20	2.4	88	14	3.2	0.00	24.2	50
27/08/2022 10:30	2.5	111	8	3.4	0.00	24.4	50
27/08/2022 10:40	2.6	123	13	3.3	0.00	24.1	51
27/08/2022 10:50	2.4	121	15	3.3	0.00	24.3	51
27/08/2022 11:00	2.3	118	14	3.1	0.00	25.2	49
27/08/2022 11:10	2.3	106	14	3.4	0.00	25.7	48
27/08/2022 11:20	2.6	131	10	3.6	0.00	25.7	47
27/08/2022 11:30	2.3	106	19	3.3	0.00	26.9	41
27/08/2022 11:40	2.3	117	24	3.3	0.00	27.2	41
27/08/2022 11:50	2.7	130	8	3.3	0.00	27.2	40
27/08/2022 12:00	2.4	126	6	3.2	0.00	28.0	37
27/08/2022 12:10	2.1	125	9	3.0	0.00	28.3	34
27/08/2022 12:20	2.3	122	6	3.4	0.00	28.5	33
27/08/2022 12:30	1.7	140	6	2.9	0.00	28.7	34
27/08/2022 12:40	1.3	211	32	2.6	0.00	28.7	37
27/08/2022 12:50	2.4	318	13	3.4	0.00	28.0	42
27/08/2022 13:00	3.0	318	15	4.1	0.00	28.1	39
27/08/2022 13:10	3.0	334	18	4.2	0.00	28.2	37
27/08/2022 13:20	3.5	314	10	4.5	0.00	28.1	34
27/08/2022 13:30	3.4	336	19	4.3	0.00	28.3	29
27/08/2022 13:40	3.1	339	13	4.5	0.00	28.6	25
27/08/2022 13:50	3.3	323	12	4.5	0.00	28.4	29
27/08/2022 14:00	4.0	338	15	5.7	0.00	28.3	32
27/08/2022 14:10	4.6	350	12	5.8	0.00	27.6	40
27/08/2022 14:20	4.7	342	11	5.9	0.00	26.7	49
27/08/2022 14:30	4.6	338	12	5.9	0.00	26.5	52
27/08/2022 14:40	4.5	337	12	6.1	0.00	26.6	50
27/08/2022 14:50	5.0	339	10	6.6	0.00	26.4	51
27/08/2022 15:00	5.2	340	9	6.4	0.00	25.8	58
27/08/2022 15:10	5.3	331	10	6.5	0.00	26.0	57
27/08/2022 15:20	5.1	336	10	6.6	0.00	25.9	57
27/08/2022 15:30	5.6	328	8	7.2	0.00	25.4	60
27/08/2022 15:40	5.7	323	8	7.1	0.00	25.4	56
27/08/2022 15:50	5.4	322	9	6.6	0.00	25.5	58
27/08/2022 16:00	5.7	325	8	7.2	0.00	25.4	57



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/08/2022 16:10	6.4	323	8	8.1	0.00	25.1	57
27/08/2022 16:20	6.2	323	8	7.9	0.00	24.9	59
27/08/2022 16:30	6.8	329	7	8.2	0.00	24.7	58
27/08/2022 16:40	6.0	329	8	7.8	0.00	24.8	57
27/08/2022 16:50	5.0	328	9	6.6	0.00	25.1	60
27/08/2022 17:00	6.1	327	9	7.7	0.00	24.5	63
27/08/2022 17:10	5.5	323	9	7.5	0.00	24.4	69
27/08/2022 17:20	5.6	328	7	7.2	0.00	24.0	68
27/08/2022 17:30	5.3	331	9	7.0	0.00	24.0	70
27/08/2022 17:40	5.0	322	12	7.2	0.00	23.8	71
27/08/2022 17:50	5.1	319	9	6.4	0.00	23.7	75
27/08/2022 18:00	4.2	308	12	6.4	0.00	23.5	78
27/08/2022 18:10	4.7	303	11	6.6	0.00	23.1	80
27/08/2022 18:20	4.5	302	11	6.1	0.00	22.8	81
27/08/2022 18:30	4.4	298	10	6.0	0.00	22.7	81
27/08/2022 18:40	3.7	296	10	5.2	0.00	22.7	80
27/08/2022 18:50	3.5	293	11	5.2	0.00	22.5	79
27/08/2022 19:00	3.9	293	11	5.0	0.00	22.5	78
27/08/2022 19:10	4.1	288	9	5.6	0.00	22.4	78
27/08/2022 19:20	4.1	289	10	5.3	0.00	22.4	77
27/08/2022 19:30	4.2	283	7	5.6	0.00	22.2	77
27/08/2022 19:40	3.8	283	6	5.0	0.00	21.9	78
27/08/2022 19:50	3.5	295	9	4.8	0.00	21.9	77
27/08/2022 20:00	3.8	299	10	5.8	0.00	22.0	76
27/08/2022 20:10	3.9	292	9	5.1	0.00	22.1	75
27/08/2022 20:20	3.3	295	9	4.3	0.00	22.0	73
27/08/2022 20:30	2.8	302	10	3.7	0.00	21.8	73
27/08/2022 20:40	3.3	289	8	4.5	0.00	21.6	69
27/08/2022 20:50	3.6	285	8	5.2	0.00	21.9	72
27/08/2022 21:00	4.0	291	8	5.6	0.00	22.1	73
27/08/2022 21:10	4.6	289	7	5.7	0.00	22.2	71
27/08/2022 21:20	5.1	288	7	6.4	0.00	22.4	69
27/08/2022 21:30	5.4	285	7	6.9	0.00	22.5	70
27/08/2022 21:40	4.2	297	8	6.1	0.00	22.6	70
27/08/2022 21:50	3.8	297	6	4.9	0.00	22.4	74
27/08/2022 22:00	3.7	298	9	5.2	0.00	22.3	75
27/08/2022 22:10	3.7	297	9	5.0	0.00	22.3	76
27/08/2022 22:20	4.0	295	7	5.2	0.00	22.2	77
27/08/2022 22:30	4.4	290	9	5.9	0.00	22.3	75
27/08/2022 22:40	4.6	291	9	6.4	0.00	22.4	74
27/08/2022 22:50	5.0	293	8	6.3	0.00	22.5	74
27/08/2022 23:00	6.0	289	7	7.8	0.00	23.2	65
27/08/2022 23:10	6.0	291	6	7.4	0.00	23.1	68
27/08/2022 23:20	4.6	287	7	6.2	0.00	22.5	74
27/08/2022 23:30	4.1	276	4	5.3	0.00	22.0	75
27/08/2022 23:40	3.8	274	5	4.7	0.00	21.5	76
27/08/2022 23:50	3.6	269	3	4.2	0.00	21.2	77
28/08/2022 00:00	3.9	269	3	4.4	0.00	21.1	78



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/08/2022 00:10	3.6	263	2	4.1	0.00	21.0	78
28/08/2022 00:20	3.3	259	1	3.9	0.00	20.7	80
28/08/2022 00:30	3.5	259	1	4.1	0.00	20.4	81
28/08/2022 00:40	3.7	259	1	4.3	0.00	20.3	81
28/08/2022 00:50	3.8	261	1	4.2	0.00	20.1	82
28/08/2022 01:00	3.7	262	1	4.3	0.00	20.0	83
28/08/2022 01:10	3.8	264	2	4.3	0.00	19.8	83
28/08/2022 01:20	3.9	267	2	4.4	0.00	19.7	83
28/08/2022 01:30	3.6	264	1	4.1	0.00	19.4	82
28/08/2022 01:40	3.6	264	1	4.2	0.00	19.0	82
28/08/2022 01:50	4.4	266	2	4.8	0.00	19.1	80
28/08/2022 02:00	4.2	267	2	4.8	0.00	18.8	79
28/08/2022 02:10	3.8	262	2	4.4	0.00	18.6	78
28/08/2022 02:20	4.5	263	2	5.1	0.00	18.8	76
28/08/2022 02:30	5.0	265	2	5.4	0.00	18.6	73
28/08/2022 02:40	5.0	268	2	5.6	0.00	18.5	71
28/08/2022 02:50	4.4	264	2	4.8	0.00	18.1	70
28/08/2022 03:00	4.6	263	2	5.2	0.00	18.3	65
28/08/2022 03:10	4.2	260	1	4.6	0.00	17.7	68
28/08/2022 03:20	4.0	263	2	4.7	0.00	18.0	67
28/08/2022 03:30	4.6	274	4	5.2	0.00	18.6	60
28/08/2022 03:40	4.5	277	4	5.1	0.00	18.8	56
28/08/2022 03:50	4.3	276	4	4.8	0.00	18.9	53
28/08/2022 04:00	3.7	271	6	4.6	0.00	19.0	50
28/08/2022 04:10	3.1	267	10	3.9	0.00	18.9	51
28/08/2022 04:20	2.5	268	12	3.8	0.00	18.8	54
28/08/2022 04:30	2.3	263	11	3.5	0.00	18.7	55
28/08/2022 04:40	2.4	258	5	3.3	0.00	18.6	56
28/08/2022 04:50	1.6	264	5	3.0	0.00	18.6	56
28/08/2022 05:00	1.9	256	15	3.8	0.00	18.7	54
28/08/2022 05:10	1.7	263	11	3.2	0.00	18.6	54
28/08/2022 05:20	2.7	256	10	3.5	0.00	17.9	58
28/08/2022 05:30	3.1	240	20	4.5	0.00	18.2	57
28/08/2022 05:40	4.3	226	17	5.7	0.00	19.7	44
28/08/2022 05:50	4.4	216	15	6.1	0.00	20.6	37
28/08/2022 06:00	4.5	197	11	5.6	0.00	20.4	36
28/08/2022 06:10	4.9	188	9	6.9	0.00	20.5	35
28/08/2022 06:20	4.9	188	8	6.5	0.00	20.5	34
28/08/2022 06:30	4.7	183	11	6.8	0.00	20.3	35
28/08/2022 06:40	4.7	187	11	6.4	0.00	20.1	35
28/08/2022 06:50	4.7	187	11	6.9	0.00	20.0	35
28/08/2022 07:00	5.3	187	11	7.6	0.00	20.2	35
28/08/2022 07:10	5.5	191	9	7.8	0.00	20.5	34
28/08/2022 07:20	5.4	186	10	7.5	0.00	20.7	34
28/08/2022 07:30	5.5	186	10	8.3	0.00	20.8	33
28/08/2022 07:40	5.4	179	10	7.5	0.00	21.0	32
28/08/2022 07:50	4.6	173	11	7.4	0.00	21.1	33
28/08/2022 08:00	4.5	171	12	6.4	0.00	21.1	33



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/08/2022 08:10	3.6	171	11	5.2	0.00	21.4	33
28/08/2022 08:20	3.2	167	20	4.9	0.00	21.9	32
28/08/2022 08:30	3.1	168	17	5.7	0.00	22.3	32
28/08/2022 08:40	3.2	163	16	5.0	0.00	22.7	31
28/08/2022 08:50	2.6	156	21	4.7	0.00	23.1	31
28/08/2022 09:00	3.0	134	14	4.7	0.00	23.7	30
28/08/2022 09:10	3.1	142	16	4.6	0.00	23.8	29
28/08/2022 09:20	3.3	138	18	4.5	0.00	24.2	28
28/08/2022 09:30	3.0	141	13	4.5	0.00	24.5	28
28/08/2022 09:40	3.4	132	18	4.8	0.00	24.8	30
28/08/2022 09:50	3.1	136	16	4.5	0.00	25.1	28
28/08/2022 10:00	3.4	143	17	5.0	0.00	25.3	27
28/08/2022 10:10	3.1	143	19	4.6	0.00	25.8	28
28/08/2022 10:20	3.6	148	15	4.7	0.00	25.9	26
28/08/2022 10:30	3.3	136	15	5.1	0.00	26.4	25
28/08/2022 10:40	3.1	114	18	4.5	0.00	26.8	27
28/08/2022 10:50	3.4	102	13	4.6	0.00	26.8	29
28/08/2022 11:00	3.1	110	12	4.2	0.00	26.8	27
28/08/2022 11:10	2.9	101	15	3.9	0.00	27.3	27
28/08/2022 11:20	3.0	101	13	4.3	0.00	27.4	27
28/08/2022 11:30	3.0	93	16	4.1	0.00	27.7	25
28/08/2022 11:40	3.4	92	11	4.6	0.00	27.8	24
28/08/2022 11:50	4.1	72	12	5.3	0.00	27.8	24
28/08/2022 12:00	3.8	58	15	4.9	0.00	27.7	28
28/08/2022 12:10	3.8	44	13	5.1	0.00	27.6	28
28/08/2022 12:20	3.3	33	13	4.5	0.00	27.7	26
28/08/2022 12:30	3.0	50	19	4.5	0.00	27.9	24
28/08/2022 12:40	2.9	42	14	4.3	0.00	28.4	24
28/08/2022 12:50	3.6	56	13	5.0	0.00	28.6	23
28/08/2022 13:00	3.9	46	9	5.0	0.00	28.2	23
28/08/2022 13:10	3.8	45	15	4.8	0.00	28.0	25
28/08/2022 13:20	4.1	38	12	5.2	0.00	28.2	27
28/08/2022 13:30	3.8	42	9	5.0	0.00	27.9	24
28/08/2022 13:40	3.3	44	11	4.5	0.00	28.6	22
28/08/2022 13:50	2.9	53	15	4.1	0.00	29.0	21
28/08/2022 14:00	2.9	44	17	4.7	0.00	29.2	22
28/08/2022 14:10	2.8	19	25	4.8	0.00	29.3	23
28/08/2022 14:20	2.9	339	19	4.1	0.00	29.0	25
28/08/2022 14:30	4.0	323	12	5.5	0.00	28.8	26
28/08/2022 14:40	5.1	316	9	6.3	0.00	28.0	28
28/08/2022 14:50	4.8	320	8	6.2	0.00	27.8	30
28/08/2022 15:00	5.5	322	6	6.6	0.00	27.4	31
28/08/2022 15:10	5.1	328	8	6.3	0.00	27.1	37
28/08/2022 15:20	5.3	325	9	6.7	0.00	26.8	38
28/08/2022 15:30	4.5	317	12	6.7	0.00	27.2	36
28/08/2022 15:40	5.7	316	8	7.3	0.00	26.6	36
28/08/2022 15:50	5.2	320	9	7.2	0.00	26.6	38
28/08/2022 16:00	5.0	326	10	6.9	0.00	26.4	41



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/08/2022 16:10	5.5	322	10	7.1	0.00	26.1	42
28/08/2022 16:20	5.5	307	10	7.1	0.00	25.8	45
28/08/2022 16:30	5.0	309	10	7.0	0.00	25.5	48
28/08/2022 16:40	4.6	294	10	6.6	0.00	25.6	50
28/08/2022 16:50	4.1	298	11	5.9	0.00	25.5	49
28/08/2022 17:00	4.1	293	10	6.2	0.00	25.4	49
28/08/2022 17:10	4.4	297	9	6.4	0.00	25.2	51
28/08/2022 17:20	3.6	301	11	5.6	0.00	25.1	50
28/08/2022 17:30	3.3	306	13	4.5	0.00	25.1	47
28/08/2022 17:40	3.9	291	9	5.0	0.00	25.0	44
28/08/2022 17:50	4.4	289	9	5.6	0.00	24.5	48
28/08/2022 18:00	4.5	285	7	5.7	0.00	24.2	45
28/08/2022 18:10	4.4	288	8	5.5	0.00	24.1	43
28/08/2022 18:20	3.2	293	10	4.7	0.00	23.9	48
28/08/2022 18:30	3.6	298	12	5.2	0.00	23.5	56
28/08/2022 18:40	3.7	295	13	5.1	0.00	23.3	60
28/08/2022 18:50	3.9	287	7	5.0	0.00	23.2	62
28/08/2022 19:00	4.4	293	8	5.5	0.00	23.1	64
28/08/2022 19:10	3.9	296	8	5.1	0.00	23.0	65
28/08/2022 19:20	4.1	300	9	5.4	0.00	23.0	66
28/08/2022 19:30	3.7	298	10	4.9	0.00	22.9	67
28/08/2022 19:40	4.3	303	8	5.3	0.00	22.9	67
28/08/2022 19:50	4.0	303	9	5.0	0.00	22.9	68
28/08/2022 20:00	4.0	299	7	4.9	0.00	22.8	67
28/08/2022 20:10	3.4	292	7	4.3	0.00	22.7	67
28/08/2022 20:20	3.6	285	6	4.4	0.00	22.5	68
28/08/2022 20:30	3.3	288	5	4.1	0.00	22.4	68
28/08/2022 20:40	3.3	289	7	4.0	0.00	22.4	68
28/08/2022 20:50	2.8	286	4	3.5	0.00	22.2	69
28/08/2022 21:00	2.6	295	7	3.8	0.00	22.2	68
28/08/2022 21:10	3.0	288	8	4.0	0.00	22.5	64
28/08/2022 21:20	2.7	279	6	3.6	0.00	21.9	69
28/08/2022 21:30	2.6	278	2	3.5	0.00	21.5	75
28/08/2022 21:40	2.9	284	5	3.6	0.00	21.2	75
28/08/2022 21:50	3.0	269	2	3.8	0.00	21.1	76
28/08/2022 22:00	2.9	277	5	3.6	0.00	21.1	77
28/08/2022 22:10	3.0	269	2	4.0	0.00	20.9	77
28/08/2022 22:20	3.3	280	5	3.9	0.00	20.8	78
28/08/2022 22:30	3.2	286	5	4.0	0.00	21.2	75
28/08/2022 22:40	2.5	276	2	3.2	0.00	21.2	76
28/08/2022 22:50	2.4	295	8	3.6	0.00	21.2	74
28/08/2022 23:00	3.0	299	5	3.9	0.00	21.7	69
28/08/2022 23:10	2.9	293	7	3.7	0.00	22.0	68
28/08/2022 23:20	3.1	267	8	3.9	0.00	21.2	73
28/08/2022 23:30	2.4	281	10	3.0	0.00	20.9	77
28/08/2022 23:40	2.1	272	5	4.0	0.00	20.6	78
28/08/2022 23:50	0.7	231	5	2.9	0.00	20.4	79
29/08/2022 00:00	0.0	224	0	0.6	0.00	20.5	77



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/08/2022 00:10	0.1	224	0	0.7	0.00	20.3	78
29/08/2022 00:20	0.3	225	0	2.2	0.00	20.3	78
29/08/2022 00:30	0.5	223	1	1.4	0.00	20.0	78
29/08/2022 00:40	0.4	183	10	2.3	0.00	20.5	74
29/08/2022 00:50	0.2	172	0	1.5	0.00	20.4	69
29/08/2022 01:00	0.5	171	1	2.0	0.00	20.9	60
29/08/2022 01:10	0.8	213	16	3.3	0.00	21.5	52
29/08/2022 01:20	0.6	128	12	2.2	0.00	21.3	51
29/08/2022 01:30	0.7	154	16	4.0	0.00	21.1	49
29/08/2022 01:40	0.1	199	3	2.1	0.00	20.7	48
29/08/2022 01:50	2.1	188	26	3.1	0.00	20.9	46
29/08/2022 02:00	1.2	32	10	2.7	0.00	21.0	41
29/08/2022 02:10	0.6	335	21	2.5	0.00	21.3	39
29/08/2022 02:20	2.5	58	9	3.5	0.00	20.9	38
29/08/2022 02:30	2.0	108	7	3.5	0.00	20.8	40
29/08/2022 02:40	1.7	114	6	3.1	0.00	21.0	38
29/08/2022 02:50	2.3	97	13	3.7	0.00	20.5	42
29/08/2022 03:00	2.5	111	10	3.9	0.00	20.3	44
29/08/2022 03:10	2.3	113	16	3.8	0.00	20.5	42
29/08/2022 03:20	2.7	51	16	3.5	0.00	19.1	49
29/08/2022 03:30	2.9	102	10	3.8	0.00	19.3	53
29/08/2022 03:40	2.1	97	9	3.5	0.00	19.1	55
29/08/2022 03:50	2.4	94	7	3.0	0.00	18.3	58
29/08/2022 04:00	2.8	102	9	3.7	0.00	19.0	56
29/08/2022 04:10	2.8	106	7	3.8	0.00	18.4	59
29/08/2022 04:20	3.1	106	8	4.0	0.00	19.3	56
29/08/2022 04:30	2.2	81	9	3.1	0.00	17.9	60
29/08/2022 04:40	2.5	80	8	3.1	0.00	17.7	60
29/08/2022 04:50	2.8	85	11	3.7	0.00	17.8	60
29/08/2022 05:00	3.1	93	14	4.0	0.00	19.1	54
29/08/2022 05:10	3.0	79	10	3.8	0.00	17.7	60
29/08/2022 05:20	2.7	99	10	3.6	0.00	18.4	56
29/08/2022 05:30	3.4	80	5	3.8	0.00	17.8	58
29/08/2022 05:40	2.9	93	6	3.5	0.00	18.4	54
29/08/2022 05:50	2.4	107	10	3.3	0.00	18.6	53
29/08/2022 06:00	2.7	86	7	3.3	0.00	18.1	56
29/08/2022 06:10	2.5	90	7	3.2	0.00	18.1	55
29/08/2022 06:20	2.4	90	8	3.7	0.10	17.9	55
29/08/2022 06:30	3.3	91	10	4.5	0.00	18.7	50
29/08/2022 06:40	3.8	92	9	5.2	0.00	19.4	44
29/08/2022 06:50	4.3	97	12	6.2	0.00	20.3	39
29/08/2022 07:00	4.5	104	11	6.4	0.00	20.8	38
29/08/2022 07:10	4.0	98	9	5.8	0.00	20.7	39
29/08/2022 07:20	4.4	97	11	6.9	0.00	21.0	39
29/08/2022 07:30	4.9	103	10	7.7	0.00	21.3	41
29/08/2022 07:40	4.9	103	10	7.3	0.00	21.5	42
29/08/2022 07:50	5.6	102	11	8.3	0.00	21.7	40
29/08/2022 08:00	5.2	100	12	7.5	0.00	21.9	41



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/08/2022 08:10	5.9	100	10	8.0	0.00	22.1	40
29/08/2022 08:20	5.8	103	12	8.5	0.00	22.4	39
29/08/2022 08:30	6.8	105	11	9.4	0.00	22.5	39
29/08/2022 08:40	6.2	102	12	8.4	0.00	22.8	39
29/08/2022 08:50	6.0	104	12	8.6	0.00	23.0	39
29/08/2022 09:00	5.5	104	11	8.1	0.00	23.4	39
29/08/2022 09:10	5.8	103	12	8.5	0.00	23.5	38
29/08/2022 09:20	5.4	101	12	7.5	0.00	23.8	38
29/08/2022 09:30	7.0	90	10	9.6	0.00	24.1	34
29/08/2022 09:40	7.2	87	8	9.3	0.00	24.0	34
29/08/2022 09:50	7.1	88	10	8.9	0.00	23.8	34
29/08/2022 10:00	6.4	89	9	8.4	0.00	23.9	37
29/08/2022 10:10	7.1	82	10	9.8	0.00	24.2	36
29/08/2022 10:20	6.8	82	10	9.3	0.00	24.3	35
29/08/2022 10:30	6.5	79	10	9.2	0.00	24.5	34
29/08/2022 10:40	7.4	66	8	9.3	0.00	24.2	36
29/08/2022 10:50	7.9	66	7	9.4	0.00	23.9	34
29/08/2022 11:00	7.5	68	8	9.0	0.00	24.3	36
29/08/2022 11:10	7.0	65	9	8.8	0.00	24.7	38
29/08/2022 11:20	8.1	69	6	9.6	0.00	24.6	38
29/08/2022 11:30	7.6	75	8	9.7	0.00	25.1	36
29/08/2022 11:40	7.3	71	9	9.7	0.00	25.6	38
29/08/2022 11:50	7.4	69	10	9.4	0.00	25.4	38
29/08/2022 12:00	7.4	66	10	9.6	0.00	25.6	36
29/08/2022 12:10	7.3	64	9	9.9	0.00	25.6	37
29/08/2022 12:20	7.1	62	10	8.8	0.00	25.8	38
29/08/2022 12:30	6.9	58	11	9.1	0.00	25.8	37
29/08/2022 12:40	6.6	67	12	9.4	0.00	26.1	35
29/08/2022 12:50	6.8	68	11	9.2	0.00	25.9	36
29/08/2022 13:00	7.1	65	10	9.9	0.00	25.9	35
29/08/2022 13:10	6.8	58	9	8.7	0.00	26.2	34
29/08/2022 13:20	6.4	59	10	8.7	0.00	26.3	35
29/08/2022 13:30	6.7	58	8	8.7	0.00	26.0	36
29/08/2022 13:40	6.6	55	10	8.5	0.00	26.2	35
29/08/2022 13:50	6.3	55	9	8.2	0.00	26.5	34
29/08/2022 14:00	6.2	54	9	8.0	0.00	26.7	33
29/08/2022 14:10	5.8	53	10	7.5	0.00	26.9	32
29/08/2022 14:20	5.7	56	10	7.3	0.00	27.0	32
29/08/2022 14:30	5.6	56	10	7.3	0.00	27.1	33
29/08/2022 14:40	5.3	58	11	6.5	0.00	27.6	30
29/08/2022 14:50	5.5	58	12	7.2	0.00	27.7	29
29/08/2022 15:00	5.7	53	9	7.3	0.00	27.6	28
29/08/2022 15:10	5.8	54	10	7.8	0.00	27.5	28
29/08/2022 15:20	5.5	48	9	6.9	0.00	27.5	29
29/08/2022 15:30	5.3	43	9	6.6	0.00	27.2	29
29/08/2022 15:40	5.3	49	9	6.8	0.00	27.3	30
29/08/2022 15:50	5.8	53	8	7.2	0.00	27.3	28
29/08/2022 16:00	5.5	48	10	6.9	0.00	27.4	27





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/08/2022 16:10	5.8	47	7	7.0	0.00	27.4	26
29/08/2022 16:20	5.2	49	8	6.7	0.00	27.7	24
29/08/2022 16:30	5.2	52	7	6.6	0.00	28.0	23
29/08/2022 16:40	5.0	46	8	6.3	0.00	27.9	23
29/08/2022 16:50	4.6	52	8	6.1	0.00	28.1	23
29/08/2022 17:00	4.5	52	7	5.8	0.00	28.1	23
29/08/2022 17:10	3.3	47	12	4.5	0.00	28.2	24
29/08/2022 17:20	3.5	24	8	4.6	0.00	27.3	34
29/08/2022 17:30	3.7	14	9	4.9	0.00	27.1	35
29/08/2022 17:40	3.9	6	8	4.8	0.00	26.4	39
29/08/2022 17:50	3.9	13	6	4.8	0.00	25.9	39
29/08/2022 18:00	3.4	13	8	4.4	0.00	25.6	39
29/08/2022 18:10	3.2	15	6	3.8	0.00	25.1	43
29/08/2022 18:20	2.6	12	6	3.2	0.00	24.9	41
29/08/2022 18:30	1.9	21	10	2.9	0.00	24.5	42
29/08/2022 18:40	0.6	44	5	1.8	0.00	24.4	40
29/08/2022 18:50	0.0	51	0	0.0	0.00	23.8	44
29/08/2022 19:00	0.0	44	0	0.0	0.00	23.8	45
29/08/2022 19:10	0.0	54	0	0.0	0.00	23.9	44
29/08/2022 19:20	0.0	72	5	0.0	0.00	23.7	43
29/08/2022 19:30	0.2	137	5	0.9	0.00	23.6	43
29/08/2022 19:40	1.2	308	20	2.2	0.00	23.9	43
29/08/2022 19:50	0.1	324	1	0.6	0.00	23.6	46
29/08/2022 20:00	0.0	319	0	0.0	0.00	23.5	46
29/08/2022 20:10	0.0	343	2	0.0	0.00	23.2	47
29/08/2022 20:20	0.0	349	0	0.0	0.00	23.3	48
29/08/2022 20:30	0.0	356	2	0.0	0.00	23.0	49
29/08/2022 20:40	0.1	346	2	1.0	0.00	23.0	51
29/08/2022 20:50	0.0	19	0	0.1	0.00	22.7	51
29/08/2022 21:00	0.0	19	0	0.1	0.00	22.4	51
29/08/2022 21:10	1.8	260	8	2.9	0.00	21.9	57
29/08/2022 21:20	0.5	264	1	0.9	0.00	21.8	58
29/08/2022 21:30	0.0	264	0	0.0	0.00	22.2	55
29/08/2022 21:40	0.0	264	0	0.1	0.00	22.1	54
29/08/2022 21:50	0.0	264	0	0.1	0.00	21.8	56
29/08/2022 22:00	1.3	254	3	2.5	0.00	21.1	64
29/08/2022 22:10	2.2	265	5	3.0	0.00	21.3	66
29/08/2022 22:20	1.7	258	6	3.0	0.00	21.0	64
29/08/2022 22:30	2.9	258	7	3.7	0.00	20.6	63
29/08/2022 22:40	2.5	265	6	3.4	0.00	20.8	61
29/08/2022 22:50	2.4	264	7	3.5	0.00	20.9	63
29/08/2022 23:00	3.0	262	8	3.9	0.00	20.8	66
29/08/2022 23:10	2.8	265	11	4.0	0.00	20.8	68
29/08/2022 23:20	3.3	262	12	4.3	0.00	20.8	69
29/08/2022 23:30	3.0	257	11	4.1	0.00	21.0	68
29/08/2022 23:40	3.0	260	9	4.3	0.00	20.9	67
29/08/2022 23:50	2.9	264	10	3.9	0.00	21.1	66
30/08/2022 00:00	1.0	252	10	2.9	0.00	20.9	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/08/2022 00:10	0.7	243	10	2.6	0.00	20.8	66
30/08/2022 00:20	2.8	268	8	3.5	0.00	21.0	64
30/08/2022 00:30	2.3	268	11	3.5	0.00	20.9	63
30/08/2022 00:40	0.9	245	18	2.5	0.00	21.1	61
30/08/2022 00:50	2.0	279	8	3.2	0.00	21.1	60
30/08/2022 01:00	2.6	271	6	3.4	0.00	21.1	60
30/08/2022 01:10	2.3	274	6	3.4	0.00	20.3	63
30/08/2022 01:20	0.6	272	12	2.8	0.00	19.9	65
30/08/2022 01:30	0.5	234	8	1.2	0.00	20.3	64
30/08/2022 01:40	1.0	257	13	2.9	0.00	20.3	62
30/08/2022 01:50	1.3	254	13	3.2	0.00	20.5	61
30/08/2022 02:00	2.9	240	14	4.3	0.00	21.2	56
30/08/2022 02:10	3.2	207	12	4.6	0.00	22.2	52
30/08/2022 02:20	3.5	201	11	5.0	0.00	22.6	46
30/08/2022 02:30	3.1	202	11	4.0	0.00	22.4	47
30/08/2022 02:40	4.2	196	9	5.2	0.00	22.3	49
30/08/2022 02:50	4.0	207	11	5.2	0.00	22.0	50
30/08/2022 03:00	3.9	212	19	5.1	0.00	21.8	51
30/08/2022 03:10	2.5	223	20	4.0	0.00	21.1	53
30/08/2022 03:20	0.5	223	7	1.3	0.00	20.6	54
30/08/2022 03:30	1.1	196	8	3.2	0.00	20.4	54
30/08/2022 03:40	1.6	203	11	2.8	0.00	20.9	51
30/08/2022 03:50	2.0	204	22	3.5	0.00	21.3	49
30/08/2022 04:00	0.9	202	12	3.2	0.00	21.2	49
30/08/2022 04:10	0.5	186	4	2.4	0.00	20.9	50
30/08/2022 04:20	0.0	166	0	0.1	0.00	20.6	51
30/08/2022 04:30	0.0	166	0	0.0	0.00	20.1	52
30/08/2022 04:40	0.0	167	0	0.3	0.00	20.3	50
30/08/2022 04:50	0.0	164	0	0.5	0.00	20.3	50
30/08/2022 05:00	0.2	96	7	0.9	0.00	20.0	51
30/08/2022 05:10	0.3	69	8	1.1	0.00	19.3	54
30/08/2022 05:20	0.9	60	5	2.5	0.00	18.3	57
30/08/2022 05:30	1.5	79	6	2.4	0.00	18.3	59
30/08/2022 05:40	0.2	79	0	0.8	0	18.6	59
30/08/2022 05:50	0.5	48	2	1.5	0	18.8	59
30/08/2022 06:00	0.6	46	1	1.6	0	18.9	57
30/08/2022 06:10	0	45	0	0	0	19.7	52
30/08/2022 06:20	0	45	0	0.2	0	19.6	52
30/08/2022 06:30	0	56	1	0.6	0	19.8	49
30/08/2022 06:40	0.1	109	4	1	0	19.6	49
30/08/2022 06:50	0	80	2	0	0	19.7	47
30/08/2022 07:00	0.1	90	7	1.2	0	19.6	46
30/08/2022 07:10	0.2	62	8	1.2	0	19.6	45
30/08/2022 07:20	0.3	56	11	2	0	19.6	45
30/08/2022 07:30	1.3	62	11	2.2	0	19.5	46
30/08/2022 07:40	1.4	100	8	2.6	0	20.6	43
30/08/2022 07:50	1.7	96	10	2.7	0	22	38
30/08/2022 08:00	2.4	87	8	3.2	0	22.3	37



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/08/2022 08:10	2.8	90	7	3.4	0	21.8	40
30/08/2022 08:20	2.5	97	9	3.8	0	22	43
30/08/2022 08:30	3.3	91	9	4.4	0	22.3	46
30/08/2022 08:40	3.6	93	10	4.7	0	22.7	45
30/08/2022 08:50	3.2	105	11	4.2	0	22.2	47
30/08/2022 09:00	3	106	10	4.2	0	22	50
30/08/2022 09:10	3.3	97	10	4.5	0	22.5	48
30/08/2022 09:20	4.1	102	9	5.9	0	23.5	41
30/08/2022 09:30	3.7	99	12	5.1	0	24.3	42
30/08/2022 09:40	3.7	102	10	5.6	0	24.2	43
30/08/2022 09:50	3.6	103	10	5	0	24.1	45
30/08/2022 10:00	5	89	9	6.7	0	24.1	42
30/08/2022 10:10	6.1	87	9	8.1	0	25.1	33
30/08/2022 10:20	5.9	87	8	7.7	0	24.8	34
30/08/2022 10:30	6.5	88	8	7.9	0	24.7	32
30/08/2022 10:40	4.9	81	10	6.6	0	24.9	30
30/08/2022 10:50	5	86	11	6.9	0	25	33
30/08/2022 11:00	6.1	95	10	8.2	0	24.9	35
30/08/2022 11:10	6.7	83	11	8.6	0	25.2	27
30/08/2022 11:20	7.2	68	7	9	0	25	26
30/08/2022 11:30	7.2	73	8	9.2	0	24.9	25
30/08/2022 11:40	6.7	74	12	9.1	0	25.5	27
30/08/2022 11:50	6.4	58	11	8.7	0	25.4	29
30/08/2022 12:00	6.8	54	8	8.7	0	25.1	30
30/08/2022 12:10	5.5	62	11	7.8	0	25.5	29
30/08/2022 12:20	5.5	57	11	6.9	0	25.9	29
30/08/2022 12:30	5.3	58	10	6.9	0	25.8	29
30/08/2022 12:40	5.1	57	11	7.1	0	26.1	28
30/08/2022 12:50	5.6	53	8	7	0	25.8	30
30/08/2022 13:00	5.7	52	9	7.5	0	25.4	31
30/08/2022 13:10	5.1	51	9	6.6	0	25.5	30
30/08/2022 13:20	4.8	50	9	6.4	0	25.9	30
30/08/2022 13:30	5.4	48	8	6.8	0	25.6	31
30/08/2022 13:40	5.2	48	7	6.5	0	25.6	31
30/08/2022 13:50	5.1	50	7	6.4	0	25.6	32
30/08/2022 14:00	4.4	54	9	5.9	0	25.6	32
30/08/2022 14:10	3.6	53	9	4.9	0	26	32
30/08/2022 14:20	3.6	48	12	5	0	26.8	31
30/08/2022 14:30	3.8	73	15	5.8	0	27.7	26
30/08/2022 14:40	4.3	73	11	6	0	28	23
30/08/2022 14:50	4.9	76	9	6.7	0	28.2	23
30/08/2022 15:00	4	75	12	5.5	0	28.6	23
30/08/2022 15:10	3.7	77	16	5.5	0	28.8	23
30/08/2022 15:20	3.4	40	12	4.7	0	28.3	27
30/08/2022 15:30	4	41	11	5.4	0	28.2	26
30/08/2022 15:40	4.5	42	8	5.7	0	28.1	25
30/08/2022 15:50	4.7	44	7	5.6	0	28.1	24
30/08/2022 16:00	4.3	48	8	5.4	0	28	24



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/08/2022 16:10	3.8	55	9	4.8	0	27.9	23
30/08/2022 16:20	3.8	54	7	5.2	0	28.2	22
30/08/2022 16:30	3.5	53	6	4.8	0	28.5	22
30/08/2022 16:40	3.8	52	6	5.1	0	28.3	23
30/08/2022 16:50	3.9	55	8	5.1	0	28	23
30/08/2022 17:00	3.7	55	7	4.7	0	27.8	24
30/08/2022 17:10	3.1	53	5	3.9	0	27.2	24
30/08/2022 17:20	3.3	53	5	4.2	0	26.8	25
30/08/2022 17:30	3.1	51	6	3.8	0	26.6	27
30/08/2022 17:40	3.1	44	6	3.9	0	26	28
30/08/2022 17:50	3.1	44	5	4	0	25.6	29
30/08/2022 18:00	3	44	5	3.7	0	25.4	29
30/08/2022 18:10	2.2	46	4	2.9	0	25.3	30
30/08/2022 18:20	1.9	45	4	2.5	0	25	32
30/08/2022 18:30	1.8	48	2	2.2	0	24.8	33
30/08/2022 18:40	1.9	47	3	2.2	0	24.6	34
30/08/2022 18:50	1.5	38	1	2	0	24.3	36
30/08/2022 19:00	0.6	36	0	1.2	0	24.3	37
30/08/2022 19:10	0	38	0	0	0	24.2	37
30/08/2022 19:20	0	39	0	0	0	24.2	34
30/08/2022 19:30	0	39	0	0	0	24.4	31
30/08/2022 19:40	0.4	40	0	0.8	0	24.4	30
30/08/2022 19:50	0.3	44	0	0.9	0	24	31
30/08/2022 20:00	0	44	0	0	0	23.7	31
30/08/2022 20:10	0	44	0	0	0	23.9	32
30/08/2022 20:20	0	44	0	0	0	23.4	33
30/08/2022 20:30	0	43	1	0	0	23.5	34
30/08/2022 20:40	0	24	0	0.1	0	24.1	37
30/08/2022 20:50	0.5	8	8	2.4	0	23.9	38
30/08/2022 21:00	0.4	192	3	1.7	0	24.1	38
30/08/2022 21:10	1.6	264	10	2.9	0	22.9	47
30/08/2022 21:20	2.7	269	5	3.3	0	22.3	55
30/08/2022 21:30	2.6	264	7	3.3	0	22.3	55
30/08/2022 21:40	2.7	265	6	3.3	0	22.2	56
30/08/2022 21:50	2.4	263	9	3	0	22.5	55
30/08/2022 22:00	2.5	278	12	3.1	0	22	57
30/08/2022 22:10	2.8	273	4	3.3	0	22.3	55
30/08/2022 22:20	2.9	260	5	3.4	0	22	59
30/08/2022 22:30	2.3	275	3	2.9	0	22.1	59
30/08/2022 22:40	2.7	269	2	3.4	0	22.2	59
30/08/2022 22:50	2.5	276	3	2.8	0	22.2	60
30/08/2022 23:00	2.2	274	4	2.8	0	22.3	59
30/08/2022 23:10	1.7	279	4	2.4	0	22.2	59
30/08/2022 23:20	0	287	0	0.4	0	22	58
30/08/2022 23:30	0	257	3	0.1	0	22.6	54
30/08/2022 23:40	0	267	0	0.1	0	22.7	53
30/08/2022 23:50	0	259	0	0.3	0	22.7	51
31/08/2022 00:00	0	275	1	0.1	0	22.6	51



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
31/08/2022 00:10	0	279	0	0.1	0	22.6	50
31/08/2022 00:20	0	257	3	0.1	0	22.6	50
31/08/2022 00:30	1	278	1	1.8	0	21.8	53
31/08/2022 00:40	0	240	10	0.6	0	22.2	50
31/08/2022 00:50	0	265	1	0.1	0	22.8	47
31/08/2022 01:00	0	264	0	0	0	22.7	47
31/08/2022 01:10	0	255	2	0.1	0	22.8	47
31/08/2022 01:20	0	256	0	0	0	22.8	47
31/08/2022 01:30	0	260	0	0.1	0	22	51
31/08/2022 01:40	0	261	0	0.1	0	21.6	54
31/08/2022 01:50	0	262	0	0.3	0	22.2	51
31/08/2022 02:00	0.1	266	3	1	0	22.3	53
31/08/2022 02:10	1.7	278	4	2.7	0	21.5	61
31/08/2022 02:20	2	273	6	2.8	0	21	67
31/08/2022 02:30	2.7	280	4	3.4	0	21.5	72
31/08/2022 02:40	2	280	4	2.9	0	21.6	75
31/08/2022 02:50	2.4	276	4	3	0	21.7	76
31/08/2022 03:00	2.4	270	4	3.2	0	21.3	77
31/08/2022 03:10	2.3	266	4	3	0	20.7	79
31/08/2022 03:20	2.4	275	5	3.1	0	20.8	80
31/08/2022 03:30	2.6	267	1	3.3	0	20.9	81
31/08/2022 03:40	2.8	268	2	3.4	0	20.7	82
31/08/2022 03:50	2.7	271	2	3.3	0	20.6	82
31/08/2022 04:00	2.4	271	2	3.1	0	20.7	82
31/08/2022 04:10	2.2	267	5	2.9	0	20.6	82
31/08/2022 04:20	2.2	278	4	3.2	0	20.5	82
31/08/2022 04:30	2.6	272	2	3.3	0	20.4	80
31/08/2022 04:40	2.2	268	2	3.1	0	20.3	80
31/08/2022 04:50	2.4	262	1	3.2	0	20.4	81
31/08/2022 05:00	2.2	261	1	3	0	20.2	82
31/08/2022 05:10	2.1	259	2	2.8	0	20.1	82
31/08/2022 05:20	2.3	262	2	3	0	20.2	81
31/08/2022 05:30	2.3	261	2	3	0	20	80
31/08/2022 05:40	1.9	265	2	2.7	0	20.1	79
31/08/2022 05:50	0.7	262	1	2.3	0	20.1	78
31/08/2022 06:00	0	266	1	0.2	0	20	78
31/08/2022 06:10	0	271	1	1.3	0	20.2	76
31/08/2022 06:20	0	272	0	1.1	0	20.4	74
31/08/2022 06:30	0	272	0	0.1	0.1	20.1	74
31/08/2022 06:40	0	282	1	0.1	0.1	20.2	74
31/08/2022 06:50	0	219	12	0.4	0	20	75
31/08/2022 07:00	0	164	0	0.8	0	20.2	75
31/08/2022 07:10	0	224	0	1.2	0	20.4	74
31/08/2022 07:20	0	284	0	0.3	0	20.7	73
31/08/2022 07:30	0	284	0	1.1	0	21.2	71
31/08/2022 07:40	0	265	5	0.7	0	21.6	69
31/08/2022 07:50	0.1	226	11	1.3	0	22	65
31/08/2022 08:00	0	270	2	0.2	0	22.4	62



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
31/08/2022 08:10	0.1	275	2	1.4	0	22.9	60
31/08/2022 08:20	0.6	262	11	2	0	23.2	57
31/08/2022 08:30	0	189	5	0.8	0	23.6	57
31/08/2022 08:40	0.7	133	7	2.5	0	24.1	56
31/08/2022 08:50	1.9	128	6	3.1	0	23.9	59
31/08/2022 09:00	1.6	126	5	2.4	0	24.4	57
31/08/2022 09:10	1.9	125	10	2.9	0	24.6	57
31/08/2022 09:20	1.4	94	6	2.5	0	24.4	57
31/08/2022 09:30	0	75	0	0.9	0	24.7	57
31/08/2022 09:40	1.4	91	7	2.8	0	25.8	53
31/08/2022 09:50	3.1	113	11	3.9	0	24.5	57
31/08/2022 10:00	2.9	102	10	3.8	0	24.3	56
31/08/2022 10:10	2.5	102	13	3.2	0	24.5	56
31/08/2022 10:20	2.8	112	12	3.5	0	25.3	53
31/08/2022 10:30	3.2	110	11	4.3	0	25.5	53
31/08/2022 10:40	3	105	11	4	0	25.7	55
31/08/2022 10:50	2.7	91	14	3.7	0	26.1	54
31/08/2022 11:00	2.9	82	11	3.8	0	26	53
31/08/2022 11:10	3	70	11	4.1	0	26.3	53
31/08/2022 11:20	1.9	32	18	3.9	0	26.7	51
31/08/2022 11:30	2.6	47	14	4.4	0	26.7	52
31/08/2022 11:40	2.5	55	16	4.1	0	26.6	52
31/08/2022 11:50	2.6	53	16	4.1	0	26.7	51
31/08/2022 12:00	2.6	9	18	4.4	0	27.3	47
31/08/2022 12:10	2.8	22	18	4.4	0	27.1	48
31/08/2022 12:20	2.6	16	14	4.3	0	26.9	48
31/08/2022 12:30	3	183	12	4.7	0	26.8	48
31/08/2022 12:40	3.4	352	23	4.6	0	26.9	47
31/08/2022 12:50	3.5	181	15	5.3	0	26.9	47
31/08/2022 13:00	3.3	181	13	5	0	27.6	45
31/08/2022 13:10	3.7	8	10	5.3	0	27.2	45
31/08/2022 13:20	3.2	175	18	4.7	0	27.1	45
31/08/2022 13:30	3.3	2	13	4.5	0	27.1	45
31/08/2022 13:40	3	342	17	4.2	0	27.2	44
31/08/2022 13:50	2.7	184	18	3.7	0	27.5	44
31/08/2022 14:00	2.8	8	9	4.2	0	27.4	44
31/08/2022 14:10	2.9	339	24	4.1	0	27.4	43
31/08/2022 14:20	3.6	176	17	5.3	0	27.3	43
31/08/2022 14:30	3.7	179	10	5.2	0	27.2	44
31/08/2022 14:40	4.2	173	12	5.7	0	26.9	46
31/08/2022 14:50	3.7	335	13	5.4	0	26.7	47
31/08/2022 15:00	3.7	327	10	5.4	0	26.5	50
31/08/2022 15:10	3.8	326	11	5.5	0	26.5	51
31/08/2022 15:20	4.1	329	11	5.5	0	26.4	51
31/08/2022 15:30	4.4	324	11	5.9	0	26.3	52
31/08/2022 15:40	4.7	325	11	6.1	0	26	54
31/08/2022 15:50	4.9	322	7	6	0	25.9	56
31/08/2022 16:00	4.4	330	12	6	0	26	59



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
31/08/2022 16:10	4.7	334	10	5.7	0	25.5	60
31/08/2022 16:20	4.4	329	8	5.9	0	25.5	61
31/08/2022 16:30	4.1	334	11	5.5	0	25.4	62
31/08/2022 16:40	4.1	337	11	5.8	0	25.4	60
31/08/2022 16:50	5.2	341	7	6.6	0	25.1	58
31/08/2022 17:00	4.8	341	8	6.3	0	25.1	56
31/08/2022 17:10	4.5	348	10	5.6	0	25.1	57
31/08/2022 17:20	4.5	342	9	6	0	24.8	58
31/08/2022 17:30	3.7	334	10	4.9	0	24.7	58
31/08/2022 17:40	3.7	323	11	5.2	0	24.6	58
31/08/2022 17:50	4.8	324	7	5.7	0	24.3	58
31/08/2022 18:00	4.2	325	8	5.7	0	24.1	60
31/08/2022 18:10	3.6	320	9	5.1	0	24	62
31/08/2022 18:20	3.9	322	10	5.3	0	23.9	63
31/08/2022 18:30	3.7	321	10	5	0	23.8	64
31/08/2022 18:40	4.3	324	8	5.5	0	23.7	65
31/08/2022 18:50	4.5	327	6	5.6	0	23.7	66
31/08/2022 19:00	4.3	323	8	5.5	0	23.6	66
31/08/2022 19:10	4.5	324	6	5.8	0	23.6	67
31/08/2022 19:20	4	322	8	5.1	0	23.6	67
31/08/2022 19:30	4.1	323	8	5.5	0	23.5	67
31/08/2022 19:40	4	324	8	5.1	0	23.5	68
31/08/2022 19:50	3.4	317	9	4.5	0	23.4	68
31/08/2022 20:00	3.7	327	8	5.1	0	23.4	68
31/08/2022 20:10	3	322	10	4	0	23.3	68
31/08/2022 20:20	3.3	314	8	4.3	0	23.3	69
31/08/2022 20:30	3.1	302	8	4.4	0	23.3	70
31/08/2022 20:40	3.2	297	9	4	0	23.2	70
31/08/2022 20:50	3.6	303	8	4.6	0	23.2	69
31/08/2022 21:00	3.7	308	7	4.6	0	23.2	69
31/08/2022 21:10	3	306	11	4.1	0	23.2	69
31/08/2022 21:20	2.8	295	9	3.8	0	23.2	69
31/08/2022 21:30	2.4	273	12	3.5	0	22.9	73
31/08/2022 21:40	2.2	259	9	3.2	0	22.4	77
31/08/2022 21:50	2	267	9	2.6	0	22.1	78
31/08/2022 22:00	1.6	277	7	2.9	0	22.1	77
31/08/2022 22:10	1.2	282	5	2.9	0	22	77
31/08/2022 22:20	1.6	276	6	2.5	0	22.2	75
31/08/2022 22:30	1.6	278	8	2.9	0	22.3	75
31/08/2022 22:40	2	300	10	3.2	0	22.3	74
31/08/2022 22:50	2.5	316	7	3.2	0	22.5	73
31/08/2022 23:00	2.5	325	4	3.4	0	22.6	73
31/08/2022 23:10	2	322	9	3	0	22.5	74
31/08/2022 23:20	1.7	327	7	2.9	0	22.4	75
31/08/2022 23:30	2.3	318	8	3.3	0	22.3	74
31/08/2022 23:40	2.6	313	6	3.7	0	22.5	73
31/08/2022 23:50	2	327	6	2.9	0	22.4	74
09/01/2022 00:00	1.8	318	10	3.3	0	22.3	74



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/01/2022 00:10	1.3	271	7	3.3	0	22.1	75
09/01/2022 00:20	2	252	7	2.8	0	21.6	78
09/01/2022 00:30	2.4	251	6	3.2	0	21.3	80
09/01/2022 00:40	2.3	258	5	3.2	0	21.3	81
09/01/2022 00:50	2.1	249	17	3.1	0	21.8	81
09/01/2022 01:00	1	265	6	2.6	0	22.1	79
09/01/2022 01:10	1.9	256	7	2.8	0	21.9	79
09/01/2022 01:20	1.1	166	10	2.6	0	21.3	81
09/01/2022 01:30	0.6	89	0	1.4	0	20.8	83
09/01/2022 01:40	0	89	0	0.4	0	20.5	84
09/01/2022 01:50	0	89	0	1.1	0	20.4	84
09/01/2022 02:00	0	89	0	0.4	0	20.3	85
09/01/2022 02:10	0	89	0	1.3	0	20.3	87
09/01/2022 02:20	0	89	0	1	0	20.3	87
09/01/2022 02:30	0	80	2	0.4	0	20.3	88
09/01/2022 02:40	0	54	0	1	0	20.3	89
09/01/2022 02:50	0	54	0	1.2	0	20.2	89
09/01/2022 03:00	0.2	73	6	1.2	0	20.1	89
09/01/2022 03:10	1.6	107	13	2.7	0	20.2	90
09/01/2022 03:20	0.1	137	5	1.3	0	20.4	90
09/01/2022 03:30	0.1	115	3	1.2	0	20.5	90
09/01/2022 03:40	0.2	92	6	1.7	0	20.3	89
09/01/2022 03:50	0.1	92	2	0.9	0	20.2	89
09/01/2022 04:00	0	81	0	1.1	0	20.1	89
09/01/2022 04:10	0.7	81	0	1.5	0	19.8	89
09/01/2022 04:20	1.7	79	1	2.6	0	19.7	89
09/01/2022 04:30	1.4	79	0	2	0	19.8	90
09/01/2022 04:40	0.1	77	0	0.8	0	19.8	90
09/01/2022 04:50	0	72	0	1.3	0	19.9	89
09/01/2022 05:00	0	67	0	1.4	0	19.8	89
09/01/2022 05:10	0	86	3	0.5	0	19.8	89
09/01/2022 05:20	0	88	1	1.3	0	20	88
09/01/2022 05:30	0	65	2	0.3	0	19.9	88
09/01/2022 05:40	0	64	0	1.3	0	19.8	88
09/01/2022 05:50	0	64	0	0.4	0	20	88
09/01/2022 06:00	0	64	0	1.4	0	20.1	88
09/01/2022 06:10	0	63	0	0.4	0	20.1	87
09/01/2022 06:20	0.4	62	0	1.7	0	20	87
09/01/2022 06:30	0.1	63	0	1.4	0	19.9	87
09/01/2022 06:40	1.7	67	5	3	0	19.8	88
09/01/2022 06:50	2.5	51	4	3.1	0	20	88
09/01/2022 07:00	2.7	59	4	3.6	0	20.5	88
09/01/2022 07:10	3.4	60	6	4.2	0	21.3	85
09/01/2022 07:20	3.5	66	6	4.6	0	22	81
09/01/2022 07:30	3.3	47	7	4.4	0.1	22.5	78
09/01/2022 07:40	3.1	38	5	4	0	22.2	79
09/01/2022 07:50	1.9	46	3	2.7	0	22.6	79
09/01/2022 08:00	3.1	59	7	4	0	23.4	75





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/01/2022 08:10	3.6	63	6	4.6	0	23.5	72
09/01/2022 08:20	2.9	81	8	3.9	0	23.6	72
09/01/2022 08:30	2.4	105	15	3.8	0	23.6	74
09/01/2022 08:40	2.9	102	10	4.1	0	23	77
09/01/2022 08:50	3.7	89	8	4.5	0	23	78
09/01/2022 09:00	3.6	94	9	4.6	0	23.2	77
09/01/2022 09:10	3.1	87	11	4.1	0	23.4	76
09/01/2022 09:20	2.8	87	12	3.7	0	23.5	76
09/01/2022 09:30	3	92	13	4.1	0	23.7	75
09/01/2022 09:40	3.2	96	12	4.2	0	23.8	74
09/01/2022 09:50	3.1	84	12	4.6	0	24.2	72
09/01/2022 10:00	3.3	94	12	4.6	0	24.5	70
09/01/2022 10:10	4	84	12	5.3	0	24.6	68
09/01/2022 10:20	4.6	70	10	6	0	25.1	65
09/01/2022 10:30	4.4	87	16	6.4	0	25.8	63
09/01/2022 10:40	5.3	84	12	7.2	0	25.6	60
09/01/2022 10:50	5.7	83	9	8.3	0	25.8	58
09/01/2022 11:00	6.3	73	9	8.2	0	26	52
09/01/2022 11:10	7.6	70	8	9.3	0	25.7	49
09/01/2022 11:20	7.8	77	9	10.4	0	25.5	50
09/01/2022 11:30	6.6	81	10	9.4	0	25.9	51
09/01/2022 11:40	7.2	83	10	9.8	0	25.6	51
09/01/2022 11:50	7.5	81	8	9.6	0	25.5	52
09/01/2022 12:00	7.4	78	9	9.8	0	25.7	52
09/01/2022 12:10	6.6	79	9	8.5	0	25.9	53
09/01/2022 12:20	5.7	76	13	7.9	0	26.4	52
09/01/2022 12:30	6.2	83	10	8.3	0	25.9	53
09/01/2022 12:40	6.6	86	9	8.4	0	26.1	51
09/01/2022 12:50	6.8	81	11	9.6	0	26.1	52
09/01/2022 13:00	6.9	82	8	9	0	26.1	53
09/01/2022 13:10	5.9	67	10	7.5	0	26.2	54
09/01/2022 13:20	6	60	8	7.4	0	26.1	56
09/01/2022 13:30	6.6	54	9	8.5	0	25.8	58
09/01/2022 13:40	6.2	59	12	8.2	0	26	59
09/01/2022 13:50	6.8	60	10	8.7	0	26	61
09/01/2022 14:00	6.2	60	12	8.1	0	26.3	61
09/01/2022 14:10	6.9	60	10	9.1	0	26	61
09/01/2022 14:20	7.5	63	9	9.8	0	25.8	60
09/01/2022 14:30	7.3	55	7	9.1	0	25.6	61
09/01/2022 14:40	7	45	10	9	0	26	61
09/01/2022 14:50	7.5	43	8	9.3	0	25.6	60
09/01/2022 15:00	6.9	54	9	8.5	0	25.6	60
09/01/2022 15:10	7	51	10	9.1	0	25.9	54
09/01/2022 15:20	6.7	51	10	8.3	0	25.9	55
09/01/2022 15:30	5.9	53	9	7.5	0	26.2	52
09/01/2022 15:40	5.4	51	10	6.9	0	26.5	51
09/01/2022 15:50	5.8	57	7	7	0	26.3	50
09/01/2022 16:00	5.6	61	8	7.3	0	26.6	50



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/01/2022 16:10	5.5	56	9	6.8	0	26.5	49
09/01/2022 16:20	4.1	33	12	5.7	0	27	48
09/01/2022 16:30	4.7	6	9	6.3	0	26.7	51
09/01/2022 16:40	5.1	358	11	6.3	0	26.6	50
09/01/2022 16:50	5.1	181	10	6.2	0	26.3	52
09/01/2022 17:00	4.9	181	11	6.3	0	26.2	54
09/01/2022 17:10	5.4	1	10	7	0	25.6	58
09/01/2022 17:20	5.5	4	9	7.5	0	25.2	61
09/01/2022 17:30	6	357	9	7.9	0	24.9	62
09/01/2022 17:40	6.1	179	10	7.9	0	24.6	64
09/01/2022 17:50	5.7	356	10	7.2	0	24.3	65
09/01/2022 18:00	6	179	10	7.5	0	24.2	65
09/01/2022 18:10	5.7	2	10	7.3	0	24	67
09/01/2022 18:20	5.7	182	12	7.4	0	23.9	68
09/01/2022 18:30	5.7	3	9	7.2	0	23.8	69
09/01/2022 18:40	4.9	5	9	6.2	0	23.8	71
09/01/2022 18:50	4.6	6	10	6.3	0	23.7	72
09/01/2022 19:00	4	8	9	5.5	0	23.7	71
09/01/2022 19:10	3.3	22	10	4.3	0	23.7	72
09/01/2022 19:20	2.3	28	10	3	0	23.6	73
09/01/2022 19:30	2.4	28	10	4.1	0	23.5	74
09/01/2022 19:40	3.1	38	6	4	0	23.5	75
09/01/2022 19:50	2.4	35	12	3.8	0	23.4	76
09/01/2022 20:00	3.1	44	9	4.3	0	23.5	76
09/01/2022 20:10	2.8	50	6	3.7	0	23.4	76
09/01/2022 20:20	2.3	31	9	3.3	0	23.5	76
09/01/2022 20:30	2.3	16	10	3.1	0	23.6	76
09/01/2022 20:40	2.6	26	8	3.3	0	23.6	76
09/01/2022 20:50	1.7	19	5	2.6	0	23.6	77
09/01/2022 21:00	2.3	47	6	3.1	0	23.4	78
09/01/2022 21:10	2.3	46	5	3.1	0	23.3	78
09/01/2022 21:20	2.6	37	5	3.3	0	23.2	79
09/01/2022 21:30	2.2	31	9	3.3	0	23.3	80
09/01/2022 21:40	1.4	47	6	2.2	0	23.3	81
09/01/2022 21:50	0.2	52	4	2	0	23.2	81
09/01/2022 22:00	1.8	63	4	2.8	0	23.1	82
09/01/2022 22:10	2.2	61	5	2.9	0	23.2	82
09/01/2022 22:20	1.6	50	5	2.3	0	23.1	83
09/01/2022 22:30	1.6	59	3	2.6	0	23	84
09/01/2022 22:40	2	84	8	2.7	0	23	84
09/01/2022 22:50	1.6	90	5	2.7	0	22.8	86
09/01/2022 23:00	0	82	1	0.6	0	22.5	87
09/01/2022 23:10	1.2	83	7	2.8	0	22.6	88
09/01/2022 23:20	2.3	68	5	3	0	22.5	89
09/01/2022 23:30	1.9	102	12	2.7	0	22.5	90
09/01/2022 23:40	1.6	92	11	2.7	0	22.3	90
09/01/2022 23:50	1.6	94	11	2.7	0	22.2	91
09/02/2022 00:00	0.3	97	2	1	0	22.2	91



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/02/2022 00:10	0.3	86	7	1.4	0	22.1	91
09/02/2022 00:20	0	86	3	1.4	0	22.1	91
09/02/2022 00:30	1.8	119	9	2.8	0	22.2	91
09/02/2022 00:40	0.1	49	0	0.9	0	22	91
09/02/2022 00:50	0.3	61	1	1.4	0	22	92
09/02/2022 01:00	0.4	70	1	1.2	0	22	92
09/02/2022 01:10	0.6	82	6	1.3	0	22.1	92
09/02/2022 01:20	1.8	98	14	2.9	0	22.3	92
09/02/2022 01:30	2.7	86	9	3.6	0	22.3	92
09/02/2022 01:40	3.3	68	10	4.5	0	22.5	93
09/02/2022 01:50	2.9	70	7	3.7	0	22.4	93
09/02/2022 02:00	2.1	75	8	3.2	0	22.4	93
09/02/2022 02:10	2.5	75	11	3.7	0	22.4	93
09/02/2022 02:20	1.9	52	10	2.7	0	22.3	93
09/02/2022 02:30	1.8	32	3	2.6	0	22.2	94
09/02/2022 02:40	2	69	10	2.8	0	22.3	94
09/02/2022 02:50	1.9	94	11	2.8	0	22.3	94
09/02/2022 03:00	2	92	10	3.1	0	22.4	94
09/02/2022 03:10	2.1	70	4	3.2	0	22.3	94
09/02/2022 03:20	3.4	80	8	4.8	0	22.3	94
09/02/2022 03:30	3.3	81	14	4.7	0	22.3	94
09/02/2022 03:40	4.3	106	15	5.6	0	22.1	94
09/02/2022 03:50	4.1	89	11	6.1	0	22.2	93
09/02/2022 04:00	4.7	85	8	6.4	0	22.2	92
09/02/2022 04:10	4.2	79	8	5.3	0	22.3	92
09/02/2022 04:20	4.1	81	8	5.7	0	22.4	91
09/02/2022 04:30	4.3	77	7	5.5	0	22.3	91
09/02/2022 04:40	4.3	81	8	5.4	0	22.3	91
09/02/2022 04:50	3.8	69	8	5	0	22.3	91
09/02/2022 05:00	3.5	71	7	4.8	0	22.2	91
09/02/2022 05:10	2.9	75	9	3.9	0	22.2	90
09/02/2022 05:20	3.4	76	7	4.3	0	22.3	89
09/02/2022 05:30	3.4	72	6	4.3	0	22.4	88
09/02/2022 05:40	3.1	72	7	4	0	22.5	88
09/02/2022 05:50	2.6	74	7	3.3	0	22.6	88
09/02/2022 06:00	2	64	5	2.9	0	22.7	87
09/02/2022 06:10	2.7	76	6	3.5	0	22.7	87
09/02/2022 06:20	2.7	70	6	3.6	0	22.8	86
09/02/2022 06:30	2.6	69	8	3.8	0	22.6	86
09/02/2022 06:40	2.8	88	8	3.7	0	22.7	86
09/02/2022 06:50	2.3	76	6	3.1	0	22.5	88
09/02/2022 07:00	3	66	7	3.7	0	22.4	88
09/02/2022 07:10	3.4	64	7	4.7	0	22.8	82
09/02/2022 07:20	3.7	75	8	4.7	0	23.5	74
09/02/2022 07:30	4.1	74	8	5.9	0	23.5	71
09/02/2022 07:40	5.6	69	9	7.3	0	23.9	63
09/02/2022 07:50	5.5	73	8	7.5	0	24.3	59
09/02/2022 08:00	3.7	64	9	5.3	0	24.4	62



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/02/2022 08:10	3.4	59	9	4.4	0	24.2	64
09/02/2022 08:20	3.4	68	11	4.9	0	24.3	65
09/02/2022 08:30	4.8	79	8	6.2	0	24.4	63
09/02/2022 08:40	5.4	73	8	7.2	0	24.8	61
09/02/2022 08:50	5.7	75	11	7.7	0	25	60
09/02/2022 09:00	6.2	76	9	8.3	0	24.9	57
09/02/2022 09:10	5.9	77	9	8.1	0	25.3	54
09/02/2022 09:20	5.9	71	10	8.3	0	25.7	54
09/02/2022 09:30	7.3	74	9	9.4	0	25.6	52
09/02/2022 09:40	6.5	69	9	8.7	0	25.7	50
09/02/2022 09:50	5.4	70	10	7.1	0	26	52
09/02/2022 10:00	5.1	69	10	6.9	0	26	55
09/02/2022 10:10	6	67	9	8.4	0	25.7	57
09/02/2022 10:20	6.2	67	8	8.1	0	25.5	59
09/02/2022 10:30	8	71	8	9.9	0	25.5	60
09/02/2022 10:40	7.8	82	7	10	0	25.7	60
09/02/2022 10:50	8.4	82	8	10.5	0	25.8	58
09/02/2022 11:00	8.5	80	7	10.7	0	26	58
09/02/2022 11:10	8.2	83	9	10.6	0	26	58
09/02/2022 11:20	8.1	82	9	10.6	0	26.3	57
09/02/2022 11:30	8.3	82	9	11.3	0	26.4	57
09/02/2022 11:40	7.5	80	9	10	0	26.3	58
09/02/2022 11:50	7	76	11	9.1	0	26.9	57
09/02/2022 12:00	7.4	66	10	10.5	0	26.5	58
09/02/2022 12:10	7.7	67	9	9.7	0	25.7	61
09/02/2022 12:20	7.4	67	10	10.4	0	26.2	60
09/02/2022 12:30	7.1	63	11	9.5	0	26.6	59
09/02/2022 12:40	6.9	67	11	8.6	0	26.2	60
09/02/2022 12:50	7	64	11	9.2	0	25.9	62
09/02/2022 13:00	7.9	57	8	10.1	0	25.8	63
09/02/2022 13:10	7.6	64	9	9.6	0	25.5	63
09/02/2022 13:20	6.8	61	9	8.7	0	25.9	63
09/02/2022 13:30	7.4	66	8	9.2	0	25.3	65
09/02/2022 13:40	7	56	10	9.2	0	25.7	65
09/02/2022 13:50	7	57	9	9.5	0	25.9	64
09/02/2022 14:00	7.8	63	9	9.8	0	25.4	66
09/02/2022 14:10	7.5	64	8	9.7	0	25.2	68
09/02/2022 14:20	8.2	62	8	10.2	0	25.4	67
09/02/2022 14:30	8.2	64	8	10.2	0	25	69
09/02/2022 14:40	7.3	65	9	9.4	0	25.4	68
09/02/2022 14:50	7.2	59	10	10.1	0	25.5	68
09/02/2022 15:00	6.5	62	8	9	0	25.4	69
09/02/2022 15:10	7.2	58	10	9.6	0	25.2	70
09/02/2022 15:20	7.1	56	8	9.1	0	25	71
09/02/2022 15:30	6.8	58	9	8.8	0	25	72
09/02/2022 15:40	6.9	58	9	9	0	24.9	72
09/02/2022 15:50	6.8	58	8	8.7	0	24.9	73
09/02/2022 16:00	6.9	58	6	8.5	0	24.7	74



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/02/2022 16:10	5.6	58	9	7.5	0	24.8	75
09/02/2022 16:20	6	51	10	8.1	0	24.9	75
09/02/2022 16:30	6	50	7	7.8	0	24.7	75
09/02/2022 16:40	5.6	57	8	7.2	0	24.5	76
09/02/2022 16:50	4.9	53	9	6.6	0	24.6	76
09/02/2022 17:00	4.5	49	8	6.1	0	24.6	77
09/02/2022 17:10	4.7	57	8	5.9	0	24.4	78
09/02/2022 17:20	4.6	55	8	5.9	0	24.4	78
09/02/2022 17:30	4.3	52	8	5.7	0	24.3	78
09/02/2022 17:40	4.2	55	7	5.4	0	24.3	79
09/02/2022 17:50	4.5	57	7	5.8	0	24.2	80
09/02/2022 18:00	4.2	56	8	5.3	0	24.1	80
09/02/2022 18:10	3.7	52	9	4.9	0	24.1	80
09/02/2022 18:20	3.7	54	7	4.8	0	24.1	81
09/02/2022 18:30	3.5	45	8	4.5	0	24.1	81
09/02/2022 18:40	3.2	39	7	4.1	0	24.3	80
09/02/2022 18:50	2.7	28	11	3.9	0	24.4	80
09/02/2022 19:00	3.9	27	8	5	0	24.5	79
09/02/2022 19:10	4.2	26	10	5.4	0	24.5	79
09/02/2022 19:20	3.6	25	8	4.9	0	24.5	79
09/02/2022 19:30	3.1	29	12	4.4	0	24.6	79
09/02/2022 19:40	3	23	13	4.5	0	24.6	79
09/02/2022 19:50	2.7	27	11	3.7	0	24.5	80
09/02/2022 20:00	2.8	31	13	3.8	0	24.5	80
09/02/2022 20:10	3	27	11	4.2	0	24.5	81
09/02/2022 20:20	3.4	23	11	4.9	0	24.4	81
09/02/2022 20:30	3.6	38	11	5.1	0	24.4	82
09/02/2022 20:40	3.8	40	9	5	0	24.4	82
09/02/2022 20:50	4.3	37	8	5.7	0	24.4	82
09/02/2022 21:00	3.9	28	10	5.7	0	24.4	83
09/02/2022 21:10	4.1	16	11	5.9	0	24.4	83
09/02/2022 21:20	3.8	15	10	5.2	0	24.3	84
09/02/2022 21:30	3.1	181	9	3.9	0	24.3	85
09/02/2022 21:40	3.6	349	9	4.6	0	24.2	85
09/02/2022 21:50	2.9	335	7	3.8	0	24.2	86
09/02/2022 22:00	4.1	178	11	5.6	0	24.2	86
09/02/2022 22:10	4.6	344	9	6	0	24.3	86
09/02/2022 22:20	3.8	352	13	5.5	0	24.2	87
09/02/2022 22:30	3.6	343	11	5	0	24.2	88
09/02/2022 22:40	3.4	341	11	4.7	0	24.2	88
09/02/2022 22:50	4.4	341	10	6	0	24.2	88
09/02/2022 23:00	4.6	346	10	6.3	0	24.2	88
09/02/2022 23:10	4.4	346	9	6.2	0	24.3	88
09/02/2022 23:20	3.7	340	9	5.3	0	24.3	89
09/02/2022 23:30	3.7	337	12	5.5	0	24.2	90
09/02/2022 23:40	3.6	329	14	5.5	0	24.1	90
09/02/2022 23:50	3.6	313	10	5.3	0	24.1	91
09/03/2022 00:00	3.8	312	13	5.7	0	24	91



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/03/2022 00:10	3.6	280	9	4.8	0	23.6	90
09/03/2022 00:20	3.3	269	11	4.5	0	23.4	90
09/03/2022 00:30	3.7	262	8	5.4	0	23.5	89
09/03/2022 00:40	4.3	258	8	5.5	0	23.6	88
09/03/2022 00:50	4	261	7	5.2	0	23.6	88
09/03/2022 01:00	4.2	259	7	6.2	0	23.5	88
09/03/2022 01:10	5.6	261	7	6.9	0	22.9	89
09/03/2022 01:20	4.2	257	8	5.7	0	22.6	90
09/03/2022 01:30	4.6	259	8	6.6	0	22.1	91
09/03/2022 01:40	4.1	256	7	5.6	0.1	22	92
09/03/2022 01:50	3.2	256	7	4.1	0	22	93
09/03/2022 02:00	3.2	259	6	3.7	0	22	93
09/03/2022 02:10	3.1	259	6	3.9	0	22	94
09/03/2022 02:20	3.1	264	7	3.9	0.1	21.9	94
09/03/2022 02:30	3.7	258	5	4.3	0	21.7	94
09/03/2022 02:40	2.9	263	6	3.4	0	21.8	94
09/03/2022 02:50	3	268	6	3.8	0	21.9	94
09/03/2022 03:00	2.7	265	8	3.7	0	22	94
09/03/2022 03:10	3.1	260	5	3.7	0	22.1	94
09/03/2022 03:20	3	261	8	3.8	0	22.2	95
09/03/2022 03:30	3.1	248	13	3.8	0	22	94
09/03/2022 03:40	3.4	260	7	4.1	0	21.9	94
09/03/2022 03:50	3.6	253	8	4.5	0	21.8	93
09/03/2022 04:00	4	244	11	5.5	0	21.9	93
09/03/2022 04:10	4.1	243	11	5.6	0	22	92
09/03/2022 04:20	4.5	239	11	6	0	22	92
09/03/2022 04:30	4.9	235	12	6.9	0.1	22.1	91
09/03/2022 04:40	5	232	10	6.8	0	21.8	92
09/03/2022 04:50	5.2	236	11	7.9	0	21.8	92
09/03/2022 05:00	4.8	235	11	6.4	0	21.7	92
09/03/2022 05:10	4.1	239	9	5.4	0	21.5	91
09/03/2022 05:20	4.3	249	11	5.6	0.1	21.3	90
09/03/2022 05:30	4	245	11	5.2	0.2	21	90
09/03/2022 05:40	3.7	253	9	5.2	0.2	20.6	91
09/03/2022 05:50	3.5	237	13	4.7	0	20.5	91
09/03/2022 06:00	3.2	250	13	4.4	0.1	20.5	91
09/03/2022 06:10	3	237	11	4	0.1	20.6	91
09/03/2022 06:20	2.9	258	8	3.9	0	20.4	92
09/03/2022 06:30	2.9	254	7	3.7	0.1	20.3	93
09/03/2022 06:40	3.9	261	8	5.6	0.1	20.2	93
09/03/2022 06:50	4.7	272	7	6.8	0.1	19.7	92
09/03/2022 07:00	3.3	285	11	5	0.1	19.8	90
09/03/2022 07:10	3.7	292	11	5.1	0	19.9	89
09/03/2022 07:20	3.2	311	12	4.6	0	20.2	86
09/03/2022 07:30	3.6	309	11	5.4	0	20.2	84
09/03/2022 07:40	3.3	301	12	5.3	0.1	20.4	82
09/03/2022 07:50	3.5	287	7	4.7	0.1	20.4	83
09/03/2022 08:00	3	294	7	4.1	0	20.4	85



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/03/2022 08:10	2.1	290	11	3.2	0.1	20.5	87
09/03/2022 08:20	2.3	267	10	3.3	0.1	20.4	89
09/03/2022 08:30	1.9	309	18	2.9	0	20.4	90
09/03/2022 08:40	3.1	304	13	4.7	0	20.4	90
09/03/2022 08:50	2.9	289	11	4.3	0	20.7	88
09/03/2022 09:00	3.1	288	10	4.2	0	20.8	88
09/03/2022 09:10	2.7	303	13	3.7	0	20.9	87
09/03/2022 09:20	2.7	313	9	4.2	0	21.1	87
09/03/2022 09:30	2.8	308	13	4.1	0.1	21.2	87
09/03/2022 09:40	2.4	312	9	3.7	0	21.4	86
09/03/2022 09:50	3.7	288	8	4.7	0	21.4	85
09/03/2022 10:00	3.8	287	8	5.3	0	21.5	83
09/03/2022 10:10	3.5	292	9	4.5	0	21.7	82
09/03/2022 10:20	4	284	9	5.2	0.1	21.9	80
09/03/2022 10:30	3.4	291	9	4.5	0	22	81
09/03/2022 10:40	3.7	286	8	4.9	0	22	82
09/03/2022 10:50	3.4	286	6	4.4	0	22.1	82
09/03/2022 11:00	3.2	290	11	4.3	0	22.5	82
09/03/2022 11:10	3.8	289	10	5.2	0	22.7	81
09/03/2022 11:20	4.3	280	12	5.5	0	23.1	81
09/03/2022 11:30	4.2	282	9	5.8	0	23.2	81
09/03/2022 11:40	4	285	12	5.4	0	23.4	80
09/03/2022 11:50	4.5	281	10	6.3	0	23.8	78
09/03/2022 12:00	4.4	269	10	6.6	0	24.2	75
09/03/2022 12:10	5.6	279	8	8	0	24.5	71
09/03/2022 12:20	5.7	263	13	7.3	0.1	24.6	68
09/03/2022 12:30	5.4	279	7	7.1	0	24.4	69
09/03/2022 12:40	5.3	273	11	7.1	0	24.8	70
09/03/2022 12:50	5.4	279	8	6.8	0	24.6	71
09/03/2022 13:00	5.9	272	8	7.3	0	24.5	69
09/03/2022 13:10	5.3	273	15	7.2	0	24.8	69
09/03/2022 13:20	5.1	281	13	7.7	0	24.7	71
09/03/2022 13:30	5.8	269	11	8.7	0	24.6	73
09/03/2022 13:40	6.6	275	8	8.8	0	24.3	73
09/03/2022 13:50	6.3	273	7	8.5	0	24.4	70
09/03/2022 14:00	6.5	272	10	8.5	0	24.3	70
09/03/2022 14:10	6.2	276	8	7.8	0	24.6	68
09/03/2022 14:20	5.3	275	11	6.7	0	24.6	68
09/03/2022 14:30	6.2	271	8	8.2	0	24.7	65
09/03/2022 14:40	5.3	262	14	7.1	0	24.9	65
09/03/2022 14:50	6.1	253	10	7.7	0	24.7	67
09/03/2022 15:00	6.6	248	8	8	0	23.9	68
09/03/2022 15:10	6.5	251	9	8.1	0	24.1	69
09/03/2022 15:20	6	260	11	7.3	0	24.3	68
09/03/2022 15:30	6	262	11	8.3	0	24.3	67
09/03/2022 15:40	6.2	257	10	8.5	0	24.2	66
09/03/2022 15:50	6.2	268	8	7.8	0	24.2	66
09/03/2022 16:00	6.3	264	10	8.1	0	24.1	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/03/2022 16:10	6.2	267	10	8.8	0	24.3	65
09/03/2022 16:20	6.6	274	9	8.5	0	24	67
09/03/2022 16:30	6.1	265	9	9	0	24.1	67
09/03/2022 16:40	6.8	262	8	8.6	0	23.8	67
09/03/2022 16:50	6.5	256	9	8.6	0	23.7	68
09/03/2022 17:00	6.5	257	9	8	0	23.5	68
09/03/2022 17:10	6	266	9	8.2	0	23.5	69
09/03/2022 17:20	5.9	263	6	7.8	0	23.3	70
09/03/2022 17:30	6.1	263	7	7.5	0	23	72
09/03/2022 17:40	4.8	261	8	6.6	0	23	73
09/03/2022 17:50	5	259	9	6.9	0	22.7	74
09/03/2022 18:00	5.1	257	8	6.8	0	22.6	74
09/03/2022 18:10	5	263	7	6.5	0	22.4	75
09/03/2022 18:20	5.8	266	7	7.1	0	22.4	74
09/03/2022 18:30	4.5	265	8	6.7	0	22.4	75
09/03/2022 18:40	5.2	269	7	7.1	0	22.3	75
09/03/2022 18:50	5.7	267	6	7.4	0	22.4	72
09/03/2022 19:00	5.5	262	9	6.7	0	22.3	72
09/03/2022 19:10	5.5	260	8	7.3	0	22.2	72
09/03/2022 19:20	5.2	260	8	7.2	0	22.1	73
09/03/2022 19:30	4.9	255	7	6.8	0	21.9	73
09/03/2022 19:40	4.4	252	7	5.6	0	21.6	73
09/03/2022 19:50	4.9	252	7	6	0	21.6	73
09/03/2022 20:00	4.2	253	8	5.7	0	21.6	73
09/03/2022 20:10	4.7	258	7	6.9	0	21.7	71
09/03/2022 20:20	4.6	251	9	6.6	0	21.5	72
09/03/2022 20:30	3.5	250	10	4.9	0	21.3	73
09/03/2022 20:40	3.9	253	7	4.9	0	20.9	74
09/03/2022 20:50	3.9	250	6	4.8	0	20.6	75
09/03/2022 21:00	3.6	252	8	4.7	0	20.6	75
09/03/2022 21:10	3.6	251	6	4.5	0	20.5	76
09/03/2022 21:20	3.4	251	8	4.4	0	20.5	76
09/03/2022 21:30	3.4	255	7	4.2	0	20.2	77
09/03/2022 21:40	2.8	262	2	3.2	0	19.9	79
09/03/2022 21:50	2.6	259	2	2.9	0	20	79
09/03/2022 22:00	2.7	259	2	3.1	0	19.9	80
09/03/2022 22:10	2.5	260	2	3	0	19.9	81
09/03/2022 22:20	2.9	254	2	3.3	0	19.8	81
09/03/2022 22:30	3	254	3	3.5	0	19.7	82
09/03/2022 22:40	2.6	262	3	3	0	19.6	82
09/03/2022 22:50	2.4	270	1	2.9	0	19.7	82
09/03/2022 23:00	2.8	265	2	3.3	0	19.7	83
09/03/2022 23:10	2.8	258	3	3.2	0	19.5	83
09/03/2022 23:20	2.9	256	5	3.6	0	19.4	84
09/03/2022 23:30	2.6	260	7	3.3	0	19.4	83
09/03/2022 23:40	2.3	262	3	2.8	0	19.4	84
09/03/2022 23:50	2.1	260	3	2.7	0	19.4	84
09/04/2022 00:00	2.5	254	2	2.9	0	19.5	84





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/04/2022 00:10	2.8	252	6	3.6	0	19.5	84
09/04/2022 00:20	2.9	253	6	3.5	0	19.3	85
09/04/2022 00:30	2.6	253	9	3.1	0	19.2	85
09/04/2022 00:40	2.8	247	10	3.9	0	19.1	86
09/04/2022 00:50	3.2	247	13	4.7	0	19.3	85
09/04/2022 01:00	3.4	253	11	4.1	0	19.2	85
09/04/2022 01:10	3.5	254	11	4.6	0	19.2	85
09/04/2022 01:20	3.5	255	12	4.6	0	19.3	85
09/04/2022 01:30	3.4	256	12	4.3	0	19.5	84
09/04/2022 01:40	3.2	259	11	4	0	19.3	84
09/04/2022 01:50	3.3	254	13	4.5	0	19.4	84
09/04/2022 02:00	3.6	251	12	4.6	0	19.4	84
09/04/2022 02:10	3.9	247	12	5	0	19.6	83
09/04/2022 02:20	3.9	249	11	5.2	0	19.7	82
09/04/2022 02:30	3.5	251	10	4.6	0	19.4	83
09/04/2022 02:40	3.4	252	10	4.8	0	19.2	84
09/04/2022 02:50	3.5	253	12	5	0	19.2	84
09/04/2022 03:00	3.5	254	13	4.8	0	19.4	83
09/04/2022 03:10	3.5	251	11	4.7	0	19.3	82
09/04/2022 03:20	3.4	250	13	4.7	0	18.9	83
09/04/2022 03:30	3.3	256	12	4.4	0	18.8	83
09/04/2022 03:40	3.6	252	14	5.1	0	18.8	83
09/04/2022 03:50	3.4	255	13	4.8	0	18.8	83
09/04/2022 04:00	3.4	256	13	4.7	0	18.7	83
09/04/2022 04:10	3.3	262	7	4.1	0	18.5	84
09/04/2022 04:20	3.6	259	9	4.8	0	18.6	84
09/04/2022 04:30	3	253	13	4.2	0	18.6	84
09/04/2022 04:40	1.3	256	14	2.7	0	18.3	85
09/04/2022 04:50	1.6	256	13	3.4	0	18	86
09/04/2022 05:00	1.9	263	12	3.3	0	17.9	86
09/04/2022 05:10	2.2	265	11	3.2	0	17.8	87
09/04/2022 05:20	1.6	263	16	2.8	0	17.7	88
09/04/2022 05:30	0	237	13	0.5	0	17.8	88
09/04/2022 05:40	0	206	7	0	0	17.8	88
09/04/2022 05:50	0.4	228	14	1	0	18.1	87
09/04/2022 06:00	0.3	228	10	1.7	0	18.3	86
09/04/2022 06:10	1	231	13	2.1	0	18.3	85
09/04/2022 06:20	0.2	231	7	1	0	18.4	83
09/04/2022 06:30	0	247	6	0	0	18.2	83
09/04/2022 06:40	0	202	3	0.1	0	18.1	83
09/04/2022 06:50	0	248	1	0.1	0	18.4	83
09/04/2022 07:00	0	264	2	0.1	0	18.7	82
09/04/2022 07:10	0	273	2	0.1	0	19.1	81
09/04/2022 07:20	0	245	2	0.1	0	19.2	81
09/04/2022 07:30	0.9	220	10	2.5	0	19.5	80
09/04/2022 07:40	0.6	199	9	1.4	0	20.2	77
09/04/2022 07:50	0.4	233	11	2.1	0	20.8	74
09/04/2022 08:00	1.9	196	13	2.9	0	20.9	71



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/04/2022 08:10	2.1	204	17	2.9	0	21.1	71
09/04/2022 08:20	2.5	204	19	3.3	0	21.4	69
09/04/2022 08:30	2.9	195	10	3.7	0	21.7	67
09/04/2022 08:40	2.3	188	16	3.1	0	21.8	66
09/04/2022 08:50	2.7	198	13	3.6	0	21.9	65
09/04/2022 09:00	2.8	183	12	3.9	0	22.1	64
09/04/2022 09:10	3.4	184	11	4.3	0	22.2	63
09/04/2022 09:20	3.2	188	14	4.4	0	22.4	63
09/04/2022 09:30	3.4	195	22	4.4	0	22.5	62
09/04/2022 09:40	3.3	208	20	4.4	0	22.8	60
09/04/2022 09:50	3.4	188	12	4.8	0	22.9	59
09/04/2022 10:00	3.3	185	15	4.7	0	22.8	59
09/04/2022 10:10	2.9	193	28	4.7	0	23.2	57
09/04/2022 10:20	3.4	191	18	4.5	0	23.4	56
09/04/2022 10:30	3.1	233	26	4.8	0	23.7	55
09/04/2022 10:40	2.9	219	31	4.5	0	24.2	54
09/04/2022 10:50	2.1	249	31	3.8	0	24.3	54
09/04/2022 11:00	2.9	219	30	5.4	0	24.8	54
09/04/2022 11:10	2.3	243	36	3.5	0	24.6	53
09/04/2022 11:20	2.7	227	23	4.2	0	24.5	53
09/04/2022 11:30	2.4	266	20	4.3	0	24.7	53
09/04/2022 11:40	2.7	263	19	4.4	0	24.8	53
09/04/2022 11:50	2	262	22	4.6	0	24.6	54
09/04/2022 12:00	2.5	305	18	4.3	0	25.2	52
09/04/2022 12:10	3.8	297	12	5.6	0	25.4	52
09/04/2022 12:20	3.5	283	14	5.6	0	25.3	53
09/04/2022 12:30	4.5	282	11	6.1	0	25	55
09/04/2022 12:40	4.5	272	12	6.4	0	25	54
09/04/2022 12:50	4.9	271	10	6.5	0	24.8	54
09/04/2022 13:00	4.4	280	14	6.3	0	25.1	54
09/04/2022 13:10	4.6	276	14	6.5	0	24.9	54
09/04/2022 13:20	5.1	279	9	7.2	0	24.8	55
09/04/2022 13:30	5.1	287	11	7.3	0	25	55
09/04/2022 13:40	4.8	290	12	6.9	0	25	55
09/04/2022 13:50	5.6	284	12	7.3	0	24.9	57
09/04/2022 14:00	6.2	287	11	8.5	0	24.5	58
09/04/2022 14:10	5.9	280	15	8.4	0	24.7	58
09/04/2022 14:20	5.1	280	13	7.3	0	25	56
09/04/2022 14:30	5.4	277	13	7.5	0	25.3	52
09/04/2022 14:40	6.3	265	12	8	0	25.1	52
09/04/2022 14:50	6.6	267	9	8.3	0	24.7	52
09/04/2022 15:00	6.9	261	9	8.8	0	24.7	53
09/04/2022 15:10	6.4	266	12	8.3	0	24.9	51
09/04/2022 15:20	6.8	260	9	9	0	24.8	49
09/04/2022 15:30	6.6	261	9	8.8	0	24.9	46
09/04/2022 15:40	6.8	267	9	8.8	0	24.9	46
09/04/2022 15:50	7	270	9	9.7	0	24.8	46
09/04/2022 16:00	6.7	261	10	8.7	0	24.8	47



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/04/2022 16:10	7.4	267	8	9.2	0	24.3	49
09/04/2022 16:20	7.6	269	8	9.7	0	24.3	49
09/04/2022 16:30	8	268	8	10.7	0	24.2	49
09/04/2022 16:40	7	272	9	9.9	0	24.3	48
09/04/2022 16:50	7.5	276	10	10	0	24.1	49
09/04/2022 17:00	7.3	275	10	9.4	0	23.7	51
09/04/2022 17:10	6.9	273	8	9	0	23.7	51
09/04/2022 17:20	7	272	7	9.1	0	23.3	54
09/04/2022 17:30	6.4	274	9	8.5	0	23.2	55
09/04/2022 17:40	6.2	272	9	8.3	0	22.9	56
09/04/2022 17:50	6.3	273	8	8.2	0	22.8	57
09/04/2022 18:00	5.5	276	10	7.2	0	22.5	59
09/04/2022 18:10	5.5	276	8	7	0	22.4	61
09/04/2022 18:20	5.1	282	12	7.5	0	22.2	63
09/04/2022 18:30	5.3	286	8	6.9	0	22.1	65
09/04/2022 18:40	5.2	288	9	6.5	0	22	66
09/04/2022 18:50	5.2	287	8	7	0	21.9	67
09/04/2022 19:00	5.4	289	8	7.1	0	21.9	67
09/04/2022 19:10	5.6	289	8	7.7	0	21.9	68
09/04/2022 19:20	6.1	290	7	7.8	0	21.9	69
09/04/2022 19:30	5.4	292	9	7.1	0	21.9	69
09/04/2022 19:40	4.8	285	7	6.3	0	21.8	70
09/04/2022 19:50	4.4	281	9	6	0	21.6	72
09/04/2022 20:00	4.4	281	7	6	0	21.7	73
09/04/2022 20:10	4.6	286	7	5.9	0	21.7	73
09/04/2022 20:20	4	281	6	5.5	0	21.8	73
09/04/2022 20:30	4.7	274	7	6.3	0	21.7	73
09/04/2022 20:40	4.7	270	7	6.1	0	21.8	71
09/04/2022 20:50	4.9	266	8	6.7	0	21.9	71
09/04/2022 21:00	4.9	268	7	6.6	0	21.8	71
09/04/2022 21:10	5	271	6	7.1	0	21.8	71
09/04/2022 21:20	4.6	268	7	6.5	0	21.8	71
09/04/2022 21:30	4.7	262	7	6.5	0	21.8	71
09/04/2022 21:40	4.1	263	8	5.4	0	21.6	72
09/04/2022 21:50	4.4	265	7	5.8	0	21.6	73
09/04/2022 22:00	4.6	268	7	6.4	0	21.7	74
09/04/2022 22:10	3.7	268	6	4.6	0	21.5	74
09/04/2022 22:20	4.4	271	7	5.6	0	21.4	75
09/04/2022 22:30	4.7	271	5	6.4	0	21.5	75
09/04/2022 22:40	4.3	269	7	5.6	0	21.5	74
09/04/2022 22:50	4.9	265	7	6.2	0	21.5	74
09/04/2022 23:00	4.5	263	8	5.7	0	21.6	74
09/04/2022 23:10	4.2	272	7	5.7	0	21.5	75
09/04/2022 23:20	4.5	271	7	5.8	0	21.4	75
09/04/2022 23:30	4.5	267	7	5.6	0	21.4	75
09/04/2022 23:40	4	266	7	5.4	0	21.3	76
09/04/2022 23:50	4.6	268	7	6	0	21.3	76
09/05/2022 00:00	5.5	268	7	7.3	0	21.4	75



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/05/2022 00:10	4.8	263	7	5.9	0	21.4	75
09/05/2022 00:20	3.9	252	5	5.4	0	20.7	78
09/05/2022 00:30	4	249	7	5.3	0	20.4	80
09/05/2022 00:40	3.8	251	6	4.6	0	20	82
09/05/2022 00:50	3.9	250	6	4.9	0	19.9	83
09/05/2022 01:00	3.2	257	3	3.6	0	19.4	84
09/05/2022 01:10	3.2	254	4	3.8	0	19.4	86
09/05/2022 01:20	2.9	252	8	3.9	0	19.6	86
09/05/2022 01:30	2.7	262	5	3.3	0	19.5	85
09/05/2022 01:40	2.6	271	4	3.4	0	19.3	86
09/05/2022 01:50	3.2	272	4	3.7	0	19.4	86
09/05/2022 02:00	3.1	268	4	3.6	0	19.3	86
09/05/2022 02:10	2.9	264	5	3.6	0	19.2	86
09/05/2022 02:20	2.6	258	6	3.2	0	19.2	86
09/05/2022 02:30	2.6	256	13	3.3	0	19.3	86
09/05/2022 02:40	2.6	260	15	3.8	0	19.2	86
09/05/2022 02:50	2.8	268	8	3.4	0	19.2	86
09/05/2022 03:00	3.1	268	3	3.5	0	19	87
09/05/2022 03:10	3.3	261	5	3.9	0	18.9	88
09/05/2022 03:20	3.3	256	8	4.1	0	18.8	88
09/05/2022 03:30	3.2	263	8	4	0	18.9	88
09/05/2022 03:40	3.1	272	5	3.6	0	18.9	89
09/05/2022 03:50	2.7	260	6	3.5	0	18.8	89
09/05/2022 04:00	3	263	6	3.8	0	18.6	89
09/05/2022 04:10	3.3	270	5	4	0	18.5	90
09/05/2022 04:20	3.2	265	5	3.9	0	18.5	89
09/05/2022 04:30	3.5	270	4	4	0	18.4	90
09/05/2022 04:40	3.6	270	4	4.1	0	18.4	90
09/05/2022 04:50	3.7	265	6	4.5	0	18.4	90
09/05/2022 05:00	3.9	267	3	4.3	0	18.3	90
09/05/2022 05:10	3.9	267	3	4.4	0	18.2	90
09/05/2022 05:20	3.3	262	3	3.9	0	18.3	89
09/05/2022 05:30	3.6	258	6	4.5	0	18.2	90
09/05/2022 05:40	3.3	263	5	3.8	0	18	90
09/05/2022 05:50	3.4	262	3	3.9	0	17.8	90
09/05/2022 06:00	2.8	260	2	3.2	0	17.6	91
09/05/2022 06:10	2.8	258	3	3.2	0	17.6	91
09/05/2022 06:20	2.6	257	3	3.1	0	17.5	92
09/05/2022 06:30	2.4	263	4	3.1	0	17.6	92
09/05/2022 06:40	2.6	262	3	3.1	0	17.9	92
09/05/2022 06:50	2.5	257	3	3.1	0	18.2	91
09/05/2022 07:00	2.3	255	2	3	0	18.5	91
09/05/2022 07:10	2.2	257	5	3.1	0	18.9	90
09/05/2022 07:20	2.3	258	6	3.1	0	19.2	89
09/05/2022 07:30	2	253	11	3.1	0	19.6	87
09/05/2022 07:40	2.4	251	16	3.4	0	20	85
09/05/2022 07:50	2.3	252	16	3.1	0	20.5	82
09/05/2022 08:00	2.6	252	12	3.6	0	20.9	80



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/05/2022 08:10	2.6	259	12	3.4	0	21	80
09/05/2022 08:20	3	260	10	4	0	21.3	78
09/05/2022 08:30	3.1	253	13	4.1	0	21.8	74
09/05/2022 08:40	3	254	12	4.1	0	21.8	73
09/05/2022 08:50	2.8	260	12	3.8	0	21.8	75
09/05/2022 09:00	2.9	238	15	4.1	0	22	72
09/05/2022 09:10	2.4	224	16	3.7	0	22.5	70
09/05/2022 09:20	3.4	244	11	4.6	0	22.6	66
09/05/2022 09:30	3.4	242	13	4.7	0	23.2	64
09/05/2022 09:40	2.9	237	10	4	0	23.1	63
09/05/2022 09:50	3.3	229	10	4.4	0	23.4	61
09/05/2022 10:00	3.9	260	20	6.4	0	24	59
09/05/2022 10:10	5.1	297	16	6.8	0	23.3	69
09/05/2022 10:20	4.8	279	11	6.3	0	23.6	64
09/05/2022 10:30	4.6	283	7	6	0	23.5	65
09/05/2022 10:40	4.4	285	11	5.7	0	23.5	67
09/05/2022 10:50	4	277	15	6.3	0	23.5	66
09/05/2022 11:00	4	272	11	5.2	0	23.7	64
09/05/2022 11:10	4.3	272	10	5.4	0	23.9	60
09/05/2022 11:20	4.5	268	10	5.8	0	24	60
09/05/2022 11:30	4.3	260	14	5.9	0	24.3	58
09/05/2022 11:40	4.6	257	12	6.4	0	24.4	58
09/05/2022 11:50	4.7	271	12	6.2	0	24.5	59
09/05/2022 12:00	4.8	267	11	6.1	0	24.6	57
09/05/2022 12:10	4.3	273	9	5.4	0	24.8	55
09/05/2022 12:20	4.2	262	16	5.6	0	25.2	52
09/05/2022 12:30	4.3	270	10	6.3	0	25.3	49
09/05/2022 12:40	4.2	285	13	6.3	0	25.4	48
09/05/2022 12:50	5	273	14	6.6	0	25.3	52
09/05/2022 13:00	4.7	275	12	6.2	0	24.9	52
09/05/2022 13:10	5.3	271	13	7.2	0	25.4	49
09/05/2022 13:20	5.4	264	11	7	0	25.3	51
09/05/2022 13:30	5.3	264	10	7.1	0	25.4	50
09/05/2022 13:40	5.6	258	9	7.7	0	25.5	50
09/05/2022 13:50	6.3	278	10	8.2	0	25.6	53
09/05/2022 14:00	6.8	269	11	8.7	0	25.6	51
09/05/2022 14:10	7.6	269	10	10	0	26.2	42
09/05/2022 14:20	7.9	268	11	10.4	0	25.6	49
09/05/2022 14:30	8	266	7	10	0	25.4	49
09/05/2022 14:40	7.8	269	11	9.9	0	25.1	51
09/05/2022 14:50	8.4	267	8	10.7	0	24.8	53
09/05/2022 15:00	8.3	268	10	11	0	24.9	54
09/05/2022 15:10	7.6	267	10	9.9	0	25.1	57
09/05/2022 15:20	8	269	9	10.4	0	24.7	58
09/05/2022 15:30	7.2	275	9	10.2	0	24.4	56
09/05/2022 15:40	7.3	275	11	9.4	0	24.5	55
09/05/2022 15:50	7.8	272	9	10.2	0	24.5	56
09/05/2022 16:00	7.1	271	12	9.5	0	24.6	57



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/05/2022 16:10	7.6	274	8	9.8	0	24.3	58
09/05/2022 16:20	6.7	282	11	9.5	0	24.4	56
09/05/2022 16:30	6.4	272	9	8.4	0	24.6	53
09/05/2022 16:40	7.2	269	9	9.9	0	24.5	53
09/05/2022 16:50	7.6	269	10	10.2	0	24.2	54
09/05/2022 17:00	7.8	275	8	10.5	0	23.9	58
09/05/2022 17:10	6.5	280	10	8.5	0	23.8	60
09/05/2022 17:20	7	276	10	10	0	23.5	62
09/05/2022 17:30	6.5	272	10	9.4	0	23.3	64
09/05/2022 17:40	6.6	267	8	9	0	23.2	65
09/05/2022 17:50	7.2	264	8	10.7	0	22.9	67
09/05/2022 18:00	7.1	269	8	9.3	0	22.6	69
09/05/2022 18:10	7.9	265	7	10	0	22.5	68
09/05/2022 18:20	7.4	265	7	9.9	0	22.5	66
09/05/2022 18:30	7.7	265	8	10.8	0	22.5	65
09/05/2022 18:40	7.2	265	7	9.7	0	22.5	67
09/05/2022 18:50	7	259	9	9.2	0	22.5	65
09/05/2022 19:00	6.8	259	8	9.6	0	22.4	66
09/05/2022 19:10	6.6	259	8	9.5	0	22.3	68
09/05/2022 19:20	7.7	257	9	10.8	0	22.3	67
09/05/2022 19:30	7.1	259	8	9.9	0	22.3	68
09/05/2022 19:40	6.9	258	8	9	0	22.3	68
09/05/2022 19:50	6.1	255	8	8.2	0	22.2	68
09/05/2022 20:00	6	253	8	8.3	0	22.2	68
09/05/2022 20:10	6.2	254	7	8.2	0	22.1	68
09/05/2022 20:20	6.7	251	8	8.5	0	22.2	67
09/05/2022 20:30	5.9	250	9	7.5	0	22.1	68
09/05/2022 20:40	5.9	250	8	8	0	22	69
09/05/2022 20:50	6.4	249	8	8.7	0	22	69
09/05/2022 21:00	6.4	249	9	8.2	0	21.9	69
09/05/2022 21:10	5.9	251	9	8.2	0	21.8	70
09/05/2022 21:20	6	252	8	7.6	0	21.7	71
09/05/2022 21:30	5.7	251	9	8.2	0	21.6	71
09/05/2022 21:40	6	249	7	8.2	0	21.7	70
09/05/2022 21:50	6.3	249	8	8.5	0	21.7	70
09/05/2022 22:00	5.6	249	8	7.5	0	21.6	71
09/05/2022 22:10	5.5	250	8	7.2	0	21.6	72
09/05/2022 22:20	5.5	250	9	7.3	0	21.6	72
09/05/2022 22:30	5.4	249	9	7.6	0	21.5	71
09/05/2022 22:40	5.1	249	8	6.6	0	21.3	71
09/05/2022 22:50	6.2	252	9	8	0	21.3	71
09/05/2022 23:00	5.8	250	8	7.8	0	21.2	70
09/05/2022 23:10	5.5	251	9	7.7	0	21	70
09/05/2022 23:20	5.5	249	10	7.2	0	21	68
09/05/2022 23:30	5	250	8	6.5	0	20.6	69
09/05/2022 23:40	4.9	251	9	6.2	0	20.3	69
09/05/2022 23:50	4.1	248	10	5.4	0	20.2	68
09/06/2022 00:00	4.3	246	10	5.8	0	20.2	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/06/2022 00:10	4.6	243	11	6.2	0	20.4	65
09/06/2022 00:20	4.5	243	13	6.6	0	20.4	64
09/06/2022 00:30	4.4	241	12	6.5	0	20.2	65
09/06/2022 00:40	4.8	244	11	6.7	0	20.3	64
09/06/2022 00:50	4.4	247	10	5.8	0	20	65
09/06/2022 01:00	4.3	250	9	5.6	0	19.5	67
09/06/2022 01:10	4.2	248	11	6	0	19.6	67
09/06/2022 01:20	4.3	250	10	5.7	0	19.4	67
09/06/2022 01:30	4.5	240	10	6.3	0	19.8	65
09/06/2022 01:40	4.5	244	13	6.6	0	19.8	65
09/06/2022 01:50	4.8	240	13	6.9	0	19.8	65
09/06/2022 02:00	5.4	236	12	7.1	0	19.9	65
09/06/2022 02:10	4.9	239	12	7.7	0	19.7	64
09/06/2022 02:20	5.4	236	12	7.8	0	19.7	64
09/06/2022 02:30	5.2	237	12	8.1	0	19.7	65
09/06/2022 02:40	4.9	241	13	7	0	19.5	64
09/06/2022 02:50	5.3	240	13	7.7	0	19.5	65
09/06/2022 03:00	4.7	237	13	7.3	0	19.5	64
09/06/2022 03:10	4.6	227	14	7.1	0	19.6	64
09/06/2022 03:20	4.4	214	13	6.5	0	19.4	65
09/06/2022 03:30	5	212	13	7.4	0	19.3	64
09/06/2022 03:40	4.4	220	13	6.4	0	19.3	64
09/06/2022 03:50	3.9	223	19	6.4	0	19.1	65
09/06/2022 04:00	2.6	238	21	4.7	0	18.8	66
09/06/2022 04:10	2.9	256	20	5	0	18.1	67
09/06/2022 04:20	2.8	266	14	4	0	17.6	70
09/06/2022 04:30	2.9	268	11	4.3	0	17.5	71
09/06/2022 04:40	2.6	270	14	3.5	0	17.4	71
09/06/2022 04:50	2.7	269	12	4.1	0	17.5	70
09/06/2022 05:00	3.3	273	12	4.5	0	17.4	70
09/06/2022 05:10	4.4	275	6	5.8	0	17.7	70
09/06/2022 05:20	4	269	7	5.1	0	17.6	70
09/06/2022 05:30	4	271	7	5.3	0	17.4	70
09/06/2022 05:40	3.9	278	6	4.9	0	17.3	71
09/06/2022 05:50	4.2	279	7	5.3	0	17.4	70
09/06/2022 06:00	3.6	283	7	4.6	0	17.5	70
09/06/2022 06:10	2.6	276	10	3.5	0	17.3	70
09/06/2022 06:20	2.4	279	12	3.6	0	17.1	71
09/06/2022 06:30	2	283	14	2.8	0	17.2	70
09/06/2022 06:40	2.8	290	11	3.8	0	17.4	69
09/06/2022 06:50	3.8	284	12	5.2	0	17.8	67
09/06/2022 07:00	4.2	255	9	5.4	0	17.8	68
09/06/2022 07:10	3.6	266	9	4.5	0	17.9	69
09/06/2022 07:20	4	247	7	4.9	0	18.1	68
09/06/2022 07:30	4.1	248	11	5.7	0	18.4	67
09/06/2022 07:40	4.2	256	9	5.5	0	18.6	66
09/06/2022 07:50	4	257	10	5.8	0	18.9	64
09/06/2022 08:00	4.6	252	7	5.6	0	19.2	61



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/06/2022 08:10	4.7	251	10	5.9	0	19.5	59
09/06/2022 08:20	4.4	252	10	5.5	0	19.7	58
09/06/2022 08:30	4.2	244	11	5.6	0	20.1	56
09/06/2022 08:40	3.7	242	16	5	0	20.5	54
09/06/2022 08:50	3.9	235	12	5.1	0	20.7	52
09/06/2022 09:00	3.3	225	22	5.1	0	21.1	52
09/06/2022 09:10	4.6	204	11	6.3	0	21.2	52
09/06/2022 09:20	5.3	203	8	6.9	0	21.1	53
09/06/2022 09:30	5	200	8	6.5	0	21.5	51
09/06/2022 09:40	4.5	201	9	6.2	0	22.1	49
09/06/2022 09:50	3.7	195	13	5.3	0	22.4	47
09/06/2022 10:00	3.6	212	15	5.3	0	23.4	42
09/06/2022 10:10	3.9	214	22	5.8	0	23.7	40
09/06/2022 10:20	4.7	226	16	5.9	0	23.7	40
09/06/2022 10:30	4.2	220	17	5.9	0	24.3	39
09/06/2022 10:40	4.5	222	18	6.8	0	23.8	40
09/06/2022 10:50	3.9	230	24	6	0	24.4	39
09/06/2022 11:00	4.9	239	19	6.9	0	24.3	41
09/06/2022 11:10	4.3	266	13	7.1	0	24.2	43
09/06/2022 11:20	4.7	281	12	6.7	0	24.6	44
09/06/2022 11:30	4.5	284	16	6.3	0	24.7	44
09/06/2022 11:40	5.3	281	15	7.5	0	24.7	42
09/06/2022 11:50	5.4	274	12	6.8	0	24.7	42
09/06/2022 12:00	5.6	281	13	7.4	0	24.9	42
09/06/2022 12:10	6	272	11	7.6	0	24.9	42
09/06/2022 12:20	6.1	277	11	8.5	0	24.8	40
09/06/2022 12:30	6.2	272	10	8.2	0	24.7	41
09/06/2022 12:40	6.5	273	9	8.5	0	24.8	40
09/06/2022 12:50	7	274	10	8.8	0	25	41
09/06/2022 13:00	6.6	278	8	8.5	0	25	38
09/06/2022 13:10	6.7	277	9	8.8	0	24.8	38
09/06/2022 13:20	6.5	269	10	8.5	0	24.8	41
09/06/2022 13:30	6.6	272	10	8.2	0	24.8	42
09/06/2022 13:40	6.5	275	9	8.5	0	24.8	43
09/06/2022 13:50	7	274	8	8.9	0	24.9	43
09/06/2022 14:00	7.1	269	11	9.2	0	25.2	44
09/06/2022 14:10	7.8	270	7	9.8	0	24.9	46
09/06/2022 14:20	8.3	273	8	10.4	0	24.8	47
09/06/2022 14:30	8	276	10	10.3	0	24.8	48
09/06/2022 14:40	8.3	273	8	11.1	0	24.6	53
09/06/2022 14:50	8.4	273	9	10.7	0	24.3	54
09/06/2022 15:00	8.1	268	10	10.3	0	24.4	55
09/06/2022 15:10	8.5	264	10	10.9	0	24.4	55
09/06/2022 15:20	8.4	268	9	11.3	0	24.3	55
09/06/2022 15:30	8.9	272	9	11.5	0	24.1	56
09/06/2022 15:40	8.3	264	10	11.6	0	24.1	58
09/06/2022 15:50	8.1	265	9	11.2	0	24.1	57
09/06/2022 16:00	9.6	263	7	11.9	0	23.6	59





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/06/2022 16:10	9.2	267	9	12.3	0	23.5	59
09/06/2022 16:20	8.7	269	10	11.3	0	23.5	60
09/06/2022 16:30	8.9	269	8	11.4	0	23.4	59
09/06/2022 16:40	8.5	266	9	11.8	0	23.3	60
09/06/2022 16:50	8.2	268	8	10.8	0	23.2	61
09/06/2022 17:00	9.2	263	8	12.1	0	23	60
09/06/2022 17:10	8.7	262	8	11.1	0	22.8	62
09/06/2022 17:20	8	269	10	10.8	0	22.6	63
09/06/2022 17:30	7	262	9	9.7	0	22.6	63
09/06/2022 17:40	7.3	268	8	10.2	0	22.4	65
09/06/2022 17:50	7.3	265	10	9.8	0	22.2	64
09/06/2022 18:00	7.6	261	9	10	0	22	63
09/06/2022 18:10	7.4	268	9	9.8	0	21.9	64
09/06/2022 18:20	7.2	265	8	10.2	0	21.8	63
09/06/2022 18:30	7.1	262	8	9.1	0	21.8	64
09/06/2022 18:40	6.4	259	9	8.6	0	21.8	64
09/06/2022 18:50	6.6	259	8	9.4	0	21.8	63
09/06/2022 19:00	6.5	259	10	9.1	0	21.9	62
09/06/2022 19:10	6.2	259	7	8	0	21.9	62
09/06/2022 19:20	6.9	260	9	9.2	0	22	61
09/06/2022 19:30	6.5	258	7	9.1	0	22	62
09/06/2022 19:40	5.8	258	9	7.6	0	22	64
09/06/2022 19:50	4.9	250	8	6.4	0	21.8	66
09/06/2022 20:00	5.2	251	8	6.9	0	21.8	65
09/06/2022 20:10	4.7	251	7	6.1	0	21.6	66
09/06/2022 20:20	4.2	252	5	5.1	0	21.5	64
09/06/2022 20:30	4	251	6	4.7	0	21.3	59
09/06/2022 20:40	3.7	253	6	4.7	0	21.3	53
09/06/2022 20:50	3.7	255	5	4.3	0	21.2	50
09/06/2022 21:00	3.9	252	7	4.9	0	21.3	48
09/06/2022 21:10	3.8	250	9	4.6	0	21.2	48
09/06/2022 21:20	4	249	10	5.2	0	21.1	47
09/06/2022 21:30	3.8	253	9	5	0	21	47
09/06/2022 21:40	3.8	251	8	4.9	0	20.7	47
09/06/2022 21:50	3.8	244	10	5.3	0	20.9	47
09/06/2022 22:00	3.6	256	8	4.3	0	20.3	48
09/06/2022 22:10	3.8	256	9	4.9	0	20.2	49
09/06/2022 22:20	3.7	254	8	4.8	0	20.2	49
09/06/2022 22:30	3.7	264	6	4.2	0	19.8	50
09/06/2022 22:40	3.6	265	5	4.1	0	19.8	50
09/06/2022 22:50	3.6	260	6	4.4	0	19.7	51
09/06/2022 23:00	3.8	255	9	4.7	0	19.7	51
09/06/2022 23:10	3.7	251	8	5.1	0	19.7	51
09/06/2022 23:20	3.5	250	11	4.6	0	19.3	52
09/06/2022 23:30	3.6	252	11	4.8	0	19.4	51
09/06/2022 23:40	3.4	255	11	4.4	0	19.3	52
09/06/2022 23:50	3.6	250	13	5	0	19	53
09/07/2022 00:00	3.4	252	15	4.9	0	19.2	53



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/07/2022 00:10	3.6	247	14	4.7	0	19.5	52
09/07/2022 00:20	2.9	251	14	4.5	0	19.4	52
09/07/2022 00:30	3.5	246	15	5.7	0	19.4	52
09/07/2022 00:40	3	240	15	4.3	0	19.5	52
09/07/2022 00:50	3.8	233	13	5.4	0	20	51
09/07/2022 01:00	4.1	228	12	5.8	0	20.5	49
09/07/2022 01:10	4.5	236	11	5.9	0	20.4	49
09/07/2022 01:20	4	224	11	5.5	0	20.4	50
09/07/2022 01:30	3.9	225	12	5.3	0	20.3	50
09/07/2022 01:40	4	232	13	6	0	20.3	49
09/07/2022 01:50	3.5	233	14	5.1	0	20	50
09/07/2022 02:00	3.4	220	15	4.6	0	20	50
09/07/2022 02:10	3.6	212	14	5.4	0	20	50
09/07/2022 02:20	4.9	204	9	6.5	0	19.8	49
09/07/2022 02:30	4	201	8	5.4	0	19.4	50
09/07/2022 02:40	4	200	8	5.5	0	19.3	50
09/07/2022 02:50	3.9	201	9	5.1	0	19.2	50
09/07/2022 03:00	3.7	201	8	4.8	0	18.9	50
09/07/2022 03:10	3.5	202	11	5.1	0	18.8	50
09/07/2022 03:20	3.5	203	9	4.5	0	19	49
09/07/2022 03:30	3.3	204	10	4.3	0	19	49
09/07/2022 03:40	3.8	208	9	5.3	0	19	49
09/07/2022 03:50	3.1	203	11	4.6	0	18.8	50
09/07/2022 04:00	2.9	192	10	4	0	18.6	51
09/07/2022 04:10	3.1	190	8	4.3	0	18.6	51
09/07/2022 04:20	2.9	192	9	4	0	18.5	52
09/07/2022 04:30	3.1	189	10	4.1	0	18.3	53
09/07/2022 04:40	3.4	192	9	4.6	0	18.3	53
09/07/2022 04:50	3	190	9	4.5	0	18.1	53
09/07/2022 05:00	2.8	189	9	4.1	0	17.9	54
09/07/2022 05:10	3.1	192	10	4.2	0	17.8	54
09/07/2022 05:20	3.2	196	9	4.5	0	17.9	54
09/07/2022 05:30	3	197	9	4.4	0	17.7	55
09/07/2022 05:40	3.1	195	10	4.6	0	17.7	54
09/07/2022 05:50	3	197	9	4	0	17.7	54
09/07/2022 06:00	2.9	200	9	3.6	0	17.8	53
09/07/2022 06:10	2.7	196	10	3.7	0	17.7	53
09/07/2022 06:20	2.3	183	12	3.2	0	17.6	53
09/07/2022 06:30	2.2	182	12	3.1	0	17.6	53
09/07/2022 06:40	2.4	186	11	3.5	0	17.7	52
09/07/2022 06:50	1.8	191	9	2.6	0	17.8	53
09/07/2022 07:00	2.3	197	9	3.3	0	18.1	52
09/07/2022 07:10	2.9	205	9	3.5	0	18.4	52
09/07/2022 07:20	2.7	200	10	4	0	18.7	52
09/07/2022 07:30	3.5	197	9	4.7	0	19	51
09/07/2022 07:40	3.6	195	11	5.1	0	19.1	50
09/07/2022 07:50	3.6	193	11	4.8	0	19.2	49
09/07/2022 08:00	4	188	8	5.3	0	19.6	47



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/07/2022 08:10	3.6	186	10	5.3	0	20	46
09/07/2022 08:20	4.3	184	12	6.4	0	20.1	46
09/07/2022 08:30	5.1	185	10	6.8	0	20.2	46
09/07/2022 08:40	4.6	187	12	6.3	0	20.7	45
09/07/2022 08:50	4.8	188	11	6.5	0	21.1	43
09/07/2022 09:00	4.4	173	12	6.4	0	21.1	43
09/07/2022 09:10	4.2	176	12	6.4	0	21.5	43
09/07/2022 09:20	4.4	167	16	7.2	0	21.5	42
09/07/2022 09:30	4.9	172	14	6.7	0	21.5	41
09/07/2022 09:40	4.3	170	14	6.1	0	21.7	40
09/07/2022 09:50	3.7	142	15	5.4	0	22.1	40
09/07/2022 10:00	3.9	163	14	5.4	0	22.1	40
09/07/2022 10:10	3.5	159	21	5.5	0	22.3	39
09/07/2022 10:20	2.9	154	19	4.1	0	22.5	39
09/07/2022 10:30	2.7	130	26	4	0	23	38
09/07/2022 10:40	3.2	95	23	4.6	0	23.3	37
09/07/2022 10:50	2.1	104	19	3.8	0	24	35
09/07/2022 11:00	2.8	96	31	4.4	0	23.9	35
09/07/2022 11:10	2.7	71	24	4.4	0	23.8	35
09/07/2022 11:20	2.5	117	17	3.8	0	24.4	33
09/07/2022 11:30	1.9	156	28	3.7	0	24.2	33
09/07/2022 11:40	1.9	137	20	3.7	0	24.3	32
09/07/2022 11:50	1.8	109	28	3.2	0	25.2	31
09/07/2022 12:00	1.9	168	22	4	0	25	33
09/07/2022 12:10	3.1	170	26	4.5	0	24.6	34
09/07/2022 12:20	2.6	160	20	4	0	24.7	34
09/07/2022 12:30	3.7	329	19	5.4	0	24.8	33
09/07/2022 12:40	3	317	18	5.4	0	24.7	33
09/07/2022 12:50	2.5	324	25	4	0	24.7	33
09/07/2022 13:00	3.1	331	24	4.7	0	25.2	32
09/07/2022 13:10	3.2	330	16	4.8	0	25	32
09/07/2022 13:20	3.5	325	15	4.9	0	25	31
09/07/2022 13:30	3.6	338	14	6.5	0	24.8	31
09/07/2022 13:40	3.7	343	19	5.9	0	25	31
09/07/2022 13:50	3.5	353	11	5.2	0	25.1	31
09/07/2022 14:00	3.8	332	10	5.9	0	25.1	30
09/07/2022 14:10	3.9	316	16	5.5	0	25	32
09/07/2022 14:20	4	324	10	5.2	0	24.9	33
09/07/2022 14:30	4.2	348	12	6.4	0	24.9	35
09/07/2022 14:40	4.8	339	14	6.6	0	24.6	35
09/07/2022 14:50	4.4	337	12	5.9	0	24.6	34
09/07/2022 15:00	4.3	340	12	6.2	0	24.7	35
09/07/2022 15:10	4.8	337	11	6.5	0	24.1	39
09/07/2022 15:20	5	341	13	7	0	24	40
09/07/2022 15:30	4.8	339	13	7.2	0	23.9	41
09/07/2022 15:40	5.1	343	12	6.9	0	23.8	41
09/07/2022 15:50	5.3	339	11	7.6	0	23.6	42
09/07/2022 16:00	5.1	340	12	6.7	0	23.4	42



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/07/2022 16:10	5.2	335	12	6.9	0	23.3	43
09/07/2022 16:20	4.4	327	14	6.1	0	23.5	43
09/07/2022 16:30	4.4	324	12	6	0	23.4	43
09/07/2022 16:40	4.7	333	13	6.4	0	23.2	43
09/07/2022 16:50	4	332	11	5.8	0	23.3	43
09/07/2022 17:00	4.6	325	9	6.1	0	23	43
09/07/2022 17:10	5	324	8	6.6	0	22.8	44
09/07/2022 17:20	4.5	325	10	6.5	0	22.8	45
09/07/2022 17:30	4.5	329	10	6.1	0	22.6	46
09/07/2022 17:40	4.8	323	9	6	0	22.4	45
09/07/2022 17:50	4.1	321	9	5.5	0	22.3	45
09/07/2022 18:00	4.4	324	8	5.4	0	22	46
09/07/2022 18:10	3.5	320	9	4.8	0	21.9	46
09/07/2022 18:20	3.4	322	11	5.5	0	21.9	45
09/07/2022 18:30	3.8	317	8	5	0	21.8	46
09/07/2022 18:40	3.3	315	13	4.6	0	21.8	46
09/07/2022 18:50	3.7	310	10	4.8	0	21.8	46
09/07/2022 19:00	3.5	306	8	4.8	0	21.8	46
09/07/2022 19:10	3.1	290	8	3.9	0	21.7	48
09/07/2022 19:20	3.3	289	8	4.6	0	21.6	49
09/07/2022 19:30	3.1	283	9	4.4	0	21.4	50
09/07/2022 19:40	2.8	281	6	4.1	0	21	50
09/07/2022 19:50	3.7	272	7	5.2	0	20.9	51
09/07/2022 20:00	3.8	271	8	5.2	0	21	52
09/07/2022 20:10	3.8	271	6	5	0	21.1	52
09/07/2022 20:20	3.6	271	7	4.7	0	20.9	54
09/07/2022 20:30	3.6	272	5	4.5	0	20.8	55
09/07/2022 20:40	3.8	268	6	4.9	0	20.8	56
09/07/2022 20:50	3.9	269	6	5.2	0	20.9	57
09/07/2022 21:00	4	269	7	5.5	0	20.7	57
09/07/2022 21:10	4.2	268	7	5.1	0	20.9	57
09/07/2022 21:20	4.4	268	6	5.6	0	20.9	57
09/07/2022 21:30	4.5	269	6	5.8	0	21	58
09/07/2022 21:40	4.4	269	6	5.7	0	21	59
09/07/2022 21:50	3.7	269	6	4.9	0	20.6	61
09/07/2022 22:00	4.7	265	6	5.7	0	20.9	59
09/07/2022 22:10	4.4	265	6	5.4	0	21	59
09/07/2022 22:20	4.1	263	6	5.3	0	20.9	60
09/07/2022 22:30	4.3	266	6	5.4	0	20.8	61
09/07/2022 22:40	3.8	268	6	4.9	0	20.8	61
09/07/2022 22:50	4	262	6	4.9	0	20.8	62
09/07/2022 23:00	3.5	255	4	4.1	0	20.3	66
09/07/2022 23:10	3.5	252	4	4.1	0	19.6	69
09/07/2022 23:20	3.5	253	5	4.3	0	19.4	70
09/07/2022 23:30	3.7	252	4	4.2	0	19.3	71
09/07/2022 23:40	4.2	251	4	4.8	0	19.3	72
09/07/2022 23:50	4	255	4	4.5	0	19.2	73
09/08/2022 00:00	3.8	257	4	4.4	0	19.4	74



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/08/2022 00:10	4.2	260	7	5.5	0	19.9	75
09/08/2022 00:20	4.8	259	7	6	0	20	74
09/08/2022 00:30	5.9	266	7	7.5	0	20.5	72
09/08/2022 00:40	5.5	262	7	7	0	20.6	72
09/08/2022 00:50	4.9	266	7	6.3	0	20.5	72
09/08/2022 01:00	5.7	267	7	7.6	0	20.5	71
09/08/2022 01:10	5.4	268	7	6.3	0	20.6	70
09/08/2022 01:20	4.8	266	6	6	0	20.5	71
09/08/2022 01:30	5.1	264	7	7.1	0	20.4	71
09/08/2022 01:40	4.7	260	7	6	0	20.4	73
09/08/2022 01:50	4.6	258	6	6.2	0	20.4	74
09/08/2022 02:00	5.4	259	7	6.9	0	20.4	73
09/08/2022 02:10	4.4	256	6	5.7	0	20.3	73
09/08/2022 02:20	3.9	251	8	5	0	19.8	75
09/08/2022 02:30	3.9	256	5	4.5	0	19.2	76
09/08/2022 02:40	3.4	257	5	4	0	18.9	77
09/08/2022 02:50	3.5	258	3	3.9	0	18.8	78
09/08/2022 03:00	3.3	260	2	3.8	0	18.6	79
09/08/2022 03:10	3.4	260	2	3.8	0	18.5	80
09/08/2022 03:20	3.1	260	2	3.7	0	18.3	81
09/08/2022 03:30	2.2	257	8	3.1	0	18.5	81
09/08/2022 03:40	1.9	255	10	2.7	0	18.8	80
09/08/2022 03:50	2.2	261	9	3.1	0	19	80
09/08/2022 04:00	0.8	241	8	2.2	0	19	79
09/08/2022 04:10	0.8	251	19	2.4	0	19.1	80
09/08/2022 04:20	0.8	260	7	1.4	0	18.9	80
09/08/2022 04:30	1.2	273	11	2.2	0	18.8	80
09/08/2022 04:40	1.3	265	7	2.2	0	19	80
09/08/2022 04:50	0	192	2	0	0	18.4	81
09/08/2022 05:00	0.6	113	7	1.5	0	17.4	82
09/08/2022 05:10	1.4	48	4	2.6	0	17.3	85
09/08/2022 05:20	2	49	9	2.7	0	17.3	86
09/08/2022 05:30	2.3	41	8	2.8	0	17.4	86
09/08/2022 05:40	0.2	76	6	1.1	0	17.6	86
09/08/2022 05:50	0	77	0	0	0	17.6	86
09/08/2022 06:00	1.1	87	11	2.2	0	17.7	86
09/08/2022 06:10	0.3	101	5	1	0	17.8	86
09/08/2022 06:20	1.3	113	18	2.6	0	17.8	87
09/08/2022 06:30	2.7	115	6	3.5	0	18.1	88
09/08/2022 06:40	2.7	117	9	4	0	18.4	87
09/08/2022 06:50	2	112	13	3.1	0	18.6	87
09/08/2022 07:00	1.6	119	17	2.9	0	18.7	86
09/08/2022 07:10	2	118	15	3	0	19.1	84
09/08/2022 07:20	2.8	111	7	3.5	0	19.3	82
09/08/2022 07:30	3	113	6	3.7	0	19.6	81
09/08/2022 07:40	2.8	107	11	3.7	0	20	80
09/08/2022 07:50	2.8	110	11	3.6	0	20.4	79
09/08/2022 08:00	2.7	123	11	3.5	0	20.4	79



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/08/2022 08:10	2.3	119	10	3	0	20.8	78
09/08/2022 08:20	2.3	112	11	3.3	0	21.2	76
09/08/2022 08:30	2.3	117	12	3.1	0	21.3	76
09/08/2022 08:40	2.5	111	12	3.2	0	21.6	75
09/08/2022 08:50	2.7	113	11	3.3	0	21.8	73
09/08/2022 09:00	2.7	113	11	3.6	0	21.8	73
09/08/2022 09:10	2.7	113	10	3.7	0	22	73
09/08/2022 09:20	2.6	99	12	3.6	0	22.1	73
09/08/2022 09:30	2.2	106	19	3	0	22.4	72
09/08/2022 09:40	2.2	119	18	3.1	0	22.9	69
09/08/2022 09:50	2.7	132	13	3.4	0	23	64
09/08/2022 10:00	2.9	133	11	3.7	0	23.1	61
09/08/2022 10:10	2.9	99	21	4.2	0	23.4	58
09/08/2022 10:20	3.1	83	14	4.3	0	23.9	54
09/08/2022 10:30	2.9	103	17	4.2	0	24.6	52
09/08/2022 10:40	3.2	103	13	4.7	0	24.6	51
09/08/2022 10:50	3.4	80	13	4.9	0	24.1	52
09/08/2022 11:00	3.4	90	16	4.6	0	24.4	53
09/08/2022 11:10	3.9	91	14	5.4	0	24.5	52
09/08/2022 11:20	3.8	90	14	5.2	0	24.4	49
09/08/2022 11:30	3.2	89	15	4.8	0	25.3	48
09/08/2022 11:40	3.8	65	8	4.8	0	24.8	47
09/08/2022 11:50	4.1	70	9	5.5	0	24.6	46
09/08/2022 12:00	4.3	75	9	5.8	0	24.8	45
09/08/2022 12:10	4.4	80	10	6.3	0	25.5	42
09/08/2022 12:20	5.1	79	10	6.7	0	25	40
09/08/2022 12:30	5.1	75	9	6.9	0	24.8	40
09/08/2022 12:40	5.5	82	6	6.7	0	25	39
09/08/2022 12:50	5.4	72	8	6.9	0	25	37
09/08/2022 13:00	5.3	70	9	6.7	0	24.9	38
09/08/2022 13:10	5.1	76	9	7	0	24.9	38
09/08/2022 13:20	4.3	69	13	5.9	0	25.4	38
09/08/2022 13:30	4.3	71	13	6.3	0	26	37
09/08/2022 13:40	4.9	67	13	6.3	0	25.4	37
09/08/2022 13:50	5.1	51	10	6.8	0	25.4	35
09/08/2022 14:00	4.8	54	10	6.3	0	25	38
09/08/2022 14:10	4.5	58	12	6.5	0	25.2	40
09/08/2022 14:20	4.5	61	15	5.9	0	25.3	41
09/08/2022 14:30	5	72	13	6.6	0	25	43
09/08/2022 14:40	4.7	67	13	6.6	0	25.1	41
09/08/2022 14:50	4.1	56	12	5.5	0	25.2	42
09/08/2022 15:00	4	58	11	5	0	25.2	43
09/08/2022 15:10	3.9	58	12	5	0	25	42
09/08/2022 15:20	3.6	62	14	5	0	25.4	44
09/08/2022 15:30	2.9	59	17	5.4	0	25.5	45
09/08/2022 15:40	4	69	12	5.3	0	25.1	48
09/08/2022 15:50	3.3	61	13	4.5	0	25.3	48
09/08/2022 16:00	3.5	63	15	4.6	0	25.1	47



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/08/2022 16:10	3.2	50	14	4.2	0	25.2	47
09/08/2022 16:20	3.3	44	10	4.2	0	24.9	47
09/08/2022 16:30	3.1	40	16	4.1	0	24.8	47
09/08/2022 16:40	2.9	19	19	4.5	0	24.7	50
09/08/2022 16:50	2.3	185	17	3.5	0	24.7	52
09/08/2022 17:00	2.8	21	12	3.9	0	24.6	51
09/08/2022 17:10	3.1	17	11	3.9	0	24.4	52
09/08/2022 17:20	3.6	9	8	4.5	0	24.1	52
09/08/2022 17:30	3.1	6	10	4.1	0	23.8	55
09/08/2022 17:40	2.7	7	8	4.1	0	23.7	55
09/08/2022 17:50	3.3	183	8	4.1	0	23.4	54
09/08/2022 18:00	3.2	0	11	4.2	0	23.1	55
09/08/2022 18:10	2.9	182	10	4.1	0	23	54
09/08/2022 18:20	2.9	5	7	3.8	0	22.9	53
09/08/2022 18:30	2.3	344	12	3.4	0	22.8	53
09/08/2022 18:40	2.8	325	10	3.9	0	22.5	56
09/08/2022 18:50	2.5	322	7	3.9	0	22.5	57
09/08/2022 19:00	3.5	327	7	4.4	0	22.4	56
09/08/2022 19:10	3.4	324	7	4.6	0	22.4	56
09/08/2022 19:20	3.8	329	8	4.8	0	22.4	55
09/08/2022 19:30	3.5	325	7	4.2	0	22.4	55
09/08/2022 19:40	3.5	327	7	4.2	0	22.3	56
09/08/2022 19:50	3.7	325	6	4.7	0	22.3	60
09/08/2022 20:00	3.2	319	9	4.3	0	22.1	64
09/08/2022 20:10	3.9	317	7	5	0	22.1	67
09/08/2022 20:20	3.3	313	8	4.3	0	22.1	68
09/08/2022 20:30	3.1	318	9	4.2	0	22	68
09/08/2022 20:40	3.2	319	9	4.7	0	22	68
09/08/2022 20:50	3	315	9	4.5	0	22	68
09/08/2022 21:00	3.2	308	7	4	0	22.1	69
09/08/2022 21:10	3.3	305	11	4.3	0	22	72
09/08/2022 21:20	3.3	303	9	4.5	0	22	71
09/08/2022 21:30	3.3	302	11	4.9	0	21.9	72
09/08/2022 21:40	3.4	282	9	4.1	0	21.8	73
09/08/2022 21:50	3.5	277	5	4.4	0	21.5	75
09/08/2022 22:00	3.6	266	5	4.6	0	21.4	76
09/08/2022 22:10	3.7	261	5	4.7	0	21.5	77
09/08/2022 22:20	3.1	265	6	3.8	0	21.3	78
09/08/2022 22:30	3.2	266	7	4.4	0	21.3	78
09/08/2022 22:40	2.4	283	13	3.5	0	21.1	79
09/08/2022 22:50	2.2	296	7	3	0	21.3	79
09/08/2022 23:00	2	293	8	2.8	0	21.1	79
09/08/2022 23:10	2	308	6	2.7	0	21.2	79
09/08/2022 23:20	2.3	300	10	3.2	0	21.4	79
09/08/2022 23:30	2.4	292	6	3	0	21.6	79
09/08/2022 23:40	2.4	303	11	3.6	0	21.5	78
09/08/2022 23:50	2.7	301	9	4.2	0	21.6	77
09/09/2022 00:00	2.2	290	7	3.1	0	21.5	77



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/09/2022 00:10	2.2	294	8	3	0	21.5	78
09/09/2022 00:20	2.4	301	9	3.2	0	21.6	77
09/09/2022 00:30	2.9	297	11	3.9	0	21.6	74
09/09/2022 00:40	3	308	10	4.5	0	21.7	72
09/09/2022 00:50	3.1	291	10	4.3	0	21.6	73
09/09/2022 01:00	3	292	8	3.8	0	21.7	73
09/09/2022 01:10	3.2	299	12	4.7	0	21.7	73
09/09/2022 01:20	3.1	297	12	4.3	0	21.7	73
09/09/2022 01:30	3.2	287	8	4.2	0	21.6	74
09/09/2022 01:40	3.2	288	7	4	0	21.6	74
09/09/2022 01:50	3	289	8	3.9	0	21.5	74
09/09/2022 02:00	3.1	279	10	4.1	0	21.2	75
09/09/2022 02:10	2.7	271	8	3.6	0	21	76
09/09/2022 02:20	3.3	268	8	4.3	0	21	76
09/09/2022 02:30	3.9	266	7	5.3	0	21.2	75
09/09/2022 02:40	3.6	265	8	4.7	0	21.2	74
09/09/2022 02:50	3.4	267	6	4.4	0	21.1	74
09/09/2022 03:00	3.3	266	6	4.2	0	21	74
09/09/2022 03:10	3	268	6	3.9	0	20.9	75
09/09/2022 03:20	3.1	269	6	3.9	0	21	76
09/09/2022 03:30	2.8	268	5	3.6	0	20.9	76
09/09/2022 03:40	3.3	267	5	4	0	20.8	77
09/09/2022 03:50	3.3	271	6	4.1	0	20.8	76
09/09/2022 04:00	3.6	270	7	4.4	0	20.9	76
09/09/2022 04:10	3.5	272	8	4.5	0	21	75
09/09/2022 04:20	3.4	277	8	4.4	0	21.1	75
09/09/2022 04:30	3.2	277	6	4.3	0	21.2	76
09/09/2022 04:40	3	278	6	4.1	0	21.3	76
09/09/2022 04:50	2.7	272	6	3.5	0	21.2	77
09/09/2022 05:00	2.4	277	5	3.2	0	21.1	77
09/09/2022 05:10	2.3	255	7	3.2	0	21	77
09/09/2022 05:20	2.5	245	12	3.4	0	20.9	77
09/09/2022 05:30	0.3	242	7	1.3	0	20.9	77
09/09/2022 05:40	0.6	251	10	2.1	0	20.7	77
09/09/2022 05:50	1.4	256	7	2.8	0	20.6	78
09/09/2022 06:00	1.1	288	10	2.1	0	20.4	78
09/09/2022 06:10	1.1	314	9	2.7	0	20.6	79
09/09/2022 06:20	1.6	294	5	2.6	0	20.8	78
09/09/2022 06:30	1.2	267	5	2.5	0	20.8	78
09/09/2022 06:40	0	273	0	0.1	0	20.7	79
09/09/2022 06:50	0	290	0	0	0	20.7	80
09/09/2022 07:00	0	290	0	0.2	0	20.7	79
09/09/2022 07:10	0	276	2	0	0	20.7	80
09/09/2022 07:20	0	272	0	0.2	0	20.9	79
09/09/2022 07:30	0	335	7	0.4	0	21	79
09/09/2022 07:40	1.1	111	7	2.5	0	20.7	80
09/09/2022 07:50	1.7	105	9	2.8	0	21.1	80
09/09/2022 08:00	1.5	112	13	2.4	0	22.4	76





# Yara Pilbara Nitrates- Western Boundary 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/09/2022 08:10	1.3	139	15	3.2	0	23.2	71
09/09/2022 08:20	2.1	180	12	3.1	0	22.4	72
09/09/2022 08:30	0.7	199	14	2.6	0	22.5	72
09/09/2022 08:40	0.6	246	24	1.9	0	22.6	71
09/09/2022 08:50	1.2	335	4	2.3	0	22.6	71
09/09/2022 09:00	1.1	286	15	2.2	0	22.4	71
09/09/2022 09:10	1.4	284	11	2.5	0	22.4	72
09/09/2022 09:20	1	287	24	2.2	0	22.5	72
09/09/2022 09:30	0.6	162	5	1.8	0	23.1	69
09/09/2022 09:40	2.3	268	16	3.6	0	23.4	67
09/09/2022 09:50	2.4	236	20	3.6	0	23.6	66
09/09/2022 10:00	3.3	270	12	4.4	0	23.6	66
09/09/2022 10:10	2.6	283	21	3.8	0	23.6	66
09/09/2022 10:20	3.3	290	12	4.4	0	23.7	66
09/09/2022 10:30	3	280	13	4.8	0	23.8	66
09/09/2022 10:40	3.3	280	12	5	0	24	64
09/09/2022 10:50	3.6	287	16	4.9	0	24.5	61
09/09/2022 11:00	4.2	312	10	5.5	0	24.4	59
09/09/2022 11:10	3.8	306	15	5.9	0	24.4	59
09/09/2022 11:20	3.5	301	16	5.6	0	24.6	59
09/09/2022 11:30	3.9	302	17	5.7	0	24.8	58
09/09/2022 11:40	4.1	273	14	5.7	0	25	58
09/09/2022 11:50	4	274	17	6	0	24.9	57
09/09/2022 12:00	3.9	250	15	5.6	0	24.8	59
09/09/2022 12:10	3.7	245	18	5.2	0	25.1	57
09/09/2022 12:20	3.7	282	19	5.3	0	25.1	57
09/09/2022 12:30	3.6	256	24	5.8	0	24.9	57
09/09/2022 12:40	4	263	16	6	0	24.9	57
09/09/2022 12:50	4.1	276	12	6.2	0	24.8	58
09/09/2022 13:00	4.2	276	14	5.9	0	24.7	58
09/09/2022 13:10	4.6	259	19	6.2	0	25	58
09/09/2022 13:20	4.7	269	11	7.1	0	24.6	60
09/09/2022 13:30	5.2	267	15	7.2	0	25.1	57
09/09/2022 13:40	5.2	262	11	6.8	0	25.2	57
09/09/2022 13:50	5.3	267	17	6.9	0	24.9	57
09/09/2022 14:00	5.3	267	16	6.9	0	25	53
09/09/2022 14:10	5.2	256	12	7.4	0	24.9	54
09/09/2022 14:20	5.9	257	7	7.3	0	24.5	55
09/09/2022 14:30	5.4	263	10	6.6	0	24.8	55
09/09/2022 14:40	5.3	262	9	6.7	0	24.6	56
09/09/2022 14:50	5.2	262	13	6.9	0	24.4	57
09/09/2022 15:00	5.7	265	12	7.5	0	24.4	57
09/09/2022 15:10	6.2	265	7	7.6	0	24	62
09/09/2022 15:20	6.3	271	10	7.6	0	23.8	62
09/09/2022 15:30	6.4	263	7	8.2	0	24	53
09/09/2022 15:40	6.5	260	8	8.1	0	23.8	52
09/09/2022 15:50	6	266	11	7.5	0	23.7	54
09/09/2022 16:00	5.3	272	9	7	0	23.5	57



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/09/2022 16:10	5.7	270	8	7.6	0	23.3	57
09/09/2022 16:20	6.3	268	7	7.7	0	23.3	53
09/09/2022 16:30	6.2	270	9	8	0	23.5	55
09/09/2022 16:40	5.9	267	9	7.7	0	23.4	57
09/09/2022 16:50	6.2	267	10	8.2	0	23.4	59
09/09/2022 17:00	6.3	271	10	8.2	0	23.1	62
09/09/2022 17:10	6.1	266	10	8.2	0	23	64
09/09/2022 17:20	6.3	267	8	8.5	0	23	65
09/09/2022 17:30	6	266	9	7.9	0	22.9	65
09/09/2022 17:40	6.2	265	9	8.4	0	22.8	66
09/09/2022 17:50	6.4	262	9	8.7	0	22.7	64
09/09/2022 18:00	6.1	265	7	8.1	0	22.7	64
09/09/2022 18:10	6.1	263	8	8.2	0	22.7	64
09/09/2022 18:20	6.3	265	8	8.3	0	22.6	64
09/09/2022 18:30	6.1	264	8	7.9	0	22.6	66
09/09/2022 18:40	5.4	264	8	7.4	0	22.5	66
09/09/2022 18:50	5.8	262	8	7.3	0	22.4	65
09/09/2022 19:00	5.4	264	8	7.1	0	22.4	65
09/09/2022 19:10	5	268	8	7.1	0	22.3	66
09/09/2022 19:20	4.8	271	7	6.4	0	22.2	66
09/09/2022 19:30	5.3	271	7	6.9	0	22.2	67
09/09/2022 19:40	4.4	272	8	6	0	22.1	67
09/09/2022 19:50	5.2	269	8	7.3	0	22.1	68
09/09/2022 20:00	6.4	259	8	8.7	0	22.2	69
09/09/2022 20:10	6.8	258	8	8.6	0	22.1	68
09/09/2022 20:20	5.9	258	8	7.6	0	22	69
09/09/2022 20:30	6.8	259	8	8.9	0	21.9	69
09/09/2022 20:40	6.8	257	7	8.9	0	22	69
09/09/2022 20:50	6.5	261	7	9	0	21.9	70
09/09/2022 21:00	6.3	259	8	8.6	0	21.9	70
09/09/2022 21:10	6.3	259	8	8.7	0	21.9	70
09/09/2022 21:20	6.4	261	8	8.3	0	21.9	70
09/09/2022 21:30	6.6	258	8	8.5	0	21.8	71
09/09/2022 21:40	6.6	256	9	9.3	0	21.8	73
09/09/2022 21:50	6.4	262	8	8.1	0	21.7	74
09/09/2022 22:00	5.9	259	8	7.5	0	21.7	74
09/09/2022 22:10	5.4	260	9	7.7	0	21.6	75
09/09/2022 22:20	4.4	256	8	5.8	0	21.5	76
09/09/2022 22:30	4.9	254	7	6.2	0	21.4	77
09/09/2022 22:40	5.6	253	7	7.4	0	21.5	77
09/09/2022 22:50	5.1	252	8	6.3	0	21.5	77
09/09/2022 23:00	4.8	252	7	6.4	0	21.5	77
09/09/2022 23:10	4.4	251	7	6.2	0	21.4	78
09/09/2022 23:20	4.1	251	7	4.9	0	21.3	78
09/09/2022 23:30	3.5	251	8	4.9	0	21.2	79
09/09/2022 23:40	3.9	254	5	4.7	0	20.8	79
09/09/2022 23:50	3.5	256	4	4.1	0	20.3	81
09/10/2022 00:00	3.8	257	4	4.3	0	20.3	82



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/10/2022 00:10	4	256	5	4.6	0	20.3	82
09/10/2022 00:20	3.8	257	7	5	0	20.2	83
09/10/2022 00:30	3.7	253	7	4.8	0	20.1	83
09/10/2022 00:40	3.5	256	7	4.7	0	20	84
09/10/2022 00:50	3.9	255	7	4.9	0	19.9	84
09/10/2022 01:00	3.9	255	8	5	0	20.1	84
09/10/2022 01:10	3.7	250	9	4.9	0	20.1	84
09/10/2022 01:20	3.6	243	12	5	0	20.4	83
09/10/2022 01:30	3.9	243	12	5.2	0	20.4	82
09/10/2022 01:40	4.3	239	13	5.8	0	20.6	81
09/10/2022 01:50	4.4	239	12	6.7	0	20.7	80
09/10/2022 02:00	4.6	237	11	6.7	0	20.6	81
09/10/2022 02:10	5.2	239	13	6.8	0	20.4	81
09/10/2022 02:20	5.5	239	12	8.5	0	20.3	80
09/10/2022 02:30	5.5	241	12	8.1	0	20.2	79
09/10/2022 02:40	5	238	12	7.3	0	20.2	78
09/10/2022 02:50	4.6	236	12	6.4	0	20.2	78
09/10/2022 03:00	4.9	237	12	6.7	0	20	78
09/10/2022 03:10	5.1	236	11	7.7	0	20.1	78
09/10/2022 03:20	4.8	236	13	6.5	0	20.1	77
09/10/2022 03:30	4.6	237	12	6.7	0	20	78
09/10/2022 03:40	5.3	234	12	7.2	0	20	78
09/10/2022 03:50	5.7	233	11	7.7	0	20	78
09/10/2022 04:00	5.5	235	10	7.5	0	19.9	79
09/10/2022 04:10	5.2	236	12	7.5	0	19.8	80
09/10/2022 04:20	4.8	239	12	6.4	0	19.6	81
09/10/2022 04:30	4.2	250	11	5.9	0	19.2	82
09/10/2022 04:40	4	251	9	5.2	0	18.7	83
09/10/2022 04:50	4	248	11	5.2	0	18.6	83
09/10/2022 05:00	4.1	253	8	5.3	0	18.4	84
09/10/2022 05:10	4.1	249	7	5.4	0	18.2	84
09/10/2022 05:20	3.8	246	11	5.1	0	18.3	84
09/10/2022 05:30	4.1	247	11	5.7	0	18.5	83
09/10/2022 05:40	3.8	254	10	5.2	0	18.3	82
09/10/2022 05:50	3.6	244	11	5.2	0	18.2	81
09/10/2022 06:00	4.3	239	12	6.4	0	18.9	77
09/10/2022 06:10	4.2	236	13	6.2	0	19	76
09/10/2022 06:20	4	238	13	5.3	0	18.9	78
09/10/2022 06:30	3.7	238	15	5.2	0	18.7	78
09/10/2022 06:40	3.4	239	17	4.9	0	18.7	78
09/10/2022 06:50	3.9	242	13	5.8	0	18.8	78
09/10/2022 07:00	5	235	10	6.4	0	19.2	75
09/10/2022 07:10	4.2	232	12	5.5	0	19.4	74
09/10/2022 07:20	4	234	11	5.4	0	19.7	73
09/10/2022 07:30	4.2	230	13	6.3	0	19.8	72
09/10/2022 07:40	4.1	233	12	5.5	0	19.9	71
09/10/2022 07:50	3.9	232	13	5.6	0	20.2	69
09/10/2022 08:00	3.8	230	14	5	0	20.5	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/10/2022 08:10	3.8	224	14	5.6	0	21	65
09/10/2022 08:20	4.4	231	13	5.4	0	21.2	62
09/10/2022 08:30	4.4	223	15	6	0	21.5	60
09/10/2022 08:40	4.2	223	15	6.1	0	22	58
09/10/2022 08:50	4.3	219	15	6.4	0	22.4	55
09/10/2022 09:00	4.3	228	12	6.4	0	22.7	54
09/10/2022 09:10	5.9	228	9	7.9	0	22.6	55
09/10/2022 09:20	5.7	235	9	8.1	0	22.7	53
09/10/2022 09:30	5.5	229	12	7.3	0	22.9	52
09/10/2022 09:40	5.9	233	9	8.1	0	23.2	50
09/10/2022 09:50	6.2	228	12	8.3	0	23.4	49
09/10/2022 10:00	5.5	227	14	7.8	0	23.7	49
09/10/2022 10:10	5.2	230	15	7.3	0	23.7	48
09/10/2022 10:20	6	252	11	8.9	0	24.4	45
09/10/2022 10:30	5	242	12	6.6	0	24.7	44
09/10/2022 10:40	5	251	12	7.9	0	24.9	43
09/10/2022 10:50	4.9	261	12	7	0	24.6	47
09/10/2022 11:00	4.4	284	13	6.3	0	24.9	47
09/10/2022 11:10	5.2	277	9	7	0	24.8	48
09/10/2022 11:20	5.6	273	10	6.9	0	25	48
09/10/2022 11:30	6	272	8	7.2	0	24.9	47
09/10/2022 11:40	6	268	8	7.7	0	25	46
09/10/2022 11:50	6.9	271	6	8.5	0	24.8	46
09/10/2022 12:00	6.9	267	8	8.3	0	24.7	45
09/10/2022 12:10	6.5	273	8	8.1	0	24.8	47
09/10/2022 12:20	6.5	276	8	8	0	25	45
09/10/2022 12:30	6.4	271	11	8.3	0	25.4	45
09/10/2022 12:40	6.8	276	7	8.4	0	25.3	44
09/10/2022 12:50	6.8	268	12	8.5	0	25.3	46
09/10/2022 13:00	6.2	270	12	8	0	25.3	48
09/10/2022 13:10	6.2	271	12	8.7	0	25.8	46
09/10/2022 13:20	6.8	268	11	8.8	0	25.4	47
09/10/2022 13:30	7.2	273	8	9	0	25	48
09/10/2022 13:40	7	275	10	9	0	25.2	46
09/10/2022 13:50	6.8	273	8	8.8	0	25.2	47
09/10/2022 14:00	7	265	9	8.8	0	25.4	48
09/10/2022 14:10	7.1	271	9	8.8	0	25.3	47
09/10/2022 14:20	7.2	271	8	9	0	24.9	52
09/10/2022 14:30	7.1	270	8	9	0	24.9	51
09/10/2022 14:40	6.8	267	10	8.6	0	25.1	50
09/10/2022 14:50	6.3	269	10	8.2	0	25.4	52
09/10/2022 15:00	7	263	7	8.7	0	25.2	52
09/10/2022 15:10	7.4	267	9	9.5	0	24.9	53
09/10/2022 15:20	7.2	267	8	8.8	0	25.1	52
09/10/2022 15:30	6.7	264	9	8.5	0	25.3	51
09/10/2022 15:40	6.9	267	11	8.9	0	25.1	53
09/10/2022 15:50	6.9	265	9	8.6	0	25	56
09/10/2022 16:00	7	268	8	9.3	0	24.8	56



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/10/2022 16:10	6.9	259	8	9	0	24.8	55
09/10/2022 16:20	8.1	266	6	9.9	0	24.4	56
09/10/2022 16:30	7.2	263	7	9.3	0	24.4	59
09/10/2022 16:40	6.8	268	9	8.9	0	24.4	60
09/10/2022 16:50	6.4	263	10	8.4	0	24.3	61
09/10/2022 17:00	7.5	265	8	9.4	0	24	60
09/10/2022 17:10	7.9	267	6	9.8	0	23.7	60
09/10/2022 17:20	6.8	269	8	9.3	0	23.7	61
09/10/2022 17:30	6.9	268	8	9.2	0	23.4	62
09/10/2022 17:40	7.1	267	8	9.3	0	23.2	63
09/10/2022 17:50	6.9	272	9	9.3	0	23	64
09/10/2022 18:00	6.6	267	8	8.8	0	22.7	66
09/10/2022 18:10	7	268	8	9	0	22.6	67
09/10/2022 18:20	7.1	268	7	8.9	0	22.5	68
09/10/2022 18:30	7.1	265	8	9.3	0	22.4	68
09/10/2022 18:40	7.1	265	7	9.6	0	22.4	68
09/10/2022 18:50	5.7	269	8	7.9	0	22.3	68
09/10/2022 19:00	6.1	266	7	7.8	0	22.3	68
09/10/2022 19:10	6.7	265	8	8.4	0	22.3	68
09/10/2022 19:20	6.4	261	8	8.5	0	22.2	70
09/10/2022 19:30	5.7	261	9	7.8	0	22.1	71
09/10/2022 19:40	6.4	258	7	8.8	0	22.1	72
09/10/2022 19:50	6.4	259	8	8.4	0	22	73
09/10/2022 20:00	6.2	257	7	7.8	0	21.9	73
09/10/2022 20:10	5.9	255	9	8	0	21.7	74
09/10/2022 20:20	6.5	258	7	8.2	0	21.7	74
09/10/2022 20:30	6.2	258	7	7.8	0	21.7	74
09/10/2022 20:40	5.3	258	7	7	0	21.6	74
09/10/2022 20:50	6.3	259	7	8.2	0	21.6	74
09/10/2022 21:00	6.6	259	8	8.2	0	21.7	73
09/10/2022 21:10	6.6	254	8	8.5	0	21.6	74
09/10/2022 21:20	6.3	258	7	7.9	0	21.5	74
09/10/2022 21:30	5.4	256	8	8.1	0	21.3	74
09/10/2022 21:40	5.7	257	8	7.7	0	21.2	74
09/10/2022 21:50	6.5	257	6	8.5	0	21.3	73
09/10/2022 22:00	6.3	258	9	8.5	0	21.2	73
09/10/2022 22:10	6.5	257	8	8.2	0	21.1	73
09/10/2022 22:20	6.4	254	8	8.2	0	20.9	73
09/10/2022 22:30	6.4	252	8	8.7	0	20.9	73
09/10/2022 22:40	5.7	252	9	7.1	0	20.7	72
09/10/2022 22:50	5.9	257	7	7.3	0	20.4	73
09/10/2022 23:00	6	259	6	7.5	0	20.3	74
09/10/2022 23:10	5.3	258	6	6.6	0	20.3	74
09/10/2022 23:20	5.4	257	8	6.5	0	20.1	75
09/10/2022 23:30	5	262	6	6.1	0	20.1	75
09/10/2022 23:40	4.7	264	6	6	0	19.9	76
09/10/2022 23:50	4.4	271	6	5.7	0	19.9	77
09/11/2022 00:00	4	281	8	5	0	19.9	77



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/11/2022 00:10	4.1	279	7	5.2	0	19.9	77
09/11/2022 00:20	4.2	273	6	5.3	0	19.8	77
09/11/2022 00:30	4.3	266	5	5.5	0	19.7	77
09/11/2022 00:40	4	260	7	5	0	19.7	77
09/11/2022 00:50	2.7	258	8	3.9	0	19.7	77
09/11/2022 01:00	2.8	258	7	3.6	0	19.5	77
09/11/2022 01:10	3.1	255	4	3.6	0	19.4	78
09/11/2022 01:20	2.4	254	6	3.5	0	19.1	78
09/11/2022 01:30	1.5	237	8	3	0	19.1	78
09/11/2022 01:40	4	272	5	4.8	0	19.1	78
09/11/2022 01:50	3.4	270	6	4.1	0	19.1	78
09/11/2022 02:00	2.8	274	6	3.4	0	19.2	78
09/11/2022 02:10	2.1	251	20	2.9	0	19.1	78
09/11/2022 02:20	1.3	266	9	2.7	0	19.3	78
09/11/2022 02:30	2.3	274	7	3.3	0	19.6	76
09/11/2022 02:40	1.9	269	10	2.9	0	19.4	77
09/11/2022 02:50	1.7	258	7	3.2	0	19.1	78
09/11/2022 03:00	2.5	246	7	3.1	0	18.8	80
09/11/2022 03:10	2.5	246	7	3	0	18.5	80
09/11/2022 03:20	2.4	263	12	3.2	0	18.3	81
09/11/2022 03:30	1.4	271	5	2.8	0	18.2	82
09/11/2022 03:40	1.5	230	17	2.6	0	19	78
09/11/2022 03:50	1.7	191	14	2.9	0	19.8	70
09/11/2022 04:00	0	155	1	0.2	0	19.1	72
09/11/2022 04:10	0	173	4	0	0	18.9	72
09/11/2022 04:20	0	155	3	0	0	19.2	70
09/11/2022 04:30	1	117	7	2.3	0	19.8	66
09/11/2022 04:40	0.7	146	7	1.4	0	19.6	65
09/11/2022 04:50	1.1	171	15	2.7	0	20.3	61
09/11/2022 05:00	1	171	14	2.5	0	20.3	60
09/11/2022 05:10	1.7	159	13	3.6	0	20.5	58
09/11/2022 05:20	1.1	150	9	2.2	0	20.5	58
09/11/2022 05:30	1.4	177	13	2.7	0	20.1	58
09/11/2022 05:40	2.3	165	10	3.4	0	20.5	56
09/11/2022 05:50	2.3	156	12	3.2	0	20.6	55
09/11/2022 06:00	2.4	164	14	3.5	0	20.7	54
09/11/2022 06:10	1.5	157	15	2.8	0	20.3	56
09/11/2022 06:20	2.4	169	10	3.5	0	20.2	56
09/11/2022 06:30	1.9	172	14	3	0	20.2	55
09/11/2022 06:40	2.3	162	16	3.5	0	20.5	54
09/11/2022 06:50	1.8	162	12	2.9	0	20.9	52
09/11/2022 07:00	0.1	99	1	1	0	21.5	50
09/11/2022 07:10	0.7	105	4	1.3	0	22.3	48
09/11/2022 07:20	2.1	118	9	2.8	0	22.7	45
09/11/2022 07:30	2.3	125	10	3.1	0	23	44
09/11/2022 07:40	2.3	127	11	3.1	0	23	44
09/11/2022 07:50	2.6	127	11	3.4	0	23.2	43
09/11/2022 08:00	2.8	111	10	3.8	0	23	45



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/11/2022 08:10	2.8	112	10	3.5	0	22.7	48
09/11/2022 08:20	2.7	113	12	3.9	0	22.8	49
09/11/2022 08:30	2.8	107	9	3.7	0	23.1	51
09/11/2022 08:40	2.5	107	12	4	0	23.2	53
09/11/2022 08:50	2.7	107	13	3.7	0	23.4	53
09/11/2022 09:00	3.2	111	9	4.3	0	23.6	51
09/11/2022 09:10	3.8	113	8	4.5	0	23.5	50
09/11/2022 09:20	3.7	110	7	4.7	0	24	47
09/11/2022 09:30	3.1	109	11	4.3	0	24.6	47
09/11/2022 09:40	3.3	96	13	4.3	0	24.9	46
09/11/2022 09:50	3.4	104	16	5.1	0	25.2	44
09/11/2022 10:00	4	82	9	5.9	0	25.2	43
09/11/2022 10:10	4.1	86	12	5.4	0	25.7	42
09/11/2022 10:20	4.6	72	11	7.3	0	26.2	40
09/11/2022 10:30	5.4	72	8	7	0	25.9	40
09/11/2022 10:40	5.6	75	8	7.2	0	25.8	40
09/11/2022 10:50	5.6	71	9	7.5	0	25.9	40
09/11/2022 11:00	6	76	10	8.2	0	26.1	40
09/11/2022 11:10	6.4	79	8	8.1	0	26	41
09/11/2022 11:20	6.5	76	7	8.2	0	25.9	43
09/11/2022 11:30	6.1	76	9	7.8	0	26.2	44
09/11/2022 11:40	6.4	83	7	7.8	0	26.2	44
09/11/2022 11:50	6	83	7	7.2	0	26.1	45
09/11/2022 12:00	6.3	81	8	7.9	0	26.1	46
09/11/2022 12:10	5.8	71	12	7.4	0	26.4	45
09/11/2022 12:20	5.3	71	14	6.8	0	26.7	46
09/11/2022 12:30	5.2	76	11	6.5	0	26.7	46
09/11/2022 12:40	5.7	55	11	7.3	0	26.3	47
09/11/2022 12:50	5.7	48	9	7.5	0	26.3	48
09/11/2022 13:00	5.7	50	8	7.4	0	26.4	47
09/11/2022 13:10	5.5	55	8	6.7	0	26.5	47
09/11/2022 13:20	5.7	46	8	7.2	0	26.5	48
09/11/2022 13:30	5.9	54	10	7.7	0	26.8	46
09/11/2022 13:40	5.6	62	9	7.5	0	27	46
09/11/2022 13:50	5.4	55	10	7.2	0	27.2	47
09/11/2022 14:00	6.2	52	8	7.6	0	26.7	47
09/11/2022 14:10	5.4	48	11	6.6	0	26.9	47
09/11/2022 14:20	5.9	50	10	7.7	0	26.7	46
09/11/2022 14:30	5.2	46	10	6.6	0	26.9	47
09/11/2022 14:40	5.3	51	10	6.8	0	26.9	47
09/11/2022 14:50	5.1	56	9	6.5	0	27.2	46
09/11/2022 15:00	5.6	54	9	6.8	0	27.2	45
09/11/2022 15:10	5.5	58	10	7.5	0	27.4	44
09/11/2022 15:20	5.6	56	9	7.3	0	27.5	44
09/11/2022 15:30	6	61	7	7.4	0	27.3	45
09/11/2022 15:40	5.4	40	13	7.4	0	27.8	44
09/11/2022 15:50	5.3	6	10	7.4	0	28	43
09/11/2022 16:00	6.5	6	7	7.9	0	27.3	47



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/11/2022 16:10	5.7	6	9	7.6	0	27.5	46
09/11/2022 16:20	5.6	9	11	7.3	0	27.4	47
09/11/2022 16:30	5.9	7	8	7.4	0	26.9	52
09/11/2022 16:40	5.5	180	9	7.2	0	26.3	57
09/11/2022 16:50	4.6	353	13	6.3	0	26.3	59
09/11/2022 17:00	4.4	351	15	5.9	0	25.9	61
09/11/2022 17:10	4.2	338	9	5.5	0	25.5	64
09/11/2022 17:20	3.9	337	14	5.7	0	25.3	64
09/11/2022 17:30	4.4	347	14	5.8	0	25.2	63
09/11/2022 17:40	4.8	342	7	6	0	24.7	66
09/11/2022 17:50	4.8	345	7	6	0	24.3	68
09/11/2022 18:00	4.5	342	7	5.5	0	24	71
09/11/2022 18:10	4.5	340	7	5.8	0	23.9	72
09/11/2022 18:20	4.2	337	9	5.4	0	23.8	75
09/11/2022 18:30	4	341	9	5	0	23.6	76
09/11/2022 18:40	4.2	338	8	5.9	0	23.5	76
09/11/2022 18:50	5	328	6	6.1	0	23.5	76
09/11/2022 19:00	4.3	330	8	5.2	0	23.4	77
09/11/2022 19:10	4.4	331	6	5.3	0	23.4	77
09/11/2022 19:20	4	336	8	5.1	0	23.3	78
09/11/2022 19:30	3.9	335	6	5	0	23.3	79
09/11/2022 19:40	3.4	323	9	4.7	0	23.2	80
09/11/2022 19:50	3.7	313	7	5.5	0	23.1	81
09/11/2022 20:00	4.3	311	7	5.8	0	23.1	81
09/11/2022 20:10	3.9	312	7	5.1	0	23.1	81
09/11/2022 20:20	3.7	311	8	4.7	0	23.1	81
09/11/2022 20:30	3.6	325	7	4.8	0	23	82
09/11/2022 20:40	3.5	316	8	4.8	0	22.9	83
09/11/2022 20:50	4.1	318	7	5.3	0	22.9	83
09/11/2022 21:00	3.7	314	8	4.8	0	22.9	83
09/11/2022 21:10	3.5	301	10	5.1	0	22.8	83
09/11/2022 21:20	3.4	272	6	4.1	0	22.5	83
09/11/2022 21:30	3.3	261	3	3.9	0	22.1	85
09/11/2022 21:40	2.5	275	4	3	0	22.1	87
09/11/2022 21:50	2.4	268	4	2.9	0	22.1	88
09/11/2022 22:00	2.4	276	7	3	0	21.8	89
09/11/2022 22:10	2.6	285	7	3.3	0	22	89
09/11/2022 22:20	2.4	293	8	3.3	0	22.2	88
09/11/2022 22:30	3	265	7	3.6	0	21.9	88
09/11/2022 22:40	2.8	269	8	3.4	0	21.5	89
09/11/2022 22:50	2.8	267	5	3.4	0	21.4	89
09/11/2022 23:00	3.5	263	3	3.9	0	21.3	90
09/11/2022 23:10	3	262	5	3.7	0	21.2	91
09/11/2022 23:20	3	260	7	3.8	0	21.1	91
09/11/2022 23:30	3.3	262	6	4.1	0	21.1	91
09/11/2022 23:40	2.7	269	6	3.4	0	20.8	92
09/11/2022 23:50	2.6	275	4	3.1	0	20.7	92
09/12/2022 00:00	2.7	273	3	3.2	0	20.7	92





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/12/2022 00:10	3	268	2	3.3	0	20.6	92
09/12/2022 00:20	2.7	267	3	3.1	0	20.5	92
09/12/2022 00:30	2.7	270	5	3.2	0	20.4	92
09/12/2022 00:40	2.7	268	3	3.4	0	20.5	92
09/12/2022 00:50	2.6	265	5	3.2	0	20.4	92
09/12/2022 01:00	2.4	265	9	2.9	0	20.3	92
09/12/2022 01:10	2.1	266	14	3	0	20.3	92
09/12/2022 01:20	1.7	253	12	3.3	0	20.5	92
09/12/2022 01:30	0.6	253	7	1.4	0	20.2	92
09/12/2022 01:40	2.5	256	13	3.6	0	20.3	92
09/12/2022 01:50	2.2	255	17	3.5	0	20.4	91
09/12/2022 02:00	2.7	250	12	3.6	0	20.2	91
09/12/2022 02:10	2.4	252	15	3.3	0	20.3	91
09/12/2022 02:20	2.3	259	10	3.2	0	20.1	91
09/12/2022 02:30	3.1	257	12	4	0	20.2	91
09/12/2022 02:40	2.9	253	12	3.7	0	20.1	91
09/12/2022 02:50	3.1	245	13	4	0	20.4	90
09/12/2022 03:00	3.1	252	11	3.9	0	20.3	90
09/12/2022 03:10	3.5	265	7	4.2	0	20.1	89
09/12/2022 03:20	2.9	269	6	3.8	0	20	90
09/12/2022 03:30	3.2	270	6	3.9	0	20	90
09/12/2022 03:40	2.8	276	6	3.2	0	19.8	90
09/12/2022 03:50	2.9	276	6	3.8	0	19.7	90
09/12/2022 04:00	2	276	4	3.2	0	19.7	90
09/12/2022 04:10	2.7	270	4	3.2	0	19.6	90
09/12/2022 04:20	0.9	251	7	2	0	19.3	91
09/12/2022 04:30	0	249	6	0.6	0	19.5	91
09/12/2022 04:40	0	256	3	0	0	19.3	91
09/12/2022 04:50	0	311	3	0	0	19.2	91
09/12/2022 05:00	0	331	0	0	0	19	91
09/12/2022 05:10	0	334	0	0	0	18.8	91
09/12/2022 05:20	0	336	0	0	0	18.7	92
09/12/2022 05:30	0	336	0	0	0	18.7	92
09/12/2022 05:40	0	336	0	0	0	18.9	92
09/12/2022 05:50	0	335	0	0	0	18.6	92
09/12/2022 06:00	0	334	0	0.1	0	18.3	92
09/12/2022 06:10	0	334	0	0	0	18.2	92
09/12/2022 06:20	0	334	0	0	0	18.6	92
09/12/2022 06:30	0	334	0	0	0	18.7	92
09/12/2022 06:40	0	323	3	0.1	0	18.7	91
09/12/2022 06:50	0	294	0	0	0.2	19.1	91
09/12/2022 07:00	0	213	0	0.8	0	19.5	91
09/12/2022 07:10	0	254	3	0	0	19.9	90
09/12/2022 07:20	0	282	1	0	0	20.7	89
09/12/2022 07:30	0	307	3	0.6	0	21.1	88
09/12/2022 07:40	0	318	4	0.6	0	21.6	86
09/12/2022 07:50	0	273	1	0	0	21.9	84
09/12/2022 08:00	1.6	262	9	2.5	0	22.2	81



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/12/2022 08:10	1.6	237	17	2.6	0	22.6	78
09/12/2022 08:20	1.7	279	11	2.5	0	22.9	74
09/12/2022 08:30	1.3	265	13	2.3	0	22.9	69
09/12/2022 08:40	0.1	291	5	1	0	23.9	65
09/12/2022 08:50	0.1	217	5	1.1	0	24.6	59
09/12/2022 09:00	0.8	127	8	2.4	0	25.2	58
09/12/2022 09:10	2	115	17	2.8	0	25.5	58
09/12/2022 09:20	2.8	102	18	3.5	0	25.5	59
09/12/2022 09:30	3	115	9	4.2	0	25	53
09/12/2022 09:40	2.3	128	15	3.2	0	25.4	48
09/12/2022 09:50	2.3	89	18	3.4	0	26.3	45
09/12/2022 10:00	2.5	84	21	3.6	0	25.9	45
09/12/2022 10:10	2.2	93	19	3.3	0	26.7	41
09/12/2022 10:20	2.5	118	20	3.6	0	26.6	38
09/12/2022 10:30	2.6	132	12	3.7	0	26.5	37
09/12/2022 10:40	2.1	109	17	3.1	0	27.2	35
09/12/2022 10:50	2	63	31	3.2	0	27.1	36
09/12/2022 11:00	1.8	180	17	3.3	0	26.9	34
09/12/2022 11:10	2.5	328	25	4.1	0	27	34
09/12/2022 11:20	2.8	331	16	4.4	0	26.9	36
09/12/2022 11:30	3.2	339	19	5.1	0	27	36
09/12/2022 11:40	3.1	345	15	5.7	0	26.9	37
09/12/2022 11:50	3.5	345	17	5.1	0	26.9	37
09/12/2022 12:00	3.3	174	15	4.9	0	26.9	38
09/12/2022 12:10	3.5	342	17	5.3	0	26.6	40
09/12/2022 12:20	3.8	352	15	5.3	0	26.3	44
09/12/2022 12:30	4	346	15	5.6	0	26.4	46
09/12/2022 12:40	4	173	16	5.9	0	26.5	49
09/12/2022 12:50	4.4	336	18	5.8	0	25.9	51
09/12/2022 13:00	4.3	328	15	5.7	0	26	51
09/12/2022 13:10	4	315	11	5.6	0	26	51
09/12/2022 13:20	4.5	327	12	6.5	0	26.2	50
09/12/2022 13:30	4.4	325	14	6.3	0	26	53
09/12/2022 13:40	4.6	314	13	6.1	0	26	53
09/12/2022 13:50	4.6	328	18	6.2	0	26.1	55
09/12/2022 14:00	4.9	325	14	6.9	0	26.4	54
09/12/2022 14:10	5	319	17	7.4	0	25.8	57
09/12/2022 14:20	5.1	314	13	6.9	0	25.7	58
09/12/2022 14:30	4.9	322	14	6.8	0	25.9	59
09/12/2022 14:40	5.1	314	13	6.8	0	25.5	61
09/12/2022 14:50	5.2	319	12	7.2	0	25.5	62
09/12/2022 15:00	5.5	316	14	7.3	0	25.4	64
09/12/2022 15:10	4.9	326	13	7	0	25.6	64
09/12/2022 15:20	4.6	319	15	7	0	25.5	65
09/12/2022 15:30	4.5	317	16	6.4	0	25.4	64
09/12/2022 15:40	4	309	15	6.1	0	25.9	64
09/12/2022 15:50	4.3	321	11	6.3	0	25.5	64
09/12/2022 16:00	3.9	299	12	5.4	0	25.3	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/12/2022 16:10	3.1	309	21	5.4	0	25.5	64
09/12/2022 16:20	3.3	309	16	5.3	0	25.4	65
09/12/2022 16:30	3.6	306	16	5.4	0	25.2	66
09/12/2022 16:40	3.7	308	15	5.5	0	25.1	66
09/12/2022 16:50	2.8	302	20	5.1	0	25.1	66
09/12/2022 17:00	3.3	315	15	5.3	0	25.2	66
09/12/2022 17:10	3.2	320	14	4.9	0	24.7	68
09/12/2022 17:20	3.2	299	18	5.1	0	24.9	67
09/12/2022 17:30	3.1	301	15	4.9	0	24.7	67
09/12/2022 17:40	3.7	312	9	5	0	24.4	66
09/12/2022 17:50	3.1	303	12	4.3	0	24.2	68
09/12/2022 18:00	3.1	308	15	4.1	0	23.9	69
09/12/2022 18:10	2.6	311	16	3.7	0	23.8	69
09/12/2022 18:20	2.7	308	17	4.1	0	23.7	69
09/12/2022 18:30	2.5	301	14	3.3	0	23.6	70
09/12/2022 18:40	2.3	302	12	3.2	0	23.5	70
09/12/2022 18:50	2.3	291	13	3	0	23.4	70
09/12/2022 19:00	2.2	274	8	3	0	23.2	71
09/12/2022 19:10	2.8	266	10	3.7	0	23.1	71
09/12/2022 19:20	4.1	254	8	5.3	0	23.2	69
09/12/2022 19:30	4.8	256	7	5.8	0	23.5	65
09/12/2022 19:40	4.7	262	7	6.1	0	23.5	64
09/12/2022 19:50	4.8	260	8	6.1	0	23.5	64
09/12/2022 20:00	4.7	265	7	6	0	23.5	64
09/12/2022 20:10	3.7	264	7	5.1	0	23.2	65
09/12/2022 20:20	3.9	262	7	5	0	23	66
09/12/2022 20:30	4	255	7	5.1	0	22.9	66
09/12/2022 20:40	3.7	255	7	4.4	0	22.7	68
09/12/2022 20:50	3.6	254	7	4.3	0	22.4	70
09/12/2022 21:00	3	260	9	3.8	0	22.2	70
09/12/2022 21:10	3.2	266	13	4.1	0	22.5	69
09/12/2022 21:20	2.9	260	10	4	0	22.3	70
09/12/2022 21:30	3	260	6	3.8	0	22.3	70
09/12/2022 21:40	2.9	268	13	3.8	0	22.4	71
09/12/2022 21:50	2.8	262	11	3.6	0	22.9	70
09/12/2022 22:00	3.6	253	8	4.5	0	23.1	69
09/12/2022 22:10	4	251	8	4.9	0	23.1	67
09/12/2022 22:20	4.3	251	6	5.5	0	23	66
09/12/2022 22:30	4.1	251	5	4.8	0	22.6	68
09/12/2022 22:40	3.8	252	4	4.5	0	22.4	69
09/12/2022 22:50	3.4	251	5	4.1	0	22.6	70
09/12/2022 23:00	3.4	255	6	4.1	0	22.9	69
09/12/2022 23:10	2.8	256	6	3.5	0	22.9	68
09/12/2022 23:20	2.6	264	6	3.3	0	22.9	67
09/12/2022 23:30	2.9	255	5	3.3	0	22.8	68
09/12/2022 23:40	3.5	259	7	4	0	22.9	67
09/12/2022 23:50	3.2	259	5	3.9	0	23	65
13/09/2022 00:00	3.4	255	5	3.9	0	23	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/09/2022 00:10	3.3	256	5	3.7	0	23	67
13/09/2022 00:20	3.8	256	7	4.5	0	23	69
13/09/2022 00:30	3.6	261	6	4.3	0	22.9	71
13/09/2022 00:40	3.8	261	6	4.9	0	22.9	72
13/09/2022 00:50	3.4	250	11	4.4	0	22.6	73
13/09/2022 01:00	3.3	251	10	4.2	0	22.4	73
13/09/2022 01:10	1.8	277	29	3.6	0	22.2	73
13/09/2022 01:20	1.7	284	21	3	0	22.6	70
13/09/2022 01:30	2.5	263	13	3.5	0	22.7	70
13/09/2022 01:40	3.3	245	11	4.9	0	22.9	69
13/09/2022 01:50	3	242	15	3.8	0	23	68
13/09/2022 02:00	3.9	251	9	4.9	0	22.7	68
13/09/2022 02:10	3.1	248	9	4.3	0	22.9	66
13/09/2022 02:20	3.3	260	5	3.9	0	22.7	67
13/09/2022 02:30	3.2	255	8	4.8	0	22.6	68
13/09/2022 02:40	2.9	252	11	3.8	0	22.6	67
13/09/2022 02:50	2.9	238	10	3.7	0	22.6	61
13/09/2022 03:00	2.1	250	10	2.9	0	22.6	58
13/09/2022 03:10	2.3	248	11	3	0	22.5	59
13/09/2022 03:20	2.4	251	13	3	0	22.5	60
13/09/2022 03:30	2.3	248	10	3.1	0	22.6	61
13/09/2022 03:40	2.3	263	9	2.9	0	22.4	62
13/09/2022 03:50	2.9	270	3	3.3	0	22.2	64
13/09/2022 04:00	2.9	264	4	3.3	0	22.2	64
13/09/2022 04:10	2.8	261	6	3.4	0	22.2	63
13/09/2022 04:20	2.8	262	3	3.3	0	22.2	63
13/09/2022 04:30	2.6	265	3	3.1	0	22	64
13/09/2022 04:40	2.6	269	3	3.1	0	22.2	65
13/09/2022 04:50	2.5	269	2	3	0	22.3	67
13/09/2022 05:00	2.7	262	4	3.4	0	22.2	69
13/09/2022 05:10	2.9	262	3	3.4	0	22.2	70
13/09/2022 05:20	2.8	265	5	3.4	0	22.2	72
13/09/2022 05:30	2.8	267	4	3.3	0	22.1	72
13/09/2022 05:40	2.4	261	3	3	0	22	72
13/09/2022 05:50	2.5	255	3	2.9	0	22	71
13/09/2022 06:00	2.4	258	6	2.8	0	22.1	71
13/09/2022 06:10	2.2	264	6	2.9	0	21.9	72
13/09/2022 06:20	2.3	259	7	3.3	0	21.9	71
13/09/2022 06:30	2.4	251	8	3	0	22.1	70
13/09/2022 06:40	2.3	262	7	2.8	0	22	71
13/09/2022 06:50	2.3	279	3	2.8	0	22.2	70
13/09/2022 07:00	2.4	259	9	3	0	22.4	69
13/09/2022 07:10	2.7	255	7	3.4	0	22.7	67
13/09/2022 07:20	2.2	247	9	3.3	0	23	64
13/09/2022 07:30	2.4	255	10	3.3	0	23.6	62
13/09/2022 07:40	2.7	255	12	3.6	0	23.9	61
13/09/2022 07:50	2.7	231	11	3.9	0	23.8	61
13/09/2022 08:00	2.2	256	14	2.9	0	23.9	60



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/09/2022 08:10	2.2	254	15	3.1	0	24.2	59
13/09/2022 08:20	2	258	15	3.3	0	24.5	56
13/09/2022 08:30	2.3	268	13	3.4	0	24.5	56
13/09/2022 08:40	2.3	276	14	3.3	0	24.9	55
13/09/2022 08:50	2.9	267	10	4.2	0	24.9	54
13/09/2022 09:00	3	259	11	4.4	0	25	54
13/09/2022 09:10	3.3	268	8	4.6	0	24.9	54
13/09/2022 09:20	3.7	259	17	5.2	0	25.1	55
13/09/2022 09:30	3.7	265	16	4.9	0	24.8	56
13/09/2022 09:40	3.4	262	16	4.6	0	25	55
13/09/2022 09:50	3	284	12	4.1	0	24.9	55
13/09/2022 10:00	3.2	285	15	4.5	0	25.2	54
13/09/2022 10:10	3.8	286	13	5	0	25.3	55
13/09/2022 10:20	4.1	257	12	6.1	0	25.4	55
13/09/2022 10:30	3.9	274	14	6.1	0	25.8	55
13/09/2022 10:40	3.9	267	12	6	0	25.7	55
13/09/2022 10:50	3.9	265	22	5.5	0	25.6	57
13/09/2022 11:00	3.6	273	15	5.5	0	25.8	56
13/09/2022 11:10	4.6	287	12	6.3	0	25.7	57
13/09/2022 11:20	4.4	280	19	6.5	0	25.7	57
13/09/2022 11:30	4.6	281	15	6.3	0	25.8	57
13/09/2022 11:40	4.8	276	12	7.2	0	25.7	58
13/09/2022 11:50	5.7	270	13	7.4	0	25.8	57
13/09/2022 12:00	5.8	274	10	7.6	0	25.9	57
13/09/2022 12:10	6.1	272	10	7.9	0	25.9	57
13/09/2022 12:20	5.4	266	12	7.4	0	26.3	56
13/09/2022 12:30	6	268	11	8.3	0	26.3	56
13/09/2022 12:40	6.2	274	11	8.3	0	26.3	56
13/09/2022 12:50	6.7	270	12	8.6	0	26.1	56
13/09/2022 13:00	6.5	273	9	8.4	0	26.4	53
13/09/2022 13:10	7.2	277	8	8.8	0	26.1	53
13/09/2022 13:20	6.7	267	10	8.3	0	26.4	52
13/09/2022 13:30	6.8	273	9	8.6	0	26.5	50
13/09/2022 13:40	7.2	271	8	9	0	26.3	52
13/09/2022 13:50	7.3	275	10	9.5	0	26.3	52
13/09/2022 14:00	7.8	264	8	9.7	0	26	55
13/09/2022 14:10	7.5	261	9	10	0	25.9	59
13/09/2022 14:20	7.6	273	10	10.1	0	25.5	63
13/09/2022 14:30	8.5	272	7	10.2	0	25.3	63
13/09/2022 14:40	8.2	273	8	10.2	0	25.2	66
13/09/2022 14:50	8.1	275	8	10.3	0	25.2	67
13/09/2022 15:00	8.3	274	9	10.8	0	25.3	67
13/09/2022 15:10	7.7	270	11	10.4	0	25.4	66
13/09/2022 15:20	8.4	274	9	10.8	0	25.1	67
13/09/2022 15:30	8.4	271	8	10.7	0	25.1	67
13/09/2022 15:40	8.7	273	8	10.9	0	24.8	68
13/09/2022 15:50	8.1	269	11	10.9	0	24.9	68
13/09/2022 16:00	8.1	266	9	10.3	0	25	68



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/09/2022 16:10	7.7	271	11	10.6	0	25	67
13/09/2022 16:20	8.4	269	9	10.8	0	24.7	68
13/09/2022 16:30	8.2	270	9	10.6	0	24.6	68
13/09/2022 16:40	7.4	270	8	10.5	0	24.6	69
13/09/2022 16:50	7.9	273	9	10.9	0	24.4	70
13/09/2022 17:00	7.8	274	9	9.9	0	24.3	70
13/09/2022 17:10	7.9	274	7	10.2	0	24.1	71
13/09/2022 17:20	7.6	273	8	10.5	0	24.1	72
13/09/2022 17:30	7	268	10	9.8	0	24	72
13/09/2022 17:40	6.9	267	10	9.5	0	23.8	73
13/09/2022 17:50	6.9	271	9	9.9	0	23.6	74
13/09/2022 18:00	7	269	9	9.7	0	23.4	74
13/09/2022 18:10	6.6	268	10	9.8	0	23.3	74
13/09/2022 18:20	7.1	271	8	9.8	0	23.3	74
13/09/2022 18:30	6.6	269	9	8.6	0	23.2	74
13/09/2022 18:40	7.1	264	8	10.2	0	23.3	76
13/09/2022 18:50	6.8	266	8	9.4	0	23.3	77
13/09/2022 19:00	6.6	264	8	8.4	0	23.1	77
13/09/2022 19:10	6.6	263	9	8.8	0	23.1	78
13/09/2022 19:20	5.6	259	9	7.8	0	23	77
13/09/2022 19:30	6.1	258	9	8.3	0	22.9	75
13/09/2022 19:40	6.7	262	8	9	0	23	76
13/09/2022 19:50	6.1	259	8	8.5	0	22.9	77
13/09/2022 20:00	5.6	256	8	8.2	0	22.9	77
13/09/2022 20:10	6.3	257	8	8.2	0	22.9	77
13/09/2022 20:20	6.4	257	8	8.1	0	22.9	78
13/09/2022 20:30	6.7	262	7	8.5	0	22.9	78
13/09/2022 20:40	6	256	8	7.5	0	22.8	80
13/09/2022 20:50	5.9	257	8	7.5	0	22.7	81
13/09/2022 21:00	5.7	257	7	7.3	0	22.6	80
13/09/2022 21:10	5.4	255	8	7	0	22.6	80
13/09/2022 21:20	5.8	256	7	7.2	0	22.6	81
13/09/2022 21:30	5.8	256	7	7.2	0	22.6	82
13/09/2022 21:40	6	253	6	7.6	0	22.5	82
13/09/2022 21:50	5	254	7	6.4	0	22.4	83
13/09/2022 22:00	5.3	254	9	7.2	0	22.4	83
13/09/2022 22:10	5.2	254	8	6.7	0	22.4	84
13/09/2022 22:20	5.6	253	8	7.2	0	22.3	84
13/09/2022 22:30	5	251	8	6.4	0	22.2	83
13/09/2022 22:40	5	254	6	6.2	0	22.1	83
13/09/2022 22:50	4.8	253	8	6.1	0	22.2	82
13/09/2022 23:00	4.8	254	6	5.9	0	22.2	82
13/09/2022 23:10	4.6	254	7	5.8	0	22.1	82
13/09/2022 23:20	4.8	252	6	6	0	22.1	81
13/09/2022 23:30	5.3	251	7	7.1	0	22.1	81
13/09/2022 23:40	5.1	251	7	6.6	0	22.1	80
13/09/2022 23:50	5	254	9	6.4	0	22	79
14/09/2022 00:00	5.1	253	7	6.9	0	21.9	78



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/09/2022 00:10	4.9	252	8	6.3	0	21.9	78
14/09/2022 00:20	4.8	251	8	6.2	0	21.9	77
14/09/2022 00:30	4.9	252	9	6.9	0	21.7	77
14/09/2022 00:40	5	252	7	6.3	0	21.5	77
14/09/2022 00:50	5.1	250	8	6.9	0	21.5	76
14/09/2022 01:00	4.8	249	9	6.6	0	21.4	75
14/09/2022 01:10	4.9	251	7	6.3	0	21.2	75
14/09/2022 01:20	4.8	253	6	5.8	0	21	75
14/09/2022 01:30	4.7	253	7	6	0	20.9	74
14/09/2022 01:40	4.4	254	8	5.8	0	20.9	74
14/09/2022 01:50	4.5	253	8	5.5	0	20.8	73
14/09/2022 02:00	4.4	247	11	6.1	0	20.9	71
14/09/2022 02:10	4.3	247	9	5.6	0	21	69
14/09/2022 02:20	4.4	247	9	6.1	0	21.1	67
14/09/2022 02:30	4.4	246	12	6.1	0	21.1	65
14/09/2022 02:40	4.4	244	12	5.7	0	21.2	64
14/09/2022 02:50	3.8	251	10	5.1	0	20.7	65
14/09/2022 03:00	3.8	248	13	5.2	0	20.7	64
14/09/2022 03:10	4.5	243	13	6.8	0	21.1	61
14/09/2022 03:20	4.4	241	12	6.3	0	21.3	60
14/09/2022 03:30	4.8	239	12	7.2	0	21.3	59
14/09/2022 03:40	4.8	237	11	6.8	0	21.3	60
14/09/2022 03:50	4.7	232	13	6.9	0	21.2	60
14/09/2022 04:00	4.8	229	12	6.9	0	21.1	60
14/09/2022 04:10	4.6	214	13	7	0	21.2	59
14/09/2022 04:20	5.6	210	12	7.5	0	21.2	57
14/09/2022 04:30	5.6	207	9	7.6	0	21.2	55
14/09/2022 04:40	5.9	206	10	7.8	0	21.1	54
14/09/2022 04:50	5.6	207	9	7.3	0	21	53
14/09/2022 05:00	6	208	9	7.9	0	21.1	52
14/09/2022 05:10	5.9	206	9	7.6	0	20.9	53
14/09/2022 05:20	5.5	206	9	7.4	0	20.9	53
14/09/2022 05:30	5.4	205	10	7.5	0	20.8	53
14/09/2022 05:40	5.2	204	10	6.9	0	20.7	54
14/09/2022 05:50	5.6	204	9	7.2	0	20.6	54
14/09/2022 06:00	5.7	206	9	7.3	0	20.6	53
14/09/2022 06:10	5.2	208	10	7.2	0	20.5	54
14/09/2022 06:20	4.6	206	10	6.6	0	20.4	54
14/09/2022 06:30	4.9	204	11	7.3	0	20.5	54
14/09/2022 06:40	4.6	196	12	6.2	0	20.5	53
14/09/2022 06:50	4.8	192	10	6.8	0	20.7	52
14/09/2022 07:00	4.2	186	11	5.9	0	20.9	52
14/09/2022 07:10	5.3	189	9	7.5	0	21	51
14/09/2022 07:20	4.8	186	11	7.1	0	21.1	50
14/09/2022 07:30	4.8	190	11	6.8	0	21.2	50
14/09/2022 07:40	5.3	194	10	7.6	0	21.4	49
14/09/2022 07:50	6.2	200	9	8.8	0	21.6	48
14/09/2022 08:00	5.8	204	11	8.5	0	21.9	48



# Yara Pilbara Nitrates- Western Boundary 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/09/2022 08:10	4.8	195	11	7.2	0	22.3	47
14/09/2022 08:20	3.8	188	14	6	0	22.7	46
14/09/2022 08:30	4.2	177	14	6.5	0	22.9	46
14/09/2022 08:40	4.7	168	11	7.2	0	23.1	45
14/09/2022 08:50	4.4	174	13	6.6	0	23.7	44
14/09/2022 09:00	4.5	168	15	6.3	0	24.1	43
14/09/2022 09:10	4	162	16	6	0	24.5	42
14/09/2022 09:20	3.6	159	21	5.9	0	25	41
14/09/2022 09:30	3.2	151	17	4.7	0	25.4	40
14/09/2022 09:40	3.6	116	16	5.3	0	25.7	41
14/09/2022 09:50	3.9	113	15	5.3	0	26	40
14/09/2022 10:00	3.3	112	13	4.9	0	26.3	39
14/09/2022 10:10	3.2	99	15	4.6	0	27	37
14/09/2022 10:20	3.3	90	21	4.3	0	26.8	38
14/09/2022 10:30	3.3	101	16	4.6	0	27.1	37
14/09/2022 10:40	3.2	115	20	4.4	0	27	37
14/09/2022 10:50	2.9	112	16	4.3	0	27.6	37
14/09/2022 11:00	2.6	125	17	3.9	0	27.4	37
14/09/2022 11:10	2.7	120	13	4.4	0	27.4	37
14/09/2022 11:20	3.2	130	18	4.3	0	27.5	37
14/09/2022 11:30	2.8	129	15	4	0	28	36
14/09/2022 11:40	2.3	111	15	3.9	0	28.7	36
14/09/2022 11:50	2.6	98	18	3.7	0	28.6	36
14/09/2022 12:00	1.8	130	25	3.2	0	28.3	36
14/09/2022 12:10	0.5	109	33	2.3	0	29	36
14/09/2022 12:20	1.3	256	29	2.8	0	28.4	38
14/09/2022 12:30	2.3	77	66	5	0	28.7	38
14/09/2022 12:40	2.7	164	28	4.7	0	28.2	38
14/09/2022 12:50	2	304	25	3.8	0	27.9	39
14/09/2022 13:00	2.6	327	37	4.3	0	28.1	39
14/09/2022 13:10	4.2	324	8	5.8	0	27.7	40
14/09/2022 13:20	4.1	334	19	5.6	0	27.4	43
14/09/2022 13:30	4.9	349	14	6.9	0	27.5	42
14/09/2022 13:40	5.3	353	13	7.3	0	26.9	46
14/09/2022 13:50	5.1	333	11	6.8	0	26.7	48
14/09/2022 14:00	5.4	330	10	7.2	0	26.4	50
14/09/2022 14:10	4.3	329	13	5.9	0	26.8	49
14/09/2022 14:20	5	324	9	6.3	0	26.8	46
14/09/2022 14:30	5.2	338	11	7.2	0	26.6	45
14/09/2022 14:40	5	322	10	6.5	0	26.8	43
14/09/2022 14:50	5.2	324	11	6.9	0	26.9	43
14/09/2022 15:00	5.2	325	12	6.8	0	26.8	46
14/09/2022 15:10	5.8	333	7	7.5	0	26.7	47
14/09/2022 15:20	5.8	326	7	7.6	0	26.6	47
14/09/2022 15:30	4.6	304	19	6.4	0	27.1	46
14/09/2022 15:40	5.6	285	11	7.1	0	26.7	47
14/09/2022 15:50	5	276	13	6.8	0	26.5	52
14/09/2022 16:00	5.8	263	8	7.1	0	26.3	53





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/09/2022 16:10	6.2	262	7	7.5	0	26	54
14/09/2022 16:20	6.7	264	8	8	0	25.7	55
14/09/2022 16:30	6.9	261	7	8.3	0	25.6	55
14/09/2022 16:40	7	264	8	8.5	0	25.2	57
14/09/2022 16:50	6.1	262	11	7.8	0	25.2	58
14/09/2022 17:00	6.7	263	8	8.9	0	24.9	59
14/09/2022 17:10	6.2	268	10	8.2	0	24.8	57
14/09/2022 17:20	6.5	266	8	8.8	0	24.7	58
14/09/2022 17:30	6.8	265	7	8.7	0	24.3	59
14/09/2022 17:40	6.4	267	9	8.2	0	24	60
14/09/2022 17:50	6.1	267	8	7.9	0	23.7	63
14/09/2022 18:00	5.9	268	8	7.6	0	23.5	66
14/09/2022 18:10	5.9	270	9	7.9	0	23.3	66
14/09/2022 18:20	5.4	266	8	7.4	0	23.2	66
14/09/2022 18:30	5.5	268	9	7	0	23.1	66
14/09/2022 18:40	5.6	268	6	7.8	0	23	67
14/09/2022 18:50	5.8	272	7	7.5	0	23	66
14/09/2022 19:00	5.4	269	7	7.5	0	23	66
14/09/2022 19:10	5.9	270	8	7.7	0	23	66
14/09/2022 19:20	5.6	266	8	6.9	0	23	66
14/09/2022 19:30	5.9	267	9	7.4	0	22.9	66
14/09/2022 19:40	5.9	266	7	7.7	0	23	66
14/09/2022 19:50	6.1	267	8	8.4	0	23	66
14/09/2022 20:00	5.9	268	8	7.8	0	23	67
14/09/2022 20:10	6.1	268	7	7.5	0	23	67
14/09/2022 20:20	6.1	272	7	7.9	0	23	67
14/09/2022 20:30	5.1	271	8	6.6	0	22.9	68
14/09/2022 20:40	5.6	274	6	7.4	0	22.9	68
14/09/2022 20:50	5.4	276	7	7	0	22.9	68
14/09/2022 21:00	4.5	274	8	6	0	22.7	70
14/09/2022 21:10	4	281	8	5.2	0	22.7	70
14/09/2022 21:20	3.8	283	7	5.1	0	22.6	70
14/09/2022 21:30	3.9	283	7	4.9	0	22.5	71
14/09/2022 21:40	3.5	279	7	4.7	0	22.5	72
14/09/2022 21:50	3.5	277	6	4.5	0	22.4	74
14/09/2022 22:00	3.7	274	6	4.4	0	22.5	76
14/09/2022 22:10	3.9	270	4	4.6	0	22.5	77
14/09/2022 22:20	4.1	267	3	4.9	0	22.1	76
14/09/2022 22:30	3.7	274	4	4.3	0	21.8	73
14/09/2022 22:40	3.5	275	5	4	0	21.8	71
14/09/2022 22:50	3.2	271	5	3.8	0	21.6	69
14/09/2022 23:00	2.8	267	8	3.5	0	21.1	68
14/09/2022 23:10	3.1	269	11	4.5	0	21.7	60
14/09/2022 23:20	1.7	259	15	3.2	0	22.1	54
14/09/2022 23:30	2.3	219	20	4.4	0	22.7	51
14/09/2022 23:40	3.7	209	13	5.1	0	23.4	44
14/09/2022 23:50	4.6	193	10	6.8	0	23.1	45
15/09/2022 00:00	5.1	187	12	7.6	0	23.1	44



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/09/2022 00:10	4.9	187	11	7	0	23	42
15/09/2022 00:20	4.7	187	11	6.6	0	23	41
15/09/2022 00:30	4.4	188	10	6.4	0	22.9	40
15/09/2022 00:40	3.4	183	12	5	0	22.6	41
15/09/2022 00:50	3	183	11	4.3	0	22.3	41
15/09/2022 01:00	2.4	182	17	4.1	0	22.3	41
15/09/2022 01:10	1.5	174	20	2.8	0	22.2	41
15/09/2022 01:20	1.3	172	18	2.4	0	22.1	41
15/09/2022 01:30	1.4	165	17	2.8	0	22	40
15/09/2022 01:40	0.6	162	15	2.3	0	22.1	40
15/09/2022 01:50	0.6	161	13	2.1	0	22	40
15/09/2022 02:00	0.4	172	13	2.2	0	22.1	39
15/09/2022 02:10	0.4	139	15	1.9	0	22.1	39
15/09/2022 02:20	1.1	150	18	2.6	0	22.1	38
15/09/2022 02:30	1.3	143	21	2.6	0	22.4	36
15/09/2022 02:40	1.9	131	14	3.7	0	22.5	36
15/09/2022 02:50	2.3	139	17	3.7	0	22.5	36
15/09/2022 03:00	2.5	133	13	4.2	0	22.5	35
15/09/2022 03:10	1.8	127	15	3.5	0	22.3	36
15/09/2022 03:20	2	118	15	3.1	0	22	38
15/09/2022 03:30	1.8	112	16	2.9	0	21.8	40
15/09/2022 03:40	1.7	120	15	3.6	0	21.7	41
15/09/2022 03:50	2	118	15	3.6	0	21.8	41
15/09/2022 04:00	2.1	120	17	3.6	0	21.8	41
15/09/2022 04:10	2.1	118	18	3.3	0	21.7	41
15/09/2022 04:20	2.8	109	11	3.8	0	21.5	42
15/09/2022 04:30	3.5	108	8	4.5	0	21.4	43
15/09/2022 04:40	3.4	112	8	4.8	0	21.2	45
15/09/2022 04:50	2.6	112	11	3.9	0	21.1	47
15/09/2022 05:00	2.6	113	11	4.2	0	21	48
15/09/2022 05:10	2.2	114	13	3.8	0	20.8	49
15/09/2022 05:20	3.4	109	10	4.9	0	21	48
15/09/2022 05:30	3.8	109	8	4.9	0	21.1	49
15/09/2022 05:40	3.1	112	10	4.2	0	20.9	51
15/09/2022 05:50	3	113	10	4.1	0	20.7	53
15/09/2022 06:00	3.2	113	9	4	0	20.7	53
15/09/2022 06:10	3.2	112	9	4.3	0	20.7	51
15/09/2022 06:20	4.1	110	8	5.1	0	21	49
15/09/2022 06:30	4	110	8	5.1	0	21.2	47
15/09/2022 06:40	3.7	111	9	4.7	0	21.3	49
15/09/2022 06:50	3.6	109	8	4.4	0	21.5	49
15/09/2022 07:00	3.3	105	12	5	0	21.9	47
15/09/2022 07:10	4	106	13	5.9	0	22.5	43
15/09/2022 07:20	4.8	107	11	6.7	0	22.7	42
15/09/2022 07:30	4.3	104	12	7.2	0	22.8	43
15/09/2022 07:40	5	106	12	7.3	0	22.9	42
15/09/2022 07:50	4.8	106	11	6.3	0	23	43
15/09/2022 08:00	4.8	102	13	6.9	0	23.2	43



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/09/2022 08:10	4.9	100	13	7.2	0	23.4	42
15/09/2022 08:20	4.9	106	12	6.8	0	23.5	44
15/09/2022 08:30	5.7	104	11	8.1	0	23.9	43
15/09/2022 08:40	5.9	105	13	8.9	0	24.3	40
15/09/2022 08:50	5.6	95	13	7.7	0	24.5	40
15/09/2022 09:00	5.8	92	12	8.1	0	24.6	39
15/09/2022 09:10	5.4	94	13	7.3	0	25	37
15/09/2022 09:20	5.6	94	13	7.6	0	25.1	36
15/09/2022 09:30	5.3	98	14	7.9	0	25.2	36
15/09/2022 09:40	5.2	95	13	7.3	0	25.3	38
15/09/2022 09:50	5.6	86	9	7.2	0	25.3	39
15/09/2022 10:00	5.9	83	8	7.3	0	25.3	41
15/09/2022 10:10	5.9	82	7	7.5	0	25.4	40
15/09/2022 10:20	6.2	79	8	7.9	0	25.4	38
15/09/2022 10:30	6	85	8	7.6	0	25.9	37
15/09/2022 10:40	6.3	83	8	8.1	0	26	37
15/09/2022 10:50	6	82	11	7.9	0	26.4	36
15/09/2022 11:00	6	83	10	8	0	26.9	35
15/09/2022 11:10	6.5	79	10	8.6	0	27	35
15/09/2022 11:20	6.5	66	9	8.5	0	26.6	35
15/09/2022 11:30	7.3	68	7	8.7	0	26.5	34
15/09/2022 11:40	7.1	73	7	8.6	0	26.7	32
15/09/2022 11:50	7.3	78	7	8.8	0	26.9	32
15/09/2022 12:00	5.8	68	10	8.7	0	27.7	34
15/09/2022 12:10	5.8	60	11	7.5	0	27.5	35
15/09/2022 12:20	6	54	10	7.6	0	27.3	35
15/09/2022 12:30	6.2	56	9	7.9	0	27.4	34
15/09/2022 12:40	6	52	9	7.3	0	27.2	34
15/09/2022 12:50	6.4	48	9	8.3	0	27.3	35
15/09/2022 13:00	5.6	55	12	7.6	0	27.5	37
15/09/2022 13:10	6.1	47	9	7.4	0	27.4	38
15/09/2022 13:20	6.2	40	8	8	0	27.3	39
15/09/2022 13:30	6.3	52	9	8.3	0	27.5	37
15/09/2022 13:40	6.5	53	9	8.4	0	27.7	36
15/09/2022 13:50	6.4	55	8	7.9	0	27.7	36
15/09/2022 14:00	6.5	53	9	7.9	0	27.8	34
15/09/2022 14:10	6.2	51	9	7.9	0	28.2	31
15/09/2022 14:20	6.1	48	11	7.8	0	28.2	32
15/09/2022 14:30	6.3	43	11	8.1	0	28.4	28
15/09/2022 14:40	5.8	48	12	7.7	0	28.6	26
15/09/2022 14:50	6.1	48	10	7.5	0	28.6	25
15/09/2022 15:00	5.7	45	9	7	0	28.8	25
15/09/2022 15:10	5.6	50	9	7	0	28.9	25
15/09/2022 15:20	5.3	49	10	6.6	0	29	24
15/09/2022 15:30	5.3	50	10	6.8	0	29.2	24
15/09/2022 15:40	5.7	53	7	6.8	0	29	24
15/09/2022 15:50	5	53	10	6.5	0	29.3	24
15/09/2022 16:00	4.9	50	8	6.1	0	29.3	24



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/09/2022 16:10	5	53	7	5.9	0	29.4	24
15/09/2022 16:20	4.7	57	8	5.6	0	29.5	24
15/09/2022 16:30	4.3	42	12	5.7	0	29.5	24
15/09/2022 16:40	5	10	11	6.6	0	28.9	32
15/09/2022 16:50	5.5	3	11	6.7	0	27.8	41
15/09/2022 17:00	5.3	179	10	6.8	0	27.1	46
15/09/2022 17:10	4.8	179	10	6	0	26.9	48
15/09/2022 17:20	5.1	350	10	6.2	0	26.3	52
15/09/2022 17:30	4.5	343	10	5.9	0	26.1	52
15/09/2022 17:40	4.1	322	10	5.7	0	25.5	55
15/09/2022 17:50	4.5	316	7	5.8	0	24.9	57
15/09/2022 18:00	3.4	287	16	5.4	0	24.7	57
15/09/2022 18:10	3.3	272	10	5.1	0	24.5	55
15/09/2022 18:20	3.1	269	8	4.3	0	24.4	55
15/09/2022 18:30	4.2	283	8	5.1	0	24.3	59
15/09/2022 18:40	4.1	276	7	5.3	0	24.3	56
15/09/2022 18:50	4.7	265	7	6	0	24	66
15/09/2022 19:00	5.4	268	6	6.8	0	23.6	69
15/09/2022 19:10	4.9	257	8	6.3	0	23.5	69
15/09/2022 19:20	5	255	6	5.9	0	23.2	71
15/09/2022 19:30	4.7	256	7	5.7	0	23.2	70
15/09/2022 19:40	4.9	256	7	6.3	0	23.1	71
15/09/2022 19:50	5.3	256	6	6.3	0	23.1	72
15/09/2022 20:00	5.5	256	6	6.8	0	22.9	73
15/09/2022 20:10	5.6	260	6	6.7	0	22.8	72
15/09/2022 20:20	5	261	7	6.1	0	22.8	72
15/09/2022 20:30	5	259	8	6.3	0	22.7	72
15/09/2022 20:40	4.6	258	7	5.6	0	22.6	73
15/09/2022 20:50	5	257	5	6.2	0	22.5	73
15/09/2022 21:00	5	258	6	6.4	0	22.5	73
15/09/2022 21:10	5.2	259	6	6.2	0	22.4	73
15/09/2022 21:20	5.1	256	5	6.1	0	22.2	74
15/09/2022 21:30	4.9	256	5	5.4	0	22	75
15/09/2022 21:40	4.6	256	4	5.3	0	21.9	76
15/09/2022 21:50	4.8	254	5	5.5	0	21.8	76
15/09/2022 22:00	4.2	257	5	4.9	0	21.8	76
15/09/2022 22:10	4.4	257	5	5.2	0	21.6	76
15/09/2022 22:20	4.5	255	6	5.2	0	21.6	75
15/09/2022 22:30	4.1	258	6	4.9	0	21.6	74
15/09/2022 22:40	3.9	260	6	4.6	0	21.6	73
15/09/2022 22:50	3.9	261	3	4.3	0	21.7	73
15/09/2022 23:00	4.2	259	4	4.8	0	21.8	73
15/09/2022 23:10	4.1	260	5	4.9	0	22	73
15/09/2022 23:20	4.1	261	6	4.9	0	21.9	73
15/09/2022 23:30	4.2	260	5	5	0	22	73
15/09/2022 23:40	4.1	262	4	4.8	0	21.9	73
15/09/2022 23:50	3.8	263	6	4.6	0	21.8	74
16/09/2022 00:00	3.7	259	5	4.8	0	21.7	74



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/09/2022 00:10	3.3	264	5	4.2	0	21.4	75
16/09/2022 00:20	3.1	270	5	3.7	0	21.4	76
16/09/2022 00:30	2.9	265	6	3.9	0	21.5	75
16/09/2022 00:40	2.5	265	6	3.2	0	21.5	76
16/09/2022 00:50	2.8	266	5	3.2	0	21.3	78
16/09/2022 01:00	3.2	267	6	3.7	0	21.3	79
16/09/2022 01:10	3.4	266	5	4	0	21.2	80
16/09/2022 01:20	3.6	266	4	4.1	0	20.9	81
16/09/2022 01:30	3.2	267	5	3.7	0	20.7	83
16/09/2022 01:40	3.1	265	4	3.8	0	20.6	84
16/09/2022 01:50	3.2	264	6	3.7	0	20.5	84
16/09/2022 02:00	3.5	260	8	4.1	0	20.6	82
16/09/2022 02:10	3.3	255	9	4	0	21.1	77
16/09/2022 02:20	1.9	259	11	3.6	0	21.1	75
16/09/2022 02:30	1.8	236	24	3.3	0	21.2	75
16/09/2022 02:40	0.4	167	11	1.9	0	21.4	75
16/09/2022 02:50	1.5	46	9	2.5	0	20.8	75
16/09/2022 03:00	1.8	61	7	2.5	0	20.4	77
16/09/2022 03:10	1.6	33	10	2.3	0	20	76
16/09/2022 03:20	0.3	36	2	1.2	0	20.2	75
16/09/2022 03:30	0.3	41	2	1.1	0	20.3	74
16/09/2022 03:40	0	35	0	0.3	0	20.2	74
16/09/2022 03:50	0	35	0	0.1	0	19.9	74
16/09/2022 04:00	0	35	0	0.1	0	19.9	74
16/09/2022 04:10	0	35	0	0.1	0	20.2	72
16/09/2022 04:20	0	35	0	0.1	0	20.1	71
16/09/2022 04:30	1	49	2	2.3	0	19.8	72
16/09/2022 04:40	0.8	52	6	2.1	0	19.5	73
16/09/2022 04:50	0	50	2	0.3	0	19.6	72
16/09/2022 05:00	0	67	3	0.1	0	19.1	73
16/09/2022 05:10	0.2	82	6	1.9	0	19.6	74
16/09/2022 05:20	1.1	46	17	2.6	0	19.4	74
16/09/2022 05:30	1.6	86	16	2.8	0	19.7	76
16/09/2022 05:40	0.5	39	2	2	0	19.3	76
16/09/2022 05:50	1.6	50	5	2.4	0	19.1	77
16/09/2022 06:00	1.7	41	4	2.7	0	19.1	76
16/09/2022 06:10	0.3	82	8	2.2	0	19.2	75
16/09/2022 06:20	0.1	90	2	0.8	0	19	74
16/09/2022 06:30	0	76	4	0.1	0	19.2	73
16/09/2022 06:40	0.2	65	11	1	0	20	72
16/09/2022 06:50	2.2	119	8	2.9	0	21.3	68
16/09/2022 07:00	2.6	126	13	4.1	0	22	65
16/09/2022 07:10	2.3	123	18	3.9	0	22.4	61
16/09/2022 07:20	3.1	110	12	4.1	0	22.4	56
16/09/2022 07:30	3.7	111	7	4.5	0	22.1	56
16/09/2022 07:40	3.5	109	9	4.8	0	22.3	55
16/09/2022 07:50	3.5	108	10	4.6	0	22.6	54
16/09/2022 08:00	3.2	111	13	4.7	0	23.1	52



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/09/2022 08:10	3.2	115	14	5.1	0	23.4	48
16/09/2022 08:20	3.2	112	15	4.4	0	23.5	48
16/09/2022 08:30	3.5	113	14	4.9	0	23.7	45
16/09/2022 08:40	3.2	113	16	4.5	0	24.1	46
16/09/2022 08:50	4	110	10	5.5	0	24.4	43
16/09/2022 09:00	4	110	11	6.2	0	25.2	42
16/09/2022 09:10	4.4	107	12	6.5	0	26	37
16/09/2022 09:20	5	106	12	7.1	0	26.6	36
16/09/2022 09:30	5	106	13	7.2	0	27.1	35
16/09/2022 09:40	5.4	105	12	7.8	0	27.2	36
16/09/2022 09:50	6.1	105	12	8.4	0	27.4	34
16/09/2022 10:00	5	96	14	6.5	0	27.7	35
16/09/2022 10:10	5.3	99	14	8.2	0	28	32
16/09/2022 10:20	5.5	92	13	7.4	0	28.1	33
16/09/2022 10:30	5.3	86	10	7.4	0	28	34
16/09/2022 10:40	6	81	9	8.3	0	28	32
16/09/2022 10:50	7.2	74	10	9.5	0	28.2	30
16/09/2022 11:00	7.6	68	7	9.6	0	27.9	29
16/09/2022 11:10	8	65	7	9.8	0	27.5	30
16/09/2022 11:20	7.7	66	6	9.4	0	27.7	29
16/09/2022 11:30	7.9	65	6	9.7	0	27.6	28
16/09/2022 11:40	7.9	65	7	9.6	0	27.7	27
16/09/2022 11:50	7.1	65	7	9.2	0	27.8	27
16/09/2022 12:00	7.5	67	7	9.1	0	27.8	26
16/09/2022 12:10	6.9	77	8	8.8	0	28.2	26
16/09/2022 12:20	5.9	61	12	8.2	0	28.8	27
16/09/2022 12:30	6	52	12	8	0	28.6	26
16/09/2022 12:40	6.5	53	10	8.6	0	28.5	26
16/09/2022 12:50	6.2	54	11	8.4	0	28.5	26
16/09/2022 13:00	6.4	53	11	8.2	0	28.6	28
16/09/2022 13:10	6.5	47	10	8.3	0	28.5	30
16/09/2022 13:20	6.6	55	9	8.3	0	28.4	30
16/09/2022 13:30	6.8	56	8	8.5	0	28.5	27
16/09/2022 13:40	7.1	51	10	8.6	0	28.6	25
16/09/2022 13:50	6.7	48	9	8.5	0	28.8	22
16/09/2022 14:00	6.6	48	9	8.1	0	29.2	19
16/09/2022 14:10	6.8	49	8	8.3	0	29.2	17
16/09/2022 14:20	6	54	9	7.6	0	29.6	17
16/09/2022 14:30	6.5	48	8	7.8	0	29.5	17
16/09/2022 14:40	5.8	50	9	6.9	0	29.8	17
16/09/2022 14:50	5.7	56	10	7.6	0	29.9	17
16/09/2022 15:00	5.7	56	11	7.2	0	29.9	17
16/09/2022 15:10	5.3	50	9	6.8	0	29.9	17
16/09/2022 15:20	5.1	54	8	6.2	0	30	17
16/09/2022 15:30	4.6	51	11	5.7	0	30.2	17
16/09/2022 15:40	4.8	53	9	5.9	0	30.3	19
16/09/2022 15:50	4.8	56	8	5.9	0	30.2	21
16/09/2022 16:00	4.3	16	16	6.2	0	30.3	21



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/09/2022 16:10	5.7	179	10	7.3	0	29.4	23
16/09/2022 16:20	5.3	356	10	6.9	0	29.3	25
16/09/2022 16:30	5.4	176	11	6.7	0	29.1	26
16/09/2022 16:40	5.5	4	11	6.7	0	28.8	25
16/09/2022 16:50	5	2	10	6.4	0	28.6	28
16/09/2022 17:00	5.3	6	10	6.8	0	28.1	33
16/09/2022 17:10	5.5	3	8	7	0	27.7	35
16/09/2022 17:20	5.8	3	10	7	0	27.5	35
16/09/2022 17:30	5.4	179	11	7	0	27.4	35
16/09/2022 17:40	5.1	354	8	6.3	0	27.1	34
16/09/2022 17:50	5.6	347	7	7	0	26.8	32
16/09/2022 18:00	4.5	343	9	5.7	0	26.1	42
16/09/2022 18:10	5.3	342	6	6.6	0	25.8	43
16/09/2022 18:20	5.8	335	5	7	0	25.8	43
16/09/2022 18:30	5	341	6	6.5	0	25.6	45
16/09/2022 18:40	4.3	322	12	5.8	0	25.3	49
16/09/2022 18:50	3.7	269	12	5	0	24.7	57
16/09/2022 19:00	3.3	275	7	4.2	0	24.1	64
16/09/2022 19:10	3.7	279	7	5	0	24.2	58
16/09/2022 19:20	3.5	286	10	4.7	0	24.6	52
16/09/2022 19:30	3.5	291	9	4.6	0	24.9	51
16/09/2022 19:40	3.1	285	9	4.4	0	24.8	49
16/09/2022 19:50	3.3	275	8	4.6	0	24.4	49
16/09/2022 20:00	3.9	275	7	4.3	0	23.9	57
16/09/2022 20:10	3.4	299	6	4.4	0	24.6	51
16/09/2022 20:20	3.5	279	5	4.5	0	24.3	54
16/09/2022 20:30	3.7	270	6	4.4	0	23.6	63
16/09/2022 20:40	3.9	271	5	4.6	0	23.6	64
16/09/2022 20:50	3.6	266	4	4.1	0	23.7	63
16/09/2022 21:00	2.8	271	8	3.4	0	23.2	64
16/09/2022 21:10	3.3	263	3	3.5	0	22.8	66
16/09/2022 21:20	3.1	269	3	3.4	0	22.5	66
16/09/2022 21:30	3	273	3	3.4	0	22.6	69
16/09/2022 21:40	3.3	269	4	3.7	0	22.3	71
16/09/2022 21:50	3.6	267	4	4.2	0	22.1	72
16/09/2022 22:00	4	268	5	4.5	0	21.9	72
16/09/2022 22:10	3.9	263	5	4.5	0	21.9	73
16/09/2022 22:20	3.7	263	5	4.5	0	21.7	75
16/09/2022 22:30	3.5	265	6	4.3	0	21.5	76
16/09/2022 22:40	3.5	263	6	4.2	0	21.3	75
16/09/2022 22:50	3.5	261	6	4.1	0	21.2	74
16/09/2022 23:00	3.7	255	7	4.9	0	21.4	73
16/09/2022 23:10	3.9	254	8	4.6	0	21.8	71
16/09/2022 23:20	3.9	251	11	5.1	0	21.9	70
16/09/2022 23:30	3.8	249	8	4.6	0	22	69
16/09/2022 23:40	3.9	247	9	4.9	0	21.9	68
16/09/2022 23:50	4	253	8	4.8	0	22	67
17/09/2022 00:00	3.9	250	10	5.2	0	22	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/09/2022 00:10	4	245	10	5.3	0	22.4	63
17/09/2022 00:20	3.7	251	12	5.2	0	22.4	62
17/09/2022 00:30	3.8	255	10	4.8	0	22.3	62
17/09/2022 00:40	3.8	254	11	4.8	0	22.3	61
17/09/2022 00:50	3.5	248	12	4.9	0	22.3	59
17/09/2022 01:00	3.4	255	11	4.3	0	22.1	59
17/09/2022 01:10	3.3	254	12	4.9	0	22	58
17/09/2022 01:20	1.7	215	19	2.9	0	21.9	58
17/09/2022 01:30	2.5	193	9	3.5	0	22.1	55
17/09/2022 01:40	2.1	184	10	2.8	0	22.4	53
17/09/2022 01:50	2.5	185	17	4.3	0	22.4	52
17/09/2022 02:00	1.7	186	18	3.6	0	22.6	50
17/09/2022 02:10	1.5	187	17	3.2	0	22.3	51
17/09/2022 02:20	2.8	171	11	3.8	0	22.5	50
17/09/2022 02:30	1.4	239	15	3	0	22	51
17/09/2022 02:40	0.3	230	20	1.1	0	21.3	53
17/09/2022 02:50	1	290	18	2.1	0	21.5	52
17/09/2022 03:00	0	291	2	0.5	0	21.2	53
17/09/2022 03:10	0.5	297	5	0.9	0	21.1	53
17/09/2022 03:20	0	157	2	0.1	0	20.8	54
17/09/2022 03:30	0	338	2	0.1	0	21.2	52
17/09/2022 03:40	1.2	253	11	2.7	0	21.5	50
17/09/2022 03:50	3.2	169	9	4.2	0	22.1	48
17/09/2022 04:00	2.1	182	9	3.1	0	22	48
17/09/2022 04:10	1.3	182	10	2	0	21.1	51
17/09/2022 04:20	0.4	164	3	1	0	20.7	52
17/09/2022 04:30	0.5	178	23	1.5	0	20.7	52
17/09/2022 04:40	0.1	37	2	0.8	0	20.9	52
17/09/2022 04:50	0	37	0	0	0	20.4	54
17/09/2022 05:00	0.2	161	13	0.6	0	20.6	51
17/09/2022 05:10	0	96	7	0.7	0	20.4	52
17/09/2022 05:20	0	130	2	0	0	20.6	51
17/09/2022 05:30	0	99	0	0.1	0	20.4	52
17/09/2022 05:40	0	114	3	0.1	0	20.8	49
17/09/2022 05:50	0	131	0	0	0	20.8	50
17/09/2022 06:00	0	213	6	0	0	21.1	49
17/09/2022 06:10	0	112	0	0	0	20.7	50
17/09/2022 06:20	0.1	169	14	0.8	0	20.7	50
17/09/2022 06:30	0	155	3	0	0	20.9	49
17/09/2022 06:40	0	220	2	0	0	21.1	47
17/09/2022 06:50	0.5	114	12	1.6	0	21.7	45
17/09/2022 07:00	2	114	9	2.8	0	22.6	43
17/09/2022 07:10	2	117	9	2.9	0	22.8	43
17/09/2022 07:20	2.1	115	8	2.7	0	22.9	45
17/09/2022 07:30	2	105	11	2.7	0	23.1	46
17/09/2022 07:40	2.6	114	11	3.5	0	22.9	47
17/09/2022 07:50	2.8	109	8	3.5	0	23	47
17/09/2022 08:00	2.7	110	11	4	0	23.2	49





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/09/2022 08:10	3.1	105	13	4.3	0	23.5	48
17/09/2022 08:20	3.4	103	12	4.5	0	23.9	46
17/09/2022 08:30	3.6	105	12	5.2	0	24	45
17/09/2022 08:40	3.9	112	11	5.3	0	24.1	45
17/09/2022 08:50	3.6	112	11	5.2	0	24.3	46
17/09/2022 09:00	3.3	104	15	5.3	0	25.2	44
17/09/2022 09:10	4.6	107	11	6.9	0	26.1	40
17/09/2022 09:20	4.9	94	14	6.8	0	26.9	36
17/09/2022 09:30	5.9	84	9	8.4	0	27	34
17/09/2022 09:40	6.1	83	9	8.5	0	27.4	32
17/09/2022 09:50	5.7	84	9	7.9	0	27.6	32
17/09/2022 10:00	5.8	83	9	7.7	0	27.5	33
17/09/2022 10:10	6.2	80	10	8.9	0	27.6	31
17/09/2022 10:20	6.3	83	9	8	0	27.3	32
17/09/2022 10:30	6.4	78	9	8	0	27.2	33
17/09/2022 10:40	6.2	77	10	8.3	0	27.5	32
17/09/2022 10:50	6.9	67	7	8.9	0	27.1	32
17/09/2022 11:00	7.5	67	7	9	0	26.7	31
17/09/2022 11:10	6.9	67	7	8.8	0	26.8	32
17/09/2022 11:20	6.9	66	8	8.9	0	27	31
17/09/2022 11:30	7.5	68	7	9.4	0	26.7	30
17/09/2022 11:40	7.2	70	8	9.1	0	26.8	30
17/09/2022 11:50	7.4	70	7	9.3	0	26.8	31
17/09/2022 12:00	6.9	66	8	8.3	0	26.9	31
17/09/2022 12:10	6.8	73	10	8.4	0	27.4	31
17/09/2022 12:20	6.7	81	8	8.2	0	27.4	33
17/09/2022 12:30	6.4	77	10	8.9	0	27.5	30
17/09/2022 12:40	6.1	81	8	8.1	0	28.1	29
17/09/2022 12:50	5.5	58	11	7.4	0	28.5	30
17/09/2022 13:00	6.2	53	8	7.8	0	28.2	28
17/09/2022 13:10	5.6	55	10	7.5	0	28.1	29
17/09/2022 13:20	5.7	56	9	7.6	0	28.6	27
17/09/2022 13:30	5.9	58	10	7.7	0	28.5	28
17/09/2022 13:40	5.3	62	12	7.4	0	28.6	27
17/09/2022 13:50	4.8	55	12	6.8	0	28.9	27
17/09/2022 14:00	4.7	49	11	6.1	0	28.8	27
17/09/2022 14:10	5.2	52	11	6.8	0	29	25
17/09/2022 14:20	5.6	53	9	6.7	0	29.2	24
17/09/2022 14:30	5.3	46	9	7.1	0	29.6	23
17/09/2022 14:40	5.7	53	9	7.3	0	29.6	21
17/09/2022 14:50	5.6	45	9	7	0	29.9	18
17/09/2022 15:00	5.8	53	8	7.3	0	30.1	17
17/09/2022 15:10	5.4	56	8	6.8	0	30.3	17
17/09/2022 15:20	5.5	57	8	6.6	0	30.6	16
17/09/2022 15:30	5.1	57	7	6.3	0	30.7	16
17/09/2022 15:40	5	62	8	6.4	0	30.8	16
17/09/2022 15:50	4.3	47	12	5.8	0	31.1	18
17/09/2022 16:00	4.5	10	11	6.1	0	31.1	20



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/09/2022 16:10	5.8	3	10	7.3	0	30.2	26
17/09/2022 16:20	5.8	4	8	7	0	29.3	31
17/09/2022 16:30	5.7	356	9	7.4	0	28.3	40
17/09/2022 16:40	6.4	2	9	7.9	0	27.8	39
17/09/2022 16:50	6	355	10	7.5	0	27.5	45
17/09/2022 17:00	6.2	349	6	7.7	0	27	48
17/09/2022 17:10	6.5	352	6	7.8	0	26.7	48
17/09/2022 17:20	6.4	351	6	7.5	0	26.5	49
17/09/2022 17:30	6.8	349	6	8.2	0	26.3	45
17/09/2022 17:40	7.2	352	6	8.4	0	26	43
17/09/2022 17:50	7.2	352	5	8.5	0	25.8	45
17/09/2022 18:00	6.2	347	8	7.5	0	25.6	52
17/09/2022 18:10	6.6	346	7	8	0	25.3	53
17/09/2022 18:20	6.2	344	7	7.5	0	25.3	53
17/09/2022 18:30	6.3	345	7	7.6	0	25.2	53
17/09/2022 18:40	5.9	341	6	7.3	0	25.2	53
17/09/2022 18:50	6.1	336	7	7.9	0	24.9	57
17/09/2022 19:00	6.6	336	7	8.3	0	24.7	60
17/09/2022 19:10	5.6	333	8	7.9	0	24.6	62
17/09/2022 19:20	6.2	330	8	8.3	0	24.5	64
17/09/2022 19:30	6.3	328	7	7.7	0	24.4	65
17/09/2022 19:40	5.3	325	9	7.3	0	24.4	67
17/09/2022 19:50	4.3	313	11	6.1	0	24.2	68
17/09/2022 20:00	3.2	304	14	4.6	0	24.1	68
17/09/2022 20:10	2.9	300	15	4.6	0	24	68
17/09/2022 20:20	3.7	300	11	5.6	0	24.1	68
17/09/2022 20:30	3.8	303	11	5.5	0	24.1	69
17/09/2022 20:40	3.7	298	11	5.6	0	24	69
17/09/2022 20:50	4	299	10	5.6	0	23.9	69
17/09/2022 21:00	3.6	296	10	5	0	23.8	70
17/09/2022 21:10	4	297	10	6	0	23.8	70
17/09/2022 21:20	3.9	296	10	5	0	23.7	71
17/09/2022 21:30	3.7	292	10	5.4	0	23.7	72
17/09/2022 21:40	3.7	286	7	4.7	0	23.6	72
17/09/2022 21:50	3.8	287	9	4.9	0	23.5	72
17/09/2022 22:00	3.8	282	7	5.2	0	23.5	72
17/09/2022 22:10	3.9	283	7	4.9	0	23.3	72
17/09/2022 22:20	3.7	279	7	4.5	0	23.4	72
17/09/2022 22:30	3.1	277	6	4	0	23.2	73
17/09/2022 22:40	2.4	272	6	3.1	0	22.9	75
17/09/2022 22:50	1.5	254	9	2.2	0	22.6	76
17/09/2022 23:00	2.1	254	7	2.6	0	22.6	78
17/09/2022 23:10	1.9	266	6	2.6	0	22.4	79
17/09/2022 23:20	2.3	256	4	2.8	0	22.1	80
17/09/2022 23:30	2.9	258	3	3.5	0	21.7	80
17/09/2022 23:40	2.4	268	5	2.8	0	21.8	80
17/09/2022 23:50	2.9	258	7	3.7	0	21.8	81
18/09/2022 00:00	2.8	260	6	3.5	0	22	81



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/09/2022 00:10	2.5	274	9	3.2	0	22	81
18/09/2022 00:20	2.1	290	9	2.8	0	21.9	81
18/09/2022 00:30	2	279	10	2.8	0	21.7	80
18/09/2022 00:40	1.1	259	13	2.6	0	21.3	81
18/09/2022 00:50	1.9	263	13	3.2	0	21.2	82
18/09/2022 01:00	1	259	13	2.5	0	21	83
18/09/2022 01:10	0.6	254	10	2.4	0	20.7	84
18/09/2022 01:20	1.3	233	15	2.8	0	20.8	84
18/09/2022 01:30	0.2	208	5	1.4	0	21	83
18/09/2022 01:40	0.7	234	15	1.6	0	21.1	81
18/09/2022 01:50	1.1	241	17	2.3	0	21	79
18/09/2022 02:00	1.5	253	12	2.5	0	20.8	78
18/09/2022 02:10	1.7	266	15	3	0	20.5	78
18/09/2022 02:20	1.4	258	17	2.9	0	20.5	77
18/09/2022 02:30	0.1	248	9	1	0	20.5	76
18/09/2022 02:40	1.6	263	9	2.8	0	20.5	74
18/09/2022 02:50	2.1	265	11	2.9	0	20.5	73
18/09/2022 03:00	0.5	272	8	2.3	0	20.3	73
18/09/2022 03:10	1.1	266	14	2.7	0	20.3	74
18/09/2022 03:20	1.7	262	11	3	0	20.4	73
18/09/2022 03:30	3.1	259	8	3.9	0	21.1	71
18/09/2022 03:40	3.1	261	9	3.9	0	21.2	69
18/09/2022 03:50	3.2	265	8	4	0	21.1	69
18/09/2022 04:00	3.5	258	13	4.6	0	21	69
18/09/2022 04:10	3.5	258	9	4.3	0	20.9	68
18/09/2022 04:20	3.7	260	9	4.7	0	20.7	68
18/09/2022 04:30	3.5	254	8	4.6	0	21	66
18/09/2022 04:40	3.4	267	6	4	0	20.7	67
18/09/2022 04:50	3.6	264	8	4	0	20.7	67
18/09/2022 05:00	3.8	268	6	4.5	0	20.7	67
18/09/2022 05:10	3.7	266	6	4.3	0	21	65
18/09/2022 05:20	3.7	263	8	4.4	0	20.9	65
18/09/2022 05:30	3.8	262	10	5.1	0	21.1	64
18/09/2022 05:40	3.7	260	8	4.5	0	20.6	66
18/09/2022 05:50	3.7	261	10	4.9	0	20.6	66
18/09/2022 06:00	3.7	273	7	4.3	0	20.6	67
18/09/2022 06:10	3.7	270	6	4.4	0	20.6	67
18/09/2022 06:20	3.5	267	7	4	0	20.4	67
18/09/2022 06:30	3.5	265	6	4.2	0	20.7	67
18/09/2022 06:40	3.2	263	8	4.1	0	21	66
18/09/2022 06:50	4	253	13	5.3	0	21.7	64
18/09/2022 07:00	3.6	261	10	5.3	0	22.5	60
18/09/2022 07:10	3.5	260	11	4.5	0	22.8	59
18/09/2022 07:20	3.6	259	11	5	0	23.3	57
18/09/2022 07:30	3.4	258	12	5	0	23.7	55
18/09/2022 07:40	3.4	252	11	4.9	0	24	53
18/09/2022 07:50	3.4	250	12	4.6	0	24.6	50
18/09/2022 08:00	3.6	246	15	5.2	0	25.2	47



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/09/2022 08:10	3.8	238	14	5.6	0	25.6	44
18/09/2022 08:20	4.4	236	10	5.8	0	25.7	43
18/09/2022 08:30	4.6	237	11	6.3	0	26.1	40
18/09/2022 08:40	3.7	231	13	5.1	0	26.6	39
18/09/2022 08:50	4.5	235	11	6	0	26.8	38
18/09/2022 09:00	4.7	231	12	6.6	0	26.9	36
18/09/2022 09:10	4.6	234	13	6.8	0	27.3	35
18/09/2022 09:20	4.4	233	13	6.6	0	27.8	33
18/09/2022 09:30	4.6	231	17	6.3	0	28.1	31
18/09/2022 09:40	5	237	14	6.4	0	28.1	31
18/09/2022 09:50	4.4	240	12	6	0	28.7	29
18/09/2022 10:00	5	230	12	6.5	0	28.8	28
18/09/2022 10:10	4.5	223	10	6.7	0	29.2	28
18/09/2022 10:20	3.9	251	18	5.7	0	29.8	29
18/09/2022 10:30	4.7	275	13	6.2	0	30.1	27
18/09/2022 10:40	4.7	277	10	5.8	0	29.9	28
18/09/2022 10:50	4.6	284	10	6	0	29.9	27
18/09/2022 11:00	4.7	284	10	6.2	0	29.9	29
18/09/2022 11:10	4.5	282	11	5.7	0	30.1	27
18/09/2022 11:20	4.5	279	11	5.8	0	30.4	23
18/09/2022 11:30	5	274	9	6.4	0	30.4	25
18/09/2022 11:40	4.6	279	11	5.9	0	30.5	25
18/09/2022 11:50	4.5	282	13	6.2	0	30.8	24
18/09/2022 12:00	5.3	276	11	7	0	30.7	22
18/09/2022 12:10	5.7	263	8	7.1	0	30.5	21
18/09/2022 12:20	5.6	263	13	7.1	0	31.1	19
18/09/2022 12:30	6.5	264	9	7.8	0	30.5	18
18/09/2022 12:40	7	268	7	8.4	0	30.3	17
18/09/2022 12:50	6.9	274	8	8.3	0	30.2	18
18/09/2022 13:00	7.4	273	7	8.8	0	29.8	18
18/09/2022 13:10	6.7	272	8	8.3	0	30	18
18/09/2022 13:20	6.9	273	8	8.5	0	29.9	17
18/09/2022 13:30	6.4	270	8	8.2	0	30	17
18/09/2022 13:40	6.8	273	8	8.5	0	30.1	16
18/09/2022 13:50	6.2	278	10	8.1	0	30.3	17
18/09/2022 14:00	5.4	276	10	7.3	0	30.6	18
18/09/2022 14:10	5.8	275	8	7.3	0	30.5	18
18/09/2022 14:20	6.3	254	7	7.6	0	30.4	18
18/09/2022 14:30	5.5	264	10	6.7	0	30.6	19
18/09/2022 14:40	6.3	262	9	8	0	30.5	19
18/09/2022 14:50	7.1	256	8	8.5	0	30	20
18/09/2022 15:00	7.4	260	8	9.2	0	29.6	22
18/09/2022 15:10	7.6	261	8	9.7	0	29.4	25
18/09/2022 15:20	7.2	263	9	9.1	0	29.2	26
18/09/2022 15:30	6.6	264	10	8.4	0	29	27
18/09/2022 15:40	6.6	263	9	8.5	0	28.8	30
18/09/2022 15:50	5.4	272	10	6.8	0	29.1	30
18/09/2022 16:00	5.7	276	8	7.3	0	28.5	32



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/09/2022 16:10	5.6	275	8	7.7	0	28.5	31
18/09/2022 16:20	6.3	273	8	7.9	0	28	35
18/09/2022 16:30	5.6	272	11	7.8	0	27.9	36
18/09/2022 16:40	5.9	267	11	7.9	0	27.5	39
18/09/2022 16:50	6.2	275	8	8.4	0	27.1	42
18/09/2022 17:00	6.6	275	7	8.9	0	26.9	45
18/09/2022 17:10	6.9	271	7	8.6	0	26.4	47
18/09/2022 17:20	6.6	270	8	8.4	0	26.3	49
18/09/2022 17:30	6.5	271	8	8.5	0	25.9	50
18/09/2022 17:40	5.9	273	7	7.6	0	25.7	49
18/09/2022 17:50	5.9	273	6	7.6	0	25.6	49
18/09/2022 18:00	6	272	7	7.4	0	25.4	51
18/09/2022 18:10	5.4	275	8	7.1	0	25.2	53
18/09/2022 18:20	5.2	276	8	6.9	0	25.1	52
18/09/2022 18:30	5.6	276	7	7.1	0	25	51
18/09/2022 18:40	4.5	278	7	6.2	0	24.9	52
18/09/2022 18:50	4.2	280	7	5.4	0	24.8	52
18/09/2022 19:00	4.2	280	6	5.8	0	24.8	48
18/09/2022 19:10	4.4	274	6	5.5	0	24.8	45
18/09/2022 19:20	4.1	271	6	5.3	0	24.7	44
18/09/2022 19:30	4	270	5	4.9	0	24.6	46
18/09/2022 19:40	4.1	269	6	5.2	0	24.4	50
18/09/2022 19:50	4.6	271	8	6.1	0	24.3	54
18/09/2022 20:00	5.1	269	7	6.6	0	24.1	62
18/09/2022 20:10	6.2	271	8	8.2	0	23.9	69
18/09/2022 20:20	5.6	270	7	7.7	0	23.8	70
18/09/2022 20:30	5.1	266	8	6.8	0	23.7	72
18/09/2022 20:40	4.1	266	8	5.8	0	23.5	74
18/09/2022 20:50	4.4	260	8	6	0	23.4	74
18/09/2022 21:00	3.9	258	8	5.1	0	23.3	74
18/09/2022 21:10	5	259	6	6	0	23.4	73
18/09/2022 21:20	4.7	262	7	6.4	0	23.4	72
18/09/2022 21:30	4.8	264	7	6.5	0	23.4	72
18/09/2022 21:40	4.2	265	7	5.5	0	23.2	73
18/09/2022 21:50	4.1	262	7	5.8	0	23.2	72
18/09/2022 22:00	4.5	261	7	5.9	0	23.3	72
18/09/2022 22:10	4.3	262	8	5.6	0	23.2	71
18/09/2022 22:20	3.7	273	7	4.7	0	23.1	73
18/09/2022 22:30	4.1	264	7	5.3	0	22.9	73
18/09/2022 22:40	3.4	261	8	4.4	0	22.9	73
18/09/2022 22:50	3.4	263	7	4.3	0	22.8	73
18/09/2022 23:00	3.4	265	7	4.4	0	22.8	71
18/09/2022 23:10	3.2	263	6	3.8	0	22.7	73
18/09/2022 23:20	3.6	262	7	4.6	0	22.7	73
18/09/2022 23:30	4	261	7	5	0	22.7	72
18/09/2022 23:40	5.5	265	8	6.9	0	23.2	71
18/09/2022 23:50	5.9	263	7	7.4	0	23.1	73
19/09/2022 00:00	5.2	262	8	7.5	0	23.1	74



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/09/2022 00:10	5.7	263	8	8	0	23.1	76
19/09/2022 00:20	6	264	8	8.3	0	23	77
19/09/2022 00:30	5.3	263	9	7.1	0	23	78
19/09/2022 00:40	6.1	264	8	8.2	0	23	80
19/09/2022 00:50	6.2	264	8	7.9	0	22.9	83
19/09/2022 01:00	5.6	262	8	7.2	0	22.7	83
19/09/2022 01:10	6.1	261	8	8	0	22.7	81
19/09/2022 01:20	6.4	258	7	8.2	0	22.8	80
19/09/2022 01:30	6	258	7	7.6	0	22.7	79
19/09/2022 01:40	6.2	260	7	8	0	22.7	78
19/09/2022 01:50	5.5	256	9	7.1	0	22.7	79
19/09/2022 02:00	6	255	8	8.1	0	22.4	78
19/09/2022 02:10	6.4	255	8	8.4	0	22.4	72
19/09/2022 02:20	6.2	254	8	7.8	0	22.2	71
19/09/2022 02:30	5.5	253	6	6.7	0	22	70
19/09/2022 02:40	5.3	252	8	7.5	0	21.8	69
19/09/2022 02:50	5.7	252	8	7.9	0	21.8	67
19/09/2022 03:00	5.8	253	8	8	0	21.6	68
19/09/2022 03:10	5.7	253	7	7.6	0	21.5	68
19/09/2022 03:20	5.7	249	8	7.7	0	21.3	68
19/09/2022 03:30	6.8	250	8	8.8	0	21.2	67
19/09/2022 03:40	5.2	249	9	7.6	0	21	68
19/09/2022 03:50	5.8	252	8	7.5	0	20.8	69
19/09/2022 04:00	5.7	251	7	7.5	0	20.6	69
19/09/2022 04:10	5.8	250	9	7.5	0	20.4	69
19/09/2022 04:20	5.5	253	8	6.9	0	20.2	69
19/09/2022 04:30	6.2	255	8	7.8	0	20.2	68
19/09/2022 04:40	6	253	8	7.9	0	20	68
19/09/2022 04:50	6.1	252	8	7.8	0	20	68
19/09/2022 05:00	6.6	252	7	8.4	0	19.9	68
19/09/2022 05:10	6.9	252	7	8.9	0	19.8	67
19/09/2022 05:20	6.4	255	7	8.3	0	19.7	67
19/09/2022 05:30	6.6	252	9	8.4	0	19.6	66
19/09/2022 05:40	7.2	254	7	9.2	0	19.5	66
19/09/2022 05:50	7	255	8	9.7	0	19.4	67
19/09/2022 06:00	6.5	255	8	8.6	0	19.3	67
19/09/2022 06:10	6.7	255	7	9	0	19.2	68
19/09/2022 06:20	6.8	255	7	9.1	0	19.1	69
19/09/2022 06:30	6.8	255	8	8.5	0	19.2	69
19/09/2022 06:40	6.6	255	7	8.3	0	19.3	69
19/09/2022 06:50	7	253	7	9.1	0	19.4	69
19/09/2022 07:00	6.9	253	9	9.1	0	19.6	68
19/09/2022 07:10	6.5	251	8	8.4	0	19.9	67
19/09/2022 07:20	6.6	249	9	9.1	0	20.2	66
19/09/2022 07:30	6.9	247	12	9.6	0	20.4	65
19/09/2022 07:40	6.8	245	10	9.8	0	20.6	63
19/09/2022 07:50	6.8	242	12	10.1	0	20.8	63
19/09/2022 08:00	6.8	235	12	10.5	0	21.1	62



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/09/2022 08:10	7.4	233	12	9.5	0	21.4	61
19/09/2022 08:20	6.7	230	12	9.4	0	21.8	59
19/09/2022 08:30	7	235	12	9.5	0	22	59
19/09/2022 08:40	7	237	12	9.8	0	22.1	58
19/09/2022 08:50	7.1	234	13	10.4	0	22.3	57
19/09/2022 09:00	6.8	239	12	9.4	0	22.7	55
19/09/2022 09:10	7.2	229	11	10.1	0	22.6	54
19/09/2022 09:20	7.2	231	13	9.6	0	23	53
19/09/2022 09:30	7.4	232	13	10.1	0	23.2	51
19/09/2022 09:40	7	232	12	9.7	0	23.7	50
19/09/2022 09:50	7.1	233	13	9.5	0	23.8	48
19/09/2022 10:00	7.5	231	12	10.8	0	24	48
19/09/2022 10:10	6.5	236	14	9.1	0	24.4	46
19/09/2022 10:20	6.5	235	13	8.9	0	24.9	44
19/09/2022 10:30	7.3	233	12	10.1	0	24.9	44
19/09/2022 10:40	6.9	229	11	10.2	0	25.1	42
19/09/2022 10:50	7.2	240	15	9.8	0	25.6	41
19/09/2022 11:00	6.6	242	13	9.8	0	26	40
19/09/2022 11:10	7.2	235	15	10.4	0	26.1	39
19/09/2022 11:20	7.3	237	13	9.9	0	26.1	38
19/09/2022 11:30	7.5	238	15	10	0	26.2	37
19/09/2022 11:40	7.5	236	14	10.4	0	26.4	36
19/09/2022 11:50	7.9	230	15	11.2	0	26.9	35
19/09/2022 12:00	7.7	239	11	10.6	0	26.7	35
19/09/2022 12:10	7.6	237	12	10.4	0	26.8	34
19/09/2022 12:20	8	235	14	10.8	0	27.6	32
19/09/2022 12:30	9	224	12	12.6	0	27.5	31
19/09/2022 12:40	8.5	243	10	11.2	0.1	27.8	30
19/09/2022 12:50	8.2	240	12	11.1	0	27.6	31
19/09/2022 13:00	8.3	229	12	12.1	0	27.8	29
19/09/2022 13:10	8.2	240	12	11	0	27.9	29
19/09/2022 13:20	8.5	239	12	11.2	0	28.3	28
19/09/2022 13:30	7.8	226	18	11.5	0	28.7	29
19/09/2022 13:40	7.5	237	14	10.7	0	28.9	27
19/09/2022 13:50	8.2	235	13	11	0	28.9	26
19/09/2022 14:00	7.9	235	11	10.8	0	29.1	25
19/09/2022 14:10	8.2	228	12	11.3	0.1	29.2	26
19/09/2022 14:20	8	234	13	10.6	0	29.3	25
19/09/2022 14:30	7.4	238	12	10.9	0	29.3	24
19/09/2022 14:40	7.8	235	14	10.8	0	29.7	24
19/09/2022 14:50	7.8	234	15	11.1	0	29.7	23
19/09/2022 15:00	7.6	235	14	11.5	0	30	22
19/09/2022 15:10	6.8	231	12	9.8	0	30	22
19/09/2022 15:20	8	251	15	11	0	28.3	40
19/09/2022 15:30	9.9	272	8	13	0	25.9	54
19/09/2022 15:40	10.2	270	8	12.9	0	25.5	55
19/09/2022 15:50	10.3	270	8	13.8	0	25.4	55
19/09/2022 16:00	9.7	270	9	13.6	0	25.3	57



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/09/2022 16:10	10.5	271	10	13.6	0	24.9	59
19/09/2022 16:20	9.7	273	9	13	0	24.9	60
19/09/2022 16:30	9.3	274	8	12.8	0	24.9	59
19/09/2022 16:40	9.7	269	9	12.2	0	24.9	58
19/09/2022 16:50	9.3	271	8	12	0	24.8	59
19/09/2022 17:00	8.2	268	8	11	0	24.9	59
19/09/2022 17:10	8.2	271	7	10.8	0	24.9	60
19/09/2022 17:20	8	267	7	11	0	24.7	59
19/09/2022 17:30	7.6	267	7	10.5	0	24.7	58
19/09/2022 17:40	7.7	266	8	10.9	0	24.6	58
19/09/2022 17:50	8.1	267	9	10.5	0	24.1	63
19/09/2022 18:00	8.6	263	7	10.7	0	23.7	66
19/09/2022 18:10	7.5	261	8	10.1	0	23.5	66
19/09/2022 18:20	7.8	260	8	10.2	0	23.4	67
19/09/2022 18:30	7.2	265	8	9.2	0	23.2	70
19/09/2022 18:40	6.6	267	8	8.6	0	23.2	70
19/09/2022 18:50	6.8	262	7	9.3	0	23.1	71
19/09/2022 19:00	5.7	259	7	7.3	0	22.9	72
19/09/2022 19:10	5.6	256	7	7.6	0	22.9	71
19/09/2022 19:20	6.2	254	7	7.9	0	22.9	71
19/09/2022 19:30	6.1	256	7	7.6	0	22.9	72
19/09/2022 19:40	5.4	258	6	7	0	22.8	72
19/09/2022 19:50	4.6	256	7	5.8	0	22.7	72
19/09/2022 20:00	4.8	258	6	6.1	0	22.7	70
19/09/2022 20:10	4.2	257	6	5.3	0	22.6	70
19/09/2022 20:20	4.3	253	7	5.3	0	22.6	63
19/09/2022 20:30	4	255	5	4.9	0	22.5	64
19/09/2022 20:40	4.4	255	6	5.5	0	22.6	57
19/09/2022 20:50	4.1	255	7	5.5	0	22.7	51
19/09/2022 21:00	4.6	243	9	6.8	0	23.8	40
19/09/2022 21:10	5.1	235	11	7.1	0	25.2	33
19/09/2022 21:20	5.8	232	10	8.2	0	25.3	32
19/09/2022 21:30	5.7	234	9	8.3	0	25	33
19/09/2022 21:40	5.4	232	9	7.3	0	24.9	33
19/09/2022 21:50	4.3	234	11	5.9	0	24.9	32
19/09/2022 22:00	4.6	239	12	7.5	0	24.6	32
19/09/2022 22:10	5.2	236	9	7.4	0	24.5	32
19/09/2022 22:20	5.7	238	9	7.6	0	24.2	33
19/09/2022 22:30	5.4	238	8	6.8	0	23.9	33
19/09/2022 22:40	5	239	9	7	0	23.7	33
19/09/2022 22:50	4.9	239	9	6.8	0	23.6	33
19/09/2022 23:00	5.7	237	8	7.6	0	23.6	33
19/09/2022 23:10	5.7	236	8	7.5	0	23.6	34
19/09/2022 23:20	5.8	236	11	7.6	0	23.5	34
19/09/2022 23:30	5.5	237	9	7.3	0	23.2	35
19/09/2022 23:40	5.7	236	9	8.1	0	23.1	35
19/09/2022 23:50	5.8	234	10	7.7	0	22.9	37
20/09/2022 00:00	5.5	223	13	8	0	23	40





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/09/2022 00:10	5.8	218	13	7.7	0	22.9	40
20/09/2022 00:20	5.7	215	11	7.8	0	22.7	40
20/09/2022 00:30	6.8	210	12	9.4	0	22.4	38
20/09/2022 00:40	7	208	11	9.7	0	22	37
20/09/2022 00:50	5.9	204	10	8.6	0	21.7	38
20/09/2022 01:00	5.2	200	11	8	0	21.7	38
20/09/2022 01:10	5.3	195	11	8.1	0	21.5	38
20/09/2022 01:20	5.1	191	11	7.2	0	21.3	38
20/09/2022 01:30	5.3	192	12	7.5	0	21.2	39
20/09/2022 01:40	5.9	189	11	8.6	0	20.9	39
20/09/2022 01:50	6.1	189	11	10.6	0	20.8	39
20/09/2022 02:00	6.4	192	12	9.6	0	20.7	38
20/09/2022 02:10	5.8	193	11	8.4	0	20.5	38
20/09/2022 02:20	5.9	191	11	8	0	20.3	38
20/09/2022 02:30	5.8	195	11	8.1	0	20	39
20/09/2022 02:40	6.1	195	11	8.5	0	19.9	39
20/09/2022 02:50	6.6	195	9	9.3	0	19.9	38
20/09/2022 03:00	5	193	12	7	0	19.8	37
20/09/2022 03:10	5.1	190	10	7.6	0	19.6	37
20/09/2022 03:20	5.7	193	12	8	0	19.6	36
20/09/2022 03:30	5.4	188	12	7.8	0	19.5	36
20/09/2022 03:40	5.6	190	10	7.6	0	19.5	35
20/09/2022 03:50	4.7	194	10	6.8	0	19.2	36
20/09/2022 04:00	4.5	192	11	6.5	0	18.9	36
20/09/2022 04:10	5.1	191	10	6.9	0	18.7	36
20/09/2022 04:20	4.6	188	11	6.4	0	18.6	37
20/09/2022 04:30	4.1	186	12	6.4	0	18.3	37
20/09/2022 04:40	4.3	183	11	6.6	0	18.2	37
20/09/2022 04:50	4	184	12	6	0	18.1	38
20/09/2022 05:00	4.2	186	13	6.4	0	18	37
20/09/2022 05:10	4	185	12	6.3	0	18.1	37
20/09/2022 05:20	3.6	188	10	5.4	0	17.8	37
20/09/2022 05:30	3.2	189	11	4.6	0	17.7	37
20/09/2022 05:40	3.9	189	10	5	0	17.9	36
20/09/2022 05:50	4	188	10	5.8	0	17.7	37
20/09/2022 06:00	3.7	182	9	5.3	0	17.6	37
20/09/2022 06:10	3.5	179	10	4.9	0	17.4	37
20/09/2022 06:20	3.1	178	11	4.7	0	17.4	37
20/09/2022 06:30	3.2	177	9	4.4	0	17.8	37
20/09/2022 06:40	3.6	176	13	5.4	0	18.1	36
20/09/2022 06:50	3.5	170	14	5.6	0	18.5	35
20/09/2022 07:00	3.7	174	13	5.1	0	18.5	35
20/09/2022 07:10	2.7	169	18	4.3	0	18.7	35
20/09/2022 07:20	3	166	16	4.5	0	18.9	34
20/09/2022 07:30	3.1	156	17	4.9	0	19.2	33
20/09/2022 07:40	2.7	160	20	4.8	0	19.3	34
20/09/2022 07:50	3.2	152	19	5.5	0	19.5	34
20/09/2022 08:00	3.4	154	17	6.3	0	19.6	35



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/09/2022 08:10	3.3	159	21	5.3	0	19.9	35
20/09/2022 08:20	3.7	157	19	5.4	0	20.2	34
20/09/2022 08:30	3.6	152	15	5.7	0	20.6	34
20/09/2022 08:40	3.2	136	17	5.6	0	21.3	33
20/09/2022 08:50	3.7	143	19	5.8	0	21.4	31
20/09/2022 09:00	3.3	145	18	5	0	21.8	30
20/09/2022 09:10	4.3	140	14	7.3	0	22.1	31
20/09/2022 09:20	3.4	143	19	5.5	0	22.4	30
20/09/2022 09:30	3.9	130	17	6.3	0	22.8	31
20/09/2022 09:40	4.1	136	19	6.6	0	23.2	30
20/09/2022 09:50	3.4	131	19	6.6	0	23.5	30
20/09/2022 10:00	3.8	122	18	5.8	0	24	30
20/09/2022 10:10	4	120	17	6	0	23.8	29
20/09/2022 10:20	3.7	120	15	6	0	24.2	28
20/09/2022 10:30	4	117	14	5.8	0	24.3	28
20/09/2022 10:40	3.9	113	15	5.5	0	24.5	27
20/09/2022 10:50	3.7	121	16	5.6	0	24.7	27
20/09/2022 11:00	3.8	108	14	5.7	0	25.2	26
20/09/2022 11:10	3.7	102	17	5.1	0	24.9	28
20/09/2022 11:20	3.9	104	21	5.4	0	25.1	26
20/09/2022 11:30	3.5	119	18	5.1	0	25.4	25
20/09/2022 11:40	3.1	99	22	4.8	0	25.6	25
20/09/2022 11:50	3.4	111	21	5.5	0	26.1	25
20/09/2022 12:00	4.1	61	21	6.3	0	25.8	29
20/09/2022 12:10	4.3	46	13	5.9	0	25.3	30
20/09/2022 12:20	4.3	46	12	5.8	0	25.2	31
20/09/2022 12:30	4.1	52	13	5.6	0	25.2	31
20/09/2022 12:40	4	39	16	5.5	0	25.4	32
20/09/2022 12:50	4.4	48	12	5.7	0	25.4	31
20/09/2022 13:00	4.4	48	16	6.3	0	25.8	31
20/09/2022 13:10	4.7	54	16	6.5	0	25.9	30
20/09/2022 13:20	4.7	51	9	6.4	0	25.9	30
20/09/2022 13:30	4.5	45	10	5.8	0	26.1	30
20/09/2022 13:40	4.6	48	9	6.2	0	25.9	30
20/09/2022 13:50	4.4	55	10	5.7	0	26.1	29
20/09/2022 14:00	4.2	56	10	5.7	0	26.7	27
20/09/2022 14:10	4.7	54	11	5.9	0	26.6	28
20/09/2022 14:20	5.1	61	10	6.4	0	26.7	27
20/09/2022 14:30	5	67	10	6.2	0	26.7	25
20/09/2022 14:40	4.7	54	11	6.1	0	26.7	27
20/09/2022 14:50	4.6	62	9	6	0	27.1	23
20/09/2022 15:00	4.2	57	11	5.6	0	27.1	26
20/09/2022 15:10	4.2	49	9	5.4	0	27.4	25
20/09/2022 15:20	4.3	44	12	5.6	0	27.3	24
20/09/2022 15:30	4.1	45	11	5.3	0	27.1	24
20/09/2022 15:40	2.9	12	33	4.6	0	26.7	32
20/09/2022 15:50	3	4	18	4.8	0	26.7	34
20/09/2022 16:00	3.3	351	14	5.2	0	26.7	36



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/09/2022 16:10	3.2	185	12	4.9	0	26.1	38
20/09/2022 16:20	3	9	14	4.7	0	26.3	36
20/09/2022 16:30	2.5	178	15	4.3	0	26.3	37
20/09/2022 16:40	3.1	161	17	4.4	0	26	39
20/09/2022 16:50	4.1	307	10	5.4	0	25	44
20/09/2022 17:00	3.7	320	10	5.2	0	24.7	43
20/09/2022 17:10	3.2	293	12	4.2	0	24.9	41
20/09/2022 17:20	3.5	287	10	4.8	0	24.3	44
20/09/2022 17:30	3.4	303	13	4.7	0	24.2	44
20/09/2022 17:40	3.3	306	13	4.5	0	23.8	44
20/09/2022 17:50	3.4	301	12	4.7	0	23.9	42
20/09/2022 18:00	2.6	315	14	4.2	0	23.8	42
20/09/2022 18:10	3.6	306	12	4.8	0	23.5	42
20/09/2022 18:20	3.1	292	11	4.3	0	23.4	46
20/09/2022 18:30	3.1	293	10	4.4	0	23.1	49
20/09/2022 18:40	3.3	302	11	4.8	0	23	48
20/09/2022 18:50	3.3	299	11	4.9	0	22.9	49
20/09/2022 19:00	3.4	298	11	4.9	0	22.8	50
20/09/2022 19:10	3.3	289	9	4.3	0	22.6	51
20/09/2022 19:20	3.8	281	7	4.9	0	22.3	53
20/09/2022 19:30	3.5	281	7	4.4	0	22.1	54
20/09/2022 19:40	2.9	280	8	4	0	21.8	55
20/09/2022 19:50	3	285	8	4	0	21.9	55
20/09/2022 20:00	2.8	283	7	3.4	0	21.8	55
20/09/2022 20:10	3	278	7	4	0	21.5	57
20/09/2022 20:20	3.3	277	6	4.4	0	21.6	57
20/09/2022 20:30	2.6	280	7	3.5	0	21.5	58
20/09/2022 20:40	2.8	273	5	3.4	0	21.2	59
20/09/2022 20:50	2.8	275	4	3.3	0	21.2	60
20/09/2022 21:00	2.8	274	6	3.6	0	21	60
20/09/2022 21:10	2.9	276	5	3.6	0	21.1	60
20/09/2022 21:20	3.3	276	5	4	0	21.1	59
20/09/2022 21:30	3.2	272	5	3.9	0	21.1	60
20/09/2022 21:40	3.3	266	5	4.1	0	21.1	61
20/09/2022 21:50	3.1	266	5	4	0	21	60
20/09/2022 22:00	3	261	3	3.5	0	20.5	62
20/09/2022 22:10	3.4	263	2	3.7	0	20.3	65
20/09/2022 22:20	3.5	261	3	3.9	0	20.1	66
20/09/2022 22:30	3.1	264	4	3.7	0	20	67
20/09/2022 22:40	3.1	259	4	3.7	0	19.7	68
20/09/2022 22:50	3.4	259	3	3.7	0	19.6	68
20/09/2022 23:00	3.1	259	3	3.5	0	19.5	68
20/09/2022 23:10	2.9	260	3	3.5	0	19.4	69
20/09/2022 23:20	2.8	263	3	3.3	0	19.6	69
20/09/2022 23:30	2.6	268	5	3.1	0	19.8	68
20/09/2022 23:40	2.9	261	4	3.3	0	19.8	69
20/09/2022 23:50	2.6	267	4	3	0	19.6	69
21/09/2022 00:00	2.6	268	4	2.9	0	20	69



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/09/2022 00:10	2.4	270	5	2.9	0	19.9	70
21/09/2022 00:20	2.6	267	3	2.9	0	19.8	69
21/09/2022 00:30	2.5	265	5	3	0	19.5	70
21/09/2022 00:40	2.5	265	6	3.1	0	19.9	69
21/09/2022 00:50	2.4	263	7	3	0	19.8	70
21/09/2022 01:00	1.5	273	5	2.4	0	19.5	70
21/09/2022 01:10	0	296	0	1.1	0	19.3	72
21/09/2022 01:20	0	238	0	0.3	0	19.7	72
21/09/2022 01:30	0	169	6	0	0	19.7	72
21/09/2022 01:40	0.1	160	10	1	0	19	73
21/09/2022 01:50	0	256	5	0.1	0	19.4	74
21/09/2022 02:00	0.1	215	9	1.2	0	19.5	73
21/09/2022 02:10	0.1	236	5	0.7	0	19.5	72
21/09/2022 02:20	0.1	263	3	0.9	0	19.3	71
21/09/2022 02:30	0	241	7	0	0	19.1	72
21/09/2022 02:40	0.8	246	16	1.8	0	19.4	72
21/09/2022 02:50	0.2	274	10	0.8	0	19.4	71
21/09/2022 03:00	0	282	2	0.1	0	19	73
21/09/2022 03:10	0	262	2	0	0	19.2	72
21/09/2022 03:20	0	350	0	0	0	18.9	73
21/09/2022 03:30	0	353	0	0	0	19	73
21/09/2022 03:40	1	266	5	1.5	0	19	69
21/09/2022 03:50	2.3	174	6	2.9	0	19.6	58
21/09/2022 04:00	2	170	10	2.6	0	20.1	54
21/09/2022 04:10	0.8	153	13	2.1	0	19.9	54
21/09/2022 04:20	2	167	10	3.2	0	19.9	52
21/09/2022 04:30	1.2	158	15	2.7	0	20	51
21/09/2022 04:40	1.6	155	12	2.5	0	19.9	53
21/09/2022 04:50	2.1	168	12	2.7	0	20	54
21/09/2022 05:00	1.5	140	23	2.5	0	18.9	56
21/09/2022 05:10	0	60	0	0	0	18.4	58
21/09/2022 05:20	0	94	1	0	0	18.3	59
21/09/2022 05:30	0	126	10	0.1	0	18.3	58
21/09/2022 05:40	0.5	358	8	0.9	0	18.7	57
21/09/2022 05:50	0.1	47	8	0.9	0	19	55
21/09/2022 06:00	1.6	153	17	2.7	0	19.5	48
21/09/2022 06:10	1.9	154	13	2.8	0	20.2	44
21/09/2022 06:20	1.4	165	11	2.4	0	20.3	44
21/09/2022 06:30	1.2	137	13	2.6	0	20	46
21/09/2022 06:40	2.5	117	10	3.4	0	20.6	44
21/09/2022 06:50	2.7	116	10	3.6	0.1	21	44
21/09/2022 07:00	2.6	114	9	3.8	0	21.4	45
21/09/2022 07:10	2.5	110	11	3.8	0	21.5	47
21/09/2022 07:20	2.6	112	13	4.1	0	21.6	50
21/09/2022 07:30	3.4	111	12	5.5	0	22.1	46
21/09/2022 07:40	3.8	112	14	5.2	0	22.4	42
21/09/2022 07:50	3.9	110	12	5.9	0	22.4	42
21/09/2022 08:00	4.1	104	15	6.2	0	22.5	42



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/09/2022 08:10	4.2	105	14	5.9	0	22.7	42
21/09/2022 08:20	4.2	112	13	5.8	0	22.7	43
21/09/2022 08:30	4.6	109	13	6.2	0	23.2	41
21/09/2022 08:40	4.2	106	12	5.7	0	23.7	41
21/09/2022 08:50	4	114	13	5.5	0	24	44
21/09/2022 09:00	4.9	100	15	6.9	0	24.9	37
21/09/2022 09:10	4.9	96	14	6.6	0	25.4	35
21/09/2022 09:20	5.4	91	13	7.3	0	25.6	35
21/09/2022 09:30	6.2	89	8	8.1	0	25.3	35
21/09/2022 09:40	5.6	91	11	7.6	0	25.6	34
21/09/2022 09:50	5.4	89	11	7.2	0	25.6	35
21/09/2022 10:00	5.5	85	10	7.8	0	25.7	34
21/09/2022 10:10	5.7	82	9	7.6	0	26	34
21/09/2022 10:20	6.1	74	10	7.7	0	25.8	36
21/09/2022 10:30	6.5	69	7	8.1	0	25.5	36
21/09/2022 10:40	6.6	68	7	8.8	0	25.5	36
21/09/2022 10:50	6.7	74	8	9.3	0	25.4	36
21/09/2022 11:00	6.4	84	9	8	0	25.9	35
21/09/2022 11:10	5.6	73	11	7.4	0	26.1	36
21/09/2022 11:20	5.1	64	13	6.9	0	26.6	33
21/09/2022 11:30	5.1	56	11	7.3	0	26.6	33
21/09/2022 11:40	5.4	54	10	7.3	0	26.4	32
21/09/2022 11:50	4.9	54	12	6.5	0	26.8	33
21/09/2022 12:00	5.5	53	10	7.2	0	26.6	33
21/09/2022 12:10	5.1	51	10	6.8	0	26.9	33
21/09/2022 12:20	4.9	55	11	6.7	0	27.3	32
21/09/2022 12:30	5.3	55	9	7.3	0	27.3	30
21/09/2022 12:40	5.5	54	9	7.2	0	27.5	30
21/09/2022 12:50	4.9	60	11	6.6	0	27.6	30
21/09/2022 13:00	4.5	55	11	5.9	0	27.5	29
21/09/2022 13:10	4.7	78	12	6.4	0	28.1	27
21/09/2022 13:20	4.4	82	10	5.9	0	28.2	27
21/09/2022 13:30	4.5	85	8	5.9	0	28.2	27
21/09/2022 13:40	4.8	85	8	6.1	0	28.2	26
21/09/2022 13:50	4.6	77	12	6.6	0	28.3	25
21/09/2022 14:00	4.1	53	12	5.9	0	29	24
21/09/2022 14:10	4.2	52	11	6.1	0	28.8	23
21/09/2022 14:20	4.3	80	13	5.6	0	29	23
21/09/2022 14:30	4.1	76	11	5.6	0	29.2	22
21/09/2022 14:40	4.9	65	12	6.7	0	29.2	22
21/09/2022 14:50	4.9	61	12	6.6	0	29	22
21/09/2022 15:00	5	57	10	6.7	0	29.2	21
21/09/2022 15:10	4.7	60	10	5.9	0	29.1	21
21/09/2022 15:20	4.6	56	12	6.1	0	29.3	21
21/09/2022 15:30	4.3	51	9	5.7	0	29.4	21
21/09/2022 15:40	4.2	56	12	5.8	0	29.5	21
21/09/2022 15:50	5.3	52	9	6.6	0	29.1	19
21/09/2022 16:00	5	52	9	6.5	0	29.2	18



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/09/2022 16:10	4.5	54	7	5.8	0	29.3	17
21/09/2022 16:20	4.3	58	11	5.4	0	29.2	18
21/09/2022 16:30	4.3	60	8	5.6	0	29.2	17
21/09/2022 16:40	4.4	70	9	5.6	0	29.1	18
21/09/2022 16:50	4.8	64	8	6.1	0	29.1	17
21/09/2022 17:00	4.3	60	8	5.5	0	29	18
21/09/2022 17:10	2.7	37	15	4.2	0	28.7	26
21/09/2022 17:20	1.7	179	8	2.5	0	28.2	29
21/09/2022 17:30	1.7	356	10	2.6	0	28	29
21/09/2022 17:40	2	182	8	2.7	0	28	27
21/09/2022 17:50	2	4	5	2.6	0	27.8	28
21/09/2022 18:00	2.1	351	12	2.7	0	27.4	30
21/09/2022 18:10	1.4	339	10	2.2	0	26.8	32
21/09/2022 18:20	1.7	338	7	2.2	0	26.3	35
21/09/2022 18:30	1.7	316	6	2	0	26	35
21/09/2022 18:40	1.6	324	9	2	0	25.8	33
21/09/2022 18:50	1.7	268	10	2.1	0	25.1	36
21/09/2022 19:00	2	252	6	2.6	0	24.3	46
21/09/2022 19:10	3	264	7	4	0	23.7	52
21/09/2022 19:20	2.6	277	5	3.1	0	23.9	51
21/09/2022 19:30	2.8	272	3	3.2	0	23.6	56
21/09/2022 19:40	3.5	271	2	3.8	0	23.4	58
21/09/2022 19:50	3.2	276	4	3.9	0	23.4	59
21/09/2022 20:00	2.8	261	4	3.3	0	23.1	65
21/09/2022 20:10	2.8	263	3	3.2	0	22.7	68
21/09/2022 20:20	3.2	269	3	3.7	0	22.7	71
21/09/2022 20:30	3.5	268	4	4.1	0	22.6	72
21/09/2022 20:40	3.5	262	3	4	0	22.7	71
21/09/2022 20:50	3.1	265	4	3.5	0	22.5	68
21/09/2022 21:00	2.4	277	4	3.1	0	22.7	66
21/09/2022 21:10	3.8	264	5	4.6	0	22.3	68
21/09/2022 21:20	3.5	267	4	4	0	22.3	68
21/09/2022 21:30	3.8	272	2	4.3	0	22.4	66
21/09/2022 21:40	3.6	273	4	3.9	0	22.1	67
21/09/2022 21:50	3.6	273	3	3.9	0	22.5	64
21/09/2022 22:00	3.3	275	3	3.5	0	22.4	67
21/09/2022 22:10	3.1	277	2	3.4	0	22.2	70
21/09/2022 22:20	3.3	282	4	3.7	0	22.1	70
21/09/2022 22:30	2.7	285	4	3.1	0	22.1	69
21/09/2022 22:40	2.8	284	5	3.3	0	21.9	68
21/09/2022 22:50	3.1	281	5	3.5	0	21.7	65
21/09/2022 23:00	3.2	282	4	3.6	0	21.7	62
21/09/2022 23:10	3.4	280	4	3.8	0	21.9	60
21/09/2022 23:20	3.6	276	4	3.9	0	21.8	60
21/09/2022 23:30	3.7	274	3	4.1	0	21.7	59
21/09/2022 23:40	3.6	273	3	3.9	0	21.6	57
21/09/2022 23:50	3.8	265	5	4.3	0	21.3	57
22/09/2022 00:00	3.8	266	5	4.4	0	21.3	54



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/09/2022 00:10	3.6	266	7	4.1	0	21.7	50
22/09/2022 00:20	3.4	269	4	3.8	0	22	48
22/09/2022 00:30	3.3	274	7	3.9	0	22.3	45
22/09/2022 00:40	3.6	273	8	4.1	0	22.1	45
22/09/2022 00:50	3.4	268	9	4.5	0	21.9	43
22/09/2022 01:00	3.6	254	14	4.9	0	22.1	42
22/09/2022 01:10	3.8	263	9	4.8	0	22.6	40
22/09/2022 01:20	3.5	257	14	4.8	0	22.3	41
22/09/2022 01:30	3	279	9	3.7	0	21.8	42
22/09/2022 01:40	3.4	277	6	4	0	22	41
22/09/2022 01:50	3.4	273	8	4.2	0	22.2	39
22/09/2022 02:00	3	276	7	3.8	0	22.1	39
22/09/2022 02:10	2.9	275	6	3.5	0	21.9	39
22/09/2022 02:20	3.1	274	6	3.5	0	21.3	41
22/09/2022 02:30	3.2	267	8	4.2	0	21.5	40
22/09/2022 02:40	3.5	263	10	5.2	0	22.1	39
22/09/2022 02:50	4	262	8	5.2	0	21.9	41
22/09/2022 03:00	4.3	260	7	5.7	0	21.8	44
22/09/2022 03:10	3.5	265	9	4.9	0	21.4	46
22/09/2022 03:20	3.6	264	8	4.6	0	21.3	45
22/09/2022 03:30	3.3	268	8	4.4	0	21.1	45
22/09/2022 03:40	3	265	10	4.2	0	20.9	46
22/09/2022 03:50	2.4	267	12	3.7	0	20.7	47
22/09/2022 04:00	0.1	231	14	1.4	0	20.2	49
22/09/2022 04:10	2.3	277	8	3.4	0	20.3	48
22/09/2022 04:20	3.3	279	6	3.9	0	21.2	44
22/09/2022 04:30	3.3	277	7	3.8	0	21.6	42
22/09/2022 04:40	3.3	275	5	3.8	0	21.9	41
22/09/2022 04:50	3.4	277	5	3.9	0	22	41
22/09/2022 05:00	3.3	277	5	3.9	0	21.6	43
22/09/2022 05:10	3.3	268	4	3.8	0	21.2	43
22/09/2022 05:20	3.2	271	4	3.7	0	21.2	42
22/09/2022 05:30	3.5	271	4	4	0	21.2	41
22/09/2022 05:40	3.3	269	4	3.7	0	21	42
22/09/2022 05:50	3	274	5	3.4	0	21	41
22/09/2022 06:00	3.1	272	5	3.6	0	20.9	40
22/09/2022 06:10	2.5	275	5	3.2	0	20.9	40
22/09/2022 06:20	2.2	275	3	2.6	0	21.3	38
22/09/2022 06:30	2.2	272	3	2.4	0	21.7	38
22/09/2022 06:40	2.1	271	3	2.5	0	21.8	39
22/09/2022 06:50	2	261	6	2.4	0	22.3	38
22/09/2022 07:00	2.4	257	5	2.9	0	22.7	38
22/09/2022 07:10	2.7	263	6	3.4	0	23.1	37
22/09/2022 07:20	3.1	268	7	4.1	0	23.6	35
22/09/2022 07:30	3	262	8	3.7	0	23.8	35
22/09/2022 07:40	2.2	265	10	2.9	0	24.1	36
22/09/2022 07:50	1.9	262	10	2.7	0	24.5	36
22/09/2022 08:00	1.8	259	13	2.5	0	25	36



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/09/2022 08:10	1.4	269	19	2.2	0	25.6	35
22/09/2022 08:20	0.1	229	9	1.4	0	26.3	33
22/09/2022 08:30	0.5	193	13	1.4	0	26.4	32
22/09/2022 08:40	1.3	202	14	2.5	0	26.9	30
22/09/2022 08:50	0.8	218	16	1.9	0	27.3	30
22/09/2022 09:00	1.1	194	13	2.1	0	27.7	28
22/09/2022 09:10	0.6	196	8	1.8	0	28	26
22/09/2022 09:20	0.1	206	5	0.5	0.1	28.9	25
22/09/2022 09:30	1.5	121	23	2.3	0	29.8	25
22/09/2022 09:40	1.7	127	13	2.9	0	30	24
22/09/2022 09:50	1.6	100	16	2.7	0	30.3	21
22/09/2022 10:00	1.4	99	23	2.3	0	29.8	22
22/09/2022 10:10	1.2	112	20	2.6	0	30.3	21
22/09/2022 10:20	1.8	110	22	3.2	0	30.7	20
22/09/2022 10:30	1.6	136	13	2.6	0	30.4	20
22/09/2022 10:40	2	132	18	2.7	0	30.6	20
22/09/2022 10:50	1	151	39	2.5	0	31.1	20
22/09/2022 11:00	1	129	18	2.3	0	31.4	18
22/09/2022 11:10	1.3	72	14	2.5	0	31.5	18
22/09/2022 11:20	1.4	137	24	2.5	0	31.6	18
22/09/2022 11:30	0.6	176	20	2.2	0	32	19
22/09/2022 11:40	1.2	299	31	2.5	0	31.8	26
22/09/2022 11:50	1.8	245	41	3.2	0	31.6	26
22/09/2022 12:00	1.7	277	31	2.9	0	31	28
22/09/2022 12:10	1	295	35	2.1	0	31.8	28
22/09/2022 12:20	1.3	321	18	2.9	0	31.3	29
22/09/2022 12:30	1.8	344	18	3.6	0	31.5	29
22/09/2022 12:40	2.8	343	20	4.8	0	31.6	32
22/09/2022 12:50	2.5	329	17	4.1	0	31	34
22/09/2022 13:00	2.4	314	20	4.1	0	31.1	33
22/09/2022 13:10	2.2	311	25	3.8	0	31.4	32
22/09/2022 13:20	2.8	295	19	4.3	0	31.7	29
22/09/2022 13:30	2.9	275	11	4.3	0	31.1	29
22/09/2022 13:40	2.9	281	14	4.1	0	31.4	30
22/09/2022 13:50	3	277	13	4.1	0	31.1	32
22/09/2022 14:00	2.8	301	21	4	0	31.5	34
22/09/2022 14:10	3.4	300	17	4.5	0	31.3	35
22/09/2022 14:20	4.2	282	11	5.4	0	30.8	36
22/09/2022 14:30	4.3	284	9	5.4	0	31	35
22/09/2022 14:40	4.3	284	9	5.3	0	30.7	36
22/09/2022 14:50	3.9	300	11	5	0	30.7	39
22/09/2022 15:00	4.4	294	12	5.8	0	30.4	39
22/09/2022 15:10	4.3	284	11	5.9	0	30.6	36
22/09/2022 15:20	5	288	10	6.2	0	30.3	36
22/09/2022 15:30	4.7	292	10	6.1	0	30.3	31
22/09/2022 15:40	4.8	279	9	5.9	0	30.6	27
22/09/2022 15:50	5.1	274	7	6.1	0	30.1	29
22/09/2022 16:00	5.2	277	6	6	0	29.5	34





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/09/2022 16:10	5	276	8	5.9	0	29.5	36
22/09/2022 16:20	5	275	8	6.1	0	29.1	39
22/09/2022 16:30	5.2	269	8	6.3	0	28.5	45
22/09/2022 16:40	5.2	264	6	6.3	0	28	49
22/09/2022 16:50	4.6	265	8	5.7	0	28	50
22/09/2022 17:00	4.4	262	7	5.3	0	28	48
22/09/2022 17:10	5.2	270	7	6.4	0	27.4	47
22/09/2022 17:20	4.7	276	9	6.3	0	27.3	45
22/09/2022 17:30	4.8	279	8	6.1	0	27	46
22/09/2022 17:40	4.8	273	8	6.1	0	26.9	45
22/09/2022 17:50	3.8	280	8	5.3	0	26.5	51
22/09/2022 18:00	3.8	274	6	4.8	0	26.1	53
22/09/2022 18:10	3.9	273	6	4.6	0	25.9	51
22/09/2022 18:20	3.8	273	4	4.6	0	25.6	55
22/09/2022 18:30	4	272	5	4.7	0	25.4	55
22/09/2022 18:40	4.2	273	6	5.4	0	25.2	55
22/09/2022 18:50	3.7	276	5	4.4	0	25.1	56
22/09/2022 19:00	3.5	275	6	4.6	0	25	56
22/09/2022 19:10	3.8	283	6	4.6	0	25	52
22/09/2022 19:20	3.4	278	6	4.5	0	25.1	47
22/09/2022 19:30	3.2	278	8	4.7	0	25.1	48
22/09/2022 19:40	3.3	282	8	4.4	0	24.9	50
22/09/2022 19:50	3.5	288	7	4.8	0	25	50
22/09/2022 20:00	3.5	287	8	4.4	0	24.9	52
22/09/2022 20:10	3.4	291	7	4.3	0	24.8	53
22/09/2022 20:20	3.5	286	7	4.3	0	24.8	56
22/09/2022 20:30	3.7	285	7	5.3	0	24.5	60
22/09/2022 20:40	3.4	282	7	4.5	0	24.3	63
22/09/2022 20:50	3.9	280	6	4.9	0	24.2	66
22/09/2022 21:00	3.8	280	6	4.9	0	24.1	69
22/09/2022 21:10	4.4	278	6	5.7	0	24	72
22/09/2022 21:20	4.5	275	7	5.7	0	24	74
22/09/2022 21:30	3.9	276	7	5.3	0	23.9	76
22/09/2022 21:40	3.9	280	7	5	0	23.8	77
22/09/2022 21:50	3.8	283	7	4.8	0	23.7	78
22/09/2022 22:00	3.4	285	8	4.7	0	23.5	79
22/09/2022 22:10	3.4	285	7	4.5	0	23.4	80
22/09/2022 22:20	3.7	275	6	4.7	0	23.3	82
22/09/2022 22:30	3.8	278	6	4.8	0	23.2	83
22/09/2022 22:40	3.6	278	6	4.5	0	23.1	84
22/09/2022 22:50	4	276	6	5.3	0	23.1	85
22/09/2022 23:00	4.1	276	5	5	0	23	86
22/09/2022 23:10	3.9	278	6	5	0	22.9	86
22/09/2022 23:20	4.3	276	6	5.2	0	22.9	87
22/09/2022 23:30	4.3	271	6	5.1	0	22.9	87
22/09/2022 23:40	3.7	270	6	4.6	0	22.8	87
22/09/2022 23:50	3.4	276	5	4.2	0	22.7	88
23/09/2022 00:00	3.9	272	5	4.7	0	22.6	88



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/09/2022 00:10	3.7	270	5	5	0	22.6	88
23/09/2022 00:20	4.1	270	6	4.9	0	22.6	88
23/09/2022 00:30	4	265	6	5.2	0	22.6	88
23/09/2022 00:40	4	262	4	4.6	0	22.6	88
23/09/2022 00:50	4	262	3	4.4	0	22.3	89
23/09/2022 01:00	4	266	4	4.5	0	22.2	89
23/09/2022 01:10	3.7	265	4	4.2	0	22.2	89
23/09/2022 01:20	3.7	268	3	4.2	0	22.1	90
23/09/2022 01:30	3.8	268	2	4.1	0	22	89
23/09/2022 01:40	3.6	275	3	4.1	0	21.9	89
23/09/2022 01:50	3.6	276	4	4.2	0	22.1	88
23/09/2022 02:00	3.7	274	4	4.5	0	22.2	86
23/09/2022 02:10	3.9	273	4	4.6	0	22.3	86
23/09/2022 02:20	4.2	271	4	5	0	22.4	87
23/09/2022 02:30	4.1	271	5	5.3	0	22.5	87
23/09/2022 02:40	4.1	270	5	5.2	0	22.5	88
23/09/2022 02:50	3.8	270	5	4.6	0	22.4	88
23/09/2022 03:00	3.7	275	6	4.6	0	22.4	88
23/09/2022 03:10	3.8	282	7	4.9	0	22.5	88
23/09/2022 03:20	4	282	7	5	0	22.4	88
23/09/2022 03:30	3.6	284	6	4.6	0	22.4	87
23/09/2022 03:40	3.6	285	7	4.6	0	22.4	87
23/09/2022 03:50	3.8	287	6	4.6	0	22.4	88
23/09/2022 04:00	3.9	287	6	4.8	0	22.4	88
23/09/2022 04:10	3.9	286	8	4.7	0	22.3	88
23/09/2022 04:20	4	288	7	5.1	0	22.3	88
23/09/2022 04:30	4	286	6	4.9	0	22.3	88
23/09/2022 04:40	4.1	284	6	5.3	0	22.3	88
23/09/2022 04:50	4.1	282	5	5.3	0	22.3	89
23/09/2022 05:00	4	283	7	4.9	0	22.3	89
23/09/2022 05:10	3.7	282	6	4.6	0	22.2	89
23/09/2022 05:20	3.8	281	6	4.9	0	22.3	90
23/09/2022 05:30	3.8	282	5	4.7	0	22.3	91
23/09/2022 05:40	3.8	277	6	4.6	0	22.2	91
23/09/2022 05:50	4.4	273	5	5.2	0	22.1	92
23/09/2022 06:00	4.2	271	5	4.8	0	22	91
23/09/2022 06:10	4.1	270	4	5	0	22	91
23/09/2022 06:20	3.8	265	4	4.4	0	21.9	91
23/09/2022 06:30	4.1	264	4	4.8	0	22	91
23/09/2022 06:40	4	265	5	4.9	0	22.2	90
23/09/2022 06:50	3.7	264	6	4.6	0	22.4	89
23/09/2022 07:00	3.6	261	7	4.7	0	22.7	87
23/09/2022 07:10	4	261	6	5.1	0	22.9	85
23/09/2022 07:20	3.3	255	9	4.4	0	23.2	84
23/09/2022 07:30	3.7	263	9	4.5	0	23.5	82
23/09/2022 07:40	4.1	265	7	5.2	0	23.8	79
23/09/2022 07:50	4	262	8	5.3	0	24.1	77
23/09/2022 08:00	4.4	264	7	5.2	0	24.1	75



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/09/2022 08:10	3.7	263	8	4.5	0	24.4	73
23/09/2022 08:20	3.8	272	6	4.4	0	24.6	71
23/09/2022 08:30	3.3	266	12	4.3	0	25	69
23/09/2022 08:40	3.2	265	12	4.2	0	25.8	63
23/09/2022 08:50	3.2	271	11	4.2	0	26.3	61
23/09/2022 09:00	2.9	266	15	4	0	26.9	59
23/09/2022 09:10	3.1	273	10	4.1	0	27.5	57
23/09/2022 09:20	3.3	277	11	4.3	0	27.7	55
23/09/2022 09:30	3.5	284	9	4.4	0	28	54
23/09/2022 09:40	3.9	284	10	4.9	0	28.1	53
23/09/2022 09:50	3.7	284	8	4.8	0	27.9	54
23/09/2022 10:00	3	276	11	3.9	0	28.7	52
23/09/2022 10:10	3.1	284	11	4	0	29.3	49
23/09/2022 10:20	2.7	289	13	3.6	0	29.7	47
23/09/2022 10:30	2.4	298	11	3.5	0	30	43
23/09/2022 10:40	2.9	295	13	3.9	0	30.9	35
23/09/2022 10:50	3.8	292	9	4.5	0	30.5	35
23/09/2022 11:00	3.7	293	11	4.6	0	30.6	30
23/09/2022 11:10	3.3	281	15	4.6	0	30.8	30
23/09/2022 11:20	3.5	290	17	4.6	0	31.4	31
23/09/2022 11:30	3.3	316	14	4.7	0	30.7	43
23/09/2022 11:40	3.1	304	13	4.3	0	30.4	48
23/09/2022 11:50	3.5	306	13	4.8	0	30.2	50
23/09/2022 12:00	3.4	306	11	4.7	0	29.7	53
23/09/2022 12:10	3.6	313	13	5	0	29.7	53
23/09/2022 12:20	3.7	284	11	5	0	29.9	54
23/09/2022 12:30	3.8	280	13	5.3	0	30.3	53
23/09/2022 12:40	4.2	281	13	5.6	0	30.7	51
23/09/2022 12:50	4.9	282	11	6.7	0	30.5	50
23/09/2022 13:00	5.2	281	10	6.7	0	30	51
23/09/2022 13:10	4.8	286	8	5.8	0	30	51
23/09/2022 13:20	5	287	7	6.1	0	30.3	49
23/09/2022 13:30	4.8	283	11	6.3	0	30.3	51
23/09/2022 13:40	5	270	10	6.4	0	29.9	53
23/09/2022 13:50	4.7	273	11	6.3	0	30.2	54
23/09/2022 14:00	5.4	277	8	6.4	0	29.7	54
23/09/2022 14:10	4.9	276	9	6.1	0	29.8	53
23/09/2022 14:20	4.9	263	12	6.2	0	30.1	51
23/09/2022 14:30	5.4	265	9	6.9	0	30.2	48
23/09/2022 14:40	6.4	272	8	8	0	29.9	42
23/09/2022 14:50	6.5	275	8	8	0	29.8	40
23/09/2022 15:00	6.3	279	10	7.9	0	29.9	41
23/09/2022 15:10	7	275	8	8.6	0	29.7	39
23/09/2022 15:20	6.7	275	7	8.3	0	29.7	40
23/09/2022 15:30	5.8	274	9	7.7	0	29.9	40
23/09/2022 15:40	5.5	272	11	7.2	0	29.9	42
23/09/2022 15:50	7.1	270	8	8.7	0	29.1	45
23/09/2022 16:00	7	271	7	8.6	0	28.9	47



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/09/2022 16:10	6.6	273	7	8.3	0	28.7	48
23/09/2022 16:20	6.5	278	7	8.4	0	28.7	49
23/09/2022 16:30	5.2	272	10	6.7	0	28.6	54
23/09/2022 16:40	5.4	271	10	7.4	0	28.5	53
23/09/2022 16:50	5.7	274	9	7.9	0	28	56
23/09/2022 17:00	6	276	9	7.8	0	27.7	58
23/09/2022 17:10	5.7	268	9	7.9	0	27.2	57
23/09/2022 17:20	5.6	269	8	7.1	0	27	56
23/09/2022 17:30	6	266	8	7.8	0	26.9	53
23/09/2022 17:40	5.9	267	8	7.5	0	26.8	53
23/09/2022 17:50	6.2	269	6	7.5	0	26.4	55
23/09/2022 18:00	6.2	271	7	7.5	0	26.1	57
23/09/2022 18:10	5.7	277	6	7.1	0	25.8	59
23/09/2022 18:20	5.5	275	5	6.9	0	25.6	61
23/09/2022 18:30	5.1	276	7	6.3	0	25.5	62
23/09/2022 18:40	5.2	279	7	6.5	0	25.4	62
23/09/2022 18:50	5.7	281	6	7.1	0	25.4	62
23/09/2022 19:00	5.8	279	6	7.2	0	25.2	64
23/09/2022 19:10	5.6	278	7	7	0	25.1	66
23/09/2022 19:20	5.6	277	6	6.9	0	25	67
23/09/2022 19:30	5.6	275	7	7.1	0	25	67
23/09/2022 19:40	5.3	273	7	6.7	0	24.9	68
23/09/2022 19:50	5.2	273	7	6.4	0	24.9	69
23/09/2022 20:00	5	271	6	6.5	0	24.9	69
23/09/2022 20:10	5	268	6	6.4	0	24.9	69
23/09/2022 20:20	4.5	269	7	6.1	0	24.9	69
23/09/2022 20:30	4.9	274	7	6.5	0	24.8	70
23/09/2022 20:40	5	274	7	6.6	0	24.8	71
23/09/2022 20:50	4.9	276	6	6.5	0	24.7	72
23/09/2022 21:00	5.1	276	7	6.8	0	24.6	72
23/09/2022 21:10	5.4	271	7	6.9	0	24.6	72
23/09/2022 21:20	5.3	271	8	7	0	24.6	69
23/09/2022 21:30	4.7	273	7	6.2	0	24.6	70
23/09/2022 21:40	5	270	7	6.8	0	24.5	69
23/09/2022 21:50	5	268	8	6.8	0	24.6	67
23/09/2022 22:00	5.2	266	6	7.1	0	24.6	68
23/09/2022 22:10	5.2	266	7	6.7	0	24.5	69
23/09/2022 22:20	5.8	264	7	7.4	0	24.5	70
23/09/2022 22:30	5	268	6	6.6	0	24.3	72
23/09/2022 22:40	5	266	7	6.4	0	24.3	72
23/09/2022 22:50	4.7	266	6	5.5	0	24.2	73
23/09/2022 23:00	5.1	263	8	6.9	0	24.2	72
23/09/2022 23:10	5.2	262	6	6.5	0	24.3	71
23/09/2022 23:20	5.5	260	7	7.2	0	24.2	70
23/09/2022 23:30	5.5	259	7	6.7	0	24.1	71
23/09/2022 23:40	5.8	258	6	7	0	24.1	70
23/09/2022 23:50	5.5	259	6	6.9	0	24.1	69
24/09/2022 00:00	5.9	261	7	7.6	0	24.1	69



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/09/2022 00:10	5.3	259	7	6.6	0	24	70
24/09/2022 00:20	5.1	262	7	6.4	0	23.9	71
24/09/2022 00:30	4.8	261	6	6	0	23.8	72
24/09/2022 00:40	4.9	264	6	6.4	0	23.8	73
24/09/2022 00:50	4.8	266	6	6.2	0	23.7	74
24/09/2022 01:00	4.7	266	8	6.4	0	23.6	75
24/09/2022 01:10	5.4	264	7	7	0	23.6	76
24/09/2022 01:20	4.3	263	7	5.8	0	23.6	77
24/09/2022 01:30	3.8	261	7	4.7	0	23.5	78
24/09/2022 01:40	3.5	262	6	4.5	0	23.2	80
24/09/2022 01:50	4.3	263	7	5.6	0	23.3	82
24/09/2022 02:00	4	263	7	5.2	0	23.3	83
24/09/2022 02:10	5.3	261	7	6.5	0	23.3	84
24/09/2022 02:20	5.2	259	7	6.4	0	23.3	84
24/09/2022 02:30	5.3	261	7	6.8	0	23.1	84
24/09/2022 02:40	5.3	265	6	6.5	0	23	84
24/09/2022 02:50	5.3	264	6	6.7	0	22.9	84
24/09/2022 03:00	4.9	262	8	6.5	0	22.8	83
24/09/2022 03:10	5.7	259	8	7.2	0	22.8	80
24/09/2022 03:20	5.6	259	7	7.3	0	22.9	79
24/09/2022 03:30	5.7	258	7	7.4	0	22.8	78
24/09/2022 03:40	5.5	256	8	6.8	0	22.8	77
24/09/2022 03:50	5.5	255	8	7.2	0	22.6	77
24/09/2022 04:00	5.6	256	8	7.1	0	22.5	77
24/09/2022 04:10	5.7	257	7	7.3	0	22.4	77
24/09/2022 04:20	5.6	259	6	7	0	22.4	76
24/09/2022 04:30	5.2	259	7	6.5	0	22.3	76
24/09/2022 04:40	5	259	6	6.5	0	22.1	76
24/09/2022 04:50	4.8	264	6	5.9	0	22	77
24/09/2022 05:00	4.5	262	6	5.7	0	21.8	77
24/09/2022 05:10	4.3	261	6	5.3	0	21.7	77
24/09/2022 05:20	4.3	262	5	5.1	0	21.5	77
24/09/2022 05:30	4.5	263	6	5.3	0	21.4	77
24/09/2022 05:40	4.8	261	6	5.6	0	21.4	77
24/09/2022 05:50	5.2	257	6	6.6	0	21.4	76
24/09/2022 06:00	5.2	258	6	6.6	0	21.3	75
24/09/2022 06:10	4.7	260	6	5.7	0	21.3	75
24/09/2022 06:20	4.3	261	7	5.4	0	21.3	75
24/09/2022 06:30	4.2	262	7	5.3	0	21.3	74
24/09/2022 06:40	4	263	7	5.3	0	21.5	73
24/09/2022 06:50	4.1	260	7	5.5	0	21.7	72
24/09/2022 07:00	4.4	258	7	5.5	0	22	70
24/09/2022 07:10	4.1	255	8	5.6	0	22.6	66
24/09/2022 07:20	4.4	253	8	5.9	0	23.3	62
24/09/2022 07:30	4.6	251	8	6	0	23.7	60
24/09/2022 07:40	4.8	255	8	5.9	0	24.2	58
24/09/2022 07:50	4.8	255	8	6	0	24.7	57
24/09/2022 08:00	4.9	261	8	6.1	0	24.9	55



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/09/2022 08:10	4.3	259	8	5.5	0	25.4	53
24/09/2022 08:20	4.1	266	8	5.1	0	25.5	54
24/09/2022 08:30	4	273	9	5.1	0	25.6	54
24/09/2022 08:40	3.9	273	8	5.1	0	26.1	52
24/09/2022 08:50	3.9	262	12	5.2	0	26.4	50
24/09/2022 09:00	3.8	271	12	4.9	0	26.7	49
24/09/2022 09:10	3.8	274	11	5.2	0	27	50
24/09/2022 09:20	4	283	10	5.3	0	27.3	51
24/09/2022 09:30	4.1	282	10	5.6	0	27.3	51
24/09/2022 09:40	4.3	278	9	5.5	0	27.6	51
24/09/2022 09:50	4.7	276	11	6.1	0	27.7	51
24/09/2022 10:00	5.2	286	8	6.7	0	27.9	51
24/09/2022 10:10	5.1	287	8	6.7	0	28	52
24/09/2022 10:20	5.5	286	9	6.8	0	28	52
24/09/2022 10:30	5.7	288	8	7.2	0	28.2	53
24/09/2022 10:40	6	287	8	7.3	0	28.3	52
24/09/2022 10:50	6	283	7	7.5	0	28.4	51
24/09/2022 11:00	6.4	284	8	7.9	0	28.3	50
24/09/2022 11:10	6.4	276	7	8	0	28.3	51
24/09/2022 11:20	6.4	280	7	7.9	0	28.3	51
24/09/2022 11:30	6.8	278	9	8.1	0	28	53
24/09/2022 11:40	6.6	280	7	8.2	0	28	54
24/09/2022 11:50	6.7	283	8	8.3	0	27.7	57
24/09/2022 12:00	6.8	282	10	8.8	0	27.8	57
24/09/2022 12:10	7.3	277	6	8.8	0	27.6	57
24/09/2022 12:20	7.4	275	8	9.4	0	27.5	57
24/09/2022 12:30	7.6	273	8	9.8	0	27.6	56
24/09/2022 12:40	7.5	274	9	10	0	27.8	56
24/09/2022 12:50	7.9	277	8	10.1	0	27.8	56
24/09/2022 13:00	8.1	273	7	9.9	0	27.4	59
24/09/2022 13:10	7.8	273	10	10.2	0	27.4	61
24/09/2022 13:20	8.1	275	9	10.3	0	27.7	60
24/09/2022 13:30	7.6	275	10	9.7	0	27.3	63
24/09/2022 13:40	7.4	272	9	10.5	0	27.5	61
24/09/2022 13:50	7.3	276	9	9.9	0	27.5	61
24/09/2022 14:00	7.4	276	9	9.5	0	27.6	60
24/09/2022 14:10	8	277	8	9.4	0	27.2	61
24/09/2022 14:20	7.5	274	10	10.2	0	27.3	61
24/09/2022 14:30	7.4	276	9	9.9	0	27.3	62
24/09/2022 14:40	8.7	275	8	11	0	26.7	63
24/09/2022 14:50	8.1	278	7	10.6	0	26.7	64
24/09/2022 15:00	7.1	273	9	10.1	0	27.3	62
24/09/2022 15:10	7.5	269	10	9.9	0	27.1	62
24/09/2022 15:20	7	268	9	10.1	0	27.5	59
24/09/2022 15:30	6.4	269	9	8.4	0	27.9	58
24/09/2022 15:40	6.9	268	11	9.1	0	27.9	58
24/09/2022 15:50	7.3	267	9	9.6	0	27.6	60
24/09/2022 16:00	8.2	269	7	10.5	0	27	62



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/09/2022 16:10	8.5	270	7	10.8	0	26.8	63
24/09/2022 16:20	8.2	268	7	10.3	0	26.6	64
24/09/2022 16:30	7.6	265	8	10.3	0	26.4	65
24/09/2022 16:40	7.3	268	8	9.9	0	26.5	64
24/09/2022 16:50	6.2	265	9	8.4	0	26.6	63
24/09/2022 17:00	6.9	266	7	8.9	0	26.5	63
24/09/2022 17:10	7.4	268	7	9.1	0	26.1	64
24/09/2022 17:20	7.2	267	6	9	0	26	66
24/09/2022 17:30	6.7	268	8	9.1	0	26	65
24/09/2022 17:40	6.7	268	8	8.5	0	25.8	67
24/09/2022 17:50	6.4	268	7	8.2	0	25.5	68
24/09/2022 18:00	6.7	268	6	8.5	0	25.2	70
24/09/2022 18:10	6.4	268	7	7.8	0	25	71
24/09/2022 18:20	6.1	268	8	7.7	0	24.8	72
24/09/2022 18:30	6.4	268	8	8.1	0	24.7	72
24/09/2022 18:40	6.3	267	6	8.3	0	24.5	73
24/09/2022 18:50	6	271	7	8.3	0	24.4	73
24/09/2022 19:00	7	267	7	8.7	0	24.4	73
24/09/2022 19:10	6.6	268	7	8.4	0	24.4	73
24/09/2022 19:20	6.4	270	8	8.4	0	24.3	73
24/09/2022 19:30	7	268	7	9.1	0	24.3	73
24/09/2022 19:40	7.6	267	7	9.3	0	24.2	74
24/09/2022 19:50	7.1	268	7	9	0	24.1	74
24/09/2022 20:00	6.6	266	7	8.5	0	24.1	75
24/09/2022 20:10	6.6	266	8	8.8	0	24	75
24/09/2022 20:20	6.9	268	5	8.7	0	24	75
24/09/2022 20:30	6.9	267	6	8.8	0	23.9	75
24/09/2022 20:40	6.3	264	8	8.1	0	23.9	74
24/09/2022 20:50	6.1	267	7	8.2	0	23.9	74
24/09/2022 21:00	4.8	262	8	6.6	0	23.9	74
24/09/2022 21:10	5.5	269	7	7.7	0	23.9	74
24/09/2022 21:20	4.6	271	7	6	0	23.8	74
24/09/2022 21:30	4.7	272	7	6.1	0	23.8	75
24/09/2022 21:40	4.7	273	6	6.1	0	23.8	76
24/09/2022 21:50	4.5	270	6	5.7	0	23.7	76
24/09/2022 22:00	4.2	271	6	5.6	0	23.7	77
24/09/2022 22:10	4.4	272	5	5.3	0	23.7	77
24/09/2022 22:20	4.1	274	6	5.3	0	23.7	78
24/09/2022 22:30	3.6	274	7	4.8	0	23.6	79
24/09/2022 22:40	4.1	276	5	5	0	23.6	80
24/09/2022 22:50	3.8	273	6	5.1	0	23.5	81
24/09/2022 23:00	4	276	5	5	0	23.5	82
24/09/2022 23:10	3.5	275	5	4.3	0	23.4	83
24/09/2022 23:20	3.6	276	5	4.4	0	23.3	83
24/09/2022 23:30	3.7	271	5	4.7	0	23.2	82
24/09/2022 23:40	3.6	269	4	4.6	0	23.3	80
24/09/2022 23:50	3.3	269	4	4	0	23.2	79
25/09/2022 00:00	3.7	264	5	4.4	0	23.2	79



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/09/2022 00:10	4.2	267	5	5.3	0	23.3	76
25/09/2022 00:20	4.3	268	5	5.3	0	23.3	73
25/09/2022 00:30	4.2	266	4	5.1	0	23.3	71
25/09/2022 00:40	4.2	268	4	5.4	0	23.1	70
25/09/2022 00:50	4.4	268	4	5.3	0	23.2	67
25/09/2022 01:00	4.1	266	4	4.9	0	23	65
25/09/2022 01:10	4.3	266	5	5.4	0	23	62
25/09/2022 01:20	4.4	266	5	5.3	0	23	56
25/09/2022 01:30	4.6	267	4	5.3	0	23.1	53
25/09/2022 01:40	4.6	263	5	5.6	0	23	52
25/09/2022 01:50	4.1	266	4	4.9	0	22.8	52
25/09/2022 02:00	4	269	4	4.5	0	22.4	51
25/09/2022 02:10	3.9	266	5	5.4	0	22.3	50
25/09/2022 02:20	4	270	5	4.7	0	22.2	48
25/09/2022 02:30	3.9	273	6	5	0	22.6	45
25/09/2022 02:40	3.9	270	6	5	0	22.7	44
25/09/2022 02:50	3.8	271	6	4.5	0	22.6	43
25/09/2022 03:00	4	274	6	5	0	22.7	41
25/09/2022 03:10	4.4	272	5	5.2	0	22.6	40
25/09/2022 03:20	4.9	272	5	5.6	0	22.5	40
25/09/2022 03:30	4.7	276	6	5.5	0	22.6	39
25/09/2022 03:40	4.5	281	6	5.4	0	22.6	39
25/09/2022 03:50	4.9	282	6	5.8	0	22.6	38
25/09/2022 04:00	4.9	280	5	5.7	0	22.6	38
25/09/2022 04:10	4.8	282	6	5.6	0	22.6	37
25/09/2022 04:20	4.2	285	6	5.3	0	22.6	37
25/09/2022 04:30	4.7	287	5	5.5	0	22.7	37
25/09/2022 04:40	4.7	288	6	5.6	0	22.7	37
25/09/2022 04:50	4.6	291	7	6	0	22.7	37
25/09/2022 05:00	1.9	275	19	3.9	0	22.3	38
25/09/2022 05:10	2.2	263	17	3.3	0	22	39
25/09/2022 05:20	2.2	273	13	3.4	0	22	40
25/09/2022 05:30	0.9	232	34	3	0	21.6	41
25/09/2022 05:40	0.8	241	37	3.6	0	22.1	40
25/09/2022 05:50	1.3	258	43	3.3	0	22.5	39
25/09/2022 06:00	1.5	244	30	5.5	0	22.7	37
25/09/2022 06:10	1.6	260	39	3.9	0	22.8	36
25/09/2022 06:20	0.9	272	34	2.4	0	22.9	36
25/09/2022 06:30	1.4	260	23	2.4	0	22.5	38
25/09/2022 06:40	0.2	261	6	1	0	22.4	38
25/09/2022 06:50	1	270	55	2.7	0	23.2	35
25/09/2022 07:00	0.6	293	20	2.4	0	24.1	32
25/09/2022 07:10	1.1	284	22	2.1	0	24.5	32
25/09/2022 07:20	1.3	279	14	2.8	0	24.5	31
25/09/2022 07:30	1.7	287	15	2.8	0	24.6	31
25/09/2022 07:40	1.5	287	13	2.6	0	25	30
25/09/2022 07:50	1.2	291	14	2.4	0	25.2	30
25/09/2022 08:00	2.5	247	17	3.9	0	25.5	29





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/09/2022 08:10	2.6	231	21	3.9	0	25.6	29
25/09/2022 08:20	3.1	229	17	4.6	0	25.8	29
25/09/2022 08:30	4	189	19	5.7	0	25.9	29
25/09/2022 08:40	4.5	192	13	6	0	26	28
25/09/2022 08:50	3.5	203	12	4.9	0	26.5	28
25/09/2022 09:00	2.9	210	16	4.6	0	26.6	28
25/09/2022 09:10	2.6	193	23	4.2	0	27.1	27
25/09/2022 09:20	3.1	186	13	5	0	27.4	26
25/09/2022 09:30	3.1	178	17	4.5	0	27.8	26
25/09/2022 09:40	3.1	179	16	4.5	0	28.1	25
25/09/2022 09:50	2.6	195	19	3.8	0	28.7	25
25/09/2022 10:00	2.7	207	20	4	0	29	24
25/09/2022 10:10	2.6	182	12	4.3	0	29.2	23
25/09/2022 10:20	2.8	198	25	4.2	0	29.7	23
25/09/2022 10:30	2.4	185	16	3.9	0	29.8	23
25/09/2022 10:40	2.1	186	13	3.5	0	30.3	22
25/09/2022 10:50	2.4	191	22	3.9	0	30.5	22
25/09/2022 11:00	2.7	269	21	4.4	0	31.4	22
25/09/2022 11:10	2.6	273	18	4.1	0	30.8	22
25/09/2022 11:20	2.8	289	22	4.8	0	31	22
25/09/2022 11:30	3.3	278	16	4.5	0	31.3	22
25/09/2022 11:40	3.4	278	15	5	0	31.2	22
25/09/2022 11:50	3.4	289	16	4.7	0	31.4	22
25/09/2022 12:00	3.9	276	12	5.2	0	31.1	23
25/09/2022 12:10	4.2	281	13	5.6	0	31.6	23
25/09/2022 12:20	5.6	279	11	7.1	0	31.2	26
25/09/2022 12:30	5.3	288	11	6.5	0	30.8	27
25/09/2022 12:40	5	285	10	6.6	0	31	27
25/09/2022 12:50	5.2	283	9	6.8	0	31.2	27
25/09/2022 13:00	5.4	277	11	7.2	0	30.8	29
25/09/2022 13:10	5.8	269	7	7.3	0	30.9	28
25/09/2022 13:20	5.8	267	7	7.1	0	30.7	28
25/09/2022 13:30	6.2	271	9	7.6	0	30.9	28
25/09/2022 13:40	6.7	272	7	7.9	0	30.7	29
25/09/2022 13:50	7	262	10	8.7	0	30.3	34
25/09/2022 14:00	6.9	261	10	9	0	30.2	36
25/09/2022 14:10	6.9	270	9	8.4	0	29.9	34
25/09/2022 14:20	6.4	267	10	8.4	0	29.9	35
25/09/2022 14:30	7.7	276	8	9.8	0	29.3	37
25/09/2022 14:40	7.4	274	9	9.8	0	29	40
25/09/2022 14:50	7.1	271	9	9.5	0	29.2	38
25/09/2022 15:00	8.2	273	8	10.6	0	28.6	40
25/09/2022 15:10	8.7	274	8	10.5	0	27.9	44
25/09/2022 15:20	9	273	8	11.3	0	28	44
25/09/2022 15:30	8.5	277	9	11.3	0	28.2	44
25/09/2022 15:40	8.9	279	7	11.2	0	27.9	44
25/09/2022 15:50	8.2	279	8	10.7	0	27.6	47
25/09/2022 16:00	7.2	276	11	10.7	0	27.9	48



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/09/2022 16:10	7.9	267	10	10.9	0	27.6	48
25/09/2022 16:20	8.5	268	9	11.3	0	27.4	49
25/09/2022 16:30	7.7	273	9	10.6	0	27.5	49
25/09/2022 16:40	8.1	277	9	11.2	0	27.2	50
25/09/2022 16:50	8.4	277	8	11	0	26.7	52
25/09/2022 17:00	7.6	275	9	10.9	0	26.6	53
25/09/2022 17:10	7.8	275	8	10.8	0	26.4	53
25/09/2022 17:20	7.8	273	10	10.7	0	26.3	53
25/09/2022 17:30	7.2	270	9	10.1	0	26.1	55
25/09/2022 17:40	7.1	274	9	10.2	0	25.9	57
25/09/2022 17:50	7.4	274	8	10	0	25.5	60
25/09/2022 18:00	7.5	270	9	10.2	0	25.2	62
25/09/2022 18:10	7.3	263	8	9.7	0	24.8	65
25/09/2022 18:20	6.6	266	9	9.9	0	24.6	68
25/09/2022 18:30	6.5	267	9	9.7	0	24.4	70
25/09/2022 18:40	6.9	263	8	10.1	0	24.3	71
25/09/2022 18:50	7	265	8	9.4	0	24.3	71
25/09/2022 19:00	6.8	264	7	8.9	0	24.2	71
25/09/2022 19:10	6.5	262	7	8.8	0	24.2	72
25/09/2022 19:20	6.5	263	9	8.2	0	24.3	72
25/09/2022 19:30	6.5	265	9	8.3	0	24.3	72
25/09/2022 19:40	6.3	265	6	7.9	0	24.2	73
25/09/2022 19:50	6.1	264	7	8	0	24.2	73
25/09/2022 20:00	6.2	265	7	8.4	0	24.1	74
25/09/2022 20:10	6.1	265	7	8.3	0	24.1	74
25/09/2022 20:20	6	263	7	7.6	0	24.1	74
25/09/2022 20:30	6.1	265	6	8	0	24.1	74
25/09/2022 20:40	5.9	267	7	7.6	0	24.2	74
25/09/2022 20:50	5.6	267	6	7.4	0	24.2	74
25/09/2022 21:00	5.2	264	6	6.5	0	24.1	75
25/09/2022 21:10	5.2	263	7	6.7	0	24	74
25/09/2022 21:20	4.9	259	7	6.3	0	24	73
25/09/2022 21:30	4.7	258	7	5.9	0	23.9	72
25/09/2022 21:40	4.7	254	7	5.8	0	23.9	68
25/09/2022 21:50	4.7	255	6	5.6	0	23.9	64
25/09/2022 22:00	4.6	254	6	5.7	0	24.1	60
25/09/2022 22:10	4.7	255	6	5.7	0	23.9	57
25/09/2022 22:20	4.9	255	7	6	0	24	51
25/09/2022 22:30	4.5	255	8	5.5	0	24.1	47
25/09/2022 22:40	4.3	249	11	5.6	0	24	44
25/09/2022 22:50	5.3	240	11	7.1	0	25.8	35
25/09/2022 23:00	5.5	237	9	7.1	0	26.3	35
25/09/2022 23:10	5.2	235	11	6.8	0	26.3	35
25/09/2022 23:20	4.5	228	11	6.6	0	26.3	35
25/09/2022 23:30	4.3	220	13	6.4	0	26.2	36
25/09/2022 23:40	5.8	213	11	8.4	0	26.4	36
25/09/2022 23:50	5.5	212	12	8.5	0	26.3	36
26/09/2022 00:00	4.6	216	14	7.1	0	26.1	36



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/09/2022 00:10	5.5	213	12	7.1	0	26.2	35
26/09/2022 00:20	6.2	213	9	8	0	26.3	33
26/09/2022 00:30	6	213	8	7.7	0	26.1	31
26/09/2022 00:40	5.2	213	9	7	0	25.9	29
26/09/2022 00:50	5	212	8	6.6	0	25.9	27
26/09/2022 01:00	4.7	212	9	6	0	25.6	28
26/09/2022 01:10	4.8	211	10	6.4	0	25.6	27
26/09/2022 01:20	4.7	207	11	7.1	0	25.4	28
26/09/2022 01:30	4.7	208	11	6.3	0	25.2	28
26/09/2022 01:40	4.4	206	10	6.4	0	25	28
26/09/2022 01:50	3.8	207	10	5.2	0	24.9	28
26/09/2022 02:00	4.1	204	13	5.9	0	24.8	28
26/09/2022 02:10	4	206	11	6	0	24.8	28
26/09/2022 02:20	3.4	210	11	4.7	0	24.7	28
26/09/2022 02:30	3	210	13	4.3	0	24.5	29
26/09/2022 02:40	3.5	211	11	4.8	0	24.5	28
26/09/2022 02:50	3.1	216	12	4.2	0	24.5	29
26/09/2022 03:00	3.4	218	11	4.9	0	24.4	29
26/09/2022 03:10	3.2	222	15	4.8	0	24.2	31
26/09/2022 03:20	3.5	219	14	5.2	0	24.2	30
26/09/2022 03:30	3.6	212	12	5.3	0	24.2	29
26/09/2022 03:40	3.6	206	10	4.9	0	24	29
26/09/2022 03:50	3.7	206	9	4.8	0	23.8	30
26/09/2022 04:00	3.4	204	9	4.4	0	23.6	31
26/09/2022 04:10	3.4	204	10	5	0	23.4	31
26/09/2022 04:20	3.7	205	9	4.8	0	23.4	31
26/09/2022 04:30	3.7	204	11	5.4	0	23.4	31
26/09/2022 04:40	3.5	201	10	4.9	0	23.3	31
26/09/2022 04:50	3.7	199	10	5.1	0	23.3	31
26/09/2022 05:00	3.4	197	10	4.5	0	23.1	31
26/09/2022 05:10	3.5	198	10	4.9	0	23.1	31
26/09/2022 05:20	3.7	196	10	5	0	22.9	31
26/09/2022 05:30	3.7	197	8	5.3	0	22.7	32
26/09/2022 05:40	3.3	196	10	4.5	0	22.5	32
26/09/2022 05:50	3.2	196	10	4.9	0	22.5	32
26/09/2022 06:00	2.8	194	12	4.2	0	22.4	32
26/09/2022 06:10	2.6	184	12	3.9	0	22.4	32
26/09/2022 06:20	2.6	175	15	4.3	0	22.7	31
26/09/2022 06:30	2.5	175	12	3.8	0	23.1	30
26/09/2022 06:40	1.9	168	16	3.6	0	23.5	29
26/09/2022 06:50	2	153	18	4.4	0	24.7	27
26/09/2022 07:00	3	145	15	4.8	0	25.3	26
26/09/2022 07:10	3.4	139	16	5.4	0	25.6	26
26/09/2022 07:20	3.2	136	14	5.3	0	25.6	26
26/09/2022 07:30	3.2	134	15	5.1	0	25.6	27
26/09/2022 07:40	3.2	130	17	5.1	0	25.8	28
26/09/2022 07:50	3.3	113	16	4.9	0	25.7	32
26/09/2022 08:00	4	116	13	5.7	0	25.6	36



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/09/2022 08:10	4.8	110	15	7.4	0	26.6	37
26/09/2022 08:20	6	113	15	9.3	0	26.9	36
26/09/2022 08:30	6.4	109	13	10.3	0	27.1	37
26/09/2022 08:40	7.6	107	10	9.9	0	27.2	37
26/09/2022 08:50	7.5	111	12	9.9	0	27.3	37
26/09/2022 09:00	7.1	107	13	9.8	0	27.5	36
26/09/2022 09:10	7.5	109	11	10.2	0	27.4	36
26/09/2022 09:20	6	108	12	8.4	0	27.9	39
26/09/2022 09:30	6.8	107	11	9.6	0	27.9	37
26/09/2022 09:40	5.9	105	13	8	0	28.4	35
26/09/2022 09:50	6.2	111	11	8.7	0	28.5	34
26/09/2022 10:00	5.9	108	13	8.3	0	28.7	34
26/09/2022 10:10	5.9	109	13	8.7	0	29	34
26/09/2022 10:20	5.5	109	12	8.1	0	29.1	36
26/09/2022 10:30	5.1	105	14	7.1	0	29.5	34
26/09/2022 10:40	4.8	106	15	6.9	0	30.1	33
26/09/2022 10:50	5.9	105	14	8.7	0	30	31
26/09/2022 11:00	5.3	98	15	7.8	0	30	34
26/09/2022 11:10	5.7	100	14	7.9	0	30.3	33
26/09/2022 11:20	4.9	83	12	7	0	30	36
26/09/2022 11:30	5.7	77	14	7.5	0	29.7	36
26/09/2022 11:40	6.1	73	8	8.3	0	29.8	34
26/09/2022 11:50	6.1	76	9	8.3	0	29.9	33
26/09/2022 12:00	6.2	76	9	7.8	0	30	32
26/09/2022 12:10	7.3	73	7	9.1	0	29.7	31
26/09/2022 12:20	6.7	78	11	9.2	0	30.1	31
26/09/2022 12:30	6.4	76	12	9	0	30.3	31
26/09/2022 12:40	6.2	69	12	8.2	0	30.6	32
26/09/2022 12:50	5.6	64	11	7.3	0	30.8	32
26/09/2022 13:00	5.9	62	11	7.8	0	30.2	35
26/09/2022 13:10	5.8	58	12	7.1	0	30.4	34
26/09/2022 13:20	5.6	56	11	7.8	0	30.1	33
26/09/2022 13:30	6.1	48	10	8.2	0	30.3	32
26/09/2022 13:40	6	50	11	8.3	0	30.8	30
26/09/2022 13:50	6.3	48	10	7.9	0	30.7	29
26/09/2022 14:00	6.4	46	9	8.3	0	30.8	29
26/09/2022 14:10	6.7	47	7	8	0	30.7	28
26/09/2022 14:20	6.1	48	9	7.7	0	31	27
26/09/2022 14:30	6.6	46	9	8.1	0	30.9	27
26/09/2022 14:40	6.7	50	8	8.2	0	31	26
26/09/2022 14:50	6.8	53	7	8	0	31	26
26/09/2022 15:00	6.3	47	8	7.9	0	31.3	26
26/09/2022 15:10	6.3	52	8	7.8	0	31.5	25
26/09/2022 15:20	6.2	53	10	8	0	31.7	23
26/09/2022 15:30	5.8	51	12	7.8	0	31.8	23
26/09/2022 15:40	5.8	51	9	7.2	0	32	23
26/09/2022 15:50	5.8	53	9	7.4	0	31.9	23
26/09/2022 16:00	5.1	52	11	6.9	0	32	23



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/09/2022 16:10	5.1	55	10	7	0	32.1	22
26/09/2022 16:20	5.5	53	9	6.5	0	32.1	22
26/09/2022 16:30	5	50	8	6.4	0	32.1	22
26/09/2022 16:40	5.1	52	8	6.5	0	32	23
26/09/2022 16:50	5.2	53	7	6.6	0	31.6	23
26/09/2022 17:00	4.3	49	8	5.7	0	31.7	23
26/09/2022 17:10	3.7	54	9	4.7	0	31.8	22
26/09/2022 17:20	3.8	54	10	4.8	0	32	22
26/09/2022 17:30	3.5	37	12	5	0	31.8	25
26/09/2022 17:40	3.2	4	10	4.1	0	30.6	33
26/09/2022 17:50	2.9	355	11	3.7	0	29.5	41
26/09/2022 18:00	3.1	349	7	3.9	0	28.3	46
26/09/2022 18:10	3.3	340	7	4.2	0	27.8	46
26/09/2022 18:20	4.2	299	12	5.7	0	27.3	47
26/09/2022 18:30	5.6	269	7	7.5	0	26.7	55
26/09/2022 18:40	5.9	259	8	7.7	0	25.9	60
26/09/2022 18:50	5.3	262	7	6.8	0	25.6	62
26/09/2022 19:00	5.7	260	7	8.1	0	25.4	63
26/09/2022 19:10	5.3	261	7	6.5	0	25.2	63
26/09/2022 19:20	4.9	261	6	6.3	0	25.1	61
26/09/2022 19:30	4.8	263	6	6.4	0	25	60
26/09/2022 19:40	4.9	261	7	6.3	0	25	58
26/09/2022 19:50	5.2	260	6	6.7	0	25.1	56
26/09/2022 20:00	5.2	260	6	6.6	0	25	55
26/09/2022 20:10	5.2	257	7	6.7	0	24.9	53
26/09/2022 20:20	5.1	259	7	6	0	24.8	52
26/09/2022 20:30	4.8	263	7	6	0	24.8	49
26/09/2022 20:40	4.7	264	7	6.3	0	24.9	47
26/09/2022 20:50	4.7	262	8	6.1	0	25.1	43
26/09/2022 21:00	4.6	261	8	5.8	0	25.2	40
26/09/2022 21:10	4.1	264	7	5.6	0	25	40
26/09/2022 21:20	4.1	262	8	5.8	0	24.9	41
26/09/2022 21:30	4.4	259	8	5.7	0	24.9	42
26/09/2022 21:40	4.4	258	7	5.3	0	24.9	42
26/09/2022 21:50	4.5	256	10	6.7	0	25	43
26/09/2022 22:00	4.8	257	9	6.2	0	24.9	44
26/09/2022 22:10	4.5	251	8	6.2	0	25.2	43
26/09/2022 22:20	4.4	254	10	5.7	0	25.1	43
26/09/2022 22:30	4.2	257	10	6	0	25.3	41
26/09/2022 22:40	4.4	265	7	5.6	0	24.8	43
26/09/2022 22:50	4.2	272	6	5.3	0	24.6	44
26/09/2022 23:00	3.9	273	6	4.9	0	24.3	45
26/09/2022 23:10	3.9	268	6	4.9	0	24.2	46
26/09/2022 23:20	3.7	269	6	4.6	0	23.9	47
26/09/2022 23:30	3.7	267	6	4.6	0	23.9	46
26/09/2022 23:40	3.9	266	7	4.7	0	24.2	45
26/09/2022 23:50	3.7	265	7	4.5	0	24.1	45
27/09/2022 00:00	3	268	13	4	0	24.2	46



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/09/2022 00:10	1.4	176	9	3.4	0	24	47
27/09/2022 00:20	3.4	118	10	4.7	0	24.1	48
27/09/2022 00:30	3	130	9	3.9	0	24	49
27/09/2022 00:40	2.9	118	8	3.8	0	23.9	51
27/09/2022 00:50	2	84	11	2.9	0	23.7	52
27/09/2022 01:00	0.7	96	10	2.3	0	23.7	49
27/09/2022 01:10	1.5	70	10	2.5	0	23.6	50
27/09/2022 01:20	0.6	97	14	1.7	0	23.1	51
27/09/2022 01:30	2	72	20	4	0	23.6	51
27/09/2022 01:40	4.1	109	11	6.1	0	25.7	37
27/09/2022 01:50	4.5	103	14	6.8	0	25.9	40
27/09/2022 02:00	7.7	98	12	11	0	26.5	36
27/09/2022 02:10	8.1	94	11	11.1	0	26.5	35
27/09/2022 02:20	8.4	93	10	11.8	0	26.3	35
27/09/2022 02:30	7.6	98	13	11.3	0	26.2	36
27/09/2022 02:40	6.7	102	13	10	0	26.1	35
27/09/2022 02:50	7.3	100	15	10.5	0	25.9	32
27/09/2022 03:00	8.4	97	11	11.5	0	25.9	30
27/09/2022 03:10	7.8	94	11	10.7	0	25.7	32
27/09/2022 03:20	6.1	97	14	7.8	0	25.4	34
27/09/2022 03:30	5.7	99	14	8.4	0	25.2	35
27/09/2022 03:40	5.5	101	14	8.3	0	25.1	35
27/09/2022 03:50	5.7	100	13	8.1	0	25	34
27/09/2022 04:00	5.5	104	14	8	0	24.8	34
27/09/2022 04:10	5.4	102	14	7.3	0	24.8	35
27/09/2022 04:20	5.4	102	12	8.1	0	24.6	35
27/09/2022 04:30	5.6	100	13	8.6	0	24.5	34
27/09/2022 04:40	6.3	95	10	8.2	0	24.4	34
27/09/2022 04:50	6	98	13	8.8	0	24.3	33
27/09/2022 05:00	6.5	97	13	9.2	0	24.2	32
27/09/2022 05:10	6.5	94	12	9.4	0	24.1	32
27/09/2022 05:20	6.5	94	9	8.6	0	24	32
27/09/2022 05:30	6.8	93	9	9.2	0	23.9	32
27/09/2022 05:40	6.3	95	9	8.1	0	23.8	32
27/09/2022 05:50	6.7	92	10	8.5	0	23.7	31
27/09/2022 06:00	6.2	94	11	8.6	0	23.6	32
27/09/2022 06:10	6.6	90	9	8.6	0	23.5	31
27/09/2022 06:20	6.4	93	10	8.6	0	23.6	31
27/09/2022 06:30	6	94	10	8.2	0	23.8	31
27/09/2022 06:40	5.7	94	12	7.6	0	23.8	31
27/09/2022 06:50	5.9	95	11	9.1	0	24	30
27/09/2022 07:00	5.5	98	13	8.4	0	24.1	29
27/09/2022 07:10	6.5	93	10	8.6	0	24.1	29
27/09/2022 07:20	6.1	95	11	8.7	0	24.2	29
27/09/2022 07:30	5.5	102	14	8.3	0	24.5	30
27/09/2022 07:40	5.9	101	11	9.3	0	24.6	29
27/09/2022 07:50	6.3	99	12	9.2	0	24.7	28
27/09/2022 08:00	6.6	104	14	10.1	0	24.8	28



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/09/2022 08:10	6.3	102	13	9.7	0	25	28
27/09/2022 08:20	6.7	105	13	9.9	0	25	28
27/09/2022 08:30	6.5	103	12	9.6	0	25.2	27
27/09/2022 08:40	6.3	105	14	8.5	0	25.4	28
27/09/2022 08:50	6.4	101	12	9.1	0	26	27
27/09/2022 09:00	7	98	13	9.7	0	26.3	25
27/09/2022 09:10	6.7	104	13	9.5	0	26.5	28
27/09/2022 09:20	6.8	98	13	9.2	0	26.6	28
27/09/2022 09:30	7.8	90	9	10.4	0	26.5	27
27/09/2022 09:40	8.1	87	8	10.5	0	26.6	27
27/09/2022 09:50	8	88	9	10.1	0	26.7	26
27/09/2022 10:00	7.1	89	7	9.1	0	26.8	29
27/09/2022 10:10	6.7	90	10	9	0	27.3	28
27/09/2022 10:20	7.2	88	8	9.3	0	27.2	28
27/09/2022 10:30	7.1	85	10	8.9	0	27.2	28
27/09/2022 10:40	8.2	86	7	9.6	0	27.3	29
27/09/2022 10:50	7.8	86	9	10.3	0	27.5	28
27/09/2022 11:00	7.6	72	8	9.5	0	27.6	29
27/09/2022 11:10	7.3	73	7	9.6	0	27.7	28
27/09/2022 11:20	7.8	69	7	9.8	0	27.7	27
27/09/2022 11:30	7.4	75	9	9.5	0	27.8	27
27/09/2022 11:40	6.5	73	10	9.1	0	28	30
27/09/2022 11:50	5.9	77	12	7.9	0	28.7	29
27/09/2022 12:00	6	72	11	7.9	0	28.4	31
27/09/2022 12:10	6.6	61	12	8.4	0	28.3	30
27/09/2022 12:20	6.7	57	9	8.1	0	28.5	29
27/09/2022 12:30	6.8	52	7	8.5	0	28	32
27/09/2022 12:40	6.2	60	9	8	0	28.1	32
27/09/2022 12:50	5.8	55	12	7.3	0	28.4	32
27/09/2022 13:00	6.2	44	9	8	0	28	33
27/09/2022 13:10	6.1	43	8	7.6	0	28.2	31
27/09/2022 13:20	6.5	42	7	8.1	0	28.2	31
27/09/2022 13:30	5.7	47	12	7.3	0	28.6	29
27/09/2022 13:40	6	51	8	7.9	0	28.8	26
27/09/2022 13:50	6.1	55	9	7.6	0	29.1	24
27/09/2022 14:00	5.9	51	9	7.5	0	29.6	20
27/09/2022 14:10	6.3	47	9	7.9	0	29.5	20
27/09/2022 14:20	5.6	49	11	7	0	30.1	18
27/09/2022 14:30	5.3	51	10	7	0	30.2	17
27/09/2022 14:40	5.3	57	8	6.8	0	30.4	17
27/09/2022 14:50	5.2	60	9	6.3	0	30.7	17
27/09/2022 15:00	4.6	52	11	6	0	31	17
27/09/2022 15:10	4.7	65	10	6.1	0	31.3	16
27/09/2022 15:20	4.7	61	8	6.1	0	31.1	16
27/09/2022 15:30	4	65	10	5.3	0	31.6	17
27/09/2022 15:40	4.4	63	10	5.5	0	31.5	17
27/09/2022 15:50	3.9	20	14	5.2	0	31.1	23
27/09/2022 16:00	4.4	179	11	5.8	0	30.2	33



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/09/2022 16:10	5.4	354	8	6.9	0	29.4	31
27/09/2022 16:20	4.5	175	9	5.8	0	29.3	34
27/09/2022 16:30	4.5	171	8	5.6	0	28.6	38
27/09/2022 16:40	5.5	181	10	6.5	0	28.4	38
27/09/2022 16:50	5.3	180	8	6.3	0	28.1	39
27/09/2022 17:00	4.3	174	10	5.5	0	28	41
27/09/2022 17:10	5.2	352	10	6.8	0	27.5	44
27/09/2022 17:20	5.7	355	10	6.8	0	27.3	43
27/09/2022 17:30	5.5	335	7	7.2	0	26.8	48
27/09/2022 17:40	6.2	331	7	7.7	0	26	51
27/09/2022 17:50	5.1	315	17	7.2	0	25.6	55
27/09/2022 18:00	4.4	285	11	5.7	0	25.4	56
27/09/2022 18:10	3.9	275	13	5.3	0	25.1	54
27/09/2022 18:20	5.1	285	9	6.5	0	25.3	47
27/09/2022 18:30	5.1	268	8	6.5	0	25	57
27/09/2022 18:40	5.3	275	7	6.7	0	24.6	56
27/09/2022 18:50	5.5	270	6	6.9	0	24.5	61
27/09/2022 19:00	4.7	272	6	5.7	0	24.2	64
27/09/2022 19:10	4.9	272	6	6.5	0	24	67
27/09/2022 19:20	5	274	6	6.1	0	23.9	66
27/09/2022 19:30	4.9	272	6	5.8	0	23.8	66
27/09/2022 19:40	4.4	272	6	5.8	0	23.7	67
27/09/2022 19:50	3.8	276	7	5.1	0	23.6	68
27/09/2022 20:00	3.7	271	10	5.3	0	23.5	67
27/09/2022 20:10	4.9	265	7	6	0	23.7	66
27/09/2022 20:20	4.7	263	7	6.1	0	23.6	67
27/09/2022 20:30	4.7	260	6	6	0	23.5	68
27/09/2022 20:40	5.1	258	6	6.8	0	23.5	69
27/09/2022 20:50	4.9	258	6	5.9	0	23.1	70
27/09/2022 21:00	4.7	259	7	5.9	0	23.2	70
27/09/2022 21:10	4.8	258	6	5.7	0	23.1	71
27/09/2022 21:20	4.5	259	6	5.8	0	23	72
27/09/2022 21:30	4.6	259	7	5.8	0	22.9	73
27/09/2022 21:40	4.5	257	6	5.5	0	22.6	73
27/09/2022 21:50	4.6	255	7	5.7	0	22.5	74
27/09/2022 22:00	4.9	258	6	6	0	22.4	74
27/09/2022 22:10	5.1	255	6	6.2	0	22.3	74
27/09/2022 22:20	4.7	258	6	6.1	0	22.3	72
27/09/2022 22:30	4.6	260	7	5.5	0	22.3	70
27/09/2022 22:40	4.7	259	7	5.8	0	22.3	69
27/09/2022 22:50	4.7	259	7	5.4	0	22.2	70
27/09/2022 23:00	4.8	259	7	6.1	0	22.1	71
27/09/2022 23:10	5	256	7	6.4	0	22.2	73
27/09/2022 23:20	5.2	253	9	6.6	0	22.2	74
27/09/2022 23:30	5.3	254	7	6.6	0	22.2	75
27/09/2022 23:40	5	255	7	6.3	0	22.1	76
27/09/2022 23:50	5.1	256	7	6.7	0	22.2	77
28/09/2022 00:00	5.3	258	6	6.5	0	22	78





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/09/2022 00:10	5.1	260	6	6.2	0	21.9	78
28/09/2022 00:20	4.5	262	6	5.6	0	21.8	79
28/09/2022 00:30	4.3	263	7	5.6	0	21.7	80
28/09/2022 00:40	4.8	261	7	5.9	0	21.8	80
28/09/2022 00:50	4.8	261	7	6.3	0	21.8	81
28/09/2022 01:00	4.9	256	8	6.6	0	21.8	81
28/09/2022 01:10	4.8	260	7	6.1	0	21.8	81
28/09/2022 01:20	4.8	257	9	6	0	21.8	80
28/09/2022 01:30	4.5	258	7	5.5	0	21.8	79
28/09/2022 01:40	4.4	254	8	5.7	0	21.7	79
28/09/2022 01:50	4.4	255	5	5.1	0	21.3	79
28/09/2022 02:00	4.3	255	6	5.4	0	21.1	81
28/09/2022 02:10	4.2	252	7	5.3	0	21.1	82
28/09/2022 02:20	3.9	251	8	4.9	0	21.2	81
28/09/2022 02:30	3.6	254	9	4.3	0	21.2	80
28/09/2022 02:40	3.4	259	9	4.4	0	21.1	80
28/09/2022 02:50	3.3	262	10	4.3	0	21	81
28/09/2022 03:00	3.4	265	7	4.2	0	20.5	83
28/09/2022 03:10	3.4	262	5	4.1	0	20.2	84
28/09/2022 03:20	3.9	257	6	4.7	0	20.2	83
28/09/2022 03:30	3.8	265	5	4.4	0	20.2	83
28/09/2022 03:40	3.8	267	6	4.6	0	20.1	83
28/09/2022 03:50	3.6	274	6	4.4	0	20.2	82
28/09/2022 04:00	3.1	273	7	3.8	0	20.1	82
28/09/2022 04:10	3.3	275	5	3.8	0	20.2	80
28/09/2022 04:20	3	273	5	3.4	0	20	80
28/09/2022 04:30	1.8	274	11	2.6	0	19.9	79
28/09/2022 04:40	1.6	257	10	2.4	0	19.8	79
28/09/2022 04:50	0.3	244	5	1.3	0	19.7	80
28/09/2022 05:00	0.5	259	5	1.5	0	19.6	81
28/09/2022 05:10	1.2	261	8	2.2	0	19.8	79
28/09/2022 05:20	1.1	256	19	2.5	0	20	78
28/09/2022 05:30	0.7	251	10	2	0	20.5	76
28/09/2022 05:40	0.9	239	9	2.4	0	20.5	74
28/09/2022 05:50	1.4	260	11	2.6	0	20	77
28/09/2022 06:00	1.3	258	9	1.7	0	20.3	76
28/09/2022 06:10	1.7	261	9	2.6	0	20.1	76
28/09/2022 06:20	1.8	277	5	2.5	0	20.4	77
28/09/2022 06:30	1.4	266	6	1.7	0	20.6	75
28/09/2022 06:40	1.1	256	7	1.9	0	20.7	75
28/09/2022 06:50	0	263	0	0.8	0	20.9	75
28/09/2022 07:00	0	236	3	0.1	0	21.3	74
28/09/2022 07:10	0.2	207	5	0.9	0	21.6	70
28/09/2022 07:20	1.8	179	11	2.5	0	22	65
28/09/2022 07:30	0.3	155	8	1.4	0	23	56
28/09/2022 07:40	1.7	131	12	2.6	0	24.5	48
28/09/2022 07:50	2.3	126	14	3.5	0	25.1	41
28/09/2022 08:00	3	103	17	4.2	0	25.1	37



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/09/2022 08:10	3.4	94	14	4.6	0	24.8	40
28/09/2022 08:20	3.6	101	14	5.1	0	24.8	43
28/09/2022 08:30	3.4	105	15	5	0	25	46
28/09/2022 08:40	3.7	111	14	5.8	0	25.2	49
28/09/2022 08:50	3.9	108	16	5.3	0	25.9	45
28/09/2022 09:00	4.3	102	14	5.9	0	26.3	44
28/09/2022 09:10	4.4	98	14	6.5	0	26.7	43
28/09/2022 09:20	5.6	86	8	7.2	0	26.6	45
28/09/2022 09:30	5.3	94	13	7.1	0	27.9	39
28/09/2022 09:40	6.4	88	8	8.3	0	27.6	38
28/09/2022 09:50	6	90	11	8.3	0	28.2	36
28/09/2022 10:00	6.7	87	7	8.3	0	27.6	37
28/09/2022 10:10	6.2	89	9	8.1	0	27.4	41
28/09/2022 10:20	5.4	93	11	7.3	0	27.8	40
28/09/2022 10:30	5.7	92	13	7.4	0	28	37
28/09/2022 10:40	6	91	10	8.1	0	28.2	35
28/09/2022 10:50	5.9	89	10	7.5	0	28.1	35
28/09/2022 11:00	5.6	88	9	7.5	0	28.2	35
28/09/2022 11:10	5.2	84	11	7.4	0	28.8	30
28/09/2022 11:20	6	73	10	8	0	29	27
28/09/2022 11:30	6.2	75	9	8.2	0	28.8	27
28/09/2022 11:40	6.1	83	11	8.6	0	29.4	27
28/09/2022 11:50	5.6	73	12	7.7	0	29.6	27
28/09/2022 12:00	6.2	62	10	8.3	0	29.3	27
28/09/2022 12:10	6.5	64	10	8.3	0	29	28
28/09/2022 12:20	6.4	63	10	8	0	29.1	29
28/09/2022 12:30	6	64	10	7.8	0	29.1	30
28/09/2022 12:40	5.3	53	13	6.9	0	29.1	31
28/09/2022 12:50	4.9	54	13	6.4	0	29.3	29
28/09/2022 13:00	5.2	56	14	6.5	0	29.4	28
28/09/2022 13:10	5	63	11	6.8	0	29.7	27
28/09/2022 13:20	5.1	60	11	7.1	0	30	24
28/09/2022 13:30	5.2	60	12	6.6	0	30.2	24
28/09/2022 13:40	5.5	60	11	7.5	0	30.3	24
28/09/2022 13:50	5.2	63	11	7.4	0	30.6	24
28/09/2022 14:00	5.2	63	11	6.7	0	31.1	23
28/09/2022 14:10	5.2	67	8	7.1	0	31.1	24
28/09/2022 14:20	3.9	35	14	5.3	0	31.7	26
28/09/2022 14:30	4	179	12	5.5	0	31.5	27
28/09/2022 14:40	4.4	356	13	5.6	0	31	28
28/09/2022 14:50	4.5	355	10	5.8	0	30.7	28
28/09/2022 15:00	4.5	7	11	6	0	30.8	29
28/09/2022 15:10	4.4	6	11	5.5	0	30.7	29
28/09/2022 15:20	4.4	5	14	5.7	0	30.5	29
28/09/2022 15:30	4.7	6	9	5.8	0	30.3	31
28/09/2022 15:40	4.3	180	13	5.8	0	29.9	35
28/09/2022 15:50	3.7	340	16	5.3	0	29.7	38
28/09/2022 16:00	3.8	328	11	5.1	0	29.6	39



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/09/2022 16:10	4	329	10	5.5	0	29.2	42
28/09/2022 16:20	4.3	356	11	5.2	0	29	40
28/09/2022 16:30	4.2	348	10	5.2	0	28.8	39
28/09/2022 16:40	3.9	343	10	5.3	0	28.6	38
28/09/2022 16:50	3.9	348	9	5	0	28.3	36
28/09/2022 17:00	3.7	351	11	4.7	0	28.2	38
28/09/2022 17:10	4	339	11	5.1	0	27.6	42
28/09/2022 17:20	3.9	343	9	5.3	0	27.5	43
28/09/2022 17:30	4.2	338	10	5.7	0	27.3	42
28/09/2022 17:40	4.5	333	8	5.7	0	27	46
28/09/2022 17:50	3.9	333	8	5.4	0	26.6	51
28/09/2022 18:00	3.8	325	9	5	0	26.3	53
28/09/2022 18:10	4.4	325	8	5.7	0	25.9	58
28/09/2022 18:20	5.2	324	7	6.3	0	25.6	60
28/09/2022 18:30	4.9	334	7	6	0	25.3	62
28/09/2022 18:40	3.8	331	10	4.9	0	25.3	62
28/09/2022 18:50	4.2	325	8	5.4	0	25.2	62
28/09/2022 19:00	4.4	328	7	5.4	0	25.1	64
28/09/2022 19:10	4.4	330	7	5.7	0	24.9	64
28/09/2022 19:20	4	326	8	5.2	0	24.8	64
28/09/2022 19:30	3.6	324	8	4.9	0	24.8	64
28/09/2022 19:40	3.6	328	10	4.8	0	24.7	64
28/09/2022 19:50	4.7	329	7	6.4	0	24.6	64
28/09/2022 20:00	4.2	324	9	5.8	0	24.6	64
28/09/2022 20:10	4.8	318	8	6.5	0	24.6	65
28/09/2022 20:20	4.9	313	8	6.7	0	24.5	67
28/09/2022 20:30	4.1	311	9	5.6	0	24.5	69
28/09/2022 20:40	3.1	298	12	4.9	0	24.4	66
28/09/2022 20:50	3	269	8	3.6	0	24.2	71
28/09/2022 21:00	2.7	266	8	3.4	0	23.7	75
28/09/2022 21:10	2.6	257	10	3.2	0	23.4	76
28/09/2022 21:20	3.1	250	5	3.8	0	23.6	76
28/09/2022 21:30	2.6	264	8	3.4	0	23.2	75
28/09/2022 21:40	3.2	279	7	3.7	0	23	75
28/09/2022 21:50	3.2	280	6	4.2	0	23.2	75
28/09/2022 22:00	3.5	268	7	4.4	0	23.4	77
28/09/2022 22:10	3.2	267	6	4	0	23.5	80
28/09/2022 22:20	3.7	274	7	4.6	0	23	83
28/09/2022 22:30	3.8	267	8	4.8	0	23.1	85
28/09/2022 22:40	4	267	6	5.5	0	23.2	87
28/09/2022 22:50	3.9	268	6	5	0	23.1	88
28/09/2022 23:00	3.9	267	7	5.1	0	23	89
28/09/2022 23:10	4.1	266	6	5.3	0	22.7	90
28/09/2022 23:20	4.4	259	6	5.9	0	22.6	89
28/09/2022 23:30	5	260	7	6.2	0	22.6	87
28/09/2022 23:40	4.4	255	6	5.4	0	22.5	86
28/09/2022 23:50	4.6	257	5	5.7	0	22.3	86
29/09/2022 00:00	4.4	259	4	5	0	22.1	86



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/09/2022 00:10	4.3	259	5	5.3	0	22	86
29/09/2022 00:20	4	257	5	4.8	0	21.9	87
29/09/2022 00:30	3.8	257	5	4.7	0	21.7	88
29/09/2022 00:40	3.4	261	7	4.2	0	21.7	89
29/09/2022 00:50	3.5	262	7	4.1	0	21.7	89
29/09/2022 01:00	3.3	263	7	4.4	0	21.4	89
29/09/2022 01:10	3.5	265	5	4.2	0	21.1	89
29/09/2022 01:20	3.4	262	4	4	0	21	88
29/09/2022 01:30	3.5	260	3	4	0	20.9	88
29/09/2022 01:40	4.1	257	3	4.7	0	20.9	88
29/09/2022 01:50	4.2	255	5	4.9	0	20.9	87
29/09/2022 02:00	3.7	253	8	4.9	0	20.9	87
29/09/2022 02:10	3.8	259	6	4.8	0	20.6	88
29/09/2022 02:20	3.3	264	5	3.8	0	20.4	88
29/09/2022 02:30	2.9	264	5	3.5	0	20.2	88
29/09/2022 02:40	3.3	263	4	4	0	20.3	89
29/09/2022 02:50	3.4	260	4	3.9	0	20.3	89
29/09/2022 03:00	3.3	253	9	4.3	0	20.3	89
29/09/2022 03:10	3.6	259	6	4.4	0	20.2	89
29/09/2022 03:20	3.3	263	6	3.9	0	20.3	89
29/09/2022 03:30	3.5	267	5	4.1	0	20.3	90
29/09/2022 03:40	3.7	267	5	4.3	0	20.3	90
29/09/2022 03:50	3.9	262	6	4.6	0	20.4	90
29/09/2022 04:00	3.5	260	6	4.4	0	20.5	91
29/09/2022 04:10	3.5	258	7	4.3	0	20.5	91
29/09/2022 04:20	3.9	260	6	4.8	0	20.6	91
29/09/2022 04:30	3.3	263	5	4.1	0	20.4	91
29/09/2022 04:40	3.5	261	6	4.3	0	20.4	91
29/09/2022 04:50	3.5	261	7	4.4	0	20.4	91
29/09/2022 05:00	3.4	262	6	4.1	0	20.4	92
29/09/2022 05:10	2.9	267	4	4	0	20.3	92
29/09/2022 05:20	2.5	269	2	2.9	0	20.3	92
29/09/2022 05:30	2.5	273	3	3.1	0	20.3	92
29/09/2022 05:40	2.2	273	2	2.6	0	20.4	92
29/09/2022 05:50	2.1	284	4	2.9	0	20.4	92
29/09/2022 06:00	1.8	320	5	2.6	0	20.6	92
29/09/2022 06:10	0.4	339	2	1.2	0	20.6	91
29/09/2022 06:20	0	341	1	0.5	0	20.8	91
29/09/2022 06:30	1.7	305	10	3	0	21.2	91
29/09/2022 06:40	3	308	8	4	0	21.5	90
29/09/2022 06:50	3.3	312	7	4.4	0	21.7	89
29/09/2022 07:00	3.3	316	7	4.3	0	22.2	88
29/09/2022 07:10	3.3	298	11	4.3	0	22.5	85
29/09/2022 07:20	3.1	287	11	4.6	0.1	23.1	83
29/09/2022 07:30	4.2	278	11	5.5	0	23.5	82
29/09/2022 07:40	4.9	271	11	6.4	0	23.6	81
29/09/2022 07:50	5	271	9	6.8	0	23.8	80
29/09/2022 08:00	5.4	270	10	6.9	0	23.9	78



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/09/2022 08:10	5.4	274	10	6.8	0	23.9	78
29/09/2022 08:20	5.7	271	10	7	0	24	77
29/09/2022 08:30	5.3	268	8	6.8	0	24.2	76
29/09/2022 08:40	4.9	264	11	6.7	0	24.5	74
29/09/2022 08:50	5.3	276	10	6.7	0	24.8	73
29/09/2022 09:00	5.4	266	12	7.2	0	24.7	73
29/09/2022 09:10	5.2	269	13	6.9	0	24.6	72
29/09/2022 09:20	4.4	263	14	6.5	0	24.9	71
29/09/2022 09:30	4.7	273	8	5.8	0	24.8	71
29/09/2022 09:40	4.7	275	10	5.9	0	24.8	72
29/09/2022 09:50	5	270	10	6.5	0	24.7	73
29/09/2022 10:00	5.2	279	11	6.8	0	25.4	71
29/09/2022 10:10	5.2	273	12	7.2	0	25.3	71
29/09/2022 10:20	5.4	275	11	7.4	0	25.4	69
29/09/2022 10:30	6	275	10	7.8	0	25.3	68
29/09/2022 10:40	5.6	270	11	7.4	0	25.8	65
29/09/2022 10:50	5.3	266	11	7.9	0	25.7	68
29/09/2022 11:00	5.9	286	10	8	0	25.6	66
29/09/2022 11:10	5.6	285	11	7.7	0	25.8	67
29/09/2022 11:20	6.1	284	10	8.3	0	25.9	66
29/09/2022 11:30	6.4	268	14	8.3	0	25.7	70
29/09/2022 11:40	5.9	269	15	8.4	0	26.1	69
29/09/2022 11:50	6.4	269	11	9.1	0	25.9	69
29/09/2022 12:00	6	275	12	8.5	0	25.4	70
29/09/2022 12:10	5.9	265	13	8.1	0	25.8	69
29/09/2022 12:20	5.6	279	14	7.6	0	26	68
29/09/2022 12:30	5.3	290	18	7.9	0	26.1	66
29/09/2022 12:40	5.2	317	16	8	0	26.4	65
29/09/2022 12:50	6.1	323	14	8.1	0	26.1	66
29/09/2022 13:00	5.7	319	13	7.9	0	26.2	64
29/09/2022 13:10	5.2	322	17	7.4	0	26.3	63
29/09/2022 13:20	5.8	323	18	8.3	0	25.8	67
29/09/2022 13:30	5.4	319	17	7.7	0	25.7	67
29/09/2022 13:40	6.4	313	14	8.8	0	25.6	67
29/09/2022 13:50	5.9	307	13	8.1	0	25.6	68
29/09/2022 14:00	5.7	290	13	8.1	0	26.3	65
29/09/2022 14:10	5.3	292	15	7.7	0	26.5	63
29/09/2022 14:20	6.2	292	12	8.5	0	26.1	63
29/09/2022 14:30	6.8	285	11	9.1	0	25.9	63
29/09/2022 14:40	6.8	287	11	8.8	0	26	62
29/09/2022 14:50	6.9	278	14	9.1	0	25.8	64
29/09/2022 15:00	7.7	265	10	9.5	0	25.2	66
29/09/2022 15:10	7.5	272	10	9.5	0	25	67
29/09/2022 15:20	6.8	270	10	9.2	0	25.1	66
29/09/2022 15:30	6.6	280	11	8.8	0	25.7	63
29/09/2022 15:40	6.7	286	9	9	0	25.5	61
29/09/2022 15:50	6.5	284	10	9	0	25.4	60
29/09/2022 16:00	6.3	279	13	8.9	0	25.6	62



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/09/2022 16:10	5.9	281	13	9.1	0	26	61
29/09/2022 16:20	7.2	268	9	9.6	0	25	64
29/09/2022 16:30	7.3	265	11	9.5	0	24.6	63
29/09/2022 16:40	6.5	264	12	8.8	0	24.5	64
29/09/2022 16:50	6.1	265	10	8.5	0	24.4	63
29/09/2022 17:00	6.4	266	11	8.8	0	24.3	65
29/09/2022 17:10	7.1	268	9	9.2	0	24.1	65
29/09/2022 17:20	6.1	265	11	7.7	0	24.5	62
29/09/2022 17:30	5.4	270	11	7.4	0	24.5	60
29/09/2022 17:40	5.4	277	11	7.6	0	24.5	57
29/09/2022 17:50	6	277	10	8.3	0	24.3	58
29/09/2022 18:00	6.1	263	10	8.5	0	23.8	61
29/09/2022 18:10	5.6	267	7	7.4	0	23.6	61
29/09/2022 18:20	5.1	270	9	7.4	0	23.5	63
29/09/2022 18:30	5.3	283	10	7.5	0	23.4	63
29/09/2022 18:40	5.4	282	8	7.3	0	23.3	64
29/09/2022 18:50	5.5	278	8	7.5	0	23.3	63
29/09/2022 19:00	5.6	280	9	7.4	0	23.2	65
29/09/2022 19:10	5.5	278	8	7.8	0	23.2	65
29/09/2022 19:20	5.3	284	9	7.5	0	23.1	65
29/09/2022 19:30	5.3	278	8	6.9	0	23	66
29/09/2022 19:40	5.1	279	8	6.5	0	23	67
29/09/2022 19:50	4.9	280	9	7	0	23	67
29/09/2022 20:00	5	270	7	7.2	0	22.9	66
29/09/2022 20:10	4.6	279	10	6	0	22.9	67
29/09/2022 20:20	4.3	279	11	5.9	0	22.8	67
29/09/2022 20:30	5	280	8	6.6	0	22.8	67
29/09/2022 20:40	4.1	285	11	5.3	0	22.7	67
29/09/2022 20:50	4.6	279	8	6.2	0	22.6	68
29/09/2022 21:00	4.8	276	8	6.6	0	22.7	68
29/09/2022 21:10	4.3	278	9	6	0	22.6	69
29/09/2022 21:20	3.7	285	8	5.4	0	22.5	70
29/09/2022 21:30	3.9	281	9	5.3	0	22.5	70
29/09/2022 21:40	4.4	275	9	6.4	0	22.5	71
29/09/2022 21:50	4.4	272	11	5.9	0	22.6	71
29/09/2022 22:00	4.2	279	9	5.9	0	22.5	71
29/09/2022 22:10	4.6	268	9	6	0	22.5	70
29/09/2022 22:20	4.4	279	10	6.2	0	22.6	70
29/09/2022 22:30	4.6	280	8	6.5	0	22.7	69
29/09/2022 22:40	3.9	291	11	5.6	0	22.5	69
29/09/2022 22:50	4.3	289	11	6.2	0	22.6	68
29/09/2022 23:00	4.9	271	8	6.3	0	22.5	69
29/09/2022 23:10	3.9	272	9	5.1	0	22.4	69
29/09/2022 23:20	4.1	275	8	5.5	0	22.4	69
29/09/2022 23:30	3.3	276	9	4.6	0	22.4	69
29/09/2022 23:40	3.2	286	8	4.6	0	22.2	70
29/09/2022 23:50	3.1	281	9	4.7	0	22.2	71
30/09/2022 00:00	4.1	273	10	5.7	0	22.2	71



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/09/2022 00:10	3.8	275	10	5.6	0	22.2	71
30/09/2022 00:20	2.4	292	11	3.4	0	22.2	72
30/09/2022 00:30	2.3	293	10	3.7	0	22.2	73
30/09/2022 00:40	3.5	293	10	4.6	0	22.4	72
30/09/2022 00:50	2.9	286	12	4.7	0	22.3	72
30/09/2022 01:00	3.2	294	9	4.6	0	22.6	70
30/09/2022 01:10	3	313	13	4.8	0	22.6	70
30/09/2022 01:20	2.8	316	13	4.7	0	22.6	71
30/09/2022 01:30	2.8	301	13	4.6	0	22.5	71
30/09/2022 01:40	3	317	10	4.5	0	22.5	70
30/09/2022 01:50	2.8	322	12	4.3	0	22.6	72
30/09/2022 02:00	3.2	322	13	4.6	0	22.5	72
30/09/2022 02:10	3.4	326	12	5.3	0	22.5	72
30/09/2022 02:20	3.5	328	11	5.2	0	22.5	72
30/09/2022 02:30	3.2	316	9	4.6	0	22.5	73
30/09/2022 02:40	2.9	322	11	4.2	0	22.4	72
30/09/2022 02:50	3.1	336	9	4.4	0	22.5	73
30/09/2022 03:00	2.9	333	12	4.2	0	22.5	74
30/09/2022 03:10	3.2	341	11	4.3	0	22.4	75
30/09/2022 03:20	3.1	329	11	5.1	0	22.4	75
30/09/2022 03:30	3.5	335	12	5	0	22.4	74
30/09/2022 03:40	3.3	336	10	5.1	0	22.4	75
30/09/2022 03:50	3.8	343	12	5.7	0	22.3	74
30/09/2022 04:00	3	341	9	4.2	0	22.3	75
30/09/2022 04:10	3.2	336	10	4.7	0	22.4	75
30/09/2022 04:20	2.7	331	13	4.5	0	22.4	75
30/09/2022 04:30	1.9	324	14	3.1	0	22.4	75
30/09/2022 04:40	2.4	324	14	4.6	0	22.3	75
30/09/2022 04:50	3.3	318	11	4.5	0	22.4	75
30/09/2022 05:00	3.1	332	12	4.7	0	22.4	75
30/09/2022 05:10	2.5	331	13	3.7	0	22.5	76
30/09/2022 05:20	2.4	333	14	3.9	0	22.4	76
30/09/2022 05:30	1.8	329	11	3.6	0	22.4	76
30/09/2022 05:40	2.6	319	11	4.2	0	22.3	76
30/09/2022 05:50	2.9	323	15	5.1	0	22.5	77
30/09/2022 06:00	3.6	317	10	5.5	0	22.6	77
30/09/2022 06:10	3.4	315	13	5.5	0	22.6	77
30/09/2022 06:20	4	311	10	5.4	0	22.7	77
30/09/2022 06:30	3.1	320	12	4.8	0	22.6	76
30/09/2022 06:40	3.1	334	13	3.9	0	22.7	76
30/09/2022 06:50	2.6	326	15	4	0	23	75
30/09/2022 07:00	2.8	329	13	4.2	0.1	23.3	74
30/09/2022 07:10	4.4	318	10	6.6	0	23.5	73
30/09/2022 07:20	4.4	323	9	5.8	0	23.5	73
30/09/2022 07:30	3.7	318	11	5.8	0	23.6	73
30/09/2022 07:40	3.5	312	13	5	0	23.8	73
30/09/2022 07:50	4.4	288	10	5.9	0	24	72
30/09/2022 08:00	4.1	305	12	5.7	0	23.8	73



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/09/2022 08:10	4.4	312	15	6.5	0	24.3	70
30/09/2022 08:20	4.3	331	13	6	0	24.5	70
30/09/2022 08:30	4.8	335	10	6.3	0	24.7	69
30/09/2022 08:40	4.9	334	12	6.5	0	24.8	70
30/09/2022 08:50	4.7	315	15	6.9	0	25	69
30/09/2022 09:00	4.3	333	17	6.8	0	25.3	68
30/09/2022 09:10	4.7	319	14	6.7	0	25.1	69
30/09/2022 09:20	4.9	318	14	6.6	0	25	69
30/09/2022 09:30	4.3	312	13	6.1	0	25.6	68
30/09/2022 09:40	4.3	321	16	5.7	0	25.7	66
30/09/2022 09:50	3.9	317	18	5.6	0	25.7	66
30/09/2022 10:00	3.6	308	15	5.4	0	25.6	67
30/09/2022 10:10	4.1	328	23	6	0	26.4	63
30/09/2022 10:20	4.1	334	22	6	0	26.1	65
30/09/2022 10:30	4.5	343	13	6.3	0	26	65
30/09/2022 10:40	4.8	343	11	6.3	0	25.9	67
30/09/2022 10:50	4.8	336	10	6.6	0	26	66
30/09/2022 11:00	4.6	331	12	6.3	0	26.1	64
30/09/2022 11:10	4.7	337	16	6.7	0	26.3	61
30/09/2022 11:20	4.4	327	13	6	0	26.5	58
30/09/2022 11:30	4.8	322	13	6.2	0	26.2	60
30/09/2022 11:40	4.9	331	12	6.9	0	26.2	62
30/09/2022 11:50	4.6	332	15	6.6	0	26.6	64
30/09/2022 12:00	5.5	329	13	7.3	0	26.5	64
30/09/2022 12:10	6	330	9	7.9	0	26.3	64
30/09/2022 12:20	5.2	332	15	7.1	0	26.5	63
30/09/2022 12:30	5.4	340	21	7.7	0	26.8	64
30/09/2022 12:40	6.1	355	15	8.4	0	26.5	65
30/09/2022 12:50	6.1	349	16	8.2	0	26.5	64
30/09/2022 13:00	6.2	338	17	8.6	0	26.8	61
30/09/2022 13:10	6.2	338	12	8.6	0	26.8	63
30/09/2022 13:20	7	336	11	9.1	0	26.5	64
30/09/2022 13:30	6.8	336	16	8.9	0	26.2	65
30/09/2022 13:40	6.6	335	13	9.2	0	26.2	66
30/09/2022 13:50	6.3	339	15	8.6	0	26.2	66
30/09/2022 14:00	6.7	327	13	9	0	26.3	63
30/09/2022 14:10	6.4	331	12	9.3	0	26.6	62
30/09/2022 14:20	6.8	329	13	9	0	26.4	60
30/09/2022 14:30	6.4	324	12	9.1	0	26.5	58
30/09/2022 14:40	5.9	323	14	8.3	0	26.4	57
30/09/2022 14:50	5.9	326	14	8.8	0	26.8	58
30/09/2022 15:00	6.3	298	12	9.3	0	26.4	59
30/09/2022 15:10	6.5	303	11	9.1	0	25.8	62
30/09/2022 15:20	6.6	305	14	8.7	0	25.8	61
30/09/2022 15:30	5.7	297	14	8.8	0	26.2	58
30/09/2022 15:40	6.5	288	10	9.1	0	26.2	57
30/09/2022 15:50	6.8	286	10	9.3	0	26	56
30/09/2022 16:00	6.7	287	8	9	0	25.9	54





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/09/2022 16:10	6.3	289	10	8.2	0	25.9	55
30/09/2022 16:20	6.1	291	13	9.1	0	25.7	56
30/09/2022 16:30	6.1	305	13	8.5	0	25.3	58
30/09/2022 16:40	6	303	12	8.1	0	25.1	58
30/09/2022 16:50	5.9	308	12	8.5	0	25	59
30/09/2022 17:00	5.3	297	12	7.2	0	25.2	61
30/09/2022 17:10	4.9	298	15	6.9	0	25.2	61
30/09/2022 17:20	5.2	296	13	6.9	0	25	60
30/09/2022 17:30	5.3	297	11	7.8	0	24.8	60
30/09/2022 17:40	6.5	286	9	8.7	0	24.4	62
30/09/2022 17:50	6.6	288	10	8.5	0	24.1	65
30/09/2022 18:00	6.1	287	10	8	0	23.9	66
30/09/2022 18:10	5.7	288	10	8	0	23.7	67
30/09/2022 18:20	5.9	281	8	8.2	0	23.7	64
30/09/2022 18:30	6.3	279	7	8.3	0	23.6	64
30/09/2022 18:40	5.8	278	11	7.7	0	23.6	64
30/09/2022 18:50	4.8	282	10	7.4	0	23.5	65
30/09/2022 19:00	5.5	275	8	7.4	0	23.4	66
30/09/2022 19:10	5.2	283	10	7.5	0	23.3	67
30/09/2022 19:20	5.4	280	10	7.2	0	23.3	67
30/09/2022 19:30	6.2	280	8	8	0	23.2	67
30/09/2022 19:40	5.6	284	9	7.9	0	23.2	67
30/09/2022 19:50	6.4	276	7	8.2	0	23.1	68
30/09/2022 20:00	6.5	279	7	8	0	23.1	68
30/09/2022 20:10	6	276	8	7.8	0	23.1	67
30/09/2022 20:20	6	275	8	7.5	0	23	68
30/09/2022 20:30	5.1	278	8	7.7	0	23	69
30/09/2022 20:40	5.1	278	9	6.9	0	23	69
30/09/2022 20:50	5.2	282	9	6.8	0	22.9	70
30/09/2022 21:00	5.4	277	8	6.9	0	22.9	70
30/09/2022 21:10	4.4	283	9	6	0	22.8	71
30/09/2022 21:20	4.8	283	8	6.5	0	22.8	71
30/09/2022 21:30	5.2	281	8	7.2	0	22.8	72
30/09/2022 21:40	5	277	7	7	0	22.8	72
30/09/2022 21:50	4.4	285	9	6.3	0	22.8	73
30/09/2022 22:00	5.2	281	8	6.7	0	22.8	73
30/09/2022 22:10	5.4	281	8	7.1	0	22.8	73
30/09/2022 22:20	4.8	283	9	6.5	0	22.8	74
30/09/2022 22:30	4.7	276	8	5.8	0	22.8	75
30/09/2022 22:40	4.9	276	7	6.4	0	22.8	75
30/09/2022 22:50	4.8	284	7	6.5	0	22.8	76
30/09/2022 23:00	4.7	279	8	7	0	22.8	76
30/09/2022 23:10	5.5	280	9	7.5	0	22.9	77
30/09/2022 23:20	5.2	270	10	6.8	0	22.8	77
30/09/2022 23:30	5.6	265	7	7.4	0	22.9	77
30/09/2022 23:40	5.7	265	8	7.9	0	22.8	76
30/09/2022 23:50	5.3	274	9	7.4	0	22.8	76
10/01/2022 00:10	4.7	273	8	6.4	0	22.8	77



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/01/2022 00:20	4.7	272	9	6.5	0	22.9	78
10/01/2022 00:30	5.1	274	8	6.4	0	22.7	77
10/01/2022 00:40	4.5	279	8	6.2	0	22.7	77
10/01/2022 00:50	5.3	278	7	7	0	22.7	78
10/01/2022 01:00	5.1	280	8	6.6	0	22.7	78
10/01/2022 01:10	4.1	274	9	5.5	0	22.6	79
10/01/2022 01:20	4.1	273	8	5.3	0	22.5	79
10/01/2022 01:30	4	267	7	5	0	22.5	80
10/01/2022 01:40	3.2	269	7	4.3	0	22.3	81
10/01/2022 01:50	3.8	264	6	4.9	0	22.3	81
10/01/2022 02:00	3.4	264	7	4.3	0	22.2	82
10/01/2022 02:10	2.8	291	9	4	0	22.1	82
10/01/2022 02:20	2.9	298	8	4	0	22.1	82
10/01/2022 02:30	3.2	298	8	4.1	0	22.3	82
10/01/2022 02:40	2.6	299	10	4	0	22.3	82
10/01/2022 02:50	2	302	13	3.1	0	22.3	82
10/01/2022 03:00	2	285	10	2.6	0	22.2	82
10/01/2022 03:10	2	284	11	2.8	0	22.1	83
10/01/2022 03:20	3.2	269	8	4	0	22	83
10/01/2022 03:30	3.1	265	7	4	0	22.1	83
10/01/2022 03:40	2.9	271	6	3.9	0	22	83
10/01/2022 03:50	3.2	275	6	4.1	0	22	84
10/01/2022 04:00	3.1	275	8	4	0	22.1	85
10/01/2022 04:10	2.7	276	10	4	0	22.1	85
10/01/2022 04:20	2	299	9	3	0	22.1	84
10/01/2022 04:30	2.2	290	10	3.1	0	22.1	84
10/01/2022 04:40	1.7	290	9	2.6	0	22	85
10/01/2022 04:50	1.9	299	8	2.6	0	22.1	85
10/01/2022 05:00	1.9	299	12	3	0	22.1	85
10/01/2022 05:10	1.8	296	10	2.5	0	21.9	85
10/01/2022 05:20	2.3	284	11	2.9	0	21.8	85
10/01/2022 05:30	2.6	280	8	3.4	0	21.7	86
10/01/2022 05:40	2.6	283	8	3.5	0	21.8	85
10/01/2022 05:50	2.5	279	8	3.4	0	21.8	85
10/01/2022 06:00	2	277	7	2.8	0	21.7	85
10/01/2022 06:10	2.6	275	8	3.5	0	21.9	85
10/01/2022 06:20	2.7	275	8	3.4	0	22.2	85
10/01/2022 06:30	3.2	270	8	4.1	0	22.4	84
10/01/2022 06:40	3.1	268	8	4	0	22.6	83
10/01/2022 06:50	3.5	273	8	4.8	0	22.9	82
10/01/2022 07:00	3.5	278	8	4.6	0	23.2	81
10/01/2022 07:10	3.8	279	8	5	0	23.4	79
10/01/2022 07:20	3.7	278	9	5	0	23.6	78
10/01/2022 07:30	4	272	7	5.4	0	23.8	77
10/01/2022 07:40	3.3	282	12	4.7	0	24	76
10/01/2022 07:50	3.8	278	9	5	0	24.1	76
10/01/2022 08:00	3.6	277	12	4.9	0	24	77
10/01/2022 08:10	3.9	272	13	5.7	0	24	77



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/01/2022 08:20	4.7	271	8	5.9	0	24.1	76
10/01/2022 08:30	4.8	275	12	6.3	0	24.6	74
10/01/2022 08:40	4.7	256	11	5.9	0	24.9	74
10/01/2022 08:50	4.7	267	13	6.5	0	24.9	74
10/01/2022 09:00	4.7	270	13	6.5	0	25	73
10/01/2022 09:10	5.3	253	8	6.8	0	24.7	74
10/01/2022 09:20	5.2	254	10	7	0	24.9	73
10/01/2022 09:30	4.7	253	14	6.2	0	24.9	72
10/01/2022 09:40	3.5	283	19	5.1	0	25.4	71
10/01/2022 09:50	2.8	306	22	4.9	0	25.7	70
10/01/2022 10:00	2.7	328	16	4.7	0	26.2	69
10/01/2022 10:10	4	350	20	6.1	0	25.9	69
10/01/2022 10:20	3.9	338	21	6	0	26	68
10/01/2022 10:30	4.4	342	16	6.2	0	25.7	68
10/01/2022 10:40	4.9	325	9	6.7	0	25.6	67
10/01/2022 10:50	5	335	13	6.9	0	26	67
10/01/2022 11:00	5.3	334	14	6.9	0	26.1	68
10/01/2022 11:10	4.9	347	13	6.7	0	25.9	71
10/01/2022 11:20	4.2	343	18	6.4	0	26.2	69
10/01/2022 11:30	4.8	330	16	6.7	0	25.9	70
10/01/2022 11:40	4.4	342	13	6.7	0	25.8	71
10/01/2022 11:50	4.9	344	16	7.1	0	26.4	69
10/01/2022 12:00	4.9	342	19	7.3	0	26.1	70
10/01/2022 12:10	5.5	348	15	8.5	0	25.9	71
10/01/2022 12:20	4.9	353	14	7.9	0	26.2	70
10/01/2022 12:30	5.4	341	15	7.9	0	26.3	70
10/01/2022 12:40	4.9	333	16	7.2	0	26.3	70
10/01/2022 12:50	4.6	322	18	6.8	0	26.4	70
10/01/2022 13:00	5.7	329	14	8.3	0	26.2	70
10/01/2022 13:10	4.9	326	17	7.1	0	26.3	71
10/01/2022 13:20	5.5	331	13	7.9	0	26.5	70
10/01/2022 13:30	5.5	328	14	7.3	0	26.4	70
10/01/2022 13:40	5.6	333	13	7.6	0	26.3	69
10/01/2022 13:50	6	329	9	8.2	0	26.3	68
10/01/2022 14:00	6.3	322	10	8.4	0	26.6	67
10/01/2022 14:10	6.4	336	12	8.7	0	26.3	70
10/01/2022 14:20	6.9	333	10	9.1	0	26.1	72
10/01/2022 14:30	6.3	333	11	8.4	0	26.4	70
10/01/2022 14:40	6.9	337	10	8.9	0	26.2	69
10/01/2022 14:50	7.2	335	9	8.8	0	26.2	67
10/01/2022 15:00	6.8	329	10	8.5	0	26.3	65
10/01/2022 15:10	6.9	333	7	8.9	0	26.7	63
10/01/2022 15:20	5.9	333	10	8.2	0	26.8	63
10/01/2022 15:30	6.1	336	12	8.4	0	26.7	64
10/01/2022 15:40	6.4	337	13	8.7	0	26.8	62
10/01/2022 15:50	6.5	330	11	8.2	0	26.5	64
10/01/2022 16:00	7.6	334	9	9.6	0	26.3	64
10/01/2022 16:10	6.2	330	10	8.2	0	26.4	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/01/2022 16:20	6	324	11	8.6	0	26.5	65
10/01/2022 16:30	5.7	329	13	8.7	0	26.4	65
10/01/2022 16:40	6.1	324	12	8.2	0	26	66
10/01/2022 16:50	5.6	301	14	8.1	0	26.1	65
10/01/2022 17:00	6.5	287	8	9.3	0	26.5	60
10/01/2022 17:10	6.9	290	7	8.8	0	26.3	59
10/01/2022 17:20	7.1	291	8	9	0	26.1	60
10/01/2022 17:30	6.4	289	10	8.2	0	25.9	63
10/01/2022 17:40	5.7	309	15	8.3	0	25.7	65
10/01/2022 17:50	6	312	11	8.3	0	25.5	66
10/01/2022 18:00	5.9	291	11	8.3	0	25.3	66
10/01/2022 18:10	6.7	288	9	8.6	0	25	68
10/01/2022 18:20	6.7	290	9	8.7	0	24.8	69
10/01/2022 18:30	6	290	9	8.1	0	24.7	71
10/01/2022 18:40	7.1	283	8	9.4	0	24.6	72
10/01/2022 18:50	6.6	290	8	8.8	0	24.5	74
10/01/2022 19:00	6.4	293	8	7.9	0	24.5	74
10/01/2022 19:10	5.2	294	9	6.9	0	24.4	75
10/01/2022 19:20	5.2	292	8	7.1	0	24.4	74
10/01/2022 19:30	5.6	286	9	7.8	0	24.3	73
10/01/2022 19:40	5.1	288	8	7	0	24.4	72
10/01/2022 19:50	5.5	287	8	7.2	0	24.4	73
10/01/2022 20:00	6.1	288	8	7.6	0	24.3	73
10/01/2022 20:10	4.9	287	8	7	0	24.3	73
10/01/2022 20:20	5.1	288	7	6.6	0	24.2	74
10/01/2022 20:30	4.3	290	7	6	0	24.2	75
10/01/2022 20:40	4.1	284	8	5.8	0	24.1	75
10/01/2022 20:50	4.5	277	8	6.1	0	24.1	76
10/01/2022 21:00	4.6	274	8	5.8	0	24	75
10/01/2022 21:10	4.4	273	8	5.7	0	24.1	75
10/01/2022 21:20	5.3	278	8	7.1	0	24	76
10/01/2022 21:30	5.2	280	10	7.4	0	24	77
10/01/2022 21:40	5.3	276	9	7.5	0	23.9	78
10/01/2022 21:50	4.5	281	8	6.5	0	23.8	79
10/01/2022 22:00	4.4	282	9	6.8	0	23.7	80
10/01/2022 22:10	4.7	279	9	6.2	0	23.6	80
10/01/2022 22:20	4.6	285	8	6	0	23.5	80
10/01/2022 22:30	5.3	289	8	7.2	0	23.5	81
10/01/2022 22:40	5.2	287	10	7	0	23.5	81
10/01/2022 22:50	4.7	293	10	6.1	0	23.6	80
10/01/2022 23:00	4.1	310	13	5.9	0	23.7	80
10/01/2022 23:10	3.8	315	12	5.8	0	23.7	81
10/01/2022 23:20	4.3	318	11	6.8	0	23.6	81
10/01/2022 23:30	4.2	314	11	6.7	0	23.6	81
10/01/2022 23:40	4.8	312	10	7	0	23.6	81
10/01/2022 23:50	4.3	308	12	6.4	0	23.6	82
10/02/2022 00:00	4.4	309	12	6.2	0	23.6	82
10/02/2022 00:10	4.9	309	14	7.2	0	23.6	81



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/02/2022 00:20	4.2	302	14	6.8	0	23.5	81
10/02/2022 00:30	4.4	291	12	5.8	0	23.5	82
10/02/2022 00:40	3.7	305	12	5.3	0	23.5	82
10/02/2022 00:50	5	289	12	6.8	0	23.5	82
10/02/2022 01:00	6	284	10	8.2	0	23.4	83
10/02/2022 01:10	5.4	287	10	7.6	0	23.4	83
10/02/2022 01:20	6.2	285	9	8.2	0	23.4	83
10/02/2022 01:30	6.3	287	8	8.4	0	23.4	84
10/02/2022 01:40	6.1	286	8	7.9	0	23.4	84
10/02/2022 01:50	5.4	282	9	7.3	0	23.4	85
10/02/2022 02:00	6.3	278	7	7.9	0	23.4	85
10/02/2022 02:10	5.8	281	7	7.5	0	23.3	86
10/02/2022 02:20	6.1	280	9	8.6	0	23.2	86
10/02/2022 02:30	5.6	274	7	7.3	0	23.2	85
10/02/2022 02:40	5.3	279	9	7.1	0	23.1	86
10/02/2022 02:50	5	279	8	6.8	0	23.1	86
10/02/2022 03:00	5.1	281	9	6.6	0	23	87
10/02/2022 03:10	5.5	282	9	7.5	0	23	87
10/02/2022 03:20	5.5	286	8	7.4	0	23	87
10/02/2022 03:30	5.2	290	8	6.8	0	23	87
10/02/2022 03:40	4.9	289	8	6.9	0	23	88
10/02/2022 03:50	4.6	288	8	6.2	0	22.9	88
10/02/2022 04:00	5	289	7	6.7	0	23	88
10/02/2022 04:10	4.5	293	9	5.9	0	22.9	88
10/02/2022 04:20	4.6	290	8	6.2	0	22.9	89
10/02/2022 04:30	4.3	291	7	5.9	0	22.9	89
10/02/2022 04:40	3.8	292	7	4.9	0	22.9	88
10/02/2022 04:50	3.5	294	7	4.6	0	22.8	88
10/02/2022 05:00	3.7	294	5	4.6	0	22.9	88
10/02/2022 05:10	3.2	292	6	4.1	0	22.8	87
10/02/2022 05:20	3	290	7	3.8	0	22.8	87
10/02/2022 05:30	2.5	290	5	3.2	0	22.6	88
10/02/2022 05:40	2.3	302	6	3	0	22.6	88
10/02/2022 05:50	2.3	309	5	2.9	0	22.7	89
10/02/2022 06:00	2.1	302	5	2.8	0	22.7	89
10/02/2022 06:10	3.1	265	7	3.5	0	22.4	89
10/02/2022 06:20	3.1	265	3	3.5	0	22.2	89
10/02/2022 06:30	2.2	260	10	3.2	0	22.1	89
10/02/2022 06:40	2.7	256	8	3.4	0	22.3	88
10/02/2022 06:50	3	253	9	3.9	0	22.5	87
10/02/2022 07:00	3	254	11	4.1	0	22.8	84
10/02/2022 07:10	2.3	254	12	3.3	0	23.3	82
10/02/2022 07:20	2.9	224	16	4.4	0	23.7	77
10/02/2022 07:30	3.3	223	14	4.4	0	24.1	74
10/02/2022 07:40	3.4	207	12	4.7	0	24.2	71
10/02/2022 07:50	3.4	213	15	4.7	0	24.2	70
10/02/2022 08:00	3.7	207	15	5	0	24.6	65
10/02/2022 08:10	3	214	16	4.7	0	25.1	62



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/02/2022 08:20	3.2	211	18	4.3	0	25.2	59
10/02/2022 08:30	3.5	194	11	4.8	0	25.3	59
10/02/2022 08:40	3.4	210	23	4.6	0	25.4	60
10/02/2022 08:50	3.7	206	15	5.1	0	25.5	59
10/02/2022 09:00	4	208	28	5.5	0	25.8	57
10/02/2022 09:10	3.6	237	13	5	0	26.4	54
10/02/2022 09:20	3.5	228	21	5.3	0	27.1	51
10/02/2022 09:30	3.2	222	22	4.7	0	27.1	50
10/02/2022 09:40	3.3	229	26	4.6	0	27.3	49
10/02/2022 09:50	3.3	211	20	4.6	0	27.7	48
10/02/2022 10:00	3.5	189	19	5.4	0	27.9	46
10/02/2022 10:10	3.2	211	24	5.1	0	28.4	44
10/02/2022 10:20	3.3	198	24	5.4	0	28.6	43
10/02/2022 10:30	4.1	239	17	6	0	29.2	41
10/02/2022 10:40	4.3	247	18	6.3	0	29.5	39
10/02/2022 10:50	4	225	19	6.6	0	29.7	39
10/02/2022 11:00	4.6	233	20	7.7	0	30	37
10/02/2022 11:10	4.1	240	27	5.9	0	30	37
10/02/2022 11:20	3.2	274	26	5.5	0	30.3	38
10/02/2022 11:30	4.3	291	13	6.3	0	29.8	39
10/02/2022 11:40	5.3	289	12	7.2	0	29.8	39
10/02/2022 11:50	5.4	273	12	7.3	0	30	36
10/02/2022 12:00	5.4	278	16	8.3	0	29.9	36
10/02/2022 12:10	5.9	298	10	8.2	0	29.5	36
10/02/2022 12:20	5.5	291	17	8.5	0	29.7	38
10/02/2022 12:30	4.8	320	21	7.4	0	29.8	42
10/02/2022 12:40	5.8	309	16	8.4	0	29.2	47
10/02/2022 12:50	5.9	289	8	8	0	29.5	45
10/02/2022 13:00	7.1	289	10	9.1	0	28.8	48
10/02/2022 13:10	6.5	293	12	8.8	0	28.9	46
10/02/2022 13:20	7.3	273	9	10.3	0	30	35
10/02/2022 13:30	7.5	283	9	10.1	0	29.6	37
10/02/2022 13:40	7.7	280	10	10.2	0	29.4	39
10/02/2022 13:50	7.6	278	11	10.2	0	29.3	39
10/02/2022 14:00	7.8	281	12	10.4	0	29.3	39
10/02/2022 14:10	8.5	280	9	12.3	0	29	37
10/02/2022 14:20	9	274	9	12.1	0	28.8	36
10/02/2022 14:30	9.6	271	7	11.7	0	28.1	44
10/02/2022 14:40	8.1	278	11	11.7	0	28.5	42
10/02/2022 14:50	8.2	279	9	11.2	0	28.5	41
10/02/2022 15:00	7.9	285	8	10.2	0	28.4	38
10/02/2022 15:10	7.8	280	10	10.1	0	28.8	36
10/02/2022 15:20	7.9	282	9	10.2	0	28.8	34
10/02/2022 15:30	7.9	280	8	10.3	0	28.7	33
10/02/2022 15:40	7.6	280	9	10	0	29	32
10/02/2022 15:50	7.5	279	9	10	0	28.9	33
10/02/2022 16:00	7.2	290	11	9.7	0	28.5	40
10/02/2022 16:10	7.3	290	9	9.9	0	28.2	41



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/02/2022 16:20	7.8	295	7	9.6	0	27.4	46
10/02/2022 16:30	6.7	296	11	8.8	0	27.1	52
10/02/2022 16:40	7	296	8	9	0	26.7	53
10/02/2022 16:50	7.2	290	9	9.5	0	26.7	53
10/02/2022 17:00	6.7	293	9	8.9	0	26.7	53
10/02/2022 17:10	6	286	13	8.5	0	27.2	51
10/02/2022 17:20	7.1	283	12	9	0	27.3	45
10/02/2022 17:30	7.4	281	10	9.9	0	27.1	44
10/02/2022 17:40	7.2	283	7	9.3	0	26.6	49
10/02/2022 17:50	6.1	280	11	8.6	0	26.4	53
10/02/2022 18:00	6.3	282	10	8.9	0	26	56
10/02/2022 18:10	6	279	10	8.2	0	25.6	59
10/02/2022 18:20	6.5	280	9	9.2	0	25.5	59
10/02/2022 18:30	6.3	278	9	8.5	0	25.4	60
10/02/2022 18:40	6	281	10	8.8	0	25.3	61
10/02/2022 18:50	6.2	279	9	8.3	0	25.2	61
10/02/2022 19:00	6.5	280	9	9.3	0	25.2	62
10/02/2022 19:10	6.6	277	7	8.6	0	25.1	63
10/02/2022 19:20	6.1	277	7	8.1	0	25	66
10/02/2022 19:30	5.5	276	9	7.5	0	24.8	66
10/02/2022 19:40	5.6	279	8	7.5	0	25	63
10/02/2022 19:50	5.7	280	9	7.3	0	25	61
10/02/2022 20:00	5.9	279	7	8	0	25	62
10/02/2022 20:10	5.5	275	8	7.6	0	24.9	64
10/02/2022 20:20	6.2	277	7	8.5	0	24.9	65
10/02/2022 20:30	6.1	271	8	8.4	0	24.8	66
10/02/2022 20:40	6.7	270	8	9.1	0	24.8	66
10/02/2022 20:50	6.2	267	8	9.3	0	24.8	67
10/02/2022 21:00	7.6	265	8	10.6	0	24.7	66
10/02/2022 21:10	7.9	266	10	11	0	24.7	67
10/02/2022 21:20	7.5	265	8	10	0	24.6	69
10/02/2022 21:30	7.5	268	7	10.6	0	24.4	71
10/02/2022 21:40	7.5	269	8	10.2	0	24.4	71
10/02/2022 21:50	7	268	9	9.7	0	24.3	72
10/02/2022 22:00	7.4	269	8	9.9	0	24.3	72
10/02/2022 22:10	7.9	270	7	10.1	0	24.2	72
10/02/2022 22:20	7	268	8	9.8	0	24.2	72
10/02/2022 22:30	7.5	265	8	10.3	0	24.2	73
10/02/2022 22:40	7	265	9	10.3	0	24.2	72
10/02/2022 22:50	6.7	263	8	9.3	0	24.2	73
10/02/2022 23:00	6.7	260	9	9.5	0	24.1	73
10/02/2022 23:10	7.9	263	8	9.7	0	24.2	74
10/02/2022 23:20	7.1	262	8	9.9	0	24.2	74
10/02/2022 23:30	7.8	263	8	10.3	0	24.1	74
10/02/2022 23:40	7.2	257	8	8.9	0	24.1	75
10/02/2022 23:50	7	258	7	9.1	0	24.1	75
10/03/2022 00:00	7.2	260	8	9.4	0	24	76
10/03/2022 00:10	7	259	7	9.4	0	23.8	76



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/03/2022 00:20	6.7	258	8	8.9	0	23.6	74
10/03/2022 00:30	6.5	258	8	9.1	0	23.7	74
10/03/2022 00:40	6.2	257	9	9.4	0	23.5	74
10/03/2022 00:50	6.4	257	7	8.6	0	23.4	75
10/03/2022 01:00	6.1	260	8	7.3	0	23.3	75
10/03/2022 01:10	5.8	258	7	7.5	0	23.2	75
10/03/2022 01:20	6.2	255	8	8.1	0	23.2	75
10/03/2022 01:30	6.2	257	6	7.9	0	23	74
10/03/2022 01:40	6.3	259	7	7.7	0	22.8	72
10/03/2022 01:50	5.7	259	8	7.4	0	22.8	71
10/03/2022 02:00	5	257	7	6.6	0	22.6	70
10/03/2022 02:10	4.8	255	7	6.4	0	22.5	69
10/03/2022 02:20	4.8	254	7	6.3	0	22.3	67
10/03/2022 02:30	4.7	255	6	6.2	0	22.2	65
10/03/2022 02:40	4.6	256	7	5.9	0	22	64
10/03/2022 02:50	4.8	255	8	6.2	0	21.9	63
10/03/2022 03:00	4.7	254	8	6	0	21.8	62
10/03/2022 03:10	4.5	253	9	6.4	0	21.8	61
10/03/2022 03:20	4.3	258	7	5.5	0	21.4	61
10/03/2022 03:30	4.7	263	5	5.6	0	21.2	62
10/03/2022 03:40	4.7	264	5	5.7	0	21.1	62
10/03/2022 03:50	4.3	264	5	4.9	0	21	63
10/03/2022 04:00	4.5	267	6	5.4	0	20.8	64
10/03/2022 04:10	4.4	275	6	4.9	0	20.6	64
10/03/2022 04:20	4.1	281	6	4.8	0	20.7	64
10/03/2022 04:30	2.6	282	10	4	0	20.5	64
10/03/2022 04:40	2.1	266	14	3.2	0	20.4	64
10/03/2022 04:50	1.3	262	11	2.4	0	20.1	65
10/03/2022 05:00	2.1	242	22	4.2	0	20.7	63
10/03/2022 05:10	4	214	11	5.6	0	22.8	50
10/03/2022 05:20	3.5	206	10	4.6	0	22.7	48
10/03/2022 05:30	3.4	204	9	4.6	0	22.5	48
10/03/2022 05:40	3.5	200	11	4.8	0	22.4	49
10/03/2022 05:50	3.3	195	10	4.6	0	22.4	48
10/03/2022 06:00	3.1	190	10	4.8	0	22.4	48
10/03/2022 06:10	2.5	191	11	3.9	0	22.3	49
10/03/2022 06:20	2.7	186	12	4.3	0	22.4	49
10/03/2022 06:30	3.1	187	10	4.6	0	22.7	49
10/03/2022 06:40	3.1	182	13	4.4	0	22.8	49
10/03/2022 06:50	3.6	178	12	5.2	0	23.1	49
10/03/2022 07:00	3.6	176	12	5.2	0	23.3	48
10/03/2022 07:10	3.6	174	12	5.4	0	23.4	49
10/03/2022 07:20	3.3	175	11	4.5	0	23.7	49
10/03/2022 07:30	3.4	176	12	4.8	0	23.9	49
10/03/2022 07:40	2.8	172	14	4.3	0	24.4	49
10/03/2022 07:50	2.4	162	16	4.5	0	24.6	49
10/03/2022 08:00	2.5	155	15	4	0	24.9	48
10/03/2022 08:10	2.9	152	14	4.7	0	25	49





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/03/2022 08:20	2.7	143	15	4.2	0	25.2	49
10/03/2022 08:30	2.7	124	15	3.9	0	25.6	49
10/03/2022 08:40	2.7	121	14	3.9	0	25.4	50
10/03/2022 08:50	2.6	115	13	4	0	25.9	50
10/03/2022 09:00	2.8	106	17	3.8	0	26.3	50
10/03/2022 09:10	2.9	126	15	4.4	0	26.1	49
10/03/2022 09:20	2.6	131	13	3.9	0	26.3	49
10/03/2022 09:30	2.4	129	14	3.6	0	26.8	48
10/03/2022 09:40	2.4	128	20	4.2	0	26.8	48
10/03/2022 09:50	2.4	125	17	3.9	0	27	48
10/03/2022 10:00	2.4	130	15	3.6	0	27.6	46
10/03/2022 10:10	1.7	114	18	3.2	0	27.9	46
10/03/2022 10:20	2.6	109	17	4	0	28.1	46
10/03/2022 10:30	2.1	130	24	4.1	0	28.1	46
10/03/2022 10:40	2.8	100	26	4.4	0	28.4	45
10/03/2022 10:50	2.3	143	18	3.8	0	28.7	44
10/03/2022 11:00	2.5	107	21	4.2	0	29.5	43
10/03/2022 11:10	3.2	132	14	4.3	0	29.5	42
10/03/2022 11:20	2.1	132	18	4.3	0	29.1	42
10/03/2022 11:30	2.7	128	20	4.1	0	29.5	41
10/03/2022 11:40	2.1	117	25	3.9	0	29.9	39
10/03/2022 11:50	2.2	142	32	4.3	0	30.1	37
10/03/2022 12:00	2.4	127	35	5.1	0	30.2	37
10/03/2022 12:10	2.8	176	48	5.1	0	29.4	40
10/03/2022 12:20	2.7	55	23	4	0	29.7	41
10/03/2022 12:30	3.7	41	22	6.2	0	29.8	43
10/03/2022 12:40	3.7	39	17	6.1	0	29.8	42
10/03/2022 12:50	5.2	328	15	7.5	0	29.5	47
10/03/2022 13:00	6.6	347	11	9	0	27.8	54
10/03/2022 13:10	6.5	356	10	8.2	0	28.2	50
10/03/2022 13:20	6.5	344	10	8.4	0	27.9	53
10/03/2022 13:30	6.1	336	8	7.8	0	27.8	52
10/03/2022 13:40	6.4	334	12	8.3	0	27.6	54
10/03/2022 13:50	7	335	11	10	0	27.1	57
10/03/2022 14:00	7.2	331	10	9.1	0	27.1	58
10/03/2022 14:10	6.3	336	10	8.7	0	27.1	58
10/03/2022 14:20	7.3	326	10	9.3	0	27.2	56
10/03/2022 14:30	7.1	309	12	9	0	27	55
10/03/2022 14:40	6.2	313	16	9	0	27.2	59
10/03/2022 14:50	6.8	317	12	9.2	0	26.8	60
10/03/2022 15:00	6.8	332	11	9.6	0	27	60
10/03/2022 15:10	6.3	332	14	9.9	0	27.1	61
10/03/2022 15:20	6.3	319	12	8.5	0	27.3	58
10/03/2022 15:30	6.9	314	12	9.7	0	27.2	56
10/03/2022 15:40	6.1	320	14	8.4	0	27.2	57
10/03/2022 15:50	6.9	321	10	9.8	0	26.8	60
10/03/2022 16:00	7	312	12	9.3	0	26.7	59
10/03/2022 16:10	5.9	307	13	9.2	0	26.8	56



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/03/2022 16:20	6.4	307	13	9.6	0	26.8	54
10/03/2022 16:30	6.4	298	12	8.9	0	26.6	55
10/03/2022 16:40	6.2	305	12	9	0	26.6	55
10/03/2022 16:50	6.5	311	12	8.9	0	26.5	56
10/03/2022 17:00	6.8	315	11	9	0	26.3	56
10/03/2022 17:10	5.6	309	10	8.2	0	26.3	57
10/03/2022 17:20	6	310	12	9.1	0	26.3	56
10/03/2022 17:30	5.3	308	11	7.9	0	26.2	57
10/03/2022 17:40	5.9	311	12	9	0	26	57
10/03/2022 17:50	5.4	311	11	7.5	0	25.8	58
10/03/2022 18:00	4.7	314	12	6.5	0	25.6	61
10/03/2022 18:10	4.5	302	13	6.2	0	25.4	61
10/03/2022 18:20	4.9	295	13	6.8	0	25.2	61
10/03/2022 18:30	4.8	295	11	7	0	25.1	61
10/03/2022 18:40	4.8	293	12	7.1	0	25	63
10/03/2022 18:50	5.5	289	10	7.3	0	24.9	64
10/03/2022 19:00	6	287	9	7.8	0	24.8	64
10/03/2022 19:10	6.6	285	9	8.1	0	24.8	63
10/03/2022 19:20	7	287	8	9.2	0	24.9	61
10/03/2022 19:30	7.1	285	9	9.5	0	25	60
10/03/2022 19:40	6.8	288	8	8.7	0	24.8	61
10/03/2022 19:50	6.6	288	9	9.2	0	24.8	63
10/03/2022 20:00	6.5	285	8	8.9	0	24.6	65
10/03/2022 20:10	6.4	284	6	8.5	0	24.4	68
10/03/2022 20:20	6.4	288	8	8.8	0	24.3	67
10/03/2022 20:30	6.4	291	7	8.1	0	24.4	67
10/03/2022 20:40	5.1	284	9	7.2	0	24.2	68
10/03/2022 20:50	6.1	281	8	8.1	0	24.1	69
10/03/2022 21:00	5.3	284	8	7.3	0	24	71
10/03/2022 21:10	4.5	283	9	6.4	0	23.9	71
10/03/2022 21:20	4.6	285	8	6.2	0	23.8	72
10/03/2022 21:30	5.2	283	8	6.8	0	23.8	73
10/03/2022 21:40	4.9	282	9	7.2	0	23.8	73
10/03/2022 21:50	5	279	9	7.1	0	23.8	73
10/03/2022 22:00	5.4	276	9	8	0	23.8	74
10/03/2022 22:10	5.9	271	8	8.6	0	23.9	73
10/03/2022 22:20	6.6	273	8	8.4	0	23.9	73
10/03/2022 22:30	5.7	270	9	8.5	0	23.8	74
10/03/2022 22:40	6.8	272	9	9.2	0	23.8	73
10/03/2022 22:50	6.6	268	6	9.5	0	23.8	73
10/03/2022 23:00	6.4	266	9	8.7	0	23.8	72
10/03/2022 23:10	6.7	262	8	8.5	0	23.9	72
10/03/2022 23:20	6.9	263	9	8.6	0	23.8	72
10/03/2022 23:30	6.1	267	8	8.4	0	23.7	73
10/03/2022 23:40	6.5	266	9	8.6	0	23.6	75
10/03/2022 23:50	5.7	269	8	7.6	0	23.6	76
10/04/2022 00:00	6.6	268	9	8.8	0	23.5	77
10/04/2022 00:10	6.3	270	7	8.2	0	23.5	78



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/04/2022 00:20	5.8	266	7	7.7	0	23.4	79
10/04/2022 00:30	5.9	268	8	8	0	23.3	80
10/04/2022 00:40	5.9	266	7	8	0	23.3	80
10/04/2022 00:50	5.3	262	8	7.3	0	23.3	80
10/04/2022 01:00	6	263	8	7.4	0	23.3	79
10/04/2022 01:10	5.5	266	7	7.3	0	23.3	79
10/04/2022 01:20	5.6	272	6	7.6	0	23.2	79
10/04/2022 01:30	5.3	267	7	7.1	0	23.2	79
10/04/2022 01:40	5	267	6	6	0	23.2	79
10/04/2022 01:50	4.9	267	7	6	0	23.2	80
10/04/2022 02:00	4.9	267	7	6.1	0	23.1	80
10/04/2022 02:10	4.2	269	7	5.7	0	23	81
10/04/2022 02:20	4.4	265	7	5.8	0	23	81
10/04/2022 02:30	4	261	6	5.4	0	22.9	81
10/04/2022 02:40	3.8	257	3	4.3	0	22.5	83
10/04/2022 02:50	4	253	5	4.8	0	22.3	84
10/04/2022 03:00	4.3	252	5	4.8	0	22.1	84
10/04/2022 03:10	4.7	252	5	5.6	0	22.5	84
10/04/2022 03:20	4	250	8	5.2	0	22.5	83
10/04/2022 03:30	3.1	254	9	4.4	0	22.2	84
10/04/2022 03:40	3.4	256	7	4.1	0	21.5	84
10/04/2022 03:50	3.4	258	6	4	0	21	85
10/04/2022 04:00	3.2	259	6	3.8	0	20.5	86
10/04/2022 04:10	3.3	262	5	3.9	0	20.4	87
10/04/2022 04:20	2.5	274	6	3.1	0	20.3	87
10/04/2022 04:30	0.9	278	7	2.2	0	20.2	86
10/04/2022 04:40	1.1	264	23	2.6	0	20.4	85
10/04/2022 04:50	2.3	225	28	3.8	0	21.2	74
10/04/2022 05:00	2.7	215	13	4	0	22	61
10/04/2022 05:10	2.7	194	13	4.4	0	22.4	53
10/04/2022 05:20	2.6	185	15	4.7	0	22.2	53
10/04/2022 05:30	3.1	183	13	4.9	0	22.2	52
10/04/2022 05:40	3	181	12	4.5	0	22.1	52
10/04/2022 05:50	3.2	175	11	4.4	0	22	52
10/04/2022 06:00	2.2	165	18	4.2	0	22.3	50
10/04/2022 06:10	2	149	18	3.8	0	22.8	48
10/04/2022 06:20	2.8	144	15	4.8	0	23.5	46
10/04/2022 06:30	2.2	137	17	4.1	0	23.7	47
10/04/2022 06:40	2.3	129	14	4.1	0	23.7	50
10/04/2022 06:50	2.2	120	15	3.9	0	24.1	52
10/04/2022 07:00	2.8	113	13	4.2	0	24.1	53
10/04/2022 07:10	3.9	116	12	5.3	0	24.2	52
10/04/2022 07:20	3.9	114	9	5.7	0	24.3	52
10/04/2022 07:30	4.2	113	10	5.6	0	24.3	52
10/04/2022 07:40	3.6	111	11	5.2	0	24.4	53
10/04/2022 07:50	4.1	108	13	6.1	0	24.6	52
10/04/2022 08:00	3.9	112	12	6.3	0	24.9	52
10/04/2022 08:10	4.9	101	12	7.2	0	25.2	54



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/04/2022 08:20	5.2	101	13	7.5	0	25.6	54
10/04/2022 08:30	5.3	108	13	7.7	0	25.6	54
10/04/2022 08:40	5.5	109	13	7.4	0	25.8	55
10/04/2022 08:50	5.6	102	13	8	0	26.1	56
10/04/2022 09:00	5.6	107	13	8.2	0	26.2	56
10/04/2022 09:10	6.7	88	9	9.1	0	26.4	55
10/04/2022 09:20	6.9	85	8	9	0	26.2	56
10/04/2022 09:30	6.9	88	7	8.3	0	26	56
10/04/2022 09:40	6.8	87	9	8.7	0	26.1	54
10/04/2022 09:50	6.4	87	8	8.4	0	26.4	54
10/04/2022 10:00	6	90	10	7.7	0	26.5	54
10/04/2022 10:10	5.7	87	9	7.7	0	26.6	55
10/04/2022 10:20	5.9	85	8	7.9	0	27	55
10/04/2022 10:30	5.8	88	10	7.9	0	26.9	58
10/04/2022 10:40	6.6	85	10	8.8	0	27.4	55
10/04/2022 10:50	6	72	10	7.8	0	27.7	54
10/04/2022 11:00	7.4	74	8	9	0	27.4	54
10/04/2022 11:10	6.5	80	13	8.7	0	27.7	56
10/04/2022 11:20	6.1	65	13	8.7	0	27.9	57
10/04/2022 11:30	6.6	61	10	8.4	0.4	27.7	59
10/04/2022 11:40	6.6	68	9	8.4	0.3	27.7	59
10/04/2022 11:50	7.1	58	9	8.8	0	27.7	59
10/04/2022 12:00	6.6	62	13	9	0	27.9	58
10/04/2022 12:10	6.5	57	9	8.5	0	27.4	60
10/04/2022 12:20	6.8	56	10	8.9	0	27.6	60
10/04/2022 12:30	6.7	55	9	8.6	0	27.6	60
10/04/2022 12:40	6.2	53	10	7.8	0	28	58
10/04/2022 12:50	6.3	53	9	8.2	0	27.9	58
10/04/2022 13:00	5.7	58	12	7.1	0	28.2	58
10/04/2022 13:10	5.9	60	11	7.7	0	28.3	56
10/04/2022 13:20	5.8	51	13	7.6	0	28.5	56
10/04/2022 13:30	6	55	12	7.9	0	28.4	54
10/04/2022 13:40	5.7	57	10	7	0	28.5	53
10/04/2022 13:50	5.6	55	10	7.3	0	28.8	52
10/04/2022 14:00	5.2	60	10	6.8	0	29.2	47
10/04/2022 14:10	5.6	63	9	6.5	0	29.4	45
10/04/2022 14:20	5.9	63	10	7.1	0	29.3	46
10/04/2022 14:30	5.5	63	12	6.9	0	29.1	47
10/04/2022 14:40	6	54	8	7.3	0	29.1	47
10/04/2022 14:50	5.5	56	11	7.3	0	29.7	44
10/04/2022 15:00	5.3	55	14	7.2	0	29.8	43
10/04/2022 15:10	4.9	39	16	6.5	0	29.7	43
10/04/2022 15:20	4.7	13	11	6.4	0	29.9	42
10/04/2022 15:30	4.8	8	10	5.9	0	29.7	42
10/04/2022 15:40	4.7	3	11	5.9	0	29.8	42
10/04/2022 15:50	5.3	2	10	6.6	0	29.3	47
10/04/2022 16:00	5.7	9	7	6.9	0	28.9	49
10/04/2022 16:10	5.5	7	7	6.5	0	28.5	54



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/04/2022 16:20	5	6	10	6.2	0	28.1	59
10/04/2022 16:30	5.7	4	9	6.9	0	27.7	60
10/04/2022 16:40	5.4	176	15	7.2	0	27.4	59
10/04/2022 16:50	4.6	335	11	5.9	0	27.6	56
10/04/2022 17:00	4.6	332	8	5.8	0	26.9	60
10/04/2022 17:10	5.2	332	8	6.5	0	26.6	62
10/04/2022 17:20	5.5	333	9	6.9	0	26.1	63
10/04/2022 17:30	5.1	336	9	6.4	0	25.9	64
10/04/2022 17:40	4.4	336	11	5.8	0	25.9	65
10/04/2022 17:50	5.5	327	7	7	0	25.4	69
10/04/2022 18:00	5.5	326	6	6.9	0	25.1	70
10/04/2022 18:10	4.8	326	9	6	0	25	72
10/04/2022 18:20	4.4	326	8	6.1	0	25	73
10/04/2022 18:30	5.1	323	10	6.7	0	24.8	74
10/04/2022 18:40	4.2	309	12	5.6	0	24.7	74
10/04/2022 18:50	4.2	297	12	5.9	0	24.9	74
10/04/2022 19:00	4.6	296	7	6.1	0	24.8	75
10/04/2022 19:10	4.7	296	7	6.1	0	24.4	76
10/04/2022 19:20	4.9	285	9	6.7	0	24.4	76
10/04/2022 19:30	4.8	281	9	6.3	0	24.3	77
10/04/2022 19:40	5.2	278	7	6.4	0	24.1	78
10/04/2022 19:50	4.8	277	6	5.8	0	24	78
10/04/2022 20:00	4.5	276	8	5.6	0	24	79
10/04/2022 20:10	4.9	274	7	6.3	0	23.9	80
10/04/2022 20:20	4.6	276	8	5.8	0	23.9	80
10/04/2022 20:30	4.8	272	6	5.7	0	23.9	80
10/04/2022 20:40	4.1	279	8	5.5	0	23.8	81
10/04/2022 20:50	4.3	278	7	5.1	0	23.8	81
10/04/2022 21:00	4.1	274	9	5.2	0	23.8	82
10/04/2022 21:10	4.9	269	9	6.4	0	23.7	82
10/04/2022 21:20	5	272	7	6.6	0	23.8	82
10/04/2022 21:30	4.4	269	8	6.1	0	23.8	83
10/04/2022 21:40	4.1	268	8	6	0	23.6	83
10/04/2022 21:50	4.5	268	8	6.2	0	23.6	80
10/04/2022 22:00	4.7	260	7	5.9	0	23.7	78
10/04/2022 22:10	4.8	263	6	6.2	0	23.9	76
10/04/2022 22:20	4.1	260	8	5.5	0	23.9	75
10/04/2022 22:30	4.1	258	8	5.2	0	23.8	76
10/04/2022 22:40	3.9	263	7	4.9	0	23.7	75
10/04/2022 22:50	3.7	260	8	5.1	0	23.6	76
10/04/2022 23:00	4.1	261	7	5	0	23.6	76
10/04/2022 23:10	3.4	263	7	4.2	0	23.5	75
10/04/2022 23:20	3.7	256	7	4.8	0	23.4	75
10/04/2022 23:30	3.9	258	7	4.7	0	23.1	73
10/04/2022 23:40	3.6	253	9	4.7	0	22.9	71
10/04/2022 23:50	3.8	259	6	5	0	22.7	71
10/05/2022 00:00	3.6	259	6	4.5	0	22.7	70
10/05/2022 00:10	3.5	259	7	4.6	0	22.7	70



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/05/2022 00:20	3.4	260	7	4.3	0	22.7	72
10/05/2022 00:30	3.6	262	8	4.7	0	22.6	71
10/05/2022 00:40	3.3	265	7	4.2	0	22.6	70
10/05/2022 00:50	3.2	263	7	4.3	0	22.4	70
10/05/2022 01:00	3	261	7	4	0	22.3	69
10/05/2022 01:10	3.5	253	9	4.8	0	22.4	68
10/05/2022 01:20	3.2	262	7	4.1	0	22.2	67
10/05/2022 01:30	3.3	258	7	4.2	0	22	68
10/05/2022 01:40	3.9	258	5	4.7	0	21.9	68
10/05/2022 01:50	3.3	260	6	3.9	0	21.9	68
10/05/2022 02:00	3.7	260	5	4.4	0	21.7	69
10/05/2022 02:10	3.7	255	7	4.8	0	21.8	69
10/05/2022 02:20	3.7	259	7	4.9	0	21.8	70
10/05/2022 02:30	3.7	255	8	4.8	0	21.8	71
10/05/2022 02:40	3.6	259	6	4.4	0	21.7	71
10/05/2022 02:50	4.2	255	5	4.9	0	21.6	70
10/05/2022 03:00	4.1	255	5	5	0	21.6	70
10/05/2022 03:10	4.2	255	6	5.5	0	21.6	68
10/05/2022 03:20	4	255	6	5.1	0	21.5	68
10/05/2022 03:30	4	254	8	5.2	0	21.5	68
10/05/2022 03:40	3.6	259	6	4.7	0	21.3	68
10/05/2022 03:50	3.4	259	5	4.4	0	21	68
10/05/2022 04:00	3.6	256	6	4.5	0	21.3	67
10/05/2022 04:10	3.5	260	6	4.6	0	20.9	66
10/05/2022 04:20	3.3	264	6	3.9	0	20.8	66
10/05/2022 04:30	3.6	264	6	4.5	0	20.8	65
10/05/2022 04:40	3.5	265	7	4.5	0	20.8	64
10/05/2022 04:50	3.2	265	5	4.1	0	20.7	65
10/05/2022 05:00	4	268	5	4.9	0	20.8	64
10/05/2022 05:10	3.3	264	6	4.1	0	20.9	63
10/05/2022 05:20	3.9	268	6	4.8	0	20.8	63
10/05/2022 05:30	3.7	264	6	4.7	0	20.9	63
10/05/2022 05:40	3.3	262	5	4.2	0	20.8	63
10/05/2022 05:50	3.1	260	4	3.7	0	20.3	65
10/05/2022 06:00	3.1	267	4	3.6	0	20.2	65
10/05/2022 06:10	3	261	5	3.8	0	20.1	66
10/05/2022 06:20	2.9	257	8	3.7	0	20.2	65
10/05/2022 06:30	2.7	265	4	3.3	0	20.6	63
10/05/2022 06:40	3.2	261	4	3.6	0	20.9	62
10/05/2022 06:50	3.2	261	5	3.7	0	21.4	62
10/05/2022 07:00	3.4	262	6	4.2	0	21.9	62
10/05/2022 07:10	3.9	259	6	4.8	0	22.3	61
10/05/2022 07:20	4.3	260	7	5.2	0	22.7	61
10/05/2022 07:30	3.9	261	9	5.1	0	23	58
10/05/2022 07:40	3.8	265	6	4.5	0	23.2	54
10/05/2022 07:50	3.3	266	10	4.2	0	23.5	53
10/05/2022 08:00	2.5	278	13	3.4	0	23.9	50
10/05/2022 08:10	2.5	275	16	3.8	0	24.4	48



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/05/2022 08:20	0.8	269	20	2.6	0	24.8	46
10/05/2022 08:30	1.2	188	16	2.9	0	24.9	44
10/05/2022 08:40	0	186	11	0.3	0	25.8	42
10/05/2022 08:50	0.4	166	27	2.2	0	26.4	41
10/05/2022 09:00	1.6	49	29	2.7	0	26.6	41
10/05/2022 09:10	0.8	75	23	2.4	0	27	40
10/05/2022 09:20	2.6	100	20	3.9	0	27.3	42
10/05/2022 09:30	1.8	140	24	3.1	0	27	42
10/05/2022 09:40	2	199	31	3.5	0	26.6	44
10/05/2022 09:50	2.9	248	14	4.1	0	26.4	45
10/05/2022 10:00	2.8	284	31	4.1	0	26.8	43
10/05/2022 10:10	2.5	328	16	3.7	0	26.4	44
10/05/2022 10:20	2.3	334	14	3.7	0	26.8	43
10/05/2022 10:30	2.2	320	33	3.9	0	27.4	41
10/05/2022 10:40	3	304	16	4.5	0	27	42
10/05/2022 10:50	2.6	322	18	4.1	0	27.3	42
10/05/2022 11:00	3.1	332	14	4.5	0	27.3	42
10/05/2022 11:10	2.9	322	15	4.3	0	27.5	42
10/05/2022 11:20	2.8	325	17	4.3	0	27.5	40
10/05/2022 11:30	3.5	327	13	5.1	0	27.5	41
10/05/2022 11:40	3.7	332	12	4.7	0	27.2	43
10/05/2022 11:50	4	326	11	5.3	0	27.6	39
10/05/2022 12:00	4.1	327	13	5.3	0	27.8	38
10/05/2022 12:10	4	326	14	5.1	0	28	37
10/05/2022 12:20	4.3	335	18	6.1	0	27.6	43
10/05/2022 12:30	3.5	342	20	5.2	0	28.1	42
10/05/2022 12:40	4	324	16	5.8	0	28.2	41
10/05/2022 12:50	3.9	322	15	5.4	0	27.8	45
10/05/2022 13:00	4.6	330	10	6.1	0	27.7	43
10/05/2022 13:10	5.2	327	9	6.8	0	27.6	45
10/05/2022 13:20	5.2	326	11	7.3	0	27.5	45
10/05/2022 13:30	5.4	321	15	7.8	0	27.6	42
10/05/2022 13:40	5	320	11	6.6	0	27.6	42
10/05/2022 13:50	5	321	19	7	0	28	40
10/05/2022 14:00	4.4	316	14	6.5	0	28.2	41
10/05/2022 14:10	4.2	299	14	6	0	28.8	41
10/05/2022 14:20	4.5	289	14	6.2	0	28.3	43
10/05/2022 14:30	3.9	303	16	5.5	0	28.4	45
10/05/2022 14:40	3.8	307	18	6	0	28.4	44
10/05/2022 14:50	4.8	276	12	6.4	0	28.6	43
10/05/2022 15:00	4.5	289	17	6.1	0	28.2	43
10/05/2022 15:10	5.2	278	11	6.8	0	28.1	46
10/05/2022 15:20	5.4	286	11	7.1	0	27.7	48
10/05/2022 15:30	6.2	268	13	8.5	0	27.2	54
10/05/2022 15:40	5.8	272	11	7.6	0	27.4	52
10/05/2022 15:50	5.8	269	10	7.8	0	27.3	51
10/05/2022 16:00	6.1	270	9	7.7	0	27	53
10/05/2022 16:10	6.6	270	7	8.1	0	26.8	52



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/05/2022 16:20	5.7	269	9	7	0	26.8	52
10/05/2022 16:30	5.6	268	9	7	0	26.8	54
10/05/2022 16:40	6.1	269	10	7.8	0	26.6	53
10/05/2022 16:50	5.9	265	9	7.5	0	26.7	52
10/05/2022 17:00	5.8	275	9	7.5	0	26.7	51
10/05/2022 17:10	6.2	267	8	7.7	0	26.5	51
10/05/2022 17:20	6	261	9	8	0	26.3	55
10/05/2022 17:30	5.7	263	10	8.4	0	25.9	58
10/05/2022 17:40	6.7	263	8	8.7	0	25.6	56
10/05/2022 17:50	6	269	9	8.3	0	25.5	53
10/05/2022 18:00	6.2	274	9	8.4	0	25.4	51
10/05/2022 18:10	6.1	271	7	8	0	25.2	51
10/05/2022 18:20	5.1	269	9	7.1	0	25.1	54
10/05/2022 18:30	5.2	290	8	7.2	0	24.8	65
10/05/2022 18:40	5.2	293	7	6.7	0	24.6	67
10/05/2022 18:50	5.1	292	7	6.4	0	24.5	66
10/05/2022 19:00	5.2	292	8	6.6	0	24.4	68
10/05/2022 19:10	5.2	290	8	6.9	0	24.3	71
10/05/2022 19:20	5.5	292	7	6.9	0	24.2	71
10/05/2022 19:30	4.6	287	8	6.7	0	24.1	72
10/05/2022 19:40	4.6	289	8	6.5	0	24.1	72
10/05/2022 19:50	5	290	8	6.6	0	24.1	71
10/05/2022 20:00	4.4	289	8	6.4	0	24.1	71
10/05/2022 20:10	4.3	285	7	5.6	0	24	71
10/05/2022 20:20	5.5	274	8	7.1	0	24.1	68
10/05/2022 20:30	6.3	271	7	8	0	24.3	64
10/05/2022 20:40	5.4	267	9	7.2	0	24.3	67
10/05/2022 20:50	5.9	272	8	8.4	0	24.2	66
10/05/2022 21:00	5.7	266	9	8.3	0	24.2	68
10/05/2022 21:10	6.3	268	8	9.1	0	24.2	68
10/05/2022 21:20	6.7	269	8	8.8	0	24.1	68
10/05/2022 21:30	6.3	271	8	8.1	0	24.1	70
10/05/2022 21:40	6.2	273	9	8.5	0	24	71
10/05/2022 21:50	6.1	269	9	8.8	0	24	73
10/05/2022 22:00	6.2	267	8	8.3	0	23.9	74
10/05/2022 22:10	6.4	269	9	9.2	0	23.9	74
10/05/2022 22:20	6.4	268	8	8.9	0	23.9	74
10/05/2022 22:30	5.8	272	7	8.2	0	23.8	75
10/05/2022 22:40	6.3	269	8	8.9	0	23.9	76
10/05/2022 22:50	7.4	267	6	9.4	0	23.9	76
10/05/2022 23:00	6.7	269	8	9	0	23.9	75
10/05/2022 23:10	6.3	267	8	8.6	0	23.9	74
10/05/2022 23:20	6.5	265	8	9	0	23.9	73
10/05/2022 23:30	7.2	263	8	9.5	0	24	69
10/05/2022 23:40	7	260	7	9.3	0	24.1	68
10/05/2022 23:50	6.6	257	7	8.6	0	23.8	66
10/06/2022 00:00	7.6	259	7	9.9	0	23.8	65
10/06/2022 00:10	7.2	259	9	9.4	0	23.7	65





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/06/2022 00:20	7	257	8	9.8	0	23.5	65
10/06/2022 00:30	6.7	257	8	8.7	0	23.3	65
10/06/2022 00:40	6.8	256	8	8.8	0	23.3	65
10/06/2022 00:50	7	257	8	9.4	0	23.2	66
10/06/2022 01:00	6.8	258	8	9	0	23.2	66
10/06/2022 01:10	6.3	261	8	8.1	0	23	67
10/06/2022 01:20	6	256	8	7.9	0	22.9	67
10/06/2022 01:30	6	255	7	7.5	0	22.8	66
10/06/2022 01:40	5.8	258	7	8	0	22.7	67
10/06/2022 01:50	5.9	255	7	7.7	0	22.6	67
10/06/2022 02:00	5.9	258	7	7.7	0	22.5	66
10/06/2022 02:10	5.7	258	6	7.3	0	22.3	66
10/06/2022 02:20	5.7	259	7	6.7	0	22.3	66
10/06/2022 02:30	5.5	258	6	6.7	0	22.2	65
10/06/2022 02:40	5.4	258	6	7.2	0	22.1	66
10/06/2022 02:50	5.2	259	7	6.9	0	21.9	66
10/06/2022 03:00	5	260	6	6.2	0	21.7	66
10/06/2022 03:10	4.9	259	6	6.2	0	21.6	65
10/06/2022 03:20	4.9	260	6	6.1	0	21.5	65
10/06/2022 03:30	4.7	261	6	6	0	21.4	64
10/06/2022 03:40	4.5	263	5	5.6	0	21.3	64
10/06/2022 03:50	4.1	262	5	5.1	0	21.1	65
10/06/2022 04:00	3.9	261	5	4.6	0	20.8	65
10/06/2022 04:10	3.7	260	6	4.7	0	20.7	65
10/06/2022 04:20	4	265	4	4.7	0	20.5	66
10/06/2022 04:30	4	267	4	4.6	0	20.4	66
10/06/2022 04:40	3.3	268	8	4.2	0	20.1	66
10/06/2022 04:50	2.5	256	13	4.2	0	20.3	65
10/06/2022 05:00	3	233	20	5.2	0	21.7	58
10/06/2022 05:10	5.2	214	13	7.1	0	23.4	52
10/06/2022 05:20	6.6	212	9	8.9	0	23.8	48
10/06/2022 05:30	5.5	211	8	7.3	0	23.6	46
10/06/2022 05:40	4.4	207	11	5.7	0	23.5	44
10/06/2022 05:50	5	205	10	7.1	0	23.5	43
10/06/2022 06:00	4.8	208	10	6.9	0	23.5	43
10/06/2022 06:10	4.7	203	10	6.4	0	23.5	42
10/06/2022 06:20	4.7	206	11	6.5	0	23.8	42
10/06/2022 06:30	4.5	208	10	6.2	0	24.1	40
10/06/2022 06:40	4.6	209	12	6.6	0	24.4	40
10/06/2022 06:50	5.1	207	9	7	0	24.5	39
10/06/2022 07:00	4.9	206	11	6.9	0	24.6	39
10/06/2022 07:10	5	206	12	7	0	24.7	39
10/06/2022 07:20	4.2	199	11	6	0	25	39
10/06/2022 07:30	4	193	12	6.4	0	25.2	39
10/06/2022 07:40	4.6	193	11	6.7	0	25.2	39
10/06/2022 07:50	4.2	186	13	6	0	25.5	38
10/06/2022 08:00	4.8	189	12	7.4	0	26	37
10/06/2022 08:10	5.8	191	13	8.4	0	26.2	36



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/06/2022 08:20	4.9	176	14	7.3	0	26.6	36
10/06/2022 08:30	5.3	174	11	7.8	0	26.8	35
10/06/2022 08:40	4.8	175	11	6.7	0	27.2	34
10/06/2022 08:50	4.1	159	18	5.9	0	27.7	33
10/06/2022 09:00	3.4	149	21	5.5	0	28.1	32
10/06/2022 09:10	3.5	140	16	4.9	0	28.5	31
10/06/2022 09:20	3.1	140	13	4.6	0	29	30
10/06/2022 09:30	2.9	157	20	4.4	0	28.9	31
10/06/2022 09:40	3.4	122	15	4.6	0	29.3	32
10/06/2022 09:50	3.1	122	13	4.7	0	29.7	32
10/06/2022 10:00	3.2	116	16	4.2	0	29.9	30
10/06/2022 10:10	3.2	118	13	4.5	0	30.1	28
10/06/2022 10:20	3	121	12	4.2	0	30.4	28
10/06/2022 10:30	3.4	114	21	5.1	0	31	26
10/06/2022 10:40	3.5	113	16	5.2	0	31.1	26
10/06/2022 10:50	3.5	95	22	5	0	31.3	25
10/06/2022 11:00	3.9	80	11	5.5	0	30.9	25
10/06/2022 11:10	3.9	69	14	5.9	0	31	25
10/06/2022 11:20	4.7	49	11	6.6	0	30.9	27
10/06/2022 11:30	4.9	50	12	6.1	0	30.9	29
10/06/2022 11:40	5.1	62	10	6.7	0	30.5	29
10/06/2022 11:50	5	47	13	7.3	0	31.1	29
10/06/2022 12:00	5.4	47	13	7.5	0	31	29
10/06/2022 12:10	5.7	62	9	7.3	0	30.5	31
10/06/2022 12:20	5.7	61	10	7.1	0	31.1	31
10/06/2022 12:30	5.4	56	11	6.9	0	31.2	30
10/06/2022 12:40	5.5	58	9	7.2	0	31.2	27
10/06/2022 12:50	5.2	58	11	6.6	0	31.4	27
10/06/2022 13:00	5.2	49	12	6.6	0	31.5	27
10/06/2022 13:10	5.1	18	23	8.3	0	30.6	36
10/06/2022 13:20	4.5	329	18	6.7	0	30.1	42
10/06/2022 13:30	5.6	333	14	7.6	0	30.2	42
10/06/2022 13:40	5.9	316	9	7.8	0	29.4	44
10/06/2022 13:50	5.3	322	14	7.4	0	29.5	42
10/06/2022 14:00	5.2	325	13	7.6	0	29.7	39
10/06/2022 14:10	5.4	337	10	7.1	0	29.1	43
10/06/2022 14:20	5.4	332	11	7	0	29.4	43
10/06/2022 14:30	5.1	329	12	6.9	0	29.4	41
10/06/2022 14:40	4.3	307	16	7	0	29.8	40
10/06/2022 14:50	5.1	300	12	7	0	29.4	40
10/06/2022 15:00	4.9	299	12	6.8	0	29.7	40
10/06/2022 15:10	5.4	299	10	7.1	0	29.4	39
10/06/2022 15:20	5.2	298	12	7.2	0	29.6	38
10/06/2022 15:30	6	311	7	7.6	0	29.4	37
10/06/2022 15:40	5.6	307	12	7.4	0	29.7	36
10/06/2022 15:50	4.9	297	14	6.6	0	30.2	35
10/06/2022 16:00	4.6	290	13	6.6	0	30.6	33
10/06/2022 16:10	5.1	281	10	6.9	0	29.9	39



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/06/2022 16:20	5.8	264	11	7.4	0	29	46
10/06/2022 16:30	6.5	264	7	8.2	0	28.9	47
10/06/2022 16:40	7	275	6	8.1	0	28.7	45
10/06/2022 16:50	6.2	275	8	7.9	0	28.8	45
10/06/2022 17:00	6	268	10	7.9	0	28.8	46
10/06/2022 17:10	5.8	271	9	8.1	0	28.3	51
10/06/2022 17:20	6	266	8	7.8	0	27.9	55
10/06/2022 17:30	6.2	268	10	8.1	0	27.6	56
10/06/2022 17:40	6.8	271	7	8.9	0	27.1	57
10/06/2022 17:50	6.4	267	7	8.1	0	26.7	59
10/06/2022 18:00	5.9	269	8	7.6	0	26.6	60
10/06/2022 18:10	5.7	268	7	7.3	0	26.3	62
10/06/2022 18:20	5.4	270	8	7.5	0	26.1	61
10/06/2022 18:30	5.3	273	8	6.9	0	25.9	62
10/06/2022 18:40	5.2	271	8	7.3	0	25.7	64
10/06/2022 18:50	5.5	267	8	6.9	0	25.6	66
10/06/2022 19:00	5.1	273	7	6.7	0	25.5	67
10/06/2022 19:10	5	269	7	6.4	0	25.5	67
10/06/2022 19:20	6.2	266	7	8.1	0	25.5	66
10/06/2022 19:30	5	267	7	6.9	0	25.5	66
10/06/2022 19:40	4.8	273	8	6.9	0	25.3	68
10/06/2022 19:50	4.9	271	8	6.6	0	25.2	70
10/06/2022 20:00	4.6	270	8	6.9	0	25.1	70
10/06/2022 20:10	5.4	270	6	6.7	0	25.2	69
10/06/2022 20:20	4.7	270	7	6.1	0	25.1	69
10/06/2022 20:30	5.2	269	7	7	0	25.1	68
10/06/2022 20:40	5.5	267	7	7.4	0	25.2	66
10/06/2022 20:50	5	266	7	6.4	0	25.1	68
10/06/2022 21:00	4.9	267	8	6.7	0	24.9	70
10/06/2022 21:10	5.3	266	7	7	0	24.9	71
10/06/2022 21:20	5.4	264	7	7.3	0	24.9	70
10/06/2022 21:30	5.4	264	7	6.9	0	24.9	68
10/06/2022 21:40	6.2	263	6	8.6	0	24.9	68
10/06/2022 21:50	6.3	262	7	7.9	0	24.9	69
10/06/2022 22:00	6.2	263	7	8.2	0	24.9	68
10/06/2022 22:10	6.4	262	8	8.5	0	24.8	68
10/06/2022 22:20	5.8	261	7	7.7	0	24.8	68
10/06/2022 22:30	5.6	261	8	7.5	0	24.7	68
10/06/2022 22:40	5.4	264	8	6.8	0	24.7	68
10/06/2022 22:50	5.8	261	7	7.4	0	24.7	68
10/06/2022 23:00	5.8	263	7	7.7	0	24.7	67
10/06/2022 23:10	5.6	259	8	7.4	0	24.7	67
10/06/2022 23:20	5	257	7	6.4	0	24.6	68
10/06/2022 23:30	4.7	259	7	6.2	0	24.2	70
10/06/2022 23:40	5.4	260	7	7.3	0	24.3	68
10/06/2022 23:50	4.9	260	8	6.6	0	24.3	68
10/07/2022 00:00	5.5	259	7	7.2	0	24.1	66
10/07/2022 00:10	5.9	258	7	7.6	0	24.1	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/07/2022 00:20	5.9	260	7	7.9	0	24.1	65
10/07/2022 00:30	5.1	266	7	6.3	0	23.9	64
10/07/2022 00:40	4.6	266	6	5.8	0	23.7	64
10/07/2022 00:50	4.5	264	6	5.7	0	23.6	61
10/07/2022 01:00	4.3	266	7	5.4	0	23.5	58
10/07/2022 01:10	3.9	274	6	5	0	23.4	57
10/07/2022 01:20	4	276	5	4.8	0	23.2	56
10/07/2022 01:30	3.8	279	5	4.8	0	23.1	54
10/07/2022 01:40	4	281	7	5.1	0	23.1	53
10/07/2022 01:50	3.9	287	8	5.1	0	23.3	51
10/07/2022 02:00	4.1	281	7	5.2	0	23.5	49
10/07/2022 02:10	4.9	274	6	6.1	0	23.4	47
10/07/2022 02:20	4.8	272	7	5.7	0	23.4	47
10/07/2022 02:30	4.2	272	6	5	0	23.2	46
10/07/2022 02:40	3.5	269	5	4.4	0	22.9	45
10/07/2022 02:50	3.7	270	6	4.8	0	22.8	46
10/07/2022 03:00	3.7	277	6	4.6	0	23	46
10/07/2022 03:10	4	277	7	4.9	0	23.1	44
10/07/2022 03:20	5	275	6	6.1	0	23	43
10/07/2022 03:30	3.9	273	8	5.3	0	23.1	41
10/07/2022 03:40	3.2	275	9	4.7	0	22.9	41
10/07/2022 03:50	2.2	267	15	3.5	0	22.7	41
10/07/2022 04:00	2.7	277	13	3.9	0	22.8	40
10/07/2022 04:10	3	283	14	4.4	0	23.4	38
10/07/2022 04:20	2.3	282	16	3.6	0	23.3	38
10/07/2022 04:30	2.2	277	10	3.6	0	23.4	37
10/07/2022 04:40	1.6	272	13	2.4	0	22.9	38
10/07/2022 04:50	2	282	10	3.3	0	22.7	39
10/07/2022 05:00	1.6	290	10	3	0	23	38
10/07/2022 05:10	1.6	291	13	2.5	0	23.4	36
10/07/2022 05:20	1.2	279	31	2.1	0	23.3	36
10/07/2022 05:30	1.5	290	41	2.3	0	24	34
10/07/2022 05:40	0.9	263	40	2.1	0	23.8	34
10/07/2022 05:50	1.2	146	64	3	0	24	33
10/07/2022 06:00	2.4	215	19	4.3	0	23.9	33
10/07/2022 06:10	2.7	199	21	5.1	0	23.8	33
10/07/2022 06:20	2.9	179	18	5.1	0	24	33
10/07/2022 06:30	1.8	166	29	4.6	0	24.4	32
10/07/2022 06:40	1.8	152	26	3.6	0	24.6	31
10/07/2022 06:50	1	140	20	2.3	0	25.3	30
10/07/2022 07:00	2.1	134	16	3.1	0	25.5	29
10/07/2022 07:10	2.3	132	16	4	0	25.4	30
10/07/2022 07:20	2.7	126	16	4.1	0	25.5	31
10/07/2022 07:30	2.5	130	18	3.7	0	25.6	33
10/07/2022 07:40	2.9	126	12	4.1	0	25.6	33
10/07/2022 07:50	2.8	116	15	4.4	0	25.5	35
10/07/2022 08:00	2.7	120	16	3.8	0	25.5	37
10/07/2022 08:10	2.7	112	13	4.1	0	25.5	38



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/07/2022 08:20	3.1	116	9	3.9	0	25.7	38
10/07/2022 08:30	2.7	120	14	3.8	0	26.4	37
10/07/2022 08:40	3.1	108	11	4.5	0	27.1	35
10/07/2022 08:50	2.8	96	14	3.8	0	27.1	36
10/07/2022 09:00	2.9	110	16	4.6	0	27.8	32
10/07/2022 09:10	3.1	113	12	4.3	0	28.3	31
10/07/2022 09:20	3.5	104	15	5.5	0	28.5	32
10/07/2022 09:30	3.9	85	9	5.3	0	28.6	32
10/07/2022 09:40	4	89	12	5.8	0	29.1	33
10/07/2022 09:50	4.5	90	9	5.6	0	29.4	33
10/07/2022 10:00	4.9	80	11	6.4	0	29.5	35
10/07/2022 10:10	5.6	73	11	7.1	0	29.9	32
10/07/2022 10:20	5.9	75	10	7.1	0	30	34
10/07/2022 10:30	5.5	73	11	7.5	0	30.1	36
10/07/2022 10:40	5.9	76	9	7.9	0	30.4	35
10/07/2022 10:50	6.4	76	8	8.2	0	30.7	33
10/07/2022 11:00	6.6	81	10	8.5	0	31.1	32
10/07/2022 11:10	6.6	69	11	8.3	0	30.7	33
10/07/2022 11:20	6.5	57	10	8.3	0	30.6	36
10/07/2022 11:30	6.4	59	10	8.8	0	30.4	37
10/07/2022 11:40	6.9	57	9	8.6	0	30.2	37
10/07/2022 11:50	6.7	61	10	8.9	0	30.4	38
10/07/2022 12:00	6.7	66	14	9	0	30.7	38
10/07/2022 12:10	7	60	10	9.1	0	30.4	39
10/07/2022 12:20	7	58	10	9.1	0	30.5	39
10/07/2022 12:30	7.1	57	9	9.1	0	30.5	40
10/07/2022 12:40	7.4	57	9	9.5	0	30.8	38
10/07/2022 12:50	6.5	58	12	9	0	30.9	39
10/07/2022 13:00	6.4	53	11	8.6	0	31.1	40
10/07/2022 13:10	7.3	58	9	9.4	0	31	38
10/07/2022 13:20	6.9	60	9	8.9	0	31.2	37
10/07/2022 13:30	6.8	58	10	8.6	0	31.6	36
10/07/2022 13:40	6.9	57	10	8.6	0	31.2	39
10/07/2022 13:50	6.7	55	10	8.8	0	31.4	37
10/07/2022 14:00	7	59	9	8.8	0	31.3	38
10/07/2022 14:10	6.7	57	9	8.8	0	31.5	37
10/07/2022 14:20	6.9	55	9	8.7	0	31.4	37
10/07/2022 14:30	6.4	51	8	8	0	31.7	37
10/07/2022 14:40	6.8	50	9	8.9	0	31.4	37
10/07/2022 14:50	6.9	55	11	8.6	0	31.3	36
10/07/2022 15:00	6.6	57	8	7.9	0	31.7	33
10/07/2022 15:10	6.1	58	9	7.6	0	32.2	30
10/07/2022 15:20	5.9	57	10	7.4	0	32.7	28
10/07/2022 15:30	4.5	52	11	5.7	0	32.9	26
10/07/2022 15:40	4.8	326	16	6.7	0	30.8	50
10/07/2022 15:50	5.7	310	12	7.9	0	29.8	52
10/07/2022 16:00	5.3	309	13	7.5	0	29.7	52
10/07/2022 16:10	5.9	319	12	8	0	29.2	53



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/07/2022 16:20	5.6	313	12	7.7	0	28.7	55
10/07/2022 16:30	4.2	319	15	6.4	0	29	54
10/07/2022 16:40	4.9	311	15	7	0	28.7	53
10/07/2022 16:50	4.6	305	16	6.8	0	28.5	54
10/07/2022 17:00	4.1	298	16	6.4	0	28.5	54
10/07/2022 17:10	4	298	14	6.4	0	28.4	53
10/07/2022 17:20	3.7	293	14	5.9	0	28.3	54
10/07/2022 17:30	4.2	290	11	5.7	0	28.1	55
10/07/2022 17:40	4.6	286	9	6.1	0	27.9	55
10/07/2022 17:50	4.6	290	9	6.7	0	27.7	56
10/07/2022 18:00	5.7	288	9	6.9	0	27.3	56
10/07/2022 18:10	5.1	296	9	6.8	0	27.1	56
10/07/2022 18:20	4.5	285	9	6.3	0	26.9	57
10/07/2022 18:30	5.5	283	7	7	0	26.6	56
10/07/2022 18:40	4.9	285	7	6.4	0	26.6	55
10/07/2022 18:50	5	283	8	6.6	0	26.6	55
10/07/2022 19:00	4.3	286	8	5.8	0	26.6	54
10/07/2022 19:10	3.8	288	8	5	0	26.6	54
10/07/2022 19:20	4.1	287	8	5.4	0	26.6	52
10/07/2022 19:30	4	287	6	4.8	0	26.6	53
10/07/2022 19:40	3.8	291	7	5	0	26.7	51
10/07/2022 19:50	3.7	290	6	4.9	0	26.6	52
10/07/2022 20:00	3.8	285	6	4.7	0	26.4	55
10/07/2022 20:10	4.1	280	6	5.1	0	26.3	53
10/07/2022 20:20	3.7	278	7	4.7	0	26.2	50
10/07/2022 20:30	3.4	280	6	4.4	0	26.1	51
10/07/2022 20:40	3.3	280	7	4.5	0	25.9	54
10/07/2022 20:50	3	279	5	3.9	0	25.7	57
10/07/2022 21:00	3	273	4	3.7	0	25.3	61
10/07/2022 21:10	3	273	5	3.9	0	25.1	64
10/07/2022 21:20	2.8	273	5	3.3	0	24.9	68
10/07/2022 21:30	3.1	277	5	3.7	0	24.8	69
10/07/2022 21:40	3.6	278	5	4.3	0	24.9	66
10/07/2022 21:50	3.2	285	7	4	0	25.1	65
10/07/2022 22:00	2.9	276	4	3.6	0	24.8	66
10/07/2022 22:10	3.1	272	3	3.5	0	24.5	68
10/07/2022 22:20	3	275	4	3.4	0	24.3	69
10/07/2022 22:30	3.2	272	4	4	0	24.1	70
10/07/2022 22:40	3.1	285	5	3.8	0	24.3	67
10/07/2022 22:50	3.3	285	5	4.1	0	24.6	67
10/07/2022 23:00	3.3	282	6	3.9	0	24.4	70
10/07/2022 23:10	3.4	289	7	4.6	0	24.6	70
10/07/2022 23:20	3.2	287	9	4.5	0	24.8	70
10/07/2022 23:30	4.1	285	7	5.3	0	24.8	69
10/07/2022 23:40	4	282	6	5.2	0	24.6	70
10/07/2022 23:50	4.1	280	6	4.9	0	24.4	71
10/08/2022 00:00	3.7	280	6	4.6	0	24.3	68
10/08/2022 00:10	3.6	280	5	4.5	0	24.3	64



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/08/2022 00:20	3.9	276	5	4.5	0	24.5	61
10/08/2022 00:30	3.5	277	5	4.2	0	24.3	63
10/08/2022 00:40	3.4	281	5	4.1	0	24.4	63
10/08/2022 00:50	3.3	280	4	4	0	24.4	63
10/08/2022 01:00	3.2	282	5	4	0	24.3	61
10/08/2022 01:10	3.6	283	6	4.3	0	24.3	58
10/08/2022 01:20	3.3	286	5	3.9	0	24.5	60
10/08/2022 01:30	3	284	4	3.4	0	24.2	65
10/08/2022 01:40	2.2	269	4	3	0	23.6	68
10/08/2022 01:50	1.4	283	3	2.2	0	23.6	70
10/08/2022 02:00	2.1	283	2	2.7	0	23.9	70
10/08/2022 02:10	2.5	273	2	2.9	0	23.8	69
10/08/2022 02:20	2.1	278	4	2.8	0	23.6	70
10/08/2022 02:30	1.3	265	4	1.1	0	23.4	71
10/08/2022 02:40			2	0	0	23.5	74
10/08/2022 02:50			4	0.1	0	22.9	73
10/08/2022 03:00	1.4	300	1	1.4	0	23.4	73
10/08/2022 03:10	1.4	302	3	2.3	0	23.6	73
10/08/2022 03:20	1	224	7	1.7	0	23	73
10/08/2022 03:30	1.6	123	1	2.8	0	23	74
10/08/2022 03:40	0.5	131	11	1.7	0	22.6	75
10/08/2022 03:50	2.4	113	13	3.5	0	22.9	76
10/08/2022 04:00	2.4	113	12	4.2	0	23.1	77
10/08/2022 04:10	2.1	113	10	3.3	0	23.1	79
10/08/2022 04:20	1.2	120	8	2.9	0	22.7	80
10/08/2022 04:30	2.6	117	7	3.2	0	22.8	81
10/08/2022 04:40	1.6	106	18	2.8	0	22.6	82
10/08/2022 04:50	2	118	9	2.9	0	22.7	82
10/08/2022 05:00	1.3	108	8	2.4	0	22.7	83
10/08/2022 05:10	2.6	117	9	3.7	0	22.7	84
10/08/2022 05:20	3.1	113	8	4	0	22.8	85
10/08/2022 05:30	3.1	115	8	4	0	22.8	85
10/08/2022 05:40	2.6	111	10	3.5	0	22.8	85
10/08/2022 05:50	2.1	115	11	3.2	0	22.6	86
10/08/2022 06:00	2.1	90	11	3.3	0	22.1	86
10/08/2022 06:10	1.9	102	13	3.1	0	22.1	87
10/08/2022 06:20	1.9	119	10	3	0	22.6	87
10/08/2022 06:30	2.3	132	11	3.4	0	22.8	85
10/08/2022 06:40	1.4	119	10	2.7	0	23.1	79
10/08/2022 06:50	2	82	11	2.9	0	23.6	73
10/08/2022 07:00	2.6	97	11	4.4	0	24	69
10/08/2022 07:10	3.4	98	13	4.9	0	24.8	62
10/08/2022 07:20	4.1	98	15	5.6	0	25.4	57
10/08/2022 07:30	5.4	108	12	8.2	0	26	53
10/08/2022 07:40	5.7	98	14	8.5	0	26.7	53
10/08/2022 07:50	6.7	93	11	9	0	27.1	50
10/08/2022 08:00	6	97	12	8.3	0	27.5	52
10/08/2022 08:10	7.1	91	10	9.2	0	27.8	49



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/08/2022 08:20	7.2	93	10	9.5	0	28.2	48
10/08/2022 08:30	8.6	90	9	11.3	0	28	48
10/08/2022 08:40	7.8	94	11	10.4	0	28.2	47
10/08/2022 08:50	9	91	9	11.6	0	28.2	46
10/08/2022 09:00	9.3	90	9	11.4	0	28.2	43
10/08/2022 09:10	8.5	89	9	11	0	28.5	43
10/08/2022 09:20	8.9	89	9	11.5	0	28.6	42
10/08/2022 09:30	8.5	90	11	11.8	0	28.9	42
10/08/2022 09:40	8.7	85	9	12.7	0	28.9	41
10/08/2022 09:50	8.9	81	8	11.8	0	28.9	41
10/08/2022 10:00	8.9	84	8	11.9	0	29.1	39
10/08/2022 10:10	9.3	81	10	11.8	0	28.8	39
10/08/2022 10:20	8.4	82	10	11.1	0	29.1	38
10/08/2022 10:30	9.2	85	7	12.1	0	29.1	37
10/08/2022 10:40	8.6	85	8	11.1	0	29	40
10/08/2022 10:50	8.9	86	9	11.7	0	29.1	41
10/08/2022 11:00	7.4	82	9	11	0	29.8	39
10/08/2022 11:10	8.7	74	11	11.9	0	29.7	37
10/08/2022 11:20	10	73	8	12.8	0	29.1	39
10/08/2022 11:30	10	77	8	12.7	0	28.9	42
10/08/2022 11:40	8.6	80	11	12.4	0	29.8	41
10/08/2022 11:50	9.9	65	10	13.2	0	30.2	35
10/08/2022 12:00	11.3	62	8	14.4	0	29.7	33
10/08/2022 12:10	10.8	63	8	12.9	0	29.2	35
10/08/2022 12:20	10.1	62	8	12.7	0	29.2	35
10/08/2022 12:30	10.2	63	8	12.7	0	29.1	35
10/08/2022 12:40	8.8	55	8	11.2	0	29.2	36
10/08/2022 12:50	8.6	58	8	11.7	0	29.1	37
10/08/2022 13:00	7.9	57	11	10.2	0	29.1	39
10/08/2022 13:10	7.4	57	10	10.2	0	29.5	38
10/08/2022 13:20	8	60	10	10.3	0	29.2	38
10/08/2022 13:30	7.4	53	12	9.4	0	29.5	38
10/08/2022 13:40	7.6	49	10	10.3	0	29.7	38
10/08/2022 13:50	7.8	50	9	9.5	0	29.1	39
10/08/2022 14:00	8.1	49	8	10.2	0	29.4	37
10/08/2022 14:10	7.6	59	9	9.4	0	29.3	38
10/08/2022 14:20	7.2	55	11	8.9	0	29.7	36
10/08/2022 14:30	7.4	56	8	9	0	29.7	36
10/08/2022 14:40	6.6	54	9	8.7	0	30.1	36
10/08/2022 14:50	7	53	7	8.9	0	29.9	35
10/08/2022 15:00	6.8	55	9	8.2	0	30.3	32
10/08/2022 15:10	6.8	53	10	8.9	0	30.4	30
10/08/2022 15:20	5.9	61	10	7.6	0	30.5	32
10/08/2022 15:30	6.4	55	9	8.4	0	30.6	32
10/08/2022 15:40	7.5	50	8	9.7	0	30.6	30
10/08/2022 15:50	7.1	58	9	9.2	0	30.9	28
10/08/2022 16:00	7.2	56	10	9.1	0	31.1	27
10/08/2022 16:10	6.8	54	11	9.2	0	30.9	26





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/08/2022 16:20	6.9	57	10	9.2	0	30.9	26
10/08/2022 16:30	7.8	56	9	10.2	0	30.9	26
10/08/2022 16:40	8	54	9	10.7	0	31	25
10/08/2022 16:50	7.9	46	8	10.3	0	31.1	26
10/08/2022 17:00	7.1	38	12	9.5	0	31	26
10/08/2022 17:10	6.6	40	11	8.8	0	30.8	26
10/08/2022 17:20	6.1	32	12	9	0	30.7	26
10/08/2022 17:30	5.1	27	13	7	0	30.4	29
10/08/2022 17:40	5.7	12	7	7.3	0	29.3	36
10/08/2022 17:50	5.1	8	8	7.3	0	28.8	40
10/08/2022 18:00	5.5	15	10	7.4	0	28.2	41
10/08/2022 18:10	4.3	10	10	5.9	0	27.8	46
10/08/2022 18:20	5	10	8	6.5	0	27.4	48
10/08/2022 18:30	4.2	16	12	6.2	0	27.2	48
10/08/2022 18:40	3.6	12	15	5.6	0	27.1	49
10/08/2022 18:50	2.5	5	15	4	0	26.8	53
10/08/2022 19:00	2.6	9	16	4	0	26.6	54
10/08/2022 19:10	1.8	16	15	3.3	0	26.4	56
10/08/2022 19:20	1	15	17	2.6	0	26.1	57
10/08/2022 19:30	1.9	10	18	3.5	0	26.1	56
10/08/2022 19:40	2.7	6	16	4.7	0	26.1	54
10/08/2022 19:50	4.2	349	11	6.1	0	26.5	49
10/08/2022 20:00	3.1	336	12	4.7	0	26	58
10/08/2022 20:10	3.9	339	10	5.5	0	25.8	58
10/08/2022 20:20	3.7	345	13	5	0	25.8	58
10/08/2022 20:30	3.3	349	10	4.7	0	25.9	57
10/08/2022 20:40	0.8	88	23	2.8	0	25.5	60
10/08/2022 20:50					0	25.2	58
10/08/2022 21:00					0	25	60
10/08/2022 21:10	0.1	304	4	2.6	0	25.2	59
10/08/2022 21:20	1.8	317	5	3	0	25.2	61
10/08/2022 21:30	0.7	13	1	2.5	0	25.1	62
10/08/2022 21:40	1.2	24	3	1.9	0	25.1	64
10/08/2022 21:50					0	25	64
10/08/2022 22:00					0	24.6	65
10/08/2022 22:10					0	24.3	65
10/08/2022 22:20					0	24.1	67
10/08/2022 22:30					0	24.1	67
10/08/2022 22:40					0	23.9	67
10/08/2022 22:50					0	24	68
10/08/2022 23:00					0	24.2	67
10/08/2022 23:10					0	24.1	68
10/08/2022 23:20					0	23.7	69
10/08/2022 23:30					0	23.4	70
10/08/2022 23:40					0	23.1	69
10/08/2022 23:50					0	23.4	71
10/09/2022 00:00					0	23.8	70
10/09/2022 00:10					0	23.9	68



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/09/2022 00:20					0	23.5	69
10/09/2022 00:30					0	23.3	70
10/09/2022 00:40					0	23.2	70
10/09/2022 00:50					0	22.9	71
10/09/2022 01:00					0	22.7	72
10/09/2022 01:10					0	22.9	72
10/09/2022 01:20					0	22.7	72
10/09/2022 01:30					0	22.5	72
10/09/2022 01:40					0	22.5	71
10/09/2022 01:50	1.1	297	5	2.6	0	22.5	72
10/09/2022 02:00	0.2	310	7	1.8	0	22.6	72
10/09/2022 02:10					0	22.5	72
10/09/2022 02:20					0	22.1	73
10/09/2022 02:30					0	22.1	73
10/09/2022 02:40					0	22	73
10/09/2022 02:50					0	22.1	73
10/09/2022 03:00					0	21.8	73
10/09/2022 03:10	2.4	265	10	3.3	0	21.4	74
10/09/2022 03:20	2.6	262	11	3.3	0	21.2	75
10/09/2022 03:30	3	265	6	3.4	0	21.5	74
10/09/2022 03:40	3	261	9	3.5	0	21.5	74
10/09/2022 03:50	2.8	254	12	3.7	0	21.5	73
10/09/2022 04:00	2.3	268	8	3.1	0	21.4	74
10/09/2022 04:10					0	21.5	74
10/09/2022 04:20	0.1	253	13	2.5	0	21.6	74
10/09/2022 04:30	0.6	264	20	1.9	0	21.6	74
10/09/2022 04:40					0	21.7	74
10/09/2022 04:50					0	21.7	74
10/09/2022 05:00	1.3	269	12	2.8	0	21.7	73
10/09/2022 05:10	1.1	270	10	2.9	0	21.6	74
10/09/2022 05:20					0	21.6	74
10/09/2022 05:30					0	21.4	74
10/09/2022 05:40					0	21.8	74
10/09/2022 05:50	0.4	38	28	1.9	0	21.5	74
10/09/2022 06:00	0.5	65	0	1.6	0	21.1	74
10/09/2022 06:10					0	21.2	74
10/09/2022 06:20					0	21.7	73
10/09/2022 06:30					0	22.2	72
10/09/2022 06:40					0	22.1	71
10/09/2022 06:50					0	23.3	70
10/09/2022 07:00					0	24	66
10/09/2022 07:10	2.4	263	6	3.2	0	24.5	63
10/09/2022 07:20	2.2	264	11	3.4	0	24.7	63
10/09/2022 07:30	2.4	284	12	3	0	25	62
10/09/2022 07:40	1.8	251	20	3	0	25.5	60
10/09/2022 07:50					0	26	56
10/09/2022 08:00	0.2	114	13	1.9	0	27.2	53
10/09/2022 08:10	2	125	14	2.7	0	27.7	48



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/09/2022 08:20	2.2	118	14	3.2	0	27.5	54
10/09/2022 08:30	1.6	79	12	2.4	0	27.3	51
10/09/2022 08:40	1.5	107	12	2.7	0	27.7	51
10/09/2022 08:50	2.5	126	17	3.4	0	28	51
10/09/2022 09:00	2.5	135	11	3.2	0	27.3	54
10/09/2022 09:10	2.7	144	11	3.8	0	27.1	53
10/09/2022 09:20	2.6	137	13	3.6	0	27.7	51
10/09/2022 09:30	2.6	120	20	3.4	0	28.6	48
10/09/2022 09:40	2.9	124	22	3.8	0	28.7	47
10/09/2022 09:50	2.9	118	19	3.7	0	28.9	46
10/09/2022 10:00	2.6	75	15	3.9	0	28.6	46
10/09/2022 10:10	2.8	77	18	4.4	0	29	41
10/09/2022 10:20	3	101	16	4.4	0	29.6	43
10/09/2022 10:30	3.1	89	20	4.9	0	29.6	39
10/09/2022 10:40	3.2	66	21	4.6	0	29.8	37
10/09/2022 10:50	2.3	66	20	3.7	0	29.6	37
10/09/2022 11:00	2.9	82	21	5.2	0	30	36
10/09/2022 11:10	2.9	75	18	4.3	0	29.8	37
10/09/2022 11:20	3.1	71	16	4.5	0	30.2	37
10/09/2022 11:30	3.2	57	14	4.6	0	29.9	38
10/09/2022 11:40	3.2	52	12	4.5	0	29.9	37
10/09/2022 11:50	4.2	82	12	5.6	0	29.9	38
10/09/2022 12:00	4.3	76	13	6.4	0	29.9	37
10/09/2022 12:10	3.9	62	15	5.5	0	30.4	33
10/09/2022 12:20	3.8	60	13	4.9	0	30.5	32
10/09/2022 12:30	3.7	67	17	4.9	0	30.5	30
10/09/2022 12:40	3.6	70	16	4.9	0	30.8	30
10/09/2022 12:50	2.9	77	15	4	0	31.2	30
10/09/2022 13:00	2.3	85	26	3.7	0	31.4	30
10/09/2022 13:10	1.9	44	22	3.2	0	31.7	28
10/09/2022 13:20	2.6	46	22	4.3	0	31.4	30
10/09/2022 13:30	2.6	61	18	4.5	0	31.3	28
10/09/2022 13:40	2.7	29	24	4.1	0	31.7	23
10/09/2022 13:50	3.1	57	14	4.5	0	31.8	22
10/09/2022 14:00	3.7	56	13	4.9	0	31.9	22
10/09/2022 14:10	3.7	63	12	5.8	0	31.7	21
10/09/2022 14:20	3.9	61	15	5.3	0	31.8	27
10/09/2022 14:30	3.1	179	20	4.3	0	31.7	43
10/09/2022 14:40	3	338	19	4.6	0	31.1	46
10/09/2022 14:50	3.7	349	17	5.1	0	30.6	51
10/09/2022 15:00	3.4	327	15	5.1	0	29.8	55
10/09/2022 15:10	3.4	335	12	4.8	0	30.1	53
10/09/2022 15:20	2.9	323	15	4.5	0	30.3	52
10/09/2022 15:30	3.2	342	17	4.7	0	30.3	51
10/09/2022 15:40	3	353	17	4.6	0	30.1	52
10/09/2022 15:50	3.2	347	21	5	0	30	52
10/09/2022 16:00	3.8	341	14	5.5	0	29.3	54
10/09/2022 16:10	4	348	10	5.5	0	28.9	55



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/09/2022 16:20	4.5	349	10	5.7	0	28.6	55
10/09/2022 16:30	4	355	13	5.3	0	29.2	54
10/09/2022 16:40	4.5	177	12	6	0	28.8	54
10/09/2022 16:50	4.5	351	11	5.8	0	28.4	56
10/09/2022 17:00	4	347	11	5.9	0	28.3	58
10/09/2022 17:10	5	336	9	6.4	0	27.6	62
10/09/2022 17:20	4.9	340	9	6.7	0	27.2	64
10/09/2022 17:30	5.9	340	9	7.8	0	26.8	65
10/09/2022 17:40	5.1	339	9	6.8	0	26.7	65
10/09/2022 17:50	5.1	338	9	7	0	26.4	67
10/09/2022 18:00	4.6	332	10	6.3	0	26.3	65
10/09/2022 18:10	3.5	333	12	5.2	0	26.2	67
10/09/2022 18:20	3.4	312	18	5.3	0	25.9	68
10/09/2022 18:30	3.1	307	16	4.5	0	25.7	71
10/09/2022 18:40	2.6	293	15	4	0	25.5	71
10/09/2022 18:50	2.9	295	11	4.5	0	25.6	72
10/09/2022 19:00	3.3	294	11	4.5	0	25.4	72
10/09/2022 19:10	3.6	294	10	5.1	0	25.5	71
10/09/2022 19:20	3.6	290	10	4.4	0	25.5	69
10/09/2022 19:30	3.2	290	9	4.2	0	25.4	71
10/09/2022 19:40	3.1	287	10	4.4	0	25.3	74
10/09/2022 19:50	3.5	283	8	4.7	0	25.2	75
10/09/2022 20:00	4.5	276	5	5.3	0	25	77
10/09/2022 20:10	4.1	286	8	5	0	24.8	79
10/09/2022 20:20	3.4	283	7	4.1	0	24.6	80
10/09/2022 20:30	3.6	283	6	4.3	0	24.5	81
10/09/2022 20:40	4	282	6	4.8	0	24.4	81
10/09/2022 20:50	3.7	283	8	4.6	0	24.4	81
10/09/2022 21:00	3.5	288	8	4.5	0	24.3	82
10/09/2022 21:10	3.5	283	7	4.5	0	24.3	82
10/09/2022 21:20	3.5	282	7	4.4	0	24.2	82
10/09/2022 21:30	3.6	285	7	4.6	0	24.1	81
10/09/2022 21:40	3.3	280	6	4.3	0	24.2	81
10/09/2022 21:50	2.9	279	7	3.8	0	24	82
10/09/2022 22:00	2.5	283	6	3.3	0	23.8	83
10/09/2022 22:10	3.4	286	6	4.3	0	23.9	85
10/09/2022 22:20	3.9	278	8	5.1	0	23.9	86
10/09/2022 22:30	4.4	270	7	5.4	0	23.7	87
10/09/2022 22:40	4.3	274	6	5.6	0	23.6	87
10/09/2022 22:50	4.4	274	7	5.9	0	23.5	87
10/09/2022 23:00	4.5	274	7	5.7	0	23.6	87
10/09/2022 23:10	5.2	274	6	6.4	0	23.6	87
10/09/2022 23:20	4.9	275	6	6.1	0	23.6	87
10/09/2022 23:30	4.7	279	7	6	0	23.6	87
10/09/2022 23:40	4.7	282	8	5.9	0	23.7	87
10/09/2022 23:50	4.6	281	7	6	0	23.8	87
10/10/2022 00:00	4.4	279	7	5.8	0	23.7	88
10/10/2022 00:10	4.6	276	6	5.8	0	23.6	88



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/10/2022 00:20	4.8	273	7	6.7	0	23.7	88
10/10/2022 00:30	5.4	270	8	6.9	0	23.7	88
10/10/2022 00:40	5.5	268	8	7.1	0	23.8	88
10/10/2022 00:50	6.3	267	7	7.9	0	23.8	88
10/10/2022 01:00	6	260	7	7.5	0	23.8	89
10/10/2022 01:10	6.4	263	8	7.8	0	23.6	89
10/10/2022 01:20	5.3	258	10	7.1	0	23.7	88
10/10/2022 01:30	4.3	242	11	5.4	0	23.6	89
10/10/2022 01:40	4.9	250	9	6.2	0	23.3	89
10/10/2022 01:50	4.9	250	9	7.2	0	23.1	90
10/10/2022 02:00	4.9	253	7	6.7	0	23	90
10/10/2022 02:10	5.4	254	8	7.4	0	22.8	91
10/10/2022 02:20	5.1	249	10	6.8	0	22.7	91
10/10/2022 02:30	5.2	253	10	6.9	0	22.6	90
10/10/2022 02:40	5.2	255	6	7	0	22.3	90
10/10/2022 02:50	4.7	253	7	6	0	22.2	90
10/10/2022 03:00	4.3	254	6	5.3	0	22.2	89
10/10/2022 03:10	3.9	251	6	5	0	22.1	89
10/10/2022 03:20	4	252	6	4.9	0	22	89
10/10/2022 03:30	3.5	253	5	4	0	21.8	88
10/10/2022 03:40	3.7	249	4	4.1	0	21.8	89
10/10/2022 03:50	4	249	4	4.6	0	21.9	88
10/10/2022 04:00	4.2	251	5	4.7	0	21.8	88
10/10/2022 04:10	3.9	258	4	4.3	0	21.5	88
10/10/2022 04:20	4	254	5	4.7	0	21.6	87
10/10/2022 04:30	4.2	252	6	4.9	0	21.9	86
10/10/2022 04:40	4.1	254	7	5.4	0	21.8	86
10/10/2022 04:50	3.4	254	7	4.2	0	21.7	86
10/10/2022 05:00	2.8	258	5	3.4	0	21.6	87
10/10/2022 05:10	2.6	266	4	3	0	21.7	87
10/10/2022 05:20	2.6	260	4	3.2	0	21.6	87
10/10/2022 05:30	2.9	254	8	3.5	0	21.2	88
10/10/2022 05:40	3	261	5	3.7	0	21	88
10/10/2022 05:50	3.1	259	6	3.9	0	21	89
10/10/2022 06:00	3.5	258	5	4.3	0	21.2	89
10/10/2022 06:10	3.2	258	6	4.1	0	21.1	89
10/10/2022 06:20	3.8	261	7	4.8	0	21.3	88
10/10/2022 06:30	4.3	257	7	5.5	0	21.3	82
10/10/2022 06:40	3.9	257	8	5.5	0	21.7	74
10/10/2022 06:50	5.1	257	7	6.6	0	22	68
10/10/2022 07:00	5.8	254	7	8	0	22.4	61
10/10/2022 07:10	5.8	257	7	7.3	0	22.5	59
10/10/2022 07:20	5.1	257	9	6.1	0	22.7	58
10/10/2022 07:30	4.6	255	7	5.6	0	22.9	58
10/10/2022 07:40	3.9	270	8	4.8	0	23.3	57
10/10/2022 07:50	3.7	270	9	4.7	0	23.8	55
10/10/2022 08:00	3.5	271	10	4.4	0	24.1	55
10/10/2022 08:10	3.2	283	15	4.2	0	24.5	55



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/10/2022 08:20	3.4	279	11	4.6	0	25	53
10/10/2022 08:30	3.9	270	11	4.8	0	25.4	52
10/10/2022 08:40	3.3	277	14	5.1	0	25.6	53
10/10/2022 08:50	2.4	260	18	3.9	0	26.3	47
10/10/2022 09:00	2.3	266	15	3.5	0	27	44
10/10/2022 09:10	3.9	253	17	5.3	0	27.6	39
10/10/2022 09:20	4.2	247	14	5.8	0	28.2	37
10/10/2022 09:30	4.5	236	17	6.2	0	27.9	37
10/10/2022 09:40	4.7	235	12	6.4	0	28.3	35
10/10/2022 09:50	4.4	247	18	6.4	0	28.7	35
10/10/2022 10:00	3.9	243	14	5.5	0	29.3	34
10/10/2022 10:10	4	267	17	5.3	0	29.6	35
10/10/2022 10:20	3.6	267	15	4.8	0	29.5	37
10/10/2022 10:30	3.5	285	17	4.9	0	29.8	37
10/10/2022 10:40	3.3	300	12	4.6	0	29.7	36
10/10/2022 10:50	3.3	283	12	5	0	30	33
10/10/2022 11:00	3.2	294	13	4.5	0	30.2	29
10/10/2022 11:10	3.7	306	12	5.2	0	30.9	32
10/10/2022 11:20	3.9	294	20	5.4	0	30.6	32
10/10/2022 11:30	4.8	289	11	6.1	0	30.4	34
10/10/2022 11:40	5.1	289	9	6.5	0	30.4	34
10/10/2022 11:50	4.9	284	9	6.1	0	30.8	32
10/10/2022 12:00	5.3	283	8	6.3	0	30.9	32
10/10/2022 12:10	5	289	9	6.9	0	31.5	29
10/10/2022 12:20	5.1	299	11	7	0	31.8	30
10/10/2022 12:30	5.3	293	10	7.1	0	32	28
10/10/2022 12:40	5.6	288	11	7.4	0	32.2	25
10/10/2022 12:50	5.7	290	9	7.4	0	32.4	25
10/10/2022 13:00	5.5	296	9	7.5	0	31.9	34
10/10/2022 13:10	5.7	294	10	7.1	0	31.2	40
10/10/2022 13:20	6	284	14	8.2	0	31.4	41
10/10/2022 13:30	5.7	291	12	7.8	0	31.8	37
10/10/2022 13:40	5.9	295	12	8.6	0	31.6	36
10/10/2022 13:50	6.1	290	13	8.9	0	32.2	32
10/10/2022 14:00	7	299	10	9	0	31.6	31
10/10/2022 14:10	7.2	295	9	9.3	0	31.1	36
10/10/2022 14:20	6.5	291	11	8.8	0	31.4	39
10/10/2022 14:30	6.7	291	13	9.1	0	31.6	40
10/10/2022 14:40	6.1	288	13	8.8	0	31.5	41
10/10/2022 14:50	7.9	270	11	10.9	0	31.5	34
10/10/2022 15:00	8.2	267	9	10.2	0	31	34
10/10/2022 15:10	8	269	8	9.7	0	31.1	35
10/10/2022 15:20	7.3	276	11	9.5	0	31.3	36
10/10/2022 15:30	7	298	9	9.5	0	30.2	49
10/10/2022 15:40	7	297	9	8.6	0	29.4	54
10/10/2022 15:50	6.7	286	12	8.6	0	29.4	56
10/10/2022 16:00	6.8	290	9	8.7	0	28.9	58
10/10/2022 16:10	7.4	298	9	9.6	0	28.3	58



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/10/2022 16:20	7.3	299	9	9.1	0	28.4	57
10/10/2022 16:30	7.1	298	8	9.4	0	28.2	58
10/10/2022 16:40	6.6	296	9	8.7	0	28.4	56
10/10/2022 16:50	7.2	300	8	9.5	0	28.4	55
10/10/2022 17:00	6.5	291	10	9.4	0	28.7	50
10/10/2022 17:10	8.1	279	8	10.4	0	29.6	36
10/10/2022 17:20	7.9	270	9	10.2	0	29.2	38
10/10/2022 17:30	8.1	273	8	10.5	0	28.5	43
10/10/2022 17:40	7.9	271	9	10.6	0	27.8	48
10/10/2022 17:50	7.7	270	9	10.6	0	27.4	52
10/10/2022 18:00	7.9	272	8	10.7	0	26.9	54
10/10/2022 18:10	7.6	271	9	10	0	26.7	55
10/10/2022 18:20	6.8	274	8	9.6	0	26.4	57
10/10/2022 18:30	6.9	270	9	9.2	0	26.4	57
10/10/2022 18:40	7.9	269	8	10.7	0	26.4	54
10/10/2022 18:50	7.4	269	8	9.9	0	26.2	57
10/10/2022 19:00	7.2	269	9	10.1	0	26.1	58
10/10/2022 19:10	7.2	265	8	9.6	0	26	56
10/10/2022 19:20	7	263	9	9.5	0	26	56
10/10/2022 19:30	6.8	265	9	8.9	0	26	56
10/10/2022 19:40	7	263	9	9.2	0	26	55
10/10/2022 19:50	6	264	8	8.1	0	25.9	58
10/10/2022 20:00	6.9	266	7	9.6	0	25.9	57
10/10/2022 20:10	7.3	264	8	9.6	0	26	56
10/10/2022 20:20	5.9	264	9	8.1	0	25.9	59
10/10/2022 20:30	6.4	262	8	9	0	25.8	59
10/10/2022 20:40	6.2	262	9	8.6	0	25.8	59
10/10/2022 20:50	6.4	263	8	8.2	0	25.8	60
10/10/2022 21:00	5.9	263	7	7.9	0	25.6	61
10/10/2022 21:10	6.2	264	8	8.3	0	25.6	61
10/10/2022 21:20	7	267	7	9	0	25.5	61
10/10/2022 21:30	6.6	261	8	8.6	0	25.5	62
10/10/2022 21:40	7	256	8	9.1	0	25.4	63
10/10/2022 21:50	6.8	258	7	8.5	0	25.3	63
10/10/2022 22:00	6.4	259	8	8.5	0	25.2	64
10/10/2022 22:10	6.4	260	8	8.8	0	25.2	64
10/10/2022 22:20	6.3	261	7	8.2	0	25.2	65
10/10/2022 22:30	6.5	258	7	8.4	0	25.1	65
10/10/2022 22:40	6.4	261	7	8.3	0	25.1	65
10/10/2022 22:50	6.3	260	7	8.4	0	25	66
10/10/2022 23:00	6.4	262	7	8.1	0	24.9	66
10/10/2022 23:10	6.3	263	8	8.3	0	24.9	67
10/10/2022 23:20	6.5	262	6	8.3	0	24.8	68
10/10/2022 23:30	6.4	260	8	8.6	0	24.8	68
10/10/2022 23:40	6.7	262	8	8.5	0	24.8	69
10/10/2022 23:50	6.7	258	7	8.5	0	24.7	70
10/11/2022 00:00	6.5	260	7	8.3	0	24.7	70
10/11/2022 00:10	7	258	8	8.6	0	24.7	69



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/11/2022 00:20	6.5	259	8	8.5	0	24.7	69
10/11/2022 00:30	6.3	262	8	8.1	0	24.7	71
10/11/2022 00:40	6.6	259	7	8.4	0	24.6	72
10/11/2022 00:50	6.6	260	7	8.4	0	24.6	72
10/11/2022 01:00	6.5	263	7	8.2	0	24.6	73
10/11/2022 01:10	5.5	267	8	7.4	0	24.5	74
10/11/2022 01:20	5.1	266	6	6.4	0	24.5	75
10/11/2022 01:30	5.1	266	8	7	0	24.4	76
10/11/2022 01:40	5.7	271	8	7.3	0	24.4	77
10/11/2022 01:50	5.4	272	7	7.3	0	24.4	77
10/11/2022 02:00	6.2	268	6	7.7	0	24.5	77
10/11/2022 02:10	6.2	266	6	8.6	0	24.5	78
10/11/2022 02:20	6.2	269	6	8.2	0	24.4	78
10/11/2022 02:30	6.3	268	6	8.1	0	24.4	77
10/11/2022 02:40	5.4	264	8	7.3	0	24.4	77
10/11/2022 02:50	5.4	264	8	7	0	24.3	77
10/11/2022 03:00	5.3	265	8	6.9	0	24.3	77
10/11/2022 03:10	4.9	260	7	6.6	0	24.2	77
10/11/2022 03:20	4.8	261	8	6.7	0	24.1	77
10/11/2022 03:30	4.8	260	7	6.3	0	24	77
10/11/2022 03:40	4.4	258	7	5.6	0	23.8	76
10/11/2022 03:50	4.2	257	5	4.9	0	23.4	76
10/11/2022 04:00	3.5	259	6	4.3	0	22.9	75
10/11/2022 04:10	4.1	261	7	5	0	22.7	72
10/11/2022 04:20	4.6	263	7	6	0	22.6	71
10/11/2022 04:30	4.4	267	6	5.4	0	22.7	69
10/11/2022 04:40	3.7	265	6	4.6	0	22.5	70
10/11/2022 04:50	3.1	262	6	3.7	0	22.3	71
10/11/2022 05:00	2.5	268	9	3.5	0	22.1	72
10/11/2022 05:10	1.8	265	9	2.6	0	21.9	73
10/11/2022 05:20	1.6	265	12	2.3	0	21.7	73
10/11/2022 05:30	2.2	268	6	3	0	21.6	74
10/11/2022 05:40	2.1	270	9	3.2	0	21.6	72
10/11/2022 05:50	1.8	262	10	2.5	0	21.8	69
10/11/2022 06:00	1.5	254	11	2.1	0	22.1	67
10/11/2022 06:10	1.5	260	13	2.4	0	22.3	66
10/11/2022 06:20	1.7	263	16	2.7	0	22.6	63
10/11/2022 06:30	1.6	252	15	2.8	0	22.7	62
10/11/2022 06:40	1.7	266	16	2.9	0	22.9	59
10/11/2022 06:50	1.8	270	14	3	0	24	54
10/11/2022 07:00	2.9	285	8	3.7	0	25.6	43
10/11/2022 07:10	3	279	9	3.7	0	25.7	41
10/11/2022 07:20	2.5	250	17	3.5	0	25.6	46
10/11/2022 07:30	3	257	12	3.8	0	25.9	44
10/11/2022 07:40	2.2	268	15	3	0	26.2	42
10/11/2022 07:50	1.7	252	15	2.6	0	26.6	40
10/11/2022 08:00	1.1	218	17	2.7	0	27.1	34
10/11/2022 08:10	1	205	13	2.3	0	27.6	30





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/11/2022 08:20	1.7	190	20	3.3	0	28.3	27
10/11/2022 08:30	1.5	162	22	3.1	0	28.7	26
10/11/2022 08:40	1.9	184	17	3.1	0	28.4	28
10/11/2022 08:50	1.9	199	27	3	0	28.8	28
10/11/2022 09:00	2	179	15	3.2	0	29	27
10/11/2022 09:10	1.6	200	26	3.2	0	29.5	27
10/11/2022 09:20	2	217	25	3.1	0	29.8	29
10/11/2022 09:30	1.7	257	21	3.6	0	29.8	33
10/11/2022 09:40	2.7	288	13	3.5	0	30.3	33
10/11/2022 09:50	2.3	210	29	3.7	0	30.3	31
10/11/2022 10:00	1.8	196	20	2.9	0	30.8	28
10/11/2022 10:10	1.8	185	15	3	0	31.2	27
10/11/2022 10:20	1.5	238	17	3.2	0	31.9	27
10/11/2022 10:30	2.5	266	18	3.7	0	32	27
10/11/2022 10:40	3.1	273	15	4.7	0	32.4	26
10/11/2022 10:50	4.1	285	12	5.1	0	31.5	30
10/11/2022 11:00	3.9	290	15	5.4	0	31	30
10/11/2022 11:10	3.5	289	15	4.8	0	31	32
10/11/2022 11:20	3.5	299	15	4.7	0	32	28
10/11/2022 11:30	4	299	12	5.3	0	32.5	26
10/11/2022 11:40	4.2	292	12	5.7	0	32.4	24
10/11/2022 11:50	4.7	289	10	5.9	0	32.2	22
10/11/2022 12:00	5	292	10	6.7	0	31.7	26
10/11/2022 12:10	5	289	12	6.9	0	31.6	30
10/11/2022 12:20	5.5	291	10	7	0	31.5	31
10/11/2022 12:30	5.4	278	12	7.3	0	31.9	31
10/11/2022 12:40	5.4	289	11	7.3	0	31.4	34
10/11/2022 12:50	5.7	281	12	7.6	0	31.5	33
10/11/2022 13:00	5.6	284	11	7.1	0	31.3	35
10/11/2022 13:10	6.3	278	14	8.6	0	31.4	34
10/11/2022 13:20	6	282	12	7.8	0	31.3	33
10/11/2022 13:30	7.1	274	11	9.1	0	32.2	28
10/11/2022 13:40	7.1	277	9	9	0	31.7	30
10/11/2022 13:50	7	282	11	9.3	0	32.3	28
10/11/2022 14:00	7.2	278	10	9.8	0	31.8	32
10/11/2022 14:10	7.4	280	10	9.7	0	31.5	34
10/11/2022 14:20	7.5	285	10	11.2	0	31.7	31
10/11/2022 14:30	7.5	286	10	10.4	0	31.7	29
10/11/2022 14:40	8.1	282	10	10.4	0	31.4	31
10/11/2022 14:50	7.9	271	7	9.9	0	30.6	41
10/11/2022 15:00	8.1	273	10	11.5	0	30.2	43
10/11/2022 15:10	8.7	271	9	10.8	0	29.9	41
10/11/2022 15:20	8	273	10	11.4	0	29.8	44
10/11/2022 15:30	8.3	274	9	11.2	0	29.7	46
10/11/2022 15:40	8.5	274	10	11.6	0	29.3	47
10/11/2022 15:50	9.1	274	10	11.8	0	29.1	47
10/11/2022 16:00	9.4	274	9	12.1	0	28.4	50
10/11/2022 16:10	9	275	8	11	0	28.4	53



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/11/2022 16:20	8.2	271	9	11.5	0	28.4	53
10/11/2022 16:30	9.1	268	9	12	0	28.3	53
10/11/2022 16:40	8.2	272	10	11.7	0	28.2	53
10/11/2022 16:50	7.5	276	9	10.7	0	28.4	52
10/11/2022 17:00	7.7	269	9	11.6	0	28.3	52
10/11/2022 17:10	9.3	267	8	12.4	0	27.8	53
10/11/2022 17:20	8.9	268	8	12.2	0	27.7	54
10/11/2022 17:30	8.5	265	10	11.7	0	27.4	57
10/11/2022 17:40	8.2	267	10	11.1	0	27.1	59
10/11/2022 17:50	9.2	266	8	11.8	0	26.8	59
10/11/2022 18:00	9	266	8	11.7	0	26.6	59
10/11/2022 18:10	8.8	259	8	11.1	0	26.4	60
10/11/2022 18:20	8.2	260	9	11.7	0	26.3	60
10/11/2022 18:30	9.2	263	8	12.3	0	26.2	59
10/11/2022 18:40	8.6	262	8	11.6	0	26	62
10/11/2022 18:50	7.8	261	8	10.9	0	25.9	61
10/11/2022 19:00	7.9	261	9	11.7	0	25.8	61
10/11/2022 19:10	8.8	262	9	11.9	0	25.9	60
10/11/2022 19:20	8.8	261	8	11.5	0	25.8	60
10/11/2022 19:30	9.3	261	8	13.1	0	25.8	59
10/11/2022 19:40	8.7	258	8	10.9	0	25.8	59
10/11/2022 19:50	9.1	258	8	11.2	0	25.7	59
10/11/2022 20:00	7.7	256	8	9.7	0	25.6	60
10/11/2022 20:10	7.8	255	8	10.8	0	25.5	59
10/11/2022 20:20	8.2	255	8	11.7	0	25.6	57
10/11/2022 20:30	8.3	256	9	11.5	0	25.5	58
10/11/2022 20:40	8.8	257	9	11.4	0	25.5	59
10/11/2022 20:50	6.9	253	9	10.8	0	25.4	59
10/11/2022 21:00	7.5	255	10	10.1	0	25.3	59
10/11/2022 21:10	8.5	253	10	11.9	0	25.5	57
10/11/2022 21:20	8.2	250	9	11.1	0	25.5	57
10/11/2022 21:30	8.4	251	10	12.3	0	25.5	56
10/11/2022 21:40	7.5	250	10	10.3	0	25.4	57
10/11/2022 21:50	8	252	9	10.6	0	25.3	57
10/11/2022 22:00	8.1	249	10	10.4	0	25.4	55
10/11/2022 22:10	8.7	250	9	11.6	0	25.4	54
10/11/2022 22:20	8.2	248	10	10.8	0	25.3	54
10/11/2022 22:30	8.4	249	8	12.1	0	25.3	54
10/11/2022 22:40	8	247	10	11.3	0	25.3	55
10/11/2022 22:50	7.4	249	8	10.3	0	25	56
10/11/2022 23:00	7.2	249	9	9.8	0	24.9	57
10/11/2022 23:10	7.1	249	9	8.9	0	24.7	58
10/11/2022 23:20	7	251	9	9.7	0	24.6	58
10/11/2022 23:30	7.2	251	9	9.3	0	24.3	58
10/11/2022 23:40	6.8	254	8	9.1	0	24.2	59
10/11/2022 23:50	7.3	254	8	10.2	0	24	59
10/12/2022 00:00	7.5	256	7	9.6	0	24	59
10/12/2022 00:10	6.6	256	7	8.9	0	23.9	60



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/12/2022 00:20	6.4	257	7	7.9	0	23.8	60
10/12/2022 00:30	6.9	260	8	9.2	0	23.8	59
10/12/2022 00:40	7	258	8	9.2	0	23.8	58
10/12/2022 00:50	6.7	260	9	9	0	23.8	57
10/12/2022 01:00	6.2	260	8	8.1	0	23.7	56
10/12/2022 01:10	6.5	260	7	8.4	0	23.6	56
10/12/2022 01:20	6.5	261	7	8.5	0	23.5	55
10/12/2022 01:30	6.6	260	8	8.7	0	23.4	53
10/12/2022 01:40	6.1	258	7	8.4	0	23.3	53
10/12/2022 01:50	5.8	257	7	8.1	0	23.2	53
10/12/2022 02:00	5.8	256	8	7.4	0	23.1	52
10/12/2022 02:10	5.7	256	7	7.4	0	22.9	52
10/12/2022 02:20	5.7	259	7	6.9	0	22.8	51
10/12/2022 02:30	5.6	259	7	7.3	0	22.8	50
10/12/2022 02:40	5.4	261	7	6.7	0	22.8	49
10/12/2022 02:50	5	257	8	6.4	0	22.8	48
10/12/2022 03:00	4.6	256	8	5.9	0	22.8	46
10/12/2022 03:10	4.6	253	8	5.7	0	22.8	44
10/12/2022 03:20	4.1	251	9	5.5	0	22.9	42
10/12/2022 03:30	4.2	248	11	5.9	0	23.4	38
10/12/2022 03:40	4.4	244	13	5.8	0	23.6	36
10/12/2022 03:50	4.7	246	11	6.6	0	23.5	35
10/12/2022 04:00	5.1	248	8	7	0	23.3	36
10/12/2022 04:10	5.3	243	12	6.9	0	23.5	35
10/12/2022 04:20	5	242	11	7.8	0	23.5	34
10/12/2022 04:30	4.8	240	11	6.5	0	23.5	34
10/12/2022 04:40	4.5	245	11	6.6	0	23.1	35
10/12/2022 04:50	4.9	249	12	7.3	0	22.9	35
10/12/2022 05:00	5.1	247	11	7.9	0	22.8	35
10/12/2022 05:10	5	241	12	7.3	0	22.9	34
10/12/2022 05:20	4.9	241	11	7	0	22.9	35
10/12/2022 05:30	5.3	237	12	8.1	0	23.1	33
10/12/2022 05:40	5.7	237	11	8.4	0	23	33
10/12/2022 05:50	5.1	239	11	7.6	0	22.8	34
10/12/2022 06:00	4.7	243	13	7.7	0	22.7	34
10/12/2022 06:10	4.7	243	13	6.3	0	22.6	34
10/12/2022 06:20	5.4	240	12	7.9	0	22.8	34
10/12/2022 06:30	6	235	10	8	0	23	33
10/12/2022 06:40	5.4	236	12	8	0	23.1	34
10/12/2022 06:50	6.2	237	10	8.2	0	23.2	33
10/12/2022 07:00	6.6	234	10	9	0	23.3	34
10/12/2022 07:10	6.1	235	10	8.3	0	23.4	33
10/12/2022 07:20	6.1	233	13	9.5	0	23.7	34
10/12/2022 07:30	5.9	232	12	8.3	0	23.9	34
10/12/2022 07:40	4.6	226	15	7.3	0	24.3	34
10/12/2022 07:50	5.2	217	14	7.7	0	24.6	34
10/12/2022 08:00	6	228	11	8.3	0	24.8	34
10/12/2022 08:10	5.3	223	16	7.1	0	25.1	34



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/12/2022 08:20	5.2	221	14	8	0	25.5	32
10/12/2022 08:30	5.2	228	18	7.5	0	25.9	32
10/12/2022 08:40	5.1	212	14	7.3	0	26.2	31
10/12/2022 08:50	4.6	214	15	7.2	0	26.4	30
10/12/2022 09:00	4.7	218	17	6.7	0	27	29
10/12/2022 09:10	4.8	221	15	6.4	0	27.4	29
10/12/2022 09:20	5.1	219	16	7.4	0	27.4	30
10/12/2022 09:30	6.1	226	14	7.8	0	27.4	30
10/12/2022 09:40	6.1	231	15	8.1	0	27.6	29
10/12/2022 09:50	5.3	217	14	7.6	0	27.8	28
10/12/2022 10:00	5.2	231	15	7.5	0	28.4	28
10/12/2022 10:10	4.9	228	16	7.2	0	28.6	27
10/12/2022 10:20	5	239	17	7	0	28.7	28
10/12/2022 10:30	6	235	15	8.1	0	28.9	26
10/12/2022 10:40	6.4	244	15	9.2	0	29.2	25
10/12/2022 10:50	6.6	236	15	9.6	0	29.3	25
10/12/2022 11:00	6.4	230	15	9.5	0	29.3	24
10/12/2022 11:10	6.8	231	13	9.5	0	29.7	22
10/12/2022 11:20	5.8	229	17	8.6	0	29.9	24
10/12/2022 11:30	6.6	234	17	9.5	0	29.9	22
10/12/2022 11:40	7.1	231	16	10	0	30.4	22
10/12/2022 11:50	7	231	15	10.5	0	30.1	23
10/12/2022 12:00	6.9	216	12	10.2	0	30.3	23
10/12/2022 12:10	6.8	224	15	10.8	0	30.5	23
10/12/2022 12:20	6.7	231	14	10	0	30.7	22
10/12/2022 12:30	6.5	222	12	9.5	0	30.9	22
10/12/2022 12:40	6.7	226	17	9.9	0	31	22
10/12/2022 12:50	7.1	226	13	9.2	0	31.1	20
10/12/2022 13:00	6.8	220	14	9.6	0	31.2	21
10/12/2022 13:10	7	214	16	10.2	0	31.5	20
10/12/2022 13:20	6.8	206	14	10.3	0	31.3	19
10/12/2022 13:30	6.7	222	16	9.7	0	31.5	21
10/12/2022 13:40	6.5	196	12	9.4	0	31.6	18
10/12/2022 13:50	6.4	220	16	9.5	0	31.8	18
10/12/2022 14:00	6.8	212	15	9.6	0	31.9	18
10/12/2022 14:10	6.1	201	22	8.7	0	32.2	16
10/12/2022 14:20	7.5	223	13	10.5	0	32.3	17
10/12/2022 14:30	6.9	227	13	9.5	0	32.4	14
10/12/2022 14:40	7.1	221	18	9.8	0	32.3	16
10/12/2022 14:50	6	212	13	9.2	0	32.2	16
10/12/2022 15:00	7.7	203	13	10.2	0	32.3	14
10/12/2022 15:10	6.3	205	14	9.7	0	32.2	15
10/12/2022 15:20	6	218	18	8.8	0	32.7	15
10/12/2022 15:30	7.2	205	11	10.1	0	32.4	13
10/12/2022 15:40	7.5	211	14	10.5	0	31.9	15
10/12/2022 15:50	7.1	201	12	10	0	31.5	14
10/12/2022 16:00	8.6	195	10	11.5	0	31	14
10/12/2022 16:10	6.7	201	13	10.3	0	30.9	15



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/12/2022 16:20	7.8	205	12	10.2	0	30.5	16
10/12/2022 16:30	7.2	204	11	9.9	0	30.4	16
10/12/2022 16:40	7.1	200	11	9.8	0	30.2	15
10/12/2022 16:50	6.6	198	12	9.6	0	30.2	15
10/12/2022 17:00	7.3	205	13	10.3	0	30.6	14
10/12/2022 17:10	6.9	206	11	9	0	30.4	15
10/12/2022 17:20	6.9	209	11	9.5	0	30.2	15
10/12/2022 17:30	6.9	204	10	9.3	0	29.9	15
10/12/2022 17:40	5.7	204	10	8.5	0	29.8	16
10/12/2022 17:50	5.1	190	10	7	0	29.6	15
10/12/2022 18:00	5	191	13	7.8	0	29.5	15
10/12/2022 18:10	4.9	197	11	7.1	0	29.4	16
10/12/2022 18:20	4.9	199	11	6.8	0	29.2	16
10/12/2022 18:30	4.9	202	11	6.4	0	29.3	16
10/12/2022 18:40	4.4	202	9	6	0	29.3	17
10/12/2022 18:50	3.9	200	9	5.3	0	29.1	17
10/12/2022 19:00	4.6	203	10	6.2	0	29.1	17
10/12/2022 19:10	4.4	200	9	6.7	0	28.8	17
10/12/2022 19:20	5.1	202	9	7	0	28.7	16
10/12/2022 19:30	5.1	201	11	7.2	0	28.6	15
10/12/2022 19:40	4.6	200	10	6.5	0	28.3	16
10/12/2022 19:50	5.6	197	10	8.5	0	28.4	15
10/12/2022 20:00	5.2	196	11	7.2	0	28	15
10/12/2022 20:10	5.5	193	10	8.3	0	28.1	14
10/12/2022 20:20	5.3	195	10	8	0	28	14
10/12/2022 20:30	5.6	195	12	7.6	0	28	14
10/12/2022 20:40	4.9	198	11	7.4	0	27.8	14
10/12/2022 20:50	5.3	202	10	7.8	0	27.6	14
10/12/2022 21:00	5.5	201	10	8.1	0	27.6	14
10/12/2022 21:10	5.7	201	10	8.3	0	27.4	14
10/12/2022 21:20	5.4	196	11	7.7	0	27.1	14
10/12/2022 21:30	5.2	197	11	7.6	0	27	14
10/12/2022 21:40	6	202	10	8.6	0	27	14
10/12/2022 21:50	6.3	202	11	8.4	0	26.8	14
10/12/2022 22:00	6.2	199	10	9.5	0	26.7	15
10/12/2022 22:10	5.9	201	9	8.2	0	26.5	15
10/12/2022 22:20	5.8	199	12	8.3	0	26.3	15
10/12/2022 22:30	5.7	196	12	7.9	0	26.1	15
10/12/2022 22:40	5.4	198	10	8.3	0	25.8	16
10/12/2022 22:50	5.5	197	9	7.3	0	25.6	16
10/12/2022 23:00	5.5	196	11	7.7	0	25.4	16
10/12/2022 23:10	4.7	195	10	7.2	0	25.2	16
10/12/2022 23:20	5.6	196	11	9.4	0	25.1	16
10/12/2022 23:30	5.5	196	11	8.4	0	24.9	16
10/12/2022 23:40	5.1	190	11	7.1	0	24.8	16
10/12/2022 23:50	4.4	189	11	6.7	0	24.5	17
13/10/2022 00:00	4.4	190	12	6.2	0	24.4	17
13/10/2022 00:10	4.4	187	14	7.4	0	24.3	18



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/10/2022 00:20	4	183	11	6.3	0	24.1	19
13/10/2022 00:30	4	180	12	6.1	0	24.1	19
13/10/2022 00:40	4.3	182	10	6.7	0	24	19
13/10/2022 00:50	4.7	185	10	6.9	0	23.8	19
13/10/2022 01:00	4.2	185	11	6.1	0	23.7	19
13/10/2022 01:10	4.3	184	11	5.9	0	23.5	20
13/10/2022 01:20	4.3	180	11	6.2	0	23.5	20
13/10/2022 01:30	3.9	184	10	5.5	0	23.2	20
13/10/2022 01:40	4.3	186	10	6.2	0	23.1	20
13/10/2022 01:50	4.4	184	9	6.2	0	23	19
13/10/2022 02:00	4.1	185	10	6	0	22.9	19
13/10/2022 02:10	3.9	182	10	5.5	0	22.7	19
13/10/2022 02:20	3.3	178	10	4.7	0	22.5	19
13/10/2022 02:30	3.3	181	11	4.4	0	22.2	20
13/10/2022 02:40	3.2	176	11	4.5	0	22.2	19
13/10/2022 02:50	3.3	176	10	4.7	0	22.1	19
13/10/2022 03:00	3.4	175	9	4.7	0	22	19
13/10/2022 03:10	3.2	175	11	4.4	0	22	20
13/10/2022 03:20	2.3	171	14	4	0	22	19
13/10/2022 03:30	1.9	162	16	3.3	0	22.3	19
13/10/2022 03:40	2.6	152	15	4.6	0	22.5	18
13/10/2022 03:50	2.6	150	17	4.7	0	22.7	18
13/10/2022 04:00	2.7	152	17	4.7	0	22.7	18
13/10/2022 04:10	2	151	17	4	0	22.5	18
13/10/2022 04:20	2.3	157	18	4.4	0	22.3	18
13/10/2022 04:30	2.5	147	16	4.6	0	22.4	18
13/10/2022 04:40	2.4	148	15	4.2	0	22.3	18
13/10/2022 04:50	2.3	153	18	4	0	22.2	18
13/10/2022 05:00	2.3	149	14	3.8	0	22.2	18
13/10/2022 05:10	2.4	149	16	4	0	22.1	19
13/10/2022 05:20	2.5	145	14	4.3	0	22.2	19
13/10/2022 05:30	2.8	144	14	4.1	0	22.4	18
13/10/2022 05:40	2.9	141	13	4.4	0	22.5	18
13/10/2022 05:50	2.4	129	18	4.5	0	22.1	19
13/10/2022 06:00	2	113	17	3.6	0	21.9	23
13/10/2022 06:10	2.7	115	15	4.7	0	21.6	25
13/10/2022 06:20	4.1	115	9	5.6	0	21.7	29
13/10/2022 06:30	4.3	114	11	5.9	0	21.6	33
13/10/2022 06:40	6.4	98	12	10.4	0	22.9	29
13/10/2022 06:50	7.5	103	14	11.6	0	23.5	30
13/10/2022 07:00	7.4	105	13	10.9	0	23.6	31
13/10/2022 07:10	7.7	107	13	10.9	0	23.7	31
13/10/2022 07:20	7.6	106	12	11.8	0	23.8	31
13/10/2022 07:30	6.9	105	13	9.7	0	24	30
13/10/2022 07:40	7.1	104	14	10.6	0	24	29
13/10/2022 07:50	7.7	104	13	11.4	0	24.1	28
13/10/2022 08:00	7.6	104	13	11.3	0	24.3	29
13/10/2022 08:10	7	104	11	9.9	0	24.6	31



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/10/2022 08:20	8.8	106	12	12.2	0	24.6	31
13/10/2022 08:30	8.3	105	13	11.5	0	24.6	32
13/10/2022 08:40	9.2	96	12	12.7	0	24.6	30
13/10/2022 08:50	9.6	91	9	12.9	0	24.2	31
13/10/2022 09:00	10.1	92	10	13.3	0	24	31
13/10/2022 09:10	9.4	94	11	12.8	0	24.8	30
13/10/2022 09:20	9.1	92	9	12.8	0	24.8	30
13/10/2022 09:30	9.3	95	11	12.8	0	25.2	30
13/10/2022 09:40	9.7	91	12	13.6	0	25.5	30
13/10/2022 09:50	9.3	93	12	13.4	0	25.6	30
13/10/2022 10:00	10	90	8	12.8	0	25.9	30
13/10/2022 10:10	10.2	89	10	12.4	0	25.5	29
13/10/2022 10:20	8.9	86	11	11.9	0	26	29
13/10/2022 10:30	9.6	88	9	12.8	0	26.3	28
13/10/2022 10:40	9.2	88	9	11.6	0	26.5	29
13/10/2022 10:50	8.5	88	10	11.4	0	27	28
13/10/2022 11:00	8.3	85	9	11.5	0	26.9	28
13/10/2022 11:10	8.8	83	10	11.7	0	27	27
13/10/2022 11:20	8.6	82	11	11.4	0	26.8	28
13/10/2022 11:30	9.2	74	9	12.4	0	26.5	31
13/10/2022 11:40	9.4	76	9	11.8	0	26.7	30
13/10/2022 11:50	9.2	73	9	11.3	0	26.2	30
13/10/2022 12:00	8.8	74	8	11.7	0	26.5	30
13/10/2022 12:10	7.6	82	10	10.7	0	27.2	30
13/10/2022 12:20	7.1	78	11	9.7	0	27.3	30
13/10/2022 12:30	7.4	66	11	9.9	0	27.3	30
13/10/2022 12:40	7.4	68	12	9.6	0	27.6	29
13/10/2022 12:50	7.2	61	12	10	0	27.5	30
13/10/2022 13:00	8.1	58	10	10.1	0	27.5	29
13/10/2022 13:10	8.1	58	9	10.9	0	27.2	31
13/10/2022 13:20	7.9	60	10	10.3	0	27.1	31
13/10/2022 13:30	7.6	61	11	9.9	0	27.5	30
13/10/2022 13:40	7.4	62	11	9.4	0	27.4	31
13/10/2022 13:50	7.4	57	11	9.5	0	27.6	31
13/10/2022 14:00	7.1	57	12	9.1	0	27.6	30
13/10/2022 14:10	7.1	51	10	9.2	0	27.6	31
13/10/2022 14:20	7.9	46	10	10	0	27.5	31
13/10/2022 14:30	7.5	50	9	10	0	27.6	28
13/10/2022 14:40	7.2	50	12	9.1	0	27.8	31
13/10/2022 14:50	7.1	50	9	8.8	0	27.9	29
13/10/2022 15:00	7.4	48	9	9.1	0	28	27
13/10/2022 15:10	6.7	51	8	9	0	28.1	27
13/10/2022 15:20	6.8	53	10	8.7	0	28	26
13/10/2022 15:30	6.4	52	10	8.5	0	28.2	26
13/10/2022 15:40	6.5	52	9	8.8	0	28.3	25
13/10/2022 15:50	6	52	9	7.6	0	28.6	24
13/10/2022 16:00	5.3	33	15	7	0	28.8	27
13/10/2022 16:10	5.7	17	12	7.6	0	28.2	34



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/10/2022 16:20	5.7	4	13	7.8	0	28	36
13/10/2022 16:30	6.5	6	10	8.2	0	27.5	38
13/10/2022 16:40	6.2	183	14	7.8	0	27.6	37
13/10/2022 16:50	6	7	10	7.7	0	27.6	37
13/10/2022 17:00	6.1	180	11	8.1	0	27.2	40
13/10/2022 17:10	6	4	8	7.4	0	26.8	42
13/10/2022 17:20	5.4	358	9	6.8	0	26.7	43
13/10/2022 17:30	5.4	1	11	7.3	0	26.6	43
13/10/2022 17:40	5.4	180	10	6.8	0	26	46
13/10/2022 17:50	5.2	179	10	6.9	0	25.7	49
13/10/2022 18:00	5	181	11	6.5	0	25.4	50
13/10/2022 18:10	5.3	359	9	7.1	0	25	51
13/10/2022 18:20	5.2	3	10	6.9	0	24.9	52
13/10/2022 18:30	4.7	6	12	6.5	0	24.9	51
13/10/2022 18:40	4.2	180	11	6.4	0	24.9	50
13/10/2022 18:50	4.5	284	13	6.7	0	24.6	50
13/10/2022 19:00	4.5	298	18	6.2	0	24.5	52
13/10/2022 19:10	3.9	287	18	5.4	0	24.5	52
13/10/2022 19:20	3.9	281	17	5	0	24.2	55
13/10/2022 19:30	3.7	270	11	4.9	0	24.1	55
13/10/2022 19:40	3.2	265	9	4.5	0	23.9	58
13/10/2022 19:50	3.9	265	8	4.9	0	23.7	59
13/10/2022 20:00	2.8	268	7	3.7	0	23.6	59
13/10/2022 20:10	3.9	257	6	4.8	0	23.5	60
13/10/2022 20:20	3.9	260	7	4.7	0	23.4	60
13/10/2022 20:30	3.3	260	7	4.1	0	23.3	60
13/10/2022 20:40	4	257	5	4.7	0	23	62
13/10/2022 20:50	3.8	260	5	4.4	0	22.8	62
13/10/2022 21:00	3.7	260	6	4.4	0	22.8	63
13/10/2022 21:10	3.7	254	8	4.7	0	22.9	63
13/10/2022 21:20	4	254	6	5.3	0	22.6	64
13/10/2022 21:30	4.2	255	7	5.1	0	22.6	65
13/10/2022 21:40	4	255	7	4.9	0	22.5	65
13/10/2022 21:50	3.9	255	8	4.9	0	22.4	65
13/10/2022 22:00	3.6	252	11	5.1	0	22.5	64
13/10/2022 22:10	3.9	251	9	5	0	22.5	65
13/10/2022 22:20	3.5	251	9	4.3	0	22.3	66
13/10/2022 22:30	4	254	11	5.3	0	22.4	64
13/10/2022 22:40	3.7	250	12	5	0	22.3	63
13/10/2022 22:50	3.6	249	11	4.9	0	22.5	62
13/10/2022 23:00	3.7	248	9	4.6	0	22.4	62
13/10/2022 23:10	4	242	10	5.5	0	22.6	60
13/10/2022 23:20	4.4	241	11	6.2	0	22.8	60
13/10/2022 23:30	3.8	247	12	5.6	0	22.5	61
13/10/2022 23:40	3.5	256	10	4.6	0	22	62
13/10/2022 23:50	3.5	256	10	4.4	0	21.7	63
14/10/2022 00:00	3.3	250	11	4.5	0	21.7	63
14/10/2022 00:10	3	259	8	4	0	21.4	64





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/10/2022 00:20	1	266	18	2.6	0	21	65
14/10/2022 00:30	0.8	254	14	3.3	0	21	65
14/10/2022 00:40	1.7	241	18	3.9	0	21.1	65
14/10/2022 00:50	3.2	239	17	4.7	0	21.4	64
14/10/2022 01:00	2.8	219	13	4.2	0	21.7	63
14/10/2022 01:10	3.4	236	13	5.1	0	21.7	63
14/10/2022 01:20	3.3	230	13	4.8	0	21.6	64
14/10/2022 01:30	3.5	243	14	5.2	0	21.6	63
14/10/2022 01:40	3.9	239	13	5.4	0	21.5	63
14/10/2022 01:50	3.3	241	16	5.3	0	21.4	64
14/10/2022 02:00	3.2	248	15	5.2	0	21.3	64
14/10/2022 02:10	2.5	272	8	3.3	0	20.7	65
14/10/2022 02:20	1.8	270	11	2.9	0	20.3	67
14/10/2022 02:30	0.6	229	21	2.2	0	20.5	67
14/10/2022 02:40	1.7	210	15	2.7	0	20.8	66
14/10/2022 02:50	2.2	187	15	3.1	0	21	64
14/10/2022 03:00	0.8	181	14	2.5	0	20.9	64
14/10/2022 03:10	1.6	190	25	3.3	0	21.1	62
14/10/2022 03:20	0.7	231	15	2.1	0	20.8	63
14/10/2022 03:30	0.5	217	14	1.2	0	20.6	63
14/10/2022 03:40	0.1	235	10	0.8	0	20.5	63
14/10/2022 03:50	0.1	183	10	1.4	0	20.3	62
14/10/2022 04:00	0.2	209	7	1.2	0	20.4	61
14/10/2022 04:10	2	200	13	3.4	0	20.4	60
14/10/2022 04:20	1.9	211	22	3.5	0	20.8	58
14/10/2022 04:30	1.2	207	15	2.7	0	20.4	59
14/10/2022 04:40	0.4	269	15	2	0	20.2	60
14/10/2022 04:50	1.5	263	36	3	0	20.1	59
14/10/2022 05:00	1.2	241	21	3	0	20.4	57
14/10/2022 05:10	1.7	240	30	2.8	0	20.3	55
14/10/2022 05:20	0.8	219	20	2.4	0	20.2	52
14/10/2022 05:30	0.4	254	17	2.3	0	20.1	53
14/10/2022 05:40	0.7	246	8	1.3	0	20.1	52
14/10/2022 05:50	0.8	117	22	2.5	0	20.2	50
14/10/2022 06:00	1.6	125	14	2.9	0	21	45
14/10/2022 06:10	1.9	119	16	3.4	0	21.3	44
14/10/2022 06:20	1.2	161	20	2.1	0	21.7	42
14/10/2022 06:30	0.5	189	14	2.3	0	21.4	46
14/10/2022 06:40	1.1	161	14	2.4	0	21.9	43
14/10/2022 06:50	2.2	131	17	3.7	0	22.8	39
14/10/2022 07:00	3.1	112	14	4.5	0	23	39
14/10/2022 07:10	3.8	113	12	5.4	0	22.6	41
14/10/2022 07:20	3.2	114	11	4.6	0	22.8	42
14/10/2022 07:30	3.3	116	11	4.6	0	22.9	44
14/10/2022 07:40	3.5	114	9	4.7	0	22.9	46
14/10/2022 07:50	3.1	115	12	4.8	0	23.5	45
14/10/2022 08:00	3	117	14	4.3	0	23.3	45
14/10/2022 08:10	3.3	115	14	4.6	0	23.6	44



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/10/2022 08:20	3.4	113	13	4.5	0	23.8	41
14/10/2022 08:30	3.7	118	11	5.2	0	23.8	41
14/10/2022 08:40	4.1	101	16	5.4	0	24.2	41
14/10/2022 08:50	6.3	87	7	8.2	0	25.1	33
14/10/2022 09:00	6.8	87	9	9.1	0	25.7	28
14/10/2022 09:10	6.6	84	10	8.9	0	25.9	28
14/10/2022 09:20	7.1	83	10	9.5	0	25.8	28
14/10/2022 09:30	6.8	84	11	9.1	0	25.8	29
14/10/2022 09:40	7.1	81	9	9.5	0	26	29
14/10/2022 09:50	7.1	72	9	9	0	26	29
14/10/2022 10:00	6.6	72	10	8.5	0	26.2	29
14/10/2022 10:10	7.3	71	7	9.6	0	26	30
14/10/2022 10:20	8	74	7	9.6	0	25.9	31
14/10/2022 10:30	7.1	78	10	9.8	0	26.6	31
14/10/2022 10:40	7	83	9	9.5	0	27	32
14/10/2022 10:50	6.6	77	11	9	0	27.6	33
14/10/2022 11:00	7.8	84	9	9.9	0	27.5	30
14/10/2022 11:10	7.9	85	8	10.4	0	27.8	29
14/10/2022 11:20	7.2	79	10	9.9	0	28.4	27
14/10/2022 11:30	7.6	83	9	10.4	0	28	27
14/10/2022 11:40	6.8	68	12	8.9	0	28.5	27
14/10/2022 11:50	6.3	69	14	8.8	0	28.9	26
14/10/2022 12:00	7	57	10	9.5	0	28.7	26
14/10/2022 12:10	7.3	56	9	9.2	0	28.5	24
14/10/2022 12:20	6.8	59	12	9	0	28.5	24
14/10/2022 12:30	7.1	52	8	8.9	0	28.2	24
14/10/2022 12:40	6.5	56	9	8.2	0	28.3	27
14/10/2022 12:50	6.5	56	10	8.4	0	28.1	30
14/10/2022 13:00	6.2	53	12	8.4	0	28.3	28
14/10/2022 13:10	6.9	47	8	8.7	0	28.5	25
14/10/2022 13:20	6.8	52	10	8.7	0	28.3	23
14/10/2022 13:30	6.6	53	10	8.1	0	28.6	20
14/10/2022 13:40	6.3	54	11	8	0	28.7	21
14/10/2022 13:50	6.8	58	8	8.7	0	28.8	20
14/10/2022 14:00	6.2	57	9	7.9	0	29.1	18
14/10/2022 14:10	6.1	54	10	7.9	0	29.2	18
14/10/2022 14:20	6.6	50	7	8.2	0	28.9	18
14/10/2022 14:30	5.8	51	10	7.5	0	29	18
14/10/2022 14:40	5.8	57	10	7.5	0	29.2	18
14/10/2022 14:50	5.2	56	13	6.9	0	29.5	17
14/10/2022 15:00	5.2	54	13	6.8	0	29.8	16
14/10/2022 15:10	5	56	8	6.3	0	29.5	16
14/10/2022 15:20	4.3	44	14	6.1	0	29.9	19
14/10/2022 15:30	4.6	28	24	6.5	0	29.8	24
14/10/2022 15:40	4.8	12	15	7.5	0	29	31
14/10/2022 15:50	5.2	182	10	6.8	0	28.3	34
14/10/2022 16:00	4.8	180	11	6.3	0	28.4	33
14/10/2022 16:10	5.5	6	10	6.6	0	28.4	32



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/10/2022 16:20	6.3	359	11	7.5	0	27.9	34
14/10/2022 16:30	5.7	179	13	7.2	0	27.8	37
14/10/2022 16:40	5.6	7	8	6.7	0	27.7	36
14/10/2022 16:50	4.5	9	8	6	0	27.9	37
14/10/2022 17:00	5.6	355	12	6.6	0	27.4	39
14/10/2022 17:10	6	359	8	7	0	26.9	40
14/10/2022 17:20	5.8	358	9	7.1	0	26.9	41
14/10/2022 17:30	5.6	178	11	6.7	0	26.6	40
14/10/2022 17:40	5.4	352	9	6.5	0	26.5	41
14/10/2022 17:50	5.2	352	9	6.5	0	26.2	44
14/10/2022 18:00	5.5	353	9	7.1	0	25.9	43
14/10/2022 18:10	5	354	10	6.5	0	25.6	45
14/10/2022 18:20	4.9	343	7	6.5	0	25.4	47
14/10/2022 18:30	4.4	334	10	6.3	0	25	52
14/10/2022 18:40	5.1	335	8	6.3	0	24.8	53
14/10/2022 18:50	4.2	330	9	5.7	0	24.8	52
14/10/2022 19:00	3.7	324	11	5	0	24.8	53
14/10/2022 19:10	3.2	312	11	4.9	0	24.7	53
14/10/2022 19:20	3.2	295	15	4.2	0	24.6	54
14/10/2022 19:30	3.5	305	11	4.7	0	24.6	54
14/10/2022 19:40	2.8	303	12	3.9	0	24.5	55
14/10/2022 19:50	3.7	293	10	4.8	0	24.5	55
14/10/2022 20:00	3.3	289	11	4.2	0	24.5	54
14/10/2022 20:10	3.8	280	6	4.6	0	24	57
14/10/2022 20:20	3	283	6	3.9	0	23.8	60
14/10/2022 20:30	3.3	290	7	3.9	0	23.9	58
14/10/2022 20:40	2.7	288	9	3.7	0	23.8	57
14/10/2022 20:50	2.1	287	8	3.1	0	23.4	58
14/10/2022 21:00	2.4	288	9	3.1	0	23.5	57
14/10/2022 21:10	3	275	5	3.6	0	23.1	61
14/10/2022 21:20	3.2	275	3	3.6	0	23.2	62
14/10/2022 21:30	3.3	280	5	3.9	0	23.4	63
14/10/2022 21:40	2.6	295	8	3.3	0	23.6	63
14/10/2022 21:50	2.7	285	8	3.3	0	23.5	63
14/10/2022 22:00	2.5	293	7	3.2	0	23.6	62
14/10/2022 22:10	2.2	305	10	2.7	0	23.6	62
14/10/2022 22:20	2.2	300	7	2.8	0	23.4	64
14/10/2022 22:30	2.4	282	10	3	0	23	66
14/10/2022 22:40	3.5	257	5	4.1	0	22	71
14/10/2022 22:50	3.3	260	3	3.7	0	21.7	72
14/10/2022 23:00	3.6	254	5	4.2	0	21.7	72
14/10/2022 23:10	3.8	256	6	4.4	0	21.4	72
14/10/2022 23:20	3.1	258	6	4.1	0	21.3	73
14/10/2022 23:30	3.5	255	7	4.2	0	21.4	74
14/10/2022 23:40	3	260	7	4	0	21.3	74
14/10/2022 23:50	2.9	254	9	3.7	0	21.4	74
15/10/2022 00:00	3	253	9	4	0	21.6	75
15/10/2022 00:10	3.3	255	10	4.2	0	21.6	75



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/10/2022 00:20	3.3	258	8	4.2	0	21.4	75
15/10/2022 00:30	3.5	258	9	4.3	0	21.4	75
15/10/2022 00:40	3.6	261	7	4.3	0	21.3	75
15/10/2022 00:50	3.6	262	10	4.7	0	21.2	75
15/10/2022 01:00	3.4	259	10	4.7	0	21.2	75
15/10/2022 01:10	3.4	255	10	4.5	0	21.3	74
15/10/2022 01:20	3.5	256	11	4.8	0	21.4	74
15/10/2022 01:30	3.6	252	13	4.9	0	21.5	71
15/10/2022 01:40	3.4	254	12	4.6	0	21.5	71
15/10/2022 01:50	3.6	251	13	4.9	0	21.4	71
15/10/2022 02:00	3.4	252	11	4.8	0	21.2	71
15/10/2022 02:10	3.1	264	11	4.2	0	20.9	72
15/10/2022 02:20	3	275	9	3.6	0	20.8	73
15/10/2022 02:30	2.9	277	10	3.4	0	20.8	73
15/10/2022 02:40	3.1	273	10	3.7	0	20.6	74
15/10/2022 02:50	3.4	266	9	4.1	0	20.6	75
15/10/2022 03:00	3.6	258	11	4.6	0	20.5	75
15/10/2022 03:10	3.8	251	12	5.3	0	20.8	74
15/10/2022 03:20	4.2	249	9	5.5	0	21	74
15/10/2022 03:30	4	250	10	5.3	0	20.9	74
15/10/2022 03:40	4.1	252	10	5.4	0	20.8	74
15/10/2022 03:50	4.3	249	9	6	0	20.9	74
15/10/2022 04:00	4.4	249	10	6	0	21	74
15/10/2022 04:10	4.4	257	9	5.7	0	20.7	74
15/10/2022 04:20	4.6	260	7	5.8	0	20.5	75
15/10/2022 04:30	4.5	264	7	5.7	0	20.5	75
15/10/2022 04:40	4.4	268	7	5.4	0	20.4	74
15/10/2022 04:50	4.6	269	6	5.4	0	20.4	74
15/10/2022 05:00	4.7	268	6	5.7	0	20.4	74
15/10/2022 05:10	4.2	270	6	5.2	0	20.2	74
15/10/2022 05:20	4.2	275	6	5.3	0	20.1	74
15/10/2022 05:30	4.1	275	7	5	0	20.1	74
15/10/2022 05:40	3.8	281	8	5	0	20.2	73
15/10/2022 05:50	3.6	282	8	4.5	0	20.2	72
15/10/2022 06:00	3.7	285	8	5	0	20.4	69
15/10/2022 06:10	3.9	284	8	5	0	20.7	66
15/10/2022 06:20	3.2	286	9	4.5	0	21	64
15/10/2022 06:30	2.8	286	14	3.9	0	21.5	61
15/10/2022 06:40	2.9	288	10	4	0	21.9	57
15/10/2022 06:50	2.7	287	11	3.7	0	22.4	55
15/10/2022 07:00	2.2	274	13	3.2	0	23	52
15/10/2022 07:10	0.8	250	15	2.3	0	23.7	49
15/10/2022 07:20	1.3	211	22	2.7	0	23.8	45
15/10/2022 07:30	1.9	214	26	3.1	0	23.9	43
15/10/2022 07:40	1.9	247	24	3.3	0	24.4	41
15/10/2022 07:50	2.4	221	14	3.8	0	24.6	41
15/10/2022 08:00	2.5	187	12	3.7	0	24.6	41
15/10/2022 08:10	3.1	193	17	5.2	0	24.7	41



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/10/2022 08:20	3.3	202	17	5.4	0	25.1	38
15/10/2022 08:30	3.1	189	19	4.8	0	25.8	37
15/10/2022 08:40	3.2	198	19	5.1	0	26.2	36
15/10/2022 08:50	3.8	211	12	5.4	0	26.5	34
15/10/2022 09:00	3.9	206	11	5.4	0	26.9	33
15/10/2022 09:10	4.4	205	12	5.6	0	27.6	30
15/10/2022 09:20	4.2	198	13	5.6	0	28.1	28
15/10/2022 09:30	4	203	13	5.5	0	28.7	26
15/10/2022 09:40	3.9	194	15	5.1	0	29	24
15/10/2022 09:50	3.7	201	15	5.1	0	29.3	23
15/10/2022 10:00	2.9	178	16	4.5	0	29.8	21
15/10/2022 10:10	2.7	171	20	4.4	0	30.2	21
15/10/2022 10:20	2.1	155	36	3.5	0	31	21
15/10/2022 10:30	2.8	110	28	5	0	31.3	22
15/10/2022 10:40	3.3	105	18	4.7	0	31.3	21
15/10/2022 10:50	2.9	116	22	4.1	0	31.2	20
15/10/2022 11:00	2.5	122	24	3.6	0	31.4	20
15/10/2022 11:10	2.2	73	26	3.7	0	31.2	20
15/10/2022 11:20	2.1	96	19	3.3	0	32	20
15/10/2022 11:30	1.5	70	27	2.8	0	32	19
15/10/2022 11:40	1.6	72	22	3.1	0	32.3	19
15/10/2022 11:50	1.8	175	19	3.3	0	31.5	24
15/10/2022 12:00	3	328	18	4.6	0	31	32
15/10/2022 12:10	3.8	322	9	5.1	0	30.3	34
15/10/2022 12:20	4.3	326	10	5.6	0	29.9	36
15/10/2022 12:30	4.2	326	9	5.5	0	29.8	37
15/10/2022 12:40	3.9	324	7	4.9	0	29.9	33
15/10/2022 12:50	3.5	324	13	4.8	0	30.8	28
15/10/2022 13:00	3.8	316	9	4.9	0	30.3	30
15/10/2022 13:10	3.6	323	11	5	0	30.3	32
15/10/2022 13:20	3.9	325	12	5.1	0	30.3	32
15/10/2022 13:30	3.9	332	15	5.2	0	30	35
15/10/2022 13:40	4	321	13	5.8	0	29.8	33
15/10/2022 13:50	3.6	327	12	5.5	0	30.2	33
15/10/2022 14:00	3.9	318	11	5.2	0	29.6	33
15/10/2022 14:10	3.5	340	18	5.7	0	29.9	33
15/10/2022 14:20	3.5	344	21	5	0	29.8	36
15/10/2022 14:30	3.3	349	20	5.4	0	29.9	37
15/10/2022 14:40	3.2	336	20	4.7	0	29.6	38
15/10/2022 14:50	2.9	343	18	5	0	29.3	38
15/10/2022 15:00	3.3	334	12	4.6	0	28.9	38
15/10/2022 15:10	3.5	348	11	5.1	0	28.8	39
15/10/2022 15:20	3.8	338	16	5.8	0	28.6	42
15/10/2022 15:30	3.3	342	11	4.9	0	28.7	41
15/10/2022 15:40	3.3	335	26	4.5	0	28.6	42
15/10/2022 15:50	3.1	329	17	5	0	28.3	44
15/10/2022 16:00	3.2	323	14	4.5	0	28.5	42
15/10/2022 16:10	3.2	329	14	4.8	0	28.6	43



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/10/2022 16:20	3	321	13	4.8	0	28.5	45
15/10/2022 16:30	3.8	325	13	5.1	0	28.2	46
15/10/2022 16:40	4	310	9	5.1	0	28	48
15/10/2022 16:50	4.2	315	10	5.7	0	27.9	47
15/10/2022 17:00	4	323	11	5.5	0	27.9	47
15/10/2022 17:10	4.1	323	11	6	0	27.6	48
15/10/2022 17:20	5	330	11	6.5	0	27.3	50
15/10/2022 17:30	5.7	338	9	7.5	0	26.9	53
15/10/2022 17:40	6.7	343	8	8.4	0	26.4	55
15/10/2022 17:50	6.1	335	8	7.9	0	26.3	58
15/10/2022 18:00	6.2	328	8	7.7	0	25.9	59
15/10/2022 18:10	6.7	331	7	8.2	0	25.6	60
15/10/2022 18:20	6.2	330	6	7.6	0	25.4	62
15/10/2022 18:30	5.5	334	8	7.5	0	25.3	63
15/10/2022 18:40	5.6	334	8	7.3	0	25.2	62
15/10/2022 18:50	5.2	335	8	6.9	0	25.3	60
15/10/2022 19:00	5	328	9	6.6	0	25.3	60
15/10/2022 19:10	4.4	328	10	6.1	0	25.3	59
15/10/2022 19:20	2.1	273	30	4.1	0	25.2	61
15/10/2022 19:30	3	257	11	4.4	0	24.9	62
15/10/2022 19:40	3.8	269	8	4.6	0	24.6	67
15/10/2022 19:50	3.9	272	8	5.5	0	24.5	67
15/10/2022 20:00	4.4	267	8	6.2	0	24.5	72
15/10/2022 20:10	4.1	264	7	5.1	0	24.4	73
15/10/2022 20:20	4.7	261	7	6.1	0	24.3	75
15/10/2022 20:30	4.7	271	7	6	0	24.1	76
15/10/2022 20:40	3.7	268	8	4.8	0	24	76
15/10/2022 20:50	3.5	262	8	4.5	0	24	76
15/10/2022 21:00	3.2	271	8	3.8	0	23.9	76
15/10/2022 21:10	3.1	261	7	3.9	0	23.9	77
15/10/2022 21:20	3	264	7	3.7	0	23.7	78
15/10/2022 21:30	3.6	259	6	4.5	0	23.5	80
15/10/2022 21:40	4.3	260	7	5.4	0	23.7	80
15/10/2022 21:50	4.1	257	6	4.9	0	23.7	81
15/10/2022 22:00	4.2	258	7	5.2	0	23.4	82
15/10/2022 22:10	5	260	6	6.3	0	23.4	82
15/10/2022 22:20	4.7	259	7	6.3	0	23.4	81
15/10/2022 22:30	4.8	259	6	6	0	23.3	81
15/10/2022 22:40	4.7	260	4	5.5	0	23.1	81
15/10/2022 22:50	4.7	260	4	5.4	0	22.9	83
15/10/2022 23:00	4.6	258	6	5.3	0	22.7	83
15/10/2022 23:10	4.7	253	7	5.8	0	22.6	83
15/10/2022 23:20	5	257	6	6.6	0	22.5	82
15/10/2022 23:30	5.3	256	7	6.5	0	22.5	82
15/10/2022 23:40	5.1	258	7	6.6	0	22.5	83
15/10/2022 23:50	5	260	7	6.3	0	22.5	82
16/10/2022 00:00	5	263	7	6.7	0	22.5	81
16/10/2022 00:10	4.5	265	8	6.4	0	22.4	81



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/10/2022 00:20	4.7	265	7	5.9	0	22.2	80
16/10/2022 00:30	4.7	262	7	5.9	0	22.1	79
16/10/2022 00:40	4.2	263	8	5.4	0	22	77
16/10/2022 00:50	4.5	263	8	5.6	0	22	76
16/10/2022 01:00	4.3	261	6	5.5	0	22	75
16/10/2022 01:10	4.1	261	7	4.9	0	22	75
16/10/2022 01:20	4	260	7	4.8	0	21.9	75
16/10/2022 01:30	3.9	259	7	4.9	0	21.8	76
16/10/2022 01:40	4.2	258	6	5.1	0	21.8	77
16/10/2022 01:50	3.9	260	7	4.9	0	21.7	78
16/10/2022 02:00	3.8	262	7	4.8	0	21.6	79
16/10/2022 02:10	3.6	266	7	4.8	0	21.5	79
16/10/2022 02:20	3.9	266	6	4.9	0	21.4	80
16/10/2022 02:30	4	264	7	4.8	0	21.4	80
16/10/2022 02:40	4	267	6	5	0	21.4	80
16/10/2022 02:50	4.4	264	6	5.3	0	21.4	81
16/10/2022 03:00	4.4	259	7	5.6	0	21.4	81
16/10/2022 03:10	4.2	261	6	5.3	0	21.3	81
16/10/2022 03:20	4.2	264	6	4.9	0	21.2	81
16/10/2022 03:30	4.6	263	5	5.6	0	21.1	80
16/10/2022 03:40	4.8	258	5	5.9	0	21.2	78
16/10/2022 03:50	4.5	259	6	5.4	0	21.1	76
16/10/2022 04:00	4.2	262	6	5.5	0	21	74
16/10/2022 04:10	4.3	262	7	5.4	0	20.9	73
16/10/2022 04:20	4.4	261	6	5.4	0	20.8	73
16/10/2022 04:30	4.6	259	4	5.4	0	20.6	73
16/10/2022 04:40	4.7	260	4	5.4	0	20.3	73
16/10/2022 04:50	4.2	259	3	4.5	0	19.9	74
16/10/2022 05:00	3.8	263	2	4.2	0	19.4	75
16/10/2022 05:10	3.8	265	2	4.3	0	19.2	76
16/10/2022 05:20	3.8	263	2	4.3	0	19.1	76
16/10/2022 05:30	3.7	264	2	4.1	0	18.8	76
16/10/2022 05:40	3.6	262	2	4.2	0	18.7	77
16/10/2022 05:50	3.4	264	3	4.1	0	18.8	77
16/10/2022 06:00	3.3	266	3	3.9	0	18.9	77
16/10/2022 06:10	2.9	268	4	3.8	0	19.2	76
16/10/2022 06:20	3.1	264	5	4	0	19.6	75
16/10/2022 06:30	3.6	263	5	4.1	0	20.1	74
16/10/2022 06:40	3.9	264	4	4.5	0	20.7	72
16/10/2022 06:50	4	262	5	4.7	0	21.4	70
16/10/2022 07:00	3.9	262	7	4.8	0	22	68
16/10/2022 07:10	4.5	261	7	5.3	0	22.5	65
16/10/2022 07:20	4.6	272	9	5.6	0	22.9	64
16/10/2022 07:30	4.3	275	8	5.3	0	23.2	62
16/10/2022 07:40	4.1	271	8	5	0	23.4	61
16/10/2022 07:50	4.3	274	9	5	0	23.7	59
16/10/2022 08:00	4.4	269	10	5.4	0	24	57
16/10/2022 08:10	4.5	267	9	5.3	0	24.4	54



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/10/2022 08:20	4	269	13	4.8	0	24.7	52
16/10/2022 08:30	3.8	279	13	4.8	0	25.3	50
16/10/2022 08:40	3.8	268	13	5.3	0	25.5	47
16/10/2022 08:50	4.4	268	13	5.5	0	26	44
16/10/2022 09:00	4.4	265	13	5.6	0	26.1	44
16/10/2022 09:10	4.9	272	10	6.1	0	26.4	45
16/10/2022 09:20	4.9	279	9	6.1	0	26.6	45
16/10/2022 09:30	5.4	278	8	6.7	0	26.5	43
16/10/2022 09:40	5.3	284	11	6.5	0	26.9	39
16/10/2022 09:50	5	287	8	6.8	0	27.6	36
16/10/2022 10:00	5.5	279	11	6.8	0	27.7	35
16/10/2022 10:10	5.5	267	9	6.9	0	27.5	35
16/10/2022 10:20	5.8	270	9	7.1	0	27.9	34
16/10/2022 10:30	5.6	278	10	6.9	0	27.9	35
16/10/2022 10:40	6.1	279	7	7.3	0	28	35
16/10/2022 10:50	5.9	278	8	7.5	0	28.1	33
16/10/2022 11:00	6.1	276	9	7.2	0	28	36
16/10/2022 11:10	6	282	8	7.4	0	28.3	35
16/10/2022 11:20	6.4	277	8	7.6	0	28.2	35
16/10/2022 11:30	6.3	277	10	7.9	0	28.6	35
16/10/2022 11:40	6.4	282	9	7.9	0	28.6	35
16/10/2022 11:50	6.8	272	8	8.5	0	29.1	33
16/10/2022 12:00	7.6	275	8	9.1	0	29	32
16/10/2022 12:10	7.6	277	7	9.4	0	29	32
16/10/2022 12:20	7.7	276	6	9.1	0	28.8	35
16/10/2022 12:30	7.1	275	9	8.7	0	29	36
16/10/2022 12:40	6.8	270	8	8.3	0	29.4	35
16/10/2022 12:50	7.5	269	8	9	0	29.4	32
16/10/2022 13:00	7.4	272	7	9	0	29.5	31
16/10/2022 13:10	7.6	277	7	9.2	0	29.3	34
16/10/2022 13:20	7.8	274	7	9.2	0	29.3	34
16/10/2022 13:30	8.2	273	7	9.8	0	29.3	31
16/10/2022 13:40	8.2	275	8	10	0	29.3	33
16/10/2022 13:50	7.8	274	7	10	0	29.6	32
16/10/2022 14:00	8.9	276	7	11	0	29	34
16/10/2022 14:10	9.1	277	7	11.2	0	28.6	38
16/10/2022 14:20	8.5	275	10	11.2	0	28.4	43
16/10/2022 14:30	8.9	273	9	11.5	0	28.3	44
16/10/2022 14:40	9.5	275	8	12	0	28.1	44
16/10/2022 14:50	9.4	275	8	11.9	0	28.1	44
16/10/2022 15:00	8.1	271	11	11.6	0	28.4	43
16/10/2022 15:10	8.9	270	9	11.6	0	28	45
16/10/2022 15:20	7.9	271	10	10.2	0	28.4	45
16/10/2022 15:30	9	268	10	11.6	0	27.5	49
16/10/2022 15:40	8.2	266	10	11.3	0	27.5	50
16/10/2022 15:50	8.4	266	9	11	0	27.5	48
16/10/2022 16:00	7.8	269	10	10.8	0	27.6	48
16/10/2022 16:10	8	267	10	10.5	0	27.6	47





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/10/2022 16:20	8.2	267	9	10.7	0	27.4	48
16/10/2022 16:30	8.3	268	9	10.6	0	27.1	52
16/10/2022 16:40	8.3	271	9	10.7	0	26.9	55
16/10/2022 16:50	8	272	8	11.3	0	26.7	57
16/10/2022 17:00	8.5	270	9	11.6	0	26.3	58
16/10/2022 17:10	8.3	271	10	11.1	0	26.2	59
16/10/2022 17:20	8.8	270	9	11.5	0	25.9	60
16/10/2022 17:30	8.5	272	7	11.9	0	25.7	61
16/10/2022 17:40	7.8	268	9	10.4	0	25.5	62
16/10/2022 17:50	7.1	269	9	10.2	0	25.5	62
16/10/2022 18:00	7.8	268	8	10.9	0	25.2	62
16/10/2022 18:10	8.2	266	9	10.8	0	25.1	60
16/10/2022 18:20	7.8	268	8	10.2	0	24.9	60
16/10/2022 18:30	6.8	265	9	9.4	0	25	59
16/10/2022 18:40	7.5	261	8	10.1	0	24.9	60
16/10/2022 18:50	7	261	10	9.2	0	24.8	62
16/10/2022 19:00	7.3	263	7	9.2	0	24.8	63
16/10/2022 19:10	7	264	9	9.7	0	24.8	64
16/10/2022 19:20	6.2	260	9	8.6	0	24.6	66
16/10/2022 19:30	7.6	259	8	9.2	0	24.6	66
16/10/2022 19:40	7.1	256	7	9.9	0	24.4	69
16/10/2022 19:50	7.4	256	8	9.9	0	24.3	70
16/10/2022 20:00	6.3	255	7	8.4	0	24.2	71
16/10/2022 20:10	6.8	258	8	8.4	0	24	71
16/10/2022 20:20	7.4	260	9	9.3	0	24.1	71
16/10/2022 20:30	7.7	259	8	10.9	0	24	71
16/10/2022 20:40	7.7	259	8	10	0	23.9	72
16/10/2022 20:50	6.9	260	8	9	0	23.8	72
16/10/2022 21:00	6.7	260	7	8.6	0	23.8	72
16/10/2022 21:10	5.9	257	8	7.2	0	23.7	74
16/10/2022 21:20	6.1	256	8	7.9	0	23.5	75
16/10/2022 21:30	6.9	254	8	9.4	0	23.5	75
16/10/2022 21:40	6.4	257	8	7.8	0	23.3	75
16/10/2022 21:50	6	257	7	7.9	0	23.2	75
16/10/2022 22:00	5.5	255	8	7.3	0	23.2	75
16/10/2022 22:10	5.6	255	8	7.7	0	23.2	76
16/10/2022 22:20	5.7	255	8	7.4	0	23.3	76
16/10/2022 22:30	5.6	254	7	7.5	0	23.2	76
16/10/2022 22:40	5.6	255	8	7.4	0	23.2	77
16/10/2022 22:50	5.7	256	8	8	0	23.2	77
16/10/2022 23:00	5.8	253	9	7.7	0	23.3	77
16/10/2022 23:10	6.8	252	9	8.8	0	23.1	76
16/10/2022 23:20	6.8	255	8	8.5	0	23.1	76
16/10/2022 23:30	6	253	9	8.3	0	23	77
16/10/2022 23:40	6	252	8	8.1	0	22.9	77
16/10/2022 23:50	6.1	253	8	8	0	22.8	76
17/10/2022 00:00	5.3	252	10	7.2	0	22.7	76
17/10/2022 00:10	5.7	254	7	7.9	0	22.6	76



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/10/2022 00:20	5.6	253	11	7.4	0	22.6	75
17/10/2022 00:30	6.4	256	7	8	0	22.5	74
17/10/2022 00:40	5.7	256	7	6.9	0	22.3	75
17/10/2022 00:50	5.9	258	8	7.7	0	22.2	74
17/10/2022 01:00	6.2	257	6	7.7	0	22.1	72
17/10/2022 01:10	6.1	257	7	8.2	0	22.1	71
17/10/2022 01:20	5.6	254	8	6.9	0	22.1	69
17/10/2022 01:30	5.8	258	8	7.3	0	22	69
17/10/2022 01:40	5.9	257	8	7.3	0	21.9	68
17/10/2022 01:50	5.7	255	6	7	0	21.8	67
17/10/2022 02:00	5.6	256	9	7.3	0	21.6	67
17/10/2022 02:10	5.7	258	7	7.2	0	21.6	66
17/10/2022 02:20	5.3	259	6	6.7	0	21.6	65
17/10/2022 02:30	5.2	262	6	6.8	0	21.5	65
17/10/2022 02:40	5.1	263	6	6.5	0	21.4	64
17/10/2022 02:50	4.8	266	7	6.1	0	21.4	64
17/10/2022 03:00	4.7	265	7	5.9	0	21.3	63
17/10/2022 03:10	4.3	266	6	5.4	0	21.2	63
17/10/2022 03:20	4.4	264	6	5.7	0	21	62
17/10/2022 03:30	4.3	263	6	5.5	0	20.9	62
17/10/2022 03:40	4.3	267	5	5.3	0	20.8	62
17/10/2022 03:50	4.3	265	6	5.2	0	20.7	62
17/10/2022 04:00	4.5	259	5	5.4	0	20.8	61
17/10/2022 04:10	4.5	261	5	5.4	0	21	59
17/10/2022 04:20	4.4	264	5	5.2	0	21	58
17/10/2022 04:30	4.1	266	7	5.1	0	21	58
17/10/2022 04:40	4.4	260	10	6	0	21.3	55
17/10/2022 04:50	4.6	246	14	6.5	0	22.2	51
17/10/2022 05:00	4.2	228	16	6.9	0	22.5	51
17/10/2022 05:10	5.8	215	11	8.5	0	22.7	50
17/10/2022 05:20	6.8	213	10	9.1	0	23	48
17/10/2022 05:30	6.5	210	10	9	0	22.9	46
17/10/2022 05:40	7	211	11	9.2	0	22.9	46
17/10/2022 05:50	6.8	209	9	9.3	0	22.8	44
17/10/2022 06:00	6	210	10	8.1	0	22.7	44
17/10/2022 06:10	5.4	208	11	7.7	0	22.7	43
17/10/2022 06:20	6.1	204	9	8.3	0	22.9	42
17/10/2022 06:30	6.6	202	9	8.9	0	23.1	42
17/10/2022 06:40	5.7	201	10	7.4	0	23.3	41
17/10/2022 06:50	5	199	10	7.5	0	23.5	41
17/10/2022 07:00	5.6	198	9	7.5	0	23.7	41
17/10/2022 07:10	6	198	8	8.5	0	24	40
17/10/2022 07:20	5.2	201	11	7.3	0	24.3	40
17/10/2022 07:30	5.9	195	9	8.3	0	24.6	39
17/10/2022 07:40	6.2	196	9	8.7	0	24.9	38
17/10/2022 07:50	5.8	192	11	8.2	0	25.2	38
17/10/2022 08:00	5.3	188	11	7.4	0	25.6	37
17/10/2022 08:10	4.8	179	13	6.4	0	25.9	36



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/10/2022 08:20	4.6	174	10	6.2	0	26.1	36
17/10/2022 08:30	4	171	13	5.6	0	26.4	35
17/10/2022 08:40	3.4	179	13	4.8	0	26.7	34
17/10/2022 08:50	3.1	160	19	4.6	0	27.3	33
17/10/2022 09:00	3.5	174	13	4.6	0	27.6	33
17/10/2022 09:10	3.1	155	25	4.5	0	28.3	32
17/10/2022 09:20	3.5	170	17	4.9	0	28.5	31
17/10/2022 09:30	3.5	169	23	5.8	0	29.1	30
17/10/2022 09:40	3.9	182	17	5.9	0	29.2	29
17/10/2022 09:50	3.5	175	17	4.9	0	29.3	29
17/10/2022 10:00	3.8	183	19	5.5	0	29.7	28
17/10/2022 10:10	3.8	190	16	6	0	29.8	28
17/10/2022 10:20	3.5	180	20	5.3	0	30.3	27
17/10/2022 10:30	2.6	170	23	4.1	0	30.6	27
17/10/2022 10:40	3	151	28	4.8	0	30.9	27
17/10/2022 10:50	2.6	166	40	4.2	0	31.5	25
17/10/2022 11:00	3.1	145	19	4.9	0	31.6	25
17/10/2022 11:10	2.8	147	35	4.7	0	31.5	24
17/10/2022 11:20	2.5	161	38	4.6	0	32.2	24
17/10/2022 11:30	2.6	181	27	5.4	0	32.4	23
17/10/2022 11:40	2.1	150	27	4.1	0	32.7	22
17/10/2022 11:50	2.5	122	16	4.1	0	33.3	21
17/10/2022 12:00	2	149	36	3.8	0	33.6	20
17/10/2022 12:10	2.7	154	30	4.7	0	33.6	20
17/10/2022 12:20	2.3	137	23	4.6	0	33.7	21
17/10/2022 12:30	1.9	194	23	4.9	0	33.6	21
17/10/2022 12:40	3.9	272	20	5.7	0	33.4	23
17/10/2022 12:50	4.3	278	14	6.2	0	33.5	22
17/10/2022 13:00	4.4	278	10	5.8	0	33	22
17/10/2022 13:10	4.3	285	15	5.8	0	32.5	25
17/10/2022 13:20	5	298	11	6.5	0	32.6	26
17/10/2022 13:30	5.2	295	11	7.2	0	32.1	30
17/10/2022 13:40	5.9	291	8	7.4	0	31.6	32
17/10/2022 13:50	5.6	291	9	7.4	0	31.7	31
17/10/2022 14:00	5.6	296	11	7.8	0	31.2	34
17/10/2022 14:10	5.7	295	9	7.2	0	30.9	34
17/10/2022 14:20	5.7	295	9	7.6	0	30.8	34
17/10/2022 14:30	5.4	295	10	7.7	0	30.9	35
17/10/2022 14:40	6.1	287	9	8	0	30.8	36
17/10/2022 14:50	6.1	294	9	7.7	0	30.6	36
17/10/2022 15:00	6.3	298	10	7.9	0	30.8	34
17/10/2022 15:10	6.3	293	8	8.1	0	30.8	35
17/10/2022 15:20	5.7	290	10	7.8	0	30.9	37
17/10/2022 15:30	6.3	297	8	7.5	0	30.2	39
17/10/2022 15:40	6.1	296	8	7.5	0	30.2	39
17/10/2022 15:50	5.8	294	10	7.8	0	30.3	40
17/10/2022 16:00	6	291	7	7.8	0	30.3	42
17/10/2022 16:10	6.1	291	8	7.7	0	30.1	44



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/10/2022 16:20	5.8	291	7	7.2	0	29.6	48
17/10/2022 16:30	5.4	293	8	7.6	0	29.3	50
17/10/2022 16:40	5.1	292	9	6.5	0	29.4	50
17/10/2022 16:50	4.9	291	8	6.2	0	29.3	50
17/10/2022 17:00	4.6	291	9	6.2	0	29.5	48
17/10/2022 17:10	4.6	300	9	6.2	0	29.2	48
17/10/2022 17:20	4.6	287	10	6.4	0	29.2	46
17/10/2022 17:30	4.7	288	9	6.5	0	29.1	47
17/10/2022 17:40	4.5	287	10	6.3	0	28.8	47
17/10/2022 17:50	4.6	292	7	6	0	28.3	51
17/10/2022 18:00	3.9	290	8	5	0	28.1	51
17/10/2022 18:10	3.4	281	12	4.7	0	28.1	48
17/10/2022 18:20	3.7	289	12	5.2	0	27.8	48
17/10/2022 18:30	3.9	294	9	5.5	0	27.6	49
17/10/2022 18:40	4.7	296	8	6	0	27.3	52
17/10/2022 18:50	4.5	294	8	5.7	0	27	55
17/10/2022 19:00	5.9	289	8	7.4	0	26.7	55
17/10/2022 19:10	4.9	284	8	6.5	0	26.5	57
17/10/2022 19:20	4.8	283	9	6.9	0	26.2	60
17/10/2022 19:30	5.1	281	7	6.6	0	25.9	62
17/10/2022 19:40	4.9	278	7	6.3	0	25.7	65
17/10/2022 19:50	4.8	279	7	6	0	25.5	67
17/10/2022 20:00	5.1	282	7	6.2	0	25.4	70
17/10/2022 20:10	5.4	276	6	7.1	0	25.3	71
17/10/2022 20:20	4.8	279	7	6.3	0	25.1	73
17/10/2022 20:30	4.6	286	7	6.1	0	25.1	74
17/10/2022 20:40	3.9	287	8	5	0	25.1	75
17/10/2022 20:50	3.4	281	8	4.6	0	24.9	76
17/10/2022 21:00	3.4	278	7	4.1	0	24.8	77
17/10/2022 21:10	3	281	6	3.6	0	24.7	78
17/10/2022 21:20	2.7	285	5	3.4	0	24.6	79
17/10/2022 21:30	3	275	5	3.7	0	24.4	80
17/10/2022 21:40	3.5	265	6	3.8	0	24.2	81
17/10/2022 21:50	2.9	265	8	3.6	0	24.1	82
17/10/2022 22:00	2.7	271	9	3.4	0	24.1	80
17/10/2022 22:10	3.1	270	7	3.8	0	24.3	72
17/10/2022 22:20	2.9	243	22	4	0	24.8	64
17/10/2022 22:30	2.5	232	24	3.6	0	26	52
17/10/2022 22:40	3.2	232	20	4.3	0	25.9	53
17/10/2022 22:50	3	206	16	3.9	0	27	36
17/10/2022 23:00	3	184	10	4.2	0	26.8	29
17/10/2022 23:10	3.4	184	12	4.6	0	27.1	27
17/10/2022 23:20	3.4	180	10	4.7	0	27.4	25
17/10/2022 23:30	3.1	177	11	4.1	0	27.1	25
17/10/2022 23:40	3.2	178	14	4.4	0	26.9	24
17/10/2022 23:50	3.3	170	15	5	0	27.3	21
18/10/2022 00:00	2.7	142	17	4	0	28	18
18/10/2022 00:10	2.7	147	22	4.4	0	28.3	17



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/10/2022 00:20	2.8	142	16	4.5	0	28.3	17
18/10/2022 00:30	3.1	139	15	4.5	0	28.3	17
18/10/2022 00:40	3.1	138	16	5.1	0	28.2	17
18/10/2022 00:50	2.6	134	16	4	0	27.9	17
18/10/2022 01:00	2.4	138	14	3.6	0	27.7	18
18/10/2022 01:10	1.9	137	16	3.4	0	27.4	18
18/10/2022 01:20	1.8	133	17	3.1	0	27.4	19
18/10/2022 01:30	2.2	133	16	3.6	0	27.5	19
18/10/2022 01:40	2.6	132	14	4.5	0	27.3	20
18/10/2022 01:50	3	132	17	4.6	0	27.4	20
18/10/2022 02:00	3.1	132	20	5.5	0	27.3	20
18/10/2022 02:10	2.3	124	20	3.9	0	26.8	22
18/10/2022 02:20	2.6	123	19	4.6	0	26.7	23
18/10/2022 02:30	1.9	121	21	3.5	0	26.4	24
18/10/2022 02:40	2.2	112	16	4	0	26	26
18/10/2022 02:50	3	106	10	4.2	0	25.4	29
18/10/2022 03:00	3.2	106	13	4.7	0	25.3	29
18/10/2022 03:10	3.5	110	9	4.4	0	25	31
18/10/2022 03:20	2.9	113	8	4	0	24.8	35
18/10/2022 03:30	2.6	117	12	3.5	0	24.7	33
18/10/2022 03:40	2.4	118	11	3.7	0	24.5	33
18/10/2022 03:50	3	115	10	4.1	0	24.5	34
18/10/2022 04:00	3.1	108	9	4	0	24.3	35
18/10/2022 04:10	3.2	109	11	4	0	23.3	41
18/10/2022 04:20	2.4	104	13	3.6	0	22.8	45
18/10/2022 04:30	2.3	102	11	3.2	0	22.3	50
18/10/2022 04:40	2.6	100	10	3.5	0	22.4	53
18/10/2022 04:50	3	91	7	3.9	0	22.3	48
18/10/2022 05:00	3.8	95	9	4.8	0	23.2	40
18/10/2022 05:10	4.3	89	7	5.2	0	23.7	40
18/10/2022 05:20	4.4	88	5	5.4	0	23.4	43
18/10/2022 05:30	5.1	90	6	6.4	0	24.2	40
18/10/2022 05:40	5.7	88	6	7.2	0	24.6	37
18/10/2022 05:50	5.8	88	7	7.2	0	24.7	36
18/10/2022 06:00	5.7	85	7	7.3	0	24.8	37
18/10/2022 06:10	5.3	84	6	6.8	0	24.6	38
18/10/2022 06:20	5.3	82	7	7.1	0	24.7	37
18/10/2022 06:30	5.5	79	7	7	0	24.9	36
18/10/2022 06:40	6.2	82	8	7.9	0	25	34
18/10/2022 06:50	6.3	84	8	8.6	0	25.2	35
18/10/2022 07:00	7.1	85	9	9.4	0	25.3	36
18/10/2022 07:10	8.2	87	8	10.8	0	25.5	34
18/10/2022 07:20	7.6	94	10	10.5	0	25.7	37
18/10/2022 07:30	6.5	96	12	9.3	0	26.1	39
18/10/2022 07:40	9.5	90	10	12.5	0	26	33
18/10/2022 07:50	10.1	89	9	12.9	0	26	33
18/10/2022 08:00	9.9	89	8	12.9	0	26.1	33
18/10/2022 08:10	10.5	88	9	13.9	0	26	33



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/10/2022 08:20	10.2	92	8	13.4	0	26.1	34
18/10/2022 08:30	9.7	88	9	13	0	26.2	35
18/10/2022 08:40	9.4	87	9	12.4	0	26.4	34
18/10/2022 08:50	10.1	86	8	13.7	0	26.6	33
18/10/2022 09:00	9	85	8	13	0	26.8	35
18/10/2022 09:10	9.8	84	9	13.4	0	26.8	33
18/10/2022 09:20	10.2	83	8	13.3	0	26.9	32
18/10/2022 09:30	9.9	84	9	12.8	0	27	33
18/10/2022 09:40	9.7	84	9	13.1	0	27.2	34
18/10/2022 09:50	9.8	85	9	13.2	0	27.3	34
18/10/2022 10:00	9.4	75	9	12.6	0	27.4	34
18/10/2022 10:10	9.7	75	9	12.8	0	27.4	33
18/10/2022 10:20	9.4	77	10	12.5	0	27.6	32
18/10/2022 10:30	9.8	75	9	12.9	0	27.5	32
18/10/2022 10:40	10.1	74	8	12.7	0	27.5	32
18/10/2022 10:50	9.6	74	9	12.6	0	27.9	31
18/10/2022 11:00	9.9	73	8	12.5	0	27.6	34
18/10/2022 11:10	10	75	7	12.1	0	27.8	34
18/10/2022 11:20	9.9	78	8	12.5	0	27.8	34
18/10/2022 11:30	9.2	82	7	11.8	0	28.1	33
18/10/2022 11:40	8.8	82	9	11.1	0	28.4	32
18/10/2022 11:50	8.5	82	10	11.2	0	28.8	32
18/10/2022 12:00	7.9	76	11	10.6	0	29.1	31
18/10/2022 12:10	7.6	68	10	9.9	0	29.1	32
18/10/2022 12:20	8.6	62	10	11.4	0	28.5	35
18/10/2022 12:30	7.9	62	10	10.9	0	28.4	39
18/10/2022 12:40	7.9	63	10	10.4	0	28.2	39
18/10/2022 12:50	8.3	52	10	10.9	0	28.2	41
18/10/2022 13:00	8.6	51	8	10.6	0	27.7	43
18/10/2022 13:10	8.6	47	9	10.7	0	27.8	41
18/10/2022 13:20	8.6	49	11	10.4	0	27.9	42
18/10/2022 13:30	8	48	10	10.5	0	27.8	42
18/10/2022 13:40	8	52	10	10.5	0	28.3	41
18/10/2022 13:50	8.8	50	10	10.8	0	27.5	43
18/10/2022 14:00	8.6	47	7	11	0	27.8	40
18/10/2022 14:10	8.6	53	10	10.8	0	27.9	40
18/10/2022 14:20	8.9	46	7	11.4	0	28	38
18/10/2022 14:30	8.1	46	8	10.4	0	28.1	37
18/10/2022 14:40	8.1	51	8	9.9	0	27.9	38
18/10/2022 14:50	7.3	49	9	9.5	0	28.3	36
18/10/2022 15:00	7.2	54	10	9.6	0	28.4	35
18/10/2022 15:10	7.5	54	9	9.1	0	28.2	36
18/10/2022 15:20	7	51	9	8.9	0	28.4	35
18/10/2022 15:30	6.6	54	8	8.1	0	28.6	35
18/10/2022 15:40	6.4	56	9	8.2	0	28.7	34
18/10/2022 15:50	6.2	53	10	7.7	0	28.9	33
18/10/2022 16:00	5.7	58	9	7.2	0	29.4	32
18/10/2022 16:10	5.5	60	10	7.1	0	29.4	31



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/10/2022 16:20	5.3	60	8	6.3	0	29.5	32
18/10/2022 16:30	4.5	64	10	5.7	0	29.9	31
18/10/2022 16:40	4.3	63	9	5.5	0	29.8	34
18/10/2022 16:50	4.3	22	15	6.3	0	29.8	36
18/10/2022 17:00	5.1	9	11	6.7	0	29.1	40
18/10/2022 17:10	5.4	4	9	6.8	0	28.4	43
18/10/2022 17:20	5.4	7	7	6.5	0	28	44
18/10/2022 17:30	5.4	11	6	6.8	0	27.9	44
18/10/2022 17:40	5.1	6	7	6.3	0	27.6	44
18/10/2022 17:50	5.4	3	10	7.5	0	27.4	44
18/10/2022 18:00	5.6	179	9	7.1	0	27	47
18/10/2022 18:10	6.7	179	8	8.3	0	26.5	52
18/10/2022 18:20	7.3	355	7	8.6	0	26.1	57
18/10/2022 18:30	7.4	355	7	9.1	0	25.5	63
18/10/2022 18:40	7.6	356	12	8.7	0	25.4	64
18/10/2022 18:50	7.3	356	8	8.3	0	25.3	62
18/10/2022 19:00	7.4	355	6	8.8	0	25.3	62
18/10/2022 19:10	7.8	355	6	8.9	0	25.1	63
18/10/2022 19:20	7.6	354	7	9	0	25	65
18/10/2022 19:30	7.4	354	9	9.1	0	25	66
18/10/2022 19:40	6.8	351	11	8.4	0	24.8	68
18/10/2022 19:50	6.5	350	6	8.1	0	24.9	67
18/10/2022 20:00	6.3	350	8	8	0	24.8	67
18/10/2022 20:10	5.6	347	9	7.5	0	24.9	66
18/10/2022 20:20	5.2	344	10	6.8	0	24.9	67
18/10/2022 20:30	5.8	344	9	7.8	0	24.8	68
18/10/2022 20:40	5.7	346	8	7.8	0	24.8	67
18/10/2022 20:50	5.9	346	9	7.8	0	24.8	67
18/10/2022 21:00	5.1	345	8	6.7	0	24.8	68
18/10/2022 21:10	4.9	342	8	6.2	0	24.8	68
18/10/2022 21:20	5.9	340	7	7.2	0	24.9	67
18/10/2022 21:30	5.2	341	7	6.8	0	24.9	67
18/10/2022 21:40	4.8	344	7	6.4	0	24.8	67
18/10/2022 21:50	4.9	346	8	6.3	0	24.9	67
18/10/2022 22:00	5.3	349	7	6.7	0	25	66
18/10/2022 22:10	5.2	350	7	6.5	0	25	65
18/10/2022 22:20	4.7	350	7	5.7	0	24.9	66
18/10/2022 22:30	4.6	348	7	5.9	0	25	66
18/10/2022 22:40	3.7	350	11	4.9	0	25	65
18/10/2022 22:50	2.2	196	18	3.6	0	24.9	66
18/10/2022 23:00	0.5	56	25	2.1	0	24.5	67
18/10/2022 23:10	0.6	159	7	1.7	0	24.5	68
18/10/2022 23:20					0	24.4	67
18/10/2022 23:30					0	24.2	69
18/10/2022 23:40					0	24.2	70
18/10/2022 23:50					0	23.8	71
19/10/2022 00:00	1.2	325	5	2.4	0	24	72
19/10/2022 00:10					0	24.2	72



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/10/2022 00:20					0	23	72
19/10/2022 00:30					0	22.6	74
19/10/2022 00:40					0	23	74
19/10/2022 00:50					0	22.8	74
19/10/2022 01:00					0	22.7	75
19/10/2022 01:10					0	23.2	75
19/10/2022 01:20	0.2	276	4	1.8	0	23.4	76
19/10/2022 01:30	1.8	259	9	2.3	0	22.7	76
19/10/2022 01:40	1.4	268	5	2.4	0	22.3	77
19/10/2022 01:50	0.9	259	7	2.3	0	22.3	77
19/10/2022 02:00	1.2	250	10	2.1	0	22.3	77
19/10/2022 02:10	1.7	238	15	2.3	0	22.3	77
19/10/2022 02:20	0.8	233	18	1.6	0	22.2	77
19/10/2022 02:30	1.5	256	13	2.1	0	22.1	78
19/10/2022 02:40	0.7	226	5	2.3	0	22	78
19/10/2022 02:50	0.2	252	6	1.4	0	22.3	77
19/10/2022 03:00	0.2	263	0	1.4	0	22.1	78
19/10/2022 03:10	0.1	262	1	1.2	0	22.1	78
19/10/2022 03:20					0	22.2	78
19/10/2022 03:30	0.8	189	10	2.8	0	22.2	78
19/10/2022 03:40					0	22.3	77
19/10/2022 03:50					0	22.4	78
19/10/2022 04:00					0	22.4	77
19/10/2022 04:10					0	22.4	77
19/10/2022 04:20					0	22.5	76
19/10/2022 04:30					0	22.4	76
19/10/2022 04:40					0	22.3	76
19/10/2022 04:50					0	22.2	76
19/10/2022 05:00					0	22.2	77
19/10/2022 05:10					0	22.2	76
19/10/2022 05:20					0	21.9	76
19/10/2022 05:30					0	21.9	76
19/10/2022 05:40	0.2	263	3	1.5	0	22.1	75
19/10/2022 05:50					0	22.1	74
19/10/2022 06:00					0	22.2	74
19/10/2022 06:10					0	22.1	74
19/10/2022 06:20	0.9	79	7	1.9	0	22.3	74
19/10/2022 06:30	1.6	40	7	2.2	0	22.7	73
19/10/2022 06:40	0.2	49	0	1.6	0	23.3	71
19/10/2022 06:50	1.3	150	29	2.8	0	24.1	64
19/10/2022 07:00	1.7	182	12	2.7	0.3	24.7	56
19/10/2022 07:10	2	170	15	2.9	0	24.9	53
19/10/2022 07:20	1.9	122	17	3.5	0	25.8	48
19/10/2022 07:30	3	106	10	3.8	0	25.4	51
19/10/2022 07:40	2.8	110	13	4.1	0	25.1	55
19/10/2022 07:50	2.5	107	13	3.7	0	25.1	57
19/10/2022 08:00	2.4	118	13	3.5	0	25.6	54
19/10/2022 08:10	2.4	113	13	3.5	0	26	54





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/10/2022 08:20	2.5	113	13	3.5	0	26.6	51
19/10/2022 08:30	2.8	118	9	3.6	0	26.5	49
19/10/2022 08:40	2.5	115	15	3.4	0	27	47
19/10/2022 08:50	2.5	118	17	3.4	0	27.4	47
19/10/2022 09:00	2.6	118	13	3.5	0	27.6	45
19/10/2022 09:10	2.8	118	9	3.7	0	27.8	43
19/10/2022 09:20	2.6	119	18	3.4	0	28.4	41
19/10/2022 09:30	2.9	97	19	3.7	0	29	41
19/10/2022 09:40	2.8	106	19	4	0	29	41
19/10/2022 09:50	3.1	82	20	4.6	0	28.6	49
19/10/2022 10:00	3.3	80	16	4.4	0	28.2	51
19/10/2022 10:10	3.1	101	21	4.1	0	28.4	52
19/10/2022 10:20	2.5	109	25	3.7	0	29.1	49
19/10/2022 10:30	2.4	115	22	3.9	0	29.6	47
19/10/2022 10:40	2.2	129	19	3.5	0	29.9	44
19/10/2022 10:50	2.6	99	21	3.7	0	30.3	43
19/10/2022 11:00	2	93	28	4	0	30.6	41
19/10/2022 11:10	3	77	18	4.5	0	30.1	40
19/10/2022 11:20	2.6	113	25	4.1	0	30.4	39
19/10/2022 11:30	2.5	53	31	3.8	0	30.7	36
19/10/2022 11:40	3.1	55	19	4.7	0	30.6	36
19/10/2022 11:50	1.9	68	20	3.7	0	30.6	35
19/10/2022 12:00	2	59	19	4.3	0	31	33
19/10/2022 12:10	3.6	335	17	6.1	0	30.9	42
19/10/2022 12:20	3.7	336	21	5.1	0	30.3	42
19/10/2022 12:30	3.7	330	14	5.5	0	30.6	42
19/10/2022 12:40	3.7	344	16	5.3	0	30.2	41
19/10/2022 12:50	4.2	333	19	5.9	0	30.5	39
19/10/2022 13:00	3.8	182	12	5.1	0	31.1	38
19/10/2022 13:10	3.8	10	14	5.5	0	31	39
19/10/2022 13:20	3.4	10	14	5	0	30.8	41
19/10/2022 13:30	3.7	4	13	5.2	0	30.9	40
19/10/2022 13:40	3.3	186	18	5.2	0	30.8	39
19/10/2022 13:50	3.8	354	18	5.5	0	30.9	39
19/10/2022 14:00	3.5	354	22	5.1	0	30.6	41
19/10/2022 14:10	3.6	182	16	5.2	0	30.2	42
19/10/2022 14:20	3.4	183	22	4.7	0	30.4	44
19/10/2022 14:30	3.6	4	14	5.3	0	30.7	41
19/10/2022 14:40	3.6	21	14	4.9	0	30.7	41
19/10/2022 14:50	3.6	184	13	5.1	0	30.5	42
19/10/2022 15:00	3.6	182	14	5	0	30.5	40
19/10/2022 15:10	3.2	2	16	4.8	0	30.4	41
19/10/2022 15:20	3.2	8	16	4.6	0	30.4	41
19/10/2022 15:30	3.1	9	11	4.4	0	30.5	40
19/10/2022 15:40	3.4	9	12	4.4	0	30.5	39
19/10/2022 15:50	3.1	185	15	4.3	0	30.5	39
19/10/2022 16:00	3.7	7	9	5.1	0	30.5	39
19/10/2022 16:10	3.9	9	10	4.9	0	30.3	39



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/10/2022 16:20	4.3	15	8	5.5	0	30.1	42
19/10/2022 16:30	4	6	11	5.4	0	29.8	44
19/10/2022 16:40	3.6	4	9	4.7	0	29.5	46
19/10/2022 16:50	3.5	12	8	4.4	0	29.8	43
19/10/2022 17:00	3.5	11	11	4.5	0	29.8	43
19/10/2022 17:10	3.2	10	11	4.5	0	29.8	43
19/10/2022 17:20	3.1	10	10	4	0	29.6	44
19/10/2022 17:30	3.2	1	10	4.3	0	29.3	47
19/10/2022 17:40	3.3	355	10	4	0	28.8	49
19/10/2022 17:50	2.9	344	13	4	0	28.5	51
19/10/2022 18:00	4.1	358	9	4.9	0	28	52
19/10/2022 18:10	4.3	353	8	5.1	0	27.5	55
19/10/2022 18:20	3.3	349	8	4.2	0	27.1	60
19/10/2022 18:30	3.5	349	5	4.5	0	26.8	61
19/10/2022 18:40	2.7	337	9	3.4	0	26.7	61
19/10/2022 18:50	2.6	334	9	3.3	0	26.6	60
19/10/2022 19:00	3	338	7	3.6	0	26.4	63
19/10/2022 19:10	3.2	327	6	3.9	0	26.1	65
19/10/2022 19:20	3	326	8	3.8	0	26	66
19/10/2022 19:30	2.6	328	12	3.3	0	26	64
19/10/2022 19:40	2.1	344	15	3.2	0	26	64
19/10/2022 19:50	2	302	7	2.8	0	25.9	66
19/10/2022 20:00	2.2	305	10	2.9	0	25.7	66
19/10/2022 20:10	2.1	308	12	3.2	0	25.8	65
19/10/2022 20:20	1.9	285	11	2.7	0	25.7	65
19/10/2022 20:30	2.4	275	4	3.1	0	25.4	66
19/10/2022 20:40	2.9	269	4	3.3	0	25.4	65
19/10/2022 20:50	3.6	261	2	4	0	25.3	71
19/10/2022 21:00	3	270	4	3.5	0	25.2	72
19/10/2022 21:10	2.9	271	5	3.6	0	25.2	72
19/10/2022 21:20	3.1	268	3	3.5	0	25.1	73
19/10/2022 21:30	2.9	271	4	3.5	0	25	73
19/10/2022 21:40	3.1	274	5	3.7	0	24.9	73
19/10/2022 21:50	2.8	268	3	3.4	0	24.8	74
19/10/2022 22:00	3	264	3	3.5	0	24.7	74
19/10/2022 22:10	3.1	263	5	3.9	0	25	75
19/10/2022 22:20	3.3	265	4	3.9	0	25.1	77
19/10/2022 22:30	3.4	263	5	4.1	0	25.1	78
19/10/2022 22:40	3.4	264	5	4.3	0	24.9	80
19/10/2022 22:50	3.2	268	8	3.8	0	24.7	81
19/10/2022 23:00	2.7	262	8	3.6	0	24.5	82
19/10/2022 23:10	3.4	261	4	4	0	24.5	81
19/10/2022 23:20	3.4	257	5	4	0	24.5	81
19/10/2022 23:30	3.5	259	5	4	0	24.4	82
19/10/2022 23:40	3.7	260	5	4.2	0	24.2	82
19/10/2022 23:50	3.4	258	3	4.1	0	24.2	81
20/10/2022 00:00	3.6	263	4	4.3	0	24.3	81
20/10/2022 00:10	3.5	263	6	4.4	0	24.3	81



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/10/2022 00:20	3.8	259	5	4.4	0	24.3	81
20/10/2022 00:30	3.6	259	3	4.2	0	24.1	81
20/10/2022 00:40	3.7	260	3	4.1	0	23.9	82
20/10/2022 00:50	3.9	258	3	4.4	0	23.8	82
20/10/2022 01:00	4.1	258	3	4.5	0	23.7	83
20/10/2022 01:10	4	257	4	4.6	0	23.7	84
20/10/2022 01:20	4	256	6	5	0	23.7	84
20/10/2022 01:30	4	254	7	5.1	0	23.8	84
20/10/2022 01:40	4	256	7	5	0	23.8	85
20/10/2022 01:50	4.2	258	5	5	0	23.7	85
20/10/2022 02:00	4.1	257	5	4.8	0	23.7	86
20/10/2022 02:10	3.9	255	7	4.9	0	23.6	86
20/10/2022 02:20	4.1	257	6	5.1	0	23.6	86
20/10/2022 02:30	4.4	256	8	5.6	0	23.6	87
20/10/2022 02:40	4.4	260	5	5.6	0	23.5	87
20/10/2022 02:50	4.8	258	7	5.7	0	23.5	88
20/10/2022 03:00	4.4	259	6	5.4	0	23.5	88
20/10/2022 03:10	4.4	260	7	5.4	0	23.4	89
20/10/2022 03:20	4.5	260	6	5.5	0	23.4	89
20/10/2022 03:30	4.4	258	7	5.5	0	23.3	90
20/10/2022 03:40	4.1	256	8	5.6	0	23.2	90
20/10/2022 03:50	4.1	257	8	5	0	23.2	90
20/10/2022 04:00	3.9	256	7	5.1	0	23.2	90
20/10/2022 04:10	3.8	255	7	4.9	0	23.2	90
20/10/2022 04:20	3.8	254	8	4.8	0	23.2	90
20/10/2022 04:30	3.8	253	8	4.6	0	23.2	91
20/10/2022 04:40	3.4	245	11	4.8	0	23.3	91
20/10/2022 04:50	3.4	244	11	4.8	0	23.5	90
20/10/2022 05:00	3.3	242	12	4.6	0	23.6	90
20/10/2022 05:10	3.6	240	10	5	0	23.6	90
20/10/2022 05:20	3.3	239	13	4.6	0	23.6	89
20/10/2022 05:30	2.9	250	12	4.5	0	23.4	89
20/10/2022 05:40	3.3	244	12	4.5	0	23.3	90
20/10/2022 05:50	3.7	247	9	5.1	0	23.4	90
20/10/2022 06:00	2.7	247	12	3.8	0	23.4	89
20/10/2022 06:10	2.4	242	14	3.5	0	23.5	89
20/10/2022 06:20	2.2	214	14	3.3	0	23.7	89
20/10/2022 06:30	2.8	215	17	4.1	0	23.9	88
20/10/2022 06:40	3.1	204	14	4.1	0	24.1	86
20/10/2022 06:50	3	199	13	4	0	24.4	85
20/10/2022 07:00	3.4	197	8	4.3	0	24.5	84
20/10/2022 07:10	2.8	197	8	4	0.1	24.7	83
20/10/2022 07:20	2.8	200	13	3.9	0	24.9	81
20/10/2022 07:30	2.8	198	10	4.2	0	25.3	79
20/10/2022 07:40	2.8	200	20	3.7	0	25.7	77
20/10/2022 07:50	2.9	179	11	3.7	0	25.7	76
20/10/2022 08:00	2.8	176	12	3.5	0	25.9	76
20/10/2022 08:10	3	196	11	4	0	26.2	74



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/10/2022 08:20	2.6	198	16	3.6	0	26.6	72
20/10/2022 08:30	2.8	188	24	3.9	0	26.8	71
20/10/2022 08:40	2.3	206	18	3.6	0	27.4	66
20/10/2022 08:50	2.3	203	15	3.4	0	28.1	61
20/10/2022 09:00	2.2	187	16	3.4	0	28.7	59
20/10/2022 09:10	2.4	187	20	3.5	0	29.2	56
20/10/2022 09:20	2.6	234	20	3.9	0	30	51
20/10/2022 09:30	3.1	240	28	4.1	0	30.1	51
20/10/2022 09:40	2.2	175	21	4.1	0	30.3	50
20/10/2022 09:50	1.9	180	35	3.5	0	30.8	49
20/10/2022 10:00	1.9	248	21	3.7	0	31.3	48
20/10/2022 10:10	2	237	20	3.6	0	31.3	49
20/10/2022 10:20	3	278	19	4.3	0	31.2	50
20/10/2022 10:30	3	283	16	4.5	0	31.8	48
20/10/2022 10:40	3	279	17	4.4	0	31.7	48
20/10/2022 10:50	3.1	292	21	4.4	0	31.9	48
20/10/2022 11:00	3	283	15	4.4	0	32	48
20/10/2022 11:10	3	300	17	4	0	32	48
20/10/2022 11:20	3.3	287	18	4.6	0	32.2	47
20/10/2022 11:30	3.2	285	13	4.6	0	32.4	47
20/10/2022 11:40	3.3	283	15	4.8	0	32.2	46
20/10/2022 11:50	3.5	282	16	5.1	0	32.8	45
20/10/2022 12:00	3.8	284	10	4.9	0	32.8	44
20/10/2022 12:10	4.3	276	14	6	0	33.2	43
20/10/2022 12:20	4.1	277	12	5.3	0	33.2	42
20/10/2022 12:30	4	274	14	5.4	0	33	42
20/10/2022 12:40	4.6	279	8	5.6	0	33.1	43
20/10/2022 12:50	4.2	275	12	5.5	0	33	42
20/10/2022 13:00	4.1	274	14	5.5	0	33.5	42
20/10/2022 13:10	3.8	280	13	5.3	0	32.8	42
20/10/2022 13:20	3.8	280	12	4.7	0	32.9	42
20/10/2022 13:30	4.1	272	10	5.1	0	32.5	42
20/10/2022 13:40	4.2	277	10	5.4	0	32.8	42
20/10/2022 13:50	4.3	274	12	5.7	0	32.9	43
20/10/2022 14:00	4.5	261	12	6	0	32.6	44
20/10/2022 14:10	4.7	261	8	5.9	0	32.6	45
20/10/2022 14:20	5	269	12	6.4	0	32.3	47
20/10/2022 14:30	5	274	9	6.8	0	32.2	47
20/10/2022 14:40	4.9	265	12	6.1	0	32.1	47
20/10/2022 14:50	4.6	265	13	6.5	0	32.3	47
20/10/2022 15:00	4.7	266	12	6.4	0	32.3	47
20/10/2022 15:10	5.4	257	10	6.7	0	31.9	48
20/10/2022 15:20	5.9	256	7	7	0	31.7	49
20/10/2022 15:30	5.7	258	9	7.2	0	31.4	52
20/10/2022 15:40	5.7	265	8	7.3	0	31.1	53
20/10/2022 15:50	5.7	265	9	7.1	0	30.7	56
20/10/2022 16:00	5.5	273	12	7.6	0	30.8	59
20/10/2022 16:10	5.8	267	9	7.1	0	30.3	62



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/10/2022 16:20	6.1	273	7	7.2	0	29.9	63
20/10/2022 16:30	6.1	275	7	7.3	0	29.7	61
20/10/2022 16:40	6.5	274	6	7.7	0	29.5	61
20/10/2022 16:50	5.7	269	11	7.2	0	29.5	61
20/10/2022 17:00	5.5	267	11	7.5	0	29.5	61
20/10/2022 17:10	6.6	263	7	7.9	0	28.6	64
20/10/2022 17:20	6.5	267	7	8.1	0	28.2	65
20/10/2022 17:30	6.9	270	7	8.4	0	27.8	68
20/10/2022 17:40	6.7	271	7	8.7	0	27.4	71
20/10/2022 17:50	5.9	271	9	7.7	0	27.1	72
20/10/2022 18:00	6	274	7	7.8	0	27	74
20/10/2022 18:10	6.3	275	6	7.9	0	26.6	75
20/10/2022 18:20	6.2	271	7	7.9	0	26.3	76
20/10/2022 18:30	5.9	267	7	7.4	0	26.2	76
20/10/2022 18:40	4.8	267	7	6.4	0	26.3	77
20/10/2022 18:50	4.7	267	9	6.2	0	26.2	77
20/10/2022 19:00	5	269	7	7	0	26.1	76
20/10/2022 19:10	5.1	267	6	6.3	0	26.1	76
20/10/2022 19:20	5.3	264	7	6.5	0	26	77
20/10/2022 19:30	5.3	266	6	6.4	0	25.9	78
20/10/2022 19:40	4.5	265	8	6	0	25.8	79
20/10/2022 19:50	4.8	268	8	6.2	0	25.7	79
20/10/2022 20:00	4.4	269	9	6	0	25.7	79
20/10/2022 20:10	5	268	8	6.4	0	25.6	79
20/10/2022 20:20	4.3	271	9	5.7	0	25.7	80
20/10/2022 20:30	5	270	9	7	0	25.6	80
20/10/2022 20:40	5.4	273	6	7.5	0	25.6	80
20/10/2022 20:50	5.7	274	6	7.5	0	25.6	80
20/10/2022 21:00	5.3	272	8	6.9	0	25.6	81
20/10/2022 21:10	5.7	272	6	7.2	0	25.5	82
20/10/2022 21:20	5.7	271	7	7.5	0	25.4	82
20/10/2022 21:30	5.6	273	8	7.6	0	25.3	83
20/10/2022 21:40	5.5	273	8	7.5	0	25.3	83
20/10/2022 21:50	5.6	273	7	7.4	0	25.4	83
20/10/2022 22:00	5.2	275	8	6.7	0	25.3	83
20/10/2022 22:10	4.9	271	7	6.5	0	25.3	83
20/10/2022 22:20	4.8	264	7	6.3	0	25.4	84
20/10/2022 22:30	4.9	256	8	6.8	0	25.3	84
20/10/2022 22:40	5.7	259	7	6.9	0	25.3	83
20/10/2022 22:50	5.7	256	7	7.4	0	25.3	83
20/10/2022 23:00	5.8	257	7	7.6	0	25.2	82
20/10/2022 23:10	5.7	260	6	7.5	0	25.3	81
20/10/2022 23:20	5.2	260	7	7.1	0	25.3	81
20/10/2022 23:30	4.8	259	8	6.7	0	25.2	81
20/10/2022 23:40	5.3	261	7	7	0	25.2	81
20/10/2022 23:50	5.3	258	6	6.6	0	25.3	80
21/10/2022 00:00	4.6	258	7	5.7	0	25.3	80
21/10/2022 00:10	4.5	256	7	5.8	0	25.2	81



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/10/2022 00:20	4.6	252	9	6	0	25.2	81
21/10/2022 00:30	4.5	255	8	6	0	25.3	81
21/10/2022 00:40	5.1	256	7	6.4	0	25.1	82
21/10/2022 00:50	5.3	257	7	7	0	24.9	81
21/10/2022 01:00	5.3	259	7	6.8	0	24.7	80
21/10/2022 01:10	5.7	258	7	7.3	0	24.7	78
21/10/2022 01:20	5.3	258	8	6.9	0	24.8	76
21/10/2022 01:30	4.9	262	8	6.5	0	24.9	75
21/10/2022 01:40	4	266	9	5.3	0	24.9	75
21/10/2022 01:50	4.3	267	6	5.7	0	24.8	76
21/10/2022 02:00	4.3	263	8	5.9	0	24.8	76
21/10/2022 02:10	4.4	260	8	5.8	0	24.7	76
21/10/2022 02:20	4.5	262	8	5.9	0	24.7	76
21/10/2022 02:30	4.6	258	8	5.8	0	24.6	76
21/10/2022 02:40	4.9	259	7	6.2	0	24.5	77
21/10/2022 02:50	5.6	258	6	7.1	0	24.5	76
21/10/2022 03:00	5	257	8	6.6	0	24.4	77
21/10/2022 03:10	5.4	255	9	6.8	0	24.4	78
21/10/2022 03:20	4.8	260	7	6.7	0	24.2	78
21/10/2022 03:30	4.3	255	10	5.5	0	24.2	78
21/10/2022 03:40	4.1	252	11	6.1	0	24.2	78
21/10/2022 03:50	4	253	10	5.7	0	24.3	77
21/10/2022 04:00	4.4	254	10	5.6	0	24.3	77
21/10/2022 04:10	3.9	249	11	5.7	0	24.5	76
21/10/2022 04:20	4	251	10	5.6	0	24.4	75
21/10/2022 04:30	4.1	251	11	5.5	0	24.4	74
21/10/2022 04:40	4.3	256	8	5.6	0	24.2	74
21/10/2022 04:50	4.2	254	9	5.5	0	24.2	74
21/10/2022 05:00	3.9	253	10	5.4	0	24.1	74
21/10/2022 05:10	3.7	255	10	5	0	24	73
21/10/2022 05:20	3.3	258	8	4.3	0	23.9	73
21/10/2022 05:30	3	263	7	4.1	0	23.8	74
21/10/2022 05:40	3.3	257	8	4.3	0	23.8	74
21/10/2022 05:50	3	261	6	3.9	0	23.8	74
21/10/2022 06:00	3	265	6	3.6	0	23.7	74
21/10/2022 06:10	3.1	261	6	3.8	0	23.9	73
21/10/2022 06:20	3.2	260	6	4.2	0	24.3	72
21/10/2022 06:30	3.4	261	8	4.7	0	24.7	70
21/10/2022 06:40	4.1	261	8	5.2	0	25	68
21/10/2022 06:50	3.9	262	8	5	0	25.5	66
21/10/2022 07:00	4	259	10	5.7	0	25.9	63
21/10/2022 07:10	4.1	249	16	6.5	0	26.3	60
21/10/2022 07:20	4.5	245	14	6.2	0	26.6	57
21/10/2022 07:30	4.4	243	14	6	0	26.8	56
21/10/2022 07:40	4.6	245	12	6.2	0	27	54
21/10/2022 07:50	4.5	239	13	6	0	27.1	54
21/10/2022 08:00	4.3	233	13	5.9	0	27.3	55
21/10/2022 08:10	5	230	12	6.4	0	27.3	56



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/10/2022 08:20	5.3	253	12	7.3	0	27.7	55
21/10/2022 08:30	4.9	234	11	6	0	27.9	54
21/10/2022 08:40	4.1	253	14	6.8	0	28.4	54
21/10/2022 08:50	4.7	266	13	6.3	0	28.4	54
21/10/2022 09:00	5.1	268	11	6.8	0	28.4	54
21/10/2022 09:10	4.7	282	10	6.1	0	28.6	56
21/10/2022 09:20	5	277	9	6.3	0	28.8	55
21/10/2022 09:30	5.1	277	9	6.2	0	28.7	54
21/10/2022 09:40	5	280	11	6.3	0	28.9	54
21/10/2022 09:50	5.4	281	8	6.4	0	29	53
21/10/2022 10:00	5	274	9	6.7	0	29.3	53
21/10/2022 10:10	5.4	274	10	6.6	0	29	53
21/10/2022 10:20	5.5	273	7	6.4	0	29	53
21/10/2022 10:30	5.4	267	11	6.7	0	29.7	51
21/10/2022 10:40	5.6	265	9	7	0	29.9	50
21/10/2022 10:50	5.7	279	10	7.1	0	29.9	50
21/10/2022 11:00	5.6	276	9	7.1	0	30.2	49
21/10/2022 11:10	6.2	280	8	7.7	0	30.2	49
21/10/2022 11:20	6.2	277	9	7.8	0	30.3	48
21/10/2022 11:30	6.1	270	10	7.5	0	30.5	49
21/10/2022 11:40	6.2	274	10	8	0	30.7	50
21/10/2022 11:50	6.3	279	12	8.2	0	30.8	50
21/10/2022 12:00	6.8	283	9	8.6	0	30.5	50
21/10/2022 12:10	6.7	282	13	8.8	0	30.8	49
21/10/2022 12:20	7.4	274	10	9.2	0	30.5	49
21/10/2022 12:30	7.4	265	9	9.9	0	30.4	51
21/10/2022 12:40	8.2	271	9	9.8	0	30.1	51
21/10/2022 12:50	8.9	264	7	10.5	0	29.7	50
21/10/2022 13:00	8.4	269	9	10.5	0	29.9	50
21/10/2022 13:10	8.6	274	8	10.7	0	29.8	50
21/10/2022 13:20	8.8	272	8	10.7	0	29.6	49
21/10/2022 13:30	8.6	269	7	10.1	0	29.5	52
21/10/2022 13:40	7.5	268	10	9.9	0	30	51
21/10/2022 13:50	8.4	271	8	10.4	0	29.7	51
21/10/2022 14:00	8.3	271	8	10.8	0	29.7	51
21/10/2022 14:10	8.1	275	9	10.5	0	29.5	54
21/10/2022 14:20	8.4	272	8	10.6	0	29.2	56
21/10/2022 14:30	7.6	273	11	10.6	0	29.3	57
21/10/2022 14:40	9	272	7	11.2	0	28.9	58
21/10/2022 14:50	8.6	273	8	10.6	0	28.8	58
21/10/2022 15:00	8.7	265	10	10.9	0	28.5	59
21/10/2022 15:10	8.8	269	9	10.9	0	28.1	61
21/10/2022 15:20	9.2	273	7	10.8	0	28	61
21/10/2022 15:30	9	271	7	11.1	0	27.7	63
21/10/2022 15:40	8.5	270	8	10.4	0	27.5	65
21/10/2022 15:50	8.1	267	9	10.5	0	27.7	65
21/10/2022 16:00	8.6	276	8	10.5	0	27.6	64
21/10/2022 16:10	8.7	270	7	10.9	0	27.2	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/10/2022 16:20	8.6	270	9	10.3	0	26.8	70
21/10/2022 16:30	8.1	274	9	10.1	0	26.6	71
21/10/2022 16:40	7.5	271	9	10.2	0	26.9	70
21/10/2022 16:50	7.3	272	10	9.9	0	26.9	71
21/10/2022 17:00	6.7	276	11	9.4	0	27	70
21/10/2022 17:10	7.6	272	9	10.7	0	27	68
21/10/2022 17:20	7.1	268	9	9.2	0	27	68
21/10/2022 17:30	7.7	266	7	9.7	0	26.6	70
21/10/2022 17:40	8.1	269	7	10.7	0	26.2	72
21/10/2022 17:50	7.7	266	8	10.4	0	26	73
21/10/2022 18:00	8.3	272	8	10.7	0	25.7	74
21/10/2022 18:10	7.9	272	7	10	0	25.5	77
21/10/2022 18:20	7.6	273	7	9.5	0	25.2	78
21/10/2022 18:30	7.6	274	7	9.6	0	25.1	79
21/10/2022 18:40	7.9	276	6	9.4	0	25	80
21/10/2022 18:50	7	273	8	9.2	0	25	81
21/10/2022 19:00	7	275	7	9	0	24.9	82
21/10/2022 19:10	7.6	273	9	9.2	0	24.9	82
21/10/2022 19:20	6.9	273	7	8.8	0	24.8	83
21/10/2022 19:30	7.6	273	6	9.6	0	24.7	81
21/10/2022 19:40	7.2	273	6	9.1	0	24.9	80
21/10/2022 19:50	6.2	272	8	8.5	0	24.9	78
21/10/2022 20:00	7.5	276	6	9.2	0	24.9	77
21/10/2022 20:10	7.1	273	7	9.1	0	24.9	75
21/10/2022 20:20	6.8	272	7	8.6	0	25	74
21/10/2022 20:30	6.8	272	8	9.3	0	25	72
21/10/2022 20:40	6.5	274	8	8.5	0	25	72
21/10/2022 20:50	7.3	274	7	9.1	0	25.1	72
21/10/2022 21:00	7.3	274	7	9.1	0	25.1	72
21/10/2022 21:10	7.5	269	7	9.4	0	25.1	72
21/10/2022 21:20	7.4	269	7	9.5	0	25.1	70
21/10/2022 21:30	7.3	275	7	9.3	0	25.2	70
21/10/2022 21:40	6.8	271	7	8.9	0	25.2	71
21/10/2022 21:50	6.6	270	7	8.9	0	25.1	73
21/10/2022 22:00	7.1	270	8	9.1	0	25.1	73
21/10/2022 22:10	7	270	7	9.1	0	25.1	73
21/10/2022 22:20	6.8	268	8	9.2	0	25.1	74
21/10/2022 22:30	7.5	265	7	9.6	0	25	75
21/10/2022 22:40	7.2	268	7	9.4	0	25	75
21/10/2022 22:50	7.7	269	7	9.9	0	25	76
21/10/2022 23:00	7.4	266	8	9.5	0	25	77
21/10/2022 23:10	6.5	262	9	8.8	0	24.8	79
21/10/2022 23:20	6.9	263	8	8.8	0	24.7	80
21/10/2022 23:30	7.6	266	8	9.9	0	24.6	81
21/10/2022 23:40	7.4	267	8	9.5	0	24.5	82
21/10/2022 23:50	7	264	8	9.3	0	24.4	83
22/10/2022 00:00	8	260	8	10.6	0	24.3	84
22/10/2022 00:10	7.8	266	9	10.5	0	24.3	84





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/10/2022 00:20	6.9	260	7	9.3	0	24.3	84
22/10/2022 00:30	6.8	264	8	8.9	0	24.2	84
22/10/2022 00:40	7.7	265	7	9.9	0	24.2	83
22/10/2022 00:50	8	263	6	9.9	0	24.3	82
22/10/2022 01:00	7.4	264	8	9.8	0	24.3	82
22/10/2022 01:10	7.7	265	8	10	0	24.3	81
22/10/2022 01:20	6.8	263	8	8.6	0	24.3	80
22/10/2022 01:30	6.5	262	8	8.8	0	24.3	80
22/10/2022 01:40	7.4	261	8	10	0	24.2	79
22/10/2022 01:50	7.7	262	8	10	0	24.3	79
22/10/2022 02:00	7	260	7	9.6	0	24.3	79
22/10/2022 02:10	7.7	262	8	10.2	0	24.2	80
22/10/2022 02:20	7.2	262	8	9.9	0	24.2	80
22/10/2022 02:30	6.7	264	8	9.4	0	24.2	79
22/10/2022 02:40	6.6	262	7	8.5	0	24.3	78
22/10/2022 02:50	7.1	256	7	8.8	0	24.2	77
22/10/2022 03:00	7.3	258	9	9.6	0	24.1	75
22/10/2022 03:10	7.1	256	7	9.1	0	24	73
22/10/2022 03:20	8.3	256	7	10.2	0	23.8	72
22/10/2022 03:30	7.1	256	8	9.7	0	23.5	70
22/10/2022 03:40	7.7	263	7	9.4	0	23.5	70
22/10/2022 03:50	7	254	8	8.8	0	23.4	69
22/10/2022 04:00	7.2	255	7	9.4	0	23.2	68
22/10/2022 04:10	6.8	256	7	8.7	0	23	68
22/10/2022 04:20	6.7	253	8	9	0	22.7	65
22/10/2022 04:30	7.1	256	8	9.4	0	22.4	65
22/10/2022 04:40	5.9	256	9	7.8	0	22.3	65
22/10/2022 04:50	5.9	250	9	8	0	22.2	64
22/10/2022 05:00	6.4	256	8	8.2	0	22	64
22/10/2022 05:10	6	255	8	7.9	0	21.9	64
22/10/2022 05:20	5.3	257	9	6.9	0	21.8	64
22/10/2022 05:30	5.7	259	8	7.6	0	21.7	64
22/10/2022 05:40	5.2	254	10	7.1	0	21.6	65
22/10/2022 05:50	5.1	261	8	6.5	0	21.5	65
22/10/2022 06:00	4.7	263	8	6.2	0	21.5	66
22/10/2022 06:10	4.7	260	9	6.5	0	21.6	65
22/10/2022 06:20	5.7	260	9	7.4	0	21.8	64
22/10/2022 06:30	6.1	257	7	8.2	0	21.9	64
22/10/2022 06:40	6.2	258	7	8.3	0	22	64
22/10/2022 06:50	6	261	8	8	0	22.2	63
22/10/2022 07:00	5.3	256	10	7	0	22.4	63
22/10/2022 07:10	5.7	259	8	7.1	0	22.6	62
22/10/2022 07:20	5.7	264	8	7.2	0	22.8	62
22/10/2022 07:30	5.8	259	8	7.4	0	23.1	61
22/10/2022 07:40	5.7	259	8	7	0	23.2	60
22/10/2022 07:50	5.6	264	9	6.9	0	23.5	60
22/10/2022 08:00	5.9	265	8	7.3	0	23.7	58
22/10/2022 08:10	5.8	270	8	7.1	0	24	58



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/10/2022 08:20	5.2	263	11	7	0	24.4	57
22/10/2022 08:30	5.2	269	10	6.6	0	24.8	55
22/10/2022 08:40	5.4	265	9	7.1	0	24.8	55
22/10/2022 08:50	5.7	274	10	7.1	0	25.3	53
22/10/2022 09:00	5.5	275	12	7	0	25.4	53
22/10/2022 09:10	5.3	282	10	7.1	0	25.6	53
22/10/2022 09:20	5.8	280	8	7.4	0	25.5	55
22/10/2022 09:30	5.5	279	14	7.3	0	25.7	56
22/10/2022 09:40	6.4	279	11	8.3	0	25.5	56
22/10/2022 09:50	6.3	278	10	8.3	0	25.4	57
22/10/2022 10:00	6.7	282	10	8.2	0	25.4	57
22/10/2022 10:10	6.9	280	8	8.9	0	25.5	58
22/10/2022 10:20	6.6	279	10	8.3	0	25.7	58
22/10/2022 10:30	6.6	278	9	8.8	0	26	57
22/10/2022 10:40	6.8	280	11	8.8	0	26	56
22/10/2022 10:50	6.5	276	8	8.4	0	26.1	57
22/10/2022 11:00	6.9	276	8	8.9	0	26	59
22/10/2022 11:10	7.7	277	10	9.9	0	26.1	59
22/10/2022 11:20	7.6	277	9	9.1	0	26.1	60
22/10/2022 11:30	7.6	276	10	9.4	0	26.1	61
22/10/2022 11:40	7.5	281	10	9.3	0	26.4	60
22/10/2022 11:50	7.9	276	8	9.6	0	26.5	60
22/10/2022 12:00	7.6	275	9	9.4	0	27	57
22/10/2022 12:10	8	274	7	9.7	0	27	59
22/10/2022 12:20	7.2	270	11	9.6	0	27.2	62
22/10/2022 12:30	8.2	276	11	10.1	0	26.8	62
22/10/2022 12:40	8	275	8	9.8	0	26.8	61
22/10/2022 12:50	8.1	274	9	10	0	26.8	61
22/10/2022 13:00	7.7	271	11	10.3	0	27.4	60
22/10/2022 13:10	8.5	271	9	10.8	0	26.9	63
22/10/2022 13:20	9.1	274	7	10.9	0	26.7	65
22/10/2022 13:30	9.1	269	8	11.2	0	26.7	66
22/10/2022 13:40	8.8	276	7	11.3	0	26.7	65
22/10/2022 13:50	8.7	269	9	11.1	0	26.8	65
22/10/2022 14:00	9	271	9	11.4	0	26.7	65
22/10/2022 14:10	9.2	273	9	11.2	0	26.7	66
22/10/2022 14:20	9	273	8	11.2	0	26.5	67
22/10/2022 14:30	9	272	8	10.8	0	26.6	66
22/10/2022 14:40	8.6	275	9	11	0	26.5	67
22/10/2022 14:50	8.4	272	10	11	0	26.6	68
22/10/2022 15:00	8.4	270	9	10.6	0	26.4	68
22/10/2022 15:10	8.7	270	10	10.9	0	26.6	66
22/10/2022 15:20	8.4	270	9	10.2	0	26.8	64
22/10/2022 15:30	8.4	262	9	10.2	0	26.5	65
22/10/2022 15:40	8.4	264	9	10.5	0	26.5	66
22/10/2022 15:50	7.7	265	10	10	0	26.8	64
22/10/2022 16:00	8	265	9	10.3	0	26.7	65
22/10/2022 16:10	7.6	267	9	9.9	0	26.7	64



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/10/2022 16:20	7.9	267	10	10.6	0	26.8	64
22/10/2022 16:30	7.4	271	9	9.9	0	26.8	65
22/10/2022 16:40	7.7	271	9	9.8	0	26.3	66
22/10/2022 16:50	7.7	263	9	10.3	0	26.3	66
22/10/2022 17:00	8	268	11	10.1	0	26.2	67
22/10/2022 17:10	6.9	270	9	10.2	0	26.4	67
22/10/2022 17:20	8.2	268	8	10.7	0	25.9	68
22/10/2022 17:30	8.6	263	8	10.7	0	25.6	69
22/10/2022 17:40	7.6	266	8	9.8	0	25.5	70
22/10/2022 17:50	7.8	271	9	10.2	0	25.3	70
22/10/2022 18:00	7.8	271	8	10.2	0	25.1	70
22/10/2022 18:10	6.7	272	7	8.9	0	25.1	72
22/10/2022 18:20	7.2	272	8	9.4	0	24.9	71
22/10/2022 18:30	7.9	274	7	9.8	0	24.8	71
22/10/2022 18:40	7.3	275	8	9.8	0	24.8	72
22/10/2022 18:50	7.7	272	8	9.5	0	24.8	71
22/10/2022 19:00	7	271	8	9.4	0	24.8	71
22/10/2022 19:10	7.3	273	7	9.3	0	24.8	72
22/10/2022 19:20	7.2	273	8	9.6	0	24.8	72
22/10/2022 19:30	7.7	271	7	9.9	0	24.8	73
22/10/2022 19:40	7.4	273	8	9.8	0	24.7	74
22/10/2022 19:50	7.7	273	8	9.8	0	24.6	74
22/10/2022 20:00	7.4	272	7	9.7	0	24.6	75
22/10/2022 20:10	7.2	270	7	9.9	0	24.6	75
22/10/2022 20:20	7.2	273	7	9.8	0	24.6	76
22/10/2022 20:30	8.6	270	6	10.4	0	24.5	76
22/10/2022 20:40	7.7	273	7	9.8	0	24.4	76
22/10/2022 20:50	7	271	7	9.2	0	24.4	76
22/10/2022 21:00	7.5	267	8	9.5	0	24.3	76
22/10/2022 21:10	7.4	267	7	9.8	0	24.4	75
22/10/2022 21:20	8.1	266	7	10.3	0	24.4	75
22/10/2022 21:30	7.6	264	6	9.2	0	24.5	76
22/10/2022 21:40	7	263	7	9.8	0	24.4	77
22/10/2022 21:50	7.7	263	7	9.7	0	24.4	79
22/10/2022 22:00	7.7	262	8	9.6	0	24.3	79
22/10/2022 22:10	8.1	269	7	10.5	0	24.2	81
22/10/2022 22:20	8.4	263	7	10.5	0	24.1	82
22/10/2022 22:30	7.6	260	8	9.7	0	24.1	82
22/10/2022 22:40	7.3	262	6	9.7	0	24	83
22/10/2022 22:50	8.1	261	6	10	0	24	84
22/10/2022 23:00	8.1	261	7	10	0	23.9	84
22/10/2022 23:10	7.7	263	8	10.2	0	23.9	84
22/10/2022 23:20	7	262	7	9	0	23.8	85
22/10/2022 23:30	6.9	264	6	8.8	0	23.8	85
22/10/2022 23:40	6.9	263	7	8.9	0	23.7	85
22/10/2022 23:50	8	264	7	10.1	0	23.7	85
23/10/2022 00:00	7.3	260	8	9.5	0	23.8	84
23/10/2022 00:10	7.1	261	7	9.2	0	23.8	84



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/10/2022 00:20	7.4	261	8	9.7	0	23.8	84
23/10/2022 00:30	7.2	262	8	9.2	0	23.8	83
23/10/2022 00:40	7.7	260	8	10.1	0	23.7	83
23/10/2022 00:50	6.7	262	7	8.6	0	23.7	82
23/10/2022 01:00	7.1	262	7	9.2	0	23.7	83
23/10/2022 01:10	7.7	261	7	9.7	0	23.7	83
23/10/2022 01:20	7.3	261	7	9.1	0	23.7	83
23/10/2022 01:30	7.7	262	6	9.8	0	23.7	83
23/10/2022 01:40	7.3	260	7	9.2	0	23.6	84
23/10/2022 01:50	7.7	260	7	9.4	0	23.6	84
23/10/2022 02:00	7.1	259	7	9.1	0	23.5	85
23/10/2022 02:10	6.3	257	7	7.7	0	23.5	85
23/10/2022 02:20	5.6	257	7	7.7	0	23.2	85
23/10/2022 02:30	5.5	254	8	7	0	23	85
23/10/2022 02:40	5.8	254	8	7.6	0	22.8	85
23/10/2022 02:50	5.9	255	8	7.6	0	22.8	84
23/10/2022 03:00	6.2	252	7	8.2	0	22.8	82
23/10/2022 03:10	6.7	255	8	8.5	0	22.7	80
23/10/2022 03:20	6.7	256	7	9	0	22.5	77
23/10/2022 03:30	6.7	254	7	8.4	0	22.4	76
23/10/2022 03:40	6.2	257	7	8	0	22.2	76
23/10/2022 03:50	6.2	258	8	7.7	0	22.1	76
23/10/2022 04:00	5.9	255	8	7.8	0	21.9	76
23/10/2022 04:10	5.7	258	7	7.1	0	21.8	76
23/10/2022 04:20	5.4	255	8	6.8	0	21.6	76
23/10/2022 04:30	5.5	258	6	6.8	0	21.5	76
23/10/2022 04:40	5.6	258	6	7	0	21.3	76
23/10/2022 04:50	5.2	256	8	6.8	0	21.3	75
23/10/2022 05:00	5.8	256	6	7.5	0	21.2	74
23/10/2022 05:10	5.8	255	7	7.7	0	21.2	74
23/10/2022 05:20	5.1	253	8	6.2	0	21	75
23/10/2022 05:30	5.4	255	7	6.8	0	20.9	75
23/10/2022 05:40	5.5	253	7	7	0	21	75
23/10/2022 05:50	5.1	252	9	6.8	0	21	75
23/10/2022 06:00	4.9	253	7	6.2	0	21.1	75
23/10/2022 06:10	4.9	250	8	6.1	0	21.4	74
23/10/2022 06:20	4.7	250	8	6.3	0	21.7	74
23/10/2022 06:30	5.1	259	9	7.2	0	22	73
23/10/2022 06:40	5.6	259	9	7.1	0	22.2	72
23/10/2022 06:50	5.4	259	9	7.4	0	22.4	72
23/10/2022 07:00	5.1	257	7	6.9	0	22.6	71
23/10/2022 07:10	4.7	255	11	6.1	0	22.9	70
23/10/2022 07:20	5.3	261	10	6.9	0	23.1	69
23/10/2022 07:30	4.9	259	11	6.3	0	23.4	68
23/10/2022 07:40	5.3	265	11	6.9	0	23.7	67
23/10/2022 07:50	5	264	11	6.4	0	24	67
23/10/2022 08:00	5.5	261	10	7	0	24.4	66
23/10/2022 08:10	6.1	266	9	7.6	0	24.3	68



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/10/2022 08:20	6.3	270	10	8.2	0	24.3	68
23/10/2022 08:30	6.3	268	10	8.7	0	24.7	67
23/10/2022 08:40	6.3	267	10	8.5	0	24.9	66
23/10/2022 08:50	7	272	9	9.3	0	25	67
23/10/2022 09:00	8.4	267	7	10	0	24.8	68
23/10/2022 09:10	7.8	267	8	9.6	0	25	67
23/10/2022 09:20	7.5	270	9	9.7	0	25.4	65
23/10/2022 09:30	7.5	269	8	9.7	0	25.5	65
23/10/2022 09:40	7.6	268	9	9.8	0	25.5	63
23/10/2022 09:50	7.1	264	11	9.5	0	26.2	62
23/10/2022 10:00	7.5	273	13	9.2	0	26.1	64
23/10/2022 10:10	7.6	275	9	10	0	26.4	65
23/10/2022 10:20	7.7	272	11	9.6	0	26.2	66
23/10/2022 10:30	8	270	11	10.2	0	26.1	68
23/10/2022 10:40	8.4	270	9	10.8	0	26	67
23/10/2022 10:50	8	270	10	9.8	0	26.3	66
23/10/2022 11:00	7.2	274	11	9.8	0	26.5	68
23/10/2022 11:10	8.2	273	8	9.8	0.1	26.1	69
23/10/2022 11:20	7.9	272	9	9.8	0	26.2	67
23/10/2022 11:30	7.9	267	9	9.9	0	26.6	66
23/10/2022 11:40	7.9	269	9	9.5	0	26.4	66
23/10/2022 11:50	7.7	270	10	9.3	0	26.6	67
23/10/2022 12:00	7.6	274	9	9.3	0	26.9	66
23/10/2022 12:10	7.2	273	11	9.4	0	27.2	65
23/10/2022 12:20	7.1	273	9	9.1	0	27.2	65
23/10/2022 12:30	7	271	12	9.2	0	27.1	65
23/10/2022 12:40	7.5	276	9	9.1	0	27.2	65
23/10/2022 12:50	7.4	276	9	9.1	0	27.3	65
23/10/2022 13:00	7.9	273	10	9.7	0	27.2	65
23/10/2022 13:10	7.9	269	9	9.8	0	27.2	66
23/10/2022 13:20	8.8	272	7	10.9	0	27.2	63
23/10/2022 13:30	8.6	273	8	11.1	0	27.3	60
23/10/2022 13:40	9.2	273	9	11.6	0	27.6	60
23/10/2022 13:50	9.6	272	6	11.2	0	27.2	62
23/10/2022 14:00	8.4	272	11	11.3	0	27.9	60
23/10/2022 14:10	9.5	273	6	11.4	0	27.6	59
23/10/2022 14:20	9.1	275	8	11.3	0	27.5	59
23/10/2022 14:30	8.7	268	6	10.5	0	27.5	59
23/10/2022 14:40	8.2	266	6	10.4	0	27.9	57
23/10/2022 14:50	9	274	7	11.2	0	27.6	59
23/10/2022 15:00	9.4	275	7	11.4	0	27.4	61
23/10/2022 15:10	8.5	269	9	10.7	0	27.6	61
23/10/2022 15:20	8.3	273	9	10.4	0	27.5	63
23/10/2022 15:30	7.8	275	8	10	0	27.8	62
23/10/2022 15:40	8.1	276	10	10.7	0	27.9	59
23/10/2022 15:50	8.8	276	7	10.8	0	27	64
23/10/2022 16:00	8	276	8	10.2	0	27.3	65
23/10/2022 16:10	7.6	280	8	9.9	0	27.4	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/10/2022 16:20	8.4	277	7	10.4	0	27	67
23/10/2022 16:30	8.2	274	8	10.3	0	27.2	63
23/10/2022 16:40	7.8	271	10	10.4	0	27.4	59
23/10/2022 16:50	7.2	269	10	9.4	0	27.2	62
23/10/2022 17:00	7.9	270	9	10.2	0	27.1	61
23/10/2022 17:10	7.9	272	9	10.4	0	26.9	63
23/10/2022 17:20	7.4	271	8	9.9	0	26.8	65
23/10/2022 17:30	7.4	274	9	10.4	0	26.6	66
23/10/2022 17:40	7	270	9	9.9	0	26.2	69
23/10/2022 17:50	7	270	10	9.3	0	26.1	69
23/10/2022 18:00	7.7	273	9	9.7	0	25.5	73
23/10/2022 18:10	8	280	8	10.3	0	25.3	73
23/10/2022 18:20	8.2	278	7	10.1	0	25.1	74
23/10/2022 18:30	8.4	278	7	10.5	0	24.9	73
23/10/2022 18:40	7.1	272	10	9.6	0	25.1	71
23/10/2022 18:50	7.1	276	8	9.7	0	25.1	72
23/10/2022 19:00	7.7	275	9	9.9	0	25	73
23/10/2022 19:10	8	276	8	10.9	0	25	73
23/10/2022 19:20	7.6	273	8	9.8	0	25	75
23/10/2022 19:30	7.4	273	9	10.3	0	24.9	75
23/10/2022 19:40	7.2	272	9	9.5	0	24.9	76
23/10/2022 19:50	6.9	278	7	9	0	24.8	77
23/10/2022 20:00	6.6	279	9	8.6	0	24.7	77
23/10/2022 20:10	7.1	278	8	9.2	0	24.8	76
23/10/2022 20:20	6.1	277	8	8.3	0	24.8	76
23/10/2022 20:30	6.8	276	8	9.3	0	24.8	75
23/10/2022 20:40	7.5	276	9	9.5	0	24.7	76
23/10/2022 20:50	6.7	276	8	9.2	0	24.7	76
23/10/2022 21:00	7.5	273	8	9.6	0	24.6	76
23/10/2022 21:10	7.4	268	8	10.4	0	24.6	76
23/10/2022 21:20	6.8	268	9	9.4	0	24.7	78
23/10/2022 21:30	7.6	267	9	11.2	0	24.6	79
23/10/2022 21:40	8.7	263	8	11.3	0	24.4	82
23/10/2022 21:50	9.3	262	8	11.8	0	24.2	83
23/10/2022 22:00	8.6	262	8	11.7	0	24	83
23/10/2022 22:10	8.6	254	7	11.5	0	23.9	82
23/10/2022 22:20	8	263	8	11	0	23.9	81
23/10/2022 22:30	7.9	263	8	10.6	0	23.9	80
23/10/2022 22:40	8.1	259	7	10.4	0	23.9	80
23/10/2022 22:50	8.3	256	7	11.1	0	23.9	81
23/10/2022 23:00	7.7	258	8	10.8	0	23.8	81
23/10/2022 23:10	7.1	260	8	9.7	0	23.9	81
23/10/2022 23:20	8.2	258	8	10.9	0	23.8	81
23/10/2022 23:30	7.3	259	9	9.6	0	23.8	80
23/10/2022 23:40	7.8	257	7	10	0	23.8	78
23/10/2022 23:50	7.3	257	10	10.1	0	23.7	77
24/10/2022 00:00	7.7	255	8	10.8	0	23.6	76
24/10/2022 00:10	8.1	259	8	10.4	0	23.7	74



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/10/2022 00:20	7.3	257	8	9.8	0	23.5	73
24/10/2022 00:30	7.4	258	8	10.8	0	23.5	73
24/10/2022 00:40	8.2	258	7	10.5	0	23.4	72
24/10/2022 00:50	7.6	255	9	10	0	23.2	72
24/10/2022 01:00	7.5	257	8	10.7	0	23.1	72
24/10/2022 01:10	7	253	10	9.7	0	23.1	72
24/10/2022 01:20	5.8	251	10	8.1	0	23	72
24/10/2022 01:30	6.3	254	8	8.3	0	22.8	72
24/10/2022 01:40	5.4	255	8	7.4	0	22.7	72
24/10/2022 01:50	6.5	253	9	8.5	0	22.7	72
24/10/2022 02:00	6	252	9	7.7	0	22.7	71
24/10/2022 02:10	6.5	251	8	8.1	0	22.6	71
24/10/2022 02:20	6.1	253	9	8	0	22.6	71
24/10/2022 02:30	6.1	254	9	8.5	0	22.4	72
24/10/2022 02:40	6	252	9	8.2	0	22.3	72
24/10/2022 02:50	6.2	252	10	8.4	0	22.1	72
24/10/2022 03:00	6.5	255	8	8.5	0	21.9	72
24/10/2022 03:10	6.8	255	7	9.2	0	21.7	73
24/10/2022 03:20	7.1	256	7	8.9	0	21.5	73
24/10/2022 03:30	6.3	259	8	8.5	0	21.4	74
24/10/2022 03:40	6.3	261	7	8	0	21.3	74
24/10/2022 03:50	5.6	261	7	7.4	0	21.2	74
24/10/2022 04:00	5.7	260	8	7.7	0	21.2	74
24/10/2022 04:10	5.7	261	7	7.8	0	21	74
24/10/2022 04:20	5	259	7	6.8	0	20.9	75
24/10/2022 04:30	4.9	261	8	6.8	0	20.7	75
24/10/2022 04:40	5	260	7	6.6	0	20.7	75
24/10/2022 04:50	5	261	8	6.4	0	20.5	75
24/10/2022 05:00	5.9	260	7	7.7	0	20.4	75
24/10/2022 05:10	5.4	262	7	6.9	0	20.4	75
24/10/2022 05:20	5.6	262	7	7.7	0	20.3	75
24/10/2022 05:30	5.7	261	6	7	0	20.2	75
24/10/2022 05:40	5.3	264	8	6.7	0	20.1	75
24/10/2022 05:50	5.2	262	7	6.7	0	20.1	75
24/10/2022 06:00	4.8	263	8	6.3	0	20.1	75
24/10/2022 06:10	4.8	261	7	6.3	0	20.3	75
24/10/2022 06:20	5	258	8	6.6	0	20.5	74
24/10/2022 06:30	5.4	256	9	7.4	0	20.9	73
24/10/2022 06:40	6	255	9	7.8	0	21.3	72
24/10/2022 06:50	5.8	251	10	7.5	0	21.8	70
24/10/2022 07:00	6	250	11	8.3	0	22	69
24/10/2022 07:10	6.7	244	11	9.3	0	22.2	68
24/10/2022 07:20	6.5	247	11	8.9	0	22.4	67
24/10/2022 07:30	6.8	246	12	10.3	0	22.5	67
24/10/2022 07:40	7.6	247	10	10	0	22.7	66
24/10/2022 07:50	7.2	243	12	9.5	0	23	65
24/10/2022 08:00	7.3	248	11	9.7	0	23.5	64
24/10/2022 08:10	7.6	240	12	10.6	0.1	23.5	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/10/2022 08:20	7.7	237	12	10.5	0	23.7	62
24/10/2022 08:30	6.6	247	13	9.9	0	24.5	60
24/10/2022 08:40	6.5	241	14	8.9	0	25	58
24/10/2022 08:50	7	242	13	8.9	0	25	57
24/10/2022 09:00	6.5	241	15	10.4	0	25.4	55
24/10/2022 09:10	7.5	237	14	9.8	0	25.7	54
24/10/2022 09:20	6.6	239	13	9.6	0	26	53
24/10/2022 09:30	6.9	238	12	10.2	0	26.1	52
24/10/2022 09:40	7	233	18	9.4	0	26.8	50
24/10/2022 09:50	6.8	237	15	9.8	0	26.9	49
24/10/2022 10:00	7.6	230	13	10.7	0.1	27	49
24/10/2022 10:10	6.9	240	14	9.4	0	27.7	46
24/10/2022 10:20	6.7	236	14	9.6	0	28	45
24/10/2022 10:30	6.8	243	12	9	0	28.2	45
24/10/2022 10:40	6.8	239	17	9.9	0	28.6	44
24/10/2022 10:50	6.7	241	15	9.5	0	29.1	42
24/10/2022 11:00	7.3	262	14	9.6	0	28.5	50
24/10/2022 11:10	8.9	277	8	11.5	0	27.6	55
24/10/2022 11:20	8.8	281	8	11.8	0	27.4	58
24/10/2022 11:30	9.2	279	10	12.4	0	27.2	60
24/10/2022 11:40	8.9	278	10	11.9	0	27.6	59
24/10/2022 11:50	9.4	274	11	12.6	0.1	27.6	59
24/10/2022 12:00	9.3	275	9	12.7	0	27.3	62
24/10/2022 12:10	9.6	279	10	12.4	0	27.5	61
24/10/2022 12:20	10.1	275	8	12.6	0	26.9	63
24/10/2022 12:30	10.4	276	9	13.3	0	27	62
24/10/2022 12:40	10.5	274	8	13.6	0	27.2	62
24/10/2022 12:50	10.3	272	10	13.8	0	27.4	60
24/10/2022 13:00	11.3	271	9	14.1	0	27	62
24/10/2022 13:10	11.4	270	10	14.3	0.2	27	62
24/10/2022 13:20	10.4	268	9	14.1	0.1	27.4	61
24/10/2022 13:30	11.6	267	8	14.4	0.2	27	62
24/10/2022 13:40	11.8	265	9	15.2	0	26.9	61
24/10/2022 13:50	11.6	266	8	15.4	0.2	26.9	62
24/10/2022 14:00	11.6	268	10	15.1	0.3	26.8	61
24/10/2022 14:10	11.4	267	10	15.6	0	27	60
24/10/2022 14:20	10.9	269	9	13.4	0	27.1	60
24/10/2022 14:30	10.8	268	10	14.7	0.1	27	61
24/10/2022 14:40	10.7	270	9	14	0	27.2	60
24/10/2022 14:50	11.8	267	9	14.7	0	27.2	60
24/10/2022 15:00	11.2	270	9	14.7	0.1	26.9	61
24/10/2022 15:10	11.3	270	8	15.1	0.1	26.9	61
24/10/2022 15:20	10.8	268	10	15	0	26.7	62
24/10/2022 15:30	10.4	265	8	13.5	0	26.4	62
24/10/2022 15:40	10.1	273	9	13.7	0	26.2	64
24/10/2022 15:50	10.8	268	10	14.3	0.1	26.5	62
24/10/2022 16:00	10.7	264	10	14.3	0.2	26.6	61
24/10/2022 16:10	11.1	266	8	14.1	0.1	26.5	62





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/10/2022 16:20	10.1	267	10	13.6	0	26.6	61
24/10/2022 16:30	11.2	268	9	14.4	0	26.3	60
24/10/2022 16:40	11.1	266	9	14.6	0.3	26.5	58
24/10/2022 16:50	10.9	268	9	13.9	0.2	26.4	59
24/10/2022 17:00	9.9	272	10	13.9	0	26.3	61
24/10/2022 17:10	10.2	270	10	13.9	0	26.1	61
24/10/2022 17:20	10.6	272	10	14.4	0	25.8	63
24/10/2022 17:30	9.8	269	9	13.4	0	25.7	61
24/10/2022 17:40	10.2	267	9	13.2	0	25.7	59
24/10/2022 17:50	9.6	269	9	13.2	0	25.6	59
24/10/2022 18:00	8.6	268	9	11.1	0	25.5	59
24/10/2022 18:10	8.9	264	9	12.7	0.1	25.3	60
24/10/2022 18:20	8	269	9	11.4	0	25.1	61
24/10/2022 18:30	8	273	9	10.6	0	24.9	62
24/10/2022 18:40	8.2	270	9	10.9	0	24.8	60
24/10/2022 18:50	8.4	274	8	10.9	0	24.9	58
24/10/2022 19:00	6.9	275	7	9.7	0	24.9	57
24/10/2022 19:10	7.3	272	9	9.7	0	25	55
24/10/2022 19:20	7.8	274	8	10.8	0	24.9	54
24/10/2022 19:30	8.1	273	8	10.3	0	24.7	56
24/10/2022 19:40	7.5	272	10	10.8	0	24.6	59
24/10/2022 19:50	8.2	270	9	11.2	0	24.4	61
24/10/2022 20:00	8.2	267	8	11.2	0	24.2	64
24/10/2022 20:10	8	268	9	10.8	0	24.1	66
24/10/2022 20:20	8.7	263	8	11.3	0	24	70
24/10/2022 20:30	7.6	265	10	10.5	0	23.9	70
24/10/2022 20:40	8.4	264	8	11.1	0	23.9	71
24/10/2022 20:50	7.8	264	9	10.7	0	23.9	71
24/10/2022 21:00	7.9	264	9	11	0	23.9	71
24/10/2022 21:10	8.2	262	8	10.7	0	23.9	72
24/10/2022 21:20	8	263	8	10.7	0	23.8	73
24/10/2022 21:30	8.8	265	7	11.1	0	23.8	74
24/10/2022 21:40	8	264	9	10.9	0	23.7	75
24/10/2022 21:50	7.8	264	7	10.3	0	23.7	75
24/10/2022 22:00	8.5	266	8	11.9	0	23.5	75
24/10/2022 22:10	8	263	8	10.9	0	23.6	74
24/10/2022 22:20	8.3	263	7	10.6	0	23.7	74
24/10/2022 22:30	7.2	263	9	10.9	0	23.7	75
24/10/2022 22:40	8.1	264	8	10.7	0	23.7	76
24/10/2022 22:50	7.8	265	7	10.3	0	23.8	76
24/10/2022 23:00	7.3	266	8	9.5	0	23.8	77
24/10/2022 23:10	7.6	265	7	10.3	0	23.7	77
24/10/2022 23:20	7.5	264	8	10.1	0	23.7	77
24/10/2022 23:30	7.7	266	8	10.7	0	23.7	78
24/10/2022 23:40	7	259	8	9.4	0	23.6	78
24/10/2022 23:50	7.4	257	9	9.5	0	23.5	79
25/10/2022 00:00	7.8	262	8	10.4	0	23.5	79
25/10/2022 00:10	8.1	263	7	10.4	0	23.4	76



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/10/2022 00:20	7.9	260	7	10.6	0	23.4	75
25/10/2022 00:30	7.6	260	9	10.1	0	23.3	75
25/10/2022 00:40	8	256	7	10.3	0	23.2	75
25/10/2022 00:50	6.2	258	8	7.6	0	23.1	76
25/10/2022 01:00	5.8	258	9	7.8	0	23.1	77
25/10/2022 01:10	5.4	256	8	7.1	0	22.9	78
25/10/2022 01:20	5.6	260	8	7.9	0	22.7	78
25/10/2022 01:30	6.1	256	8	8.1	0	22.7	76
25/10/2022 01:40	6	257	8	8	0	22.6	74
25/10/2022 01:50	6.3	256	8	8.7	0	22.5	73
25/10/2022 02:00	5.5	257	7	7.3	0	22.4	73
25/10/2022 02:10	5.3	257	7	6.8	0	22.2	72
25/10/2022 02:20	5.7	258	7	7.3	0	22.1	70
25/10/2022 02:30	5.4	260	7	6.6	0	22	69
25/10/2022 02:40	5.7	259	8	7.6	0	21.8	67
25/10/2022 02:50	5.4	260	7	6.7	0	21.6	67
25/10/2022 03:00	5.4	263	5	6.4	0	21.5	66
25/10/2022 03:10	5.2	264	6	6.7	0	21.2	66
25/10/2022 03:20	4.9	268	5	5.8	0	21	67
25/10/2022 03:30	4.4	270	5	5.6	0	20.7	68
25/10/2022 03:40	4.3	268	5	5.1	0	20.5	68
25/10/2022 03:50	4.6	267	6	5.4	0	20.5	68
25/10/2022 04:00	4.4	262	7	5.5	0	20.5	68
25/10/2022 04:10	5.2	244	11	7.2	0	21.5	62
25/10/2022 04:20	5.9	239	11	8.6	0	22.1	59
25/10/2022 04:30	6.4	234	10	8.7	0	22.3	58
25/10/2022 04:40	6.6	231	10	9.8	0	22.4	57
25/10/2022 04:50	6.6	233	11	9	0	22.4	55
25/10/2022 05:00	6.2	230	10	8.3	0	22.3	55
25/10/2022 05:10	5	223	13	7	0	22.1	55
25/10/2022 05:20	5.1	215	13	7.4	0	22.1	54
25/10/2022 05:30	5	213	11	6.9	0	22	53
25/10/2022 05:40	5.3	209	11	7.7	0	22	52
25/10/2022 05:50	5.9	209	11	8.1	0	22	50
25/10/2022 06:00	6.1	209	11	8.3	0	22.1	48
25/10/2022 06:10	6.7	209	10	9	0	22.5	46
25/10/2022 06:20	6.4	212	10	8.8	0	22.8	45
25/10/2022 06:30	6.6	210	10	8.9	0	22.9	44
25/10/2022 06:40	6.5	210	9	8.4	0	23	42
25/10/2022 06:50	6.7	212	8	8.6	0	23.2	41
25/10/2022 07:00	5.9	212	9	7.8	0	23.6	39
25/10/2022 07:10	5.4	208	10	7.4	0	24.2	37
25/10/2022 07:20	6	203	11	8	0	24.8	35
25/10/2022 07:30	6	202	10	8.8	0	25.3	34
25/10/2022 07:40	5.6	199	12	7.6	0	25.8	33
25/10/2022 07:50	5.6	195	10	7.3	0	26.2	32
25/10/2022 08:00	5.7	193	10	7.8	0	26.6	31
25/10/2022 08:10	4.6	175	15	6.8	0	27	30



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/10/2022 08:20	4.3	178	13	5.8	0	27.2	29
25/10/2022 08:30	3.7	172	15	5.7	0	27.4	29
25/10/2022 08:40	3.6	168	15	4.7	0	27.7	28
25/10/2022 08:50	3.4	166	18	5	0	28	28
25/10/2022 09:00	3.4	163	19	5.4	0	28.4	27
25/10/2022 09:10	3.4	156	16	4.9	0	28.8	26
25/10/2022 09:20	3.1	142	19	5.8	0	29.3	27
25/10/2022 09:30	2.7	150	22	5.2	0	29.6	27
25/10/2022 09:40	3.8	117	14	5.3	0	30	28
25/10/2022 09:50	2.8	137	22	4.5	0	30.8	24
25/10/2022 10:00	2.3	187	26	4.5	0	30.6	22
25/10/2022 10:10	3.3	188	21	5	0	30.3	21
25/10/2022 10:20	3.6	213	23	5.3	0	30.8	20
25/10/2022 10:30	3.3	189	20	5.2	0	30.8	19
25/10/2022 10:40	3.7	225	32	5.4	0	30.9	20
25/10/2022 10:50	3.8	204	19	5.8	0	30.8	20
25/10/2022 11:00	3.8	251	22	5.5	0	31.3	19
25/10/2022 11:10	2.6	217	33	5.2	0	31.3	18
25/10/2022 11:20	3.4	217	35	6.3	0	31.5	19
25/10/2022 11:30	3	201	39	5	0	31.9	19
25/10/2022 11:40	3.3	197	21	5.9	0	31.8	18
25/10/2022 11:50	3.4	217	24	6.9	0	31.9	18
25/10/2022 12:00	3	254	17	6.6	0	32.2	18
25/10/2022 12:10	5.4	282	13	7	0	32.1	19
25/10/2022 12:20	5.3	273	13	7	0	32.3	19
25/10/2022 12:30	5.4	288	13	7	0	32	20
25/10/2022 12:40	5.5	289	11	7.2	0	31.8	20
25/10/2022 12:50	5.3	288	10	7.5	0	31.8	20
25/10/2022 13:00	5.3	294	10	7.2	0	32	20
25/10/2022 13:10	5.3	279	14	6.7	0	32.1	20
25/10/2022 13:20	5.6	275	14	7.3	0	32.3	21
25/10/2022 13:30	5.1	292	15	6.7	0	31.8	23
25/10/2022 13:40	5.5	295	13	7.4	0	31.5	27
25/10/2022 13:50	6.5	297	10	8.6	0	31.2	27
25/10/2022 14:00	7	294	9	9	0	31	26
25/10/2022 14:10	7	290	9	9.3	0	30.9	26
25/10/2022 14:20	6.2	291	13	8.4	0	31.2	28
25/10/2022 14:30	6.4	290	11	8.4	0	31	29
25/10/2022 14:40	7.1	288	8	8.9	0	30.2	31
25/10/2022 14:50	6.3	285	11	8.7	0	30.7	29
25/10/2022 15:00	5.3	302	15	7.3	0	30.8	31
25/10/2022 15:10	6.4	315	11	9.4	0	29.9	32
25/10/2022 15:20	4.9	318	16	7.8	0	30.6	31
25/10/2022 15:30	5.7	300	16	8.2	0	30.4	29
25/10/2022 15:40	6.4	309	10	8.6	0	29.7	30
25/10/2022 15:50	5.5	298	12	7.6	0	30	29
25/10/2022 16:00	6.1	306	14	8.7	0	29.6	31
25/10/2022 16:10	6.1	309	12	8.8	0	29.4	32



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/10/2022 16:20	5.7	307	14	9.1	0	29.5	32
25/10/2022 16:30	6.1	298	14	8.8	0	29.4	33
25/10/2022 16:40	7	288	9	9.4	0	29.1	33
25/10/2022 16:50	7.1	289	8	9.4	0	28.9	33
25/10/2022 17:00	7.4	288	8	9.4	0	28.6	37
25/10/2022 17:10	7.4	290	8	9.3	0	28.2	41
25/10/2022 17:20	6.9	291	8	8.8	0	27.9	41
25/10/2022 17:30	6.8	294	8	8.8	0	27.8	43
25/10/2022 17:40	6.8	293	7	8.7	0	27.6	43
25/10/2022 17:50	6.7	296	7	8.2	0	27.5	43
25/10/2022 18:00	6.5	295	8	8.5	0	27.3	43
25/10/2022 18:10	5.8	284	10	7.6	0	27	47
25/10/2022 18:20	6.2	277	8	8.3	0	26.6	46
25/10/2022 18:30	5.7	276	8	7.7	0	26.4	46
25/10/2022 18:40	5.1	279	9	7	0	26.3	49
25/10/2022 18:50	6.4	277	9	9.1	0	26.1	50
25/10/2022 19:00	6.5	277	10	8.8	0	25.9	53
25/10/2022 19:10	6.6	274	8	8.4	0	25.5	58
25/10/2022 19:20	7.8	274	8	10.4	0	25.4	58
25/10/2022 19:30	7.6	277	8	10.1	0	25.2	60
25/10/2022 19:40	6.3	276	10	8.5	0	25.1	60
25/10/2022 19:50	6.8	275	8	9.1	0	25.1	60
25/10/2022 20:00	6.6	278	8	8.6	0	25	60
25/10/2022 20:10	7	275	7	9.3	0	25	59
25/10/2022 20:20	7.4	275	8	10	0	25	60
25/10/2022 20:30	6.8	275	8	10.3	0	24.9	61
25/10/2022 20:40	7.4	274	7	9.7	0	24.9	61
25/10/2022 20:50	7.1	277	7	9.5	0	24.8	62
25/10/2022 21:00	7.1	276	8	9.1	0	24.8	62
25/10/2022 21:10	6.1	274	7	8.5	0	24.7	63
25/10/2022 21:20	6	278	8	8.8	0	24.6	64
25/10/2022 21:30	5.7	276	8	7.5	0	24.5	65
25/10/2022 21:40	5.9	277	6	7.6	0	24.5	65
25/10/2022 21:50	5.8	281	7	8.1	0	24.5	65
25/10/2022 22:00	5.4	286	9	7.7	0	24.5	66
25/10/2022 22:10	5.2	286	8	7.7	0	24.5	66
25/10/2022 22:20	6	281	8	8.3	0	24.4	67
25/10/2022 22:30	5.9	279	9	7.9	0	24.4	67
25/10/2022 22:40	5.8	282	8	7.8	0	24.4	67
25/10/2022 22:50	5.1	283	8	6.9	0	24.3	69
25/10/2022 23:00	5	281	8	7.3	0	24.3	70
25/10/2022 23:10	5.2	279	8	7	0	24.2	71
25/10/2022 23:20	5.4	279	8	7.4	0	24.1	72
25/10/2022 23:30	5.6	279	8	7.5	0	24.1	73
25/10/2022 23:40	5	283	7	6.3	0	24.1	74
25/10/2022 23:50	4.9	286	7	6.8	0	24.1	75
26/10/2022 00:00	5.3	288	8	6.8	0	24	76
26/10/2022 00:10	5.4	284	6	7	0	24	77



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/10/2022 00:20	4.6	283	7	5.9	0	23.9	78
26/10/2022 00:30	4.5	281	8	6	0	23.7	80
26/10/2022 00:40	4.5	279	6	5.9	0	23.6	81
26/10/2022 00:50	4.3	278	6	5.4	0	23.5	82
26/10/2022 01:00	4.1	283	5	5.2	0	23.5	82
26/10/2022 01:10	4.1	283	5	4.8	0	23.4	83
26/10/2022 01:20	4.4	275	5	5.2	0	22.9	81
26/10/2022 01:30	4	276	4	4.9	0	22.7	78
26/10/2022 01:40	3.5	278	4	4.2	0	22.6	76
26/10/2022 01:50	3.1	279	4	3.6	0	22.5	75
26/10/2022 02:00	3.1	275	5	3.7	0	22.3	75
26/10/2022 02:10	2.9	272	4	3.4	0	21.9	75
26/10/2022 02:20	2.7	270	3	3.2	0	21.6	76
26/10/2022 02:30	2.8	268	3	3.2	0	21.2	76
26/10/2022 02:40	2.9	262	3	3.8	0	21.2	75
26/10/2022 02:50	2.9	259	2	3.5	0	21.1	75
26/10/2022 03:00	3.1	260	3	3.4	0	21.2	74
26/10/2022 03:10	2.9	252	6	3.3	0	21.2	71
26/10/2022 03:20	2.6	264	7	3.1	0	21.3	67
26/10/2022 03:30	3.3	279	4	4	0	21.5	58
26/10/2022 03:40	3.8	276	4	4.4	0	21.9	53
26/10/2022 03:50	3.5	275	8	4.1	0	22.5	48
26/10/2022 04:00	2.9	275	8	3.5	0	22.2	45
26/10/2022 04:10	2.7	266	13	3.6	0	22.3	44
26/10/2022 04:20	2.8	257	15	3.5	0	22.4	43
26/10/2022 04:30	2.7	265	8	3.4	0	22.2	43
26/10/2022 04:40	2.5	271	13	3.2	0	22.3	41
26/10/2022 04:50	2.3	264	23	3	0	22.1	40
26/10/2022 05:00	2.3	226	44	3.6	0	23.4	35
26/10/2022 05:10	2.9	220	18	4	0	24	31
26/10/2022 05:20	2.5	216	17	3.1	0	24.4	29
26/10/2022 05:30	1.5	217	17	2.9	0	24	29
26/10/2022 05:40	0.8	212	10	2.5	0	24	28
26/10/2022 05:50	0.4	176	8	2	0	23.6	27
26/10/2022 06:00	0.5	180	25	1.2	0	24	26
26/10/2022 06:10	1.6	167	13	2.7	0	24.6	26
26/10/2022 06:20	2.1	173	14	3.1	0	24.8	26
26/10/2022 06:30	1.4	175	13	3.3	0	25.2	26
26/10/2022 06:40	2.2	175	11	3.4	0	25.2	26
26/10/2022 06:50	1.8	177	13	2.8	0	25.5	25
26/10/2022 07:00	2.2	177	14	3.1	0	26.1	24
26/10/2022 07:10	2.6	183	10	3.4	0	26	24
26/10/2022 07:20	2.3	181	14	3.5	0	26.3	23
26/10/2022 07:30	2.7	173	15	4	0	26.6	23
26/10/2022 07:40	2.3	163	17	3.6	0	26.9	22
26/10/2022 07:50	2.8	147	15	4.7	0	27.5	20
26/10/2022 08:00	2.7	149	15	4	0	27.7	20
26/10/2022 08:10	2.1	145	15	3.3	0	28.3	20



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/10/2022 08:20	2.8	138	17	3.9	0	28.7	19
26/10/2022 08:30	2.9	141	19	4.4	0	28.6	20
26/10/2022 08:40	3.2	122	17	5.5	0	29	21
26/10/2022 08:50	3.4	122	16	5.2	0	28.7	22
26/10/2022 09:00	3.3	113	12	5.3	0	28.6	23
26/10/2022 09:10	3	116	14	4.5	0	28.9	24
26/10/2022 09:20	3.1	113	14	4.6	0	29.4	24
26/10/2022 09:30	3.6	97	12	5	0	29.7	24
26/10/2022 09:40	4.8	86	8	6.5	0	30.1	23
26/10/2022 09:50	4.5	91	10	6.6	0	30.5	24
26/10/2022 10:00	4.9	84	11	7.2	0	30.7	24
26/10/2022 10:10	4.8	85	10	6.9	0	30.9	24
26/10/2022 10:20	5	84	12	7	0	31.4	23
26/10/2022 10:30	5.5	80	10	7.3	0	31.6	22
26/10/2022 10:40	5.3	80	10	7.2	0	32	22
26/10/2022 10:50	6.3	72	8	8.8	0	31.9	20
26/10/2022 11:00	6.8	76	9	8.5	0	32.1	20
26/10/2022 11:10	5.7	71	11	7.4	0	32.6	21
26/10/2022 11:20	5.9	75	12	8.5	0	32.7	21
26/10/2022 11:30	6.5	71	12	8.7	0	32.3	21
26/10/2022 11:40	6	63	11	8.6	0	32.6	21
26/10/2022 11:50	6.8	57	9	9	0	32.2	21
26/10/2022 12:00	6.1	64	12	7.9	0	32.8	20
26/10/2022 12:10	6.9	59	11	9.5	0	32.5	20
26/10/2022 12:20	6.3	58	14	8.6	0	32.5	21
26/10/2022 12:30	6.5	52	8	8.1	0	32.6	21
26/10/2022 12:40	6.9	53	11	9.2	0	32.7	19
26/10/2022 12:50	6.9	55	11	9.4	0	32.7	19
26/10/2022 13:00	6.6	56	10	8.9	0	32.9	18
26/10/2022 13:10	7.1	56	9	9	0	33	18
26/10/2022 13:20	7.3	56	11	9.7	0	33	18
26/10/2022 13:30	7.6	57	10	9.8	0	32.9	17
26/10/2022 13:40	7.9	55	9	10.1	0	32.8	18
26/10/2022 13:50	8.4	56	8	10.6	0	32.6	18
26/10/2022 14:00	9.3	60	8	11.4	0	32.5	18
26/10/2022 14:10	9	58	10	12.3	0	32.4	20
26/10/2022 14:20	8.3	60	9	11.9	0	32.2	22
26/10/2022 14:30	8.5	59	10	10.9	0	32.4	22
26/10/2022 14:40	8.5	59	8	11.1	0	32.4	21
26/10/2022 14:50	7.8	60	9	9.4	0	32.7	21
26/10/2022 15:00	7.3	57	10	9.6	0	32.8	22
26/10/2022 15:10	5.4	35	14	8.4	0	33.7	21
26/10/2022 15:20	5.9	12	13	8	0	32.7	27
26/10/2022 15:30	6	181	12	7.8	0	31.9	30
26/10/2022 15:40	6.4	180	11	8.1	0	31	34
26/10/2022 15:50	6.3	356	14	7.9	0	30.7	35
26/10/2022 16:00	5.9	182	12	7.7	0	30.5	35
26/10/2022 16:10	5.6	359	12	7.5	0	30.3	35



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/10/2022 16:20	5.8	8	11	7.4	0	30.3	33
26/10/2022 16:30	4.4	348	13	6.4	0	30.2	38
26/10/2022 16:40	4.8	333	13	6.6	0	29.3	42
26/10/2022 16:50	5	337	11	7.1	0	29.4	40
26/10/2022 17:00	6.5	348	11	8.3	0	28.8	40
26/10/2022 17:10	6.5	347	12	8.1	0	28.3	45
26/10/2022 17:20	5.7	325	9	7.6	0	28	47
26/10/2022 17:30	4.2	310	16	6.3	0	28	48
26/10/2022 17:40	4.6	297	11	5.8	0	27.9	47
26/10/2022 17:50	4.4	320	10	5.4	0	27.6	50
26/10/2022 18:00	5	327	6	6.5	0	27.2	51
26/10/2022 18:10	4	321	9	5.3	0	27.1	52
26/10/2022 18:20	4.2	318	9	5.5	0	26.8	55
26/10/2022 18:30	4.3	324	7	5.5	0	26.7	56
26/10/2022 18:40	3.6	315	9	5	0	26.7	55
26/10/2022 18:50	3.8	305	9	4.9	0	26.7	53
26/10/2022 19:00	3.4	310	9	4.7	0	26.8	51
26/10/2022 19:10	3.2	296	11	3.9	0	26.8	47
26/10/2022 19:20	2.9	276	8	4	0	26.3	52
26/10/2022 19:30	3.5	277	8	4.5	0	25.8	58
26/10/2022 19:40	4.1	272	6	5.2	0	25.8	58
26/10/2022 19:50	4.1	274	4	4.9	0	25.7	59
26/10/2022 20:00	3.4	276	5	4	0	25.6	59
26/10/2022 20:10	3.5	277	5	4.2	0	25.6	59
26/10/2022 20:20	3.4	271	5	4.2	0	25.5	60
26/10/2022 20:30	3.4	272	5	4	0	25.2	62
26/10/2022 20:40	3.9	273	5	4.8	0	25.2	61
26/10/2022 20:50	3.9	270	5	4.7	0	25.3	64
26/10/2022 21:00	3.8	265	5	4.7	0	25	67
26/10/2022 21:10	3.9	263	6	4.8	0	25.1	65
26/10/2022 21:20	3.7	264	7	4.7	0	24.9	65
26/10/2022 21:30	4.3	262	7	5.2	0	25	64
26/10/2022 21:40	4.7	262	7	6.5	0	24.9	64
26/10/2022 21:50	4	267	6	5.3	0	24.8	65
26/10/2022 22:00	4.2	266	5	5.4	0	24.7	65
26/10/2022 22:10	3.5	271	6	4.4	0	24.4	66
26/10/2022 22:20	3.5	269	7	4.7	0	24.2	66
26/10/2022 22:30	3.6	264	7	4.7	0	24.1	67
26/10/2022 22:40	3.9	264	7	4.9	0	24.1	69
26/10/2022 22:50	3.8	263	6	4.7	0	24	69
26/10/2022 23:00	4.3	263	6	5.5	0	24	69
26/10/2022 23:10	4.4	260	8	5.6	0	24.1	69
26/10/2022 23:20	4.4	261	8	6.2	0	23.9	70
26/10/2022 23:30	5.2	260	7	6.4	0	24	70
26/10/2022 23:40	4.7	257	7	5.9	0	23.9	71
26/10/2022 23:50	4.8	257	6	6.2	0	23.9	72
27/10/2022 00:00	4.6	260	7	5.7	0	23.9	73
27/10/2022 00:10	4.5	261	6	5.7	0	23.9	73



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/10/2022 00:20	4.8	263	6	5.9	0	23.8	74
27/10/2022 00:30	4.7	263	7	6.1	0	23.9	74
27/10/2022 00:40	4.7	263	7	5.9	0	23.8	74
27/10/2022 00:50	4.6	264	6	5.8	0	23.8	74
27/10/2022 01:00	4.9	264	7	6.4	0	23.8	75
27/10/2022 01:10	4.7	263	8	6.2	0	23.8	75
27/10/2022 01:20	4.8	262	7	6.2	0	23.7	75
27/10/2022 01:30	4.7	265	6	6.3	0	23.6	76
27/10/2022 01:40	4.9	265	6	6.4	0	23.6	76
27/10/2022 01:50	5.3	263	8	6.7	0	23.5	75
27/10/2022 02:00	5	264	7	6.5	0	23.5	73
27/10/2022 02:10	5.1	264	7	6.5	0	23.5	71
27/10/2022 02:20	5.8	262	7	7.1	0	23.5	67
27/10/2022 02:30	5.1	262	8	6.3	0	23.4	67
27/10/2022 02:40	5.1	262	7	6.2	0	23.3	66
27/10/2022 02:50	5.4	264	7	6.9	0	23.2	65
27/10/2022 03:00	5.6	263	8	7.2	0	23.2	63
27/10/2022 03:10	5.7	262	7	7.2	0	23.1	64
27/10/2022 03:20	5.3	261	6	6.8	0	23	63
27/10/2022 03:30	5.8	259	8	7.3	0	23	62
27/10/2022 03:40	5.4	259	8	7	0	22.9	62
27/10/2022 03:50	5.5	259	8	6.9	0	22.8	62
27/10/2022 04:00	4.6	260	8	6.2	0	22.7	62
27/10/2022 04:10	4	259	8	5.3	0	22.4	63
27/10/2022 04:20	4.1	262	6	5.4	0	22.3	63
27/10/2022 04:30	4.7	261	7	6.3	0	22.3	62
27/10/2022 04:40	4.3	259	8	5.6	0	22	63
27/10/2022 04:50	3.9	263	7	5.1	0	21.8	63
27/10/2022 05:00	4.3	261	6	5.3	0	21.7	63
27/10/2022 05:10	4.5	263	7	5.5	0	21.6	63
27/10/2022 05:20	4.4	261	6	5.5	0	21.4	64
27/10/2022 05:30	4.4	261	6	5.5	0	21.3	63
27/10/2022 05:40	4.5	262	6	5.4	0	21.2	62
27/10/2022 05:50	4.1	262	5	4.8	0	21.1	61
27/10/2022 06:00	3.6	265	6	4.8	0	21.2	61
27/10/2022 06:10	3.5	260	6	4.7	0	21.5	61
27/10/2022 06:20	3.8	264	7	5	0	21.7	60
27/10/2022 06:30	4	260	7	5	0	22.1	59
27/10/2022 06:40	4.3	260	8	5.4	0	22.3	59
27/10/2022 06:50	4.1	263	10	5.2	0	22.6	58
27/10/2022 07:00	4.6	263	8	5.8	0	22.8	57
27/10/2022 07:10	4.4	260	8	5.7	0	23	55
27/10/2022 07:20	4.3	255	8	5.3	0	23.3	55
27/10/2022 07:30	4	261	8	5	0	23.7	55
27/10/2022 07:40	4.3	267	8	5.1	0	23.9	51
27/10/2022 07:50	3.8	265	12	4.9	0	24.2	50
27/10/2022 08:00	3.5	260	11	4.4	0	24.5	51
27/10/2022 08:10	3.8	278	13	4.9	0	24.8	52





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/10/2022 08:20	4.2	282	8	5.3	0.1	24.7	51
27/10/2022 08:30	3.7	279	12	5	0	24.9	51
27/10/2022 08:40	3.7	282	12	4.9	0	25.1	49
27/10/2022 08:50	3.5	272	14	4.6	0	25.4	48
27/10/2022 09:00	3.6	277	14	5	0	25.7	46
27/10/2022 09:10	3.9	278	12	4.9	0	26	46
27/10/2022 09:20	4.5	275	11	5.5	0	25.8	48
27/10/2022 09:30	4.5	272	10	6.1	0	25.7	49
27/10/2022 09:40	4.5	269	11	6	0	26.1	49
27/10/2022 09:50	4.8	269	13	6.4	0	26.1	50
27/10/2022 10:00	5.3	263	8	6.6	0	26.3	49
27/10/2022 10:10	5.3	270	10	6.8	0	26.1	49
27/10/2022 10:20	5.5	266	11	7	0	26.2	50
27/10/2022 10:30	5.2	271	10	7	0	26.4	49
27/10/2022 10:40	5.6	271	10	7.2	0	26.4	50
27/10/2022 10:50	5.3	273	12	7.1	0	26.8	49
27/10/2022 11:00	5.4	265	13	7.8	0	26.5	52
27/10/2022 11:10	5.6	269	13	7.6	0	27	51
27/10/2022 11:20	6	270	8	7.8	0	26.8	51
27/10/2022 11:30	5.4	270	12	7.3	0	27	51
27/10/2022 11:40	4.9	275	12	6.6	0	28.5	49
27/10/2022 11:50	5	281	13	6.6	0	27.2	68
27/10/2022 12:00	4.5	293	17	6.7	0	24.8	88
27/10/2022 12:10	5	284	20	7.7	0	24.5	91
27/10/2022 12:20	5.3	292	18	8	0	29.1	60
27/10/2022 12:30	5.2	301	15	7.2	0	31.1	51
27/10/2022 12:40	5.9	317	10	7.4	0	31.3	47
27/10/2022 12:50	5.1	317	14	6.6	0	31.2	42
27/10/2022 13:00	5.4	319	14	7.4	0	30.9	41
27/10/2022 13:10	6	314	8	7.1	0	30.7	41
27/10/2022 13:20	5	315	14	7	0	30.4	41
27/10/2022 13:30	5.8	317	13	7.6	0	30.4	40
27/10/2022 13:40	6.3	323	12	8.2	0	30	40
27/10/2022 13:50	6.1	325	12	8.8	0	29.8	40
27/10/2022 14:00	6.1	317	11	8.3	0	29.5	40
27/10/2022 14:10	6.8	310	9	9.2	0	24.1	44
27/10/2022 14:20	5.8	315	12	7.9	0	20.9	49
27/10/2022 14:30	5.9	316	13	8.8	0	12.1	55
27/10/2022 14:40	6.1	316	13	9.2	0	-20.9	-3
27/10/2022 14:50	4.9	314	12	7.4	0.2	30.3	60
27/10/2022 15:00	7	313	7	8.6	0	35.4	56
27/10/2022 15:10	6	314	12	8.1	0	29.6	53
27/10/2022 15:20	5.7	312	14	8.1	0	26.4	61
27/10/2022 15:30	5.9	312	13	8.3	0	26.3	61
27/10/2022 15:40	5.4	313	12	7.6	0	26.6	61
27/10/2022 15:50	6.7	313	9	8.6	0	25.8	63
27/10/2022 16:00	5.8	311	12	8.8	0	25.9	64
27/10/2022 16:10	6.2	310	11	8.5	0	25.8	64



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/10/2022 16:20	5.9	313	16	8.9	0	25.9	65
27/10/2022 16:30	6.2	310	15	8.5	0	25.6	67
27/10/2022 16:40	7	318	12	9.3	0	25.4	70
27/10/2022 16:50	6.2	313	12	9	0	25.4	70
27/10/2022 17:00	6.5	314	10	8.3	0	25.4	70
27/10/2022 17:10	6.7	310	12	9	0	25.2	70
27/10/2022 17:20	5.8	308	13	8.6	0	25.3	68
27/10/2022 17:30	5	297	14	7.6	0	25.6	65
27/10/2022 17:40	5.8	309	12	8.1	0	25.3	65
27/10/2022 17:50	5.4	302	15	7.5	0	25.1	66
27/10/2022 18:00	5.6	297	12	8	0	24.9	68
27/10/2022 18:10	5.4	300	13	7.9	0	24.7	69
27/10/2022 18:20	5.1	306	13	7.1	0	24.5	69
27/10/2022 18:30	6.5	290	10	9	0	24.3	69
27/10/2022 18:40	6.6	289	8	8.4	0	24.2	68
27/10/2022 18:50	5.9	287	7	7.8	0	24.1	68
27/10/2022 19:00	6.3	286	7	8.4	0	24	69
27/10/2022 19:10	6	287	8	7.8	0	24	70
27/10/2022 19:20	6	286	8	7.7	0	23.9	70
27/10/2022 19:30	6	285	8	7.8	0	24	71
27/10/2022 19:40	5	284	8	6.9	0	23.9	71
27/10/2022 19:50	5.4	287	9	7.4	0	23.9	72
27/10/2022 20:00	5.8	292	8	7.7	0	23.8	73
27/10/2022 20:10	5.4	290	9	7.4	0	23.8	73
27/10/2022 20:20	4.8	291	8	6.4	0	23.8	73
27/10/2022 20:30	5.6	291	7	7.8	0	23.7	73
27/10/2022 20:40	5.6	289	10	7.9	0	23.7	74
27/10/2022 20:50	5.8	291	8	7.3	0	23.6	74
27/10/2022 21:00	5.7	294	8	7.5	0	23.6	75
27/10/2022 21:10	5.6	294	7	7.3	0	23.6	76
27/10/2022 21:20	5	293	10	6.9	0	23.5	76
27/10/2022 21:30	5.3	292	8	6.9	0	23.5	77
27/10/2022 21:40	4.7	289	10	6.6	0	23.4	77
27/10/2022 21:50	4.7	290	10	6.5	0	23.4	77
27/10/2022 22:00	4.9	286	9	6.5	0	23.3	77
27/10/2022 22:10	5	283	10	7.1	0	23.3	77
27/10/2022 22:20	5	280	9	7	0	23.3	78
27/10/2022 22:30	5.8	283	9	7.6	0	23.3	77
27/10/2022 22:40	6.4	278	8	8.5	0	23.3	76
27/10/2022 22:50	6.3	277	8	8.4	0	23.3	76
27/10/2022 23:00	5.7	274	8	8.3	0	23.2	76
27/10/2022 23:10	6.6	272	10	9.3	0	23.2	76
27/10/2022 23:20	5.9	276	9	8	0	23.2	75
27/10/2022 23:30	6.1	271	9	8.3	0	23.2	75
27/10/2022 23:40	5.9	272	10	7.8	0	23.1	75
27/10/2022 23:50	6.9	277	7	9.2	0	23	76
28/10/2022 00:00	6.4	281	8	9.1	0	22.9	75
28/10/2022 00:10	5.9	279	8	8.1	0	22.9	76



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/10/2022 00:20	7.6	276	9	9.8	0	22.9	75
28/10/2022 00:30	7.5	277	8	9.3	0	22.9	76
28/10/2022 00:40	7.2	275	8	9.6	0	22.8	76
28/10/2022 00:50	7.1	276	8	9.3	0	22.9	78
28/10/2022 01:00	6.9	276	9	9.1	0	22.9	78
28/10/2022 01:10	6.8	267	7	9.8	0	22.9	76
28/10/2022 01:20	7.4	270	8	10	0	22.9	77
28/10/2022 01:30	7	273	9	8.9	0	22.8	77
28/10/2022 01:40	6.7	270	9	9.2	0	22.8	77
28/10/2022 01:50	6.8	273	9	9.2	0	22.8	77
28/10/2022 02:00	6.7	267	8	9.3	0	22.8	76
28/10/2022 02:10	6.6	271	8	8.7	0	22.8	76
28/10/2022 02:20	6.3	270	10	8.9	0	22.8	76
28/10/2022 02:30	6.8	269	9	9.3	0	22.8	76
28/10/2022 02:40	6.4	268	10	9	0	22.8	76
28/10/2022 02:50	6.2	264	9	8.4	0	22.9	76
28/10/2022 03:00	6.3	263	8	8.9	0	22.8	76
28/10/2022 03:10	6.2	264	9	8.7	0	22.9	76
28/10/2022 03:20	6.1	264	10	8.1	0	22.8	76
28/10/2022 03:30	6.4	256	8	8.6	0	22.6	75
28/10/2022 03:40	7.1	260	8	9.3	0	22.5	75
28/10/2022 03:50	6	258	8	8.5	0	22.5	75
28/10/2022 04:00	5.5	260	10	8.2	0	22.4	77
28/10/2022 04:10	5.9	255	8	8	0	22.3	75
28/10/2022 04:20	5.3	261	8	7.2	0	22.3	75
28/10/2022 04:30	5.7	258	8	7	0	22.2	74
28/10/2022 04:40	5	257	8	7.2	0	22	74
28/10/2022 04:50	4.5	254	9	6.3	0	21.9	75
28/10/2022 05:00	4.2	255	8	5.8	0	21.6	76
28/10/2022 05:10	3.9	253	8	5.1	0	21.3	75
28/10/2022 05:20	3.8	252	11	5.1	0	21.3	72
28/10/2022 05:30	4.3	259	7	5.2	0	20.9	73
28/10/2022 05:40	4.3	257	6	5.3	0	20.8	73
28/10/2022 05:50	4.3	257	8	5.5	0	20.8	72
28/10/2022 06:00	4.6	255	8	6.3	0	20.9	70
28/10/2022 06:10	4.8	256	9	6.4	0	21.1	69
28/10/2022 06:20	4.9	258	7	6.9	0	21.3	69
28/10/2022 06:30	5.3	258	7	7.2	0	21.6	67
28/10/2022 06:40	5.5	258	8	7.2	0	21.8	66
28/10/2022 06:50	5.8	257	9	7.5	0	21.9	65
28/10/2022 07:00	5.6	260	9	7.2	0	22.3	64
28/10/2022 07:10	5.7	257	9	7.4	0	22.5	64
28/10/2022 07:20	6.3	257	8	8.5	0	22.5	64
28/10/2022 07:30	6.9	259	8	8.7	0	22.5	65
28/10/2022 07:40	7	258	8	8.6	0	22.6	65
28/10/2022 07:50	6.2	261	10	8.6	0	23.2	63
28/10/2022 08:00	6.8	265	11	8.5	0	23.2	63
28/10/2022 08:10	7.3	271	10	9.1	0	23.3	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/10/2022 08:20	7.8	268	11	9.5	0	23.2	65
28/10/2022 08:30	7.5	268	9	10.2	0	23.4	65
28/10/2022 08:40	7.5	267	9	9.5	0	23.4	65
28/10/2022 08:50	7.1	268	13	9.9	0	23.6	65
28/10/2022 09:00	8	276	10	10.1	0	23.7	64
28/10/2022 09:10	8	278	11	10.1	0	23.6	64
28/10/2022 09:20	8.2	275	10	10.2	0	23.6	64
28/10/2022 09:30	8	276	11	10.2	0	23.7	63
28/10/2022 09:40	8.3	273	10	10.3	0	23.8	62
28/10/2022 09:50	8.3	276	9	10.8	0	23.9	62
28/10/2022 10:00	8.3	269	10	11.5	0	23.7	63
28/10/2022 10:10	8.3	266	9	10.7	0	23.9	62
28/10/2022 10:20	8.7	275	9	10.7	0	24.2	62
28/10/2022 10:30	8.1	270	10	10.4	0	24.3	62
28/10/2022 10:40	9	272	11	11.1	0	24.1	62
28/10/2022 10:50	8.7	272	11	11.8	0	24.1	63
28/10/2022 11:00	9.3	267	9	11.6	0	24.3	63
28/10/2022 11:10	9.6	273	10	12	0	24.3	63
28/10/2022 11:20	9.6	272	9	12.7	0.1	24.5	62
28/10/2022 11:30	10	268	9	12.3	0	24.5	62
28/10/2022 11:40	9.3	275	9	12.1	0	24.8	61
28/10/2022 11:50	9.4	275	9	11.6	0	24.4	63
28/10/2022 12:00	8.7	277	9	11.4	0	25	61
28/10/2022 12:10	9.7	277	10	12.2	0	24.7	61
28/10/2022 12:20	9.8	272	9	12.6	0	24.8	59
28/10/2022 12:30	9.4	272	10	12.6	0	25	57
28/10/2022 12:40	9.7	270	9	12.3	0	25	57
28/10/2022 12:50	9.6	273	11	13.1	0	25.1	56
28/10/2022 13:00	9.8	276	11	13.5	0	25.3	52
28/10/2022 13:10	9.4	276	9	11.6	0	25.5	53
28/10/2022 13:20	9.8	281	8	12.4	0	25.5	51
28/10/2022 13:30	9.4	277	10	11.9	0	25.5	51
28/10/2022 13:40	9.7	269	10	13.3	0.1	25.8	49
28/10/2022 13:50	9.7	275	9	12.6	0	25.8	47
28/10/2022 14:00	9.8	276	9	12.4	0	25.8	47
28/10/2022 14:10	9.5	274	11	11.9	0	26	47
28/10/2022 14:20	9.3	273	10	12.1	0	26.1	47
28/10/2022 14:30	9.1	271	10	11.2	0	26.1	48
28/10/2022 14:40	8.9	268	12	11.4	0	25.9	49
28/10/2022 14:50	8.9	266	10	11.2	0	26	50
28/10/2022 15:00	8.4	271	9	11	0	26.2	51
28/10/2022 15:10	8.5	275	10	10.6	0	26.2	49
28/10/2022 15:20	8.8	273	8	10.8	0	26.3	49
28/10/2022 15:30	8.6	270	12	10.7	0	26.1	51
28/10/2022 15:40	8.8	269	8	10.8	0	26.1	51
28/10/2022 15:50	8.1	267	9	11.3	0	26.2	51
28/10/2022 16:00	8.1	270	10	11	0	26	51
28/10/2022 16:10	8.2	268	10	10.7	0	26.1	51



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/10/2022 16:20	8.6	277	7	10.8	0	26	50
28/10/2022 16:30	8.1	280	10	10.3	0	26.1	51
28/10/2022 16:40	8.5	269	10	10.9	0	25.8	51
28/10/2022 16:50	8.6	272	9	11.4	0	25.5	53
28/10/2022 17:00	8.2	273	8	10.8	0	25.5	52
28/10/2022 17:10	8.4	275	8	10.6	0	25.3	53
28/10/2022 17:20	7.7	275	10	9.7	0	25.2	55
28/10/2022 17:30	7.8	267	9	10.4	0	25	56
28/10/2022 17:40	8.1	268	8	10.3	0	24.7	57
28/10/2022 17:50	7.5	278	8	9.5	0	24.4	57
28/10/2022 18:00	7.3	277	10	9.9	0	24.3	56
28/10/2022 18:10	7.6	275	8	9.6	0	24	56
28/10/2022 18:20	7.5	275	10	9.3	0	23.8	56
28/10/2022 18:30	7.2	276	7	9.7	0	23.7	57
28/10/2022 18:40	7.3	275	8	10.4	0	23.6	58
28/10/2022 18:50	7.5	273	9	10.4	0	23.5	58
28/10/2022 19:00	7.4	270	7	10	0	23.5	59
28/10/2022 19:10	7.8	272	8	10.6	0	23.4	59
28/10/2022 19:20	7.5	279	10	10.6	0	23.4	58
28/10/2022 19:30	7.9	277	8	10.2	0	23.4	59
28/10/2022 19:40	7.5	281	9	10.1	0	23.4	60
28/10/2022 19:50	8.1	277	7	10.4	0	23.3	60
28/10/2022 20:00	8	278	7	10.6	0	23.3	61
28/10/2022 20:10	7.4	275	9	10.6	0	23.2	63
28/10/2022 20:20	8	270	7	11	0	23.2	63
28/10/2022 20:30	7.9	268	9	10.3	0	23.1	63
28/10/2022 20:40	7.4	270	9	9.9	0	23.1	65
28/10/2022 20:50	6.8	269	9	9.9	0	23	67
28/10/2022 21:00	7.9	267	9	11.2	0	22.9	67
28/10/2022 21:10	8.2	270	9	10.8	0	22.8	68
28/10/2022 21:20	8.5	268	9	11	0	22.8	66
28/10/2022 21:30	7.1	272	9	9.8	0	22.8	67
28/10/2022 21:40	8.2	270	8	11.2	0	22.8	67
28/10/2022 21:50	7.8	269	9	10.6	0	22.8	66
28/10/2022 22:00	8.1	266	9	10.9	0	22.9	64
28/10/2022 22:10	7.2	266	8	9.6	0	22.9	65
28/10/2022 22:20	8	269	10	11	0	22.8	66
28/10/2022 22:30	8.2	267	8	10.6	0	22.9	67
28/10/2022 22:40	8.2	269	8	10.6	0	22.8	68
28/10/2022 22:50	7.6	271	11	10.2	0	22.8	69
28/10/2022 23:00	7.9	267	8	10.6	0	22.8	68
28/10/2022 23:10	8.8	270	6	11.6	0	22.8	69
28/10/2022 23:20	8.6	270	8	11.8	0	22.7	69
28/10/2022 23:30	7.7	265	9	10.7	0	22.6	70
28/10/2022 23:40	8.3	265	9	11.2	0	22.5	69
28/10/2022 23:50	8.2	268	8	10.7	0	22.5	70
29/10/2022 00:00	9.1	265	9	11.9	0	22.5	68
29/10/2022 00:10	8.2	266	9	11.1	0	22.4	68



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/10/2022 00:20	7.9	264	8	11	0	22.4	68
29/10/2022 00:30	9.1	264	8	11.5	0	22.4	68
29/10/2022 00:40	8.3	266	9	10.7	0	22.5	68
29/10/2022 00:50	8.3	262	8	11	0	22.4	67
29/10/2022 01:00	8.1	269	8	11.2	0	22.4	67
29/10/2022 01:10	8.4	271	9	10.8	0	22.4	67
29/10/2022 01:20	7.8	265	7	10.3	0	22.4	66
29/10/2022 01:30	8.3	264	9	11.3	0	22.3	67
29/10/2022 01:40	7.1	251	9	9.6	0	22.3	67
29/10/2022 01:50	5.7	244	12	8.1	0	22	64
29/10/2022 02:00	5.7	247	11	7.9	0	21.8	64
29/10/2022 02:10	7.3	248	10	10.2	0	21.7	62
29/10/2022 02:20	6.1	244	12	9.6	0	21.5	62
29/10/2022 02:30	6.7	248	11	9.8	0	21.3	61
29/10/2022 02:40	5.9	245	11	9	0	21.3	57
29/10/2022 02:50	6.7	248	11	9.7	0	21.1	56
29/10/2022 03:00	6.1	246	10	8.8	0	20.9	56
29/10/2022 03:10	6.8	247	12	9.8	0	20.7	56
29/10/2022 03:20	6.3	249	11	8.1	0	20.5	57
29/10/2022 03:30	6.3	250	10	9.3	0	20.4	58
29/10/2022 03:40	6.1	248	12	7.7	0	20.4	58
29/10/2022 03:50	5.8	246	12	8.5	0	20.5	57
29/10/2022 04:00	6.1	245	12	8.4	0	20.4	58
29/10/2022 04:10	5.9	244	12	8	0	20.3	58
29/10/2022 04:20	6.1	246	10	8.5	0	20.2	58
29/10/2022 04:30	5.3	244	11	7.3	0	20.1	57
29/10/2022 04:40	5.5	244	11	7.5	0	20.3	56
29/10/2022 04:50	5.5	246	12	8.5	0	20.2	57
29/10/2022 05:00	5.1	244	10	7.3	0	20.1	57
29/10/2022 05:10	5.1	243	11	6.8	0	20	57
29/10/2022 05:20	4.7	245	10	6.9	0	19.8	59
29/10/2022 05:30	4.6	247	12	6.2	0	19.6	59
29/10/2022 05:40	4.2	245	12	6.5	0	19.6	59
29/10/2022 05:50	4.2	249	11	6.1	0	19.4	60
29/10/2022 06:00	4.7	249	10	6.6	0	19.4	61
29/10/2022 06:10	4.2	246	11	6.8	0	19.6	61
29/10/2022 06:20	4.9	241	10	6.7	0	19.7	60
29/10/2022 06:30	5.2	235	10	7	0	19.9	60
29/10/2022 06:40	5.8	237	11	8.3	0	20	59
29/10/2022 06:50	5.7	235	10	8.2	0	20.2	59
29/10/2022 07:00	5.6	234	13	8.1	0	20.4	58
29/10/2022 07:10	5.8	236	10	7.7	0	20.5	57
29/10/2022 07:20	5.8	235	11	8	0	20.6	57
29/10/2022 07:30	6.1	238	10	8.7	0	20.9	55
29/10/2022 07:40	5.4	237	11	7.6	0	21.4	54
29/10/2022 07:50	5.3	242	12	7.9	0	21.6	52
29/10/2022 08:00	5.1	243	11	8.1	0	22.1	50
29/10/2022 08:10	5.7	236	13	7.8	0	22.6	46



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/10/2022 08:20	6	237	11	9.2	0	22.8	44
29/10/2022 08:30	6.6	237	12	9.3	0	22.9	44
29/10/2022 08:40	7.2	231	12	9.9	0	23.3	43
29/10/2022 08:50	7.4	238	12	11.2	0	23.8	41
29/10/2022 09:00	7.9	238	12	12.3	0	23.9	40
29/10/2022 09:10	8.7	238	10	12.2	0.1	23.6	41
29/10/2022 09:20	7.7	244	14	11.3	0	23.9	41
29/10/2022 09:30	7.2	244	13	10.8	0	24	41
29/10/2022 09:40	7.5	240	17	10.5	0.1	24.1	41
29/10/2022 09:50	8.3	248	17	11.7	0	24.2	41
29/10/2022 10:00	7.3	237	12	9.9	0	24.2	42
29/10/2022 10:10	7.5	251	15	11.2	0	24.7	40
29/10/2022 10:20	8.2	257	13	11.2	0	25	39
29/10/2022 10:30	7.8	260	11	11.5	0	25.4	39
29/10/2022 10:40	7.5	249	12	11.2	0.1	25.6	39
29/10/2022 10:50	8.3	268	10	11.3	0	25.3	42
29/10/2022 11:00	8.6	276	11	11.6	0	24.9	44
29/10/2022 11:10	8.1	276	12	10.8	0	25	44
29/10/2022 11:20	8	276	12	10.6	0	25.5	44
29/10/2022 11:30	9.3	274	9	11.8	0	24.9	47
29/10/2022 11:40	9.1	278	9	12.2	0	25	48
29/10/2022 11:50	8.5	276	9	11	0	25	47
29/10/2022 12:00	9.3	280	11	12	0	25.1	48
29/10/2022 12:10	9.8	276	8	12.2	0	25	49
29/10/2022 12:20	9.7	276	9	13	0	25.3	48
29/10/2022 12:30	10	276	10	13.3	0	25.2	49
29/10/2022 12:40	10.3	277	8	13.2	0	25.1	50
29/10/2022 12:50	10.1	274	8	13.6	0	25.2	50
29/10/2022 13:00	8.8	276	10	12.9	0	25.8	48
29/10/2022 13:10	9.5	274	10	12.3	0	25.9	48
29/10/2022 13:20	9.8	275	9	12.8	0	25.6	51
29/10/2022 13:30	8.9	280	10	12.7	0	26	48
29/10/2022 13:40	9.4	274	10	13	0.1	26.2	48
29/10/2022 13:50	10	270	7	13.2	0.1	25.6	50
29/10/2022 14:00	10	264	8	13.1	0.1	25.9	48
29/10/2022 14:10	9.8	268	7	12.7	0	25.7	49
29/10/2022 14:20	9.3	273	8	11.8	0	25.8	50
29/10/2022 14:30	9.8	269	9	12.7	0	25.8	50
29/10/2022 14:40	9.1	272	10	12	0.1	25.9	51
29/10/2022 14:50	10.7	267	8	13.4	0.1	25.6	51
29/10/2022 15:00	9.6	267	9	12.5	0	25.6	52
29/10/2022 15:10	10	268	9	13.3	0	25.6	52
29/10/2022 15:20	10.4	267	8	14	0	25.4	53
29/10/2022 15:30	10.1	264	10	13.8	0	25.4	55
29/10/2022 15:40	10.3	270	8	13	0	25.3	55
29/10/2022 15:50	9.7	266	9	12.3	0.1	25.3	55
29/10/2022 16:00	10.1	269	9	13.2	0	25.2	56
29/10/2022 16:10	10.2	263	8	12.9	0.1	25.1	56



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/10/2022 16:20	10.4	262	9	14.3	0.2	25.1	56
29/10/2022 16:30	10.5	261	10	14	0.1	24.9	58
29/10/2022 16:40	10.4	264	8	13.4	0	24.8	59
29/10/2022 16:50	10.3	265	9	13.9	0	24.7	57
29/10/2022 17:00	10	264	9	13.8	0	24.6	58
29/10/2022 17:10	10.3	262	9	13.7	0	24.5	58
29/10/2022 17:20	10	265	10	13	0.1	24.4	59
29/10/2022 17:30	9.6	257	8	12.9	0	24.2	59
29/10/2022 17:40	9.5	257	8	13.2	0	24.1	59
29/10/2022 17:50	8.9	260	9	11.7	0	23.9	61
29/10/2022 18:00	9.9	261	9	13.4	0	23.7	61
29/10/2022 18:10	10.3	263	8	13.5	0	23.4	63
29/10/2022 18:20	10.4	261	9	13	0	23.3	64
29/10/2022 18:30	10.9	255	9	13.6	0	23.1	65
29/10/2022 18:40	8.9	257	9	12.4	0	23.1	66
29/10/2022 18:50	10.9	255	9	14.2	0.4	23	65
29/10/2022 19:00	10.5	255	8	13.5	0.1	22.9	66
29/10/2022 19:10	10.4	252	8	13.9	0.3	22.9	65
29/10/2022 19:20	9.6	257	9	13.6	0	22.9	67
29/10/2022 19:30	9.7	259	9	12.7	0	22.9	66
29/10/2022 19:40	9.3	256	8	12.5	0	22.9	67
29/10/2022 19:50	8.2	262	10	11.1	0	22.9	67
29/10/2022 20:00	8.6	263	9	12.2	0	22.9	67
29/10/2022 20:10	8.9	263	8	11.8	0.1	23	65
29/10/2022 20:20	8	261	9	11.6	0	23.1	65
29/10/2022 20:30	9	261	8	12.2	0	23.1	62
29/10/2022 20:40	8.7	261	8	11.9	0	23.2	62
29/10/2022 20:50	8.1	260	8	11.6	0	23.2	61
29/10/2022 21:00	8.3	258	8	11.7	0	23.2	61
29/10/2022 21:10	8.3	260	8	11.2	0	23.2	60
29/10/2022 21:20	8.1	255	9	11.3	0	23.2	59
29/10/2022 21:30	8.8	256	9	11.1	0	23.2	58
29/10/2022 21:40	8.3	256	9	11.2	0	23.1	59
29/10/2022 21:50	8.2	253	8	10.8	0	23.1	60
29/10/2022 22:00	8.5	254	8	11.4	0	23	62
29/10/2022 22:10	8	250	8	11	0	22.9	63
29/10/2022 22:20	7.7	246	9	10.2	0	22.8	63
29/10/2022 22:30	9.3	245	7	12.1	0	22.7	64
29/10/2022 22:40	9.6	247	9	13.1	0.3	22.7	65
29/10/2022 22:50	8	247	8	11.7	0	22.7	64
29/10/2022 23:00	9.5	247	8	12.7	0.3	22.7	59
29/10/2022 23:10	8.6	244	10	11.9	0.3	22.8	55
29/10/2022 23:20	8.3	244	9	12	0.3	22.7	51
29/10/2022 23:30	8.4	241	8	11.3	0	22.6	49
29/10/2022 23:40	8	242	9	11.3	0	22.3	48
29/10/2022 23:50	7.3	242	9	9.9	0	22.1	47
30/10/2022 00:00	7.8	243	9	10.7	0	21.9	46
30/10/2022 00:10	7.8	244	9	10.5	0	21.6	45





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/10/2022 00:20	7.1	246	9	9.5	0	21.4	46
30/10/2022 00:30	7.3	246	9	9.7	0	21.3	46
30/10/2022 00:40	7.5	249	8	9.9	0	21.1	46
30/10/2022 00:50	7.3	251	8	10.2	0	20.9	46
30/10/2022 01:00	7.1	247	9	9.8	0	20.8	47
30/10/2022 01:10	6.8	246	9	9.6	0	20.7	47
30/10/2022 01:20	6.1	244	9	8.4	0	20.6	47
30/10/2022 01:30	6.4	242	8	8.3	0	20.6	47
30/10/2022 01:40	5.9	243	9	7.9	0	20.5	48
30/10/2022 01:50	5.1	246	8	6.9	0	20.1	49
30/10/2022 02:00	5.5	249	8	7.2	0	20	49
30/10/2022 02:10	5.7	251	7	7.3	0	19.9	50
30/10/2022 02:20	5.6	250	8	7.5	0	19.8	51
30/10/2022 02:30	5.7	249	7	7.3	0	19.7	51
30/10/2022 02:40	5	251	6	6.5	0	19.7	52
30/10/2022 02:50	4.6	252	6	6.3	0	19.6	52
30/10/2022 03:00	4.5	254	7	5.5	0	19.5	54
30/10/2022 03:10	4.3	255	7	5.4	0	19.4	55
30/10/2022 03:20	4.8	257	6	6.3	0	19.4	55
30/10/2022 03:30	4.4	255	6	5.7	0	19.3	56
30/10/2022 03:40	4.3	254	7	5.7	0	19.2	58
30/10/2022 03:50	4	253	7	5.3	0	19.1	58
30/10/2022 04:00	3.8	253	8	4.9	0	18.9	59
30/10/2022 04:10	3.9	257	7	5.1	0	18.9	60
30/10/2022 04:20	3.9	259	7	5	0	18.8	60
30/10/2022 04:30	3.6	267	5	4.6	0	18.6	62
30/10/2022 04:40	3.8	266	6	4.7	0	18.5	62
30/10/2022 04:50	3.9	268	6	5.1	0	18.6	62
30/10/2022 05:00	4	271	7	5.4	0	18.5	63
30/10/2022 05:10	3.6	268	9	4.5	0	18.4	64
30/10/2022 05:20	3.8	269	8	4.6	0	18.3	64
30/10/2022 05:30	4.1	273	6	5.3	0	18.4	64
30/10/2022 05:40	3.8	269	9	5.1	0	18.4	64
30/10/2022 05:50	3.8	266	8	5.4	0	18.4	64
30/10/2022 06:00	3.6	266	8	4.7	0	18.5	64
30/10/2022 06:10	3.9	264	10	5.5	0	18.8	64
30/10/2022 06:20	3.9	263	8	5.4	0	19.3	62
30/10/2022 06:30	4.2	265	7	5.6	0	19.6	61
30/10/2022 06:40	4.5	258	8	5.8	0	20	60
30/10/2022 06:50	4.3	248	9	6.1	0	20.4	59
30/10/2022 07:00	4.2	245	12	6.3	0	20.9	58
30/10/2022 07:10	4.7	235	12	6.7	0	21	57
30/10/2022 07:20	4.8	236	13	6.7	0	21.1	57
30/10/2022 07:30	4.5	232	13	7	0	21.3	57
30/10/2022 07:40	4.8	234	13	7.4	0	21.7	56
30/10/2022 07:50	5.2	234	10	7.4	0	21.7	56
30/10/2022 08:00	4.9	234	13	7.2	0	22.3	55
30/10/2022 08:10	4.6	232	14	7.1	0	22.7	54



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/10/2022 08:20	4.3	231	13	6.2	0	22.9	52
30/10/2022 08:30	4.3	237	12	6.3	0	23	52
30/10/2022 08:40	4.2	223	12	6.1	0	23.5	51
30/10/2022 08:50	4.2	231	11	6.1	0	23.7	50
30/10/2022 09:00	4.1	233	14	5.9	0	24.1	48
30/10/2022 09:10	4.2	230	16	6.2	0	24.6	46
30/10/2022 09:20	4.3	227	16	6.8	0	24.7	45
30/10/2022 09:30	3.6	229	17	5.5	0	25.1	44
30/10/2022 09:40	4.1	242	18	6.2	0	25.7	42
30/10/2022 09:50	4.1	236	21	6.4	0	26.2	40
30/10/2022 10:00	4.4	236	13	7.4	0	25.9	39
30/10/2022 10:10	4.6	229	16	7.1	0	26.2	37
30/10/2022 10:20	4.9	255	13	6.9	0	26.9	36
30/10/2022 10:30	4.4	228	15	7	0	26.6	37
30/10/2022 10:40	5.6	223	16	8	0	27.1	36
30/10/2022 10:50	5.8	253	13	9	0	27.1	36
30/10/2022 11:00	5.7	267	11	7.9	0	27.2	39
30/10/2022 11:10	4.8	278	10	7.4	0	27.1	40
30/10/2022 11:20	5	283	11	7	0	27.3	39
30/10/2022 11:30	5.7	279	11	8	0	27.4	41
30/10/2022 11:40	6.1	279	11	8.7	0	27.3	43
30/10/2022 11:50	6.2	287	10	8.4	0	27	44
30/10/2022 12:00	7.1	271	10	9.3	0	27.7	44
30/10/2022 12:10	7.2	267	9	10.1	0	27.6	45
30/10/2022 12:20	7.8	270	9	10	0	27.3	47
30/10/2022 12:30	7.7	263	9	10	0	27.4	47
30/10/2022 12:40	8.4	266	9	11.3	0	27.5	46
30/10/2022 12:50	8.8	268	7	11.3	0	27.1	47
30/10/2022 13:00	9.4	266	9	11.4	0	26.9	49
30/10/2022 13:10	9.4	266	9	11.4	0	26.9	50
30/10/2022 13:20	8.1	269	12	10.7	0	27.4	49
30/10/2022 13:30	8.7	263	8	11.6	0	27.4	48
30/10/2022 13:40	9	268	9	11.3	0	27.4	48
30/10/2022 13:50	8.9	265	8	11.5	0	27.5	46
30/10/2022 14:00	8.9	267	8	11.7	0	27.6	47
30/10/2022 14:10	9.2	267	10	11.8	0	27.6	46
30/10/2022 14:20	8.5	269	10	10.7	0	27.5	47
30/10/2022 14:30	9.5	268	9	12.2	0	27.8	45
30/10/2022 14:40	8.8	270	10	11.8	0	27.9	48
30/10/2022 14:50	10	265	7	12.5	0.1	27.5	49
30/10/2022 15:00	9.9	269	7	12.8	0	27.4	48
30/10/2022 15:10	9.8	270	8	13.1	0	27.3	49
30/10/2022 15:20	10	268	7	13	0	27.3	50
30/10/2022 15:30	9.7	270	8	12.9	0	27.6	48
30/10/2022 15:40	10.4	270	7	13.5	0	27.3	50
30/10/2022 15:50	9.5	267	7	12.1	0	27.5	50
30/10/2022 16:00	8.4	270	9	10.8	0	27.9	48
30/10/2022 16:10	9.4	271	8	12.3	0	27.8	48



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/10/2022 16:20	9.3	274	8	12.6	0	27.7	48
30/10/2022 16:30	9.4	270	8	12.2	0	27.2	50
30/10/2022 16:40	9.1	270	8	12.1	0	27.2	51
30/10/2022 16:50	9.1	269	8	11.7	0	27	53
30/10/2022 17:00	9.1	270	7	11.8	0	26.7	54
30/10/2022 17:10	8.8	272	9	11.3	0	26.6	54
30/10/2022 17:20	8.8	272	7	11.8	0	26.5	54
30/10/2022 17:30	8.7	272	8	11.2	0	26.3	56
30/10/2022 17:40	8.7	270	7	11.2	0	26.1	57
30/10/2022 17:50	8.4	273	8	10.8	0	26	59
30/10/2022 18:00	6.7	273	8	9.5	0	26	59
30/10/2022 18:10	6.2	270	9	8.5	0	25.9	58
30/10/2022 18:20	5.8	271	8	8.3	0	25.8	58
30/10/2022 18:30	5.5	273	8	7	0	25.9	57
30/10/2022 18:40	5.4	277	7	7.1	0	26	56
30/10/2022 18:50	4.6	271	8	6.3	0	25.6	59
30/10/2022 19:00	1.9	228	8	4.4	0	26.1	50
30/10/2022 19:10	3.8	200	2	5.3	0	28.7	26
30/10/2022 19:20	3.8	198	3	5.5	0	29.2	23
30/10/2022 19:30	4.4	192	4	6.4	0	29.1	23
30/10/2022 19:40	4.1	189	5	5.7	0	28.9	22
30/10/2022 19:50	3.9	190	7	6.2	0	28.6	22
30/10/2022 20:00	4.1	182	5	5.9	0	28.4	22
30/10/2022 20:10	4.4	179	5	6.8	0	28.4	22
30/10/2022 20:20	5	179	7	6.9	0	28.3	22
30/10/2022 20:30	4.7	179	6	6.8	0	28	22
30/10/2022 20:40	5.3	183	9	8.3	0	28	22
30/10/2022 20:50	5	187	8	7.4	0	27.9	22
30/10/2022 21:00	5.1	182	7	8	0	27.7	21
30/10/2022 21:10	5.3	185	7	8.2	0	27.5	21
30/10/2022 21:20	4.7	183	7	7.5	0	27.4	20
30/10/2022 21:30	5.8	184	10	8.6	0	27.4	19
30/10/2022 21:40	5.1	190	10	8.1	0	27.2	19
30/10/2022 21:50	4.8	187	9	8	0	26.9	19
30/10/2022 22:00	5.2	188	9	8.1	0	26.8	19
30/10/2022 22:10	5.3	188	9	7.6	0	26.8	19
30/10/2022 22:20	5.3	188	8	7.7	0	26.6	20
30/10/2022 22:30	5.3	189	9	8.6	0	26.3	20
30/10/2022 22:40	5.3	188	10	8.4	0	26.3	19
30/10/2022 22:50	5.2	189	8	7.6	0	26.1	19
30/10/2022 23:00	5.2	187	10	7.9	0	26	19
30/10/2022 23:10	5.2	188	11	7.8	0	25.9	19
30/10/2022 23:20					0	25.6	19
30/10/2022 23:30					0	25.5	19
30/10/2022 23:40					0	25.3	20
30/10/2022 23:50					0	25.1	20
31/10/2022 00:00					0	25	20
31/10/2022 00:10					0	24.9	20



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
31/10/2022 00:20					0	24.8	20
31/10/2022 00:30					0	24.6	21
31/10/2022 00:40					0	24.5	20
31/10/2022 00:50					0	24.3	21
31/10/2022 01:00					0	24.2	21
31/10/2022 01:10					0	24.1	20
31/10/2022 01:20					0	23.9	20
31/10/2022 01:30					0	23.7	20
31/10/2022 01:40					0	23.6	21
31/10/2022 01:50					0	23.5	21
31/10/2022 02:00					0	23.4	21
31/10/2022 02:10					0	23.2	21
31/10/2022 02:20					0	23	21
31/10/2022 02:30					0	22.9	22
31/10/2022 02:40					0	22.6	22
31/10/2022 02:50					0	22.4	23
31/10/2022 03:00					0	22.4	22
31/10/2022 03:10					0	22.2	23
31/10/2022 03:20					0	22	23
31/10/2022 03:30					0	22	23
31/10/2022 03:40					0	22.1	22
31/10/2022 03:50					0	22.1	22
31/10/2022 04:00					0	22	22
31/10/2022 04:10					0	21.9	22
31/10/2022 04:20					0	21.8	22
31/10/2022 04:30					0	21.8	22
31/10/2022 04:40					0	21.7	22
31/10/2022 04:50					0	21.6	22
31/10/2022 05:00					0	21.5	23
31/10/2022 05:10					0	21.4	26
31/10/2022 05:20					0	21.2	27
31/10/2022 05:30					0	21.3	26
31/10/2022 05:40					0	21.4	25
31/10/2022 05:50					0	21.5	25
31/10/2022 06:00					0	21.5	26
31/10/2022 06:10					0	21.6	26
31/10/2022 06:20					0	21.7	27
31/10/2022 06:30					0	21.8	28
31/10/2022 06:40					0	21.9	26
31/10/2022 06:50					0	22.1	25
31/10/2022 07:00					0	22.2	23
31/10/2022 07:10					0	22.3	24
31/10/2022 07:20					0	22.4	23
31/10/2022 07:30					0	22.5	23
31/10/2022 07:40					0	22.6	23
31/10/2022 07:50					0	23	24
31/10/2022 08:00					0	23.3	23
31/10/2022 08:10					0	23.7	23



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
31/10/2022 08:20					0	24.1	22
31/10/2022 08:30					0	24	19
31/10/2022 08:40					0	24.2	21
31/10/2022 08:50					0	24.9	21
31/10/2022 09:00					0	25.3	19
31/10/2022 09:10					0	25.3	19
31/10/2022 09:20					0	25.5	20
31/10/2022 09:30					0	25.7	20
31/10/2022 09:40					0	26	18
31/10/2022 09:50					0	26.3	19
31/10/2022 10:00					0	26.4	18
31/10/2022 10:10					0	26.5	19
31/10/2022 10:20					0	27	19
31/10/2022 10:30					0	27	18
31/10/2022 10:40					0	27.4	19
31/10/2022 10:50					0	27.7	18
31/10/2022 11:00					0	28.3	18
31/10/2022 11:10					0	27.9	17
31/10/2022 11:20					0	28.3	17
31/10/2022 11:30					0	28.7	17
31/10/2022 11:40					0	29	16
31/10/2022 11:50					0	29.3	17
31/10/2022 12:00					0	29.1	17
31/10/2022 12:10					0	29.6	18
31/10/2022 12:20					0	30.1	16
31/10/2022 12:30					0	29.6	19
31/10/2022 12:40					0	29	22
31/10/2022 12:50					0	29.1	22
31/10/2022 13:00					0	29.1	21
31/10/2022 13:10					0	29.2	20
31/10/2022 13:20					0	28.7	19
31/10/2022 13:30					0	28.9	20
31/10/2022 13:40					0	29.1	23
31/10/2022 13:50					0	29	22
31/10/2022 14:00					0	29.3	22
31/10/2022 14:10					0	29	22
31/10/2022 14:20					0	28.9	22
31/10/2022 14:30					0	29.1	20
31/10/2022 14:40					0	29.3	18
31/10/2022 14:50					0	29.4	19
31/10/2022 15:00					0	29.4	19
31/10/2022 15:10					0	29.8	17
31/10/2022 15:20					0	30	16
31/10/2022 15:30					0	29.6	18
31/10/2022 15:40					0	29.8	17
31/10/2022 15:50					0	29.9	16
31/10/2022 16:00					0	29.9	16
31/10/2022 16:10					0	30.1	16



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
31/10/2022 16:20					0	28.8	28
31/10/2022 16:30					0	27.7	32
31/10/2022 16:40					0	28	28
31/10/2022 16:50					0	27.8	30
31/10/2022 17:00					0	27	35
31/10/2022 17:10					0	27.1	31
31/10/2022 17:20					0	26.9	35
31/10/2022 17:30					0	26.9	33
31/10/2022 17:40					0	26.7	36
31/10/2022 17:50					0	26.2	37
31/10/2022 18:00					0	26.1	37
31/10/2022 18:10					0	25.8	40
31/10/2022 18:20					0	25.2	44
31/10/2022 18:30					0	24.8	43
31/10/2022 18:40					0	24.6	44
31/10/2022 18:50					0	24.5	45
31/10/2022 19:00					0	24.3	46
31/10/2022 19:10					0	24.1	48
31/10/2022 19:20					0	23.9	49
31/10/2022 19:30					0	23.7	50
31/10/2022 19:40					0	23.6	51
31/10/2022 19:50					0	23.4	52
31/10/2022 20:00					0	23.3	54
31/10/2022 20:10					0	23.1	57
31/10/2022 20:20					0	22.9	57
31/10/2022 20:30					0	23	55
31/10/2022 20:40					0	22.8	56
31/10/2022 20:50					0	22.7	59
31/10/2022 21:00					0	22.6	61
31/10/2022 21:10					0	22.4	60
31/10/2022 21:20					0	22.1	61
31/10/2022 21:30					0	21.8	62
31/10/2022 21:40					0	21.8	62
31/10/2022 21:50					0	21.4	62
31/10/2022 22:00					0	21.6	60
31/10/2022 22:10					0	22.1	56
31/10/2022 22:20					0	21.6	58
31/10/2022 22:30					0	21.4	60
31/10/2022 22:40					0	21.4	62
31/10/2022 22:50					0	21.6	61
31/10/2022 23:00					0	22.3	57
31/10/2022 23:10					0	22.2	57
31/10/2022 23:20					0	21.9	57
31/10/2022 23:30					0	21.9	57
31/10/2022 23:40					0	21.8	56
31/10/2022 23:50					0	22.1	55
01/11/2022 00:00					0	21.9	54
01/11/2022 00:10					0	21.8	51



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/11/2022 00:20					0	22	45
01/11/2022 00:30					0	22.2	38
01/11/2022 00:40					0	22.8	33
01/11/2022 00:50					0	22.6	32
01/11/2022 01:00					0	22.7	32
01/11/2022 01:10					0	23	31
01/11/2022 01:20					0	22.7	31
01/11/2022 01:30					0	21.9	31
01/11/2022 01:40					0	22.1	28
01/11/2022 01:50					0	21.8	31
01/11/2022 02:00					0	21.3	36
01/11/2022 02:10	0	87	10	0.1	0	21.1	39
01/11/2022 02:20					0	20.3	43
01/11/2022 02:30					0	20.1	44
01/11/2022 02:40					0	20.2	43
01/11/2022 02:50					0	21	36
01/11/2022 03:00					0	22.1	30
01/11/2022 03:10					0	22.6	28
01/11/2022 03:20					0	22.6	30
01/11/2022 03:30					0	22.5	30
01/11/2022 03:40					0	22.7	30
01/11/2022 03:50					0	22.7	29
01/11/2022 04:00					0	22.9	30
01/11/2022 04:10					0	22.9	33
01/11/2022 04:20					0	23	32
01/11/2022 04:30					0	23.1	33
01/11/2022 04:40					0	23.1	32
01/11/2022 04:50					0	23.1	29
01/11/2022 05:00					0	23	30
01/11/2022 05:10					0	22.9	29
01/11/2022 05:20					0	22.7	31
01/11/2022 05:30					0	22.5	32
01/11/2022 05:40					0	22.5	32
01/11/2022 05:50					0	22.3	34
01/11/2022 06:00					0	22.6	31
01/11/2022 06:10					0	22.7	29
01/11/2022 06:20					0	22.9	30
01/11/2022 06:30					0	23	31
01/11/2022 06:40					0	23.1	31
01/11/2022 06:50					0	23.4	31
01/11/2022 07:00	0	101	2	0.1	0	23.6	28
01/11/2022 07:10	0	104	4	0.4	0	23.8	28
01/11/2022 07:20					0	24.1	28
01/11/2022 07:30					0	24.3	27
01/11/2022 07:40					0	24.4	26
01/11/2022 07:50					0	24.8	25
01/11/2022 08:00					0	25	25
01/11/2022 08:10					0	25.3	25



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/11/2022 08:20					0	25.5	25
01/11/2022 08:30					0	25.5	24
01/11/2022 08:40					0	25.6	23
01/11/2022 08:50					0	25.8	22
01/11/2022 09:00	0	90	6	0.7	0	25.9	22
01/11/2022 09:10	0.1	84	5	1	0	25.8	22
01/11/2022 09:20	0	83	7	0.3	0	26.3	23
01/11/2022 09:30	0.1	83	4	1	0	26.1	24
01/11/2022 09:40	0.2	82	7	1.6	0	26	24
01/11/2022 09:50	0.1	81	7	1.7	0	26.6	23
01/11/2022 10:00	0.1	87	7	1.1	0	26.5	23
01/11/2022 10:10	0	84	5	0.2	0	26.9	22
01/11/2022 10:20	0	75	3	0.1	0	26.9	23
01/11/2022 10:30	0	80	4	0.1	0	27	22
01/11/2022 10:40	0	79	5	0.5	0	27.2	21
01/11/2022 10:50	0	79	4	0.7	0	27.6	21
01/11/2022 11:00	0.1	80	6	1.4	0	27.4	21
01/11/2022 11:10	0.1	70	6	0.8	0	27.3	21
01/11/2022 11:20	0	62	5	0.1	0	27.2	21
01/11/2022 11:30	0	65	5	0.3	0	27	21
01/11/2022 11:40	0	73	6	0.2	0	27.3	23
01/11/2022 11:50	0	58	4	0.2	0	27.9	23
01/11/2022 12:00					0	28	23
01/11/2022 12:10	0	45	2	0.2	0	27.3	24
01/11/2022 12:20	0	53	5	0.2	0	27.1	24
01/11/2022 12:30	0	54	3	0.2	0	27.5	23
01/11/2022 12:40	0	48	2	0.1	0	27.5	22
01/11/2022 12:50					0	27.4	21
01/11/2022 13:00	0	51	3	0.3	0	27.5	21
01/11/2022 13:10	0	34	3	0.3	0	27.5	22
01/11/2022 13:20	0	42	3	0.2	0	27.7	20
01/11/2022 13:30	0	47	3	0.2	0	27.9	19
01/11/2022 13:40					0	28.1	16
01/11/2022 13:50					0	28.5	15
01/11/2022 14:00					0	28.3	15
01/11/2022 14:10	0	27	3	0.4	0	28.4	14
01/11/2022 14:20					0	28.3	15
01/11/2022 14:30					0	28.8	13
01/11/2022 14:40					0	29	12
01/11/2022 14:50					0	28.8	13
01/11/2022 15:00					0	29	12
01/11/2022 15:10					0	29.4	11
01/11/2022 15:20					0	29.3	11
01/11/2022 15:30					0	29.6	11
01/11/2022 15:40					0	29.7	11
01/11/2022 15:50					0	29.8	10
01/11/2022 16:00					0	29.9	10
01/11/2022 16:10					0	29.4	21





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/11/2022 16:20					0	28.4	27
01/11/2022 16:30					0	27.8	30
01/11/2022 16:40					0	27.6	30
01/11/2022 16:50					0	27	33
01/11/2022 17:00					0	26.9	34
01/11/2022 17:10					0	26.6	35
01/11/2022 17:20					0	26.5	37
01/11/2022 17:30					0	26.3	37
01/11/2022 17:40					0	26.1	38
01/11/2022 17:50					0	25.9	37
01/11/2022 18:00					0	25.5	40
01/11/2022 18:10					0	24.9	43
01/11/2022 18:20					0	25	43
01/11/2022 18:30	0	322	4	0.1	0	24.6	46
01/11/2022 18:40	0	300	7	0.1	0	24.5	47
01/11/2022 18:50					0	24.3	48
01/11/2022 19:00					0	24.3	49
01/11/2022 19:10	0	296	5	0.1	0	24.2	50
01/11/2022 19:20					0	24.2	50
01/11/2022 19:30					0	24.1	49
01/11/2022 19:40	0	277	4	0.1	0	23.9	51
01/11/2022 19:50					0	23.7	52
01/11/2022 20:00					0	23.6	52
01/11/2022 20:10					0	23.6	53
01/11/2022 20:20					0	23.6	53
01/11/2022 20:30					0	23.4	56
01/11/2022 20:40	0	267	4	0.1	0	23.3	56
01/11/2022 20:50	0	261	4	0.1	0	23.3	56
01/11/2022 21:00	0	260	3	0	0	23.2	57
01/11/2022 21:10					0	23.1	57
01/11/2022 21:20	0	266	3	0.1	0	23.1	59
01/11/2022 21:30					0	23.1	60
01/11/2022 21:40	0	258	3	0.4	0	23.2	59
01/11/2022 21:50					0	23.1	60
01/11/2022 22:00					0	23	62
01/11/2022 22:10	0	253	2	0.2	0	22.6	64
01/11/2022 22:20					0	22.4	64
01/11/2022 22:30					0	22.2	64
01/11/2022 22:40	0	251	3	0.1	0	22	65
01/11/2022 22:50					0	21.8	66
01/11/2022 23:00					0	21.7	65
01/11/2022 23:10					0	21.7	64
01/11/2022 23:20					0	21.6	63
01/11/2022 23:30					0	21.6	63
01/11/2022 23:40					0	21.5	63
01/11/2022 23:50					0	21.4	63
02/11/2022 00:00					0	21.3	64
02/11/2022 00:10					0	21.4	64



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/11/2022 00:20					0	21.3	64
02/11/2022 00:30					0	21.2	64
02/11/2022 00:40					0	21.1	64
02/11/2022 00:50					0	21	65
02/11/2022 01:00	0	245	3	0.1	0	20.8	67
02/11/2022 01:10					0	20.8	67
02/11/2022 01:20					0	20.7	68
02/11/2022 01:30	0	247	2	0	0	20.6	69
02/11/2022 01:40					0	20.5	70
02/11/2022 01:50					0	20.6	70
02/11/2022 02:00					0	20.8	70
02/11/2022 02:10	0	239	5	0.1	0	20.8	70
02/11/2022 02:20					0	20.5	71
02/11/2022 02:30					0	20.6	71
02/11/2022 02:40	0	236	6	0.1	0	20.6	71
02/11/2022 02:50	0	242	4	0.1	0	20.5	71
02/11/2022 03:00	0	239	4	0.1	0	20.5	71
02/11/2022 03:10	0	238	7	0.2	0	20.6	71
02/11/2022 03:20	0	236	5	0.1	0	20.5	71
02/11/2022 03:30	0	241	5	0.1	0	20.5	72
02/11/2022 03:40	0	235	4	0.2	0	20.5	72
02/11/2022 03:50					0	20.4	72
02/11/2022 04:00	0	239	5	0.4	0	20.5	71
02/11/2022 04:10	0	238	4	0.3	0	20.2	72
02/11/2022 04:20	0	236	6	0.3	0	20.1	73
02/11/2022 04:30	0	232	5	0.2	0	20	73
02/11/2022 04:40	0	213	9	0.3	0	20.2	72
02/11/2022 04:50	0	214	6	0.1	0	19.9	73
02/11/2022 05:00	0	218	5	0.2	0	19.9	73
02/11/2022 05:10	0	213	5	0.3	0	19.9	72
02/11/2022 05:20	0	215	4	0.3	0	19.8	72
02/11/2022 05:30					0	19.8	73
02/11/2022 05:40	0	216	6	0.4	0	19.6	73
02/11/2022 05:50	0	228	10	0.2	0	19.5	74
02/11/2022 06:00	0	187	4	0.2	0	20.1	72
02/11/2022 06:10	0	183	4	0.5	0	20.6	70
02/11/2022 06:20	0	170	4	0.4	0	21	68
02/11/2022 06:30	0.1	156	5	2.2	0	21.5	66
02/11/2022 06:40	0	167	4	0.6	0	21.8	65
02/11/2022 06:50	0	173	4	0.2	0	22	64
02/11/2022 07:00	0	173	6	0.4	0	22.5	62
02/11/2022 07:10	0	159	8	0.3	0	23	59
02/11/2022 07:20					0	23.1	58
02/11/2022 07:30	0	147	8	0.3	0	23.5	55
02/11/2022 07:40	0	139	10	0.2	0	24.3	50
02/11/2022 07:50					0	24.4	48
02/11/2022 08:00					0	24.7	47
02/11/2022 08:10	0	122	9	0	0	25	45



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/11/2022 08:20					0	25.5	44
02/11/2022 08:30					0	25.1	46
02/11/2022 08:40					0	25.1	48
02/11/2022 08:50					0	25.4	46
02/11/2022 09:00					0	26.2	43
02/11/2022 09:10	0	90	7	0.1	0	27.1	39
02/11/2022 09:20	0	104	4	0.1	0	27.8	35
02/11/2022 09:30					0	28.5	32
02/11/2022 09:40					0	28.2	32
02/11/2022 09:50					0	29.2	26
02/11/2022 10:00					0	29.4	25
02/11/2022 10:10					0	28.8	27
02/11/2022 10:20					0	28.6	29
02/11/2022 10:30					0	28.7	26
02/11/2022 10:40					0	28.9	24
02/11/2022 10:50	0	67	1	0.3	0	28.9	23
02/11/2022 11:00	0	66	4	0.3	0	28.9	22
02/11/2022 11:10	0	70	4	0.4	0	29.1	21
02/11/2022 11:20					0	29.9	22
02/11/2022 11:30	0	45	2	0.5	0	29.7	24
02/11/2022 11:40					0	29.9	20
02/11/2022 11:50					0	29.8	21
02/11/2022 12:00					0	29.9	21
02/11/2022 12:10					0	30.3	22
02/11/2022 12:20					0	30	23
02/11/2022 12:30					0	30.2	21
02/11/2022 12:40					0	30.5	20
02/11/2022 12:50					0	30.6	18
02/11/2022 13:00					0	31	16
02/11/2022 13:10					0	31.1	16
02/11/2022 13:20					0	31.9	13
02/11/2022 13:30					0	31.8	12
02/11/2022 13:40					0	32	12
02/11/2022 13:50					0	31.9	13
02/11/2022 14:00					0	32.4	13
02/11/2022 14:10					0	32.5	13
02/11/2022 14:20					0	32.7	13
02/11/2022 14:30					0	32.5	13
02/11/2022 14:40					0	32.7	12
02/11/2022 14:50					0	32.8	13
02/11/2022 15:00					0	32.2	20
02/11/2022 15:10					0	30.9	25
02/11/2022 15:20					0	30.6	25
02/11/2022 15:30					0	30.4	28
02/11/2022 15:40					0	30.2	30
02/11/2022 15:50					0	30.3	30
02/11/2022 16:00					0	30	34
02/11/2022 16:10					0	29.9	35



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/11/2022 16:20					0	29.4	37
02/11/2022 16:30					0	29.4	37
02/11/2022 16:40					0	29.3	34
02/11/2022 16:50					0	29.1	35
02/11/2022 17:00					0	28.7	36
02/11/2022 17:10					0	28.6	35
02/11/2022 17:20					0	28.7	33
02/11/2022 17:30					0	28.7	33
02/11/2022 17:40					0	28.1	36
02/11/2022 17:50					0	27.7	42
02/11/2022 18:00					0	27.3	42
02/11/2022 18:10					0	27.2	44
02/11/2022 18:20					0	26.7	47
02/11/2022 18:30					0	26.2	49
02/11/2022 18:40	0	333	5	0.1	0	25.9	54
02/11/2022 18:50					0	25.7	57
02/11/2022 19:00					0	25.6	54
02/11/2022 19:10					0	25.7	51
02/11/2022 19:20					0	25.3	56
02/11/2022 19:30	0	267	3	0.1	0	25.1	56
02/11/2022 19:40					0	25.5	48
02/11/2022 19:50					0	25.2	57
02/11/2022 20:00	0	255	2	0	0	24.5	63
02/11/2022 20:10					0	24.4	67
02/11/2022 20:20	0	267	3	0	0	24.3	67
02/11/2022 20:30	0	257	5	0	0	24.3	67
02/11/2022 20:40					0	24.1	70
02/11/2022 20:50					0	24	70
02/11/2022 21:00	0	258	3	0	0	23.9	69
02/11/2022 21:10	0	257	4	0.1	0	23.7	68
02/11/2022 21:20	0	254	3	0.1	0	23.5	68
02/11/2022 21:30	0	260	3	0.1	0	23.6	68
02/11/2022 21:40					0	23.5	67
02/11/2022 21:50					0	23.3	67
02/11/2022 22:00					0	23.3	67
02/11/2022 22:10	0	254	4	0.1	0	23	70
02/11/2022 22:20					0	22.9	69
02/11/2022 22:30	0	259	2	0.1	0	22.8	69
02/11/2022 22:40	0	258	4	0.1	0	22.7	68
02/11/2022 22:50	0.1	261	3	1.8	0	22.6	67
02/11/2022 23:00	0	268	3	0.1	0	22.7	66
02/11/2022 23:10	0	263	3	0.2	0	22.8	64
02/11/2022 23:20	0	264	3	0.1	0	22.6	64
02/11/2022 23:30					0	22.5	63
02/11/2022 23:40	0	261	2	0.2	0	22.7	62
02/11/2022 23:50	0	255	4	0.2	0	22.7	61
03/11/2022 00:00					0	22.9	59
03/11/2022 00:10	0	257	5	0.2	0	22.9	58



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/11/2022 00:20					0	22.8	56
03/11/2022 00:30	0	263	2	0.1	0	22.7	56
03/11/2022 00:40					0	22.8	57
03/11/2022 00:50	0	262	2	0.1	0	22.9	54
03/11/2022 01:00					0	22.9	53
03/11/2022 01:10					0	22.8	53
03/11/2022 01:20					0	22.8	52
03/11/2022 01:30					0	23.1	50
03/11/2022 01:40					0	23.2	49
03/11/2022 01:50					0	23.5	47
03/11/2022 02:00					0	23.8	45
03/11/2022 02:10					0	24.6	42
03/11/2022 02:20					0	24.5	42
03/11/2022 02:30	0	240	2	0.3	0	24	43
03/11/2022 02:40					0	24.1	43
03/11/2022 02:50	0	263	5	0.3	0	22.7	50
03/11/2022 03:00					0	22.4	53
03/11/2022 03:10					0	22.3	53
03/11/2022 03:20					0	22.4	51
03/11/2022 03:30					0	22.1	52
03/11/2022 03:40					0	21.9	52
03/11/2022 03:50					0	22.2	50
03/11/2022 04:00					0	22	49
03/11/2022 04:10					0	22.4	47
03/11/2022 04:20	0	201	14	0.9	0	22.8	44
03/11/2022 04:30	0	198	7	0.1	0	23	43
03/11/2022 04:40					0	23.2	40
03/11/2022 04:50					0	23.1	38
03/11/2022 05:00					0	23.3	36
03/11/2022 05:10					0	22.8	38
03/11/2022 05:20					0	22.7	36
03/11/2022 05:30					0	22.9	35
03/11/2022 05:40					0	22.9	34
03/11/2022 05:50					0	22.9	34
03/11/2022 06:00					0	23.8	32
03/11/2022 06:10					0	24.1	32
03/11/2022 06:20					0	24.8	31
03/11/2022 06:30	0	172	0	0.1	0	25.6	28
03/11/2022 06:40	0	172	0	0.1	0	25.6	27
03/11/2022 06:50	0	171	0	0.1	0	26.4	24
03/11/2022 07:00					0	26.5	24
03/11/2022 07:10					0	26.2	27
03/11/2022 07:20					0	25.9	30
03/11/2022 07:30					0	25.7	34
03/11/2022 07:40					0	25.9	37
03/11/2022 07:50					0	26.2	37
03/11/2022 08:00					0	26	37
03/11/2022 08:10					0	26.7	36



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/11/2022 08:20					0	27.6	35
03/11/2022 08:30					0	27.5	36
03/11/2022 08:40					0	27.8	38
03/11/2022 08:50					0	28.2	40
03/11/2022 09:00					0	28.7	38
03/11/2022 09:10					0	28.8	38
03/11/2022 09:20					0	29	36
03/11/2022 09:30	0	68	1	0.3	0	29.4	33
03/11/2022 09:40					0	29.6	31
03/11/2022 09:50					0	29.7	29
03/11/2022 10:00					0	29.6	27
03/11/2022 10:10					0	29.8	26
03/11/2022 10:20					0	30.1	24
03/11/2022 10:30					0	29.7	23
03/11/2022 10:40					0	30.1	23
03/11/2022 10:50					0	30.3	24
03/11/2022 11:00					0	30.3	24
03/11/2022 11:10					0	30.3	23
03/11/2022 11:20					0	30.5	23
03/11/2022 11:30					0	30.4	23
03/11/2022 11:40					0	30.8	24
03/11/2022 11:50					0	31	23
03/11/2022 12:00					0	31.7	21
03/11/2022 12:10					0	31.8	21
03/11/2022 12:20					0	31.7	21
03/11/2022 12:30					0	31.8	21
03/11/2022 12:40					0	31.3	23
03/11/2022 12:50					0	32.1	22
03/11/2022 13:00					0	32.3	21
03/11/2022 13:10					0	32.6	20
03/11/2022 13:20					0	32.5	20
03/11/2022 13:30					0	32.9	19
03/11/2022 13:40					0	33.1	19
03/11/2022 13:50					0	33.6	18
03/11/2022 14:00					0	33	26
03/11/2022 14:10					0	32.6	26
03/11/2022 14:20					0	33.1	26
03/11/2022 14:30					0	32.7	29
03/11/2022 14:40					0	31.8	34
03/11/2022 14:50					0	31.1	37
03/11/2022 15:00					0	30.8	38
03/11/2022 15:10					0	30.6	38
03/11/2022 15:20					0	30.8	38
03/11/2022 15:30					0	30.4	38
03/11/2022 15:40					0	30.7	37
03/11/2022 15:50					0	30.3	38
03/11/2022 16:00					0	30.1	38
03/11/2022 16:10					0	30.3	38



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/11/2022 16:20					0	29.9	39
03/11/2022 16:30					0	29.6	40
03/11/2022 16:40	0	334	2	0.1	0	29.4	41
03/11/2022 16:50					0	29.3	41
03/11/2022 17:00	0	335	2	0.3	0	29.6	39
03/11/2022 17:10					0	29.3	40
03/11/2022 17:20	0	333	2	0.1	0	28.3	46
03/11/2022 17:30	0	332	2	0.2	0	27.9	48
03/11/2022 17:40	0	335	3	0.3	0	27.6	49
03/11/2022 17:50	0	336	4	0.5	0	27.4	51
03/11/2022 18:00	0	342	3	0.4	0	27.1	52
03/11/2022 18:10	0	341	3	0	0	27	51
03/11/2022 18:20	0	339	3	0.1	0	26.9	52
03/11/2022 18:30	0	342	2	0.1	0	26.5	56
03/11/2022 18:40	0	329	5	0	0	26.2	59
03/11/2022 18:50	0	323	5	0	0	26.1	61
03/11/2022 19:00	0	311	6	0	0	26	62
03/11/2022 19:10	0	286	7	0.1	0	25.9	61
03/11/2022 19:20	0	280	6	0.1	0	25.9	59
03/11/2022 19:30	0	279	6	0.1	0	26	58
03/11/2022 19:40	0	265	5	0	0	25.8	58
03/11/2022 19:50					0	25.5	62
03/11/2022 20:00					0	25.2	65
03/11/2022 20:10					0	25	70
03/11/2022 20:20					0	24.8	72
03/11/2022 20:30					0	24.7	71
03/11/2022 20:40					0	24.6	71
03/11/2022 20:50					0	24.5	71
03/11/2022 21:00					0	24.4	71
03/11/2022 21:10					0	24.2	71
03/11/2022 21:20					0	24.1	70
03/11/2022 21:30					0	24.1	70
03/11/2022 21:40					0	24	70
03/11/2022 21:50					0	24	71
03/11/2022 22:00					0	23.9	72
03/11/2022 22:10					0	23.9	71
03/11/2022 22:20					0	23.8	67
03/11/2022 22:30					0	23.8	66
03/11/2022 22:40					0	23.6	65
03/11/2022 22:50					0	23.6	65
03/11/2022 23:00					0	23.8	63
03/11/2022 23:10					0	24.2	60
03/11/2022 23:20					0	24.3	60
03/11/2022 23:30					0	24.3	60
03/11/2022 23:40					0	24.3	58
03/11/2022 23:50					0	24.1	58
04/11/2022 00:00					0	24.2	55
04/11/2022 00:10					0	25.5	49



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/11/2022 00:20					0	25.2	48
04/11/2022 00:30					0	24.4	50
04/11/2022 00:40					0	24.2	50
04/11/2022 00:50	0	225	0	0.1	0	24	49
04/11/2022 01:00					0	23.9	49
04/11/2022 01:10	0	234	4	0.2	0	24.3	48
04/11/2022 01:20					0	24.3	48
04/11/2022 01:30					0	24.2	48
04/11/2022 01:40	0	253	5	0.1	0	24.3	48
04/11/2022 01:50					0	24	49
04/11/2022 02:00					0	24	48
04/11/2022 02:10					0	23.7	49
04/11/2022 02:20					0	23.6	49
04/11/2022 02:30	0	267	3	0.1	0	23.3	50
04/11/2022 02:40	0	255	5	0.1	0	23.4	49
04/11/2022 02:50					0	23.5	48
04/11/2022 03:00					0	23.8	47
04/11/2022 03:10					0	24	45
04/11/2022 03:20	0	258	4	0	0	23.9	46
04/11/2022 03:30					0	23.7	46
04/11/2022 03:40					0	23.5	46
04/11/2022 03:50					0	23.3	47
04/11/2022 04:00					0	23.2	47
04/11/2022 04:10					0	23	48
04/11/2022 04:20	0	227	0	0.1	0	22.8	48
04/11/2022 04:30					0	22.9	47
04/11/2022 04:40					0	23.3	43
04/11/2022 04:50					0	23.7	40
04/11/2022 05:00					0	23.7	39
04/11/2022 05:10					0	23.7	40
04/11/2022 05:20					0	23.9	38
04/11/2022 05:30					0	23.9	39
04/11/2022 05:40					0	22.6	44
04/11/2022 05:50					0	22.8	43
04/11/2022 06:00					0	23.4	43
04/11/2022 06:10					0	23.9	43
04/11/2022 06:20					0	24.2	44
04/11/2022 06:30					0	24.8	42
04/11/2022 06:40					0	25.5	39
04/11/2022 06:50	0	255	3	0.1	0	26	38
04/11/2022 07:00					0	26.7	36
04/11/2022 07:10					0	27.3	34
04/11/2022 07:20					0	27.8	32
04/11/2022 07:30	0	223	4	0	0	28.6	28
04/11/2022 07:40	0	233	6	0.1	0	28.7	27
04/11/2022 07:50					0	28.7	26
04/11/2022 08:00					0	29.2	26
04/11/2022 08:10	0	197	2	0.1	0	29.3	25





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/11/2022 08:20	0	191	5	0.1	0	29.6	26
04/11/2022 08:30					0	29.7	26
04/11/2022 08:40	0	198	7	0.1	0	30.3	24
04/11/2022 08:50					0	30.6	24
04/11/2022 09:00					0	30.8	24
04/11/2022 09:10	0	198	11	0	0	31.3	22
04/11/2022 09:20					0	31.6	21
04/11/2022 09:30					0	32.3	20
04/11/2022 09:40					0	32.8	20
04/11/2022 09:50					0	33	19
04/11/2022 10:00					0	33.3	18
04/11/2022 10:10					0	34.1	18
04/11/2022 10:20					0	34.4	16
04/11/2022 10:30					0	34.2	16
04/11/2022 10:40					0	34.5	16
04/11/2022 10:50					0	34.5	17
04/11/2022 11:00					0	34.1	16
04/11/2022 11:10					0	33.8	16
04/11/2022 11:20					0	33.7	15
04/11/2022 11:30					0	33.6	15
04/11/2022 11:40					0	33.4	15
04/11/2022 11:50					0	33.4	15
04/11/2022 12:00					0	33	16
04/11/2022 12:10					0	33.4	16
04/11/2022 12:20					0	33.5	16
04/11/2022 12:30					0	33.4	16
04/11/2022 12:40					0	33.5	15
04/11/2022 12:50					0	33.4	15
04/11/2022 13:00					0	33.7	15
04/11/2022 13:10					0	34.2	14
04/11/2022 13:20					0	34.6	15
04/11/2022 13:30					0	34.7	17
04/11/2022 13:40					0	34.6	21
04/11/2022 13:50					0	33.8	25
04/11/2022 14:00					0	33.6	25
04/11/2022 14:10					0	33.7	25
04/11/2022 14:20					0	33.6	24
04/11/2022 14:30					0	33.7	24
04/11/2022 14:40					0	33.3	25
04/11/2022 14:50					0	33.4	24
04/11/2022 15:00					0	33.2	25
04/11/2022 15:10					0	33.1	24
04/11/2022 15:20					0	33.1	25
04/11/2022 15:30					0	33.4	25
04/11/2022 15:40					0	33.1	26
04/11/2022 15:50					0	33.1	26
04/11/2022 16:00					0	32.7	27
04/11/2022 16:10					0	32.3	26



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/11/2022 16:20					0	32.5	26
04/11/2022 16:30					0	32.6	26
04/11/2022 16:40					0	32.3	26
04/11/2022 16:50					0	32	27
04/11/2022 17:00					0	32.1	25
04/11/2022 17:10					0	32.1	25
04/11/2022 17:20					0	31.6	25
04/11/2022 17:30					0	31.7	25
04/11/2022 17:40					0	31.6	25
04/11/2022 17:50					0	31.4	25
04/11/2022 18:00					0	31.1	26
04/11/2022 18:10					0	30.6	27
04/11/2022 18:20					0	30.1	30
04/11/2022 18:30					0	29.4	34
04/11/2022 18:40					0	28.9	41
04/11/2022 18:50					0	28.1	51
04/11/2022 19:00					0	27.6	55
04/11/2022 19:10					0	27.1	59
04/11/2022 19:20	0	260	2	0.1	0	27	57
04/11/2022 19:30					0	26.8	57
04/11/2022 19:40					0	26.8	54
04/11/2022 19:50	0	267	2	0.1	0	26.6	57
04/11/2022 20:00	0	268	3	0	0	26.4	60
04/11/2022 20:10					0	26.2	62
04/11/2022 20:20					0	26.2	63
04/11/2022 20:30					0	26	65
04/11/2022 20:40					0	25.9	66
04/11/2022 20:50					0	25.7	68
04/11/2022 21:00	0	269	3	0.1	0	25.6	70
04/11/2022 21:10					0	25.6	69
04/11/2022 21:20	0	264	3	0.1	0	25.6	70
04/11/2022 21:30	0	269	2	0.1	0	25.5	71
04/11/2022 21:40					0	25.5	70
04/11/2022 21:50	0	267	2	0.1	0	25.5	68
04/11/2022 22:00					0	25.5	69
04/11/2022 22:10					0	25.5	69
04/11/2022 22:20	0	269	2	0.3	0	25.4	69
04/11/2022 22:30	0	264	3	0.1	0	25.4	69
04/11/2022 22:40	0	262	4	0.1	0	25.4	68
04/11/2022 22:50	0	261	1	0.1	0	25.3	70
04/11/2022 23:00	0	267	3	0.1	0	25.2	72
04/11/2022 23:10	0	262	4	0.1	0	25.1	75
04/11/2022 23:20	0	261	4	0.1	0	25.1	76
04/11/2022 23:30	0	260	3	0.1	0	25.1	77
04/11/2022 23:40	0	260	4	0.4	0	25	78
04/11/2022 23:50	0	257	3	0.1	0	24.9	79
05/11/2022 00:00	0	260	1	0	0	24.7	81
05/11/2022 00:10	0	259	3	0.6	0	24.6	81



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
05/11/2022 00:20	0	258	4	0.7	0	24.5	82
05/11/2022 00:30	0	255	2	0.1	0	24.5	83
05/11/2022 00:40	0	258	2	0.7	0	24.4	83
05/11/2022 00:50	0	259	3	0.6	0	24.4	83
05/11/2022 01:00	0.1	254	4	1.8	0	24.3	83
05/11/2022 01:10	0	258	2	0	0	24.2	83
05/11/2022 01:20	0.1	256	4	0.7	0	24.1	83
05/11/2022 01:30	0	255	2	0.7	0	24	84
05/11/2022 01:40	0.1	256	5	0.9	0	24	84
05/11/2022 01:50	0	256	3	0.6	0	23.9	85
05/11/2022 02:00	0	257	2	0.1	0	23.8	86
05/11/2022 02:10	0.1	255	3	0.9	0	23.7	87
05/11/2022 02:20	0.1	255	4	0.8	0	23.8	87
05/11/2022 02:30	0.2	255	5	2.3	0	23.8	86
05/11/2022 02:40	0	255	2	0.1	0	23.8	87
05/11/2022 02:50	0.1	254	4	0.9	0	23.8	87
05/11/2022 03:00	0.1	252	5	1.2	0	23.7	87
05/11/2022 03:10	0.1	257	3	0.9	0	23.7	87
05/11/2022 03:20	0.1	256	3	1.1	0	23.7	87
05/11/2022 03:30	0	252	2	0.8	0	23.6	88
05/11/2022 03:40	0	254	2	0	0	23.6	88
05/11/2022 03:50	0	254	2	0.1	0	23.6	88
05/11/2022 04:00	0	254	4	0.1	0	23.5	88
05/11/2022 04:10	0	262	1	0	0	23.4	88
05/11/2022 04:20	0	267	3	0.9	0	23.3	89
05/11/2022 04:30	0.1	269	4	1.7	0	23.3	89
05/11/2022 04:40	0.1	268	3	1.3	0	23.3	90
05/11/2022 04:50	0.1	267	3	0.9	0	23.3	90
05/11/2022 05:00	0.1	272	3	1	0	23.3	90
05/11/2022 05:10	0	268	2	0.1	0	23.2	90
05/11/2022 05:20	0.1	269	6	1.8	0	23.2	90
05/11/2022 05:30	0.1	274	3	1.1	0	23.2	90
05/11/2022 05:40	0.1	277	4	0.9	0	23.2	90
05/11/2022 05:50	0	273	2	0.1	0	23.2	90
05/11/2022 06:00	0	268	3	0.1	0	23.3	90
05/11/2022 06:10	0	279	3	0.3	0	23.5	90
05/11/2022 06:20	0.1	281	3	0.9	0	23.7	89
05/11/2022 06:30	0	286	2	0	0	23.9	88
05/11/2022 06:40	0.1	281	3	1.1	0	24.2	87
05/11/2022 06:50	0	277	4	0.2	0	24.5	85
05/11/2022 07:00	0	280	4	0.2	0	25	82
05/11/2022 07:10	0.1	280	8	1	0	25.4	80
05/11/2022 07:20	0	294	6	0.2	0	25.8	77
05/11/2022 07:30	0	291	6	0.1	0	26.1	76
05/11/2022 07:40	0	305	5	0.1	0	26.5	73
05/11/2022 07:50	0	320	4	0.1	0	26.7	72
05/11/2022 08:00	0	300	2	0.1	0	26.9	71
05/11/2022 08:10	0	296	3	0.1	0	27	72



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
05/11/2022 08:20	0	301	6	0.1	0	27.4	71
05/11/2022 08:30	0	321	2	0.1	0	27.1	72
05/11/2022 08:40	0	316	3	0.1	0	26.8	73
05/11/2022 08:50	0	310	3	0.1	0	27.4	70
05/11/2022 09:00	0	303	5	0.1	0	27.8	69
05/11/2022 09:10	0	298	4	0.1	0	27.5	68
05/11/2022 09:20	0	302	7	0.1	0	28.1	65
05/11/2022 09:30	0	312	4	0.1	0	28.1	64
05/11/2022 09:40	0	312	4	0	0	28.5	62
05/11/2022 09:50	0	280	9	0	0	29	60
05/11/2022 10:00	0	291	5	0	0	29.2	58
05/11/2022 10:10	0	297	2	0.1	0	29	58
05/11/2022 10:20	0	282	5	0	0	29.2	57
05/11/2022 10:30	0	285	3	0.1	0	29	58
05/11/2022 10:40	0	298	6	0	0	29.7	55
05/11/2022 10:50	0	308	3	0	0	28.9	56
05/11/2022 11:00	0	308	2	0	0	29.1	56
05/11/2022 11:10	0	311	3	0	0	29.3	55
05/11/2022 11:20	0	289	3	0	0	30.1	51
05/11/2022 11:30	0	301	5	0.1	0	29.8	51
05/11/2022 11:40	0	305	5	0	0	29.7	50
05/11/2022 11:50	0	319	4	0	0	30.3	48
05/11/2022 12:00	0	309	3	0	0	30	52
05/11/2022 12:10	0	312	2	0.4	0	29.1	56
05/11/2022 12:20	0	308	2	0	0	29	57
05/11/2022 12:30	0	302	5	0	0	29.1	58
05/11/2022 12:40	0	294	5	0.1	0	28.9	56
05/11/2022 12:50	0	299	4	0	0	29.6	53
05/11/2022 13:00	0	306	3	0	0	29.1	53
05/11/2022 13:10	0	299	5	0	0	29.3	53
05/11/2022 13:20	0	295	3	1	0	29	54
05/11/2022 13:30	0	305	3	0	0	29	52
05/11/2022 13:40	0	306	4	0	0	28.9	54
05/11/2022 13:50	0	296	2	0	0	28.8	54
05/11/2022 14:00	0	288	4	0	0	28.7	53
05/11/2022 14:10	0	297	3	0	0	29	52
05/11/2022 14:20	0	305	2	0	0	28.5	54
05/11/2022 14:30	0	322	0	0	0	28.5	53
05/11/2022 14:40	0	316	4	0	0	29	51
05/11/2022 14:50	0	322	3	0.3	0	28.9	51
05/11/2022 15:00	0	314	3	0	0	29.3	55
05/11/2022 15:10	0	314	5	0	0	28.5	60
05/11/2022 15:20	0	303	3	0	0	28.6	59
05/11/2022 15:30	0	289	4	0	0	28.5	60
05/11/2022 15:40	0	313	6	0	0	29	60
05/11/2022 15:50	0	308	2	0	0	28.1	63
05/11/2022 16:00	0	307	2	0.1	0	28.1	64
05/11/2022 16:10	0	309	4	0	0	27.4	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
05/11/2022 16:20	0	315	5	0	0	27.4	68
05/11/2022 16:30	0	304	4	0	0	26.9	70
05/11/2022 16:40	0	311	5	0	0	26.8	70
05/11/2022 16:50	0	304	4	0.1	0	26.5	72
05/11/2022 17:00	0	305	4	0.1	0	26.3	72
05/11/2022 17:10	0	305	4	0	0	26	73
05/11/2022 17:20	0	296	4	0.1	0	26.2	72
05/11/2022 17:30	0	308	5	0.1	0	26.5	71
05/11/2022 17:40	0	303	7	0.1	0	26.3	71
05/11/2022 17:50	0	316	6	0	0	25.9	73
05/11/2022 18:00	0	314	6	0	0	25.8	74
05/11/2022 18:10	0	316	6	0.1	0	25.6	74
05/11/2022 18:20	0	314	6	0.1	0	25.4	75
05/11/2022 18:30	0	287	6	0.1	0	25.4	75
05/11/2022 18:40	0	279	4	0.1	0	25.3	73
05/11/2022 18:50	0	281	3	0.1	0	25.2	73
05/11/2022 19:00	0	280	6	0.1	0	25.2	74
05/11/2022 19:10	0	281	5	0.1	0	25.2	76
05/11/2022 19:20	0	281	7	0.2	0	25.2	76
05/11/2022 19:30	0	280	4	0.1	0	25.1	77
05/11/2022 19:40	0	278	5	0.2	0	25.1	78
05/11/2022 19:50	0	283	5	0.1	0	25.1	77
05/11/2022 20:00	0	283	6	0.1	0	25.1	78
05/11/2022 20:10	0	286	5	0.2	0	25	79
05/11/2022 20:20	0	289	6	0.2	0	24.9	79
05/11/2022 20:30	0	281	4	0.1	0	24.8	80
05/11/2022 20:40	0	285	5	0.1	0	24.7	80
05/11/2022 20:50	0	282	6	0.1	0	24.7	79
05/11/2022 21:00	0	277	6	0.1	0	24.7	78
05/11/2022 21:10	0	282	4	0.1	0	24.8	79
05/11/2022 21:20	0	277	7	0.1	0	24.7	79
05/11/2022 21:30	0	271	6	0.3	0	24.7	79
05/11/2022 21:40	0	276	7	0.2	0	24.7	79
05/11/2022 21:50	0	268	6	0.2	0	24.7	80
05/11/2022 22:00	0	265	6	0.3	0	24.7	80
05/11/2022 22:10	0	267	6	0.1	0	24.7	81
05/11/2022 22:20	0.1	272	4	0.5	0	24.6	82
05/11/2022 22:30	0.1	274	7	0.5	0	24.6	82
05/11/2022 22:40	0.1	272	5	0.7	0	24.6	82
05/11/2022 22:50	0	263	3	0	0	24.6	81
05/11/2022 23:00	0.1	269	5	0.6	0	24.7	81
05/11/2022 23:10	0.1	270	5	0.7	0	24.6	80
05/11/2022 23:20	0	269	3	0	0	24.6	79
05/11/2022 23:30	0.1	269	5	0.9	0	24.6	79
05/11/2022 23:40	0.1	266	5	0.8	0	24.6	79
05/11/2022 23:50	0	265	3	0.1	0	24.5	80
06/11/2022 00:00	0	263	2	0.7	0	24.5	80
06/11/2022 00:10	0	266	4	0.6	0	24.5	80



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/11/2022 00:20	0	265	3	0	0	24.5	79
06/11/2022 00:30	0	264	4	0.2	0	24.5	78
06/11/2022 00:40	0	263	4	0.8	0	24.5	78
06/11/2022 00:50	0	264	4	0.1	0	24.5	78
06/11/2022 01:00	0	260	4	0.5	0	24.6	77
06/11/2022 01:10	0	257	3	0	0	24.6	75
06/11/2022 01:20	0	256	3	0.3	0	24.6	75
06/11/2022 01:30	0.1	262	5	0.9	0	24.6	74
06/11/2022 01:40	0	259	5	0.2	0	24.5	73
06/11/2022 01:50	0	257	4	0.2	0	24.5	72
06/11/2022 02:00	0.1	258	5	0.9	0	24.5	72
06/11/2022 02:10	0	255	4	0.3	0	24.5	72
06/11/2022 02:20	0	251	3	0.4	0	24.5	72
06/11/2022 02:30	0	252	2	0.2	0	24.4	69
06/11/2022 02:40	0	249	2	0.2	0	24.4	64
06/11/2022 02:50	0	256	5	0.5	0	24.4	61
06/11/2022 03:00	0	258	2	0.2	0	24.4	60
06/11/2022 03:10	0	258	2	0.1	0	24.3	60
06/11/2022 03:20	0	252	5	0.4	0	24.1	60
06/11/2022 03:30	0	250	3	1.3	0	23.9	62
06/11/2022 03:40	0	250	3	0.2	0	23.7	62
06/11/2022 03:50	0	252	3	0.5	0	23.7	60
06/11/2022 04:00	0	256	2	1.3	0	23.6	60
06/11/2022 04:10	0	254	2	0.1	0	23.4	60
06/11/2022 04:20	0	247	3	0.3	0	23.2	60
06/11/2022 04:30	0	248	3	0.5	0	23.1	60
06/11/2022 04:40	0	248	3	0.2	0	22.9	60
06/11/2022 04:50	0	242	4	1.1	0	22.7	62
06/11/2022 05:00	0.2	253	3	3.3	0	22.6	63
06/11/2022 05:10	0.1	252	4	2.3	0	22.4	64
06/11/2022 05:20	0	250	3	1.2	0	22.2	65
06/11/2022 05:30	0	243	4	0.5	0	22.1	65
06/11/2022 05:40	0	252	1	1.3	0	22	65
06/11/2022 05:50	0	252	3	1	0	21.9	65
06/11/2022 06:00	0	246	4	0.6	0	21.9	66
06/11/2022 06:10	0	253	4	0.3	0	21.7	64
06/11/2022 06:20	0	244	3	0.5	0	21.8	64
06/11/2022 06:30	0	245	2	0.1	0	22	63
06/11/2022 06:40	0	248	2	0.6	0	21.8	63
06/11/2022 06:50	0	252	1	0	0	22	62
06/11/2022 07:00	0	261	3	0.2	0	22	62
06/11/2022 07:10	0	253	3	0.5	0	21.6	62
06/11/2022 07:20	0	250	3	0	0	21.7	62
06/11/2022 07:30	0	250	4	0.4	0	21.9	61
06/11/2022 07:40	0	248	3	0.2	0	22.2	61
06/11/2022 07:50	0	256	2	0.4	0	22.4	61
06/11/2022 08:00	0	260	2	0.2	0	22.3	61
06/11/2022 08:10	0	256	2	0.1	0	22.5	60



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/11/2022 08:20	0	243	2	0.3	0	22.6	60
06/11/2022 08:30	0	250	5	0.1	0	22.6	61
06/11/2022 08:40	0	281	3	0	0	22.6	62
06/11/2022 08:50	0	262	7	0.4	0	23.8	57
06/11/2022 09:00	0	279	3	0.2	0	23.8	56
06/11/2022 09:10	0	272	5	0.2	0	24.2	55
06/11/2022 09:20	0	268	5	0.2	0	24.7	54
06/11/2022 09:30	0.1	273	5	1.2	0	24.1	58
06/11/2022 09:40	0.1	261	7	1.3	0	24.4	59
06/11/2022 09:50	0.6	251	6	4.6	0	24.1	60
06/11/2022 10:00	0	255	3	0.4	0	24.2	59
06/11/2022 10:10	0	262	7	0.5	0	25	55
06/11/2022 10:20	0	255	4	0.1	0	25	54
06/11/2022 10:30	0	261	7	0.2	0	25.5	54
06/11/2022 10:40	0	268	5	0.1	0	25.1	55
06/11/2022 10:50	0	273	5	0.2	0	24.7	57
06/11/2022 11:00	0	269	4	0.1	0	24.4	58
06/11/2022 11:10	0	270	5	0.9	0	24.9	56
06/11/2022 11:20	0.7	268	10	5	0	25.2	56
06/11/2022 11:30	0	264	6	0.1	0	24.9	58
06/11/2022 11:40	0	272	6	0.6	0	24.9	55
06/11/2022 11:50	0	266	6	0.2	0	25.2	53
06/11/2022 12:00	0	269	5	0.1	0	25.8	53
06/11/2022 12:10	0	264	5	0.5	0	25.5	58
06/11/2022 12:20	0	269	5	0.2	0	25.6	56
06/11/2022 12:30	0	274	5	0.2	0	25.7	53
06/11/2022 12:40	0	269	6	0.1	0	25.7	53
06/11/2022 12:50	0.1	263	6	1.8	0	25.7	52
06/11/2022 13:00	0.1	264	8	1.4	0	26.5	49
06/11/2022 13:10	0.8	273	9	5.9	0	25.7	56
06/11/2022 13:20	1.2	268	8	6.5	0	25.5	56
06/11/2022 13:30	0.2	257	6	2.6	0	25.6	57
06/11/2022 13:40	0	263	2	0.2	0.2	25.7	58
06/11/2022 13:50	0	261	4	0.4	0	25.7	58
06/11/2022 14:00	0.1	265	3	1	0	25.4	58
06/11/2022 14:10	0.3	263	7	2.9	0	25.4	59
06/11/2022 14:20	0.2	261	6	2.9	0	25.5	58
06/11/2022 14:30	0.3	266	4	5.7	0	25.7	58
06/11/2022 14:40	0.3	258	5	2.4	0	25.8	57
06/11/2022 14:50	0.1	270	5	1.5	0	25.7	55
06/11/2022 15:00	0.4	263	8	2.9	0	25.9	53
06/11/2022 15:10	0.4	265	6	3.6	0	25.9	56
06/11/2022 15:20	0.5	271	6	4.6	0	25.8	57
06/11/2022 15:30	0.5	260	7	4	0	25.8	58
06/11/2022 15:40	0.7	270	6	4.9	0	25.8	58
06/11/2022 15:50	0.6	266	6	4.6	0	25.7	60
06/11/2022 16:00	1.2	259	8	4.2	0	25.6	61
06/11/2022 16:10	1.2	263	8	5.1	0.1	25.4	61



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/11/2022 16:20	1.5	259	9	4.5	0	25.4	61
06/11/2022 16:30	0.7	262	7	4.6	0	25.5	61
06/11/2022 16:40	0.9	261	5	4.5	0	25.1	62
06/11/2022 16:50	0.5	260	5	3.4	0	25.1	62
06/11/2022 17:00	0.8	259	5	4.8	0	25.1	62
06/11/2022 17:10	1	266	5	4.5	0	24.8	64
06/11/2022 17:20	0.8	264	6	5.1	0	24.8	64
06/11/2022 17:30	0.4	266	4	4.3	0	24.9	62
06/11/2022 17:40	0.4	265	5	5.2	0	24.3	64
06/11/2022 17:50	0.2	273	4	2.7	0	24.2	64
06/11/2022 18:00	0.1	279	4	1.1	0	24.2	66
06/11/2022 18:10	0.1	279	5	1.7	0	23.8	70
06/11/2022 18:20	0.1	274	3	1	0	23.7	71
06/11/2022 18:30	0	270	4	0.6	0	23.7	71
06/11/2022 18:40	0	277	7	0.2	0	23.5	72
06/11/2022 18:50	0	273	3	0.1	0	23.5	72
06/11/2022 19:00	0	273	3	0	0	23.4	73
06/11/2022 19:10	0	277	2	0.6	0	23.4	73
06/11/2022 19:20	0	273	3	0.1	0	23.5	72
06/11/2022 19:30	0	272	3	0.6	0	23.6	72
06/11/2022 19:40	0	273	4	1.4	0	23.6	71
06/11/2022 19:50	0.1	263	2	2.4	0	23.6	70
06/11/2022 20:00	0	266	3	0.3	0	23.6	70
06/11/2022 20:10	0.3	264	3	4.1	0	23.6	71
06/11/2022 20:20	0.1	264	5	2.8	0	23.6	72
06/11/2022 20:30	0.1	267	4	4.4	0	23.5	71
06/11/2022 20:40	0.1	267	3	2.3	0	23.5	71
06/11/2022 20:50	0	263	3	0.2	0	23.4	70
06/11/2022 21:00	0.1	267	5	1.2	0	23.4	71
06/11/2022 21:10	0.1	261	5	1.7	0	23.5	72
06/11/2022 21:20	0.3	264	4	3.7	0	23.5	72
06/11/2022 21:30	0.3	265	5	2.1	0	23.4	72
06/11/2022 21:40	0.3	262	5	2.6	0	23.4	71
06/11/2022 21:50	0.5	260	5	4.5	0	23.4	72
06/11/2022 22:00	0.2	267	5	4.1	0	23.4	73
06/11/2022 22:10	0.6	261	6	5.3	0	23.3	73
06/11/2022 22:20	0.5	261	6	4	0	23.3	73
06/11/2022 22:30	0.8	259	7	5.4	0	23.3	72
06/11/2022 22:40	0.4	256	6	4.2	0	23.3	72
06/11/2022 22:50	0.3	257	6	3.9	0	23.3	72
06/11/2022 23:00	0.9	257	6	5.4	0	23.3	71
06/11/2022 23:10	0.7	257	7	4.4	0	23.3	71
06/11/2022 23:20	0.7	256	6	4.2	0	23.2	72
06/11/2022 23:30	1.4	252	7	5	0	23.2	72
06/11/2022 23:40	1	254	7	6.4	0	23.1	72
06/11/2022 23:50	0.4	253	5	3.5	0	23.1	73
07/11/2022 00:00	0.8	246	8	5.1	0	23	72
07/11/2022 00:10	0.5	252	6	4.8	0	23	72





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
07/11/2022 00:20	0.3	254	5	3.4	0	23	72
07/11/2022 00:30	0.3	254	6	2.3	0	23	72
07/11/2022 00:40	0.2	252	5	2.4	0	23	72
07/11/2022 00:50	0.3	252	5	4.3	0	22.9	73
07/11/2022 01:00	0.3	251	3	3.7	0	22.8	72
07/11/2022 01:10	0.3	255	5	3	0	22.8	71
07/11/2022 01:20	0.3	248	4	4	0	22.8	69
07/11/2022 01:30	0	242	3	0.5	0	22.7	69
07/11/2022 01:40	0	250	2	0.3	0	22.6	69
07/11/2022 01:50	0.1	239	6	1.4	0	22.6	69
07/11/2022 02:00	0.1	242	4	2.2	0	22.4	69
07/11/2022 02:10	0.3	239	7	4.1	0	22.3	68
07/11/2022 02:20	0.1	236	6	2.2	0	22.2	68
07/11/2022 02:30	0.3	240	5	3.3	0	21.9	68
07/11/2022 02:40	0.3	243	5	3.4	0	21.7	68
07/11/2022 02:50	0.2	241	6	3.5	0	21.6	68
07/11/2022 03:00	0.5	243	6	4.8	0	21.5	66
07/11/2022 03:10	0.3	242	7	2.6	0	21.4	66
07/11/2022 03:20	0.5	242	7	3.5	0	21.2	65
07/11/2022 03:30	0.2	242	5	2.5	0	21	65
07/11/2022 03:40	0.2	243	6	1.9	0	21	64
07/11/2022 03:50	0.1	243	7	1.9	0	20.9	64
07/11/2022 04:00	0.1	241	4	1	0	20.5	68
07/11/2022 04:10	0	243	5	1.1	0	20.2	68
07/11/2022 04:20	0	242	6	0.6	0	20.3	67
07/11/2022 04:30	0	240	5	0.4	0	20.4	66
07/11/2022 04:40	0.1	244	6	1.4	0.1	20.4	65
07/11/2022 04:50	0	245	5	0.5	0.1	20.5	64
07/11/2022 05:00	0	240	4	0.6	0	20.5	65
07/11/2022 05:10	0.1	244	4	1.3	0	20.4	65
07/11/2022 05:20	0.1	242	4	1.3	0	20.4	64
07/11/2022 05:30	0.1	244	6	1.2	0	20.4	63
07/11/2022 05:40	0.1	240	6	0.8	0	20.4	63
07/11/2022 05:50	0	241	4	0.6	0	20.5	62
07/11/2022 06:00	0	241	4	0.7	0	20.5	62
07/11/2022 06:10	0	236	4	0.1	0	20.7	61
07/11/2022 06:20	0	239	4	0.3	0	20.8	61
07/11/2022 06:30	0	237	4	1.2	0	20.9	61
07/11/2022 06:40	0	245	5	0.1	0	20.9	61
07/11/2022 06:50	0	243	5	0.2	0	21	61
07/11/2022 07:00	0	240	4	0.2	0	21	61
07/11/2022 07:10	0	227	4	0.2	0	21.2	60
07/11/2022 07:20	0	230	4	0.1	0	21.3	59
07/11/2022 07:30	0	237	3	0	0	21.7	59
07/11/2022 07:40	0	230	3	0.6	0	22.3	57
07/11/2022 07:50	0	226	6	0.5	0.1	22.6	55
07/11/2022 08:00	0	237	5	0.2	0.1	22.8	54
07/11/2022 08:10	0.1	237	5	0.8	0	22.9	52



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
07/11/2022 08:20	0	222	5	0.5	0.1	23.1	53
07/11/2022 08:30	0	239	3	0.5	0	23.5	52
07/11/2022 08:40	0	222	4	0.3	0	23.8	51
07/11/2022 08:50	0.2	236	7	2.3	0	23.9	50
07/11/2022 09:00	0.2	248	7	2.6	0	24.1	49
07/11/2022 09:10	0	246	4	1.2	0	24.3	49
07/11/2022 09:20	0.1	242	7	1.4	0	24.4	48
07/11/2022 09:30	0.1	254	6	1.5	0	24.7	48
07/11/2022 09:40	0.1	260	7	1.3	0	24.9	48
07/11/2022 09:50	0	271	4	0.3	0	25.1	47
07/11/2022 10:00	0.1	267	7	2.6	0	25	48
07/11/2022 10:10	0.2	261	7	3.5	0	25.2	48
07/11/2022 10:20	0	269	4	0.3	0	25.3	48
07/11/2022 10:30	0.1	267	7	2.7	0	25.5	47
07/11/2022 10:40	0.2	274	5	2.4	0	25.5	47
07/11/2022 10:50	0.1	266	7	1.9	0	25.5	47
07/11/2022 11:00	0.2	265	6	3.1	0	25.4	46
07/11/2022 11:10	0.3	270	8	3.9	0	25.8	46
07/11/2022 11:20	0.5	272	10	4	0	25.6	47
07/11/2022 11:30	0.5	270	5	3.8	0	25.8	48
07/11/2022 11:40	0.3	265	9	3	0	26	47
07/11/2022 11:50	0.8	263	6	4.2	0	26	46
07/11/2022 12:00	0.8	264	7	4.4	0	26.1	47
07/11/2022 12:10	1.3	265	7	4.2	0	26.3	47
07/11/2022 12:20	2	266	8	5.2	0.1	26.2	46
07/11/2022 12:30	2.1	267	9	5.5	0	26	47
07/11/2022 12:40	0.1	269	4	1.8	0.1	26.1	49
07/11/2022 12:50	1.5	269	10	5.4	0.1	26.2	48
07/11/2022 13:00	2	271	8	5.3	0	26	48
07/11/2022 13:10	1.8	271	7	5.2	0	26.3	47
07/11/2022 13:20	2.3	266	8	5.4	0.3	26.3	47
07/11/2022 13:30	2.6	266	7	8.9	0	26	48
07/11/2022 13:40	2.1	260	10	5.2	0.3	25.3	50
07/11/2022 13:50	1.5	267	8	4.9	0.2	25.4	51
07/11/2022 14:00	2.3	264	10	6.1	0.5	26	50
07/11/2022 14:10	1.4	264	9	4.2	1	26.3	49
07/11/2022 14:20	1.8	263	9	5.7	0.7	26.4	47
07/11/2022 14:30	2.2	264	8	5	0.7	26.2	48
07/11/2022 14:40	1.8	266	7	4.7	0.1	26.3	47
07/11/2022 14:50	1.5	265	8	5.4	0.1	26	48
07/11/2022 15:00	1.2	264	8	4.5	0	25.3	51
07/11/2022 15:10	0.8	265	8	4.4	0	25.5	51
07/11/2022 15:20	1.2	268	6	4.6	0.2	25.6	50
07/11/2022 15:30	1.3	263	9	5.4	0.4	26.1	49
07/11/2022 15:40	1.1	261	7	4.9	0.2	25.9	51
07/11/2022 15:50	1.4	268	6	5.1	0.1	25.8	50
07/11/2022 16:00	0.8	264	8	3.4	0.5	26.1	49
07/11/2022 16:10	0.9	262	9	3.8	0	25.9	49



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
07/11/2022 16:20	0.4	264	6	3.8	0	26	49
07/11/2022 16:30	0.6	267	8	3.4	0.1	25.6	51
07/11/2022 16:40	0.5	265	6	4.1	0.4	25.9	51
07/11/2022 16:50	0.5	263	7	3.9	0	25.7	53
07/11/2022 17:00	0.6	266	6	2.8	0.1	25.3	54
07/11/2022 17:10	0.4	267	6	4.1	0.1	25.3	55
07/11/2022 17:20	0.2	267	4	2.8	0	25.1	55
07/11/2022 17:30	0.4	259	7	2.6	0	24.8	56
07/11/2022 17:40	0.1	263	5	1.7	0	24.7	56
07/11/2022 17:50	0.1	267	4	2.1	0	24.5	57
07/11/2022 18:00	0.2	266	6	2.9	0	24.5	58
07/11/2022 18:10	0.1	261	5	1.4	0	24.3	59
07/11/2022 18:20	0.2	261	4	3.1	0	24	62
07/11/2022 18:30	0.2	259	6	2	0.1	23.8	61
07/11/2022 18:40	0.1	264	5	1	0	23.7	62
07/11/2022 18:50	0.2	259	6	3.2	0	23.6	64
07/11/2022 19:00	0.2	260	6	5.2	0	23.5	65
07/11/2022 19:10	0.1	268	6	1.2	0	23.4	67
07/11/2022 19:20	0.1	263	6	1.4	0	23.4	67
07/11/2022 19:30	0	267	6	0.7	0	23.3	69
07/11/2022 19:40	0	265	8	0.5	0	23.2	69
07/11/2022 19:50	0.1	264	6	1.7	0	23.2	68
07/11/2022 20:00	0.1	258	8	1.5	0	23.2	68
07/11/2022 20:10	0	258	6	1	0	23.2	68
07/11/2022 20:20	0.1	257	7	1.4	0.2	23.2	69
07/11/2022 20:30	0.1	258	7	0.8	0	23.2	70
07/11/2022 20:40	0.5	259	7	3.7	0	23.1	70
07/11/2022 20:50	0.1	259	8	2.5	0	23.1	70
07/11/2022 21:00	0.3	260	9	2.9	0.1	23	70
07/11/2022 21:10	0.1	263	9	1.6	0	23	71
07/11/2022 21:20	0.2	262	6	2.1	0.1	23	71
07/11/2022 21:30	0.2	260	9	3.3	0	23	71
07/11/2022 21:40	0.1	259	9	1.3	0	22.9	71
07/11/2022 21:50	0.4	257	8	3.4	0	23	72
07/11/2022 22:00	0.2	259	8	2.6	0	22.9	71
07/11/2022 22:10	0.2	257	9	3.6	0	22.9	72
07/11/2022 22:20	0.2	255	8	3.1	0.1	22.9	71
07/11/2022 22:30	0.3	258	8	3.8	0	22.9	71
07/11/2022 22:40	0.3	258	7	2.3	0.1	22.9	72
07/11/2022 22:50	0.3	256	7	2.9	0	22.9	72
07/11/2022 23:00	0.4	257	8	4	0	22.9	72
07/11/2022 23:10	0.5	256	7	3.9	0	22.9	73
07/11/2022 23:20	0.2	254	10	2.7	0	22.9	73
07/11/2022 23:30	0.6	249	9	3.4	0	22.8	73
07/11/2022 23:40	1	252	8	4.8	0.1	22.8	73
07/11/2022 23:50	0.5	247	9	3.1	0.3	22.8	70
08/11/2022 00:00	0.6	249	8	6.1	0.4	22.7	69
08/11/2022 00:10	0.1	251	8	1.3	0	22.7	71



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
08/11/2022 00:20	0.4	245	9	3.5	0.2	22.6	70
08/11/2022 00:30	0.2	245	10	2.6	0.1	22.4	68
08/11/2022 00:40	0.5	244	9	5.4	0.2	22.3	64
08/11/2022 00:50	0.3	246	8	2.6	0.3	22.1	62
08/11/2022 01:00	0.1	248	8	0.9	0	21.8	61
08/11/2022 01:10	0.2	250	7	2.3	0.1	21.6	61
08/11/2022 01:20	0.2	251	8	2.1	0	21.5	60
08/11/2022 01:30	0.2	253	6	2.8	0	21.4	60
08/11/2022 01:40	0.3	252	7	2.3	0	21.3	60
08/11/2022 01:50	0.1	249	7	2.1	0	21.2	59
08/11/2022 02:00	0.1	250	6	1.6	0	21.1	58
08/11/2022 02:10	0.2	251	6	2.4	0	20.9	59
08/11/2022 02:20	0.1	252	7	0.7	0	20.8	59
08/11/2022 02:30	0.1	251	6	1.2	0	20.7	59
08/11/2022 02:40	0.1	253	7	1.9	0	20.6	58
08/11/2022 02:50	0	253	7	0.2	0	20.6	56
08/11/2022 03:00	0.1	253	7	1.6	0.1	20.6	56
08/11/2022 03:10	0	251	5	0.2	0	20.5	56
08/11/2022 03:20	0	249	4	0.1	0	20.3	58
08/11/2022 03:30	0	250	5	0.2	0	20.2	59
08/11/2022 03:40	0	250	5	0.2	0	20.1	61
08/11/2022 03:50	0	252	5	0.1	0	20	62
08/11/2022 04:00	0	255	5	0.2	0	19.9	62
08/11/2022 04:10	0	252	6	0.7	0.5	19.8	63
08/11/2022 04:20	0	253	4	0.1	0	19.7	63
08/11/2022 04:30	0	251	5	0.2	0	19.6	64
08/11/2022 04:40	0	250	6	0.1	0	19.5	64
08/11/2022 04:50	0	250	5	0.1	0	19.4	65
08/11/2022 05:00	0	252	7	0.1	0	19.3	66
08/11/2022 05:10	0	255	6	0.1	0	19.2	66
08/11/2022 05:20	0	253	7	0.1	0	19.1	67
08/11/2022 05:30	0	253	6	0.1	0	19.1	67
08/11/2022 05:40	0	253	5	0.2	0	19.2	67
08/11/2022 05:50	0	250	5	0.2	0	19.1	67
08/11/2022 06:00	0	251	5	0.7	0	19.3	67
08/11/2022 06:10	0	249	7	0.3	0	19.5	66
08/11/2022 06:20	0	253	6	0.9	0	19.7	64
08/11/2022 06:30	0	248	5	0.3	0	20.1	63
08/11/2022 06:40	0	245	7	0.3	0	20.7	61
08/11/2022 06:50	0	242	9	0.4	0	21.1	59
08/11/2022 07:00	0	235	7	0.3	0	21.3	58
08/11/2022 07:10	0	234	4	0.1	0	21.5	58
08/11/2022 07:20	0	239	4	0.1	0	21.5	57
08/11/2022 07:30	0	251	5	0.1	0	21.7	57
08/11/2022 07:40	0	246	3	0.2	0	21.9	56
08/11/2022 07:50	0	245	5	0.1	0	21.9	56
08/11/2022 08:00	0	239	5	0.1	0	21.9	56
08/11/2022 08:10	0	243	3	0	0	22.3	55



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
08/11/2022 08:20	0	247	4	0.1	0	22.4	55
08/11/2022 08:30	0	252	4	0.4	0	22.6	54
08/11/2022 08:40	0	254	6	0.3	0	22.9	55
08/11/2022 08:50	0	270	3	0.1	0	23	54
08/11/2022 09:00	0	265	3	0.1	0	22.9	53
08/11/2022 09:10	0	266	4	0.3	0	23.2	53
08/11/2022 09:20	0	261	6	0.2	0	23.3	52
08/11/2022 09:30	0	263	5	0.1	0	23.6	51
08/11/2022 09:40	0	267	4	0.1	0	23.8	52
08/11/2022 09:50	0	282	3	0	0	23.7	53
08/11/2022 10:00	0	284	3	0.2	0	23.8	53
08/11/2022 10:10	0	277	3	0.2	0	23.9	52
08/11/2022 10:20	0	275	2	0.5	0	24.2	50
08/11/2022 10:30	0	274	4	0.3	0	24.5	49
08/11/2022 10:40	0	279	3	0.6	0.3	24.5	48
08/11/2022 10:50	0.1	268	5	1.2	0	24.6	47
08/11/2022 11:00	0.1	273	4	1.6	0	24.9	46
08/11/2022 11:10	0	271	4	0.4	0	25	45
08/11/2022 11:20	0.2	277	5	1.8	0	25.1	45
08/11/2022 11:30	0.2	277	5	3.3	0	25.1	47
08/11/2022 11:40	0.3	275	5	2.8	0.1	24.8	49
08/11/2022 11:50	0.3	274	6	3.2	0	24.9	49
08/11/2022 12:00	0.3	266	7	2.9	0.1	25.5	48
08/11/2022 12:10	0.4	269	6	2.5	0	25.4	47
08/11/2022 12:20	0.4	261	9	2.5	0.1	25.6	46
08/11/2022 12:30	0.4	262	6	3.1	0	25.7	46
08/11/2022 12:40	0.6	267	8	3	0	25.7	45
08/11/2022 12:50	0.6	267	7	3	0.2	25.8	45
08/11/2022 13:00	0.6	260	9	3.9	0.3	25.9	44
08/11/2022 13:10	0.3	257	6	2.5	0	26.2	47
08/11/2022 13:20	0.6	262	8	2.5	0.3	25.7	49
08/11/2022 13:30	0.7	260	8	4	0.1	25.8	47
08/11/2022 13:40	0.6	263	8	3.2	0	25.7	49
08/11/2022 13:50	0.4	258	9	2.3	0.9	25.8	48
08/11/2022 14:00	0.4	259	6	3	0.5	25.8	48
08/11/2022 14:10	0.3	261	7	2.9	0.1	25.9	48
08/11/2022 14:20	0.2	267	6	2.1	0	25.7	50
08/11/2022 14:30	0.4	265	6	3.3	0	25.5	51
08/11/2022 14:40	0.2	261	6	2	0	25.5	52
08/11/2022 14:50	0.2	258	9	1.7	0.5	25.9	51
08/11/2022 15:00	0.1	265	7	1.2	0.1	25.8	52
08/11/2022 15:10	0.2	263	5	1.9	0	25.7	53
08/11/2022 15:20	0.2	270	5	1.3	0	25.5	55
08/11/2022 15:30	0.2	266	7	0.9	0	25.5	54
08/11/2022 15:40	0.1	273	4	1.5	0	25.1	55
08/11/2022 15:50	0.1	267	5	1.6	0	25.5	54
08/11/2022 16:00	0	264	4	0.5	0	25.3	55
08/11/2022 16:10	0.1	268	3	0.9	0	25.3	54



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
08/11/2022 16:20	0	260	3	0.6	0	25.5	54
08/11/2022 16:30	0.1	264	3	1.1	0.3	25.1	55
08/11/2022 16:40	0	266	3	0.8	0	25	57
08/11/2022 16:50	0.1	269	3	0.9	0	25.1	57
08/11/2022 17:00	0.1	264	6	0.8	0	24.8	58
08/11/2022 17:10	0	270	4	1	0	24.8	58
08/11/2022 17:20	0.1	264	8	1	0.1	24.8	58
08/11/2022 17:30	0.1	268	5	1	0	24.5	59
08/11/2022 17:40	0	267	4	0.9	0	24.4	60
08/11/2022 17:50	0	262	6	1.1	0	24.3	59
08/11/2022 18:00	0.1	265	3	1.9	0	24.2	61
08/11/2022 18:10	0	260	3	0.3	0	24.1	62
08/11/2022 18:20	0	261	5	0.5	0	23.8	63
08/11/2022 18:30	0	264	5	0.1	0	23.6	65
08/11/2022 18:40	0	263	4	0	0	23.5	66
08/11/2022 18:50	0	266	3	0.2	0	23.4	67
08/11/2022 19:00	0	261	5	0.1	0	23.3	67
08/11/2022 19:10	0	260	6	0.1	0	23.3	67
08/11/2022 19:20	0	260	8	0.2	0	23.3	68
08/11/2022 19:30	0	257	9	0.2	0	23.3	67
08/11/2022 19:40	0	256	6	0.1	0	23.3	67
08/11/2022 19:50	0.1	259	8	0.2	0	23.3	67
08/11/2022 20:00	0.1	257	8	1.1	0	23.2	67
08/11/2022 20:10	0.1	257	8	0.2	0.1	23.2	68
08/11/2022 20:20	0.1	254	8	0.2	0	23.2	69
08/11/2022 20:30	0.1	255	8	0.2	0	23.1	69
08/11/2022 20:40	0.1	253	8	0.7	0	23.1	71
08/11/2022 20:50	0.2	251	8	1.2	0	23	71
08/11/2022 21:00	0.1	251	8	0.4	0	22.9	72
08/11/2022 21:10	0.1	250	9	0.3	0	22.8	72
08/11/2022 21:20	0.1	249	7	0.2	0	22.8	73
08/11/2022 21:30	0.1	249	6	0.2	0	22.7	74
08/11/2022 21:40	0.1	248	9	0.3	0	22.7	73
08/11/2022 21:50	0.2	251	8	0.8	0	22.7	73
08/11/2022 22:00	0.1	249	8	0.4	0	22.7	74
08/11/2022 22:10	0.1	250	7	0.4	0	22.6	74
08/11/2022 22:20	0.1	250	8	0.3	0	22.6	74
08/11/2022 22:30	0.1	248	7	0.3	0.1	22.6	75
08/11/2022 22:40	0.1	250	9	0.4	0	22.5	75
08/11/2022 22:50	0.1	254	6	0.2	0	22.5	76
08/11/2022 23:00	0.1	249	9	0.3	0	22.5	76
08/11/2022 23:10	0.1	253	7	0.4	0	22.5	76
08/11/2022 23:20	0.1	250	8	0.3	0	22.4	77
08/11/2022 23:30	0.2	251	9	0.5	0	22.4	77
08/11/2022 23:40	0.2	252	9	0.4	0	22.3	77
08/11/2022 23:50	0.1	251	8	0.4	0	22.2	78
09/11/2022 00:00	0.1	248	8	0.4	0	22.1	78
09/11/2022 00:10	0.2	251	9	0.3	0	22	78



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/11/2022 00:20	0.1	252	8	0.4	0	22.1	77
09/11/2022 00:30	0.2	251	7	0.4	0	22.1	76
09/11/2022 00:40	0.2	249	8	0.5	0	22.2	75
09/11/2022 00:50	0.2	251	8	0.4	0	22.2	75
09/11/2022 01:00	0.2	252	9	0.5	0	22.2	75
09/11/2022 01:10	0.2	250	9	0.7	0.1	22.2	74
09/11/2022 01:20	0.2	249	9	0.6	0	22	73
09/11/2022 01:30	0.2	247	9	0.6	0.1	21.9	71
09/11/2022 01:40	0.1	248	9	0.4	0	21.7	70
09/11/2022 01:50	0.2	248	8	0.6	0	21.6	69
09/11/2022 02:00	0.2	248	9	0.6	0	21.4	67
09/11/2022 02:10	0.2	249	7	0.5	0	21.1	67
09/11/2022 02:20	0.1	248	7	0.3	0	21	66
09/11/2022 02:30	0.1	247	8	0.3	0	20.8	66
09/11/2022 02:40	0.1	250	7	0.3	0	20.6	66
09/11/2022 02:50	0.1	250	8	0.3	0	20.4	66
09/11/2022 03:00	0.1	248	6	0.1	0	20.3	66
09/11/2022 03:10	0.1	252	7	0.3	0	20.1	67
09/11/2022 03:20	0.1	253	7	0.3	0	20	67
09/11/2022 03:30	0.2	253	6	0.3	0	19.9	67
09/11/2022 03:40	0.1	256	8	0.2	0	19.8	68
09/11/2022 03:50	0.2	258	7	0.3	0	19.6	68
09/11/2022 04:00	0.1	258	8	0.3	0	19.6	69
09/11/2022 04:10	0.1	258	6	0.2	0	19.5	69
09/11/2022 04:20	0.1	258	6	0.2	0	19.5	69
09/11/2022 04:30	0.1	252	7	0.3	0	19.5	69
09/11/2022 04:40	0.2	254	7	0.3	0	19.4	69
09/11/2022 04:50	0.1	253	7	0.3	0	19.3	69
09/11/2022 05:00	0.1	252	6	0.2	0	19.2	70
09/11/2022 05:10	0.1	253	6	0.2	0	19.2	71
09/11/2022 05:20	0.1	253	5	0.2	0	19	71
09/11/2022 05:30	0.1	254	6	0.2	0	18.8	71
09/11/2022 05:40	0.1	254	7	0.2	0	18.8	70
09/11/2022 05:50	0.1	252	7	0.2	0	19	70
09/11/2022 06:00	0.1	250	7	0.3	0	19.1	70
09/11/2022 06:10	0.1	251	9	0.2	0	19.4	70
09/11/2022 06:20	0.1	254	8	0.2	0	19.8	68
09/11/2022 06:30	0.1	254	8	0.3	0	20.2	67
09/11/2022 06:40	0.1	256	8	0.2	0	20.5	65
09/11/2022 06:50	0	255	7	0.1	0	20.9	63
09/11/2022 07:00	0	256	3	0	0	21.1	62
09/11/2022 07:10	0	255	4	0	0	21.3	61
09/11/2022 07:20	0	260	4	0.5	0	21.7	59
09/11/2022 07:30	0	257	6	0.4	0	21.9	58
09/11/2022 07:40	0	264	5	0.2	0	22.2	57
09/11/2022 07:50	0	261	4	0.2	0	22.2	57
09/11/2022 08:00	0	260	5	0	0	22.4	56
09/11/2022 08:10	0	255	2	0	0	22.7	55



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/11/2022 08:20	0	261	1	0	0	22.7	55
09/11/2022 08:30	0	260	2	0	0	23.3	54
09/11/2022 08:40	0	254	2	0	0	23.7	53
09/11/2022 08:50	0	253	3	0	0	23.8	53
09/11/2022 09:00	0	265	4	0	0	24.3	51
09/11/2022 09:10	0	248	4	0	0	24.7	50
09/11/2022 09:20	0	254	7	0	0	25.5	47
09/11/2022 09:30	0	267	2	0	0	26	46
09/11/2022 09:40	0	277	3	0.1	0	26.1	47
09/11/2022 09:50	0	278	5	0	0	26.1	48
09/11/2022 10:00	0	277	5	0.1	0	26.3	49
09/11/2022 10:10	0	284	8	0.1	0	26.5	48
09/11/2022 10:20	0	273	6	0.1	0	26.4	49
09/11/2022 10:30	0	276	6	0.1	0	26.5	49
09/11/2022 10:40	0	280	6	0.1	0	26.5	49
09/11/2022 10:50	0	275	5	0	0	26.6	47
09/11/2022 11:00	0	267	5	0	0	27.4	44
09/11/2022 11:10	0	266	5	0	0	27.6	44
09/11/2022 11:20	0	264	5	0	0	27.6	43
09/11/2022 11:30	0	265	4	0.1	0	27.8	45
09/11/2022 11:40	0	260	4	0	0	27.8	45
09/11/2022 11:50	0	267	5	0	0	28	46
09/11/2022 12:00	0	267	6	0.2	0	28.1	44
09/11/2022 12:10	0	270	4	0	0	27.6	46
09/11/2022 12:20	0	267	5	0.1	0	27.8	50
09/11/2022 12:30	0	262	4	0	0	27.7	51
09/11/2022 12:40	0	262	5	0	0	28.1	52
09/11/2022 12:50	0	264	6	0	0	28.2	50
09/11/2022 13:00	0	257	4	0	0	28.2	50
09/11/2022 13:10	0	259	5	0	0	28.3	49
09/11/2022 13:20	0	258	5	0.1	0	28.5	50
09/11/2022 13:30	0	259	3	0	0	28.6	51
09/11/2022 13:40	0	257	4	0	0	28.4	52
09/11/2022 13:50	0	266	4	0	0	28.4	51
09/11/2022 14:00	0	261	4	0	0	28.1	51
09/11/2022 14:10	0	265	2	0	0	28	53
09/11/2022 14:20	0	258	4	0.1	0	27.7	53
09/11/2022 14:30	0	263	3	0.3	0	27.7	54
09/11/2022 14:40	0	266	4	0.4	0	27.7	55
09/11/2022 14:50	0	264	3	0.2	0	27.3	57
09/11/2022 15:00	0	266	2	0.5	0	27.6	56
09/11/2022 15:10	0	266	2	0.2	0	27.3	57
09/11/2022 15:20	0	261	3	0	0	27.3	58
09/11/2022 15:30	0	266	1	0.1	0	27	58
09/11/2022 15:40	0	266	1	0	0	27.4	58
09/11/2022 15:50	0	262	2	0.2	0	27	59
09/11/2022 16:00	0	267	2	0.2	0	26.8	60
09/11/2022 16:10	0	269	1	0	0	26.8	58





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/11/2022 16:20	0	268	2	0.1	0	26.6	58
09/11/2022 16:30	0	261	2	0.2	0	26.5	59
09/11/2022 16:40	0	266	2	0.2	0.1	26.6	58
09/11/2022 16:50	0	258	3	0.5	0.2	26.6	58
09/11/2022 17:00	0	260	3	0.8	0	26.1	58
09/11/2022 17:10	0	264	1	0.2	0	26.1	56
09/11/2022 17:20	0	265	3	0.5	0	25.9	55
09/11/2022 17:30	0	260	3	0.2	0	25.9	55
09/11/2022 17:40	0.1	266	4	1.4	0	25.6	55
09/11/2022 17:50	0	264	1	0.3	0	25.4	57
09/11/2022 18:00	0	264	2	0.6	0	25.2	56
09/11/2022 18:10	0	268	1	0	0	25.1	58
09/11/2022 18:20	0	266	2	0	0	24.9	59
09/11/2022 18:30	0	268	2	0	0	24.6	62
09/11/2022 18:40	0	269	1	0	0	24.3	65
09/11/2022 18:50	0	272	0	0	0	24.2	67
09/11/2022 19:00	0	265	1	0	0	24.1	66
09/11/2022 19:10	0	267	2	0	0	24.1	63
09/11/2022 19:20	0	264	1	0	0	24	64
09/11/2022 19:30	0	265	2	0	0	23.8	64
09/11/2022 19:40	0	268	2	0.6	0	23.9	63
09/11/2022 19:50	0	268	2	0	0	23.8	63
09/11/2022 20:00	0	262	4	0	0	23.8	64
09/11/2022 20:10	0	270	4	0	0	23.7	67
09/11/2022 20:20	0	258	2	0	0	23.6	69
09/11/2022 20:30	0	265	3	0	0	23.5	71
09/11/2022 20:40	0	260	2	0	0	23.4	71
09/11/2022 20:50	0	261	3	0	0	23.3	71
09/11/2022 21:00	0	260	3	0.1	0	23.3	72
09/11/2022 21:10	0	260	3	0.1	0	23.3	72
09/11/2022 21:20	0	261	2	0.3	0	23.2	73
09/11/2022 21:30	0	262	3	0.1	0	23.2	73
09/11/2022 21:40	0	261	3	0	0	23.2	74
09/11/2022 21:50	0	261	3	0.2	0	23.1	74
09/11/2022 22:00	0	260	3	0.3	0	23.1	75
09/11/2022 22:10	0	259	3	0.1	0	23	74
09/11/2022 22:20	0	264	3	0	0	23	74
09/11/2022 22:30	0	261	3	0.1	0	23	74
09/11/2022 22:40	0	261	5	0.1	0	23	73
09/11/2022 22:50	0	256	4	0.3	0	23	73
09/11/2022 23:00	0	253	2	0.4	0	23	73
09/11/2022 23:10	0	257	3	0.1	0	23	72
09/11/2022 23:20	0	250	4	0.3	0	22.9	72
09/11/2022 23:30	0	251	4	0.1	0.1	22.9	72
09/11/2022 23:40	0	250	3	0	0	22.9	72
09/11/2022 23:50	0	255	3	0.1	0	22.9	71
10/11/2022 00:00	0	255	4	0.3	0	22.8	72
10/11/2022 00:10	0	250	3	0.1	0.1	22.9	71



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/11/2022 00:20	0	252	3	0.2	0	22.8	71
10/11/2022 00:30	0	254	3	0.1	0	22.8	71
10/11/2022 00:40	0	253	3	0	0	22.8	71
10/11/2022 00:50	0	251	4	0	0	22.8	70
10/11/2022 01:00	0	252	2	0	0	22.7	71
10/11/2022 01:10	0	251	4	0.2	0	22.7	71
10/11/2022 01:20	0	248	3	0.1	0	22.6	71
10/11/2022 01:30	0	247	2	0	0	22.5	72
10/11/2022 01:40	0	249	3	0	0	22.4	71
10/11/2022 01:50	0.1	247	3	1.9	0	22.4	68
10/11/2022 02:00	0.1	245	2	1.2	0	22.2	68
10/11/2022 02:10	0	248	3	0.5	0.2	22	63
10/11/2022 02:20	0	246	4	0.2	0	21.8	61
10/11/2022 02:30	0	249	4	0.2	0.1	21.7	59
10/11/2022 02:40	0	245	4	0.1	0	21.5	59
10/11/2022 02:50	0	243	3	0.2	0	21.3	60
10/11/2022 03:00	0	245	3	0.1	0	21.1	61
10/11/2022 03:10	0	249	3	0.2	0	21.1	60
10/11/2022 03:20	0	244	3	0.1	0	20.9	61
10/11/2022 03:30	0	247	3	0.1	0	20.8	62
10/11/2022 03:40	0	245	4	0.1	0	20.8	62
10/11/2022 03:50	0	247	3	0.1	0	20.6	62
10/11/2022 04:00	0	246	4	0.1	0	20.5	63
10/11/2022 04:10	0	246	4	0.1	0.1	20.5	63
10/11/2022 04:20	0	242	3	0.5	0.1	20.5	62
10/11/2022 04:30	0	247	5	0.2	0	20.3	63
10/11/2022 04:40	0	246	4	0.1	0	20.2	63
10/11/2022 04:50	0	246	3	0.1	0	20.1	63
10/11/2022 05:00	0	243	3	0.1	0.1	20.2	62
10/11/2022 05:10	0	241	5	0.3	0.2	20.4	61
10/11/2022 05:20	0	241	5	0	0	20.5	61
10/11/2022 05:30	0	238	3	0.2	0	20.4	61
10/11/2022 05:40	0	246	4	0	0	20.1	62
10/11/2022 05:50	0	249	3	0.1	0	19.7	63
10/11/2022 06:00	0	247	4	0.1	0	19.7	64
10/11/2022 06:10	0	244	5	0.1	0	20	63
10/11/2022 06:20	0	246	4	0.2	0	20.2	62
10/11/2022 06:30	0	245	4	0.2	0.1	20.6	61
10/11/2022 06:40	0	242	4	0.1	0	20.9	60
10/11/2022 06:50	0	239	4	0.1	0	21.1	60
10/11/2022 07:00	0	238	3	0.3	0.4	21.2	59
10/11/2022 07:10	0	247	4	0	0	21.4	59
10/11/2022 07:20	0	246	3	0	0	21.6	58
10/11/2022 07:30	0	241	3	0.1	0.2	21.7	58
10/11/2022 07:40	0	247	2	0.1	0.1	22	57
10/11/2022 07:50	0	243	4	0.3	0	22.4	56
10/11/2022 08:00	0	252	3	0	0.3	22.6	56
10/11/2022 08:10	0	260	2	0	0	23	55



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/11/2022 08:20	0	258	6	0.2	0	23.2	54
10/11/2022 08:30	0	254	6	1	0	23.4	53
10/11/2022 08:40	0.1	255	6	1	0	23.7	53
10/11/2022 08:50	0.1	253	5	1.2	0.2	24	52
10/11/2022 09:00	0.1	252	6	1.1	0	24.3	51
10/11/2022 09:10	0	264	4	0.3	0	24.3	55
10/11/2022 09:20	0	263	3	0.3	0	24.2	57
10/11/2022 09:30	0	262	5	0.4	0	24.1	58
10/11/2022 09:40	0	262	6	1.4	0	24.6	57
10/11/2022 09:50	0.1	262	5	1.2	0	24.3	58
10/11/2022 10:00	0.1	261	4	0.8	0.2	24.6	59
10/11/2022 10:10	0.1	261	4	1.4	0	24.5	60
10/11/2022 10:20	0.1	260	6	1.9	0.1	24.7	58
10/11/2022 10:30	0.1	264	8	1.2	0	24.8	57
10/11/2022 10:40	0.1	262	7	1.7	0.1	25.1	56
10/11/2022 10:50	0.2	265	5	1.8	0	25.3	54
10/11/2022 11:00	0.3	271	6	3.2	0	25.2	55
10/11/2022 11:10	0.2	266	8	1.8	0	25.8	54
10/11/2022 11:20	0.2	268	8	2.9	0	25.7	54
10/11/2022 11:30	0.5	261	7	3	0.1	25.7	53
10/11/2022 11:40	0.5	263	7	3.2	0.4	26.1	51
10/11/2022 11:50	0.9	263	8	3.9	0.4	26	50
10/11/2022 12:00	0.8	265	8	3.3	0.3	26.4	50
10/11/2022 12:10	1	260	9	3.3	0.6	26	51
10/11/2022 12:20	1.1	261	8	3.2	0.4	25.9	51
10/11/2022 12:30	1.5	262	9	5	1.2	26.1	49
10/11/2022 12:40	0.9	264	8	4.4	1.1	26.3	50
10/11/2022 12:50	1	264	9	3.8	0	26.5	50
10/11/2022 13:00	1.2	265	9	3.9	0.1	26.2	50
10/11/2022 13:10	1.4	266	9	4.5	0	26.1	50
10/11/2022 13:20	1.2	260	9	3.9	0.8	26.2	50
10/11/2022 13:30	1.1	268	9	3.7	0.1	26.4	48
10/11/2022 13:40	1.1	265	9	4.7	0.7	26.6	49
10/11/2022 13:50	1.2	267	8	4.1	0.5	26.4	50
10/11/2022 14:00	1.7	262	11	4.9	0.5	26.1	50
10/11/2022 14:10	1.9	262	9	4.8	0.3	26.1	50
10/11/2022 14:20	1.5	264	9	3.9	0.3	26	51
10/11/2022 14:30	1.3	265	11	4.3	1	26.4	50
10/11/2022 14:40	1.6	267	6	4.3	1.2	26	53
10/11/2022 14:50	1.6	266	8	5.8	0.4	26.1	53
10/11/2022 15:00	1.5	264	11	4.6	0.1	26.2	54
10/11/2022 15:10	1.5	260	8	4.3	0.4	26.2	54
10/11/2022 15:20	0.6	262	8	3.3	0	26.5	54
10/11/2022 15:30	1.6	262	8	5.1	0	26.2	54
10/11/2022 15:40	1.1	264	8	4.4	0	26.1	54
10/11/2022 15:50	1.6	261	9	5.4	0.1	25.8	56
10/11/2022 16:00	1.8	258	8	4.5	0.5	25.6	57
10/11/2022 16:10	1.2	261	8	4.4	0	25.6	58



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/11/2022 16:20	1.2	258	8	3.9	0.1	25.4	58
10/11/2022 16:30	0.6	261	7	4	0	25.4	60
10/11/2022 16:40	0.5	261	8	3.8	0	25.5	60
10/11/2022 16:50	0.5	264	7	2.7	0.1	25.6	59
10/11/2022 17:00	0.5	263	6	3.5	0.1	25.1	60
10/11/2022 17:10	0.3	265	7	2.8	0	25.2	60
10/11/2022 17:20	0.6	263	8	3.9	0	25.1	60
10/11/2022 17:30	0.6	260	7	4.2	0	24.9	60
10/11/2022 17:40	1.1	258	6	5	0	24.6	60
10/11/2022 17:50	0.7	254	6	4.5	0	24.4	62
10/11/2022 18:00	0.5	262	7	4	0	24.2	64
10/11/2022 18:10	0.4	257	7	3	0	23.9	67
10/11/2022 18:20	0.3	257	6	4.7	0	23.6	69
10/11/2022 18:30	0.5	256	7	3.2	0	23.4	69
10/11/2022 18:40	0.3	257	9	3.4	0	23.2	70
10/11/2022 18:50	0.4	259	7	4	0	23.2	70
10/11/2022 19:00	0.4	259	9	5.1	0	23.2	71
10/11/2022 19:10	0.4	258	9	4.1	0	23.2	70
10/11/2022 19:20	0.2	258	8	2.2	0	23.2	71
10/11/2022 19:30	0.5	259	7	2.8	0	23.2	70
10/11/2022 19:40	0.4	262	8	4.9	0	23.2	69
10/11/2022 19:50	0.2	264	8	2.7	0	23.2	69
10/11/2022 20:00	0.3	262	8	2.1	0	23.3	68
10/11/2022 20:10	0.1	260	9	0.5	0	23.2	69
10/11/2022 20:20	0.1	259	8	0.8	0	23.2	69
10/11/2022 20:30	0.2	257	8	2.8	0	23.2	69
10/11/2022 20:40	0.3	258	8	2.3	0	23.3	68
10/11/2022 20:50	0.3	261	9	0.9	0	23.3	69
10/11/2022 21:00	0.5	257	8	2.5	0	23.3	68
10/11/2022 21:10	0.7	256	8	4.1	0	23.3	66
10/11/2022 21:20	0.8	255	9	3.8	0	23.4	66
10/11/2022 21:30	0.5	255	8	3.4	0	23.3	67
10/11/2022 21:40	0.8	257	9	4.4	0	23.3	67
10/11/2022 21:50	0.8	258	8	4	0	23.3	67
10/11/2022 22:00	0.7	254	9	3.3	0	23.3	67
10/11/2022 22:10	0.6	255	9	3.1	0	23.2	68
10/11/2022 22:20	0.6	253	9	2.9	0	23.2	68
10/11/2022 22:30	0.7	255	8	5.1	0	23.1	69
10/11/2022 22:40	0.6	253	9	2.9	0	23	70
10/11/2022 22:50	0.8	252	9	3.9	0	23	70
10/11/2022 23:00	0.5	249	9	2.7	0.1	23	70
10/11/2022 23:10	0.6	252	9	2.3	0	22.9	70
10/11/2022 23:20	0.5	251	8	2.4	0	22.9	70
10/11/2022 23:30	0.5	255	8	2.3	0	22.9	72
10/11/2022 23:40	0.8	252	8	4.5	0	22.8	70
10/11/2022 23:50	0.7	251	9	3.4	0	22.8	70
11/11/2022 00:00	1	253	8	5.7	0	22.8	69
11/11/2022 00:10	1	249	8	6	0	22.7	69



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
11/11/2022 00:20	1.5	252	8	5.2	0	22.7	66
11/11/2022 00:30	1.3	251	8	7.2	0	22.6	65
11/11/2022 00:40	0.6	247	9	5.3	0	22.5	65
11/11/2022 00:50	0.7	246	9	6.5	0	22.3	62
11/11/2022 01:00	0.5	249	9	3.8	0	22.1	62
11/11/2022 01:10	0.6	249	10	4.4	0	21.9	61
11/11/2022 01:20	0.4	249	9	0.9	0	21.8	62
11/11/2022 01:30	0.3	246	9	1.2	0	21.7	62
11/11/2022 01:40	0.4	248	8	1.9	0.2	21.5	62
11/11/2022 01:50	0.4	250	9	2.1	0	21.5	61
11/11/2022 02:00	0.4	249	8	2.2	0	21.4	60
11/11/2022 02:10	0.5	246	10	3.9	0	21.3	60
11/11/2022 02:20	0.3	248	8	0.9	0	21.2	61
11/11/2022 02:30	0.3	249	8	1.2	0	21	61
11/11/2022 02:40	0.3	247	8	1.1	0	21	61
11/11/2022 02:50	0.3	249	8	0.7	0	20.8	61
11/11/2022 03:00	0.3	249	9	0.4	0	20.8	61
11/11/2022 03:10	0.2	247	8	0.6	0	20.6	61
11/11/2022 03:20	0.3	249	8	0.6	0	20.5	61
11/11/2022 03:30	0.3	250	8	0.8	0	20.4	62
11/11/2022 03:40	0.2	248	8	0.5	0	20.3	62
11/11/2022 03:50	0.3	247	8	0.5	0	20.2	62
11/11/2022 04:00	0.2	249	7	0.7	0	20.1	63
11/11/2022 04:10	0.3	249	8	0.6	0	20	63
11/11/2022 04:20	0.3	250	8	0.6	0	19.9	63
11/11/2022 04:30	0.3	248	8	0.5	0	19.8	63
11/11/2022 04:40	0.3	247	9	0.5	0	19.7	64
11/11/2022 04:50	0.3	248	8	0.6	0	19.6	64
11/11/2022 05:00	0.3	248	8	0.7	0	19.4	65
11/11/2022 05:10	0.3	251	7	0.5	0	19.4	65
11/11/2022 05:20	0.4	252	7	0.6	0	19.3	65
11/11/2022 05:30	0.3	249	7	0.6	0	19.3	65
11/11/2022 05:40	0.3	250	8	0.5	0	19.3	65
11/11/2022 05:50	0.4	250	7	0.6	0	19.3	65
11/11/2022 06:00	0.2	252	7	0.5	0	19.5	65
11/11/2022 06:10	0.2	251	8	0.5	0	19.8	64
11/11/2022 06:20	0.1	252	7	0.5	0	20.1	63
11/11/2022 06:30	0.2	254	7	0.4	0	20.4	63
11/11/2022 06:40	0.2	259	8	0.4	0	20.6	63
11/11/2022 06:50	0.1	258	8	0.3	0	20.8	62
11/11/2022 07:00	0	256	6	0.2	0	21.1	61
11/11/2022 07:10	0	259	2	0.1	0	21.4	60
11/11/2022 07:20	0	256	2	0.1	0	21.7	59
11/11/2022 07:30	0	258	3	0	0	21.9	58
11/11/2022 07:40	0	250	1	0	0	22.2	57
11/11/2022 07:50	0	256	3	0	0	22.2	57
11/11/2022 08:00	0	263	4	0	0	22.6	56
11/11/2022 08:10	0	261	3	0.1	0	22.6	56



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
11/11/2022 08:20	0	257	5	0	0	22.9	55
11/11/2022 08:30	0	267	5	0	0	23.1	54
11/11/2022 08:40	0	261	5	0.1	0	23.6	53
11/11/2022 08:50	0	271	5	0.1	0	23.9	54
11/11/2022 09:00	0	277	4	0.1	0	23.7	54
11/11/2022 09:10	0	272	6	0	0	23.8	54
11/11/2022 09:20	0	275	3	0	0	24.3	54
11/11/2022 09:30	0	270	4	0	0	24.6	53
11/11/2022 09:40	0	275	3	0	0	24.9	53
11/11/2022 09:50	0	269	5	0.1	0	24.8	53
11/11/2022 10:00	0	275	3	0	0	25	53
11/11/2022 10:10	0	272	7	0.1	0	25.3	52
11/11/2022 10:20	0	267	3	0.1	0	25.4	52
11/11/2022 10:30	0	269	4	0	0	25.5	51
11/11/2022 10:40	0	268	3	0.1	0	25.5	52
11/11/2022 10:50	0	262	4	0.6	0	25.7	51
11/11/2022 11:00	0	265	4	0.5	0	25.9	50
11/11/2022 11:10	0	264	5	0.7	0	25.9	50
11/11/2022 11:20	0	262	3	0	0	26.2	53
11/11/2022 11:30	0	265	6	0.2	0	26.7	52
11/11/2022 11:40	0	269	4	0.1	0	26.6	53
11/11/2022 11:50	0	262	5	0.4	0	26.8	53
11/11/2022 12:00	0	262	6	0.6	0	26.7	54
11/11/2022 12:10	0	269	7	0.4	0	26.6	53
11/11/2022 12:20	0.1	261	6	2.1	0	26.9	54
11/11/2022 12:30	0.1	264	5	1.3	0	27	55
11/11/2022 12:40	0.3	259	6	2.3	0	26.7	57
11/11/2022 12:50	0.3	263	7	2.7	0	26.7	57
11/11/2022 13:00	0.6	265	8	3.7	0	26.6	57
11/11/2022 13:10	0.5	264	6	3.2	0	26.4	58
11/11/2022 13:20	0.6	263	7	2.8	0	26.4	58
11/11/2022 13:30	0.2	265	5	3.2	0	26.8	57
11/11/2022 13:40	0.8	263	7	4.2	0	26.5	56
11/11/2022 13:50	0.3	262	8	2.7	0	26.9	55
11/11/2022 14:00	0.3	265	7	3.2	0	27.1	55
11/11/2022 14:10	0.5	260	8	3.2	0	26.9	56
11/11/2022 14:20	0.4	260	7	3.5	0	27	57
11/11/2022 14:30	0.5	265	6	4.2	0	27	56
11/11/2022 14:40	0.5	265	7	3.7	0	26.9	57
11/11/2022 14:50	0.6	267	7	3.3	0	26.8	57
11/11/2022 15:00	1	265	9	3.3	0	26.8	56
11/11/2022 15:10	0.4	265	6	2.8	0	27	57
11/11/2022 15:20	1	267	6	3.3	0	26.6	57
11/11/2022 15:30	1.2	265	8	3.6	0.2	26.3	57
11/11/2022 15:40	1.3	265	8	3.6	0	26.4	57
11/11/2022 15:50	1.3	264	8	3.9	0.1	26.3	58
11/11/2022 16:00	1	266	7	4.2	0	26.1	59
11/11/2022 16:10	0.8	264	7	3.9	0	26.1	59



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
11/11/2022 16:20	1.3	265	6	4.4	0.1	26	59
11/11/2022 16:30	0.9	268	7	4.4	0	25.7	62
11/11/2022 16:40	0.4	270	5	2.7	0	25.7	65
11/11/2022 16:50	0.2	267	6	1.8	0	26	63
11/11/2022 17:00	0.7	265	7	4	0.1	25.6	62
11/11/2022 17:10	0.4	263	7	2.9	0	25.7	63
11/11/2022 17:20	0.6	265	7	3.6	0	25.4	63
11/11/2022 17:30	0.3	259	5	2.6	0	25.4	64
11/11/2022 17:40	0.8	260	6	3.5	0.2	25.1	64
11/11/2022 17:50	0.5	259	6	4.1	0.2	24.9	65
11/11/2022 18:00	0.2	263	4	2.8	0	24.9	64
11/11/2022 18:10	0.4	263	5	2.7	0	24.7	64
11/11/2022 18:20	0.1	269	5	1.2	0	24.5	66
11/11/2022 18:30	0.1	262	4	1.9	0	24.3	66
11/11/2022 18:40	0.1	262	6	3.1	0	24.2	67
11/11/2022 18:50	0	265	8	0.4	0	24.1	66
11/11/2022 19:00	0.1	265	8	1.5	0	24.1	66
11/11/2022 19:10	0.3	262	7	2.8	0	24.1	67
11/11/2022 19:20	0.4	264	9	3.9	0	24	68
11/11/2022 19:30	0.3	262	8	2	0	23.9	70
11/11/2022 19:40	0.3	261	9	1.8	0	23.8	71
11/11/2022 19:50	0.6	260	9	3.8	0	23.8	70
11/11/2022 20:00	0.7	257	9	4.7	0	23.8	70
11/11/2022 20:10	0.5	260	8	2.8	0	23.7	72
11/11/2022 20:20	0.4	257	9	2.9	0	23.7	71
11/11/2022 20:30	0.6	257	9	5.3	0	23.7	72
11/11/2022 20:40	0.6	260	8	4.3	0	23.7	71
11/11/2022 20:50	0.3	258	8	2.3	0	23.7	72
11/11/2022 21:00	0.5	257	8	3.4	0	23.7	72
11/11/2022 21:10	0.4	258	9	3	0	23.7	71
11/11/2022 21:20	0.2	257	9	1.1	0	23.7	71
11/11/2022 21:30	0.2	256	9	1.3	0	23.6	72
11/11/2022 21:40	0.3	257	8	2.7	0	23.7	71
11/11/2022 21:50	0.3	259	8	2.8	0	23.6	71
11/11/2022 22:00	0.2	258	8	2.7	0	23.6	72
11/11/2022 22:10	0.1	258	9	1.1	0	23.5	73
11/11/2022 22:20	0.2	260	9	2.2	0	23.5	73
11/11/2022 22:30	0.3	258	8	2.2	0	23.5	74
11/11/2022 22:40	0.2	260	8	1.2	0	23.5	75
11/11/2022 22:50	0.4	259	8	2.9	0	23.4	75
11/11/2022 23:00	0.3	261	9	2	0	23.4	76
11/11/2022 23:10	0.3	261	8	2.3	0	23.4	76
11/11/2022 23:20	0.3	259	8	1.1	0	23.3	76
11/11/2022 23:30	0.2	260	9	0.5	0	23.2	77
11/11/2022 23:40	0.3	259	8	1.7	0	23.1	76
11/11/2022 23:50	0.4	258	8	2	0	23	75
12/11/2022 00:00	0.3	254	8	1.7	0	22.9	75
12/11/2022 00:10	0.4	256	8	2.8	0	22.8	75



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/11/2022 00:20	0.2	255	8	1.5	0	22.7	75
12/11/2022 00:30	0.2	255	8	1.4	0	22.6	74
12/11/2022 00:40	0.2	254	7	0.4	0	22.5	75
12/11/2022 00:50	0.3	253	8	0.9	0	22.4	74
12/11/2022 01:00	0.5	255	7	0.9	0	22.2	74
12/11/2022 01:10	0.5	256	7	1.1	0	22.2	73
12/11/2022 01:20	0.6	255	9	0.9	0	22.1	73
12/11/2022 01:30	0.6	257	6	1	0	22	73
12/11/2022 01:40	0.6	254	7	1.2	0	21.8	73
12/11/2022 01:50	0.5	256	7	0.9	0	21.7	71
12/11/2022 02:00	0.5	255	8	1.4	0	21.6	71
12/11/2022 02:10	0.6	256	7	1.2	0	21.5	71
12/11/2022 02:20	0.5	255	7	1.1	0	21.4	71
12/11/2022 02:30	0.6	258	8	1.2	0	21.4	70
12/11/2022 02:40	0.5	256	6	1.1	0	21.2	70
12/11/2022 02:50	0.4	258	6	1.1	0	21.3	70
12/11/2022 03:00	0.5	256	8	1	0	21.1	70
12/11/2022 03:10	0.4	256	7	0.8	0	21.1	70
12/11/2022 03:20	0.5	255	6	0.9	0	21	70
12/11/2022 03:30	0.5	254	7	1	0	20.9	70
12/11/2022 03:40	0.4	256	7	0.9	0	20.8	70
12/11/2022 03:50	0.5	259	6	1.1	0	20.7	70
12/11/2022 04:00	0.4	260	6	0.9	0	20.5	70
12/11/2022 04:10	0.5	258	6	2.2	0	20.4	70
12/11/2022 04:20	0.4	257	6	0.8	0	20.3	70
12/11/2022 04:30	0.5	259	5	0.9	0	20.1	71
12/11/2022 04:40	0.6	257	6	1.4	0	19.9	71
12/11/2022 04:50	0.5	259	5	1.1	0	19.8	72
12/11/2022 05:00	0.5	261	5	1.4	0	19.6	72
12/11/2022 05:10	0.6	266	7	1.2	0	19.9	69
12/11/2022 05:20	0.6	271	6	1.2	0	20.2	67
12/11/2022 05:30	0.6	275	6	3	0	20.3	66
12/11/2022 05:40	0.6	277	6	0.9	0	20.5	64
12/11/2022 05:50	0.6	279	5	1.1	0	20.8	62
12/11/2022 06:00	0.6	279	6	1.3	0	21.1	61
12/11/2022 06:10	0.6	281	6	1.6	0	21.4	60
12/11/2022 06:20	0.6	261	27	1	0	22.1	57
12/11/2022 06:30	0.7	238	32	1	0	22.8	55
12/11/2022 06:40	0.6	275	19	1.2	0	23.5	51
12/11/2022 06:50	0.6	273	12	1	0	24	49
12/11/2022 07:00	0.6	268	13	0.9	0	24.4	48
12/11/2022 07:10	0.7	254	29	1.2	0	25.1	45
12/11/2022 07:20	0.5	200	20	0.7	0	25.7	37
12/11/2022 07:30	0.3	228	34	0.5	0	26.4	36
12/11/2022 07:40	0.1	238	30	0.3	0	26.9	35
12/11/2022 07:50	0.1	222	30	0.3	0	27.2	34
12/11/2022 08:00	0.1	238	48	0.3	0	27.8	33
12/11/2022 08:10	0.1	239	38	0.3	0	28.1	32





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/11/2022 08:20	0.1	247	38	0.3	0	28.5	31
12/11/2022 08:30	0.1	220	21	0.2	0	28.2	31
12/11/2022 08:40	0.1	165	24	0.3	0	28.3	30
12/11/2022 08:50	0.1	184	17	0.2	0	28.5	30
12/11/2022 09:00	0.1	181	18	0.3	0	29	28
12/11/2022 09:10	0.1	172	24	0.2	0	29.7	27
12/11/2022 09:20	0.1	182	24	0.2	0	30.3	26
12/11/2022 09:30	0	156	9	0.1	0	30.4	25
12/11/2022 09:40	0	138	7	0	0	31.3	24
12/11/2022 09:50	0	165	6	0	0	31.2	23
12/11/2022 10:00	0	156	10	0.1	0	32.4	22
12/11/2022 10:10	0	103	4	0	0	32.8	22
12/11/2022 10:20	0	115	6	0	0	32.4	20
12/11/2022 10:30	0	121	7	0	0	32.7	19
12/11/2022 10:40	0	122	3	0	0	32.7	19
12/11/2022 10:50	0	312	12	0	0	33	18
12/11/2022 11:00	0	286	10	0	0	32.9	18
12/11/2022 11:10	0	290	6	0	0	32.4	18
12/11/2022 11:20	0	274	5	0.1	0	32.7	18
12/11/2022 11:30	0	282	5	0.1	0	32.4	17
12/11/2022 11:40	0	293	9	0	0	32.5	19
12/11/2022 11:50	0	317	5	0	0	32.4	20
12/11/2022 12:00	0	333	4	0	0	31.5	22
12/11/2022 12:10	0	324	7	0	0	32	25
12/11/2022 12:20	0	319	7	0.1	0	31.9	22
12/11/2022 12:30	0	326	4	0	0	31.5	21
12/11/2022 12:40	0	322	4	0	0	31.6	22
12/11/2022 12:50	0	334	3	0	0	31.4	23
12/11/2022 13:00	0	330	1	0	0	31.4	22
12/11/2022 13:10	0	330	2	0	0	31.4	23
12/11/2022 13:20	0	329	3	0	0	32	23
12/11/2022 13:30	0	315	3	0.1	0	31.8	24
12/11/2022 13:40	0	309	2	0	0	31.2	28
12/11/2022 13:50	0	321	5	0	0	31.5	26
12/11/2022 14:00	0	314	5	0.1	0	31.1	27
12/11/2022 14:10	0	313	3	0.1	0	30.7	25
12/11/2022 14:20	0	304	4	0.4	0	30.4	25
12/11/2022 14:30	0	308	3	0	0	30.6	27
12/11/2022 14:40	0	306	3	0	0	30.8	29
12/11/2022 14:50	0	309	2	0	0	30.3	32
12/11/2022 15:00	0	306	3	0.2	0	29.8	33
12/11/2022 15:10	0	311	3	0.7	0	29.6	33
12/11/2022 15:20	0	313	3	0.5	0	29.6	33
12/11/2022 15:30	0	316	5	1.1	0	29.4	36
12/11/2022 15:40	0	305	4	0.1	0	29.1	41
12/11/2022 15:50	0	311	5	0.2	0	29.2	43
12/11/2022 16:00	0	311	5	0.7	0	28.6	45
12/11/2022 16:10	0	307	3	0.2	0	28.6	46



Yara Pilbara Nitrates- Western Boundary  
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Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/11/2022 16:20	0	299	5	0.7	0	28.5	49
12/11/2022 16:30	0	297	5	0	0	28.4	52
12/11/2022 16:40	0	283	3	0.3	0	28.5	47
12/11/2022 16:50	0	290	3	0	0	28.5	44
12/11/2022 17:00	0	285	5	0.3	0	28.7	40
12/11/2022 17:10	0.1	284	3	1.2	0	28.5	39
12/11/2022 17:20	0	286	4	0.1	0	28.1	45
12/11/2022 17:30	0	282	4	0.2	0	28	48
12/11/2022 17:40	0	275	5	0.1	0	27.7	52
12/11/2022 17:50	0	264	2	0.2	0	27.4	53
12/11/2022 18:00	0	287	0	0	0	27.1	56
12/11/2022 18:10					0	27	54
12/11/2022 18:20	0	277	0	0	0	27	52
12/11/2022 18:30	0	260	0	0	0	26.6	54
12/11/2022 18:40	0	271	2	0.2	0	26.1	58
12/11/2022 18:50	0	267	1	0	0	25.6	64
12/11/2022 19:00	0	263	1	0.1	0	25.3	65
12/11/2022 19:10	0	265	1	0.4	0	25.2	63
12/11/2022 19:20	0	263	1	0.1	0	25.2	60
12/11/2022 19:30	0	268	2	0.1	0	25.2	60
12/11/2022 19:40	0	261	2	1	0	25	62
12/11/2022 19:50	0	277	0	0	0	24.8	64
12/11/2022 20:00	0	267	2	0.2	0	24.7	65
12/11/2022 20:10	0	272	1	0.3	0	24.6	66
12/11/2022 20:20	0	272	1	0	0	24.6	66
12/11/2022 20:30	0	272	0	0	0	24.6	66
12/11/2022 20:40	0	270	1	0.1	0	24.6	65
12/11/2022 20:50	0	271	1	0	0	24.6	65
12/11/2022 21:00	0	269	1	0	0	24.5	65
12/11/2022 21:10	0	269	0	0	0	24.6	64
12/11/2022 21:20	0	272	0	0	0	24.6	64
12/11/2022 21:30	0	272	1	0.1	0	24.6	64
12/11/2022 21:40	0	256	3	0	0	24.5	67
12/11/2022 21:50	0	263	1	0	0	24.4	68
12/11/2022 22:00					0	24.3	69
12/11/2022 22:10	0	271	2	0	0	24.2	70
12/11/2022 22:20	0	264	0	0	0	24.1	71
12/11/2022 22:30	0	261	1	0	0	24	72
12/11/2022 22:40	0	260	2	0	0	24	73
12/11/2022 22:50	0	273	1	0	0	24	73
12/11/2022 23:00	0	273	1	0.1	0	24	73
12/11/2022 23:10	0	272	2	0	0	23.9	74
12/11/2022 23:20	0	271	1	0	0	23.8	74
12/11/2022 23:30	0	264	2	0	0	23.8	74
12/11/2022 23:40	0	268	1	0	0	23.8	74
12/11/2022 23:50	0	265	1	0	0	23.8	74
13/11/2022 00:00	0	274	2	0	0	23.7	74
13/11/2022 00:10	0	267	1	0	0	23.7	72



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/11/2022 00:20	0	272	3	0	0	23.6	72
13/11/2022 00:30	0	266	2	0	0	23.5	72
13/11/2022 00:40	0	265	1	0	0	23.4	72
13/11/2022 00:50	0	260	1	0	0	23.4	71
13/11/2022 01:00	0	265	1	0	0	23.3	71
13/11/2022 01:10	0	267	2	0	0	23.2	71
13/11/2022 01:20	0	268	2	0	0	23.2	68
13/11/2022 01:30	0	262	0	0	0	23.2	65
13/11/2022 01:40	0	262	0	0	0	23.1	65
13/11/2022 01:50	0	266	1	0	0	23	64
13/11/2022 02:00	0	260	1	0	0	22.9	62
13/11/2022 02:10	0	255	1	0	0	22.8	63
13/11/2022 02:20	0	257	1	0	0	22.4	63
13/11/2022 02:30	0	257	0	0	0	22.3	62
13/11/2022 02:40	0	260	1	0	0	22.2	61
13/11/2022 02:50	0	264	1	0	0	21.9	63
13/11/2022 03:00	0	262	0	0	0	21.6	64
13/11/2022 03:10	0	256	1	0	0	21.2	65
13/11/2022 03:20	0	257	1	0.1	0	20.6	68
13/11/2022 03:30	0	256	1	0.1	0	20.5	66
13/11/2022 03:40	0	260	1	0	0	20.5	63
13/11/2022 03:50	0	273	2	0.1	0	20.8	57
13/11/2022 04:00	0	279	2	0	0	21.4	50
13/11/2022 04:10	0	254	1	0	0	21.2	51
13/11/2022 04:20	0	266	2	0	0	21.3	47
13/11/2022 04:30	0	259	3	0	0	21.7	44
13/11/2022 04:40	0	257	2	0	0	21.8	44
13/11/2022 04:50	0	260	3	0	0	22	41
13/11/2022 05:00	0	273	2	0	0	22.4	38
13/11/2022 05:10	0	267	2	0	0	22.6	36
13/11/2022 05:20	0	279	9	0	0	23.4	32
13/11/2022 05:30	0	247	4	0.1	0	23.6	30
13/11/2022 05:40	0	211	6	0.1	0	24.3	27
13/11/2022 05:50	0	196	5	0	0	24.1	26
13/11/2022 06:00	0	190	2	0	0	24.2	26
13/11/2022 06:10	0	160	6	0.1	0	24.7	24
13/11/2022 06:20	0	192	6	0.1	0	25.4	23
13/11/2022 06:30	0	166	4	0.1	0	25.9	22
13/11/2022 06:40	0	161	6	0.1	0	26.2	22
13/11/2022 06:50	0	175	6	0	0	26.3	21
13/11/2022 07:00	0	168	5	0	0	26.7	21
13/11/2022 07:10	0	169	5	0.1	0	26.9	20
13/11/2022 07:20	0	155	6	0	0	27.7	19
13/11/2022 07:30	0	128	5	0.1	0	28.3	17
13/11/2022 07:40	0	133	6	0	0	28.6	17
13/11/2022 07:50	0	136	8	0	0	28.8	18
13/11/2022 08:00	0	133	5	0	0	28.9	17
13/11/2022 08:10	0	126	4	0.1	0	29	19



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/11/2022 08:20	0	120	6	0.1	0	28.9	21
13/11/2022 08:30	0	105	5	0	0	29.3	22
13/11/2022 08:40	0	109	4	0	0	29.2	25
13/11/2022 08:50	0	99	0	0	0	29.1	29
13/11/2022 09:00	0	78	2	0	0	29.7	31
13/11/2022 09:10	0	84	1	0	0	30.6	26
13/11/2022 09:20	0	84	0	0	0	31	25
13/11/2022 09:30	0	105	1	0	0	30.9	28
13/11/2022 09:40	0	82	2	0.4	0	31.4	26
13/11/2022 09:50	0	76	0	0	0	31	28
13/11/2022 10:00	0	80	1	0	0	30.8	27
13/11/2022 10:10	0	62	0	0	0	31	24
13/11/2022 10:20	0	66	2	0.4	0	30.7	25
13/11/2022 10:30	0	64	1	0.9	0	30.9	25
13/11/2022 10:40	0.1	67	3	1.3	0	30.9	27
13/11/2022 10:50	0.1	63	3	0.7	0	31.1	28
13/11/2022 11:00	0	60	4	0.8	0	31.2	28
13/11/2022 11:10	0.1	55	4	1.2	0	31.1	28
13/11/2022 11:20	0	55	2	0.5	0	31.5	26
13/11/2022 11:30	0	65	5	1	0	32	24
13/11/2022 11:40	0.1	56	4	1	0	31.2	29
13/11/2022 11:50	0	55	4	0.8	0	31.1	31
13/11/2022 12:00	0.1	52	5	0.8	0	30.5	35
13/11/2022 12:10	0.1	41	5	0.7	0	30.9	32
13/11/2022 12:20	0.1	40	3	1.1	0	31.1	31
13/11/2022 12:30	0.1	52	5	0.8	0	31.2	30
13/11/2022 12:40	0	52	4	0.3	0	31.5	29
13/11/2022 12:50	0	55	3	0.4	0	31.7	29
13/11/2022 13:00	0	53	3	0.3	0	31.8	29
13/11/2022 13:10	0	51	3	0.7	0	31.8	30
13/11/2022 13:20	0.1	51	5	0.7	0	31.5	31
13/11/2022 13:30	0	56	2	0.4	0	31.8	30
13/11/2022 13:40	0	51	3	1.1	0	31.7	31
13/11/2022 13:50	0	50	3	0.7	0	31.9	31
13/11/2022 14:00	0	49	3	0.8	0	31.9	31
13/11/2022 14:10	0	49	3	1	0	31.8	32
13/11/2022 14:20	0	54	3	0.2	0	32.1	33
13/11/2022 14:30	0	57	3	0.6	0	31.8	36
13/11/2022 14:40	0	52	1	0.5	0	31.8	37
13/11/2022 14:50	0	49	2	0	0	31.8	37
13/11/2022 15:00	0	54	3	0.6	0	32.2	36
13/11/2022 15:10	0	52	2	0.8	0	31.8	37
13/11/2022 15:20	0	50	3	0.1	0	31.8	37
13/11/2022 15:30	0.1	55	3	0.8	0	31.5	37
13/11/2022 15:40	0	53	2	0.9	0	31.4	38
13/11/2022 15:50	0	57	1	0	0	31.4	42
13/11/2022 16:00	0	57	2	0	0	31.3	42
13/11/2022 16:10	0	31	2	0	0	31.7	38



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/11/2022 16:20	0	11	2	0	0	32.1	35
13/11/2022 16:30	0	175	5	0	0	30.9	42
13/11/2022 16:40					0	30.9	36
13/11/2022 16:50	0	356	2	0	0	30	48
13/11/2022 17:00	0	185	2	0	0	28.7	58
13/11/2022 17:10	0	359	5	0	0	27.9	64
13/11/2022 17:20	0	350	3	0	0	27.6	66
13/11/2022 17:30	0	350	2	0.1	0	27.5	63
13/11/2022 17:40	0	349	3	0.1	0	27.4	59
13/11/2022 17:50	0	343	5	0	0	27.4	54
13/11/2022 18:00	0	317	4	0.3	0	26.6	69
13/11/2022 18:10	0	309	5	0	0	25.9	76
13/11/2022 18:20	0	296	7	0	0	25.5	78
13/11/2022 18:30	0	305	3	0	0	25.3	78
13/11/2022 18:40	0	298	6	0.1	0	25.2	78
13/11/2022 18:50	0	275	4	0.1	0	25.2	78
13/11/2022 19:00	0	285	5	0	0	25.1	79
13/11/2022 19:10	0	284	7	0.1	0	25.1	78
13/11/2022 19:20	0	281	4	0	0	25	76
13/11/2022 19:30	0	279	4	0	0	25.1	76
13/11/2022 19:40	0	270	3	0.1	0	25	75
13/11/2022 19:50	0	268	4	0.1	0	25	75
13/11/2022 20:00	0	270	3	0.1	0	24.9	72
13/11/2022 20:10	0	266	3	0.1	0	24.9	69
13/11/2022 20:20	0	265	3	0	0	24.8	69
13/11/2022 20:30	0	271	4	0	0	24.7	69
13/11/2022 20:40	0	274	2	0	0	24.6	68
13/11/2022 20:50	0	275	2	0	0	24.6	68
13/11/2022 21:00	0	277	3	0.1	0	24.7	67
13/11/2022 21:10	0	276	2	0	0	24.6	66
13/11/2022 21:20	0	265	2	0.1	0	24.5	64
13/11/2022 21:30	0	269	2	0	0	24.4	65
13/11/2022 21:40	0	281	2	0	0	24.6	63
13/11/2022 21:50	0	286	3	0	0	24.7	62
13/11/2022 22:00	0	285	3	0.1	0	24.9	59
13/11/2022 22:10	0	279	4	0	0	24.7	58
13/11/2022 22:20	0	280	3	0	0	24.5	61
13/11/2022 22:30	0	275	3	0	0	24.3	62
13/11/2022 22:40	0	271	2	0.1	0	23.9	66
13/11/2022 22:50	0	263	2	0.1	0	23.7	68
13/11/2022 23:00	0	266	2	0	0	23.7	72
13/11/2022 23:10	0	264	2	0	0	23.7	74
13/11/2022 23:20	0	269	2	0	0	23.7	75
13/11/2022 23:30	0	262	2	0.1	0	23.6	75
13/11/2022 23:40	0	259	2	0	0	23.3	71
13/11/2022 23:50	0	255	2	0	0	23.2	67
14/11/2022 00:00	0	265	1	0.1	0	22.8	62
14/11/2022 00:10	0	277	0	0	0	23.7	56



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/11/2022 00:20	0	279	0	0	0	24	55
14/11/2022 00:30	0	273	0	0	0	24.3	54
14/11/2022 00:40	0	280	1	0	0	24.1	55
14/11/2022 00:50	0	274	1	0	0	23.9	56
14/11/2022 01:00	0	277	2	0	0	23.8	58
14/11/2022 01:10	0	287	1	0	0	23.9	58
14/11/2022 01:20	0	287	2	0	0	23.8	60
14/11/2022 01:30	0	290	1	0	0	23.8	63
14/11/2022 01:40	0	301	3	0	0	24	61
14/11/2022 01:50	0	313	4	0	0	23.8	67
14/11/2022 02:00	0	309	3	0	0	23.8	68
14/11/2022 02:10	0	313	3	0	0	23.6	70
14/11/2022 02:20	0	304	2	0	0	23.6	70
14/11/2022 02:30	0	309	4	0.1	0	23.6	70
14/11/2022 02:40	0	302	3	0	0	23.6	70
14/11/2022 02:50	0	292	3	0	0	23.4	69
14/11/2022 03:00	0	287	3	0.1	0	22.7	72
14/11/2022 03:10	0	267	6	0	0	22.4	74
14/11/2022 03:20	0	312	4	0.1	0	22.9	73
14/11/2022 03:30	0	308	4	0	0	23.2	72
14/11/2022 03:40	0	290	3	0	0	23.3	70
14/11/2022 03:50	0	279	3	0	0	23.4	69
14/11/2022 04:00	0	266	4	0	0	22.9	71
14/11/2022 04:10	0	284	4	0	0	22.6	75
14/11/2022 04:20	0	317	3	0.1	0	23.3	77
14/11/2022 04:30	0	313	6	0	0	23.3	78
14/11/2022 04:40	0	301	3	0.2	0	23.3	80
14/11/2022 04:50	0	287	5	0.2	0	23.1	80
14/11/2022 05:00	0	270	6	0.1	0	22.8	81
14/11/2022 05:10	0	296	10	0.8	0	22.8	82
14/11/2022 05:20	0	288	5	0.2	0	22.7	82
14/11/2022 05:30	0	303	6	0	0	22.6	83
14/11/2022 05:40	0	316	5	0.2	0	22.7	83
14/11/2022 05:50	0	323	5	0.2	0	23	82
14/11/2022 06:00	0	338	4	0.1	0.1	23.3	82
14/11/2022 06:10	0	338	3	0.1	0	23.6	81
14/11/2022 06:20	0	336	5	0.7	0	24	79
14/11/2022 06:30	0	339	6	0.5	0	24.4	78
14/11/2022 06:40	0.1	335	5	1	0	24.6	77
14/11/2022 06:50	0.1	343	13	0.6	0	25.2	75
14/11/2022 07:00	0	339	3	0.2	0	25.3	75
14/11/2022 07:10	0	351	15	0.1	0	25.6	74
14/11/2022 07:20	0	343	4	0.1	0	25.9	71
14/11/2022 07:30	0	171	4	0	0	26.3	69
14/11/2022 07:40	0	188	7	0	0	27	64
14/11/2022 07:50	0	34	2	0	0	27.8	58
14/11/2022 08:00	0	120	4	0	0	27.7	63
14/11/2022 08:10	0	99	6	0	0	27.7	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/11/2022 08:20	0	107	3	0	0	27.6	64
14/11/2022 08:30	0	103	3	0	0.1	27.1	67
14/11/2022 08:40	0	102	2	0	0	27	67
14/11/2022 08:50	0	75	3	0	0	26.7	66
14/11/2022 09:00	0	103	8	0.1	0	27.1	67
14/11/2022 09:10	0	85	9	0	0	27.1	65
14/11/2022 09:20	0	80	9	0	0	27.6	63
14/11/2022 09:30	0	107	6	0	0	27.8	64
14/11/2022 09:40	0	63	4	0.1	0	27.5	58
14/11/2022 09:50	0	71	6	0	0	27.6	58
14/11/2022 10:00	0	72	7	0	0	28.2	58
14/11/2022 10:10	0	53	6	0.2	0	28	57
14/11/2022 10:20	0	51	4	0	0	27.9	56
14/11/2022 10:30	0	48	4	0	0	28	55
14/11/2022 10:40	0	64	4	0	0	28.2	56
14/11/2022 10:50	0	62	5	0	0	28.2	56
14/11/2022 11:00	0	54	4	0	0	28.2	57
14/11/2022 11:10	0	57	5	0	0	28	56
14/11/2022 11:20	0	60	3	0	0	27.9	59
14/11/2022 11:30	0	59	4	0	0	27.9	62
14/11/2022 11:40	0	55	4	0	0	27.6	65
14/11/2022 11:50	0	67	5	0	0	27.6	67
14/11/2022 12:00	0	53	5	0	0	27.4	69
14/11/2022 12:10	0	54	5	0	0	27.1	69
14/11/2022 12:20	0	61	4	0	0	27.6	67
14/11/2022 12:30	0	52	2	0	0	27.4	69
14/11/2022 12:40	0	54	4	0	0	27.6	69
14/11/2022 12:50	0	59	3	0	0	27.8	67
14/11/2022 13:00	0	54	4	0	0	28.3	62
14/11/2022 13:10	0	55	3	0	0	28.6	61
14/11/2022 13:20	0	51	3	0	0	28.8	60
14/11/2022 13:30	0	54	3	0	0	29.2	57
14/11/2022 13:40	0	47	2	0	0	29.7	55
14/11/2022 13:50	0	54	3	0	0	30	51
14/11/2022 14:00	0	66	2	0	0	30	54
14/11/2022 14:10	0	68	1	0	0	30.3	53
14/11/2022 14:20	0	37	3	0	0	30.5	54
14/11/2022 14:30	0	178	5	0	0	30	55
14/11/2022 14:40	0	183	3	0	0	29.6	57
14/11/2022 14:50	0	357	4	0	0	29.5	57
14/11/2022 15:00	0	351	3	0	0	29.6	57
14/11/2022 15:10	0	2	2	0	0	29.3	58
14/11/2022 15:20	0	179	5	0	0	29.4	57
14/11/2022 15:30	0	343	4	0	0	29.5	55
14/11/2022 15:40	0	328	4	0	0	29	58
14/11/2022 15:50	0	321	2	0	0	28.7	58
14/11/2022 16:00	0	322	4	0	0	28.6	58
14/11/2022 16:10	0	331	5	0	0	28.4	59



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/11/2022 16:20	0	339	4	0	0	28.1	62
14/11/2022 16:30	0	349	5	0	0	27.9	65
14/11/2022 16:40	0	340	3	0	0	27.7	66
14/11/2022 16:50	0	333	4	0	0	27.2	69
14/11/2022 17:00	0	330	2	0	0	27.1	70
14/11/2022 17:10	0	313	5	0.1	0	27	71
14/11/2022 17:20	0	316	3	0	0	26.9	72
14/11/2022 17:30	0	313	2	0	0	26.6	73
14/11/2022 17:40	0	319	4	0	0	26.5	73
14/11/2022 17:50	0	326	4	0.1	0	26.5	73
14/11/2022 18:00	0	320	3	0.1	0	26.3	74
14/11/2022 18:10	0	322	3	0	0	26	73
14/11/2022 18:20	0	322	4	0	0	25.9	74
14/11/2022 18:30	0	321	4	0.1	0	25.8	74
14/11/2022 18:40	0	311	5	0.1	0	25.6	75
14/11/2022 18:50	0	310	5	0.1	0	25.5	76
14/11/2022 19:00	0	304	5	0.1	0	25.5	76
14/11/2022 19:10	0	300	5	0.1	0	25.5	76
14/11/2022 19:20	0	294	6	0	0	25.4	77
14/11/2022 19:30	0	300	4	0	0	25.4	77
14/11/2022 19:40	0	300	5	0	0	25.3	78
14/11/2022 19:50	0	300	4	0	0	25.3	77
14/11/2022 20:00	0	298	4	0.1	0	25.2	77
14/11/2022 20:10	0	301	5	0	0	25.2	77
14/11/2022 20:20	0	295	5	0	0	25.1	77
14/11/2022 20:30	0	286	5	0	0	25	78
14/11/2022 20:40	0	276	4	0	0	24.8	79
14/11/2022 20:50	0	273	2	0	0	24.8	79
14/11/2022 21:00	0	278	3	0.1	0	24.7	80
14/11/2022 21:10	0	274	2	0.1	0	24.6	80
14/11/2022 21:20	0	272	3	0	0	24.5	80
14/11/2022 21:30	0	271	3	0	0	24.5	80
14/11/2022 21:40	0	267	3	0	0	24.5	80
14/11/2022 21:50	0	271	3	0.1	0	24.5	81
14/11/2022 22:00	0	267	2	0.1	0	24.5	81
14/11/2022 22:10	0	264	4	0	0	24.3	82
14/11/2022 22:20	0	265	3	0.1	0	24.3	83
14/11/2022 22:30	0	264	2	0	0	24.2	84
14/11/2022 22:40	0	266	3	0	0	24.1	84
14/11/2022 22:50	0	263	4	0.1	0	24.1	84
14/11/2022 23:00	0	262	3	0.1	0	24.1	84
14/11/2022 23:10	0	262	3	0	0	23.9	84
14/11/2022 23:20	0	267	4	0.1	0	23.9	84
14/11/2022 23:30	0	262	3	0	0	23.9	84
14/11/2022 23:40	0	259	2	0.1	0	23.8	83
14/11/2022 23:50	0	257	3	0.1	0	23.8	83
15/11/2022 00:00	0	260	4	0	0	23.8	83
15/11/2022 00:10	0	263	4	0	0	23.8	83





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/11/2022 00:20	0	262	4	0	0	23.7	82
15/11/2022 00:30	0	263	3	0.1	0	23.7	82
15/11/2022 00:40	0	258	4	0.1	0	23.7	82
15/11/2022 00:50	0	254	4	0.6	0	23.7	81
15/11/2022 01:00	0	255	4	0.3	0	23.7	81
15/11/2022 01:10	0	250	3	0.5	0	23.5	82
15/11/2022 01:20	0	255	3	0	0	23.5	82
15/11/2022 01:30	0	255	3	0.8	0	23.4	82
15/11/2022 01:40	0	254	3	0	0	23.4	83
15/11/2022 01:50	0	250	4	0.7	0	23.2	83
15/11/2022 02:00	0	241	6	0.5	0	23.2	83
15/11/2022 02:10	0	252	2	0	0	23	84
15/11/2022 02:20	0	249	2	0.1	0	22.8	84
15/11/2022 02:30	0	255	2	0	0	22.7	84
15/11/2022 02:40	0	252	2	0	0	22.6	85
15/11/2022 02:50	0	252	4	0.1	0	22.6	85
15/11/2022 03:00	0	249	1	0	0	22.5	85
15/11/2022 03:10	0	252	3	0.6	0	22.4	85
15/11/2022 03:20	0	256	2	0.3	0	22.3	85
15/11/2022 03:30	0	259	1	0	0	22.3	85
15/11/2022 03:40	0	287	5	0.6	0	22.3	85
15/11/2022 03:50	0	301	4	0	0	22.4	85
15/11/2022 04:00	0	280	1	0	0	22.6	83
15/11/2022 04:10	0	289	3	0.3	0	22.7	83
15/11/2022 04:20	0	299	3	0.5	0	22.8	83
15/11/2022 04:30	0	278	4	0.1	0	23	83
15/11/2022 04:40	0	274	4	0.2	0	22.9	83
15/11/2022 04:50	0	279	2	0.4	0	22.9	84
15/11/2022 05:00	0	279	2	0	0	22.9	84
15/11/2022 05:10	0.1	276	2	0.9	0	22.8	84
15/11/2022 05:20	0	278	2	0.2	0	22.8	84
15/11/2022 05:30	0	277	2	0.3	0	22.7	85
15/11/2022 05:40	0	259	4	0.1	0	22.7	85
15/11/2022 05:50	0	259	1	0.1	0	22.6	85
15/11/2022 06:00	0	255	1	0.5	0	22.6	85
15/11/2022 06:10	0	261	3	0.1	0	22.7	85
15/11/2022 06:20	0	267	4	0.3	0	22.9	85
15/11/2022 06:30	0	267	5	0.1	0	23.2	84
15/11/2022 06:40	0	269	4	0.4	0	23.4	83
15/11/2022 06:50	0	269	4	0	0	23.7	83
15/11/2022 07:00	0	324	14	0.7	0	23.9	81
15/11/2022 07:10	0	43	1	0	0	23.8	80
15/11/2022 07:20	0	44	0	0.7	0	24.4	80
15/11/2022 07:30	0	44	0	0.1	0	25.4	76
15/11/2022 07:40	0	156	14	0	0	26	71
15/11/2022 07:50	0	252	2	0.3	0	26.2	70
15/11/2022 08:00	0	58	25	0.1	0	26	70
15/11/2022 08:10	0.1	63	15	0.5	0	26	71



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/11/2022 08:20	0	84	5	0.1	0	26	72
15/11/2022 08:30	0	106	13	0.1	0	26.4	72
15/11/2022 08:40	0.1	64	10	0.3	0	26.6	69
15/11/2022 08:50	0	118	4	0.7	0	26.9	70
15/11/2022 09:00	0.1	130	5	0.9	0	26.6	71
15/11/2022 09:10	0	101	9	0.1	0	27.2	70
15/11/2022 09:20	0	76	7	0	0	27	70
15/11/2022 09:30	0	61	7	0.1	0	27.5	68
15/11/2022 09:40	0	62	10	0	0	27.6	68
15/11/2022 09:50	0	50	10	0	0	27.5	69
15/11/2022 10:00	0	53	6	0.1	0	27.6	68
15/11/2022 10:10	0	63	10	0	0	27.8	67
15/11/2022 10:20	0	38	6	0	0	28.4	63
15/11/2022 10:30	0	333	5	0	0	28.1	62
15/11/2022 10:40	0	326	5	0.1	0	28.2	63
15/11/2022 10:50	0	334	5	0	0	27.9	63
15/11/2022 11:00	0	326	7	0	0	28	63
15/11/2022 11:10	0	179	6	0	0	27.7	65
15/11/2022 11:20	0	347	6	0	0	27.1	69
15/11/2022 11:30	0	175	4	0.1	0	27.1	69
15/11/2022 11:40	0	183	4	0	0	27.2	67
15/11/2022 11:50	0	351	4	0	0	27.4	67
15/11/2022 12:00	0	351	5	0	0	27.2	68
15/11/2022 12:10	0	352	6	0	0	27.9	65
15/11/2022 12:20	0	351	5	0.1	0	27.8	65
15/11/2022 12:30	0	344	5	0	0	28	60
15/11/2022 12:40	0	341	4	0	0	28.4	53
15/11/2022 12:50	0	344	6	0	0	29.2	54
15/11/2022 13:00	0	3	6	0	0	28.8	56
15/11/2022 13:10	0	184	3	0.1	0	28.6	62
15/11/2022 13:20	0	333	5	0	0	28.6	63
15/11/2022 13:30	0	346	7	0.1	0	28.8	62
15/11/2022 13:40	0	335	6	0	0	28.6	58
15/11/2022 13:50	0	347	5	0	0	28.6	60
15/11/2022 14:00	0	338	3	0.1	0	28.2	65
15/11/2022 14:10	0	343	5	0.2	0	27.8	69
15/11/2022 14:20	0	337	6	0.1	0	27.9	69
15/11/2022 14:30	0	352	3	0	0	28	65
15/11/2022 14:40	0	342	5	0.2	0	27.9	68
15/11/2022 14:50	0	347	4	0.1	0	27.4	71
15/11/2022 15:00	0	328	5	0	0	27.5	71
15/11/2022 15:10	0	327	5	0.1	0	27.6	71
15/11/2022 15:20	0	325	4	0	0	27.5	70
15/11/2022 15:30	0	320	4	0	0	27.7	68
15/11/2022 15:40	0	332	4	0	0	27.3	68
15/11/2022 15:50	0	340	4	0	0	27.4	70
15/11/2022 16:00	0	326	4	0	0	27.4	71
15/11/2022 16:10	0	331	7	0	0	27	72



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/11/2022 16:20	0	344	6	0	0	26.9	73
15/11/2022 16:30	0	339	6	0	0	27.1	72
15/11/2022 16:40	0	323	6	0	0	26.8	73
15/11/2022 16:50	0	338	4	0	0	26.7	73
15/11/2022 17:00	0	327	4	0	0	26.7	73
15/11/2022 17:10	0	336	9	0	0	26.4	74
15/11/2022 17:20	0	326	6	0	0	26.6	73
15/11/2022 17:30	0	338	5	0	0	26.6	72
15/11/2022 17:40	0	322	8	0	0	26.4	73
15/11/2022 17:50	0	313	2	0	0	26.1	74
15/11/2022 18:00	0	320	6	0	0	26	75
15/11/2022 18:10	0	326	4	0	0	25.7	76
15/11/2022 18:20	0	310	3	0	0	25.5	77
15/11/2022 18:30	0	309	5	0.1	0	25.5	76
15/11/2022 18:40	0	327	6	0	0	25.5	76
15/11/2022 18:50	0	317	5	0	0	25.5	76
15/11/2022 19:00	0	326	5	0	0	25.4	76
15/11/2022 19:10	0	320	6	0	0	25.4	77
15/11/2022 19:20	0	320	5	0	0	25.4	77
15/11/2022 19:30	0	314	6	0	0	25.3	77
15/11/2022 19:40	0	310	5	0	0	25.3	77
15/11/2022 19:50	0	297	5	0	0	25.3	77
15/11/2022 20:00	0	307	5	0	0	25.2	77
15/11/2022 20:10	0	307	3	0	0	25.2	78
15/11/2022 20:20	0	303	6	0	0	25.2	77
15/11/2022 20:30	0	292	7	0.1	0	25.2	78
15/11/2022 20:40	0	284	5	0	0	25.1	79
15/11/2022 20:50	0	275	5	0	0	25	79
15/11/2022 21:00	0	281	4	0	0	24.8	80
15/11/2022 21:10	0	297	6	0	0	24.9	79
15/11/2022 21:20	0	286	4	0	0	24.9	79
15/11/2022 21:30	0	303	6	0	0	24.8	78
15/11/2022 21:40	0	295	8	0	0	24.8	79
15/11/2022 21:50	0	307	4	0	0	24.7	78
15/11/2022 22:00	0	297	6	0	0	24.7	78
15/11/2022 22:10	0	302	7	0.1	0	24.6	79
15/11/2022 22:20	0	283	4	0	0	24.5	79
15/11/2022 22:30	0	265	5	0.1	0	24.5	79
15/11/2022 22:40	0	266	5	0	0	24.4	79
15/11/2022 22:50	0	269	4	0	0	24.3	79
15/11/2022 23:00	0	273	6	0	0	24.3	79
15/11/2022 23:10	0	283	5	0.1	0	24.2	79
15/11/2022 23:20	0	291	4	0	0	24.3	79
15/11/2022 23:30	0	286	4	0	0	24.2	79
15/11/2022 23:40	0	273	6	0.1	0	24.1	79
15/11/2022 23:50	0	284	4	0.1	0	24.1	79
16/11/2022 00:00	0	285	3	0	0	24.1	79
16/11/2022 00:10	0	286	5	0.1	0	24	79



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/11/2022 00:20	0	283	4	0.1	0	24	79
16/11/2022 00:30	0	286	5	0.1	0	24	79
16/11/2022 00:40	0	271	5	0.1	0	24	79
16/11/2022 00:50	0	265	3	0	0	23.9	80
16/11/2022 01:00	0	277	6	0.1	0	23.8	80
16/11/2022 01:10	0	281	5	0	0	23.8	80
16/11/2022 01:20	0	268	6	0	0	23.7	80
16/11/2022 01:30	0	266	5	0	0	23.8	80
16/11/2022 01:40	0	264	5	0.1	0	23.7	80
16/11/2022 01:50	0	262	3	0	0	23.7	80
16/11/2022 02:00	0	262	4	0	0	23.6	80
16/11/2022 02:10	0	260	4	0.1	0	23.6	80
16/11/2022 02:20	0	265	5	0.1	0	23.5	79
16/11/2022 02:30	0	266	4	0	0	23.5	78
16/11/2022 02:40	0	269	3	0	0	23.5	77
16/11/2022 02:50	0	263	5	0.1	0	23.5	76
16/11/2022 03:00	0	266	5	0.1	0	23.5	77
16/11/2022 03:10	0	264	6	0.1	0	23.4	78
16/11/2022 03:20	0	270	5	0.1	0	23.3	77
16/11/2022 03:30	0	273	5	0.1	0	23.3	78
16/11/2022 03:40	0	270	5	0.1	0	23.4	78
16/11/2022 03:50	0	270	5	0.1	0	23.3	78
16/11/2022 04:00	0	272	6	0.1	0	23.3	78
16/11/2022 04:10	0	279	5	0	0	23.3	78
16/11/2022 04:20	0	275	5	0	0	23.2	78
16/11/2022 04:30	0	274	5	0.1	0	23.2	78
16/11/2022 04:40	0	278	6	0	0	23.2	78
16/11/2022 04:50	0	277	6	0.1	0	23	78
16/11/2022 05:00	0	279	5	0	0	22.9	78
16/11/2022 05:10	0	298	6	0.1	0	23.1	78
16/11/2022 05:20	0	299	4	0	0	23.2	77
16/11/2022 05:30	0	289	4	0.1	0	23.3	76
16/11/2022 05:40	0	290	6	0.1	0	23.3	75
16/11/2022 05:50	0	273	5	0	0	23.3	77
16/11/2022 06:00	0	267	4	0	0	23.3	78
16/11/2022 06:10	0	267	3	0	0	23.5	77
16/11/2022 06:20	0	267	4	0	0	23.8	75
16/11/2022 06:30	0	269	5	0	0	24.2	72
16/11/2022 06:40	0	267	6	0	0	24.5	71
16/11/2022 06:50	0	266	7	0.1	0	24.7	69
16/11/2022 07:00	0	271	9	0	0	25.1	68
16/11/2022 07:10	0	280	7	0	0	25.2	68
16/11/2022 07:20	0	277	8	0	0	25.5	67
16/11/2022 07:30	0	288	8	0.1	0	25.6	66
16/11/2022 07:40	0	286	6	0	0	25.8	65
16/11/2022 07:50	0	317	7	0	0	26.1	63
16/11/2022 08:00	0	302	9	0.1	0	25.9	64
16/11/2022 08:10	0	301	10	0.1	0	26.4	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/11/2022 08:20	0	281	7	0	0	26.3	63
16/11/2022 08:30	0	294	5	0	0	26	63
16/11/2022 08:40	0	290	5	0.1	0	26.1	64
16/11/2022 08:50	0	278	6	0.1	0	26.3	64
16/11/2022 09:00	0	281	9	0	0	26.4	62
16/11/2022 09:10	0	284	4	0.1	0	26.7	61
16/11/2022 09:20	0	280	6	0	0	26.8	60
16/11/2022 09:30	0	288	6	0.1	0	26.5	60
16/11/2022 09:40	0	296	6	0	0	26.6	60
16/11/2022 09:50	0	278	3	0	0	27	59
16/11/2022 10:00	0	283	5	0.1	0	27.1	60
16/11/2022 10:10	0	287	6	0	0	26.8	61
16/11/2022 10:20	0	277	5	0	0	27	61
16/11/2022 10:30	0	313	15	0.1	0	27	60
16/11/2022 10:40	0	314	7	0	0	26.8	59
16/11/2022 10:50	0	324	7	0.1	0	26.9	58
16/11/2022 11:00	0	322	6	0	0	27.2	59
16/11/2022 11:10	0	306	6	0	0	26.9	61
16/11/2022 11:20	0	302	8	0	0	27	61
16/11/2022 11:30	0	312	6	0	0	26.8	62
16/11/2022 11:40	0	297	7	0	0	26.8	61
16/11/2022 11:50	0	323	11	0	0	27.3	60
16/11/2022 12:00	0	304	3	0	0	27.2	60
16/11/2022 12:10	0	319	8	0	0	26.9	61
16/11/2022 12:20	0	303	3	0	0	26.7	63
16/11/2022 12:30	0	316	5	0	0	27.1	62
16/11/2022 12:40	0	301	5	0	0	26.6	63
16/11/2022 12:50	0	310	4	0	0	27	62
16/11/2022 13:00	0	320	4	0	0	27.4	61
16/11/2022 13:10	0	307	7	0	0	26.8	63
16/11/2022 13:20	0	301	5	0	0	27	62
16/11/2022 13:30	0	310	5	0	0	26.8	62
16/11/2022 13:40	0	317	4	0	0	26.8	62
16/11/2022 13:50	0	303	5	0	0	27.1	61
16/11/2022 14:00	0	296	3	0.1	0	27.3	61
16/11/2022 14:10	0	296	9	0	0	26.7	63
16/11/2022 14:20	0	314	4	0	0	26.4	64
16/11/2022 14:30	0	285	8	0	0	26.7	63
16/11/2022 14:40	0	303	4	0	0	26.6	63
16/11/2022 14:50	0	311	3	0	0	26.6	63
16/11/2022 15:00	0	310	4	0	0	27.1	61
16/11/2022 15:10	0	294	4	0	0	26.7	62
16/11/2022 15:20	0	297	4	0.6	0	26.4	63
16/11/2022 15:30	0	304	5	0.6	0	26.9	62
16/11/2022 15:40	0	295	4	0.1	0	26.3	64
16/11/2022 15:50	0	299	4	0	0	26.4	63
16/11/2022 16:00	0	309	4	0	0	26.3	63
16/11/2022 16:10	0	310	4	0.1	0	26.2	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/11/2022 16:20	0	311	3	0	0	26.3	63
16/11/2022 16:30	0	298	5	0.1	0	26.4	62
16/11/2022 16:40	0	294	6	0	0	26.4	63
16/11/2022 16:50	0	292	3	0	0	26.6	62
16/11/2022 17:00	0	281	4	0	0	26.4	62
16/11/2022 17:10	0	289	5	0	0	26.1	64
16/11/2022 17:20	0	285	3	0	0	26.1	64
16/11/2022 17:30	0	281	3	0	0	25.9	64
16/11/2022 17:40	0	283	4	0.1	0	25.7	65
16/11/2022 17:50	0	284	2	0.1	0	25.5	64
16/11/2022 18:00	0	273	4	0	0	25.3	65
16/11/2022 18:10	0	281	3	0	0	25.2	64
16/11/2022 18:20	0	282	3	0	0	24.9	66
16/11/2022 18:30	0	278	3	0	0	24.6	67
16/11/2022 18:40	0	277	3	0	0	24.5	67
16/11/2022 18:50	0	282	4	0.1	0	24.4	67
16/11/2022 19:00	0	274	3	0	0	24.3	68
16/11/2022 19:10	0	281	4	0	0	24.2	67
16/11/2022 19:20	0	283	6	0.1	0	24.2	68
16/11/2022 19:30	0	271	4	0	0	24	68
16/11/2022 19:40	0	275	6	0.1	0	24	69
16/11/2022 19:50	0	283	5	0	0	23.9	69
16/11/2022 20:00	0	270	5	0	0	23.9	69
16/11/2022 20:10	0	265	4	0.1	0	23.8	70
16/11/2022 20:20	0	273	4	0	0	23.8	70
16/11/2022 20:30	0	267	5	0	0	23.7	70
16/11/2022 20:40	0	264	4	0.1	0	23.7	70
16/11/2022 20:50	0	265	3	0	0	23.6	70
16/11/2022 21:00	0	267	4	0	0	23.6	70
16/11/2022 21:10	0	271	4	0.1	0	23.6	70
16/11/2022 21:20	0	272	2	0	0	23.5	70
16/11/2022 21:30	0	267	5	0.1	0	23.5	71
16/11/2022 21:40	0	262	5	0.2	0	23.5	70
16/11/2022 21:50	0	266	5	0.3	0	23.5	71
16/11/2022 22:00	0	265	7	0.1	0	23.4	71
16/11/2022 22:10	0	255	5	0.2	0	23.3	69
16/11/2022 22:20	0	257	6	0.2	0	23.3	69
16/11/2022 22:30	0	268	4	0	0	23.3	69
16/11/2022 22:40	0	274	3	0.1	0	23.3	69
16/11/2022 22:50	0	263	3	0.1	0	23.2	69
16/11/2022 23:00	0	278	4	0.1	0	23.2	70
16/11/2022 23:10	0	271	5	0.1	0	23.2	69
16/11/2022 23:20	0	267	4	0.1	0	23.2	69
16/11/2022 23:30	0	272	3	0	0	23.1	69
16/11/2022 23:40	0	263	5	0.1	0	23.2	69
16/11/2022 23:50	0	263	4	0	0	23.1	69
17/11/2022 00:00	0	261	3	0.1	0	23.1	69
17/11/2022 00:10	0	258	4	0.2	0	23	69



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/11/2022 00:20	0	264	5	0.1	0	23	69
17/11/2022 00:30	0	263	2	0.1	0	22.9	69
17/11/2022 00:40	0	257	2	0	0	22.9	69
17/11/2022 00:50	0	271	3	0.1	0	22.8	69
17/11/2022 01:00	0	268	4	0.3	0	22.8	68
17/11/2022 01:10	0	264	3	0.1	0	22.8	69
17/11/2022 01:20	0	270	4	0	0	22.8	68
17/11/2022 01:30	0	263	4	0	0	22.8	68
17/11/2022 01:40	0	272	3	0	0	22.9	67
17/11/2022 01:50	0	267	4	0.2	0	22.9	67
17/11/2022 02:00	0	266	5	0.1	0	22.9	68
17/11/2022 02:10	0	272	2	0	0	22.8	67
17/11/2022 02:20	0	261	5	0.1	0	22.8	66
17/11/2022 02:30	0	267	4	0.2	0	22.8	66
17/11/2022 02:40	0	265	5	0.1	0	22.8	66
17/11/2022 02:50	0	268	2	0.1	0	22.9	67
17/11/2022 03:00	0	261	5	0.1	0	22.8	66
17/11/2022 03:10	0	256	1	0	0	22.8	66
17/11/2022 03:20	0	267	4	0.1	0	22.8	67
17/11/2022 03:30	0	271	4	0.1	0	22.9	68
17/11/2022 03:40	0	282	3	0.1	0	23	68
17/11/2022 03:50	0	260	4	0.1	0	23.1	67
17/11/2022 04:00	0	255	4	0.1	0	23.2	66
17/11/2022 04:10	0	251	5	0.1	0	23.2	65
17/11/2022 04:20	0	265	5	0	0	23	65
17/11/2022 04:30	0	265	4	0	0	23	65
17/11/2022 04:40	0	247	4	0	0	23.1	65
17/11/2022 04:50	0	248	5	0.1	0	23.2	64
17/11/2022 05:00	0	251	4	0.1	0	23.1	63
17/11/2022 05:10	0	248	2	0	0	23.1	64
17/11/2022 05:20	0	252	4	0.1	0	23.2	63
17/11/2022 05:30	0	265	4	0.1	0	23.3	62
17/11/2022 05:40	0	262	5	0	0	23.2	63
17/11/2022 05:50	0	269	4	0	0	23.2	65
17/11/2022 06:00	0	277	3	0.1	0	23.4	65
17/11/2022 06:10	0	278	3	0.1	0	23.5	64
17/11/2022 06:20	0	276	4	0	0	23.4	64
17/11/2022 06:30	0	284	5	0.1	0	23.5	63
17/11/2022 06:40	0	281	4	0.1	0	23.7	62
17/11/2022 06:50	0	279	5	0.1	0	23.9	62
17/11/2022 07:00	0	264	4	0.1	0	24.4	61
17/11/2022 07:10	0	264	4	0.1	0	24.9	58
17/11/2022 07:20	0	269	4	0	0	25.4	57
17/11/2022 07:30	0	266	6	0	0	25.5	57
17/11/2022 07:40	0	268	5	0.1	0	25.2	57
17/11/2022 07:50	0	260	4	0	0	25.3	57
17/11/2022 08:00	0	260	7	0.1	0	25.4	58
17/11/2022 08:10	0	255	8	0	0	25.7	57



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/11/2022 08:20	0	250	7	0	0	25.8	57
17/11/2022 08:30	0	276	7	0.1	0	25.7	58
17/11/2022 08:40	0	256	3	0.1	0	25.9	58
17/11/2022 08:50	0	252	5	0	0	25.7	58
17/11/2022 09:00	0	252	6	0	0	25.6	57
17/11/2022 09:10	0	251	7	0.1	0	26.2	56
17/11/2022 09:20	0	253	5	0	0	26.4	55
17/11/2022 09:30	0	259	9	0	0	26.4	54
17/11/2022 09:40	0	266	8	0	0	26.5	55
17/11/2022 09:50	0	266	7	0.1	0	26.6	55
17/11/2022 10:00	0	268	7	0.1	0	27	54
17/11/2022 10:10	0	272	4	0	0	26.8	55
17/11/2022 10:20	0	282	4	0	0	26.5	56
17/11/2022 10:30	0	275	4	0.1	0	26.6	56
17/11/2022 10:40	0	263	5	0.1	0	27	53
17/11/2022 10:50	0	271	5	0	0	26.5	54
17/11/2022 11:00	0	263	8	0.1	0	26.9	54
17/11/2022 11:10	0	271	3	0	0	27	54
17/11/2022 11:20	0	268	6	0	0	27.4	52
17/11/2022 11:30	0	272	2	0.5	0	26.9	54
17/11/2022 11:40	0.1	270	4	1.3	0	27	54
17/11/2022 11:50	0	267	5	1.2	0	27.1	53
17/11/2022 12:00	0.1	268	5	1.2	0	26.9	53
17/11/2022 12:10	0.2	266	6	3.1	0	27.3	52
17/11/2022 12:20	0.2	267	7	2.9	0	27.2	50
17/11/2022 12:30	0.1	267	6	3.1	0	27.1	51
17/11/2022 12:40	0	269	2	0.6	0	27.4	50
17/11/2022 12:50	0.1	265	5	1.5	0	27.1	50
17/11/2022 13:00	0	267	3	0.9	0	27.2	51
17/11/2022 13:10	0.1	271	4	1.2	0	27.1	51
17/11/2022 13:20	0.1	261	5	1.5	0	27.4	48
17/11/2022 13:30	0.2	267	6	1.9	0	27.1	49
17/11/2022 13:40	0.3	260	5	3.4	0.2	27.2	48
17/11/2022 13:50	0.1	267	3	1	0	27.1	49
17/11/2022 14:00	0.5	257	4	4.6	0	27.2	51
17/11/2022 14:10	0.2	260	6	2.3	0	26.8	50
17/11/2022 14:20	0.1	261	4	1.3	0	27.3	48
17/11/2022 14:30	0.2	259	4	2.1	0	27	47
17/11/2022 14:40	0.1	266	5	1.4	0.1	27.5	45
17/11/2022 14:50	0.2	260	5	2.8	0	27.5	44
17/11/2022 15:00	0.1	258	6	1.6	0.1	27.7	44
17/11/2022 15:10	0.1	256	4	1.5	0	27.7	44
17/11/2022 15:20	0	274	2	0.4	0	27.4	47
17/11/2022 15:30	0	287	3	0.8	0	27	48
17/11/2022 15:40	0	287	1	0.8	0	26.9	47
17/11/2022 15:50	0.2	269	6	2.4	0	26.9	49
17/11/2022 16:00	0.1	265	3	2.1	0.1	26.7	50
17/11/2022 16:10	0	269	4	0.2	0	26.8	52





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/11/2022 16:20	0.2	270	3	2.1	0	26.4	52
17/11/2022 16:30	0.1	269	4	2.5	0	26.4	51
17/11/2022 16:40	0.3	259	5	2.8	0	26.3	54
17/11/2022 16:50	0.1	267	4	1.5	0.1	26.2	55
17/11/2022 17:00	0.4	269	4	4.3	0.1	25.9	56
17/11/2022 17:10	0.2	265	4	2.1	0	26.1	55
17/11/2022 17:20	0.2	269	5	3.2	0	25.9	55
17/11/2022 17:30	0.1	269	5	2.5	0	25.8	57
17/11/2022 17:40	0.2	270	4	2.1	0.1	25.6	58
17/11/2022 17:50	0.2	271	3	3	0	25.4	60
17/11/2022 18:00	0.2	264	5	2.8	0.1	25.3	59
17/11/2022 18:10	0.3	271	3	4.7	0.1	25.2	61
17/11/2022 18:20	0.1	266	5	1	0	25	62
17/11/2022 18:30	0.4	271	4	5.9	0	24.7	63
17/11/2022 18:40	0.2	261	5	2.8	0	24.5	64
17/11/2022 18:50	0.4	269	5	4.4	0	24.4	65
17/11/2022 19:00	0.7	266	6	4.8	0	24.3	64
17/11/2022 19:10	0.8	265	5	6.1	0.3	24.2	67
17/11/2022 19:20	0.3	261	5	2.6	0	24.2	68
17/11/2022 19:30	0.4	261	6	3.8	0	24.1	70
17/11/2022 19:40	0.8	260	7	5.5	0	24	70
17/11/2022 19:50	0.6	259	6	3.9	0	24	71
17/11/2022 20:00	1.1	257	6	6.2	0.6	24	71
17/11/2022 20:10	0.3	258	6	4.2	0	24	71
17/11/2022 20:20	1.3	256	7	6.1	0.5	24	71
17/11/2022 20:30	0.8	257	8	6.2	0	23.9	70
17/11/2022 20:40	0.8	254	6	4.9	0	23.9	70
17/11/2022 20:50	1.2	256	8	5.7	0.2	23.9	69
17/11/2022 21:00	1.5	258	8	7.5	0.2	23.9	68
17/11/2022 21:10	0.4	254	5	4.3	0.1	23.9	69
17/11/2022 21:20	0.3	257	8	3.4	0	23.9	69
17/11/2022 21:30	1.5	254	8	7.3	0.3	23.9	68
17/11/2022 21:40	0.7	257	9	5.8	0	23.8	69
17/11/2022 21:50	0.5	248	8	4.9	0.2	23.8	68
17/11/2022 22:00	1.3	253	8	6.4	0	23.8	67
17/11/2022 22:10	0.9	255	7	5.5	0	23.8	69
17/11/2022 22:20	0.6	257	7	4.6	0	23.8	67
17/11/2022 22:30	0.9	257	9	5.5	0	23.8	66
17/11/2022 22:40	0.7	262	7	5.7	0	23.8	66
17/11/2022 22:50	1.2	260	6	6.3	0	23.8	66
17/11/2022 23:00	2.2	260	8	7	0.1	23.8	65
17/11/2022 23:10	1	255	7	5.3	0	23.7	66
17/11/2022 23:20	1.2	255	8	5.7	0	23.7	66
17/11/2022 23:30	2.2	253	8	7.3	0	23.6	66
17/11/2022 23:40	0.8	251	7	6.7	0	23.6	67
17/11/2022 23:50	1	245	7	5.3	0	23.6	66
18/11/2022 00:00	1.2	252	9	5	0	23.5	66
18/11/2022 00:10	1.4	249	9	6	0	23.5	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/11/2022 00:20	0.5	245	10	4.9	0	23.4	66
18/11/2022 00:30	0.3	243	9	3.4	0	23.2	65
18/11/2022 00:40	0.4	241	7	4.2	0	23.1	66
18/11/2022 00:50	0.2	239	7	4.2	0	23	65
18/11/2022 01:00	0.6	241	8	5.6	0	22.7	64
18/11/2022 01:10	1.4	245	8	6.7	0.1	22.5	65
18/11/2022 01:20	1	246	8	6.3	0.1	22.2	62
18/11/2022 01:30	1	245	8	4.8	0.3	22.1	59
18/11/2022 01:40	0.9	244	8	5.4	0	21.7	59
18/11/2022 01:50	0.5	244	9	4	0	21.4	59
18/11/2022 02:00	0.8	245	7	6.2	0.2	21.2	60
18/11/2022 02:10	1.1	249	8	6.7	0	20.9	60
18/11/2022 02:20	1.5	249	8	6.2	0	20.8	59
18/11/2022 02:30	1.6	245	8	6.8	0.1	20.8	59
18/11/2022 02:40	0.4	242	10	5.5	0.2	20.8	59
18/11/2022 02:50	0.1	238	6	1.9	0	20.7	59
18/11/2022 03:00	0	244	4	0.8	0	20.5	59
18/11/2022 03:10	0.1	241	7	2.1	0.1	20.5	59
18/11/2022 03:20	0.2	242	8	3.1	0	20.4	59
18/11/2022 03:30	0.1	244	6	2.8	0	20.3	60
18/11/2022 03:40	0.2	245	6	3.3	0.2	20.2	60
18/11/2022 03:50	0.1	242	6	2.2	0	20.2	60
18/11/2022 04:00	0	244	5	0.9	0	20.2	60
18/11/2022 04:10	0	247	6	0.7	0	20	60
18/11/2022 04:20	0.1	247	4	1.7	0	19.9	61
18/11/2022 04:30	0.1	247	4	2	0	19.9	61
18/11/2022 04:40	0.1	243	6	4.2	0	19.8	61
18/11/2022 04:50	0	237	7	0.1	0	19.8	61
18/11/2022 05:00	0	243	6	0.4	0	19.8	61
18/11/2022 05:10	0	243	7	0.1	0	19.7	61
18/11/2022 05:20	0	235	4	0	0	19.6	61
18/11/2022 05:30	0	244	6	0.1	0	19.5	62
18/11/2022 05:40	0	247	5	0.1	0	19.5	62
18/11/2022 05:50	0	240	5	0.1	0	19.5	62
18/11/2022 06:00	0	240	5	0	0	19.6	61
18/11/2022 06:10	0	238	6	0.1	0	19.8	61
18/11/2022 06:20	0	235	5	0.1	0	20.1	60
18/11/2022 06:30	0	238	4	0.8	0	20.2	59
18/11/2022 06:40	0	227	4	0.1	0	20.4	58
18/11/2022 06:50	0	237	5	0.1	0	20.6	58
18/11/2022 07:00	0	234	7	0.1	0	20.8	57
18/11/2022 07:10	0	232	5	0.2	0	20.9	56
18/11/2022 07:20	0	231	4	0.4	0	21.2	56
18/11/2022 07:30	0	235	4	0	0	21.5	54
18/11/2022 07:40	0	226	4	1.9	0	21.7	53
18/11/2022 07:50	0	228	4	0.8	0.1	22	52
18/11/2022 08:00	0	228	5	0.1	0	22.4	51
18/11/2022 08:10	0	227	4	1.2	0	22.8	50



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/11/2022 08:20	0	230	4	1.2	0	23.1	47
18/11/2022 08:30	0	235	5	0.7	0	23.4	46
18/11/2022 08:40	0	224	3	1	0.1	23.8	45
18/11/2022 08:50	0	230	6	0.5	0	24.2	43
18/11/2022 09:00	0	246	5	0.3	0	24.6	41
18/11/2022 09:10	0	237	4	1.3	0.1	24.7	40
18/11/2022 09:20	0	228	7	0.9	0	24.8	40
18/11/2022 09:30	0	237	5	0.5	0	24.9	40
18/11/2022 09:40	0	230	5	0	0	25.3	40
18/11/2022 09:50	0	230	3	0.1	0.1	25.7	39
18/11/2022 10:00	0	231	4	0.6	0	25.8	38
18/11/2022 10:10	0	242	7	0	0	26.1	37
18/11/2022 10:20	0	229	10	0.1	0	26.3	38
18/11/2022 10:30	0	226	9	0.2	0	26.5	38
18/11/2022 10:40	0	244	7	0.1	0	26.7	37
18/11/2022 10:50	0	252	8	0	0	26.8	39
18/11/2022 11:00	0	255	7	0.2	0	26.8	39
18/11/2022 11:10	0	271	6	0.2	0	27	39
18/11/2022 11:20	0.1	278	8	1.4	0	26.8	41
18/11/2022 11:30	0.1	274	8	1.4	0	26.9	42
18/11/2022 11:40	0	280	6	0.9	0	26.7	42
18/11/2022 11:50	0.1	276	8	2.9	0	27.3	40
18/11/2022 12:00	0.1	284	8	1	0	27.2	41
18/11/2022 12:10	0.1	274	7	2.3	0	27.3	40
18/11/2022 12:20	0.3	271	6	3.4	0	27.6	39
18/11/2022 12:30	0.1	282	5	1.4	0	27.8	38
18/11/2022 12:40	0.1	282	7	2.4	0	27.7	39
18/11/2022 12:50	0.4	280	8	3.6	0	27.7	39
18/11/2022 13:00	0.9	275	6	4.6	0	27.7	40
18/11/2022 13:10	0.7	278	5	4.5	0	27.1	45
18/11/2022 13:20	1.1	273	7	5.2	0	27.3	43
18/11/2022 13:30	0.9	273	8	5	0	27.3	46
18/11/2022 13:40	1.2	269	8	4.6	0	27	47
18/11/2022 13:50	1.2	270	6	4	0.1	26.6	48
18/11/2022 14:00	0.7	276	7	4.8	0	26.6	48
18/11/2022 14:10	1	271	8	4.6	0	26.7	48
18/11/2022 14:20	0.7	271	7	4.2	0	27	48
18/11/2022 14:30	1	271	10	4.7	0.1	26.8	49
18/11/2022 14:40	1	270	7	4.3	0	26.9	48
18/11/2022 14:50	0.9	269	7	4.6	0.4	27	49
18/11/2022 15:00	0.7	266	8	3.7	0	26.6	51
18/11/2022 15:10	0.8	271	8	4.3	0.2	26.7	51
18/11/2022 15:20	0.2	273	5	1.8	0	26.6	52
18/11/2022 15:30	1	268	6	4.5	0.3	26.7	53
18/11/2022 15:40	0.4	268	6	3.2	0	26.9	52
18/11/2022 15:50	0.9	272	6	3.9	0	26.6	53
18/11/2022 16:00	0.5	272	5	3.2	0	26.8	53
18/11/2022 16:10	0.5	275	7	4.1	0.1	26.8	53



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/11/2022 16:20	0.4	278	6	2.9	0	26.8	53
18/11/2022 16:30	0.4	268	7	3.4	0	27.1	52
18/11/2022 16:40	0.4	272	7	2.9	0	27	53
18/11/2022 16:50	0.5	270	7	3.2	0	26.8	54
18/11/2022 17:00	1	265	9	4	0	26.5	55
18/11/2022 17:10	1.1	273	8	4.3	0	25.7	61
18/11/2022 17:20	1.3	273	7	3.8	0	25.5	61
18/11/2022 17:30	0.9	272	6	4.1	0.3	25.5	62
18/11/2022 17:40	0.7	270	8	3.5	0	25.4	62
18/11/2022 17:50	0.7	267	7	2.8	0	25	63
18/11/2022 18:00	0.6	261	6	3.7	0	24.9	65
18/11/2022 18:10	1	262	7	3.7	0.2	24.6	66
18/11/2022 18:20	0.4	260	6	2.3	0	24.4	67
18/11/2022 18:30	0.6	261	8	3.8	0.4	24.2	68
18/11/2022 18:40	0.4	264	5	3.4	0	24.1	69
18/11/2022 18:50	0.4	263	6	3.9	0	24.1	69
18/11/2022 19:00	0.6	263	5	3.2	0	24	70
18/11/2022 19:10	0.6	262	6	2.7	0	24	69
18/11/2022 19:20	0.6	262	8	3.2	0	24.1	69
18/11/2022 19:30	1.1	259	7	4.5	0	24.1	69
18/11/2022 19:40	1.1	262	8	4.1	0	24.1	69
18/11/2022 19:50	1	259	7	4.7	0	24.1	70
18/11/2022 20:00	0.7	260	6	3.7	0.3	24.1	70
18/11/2022 20:10	0.6	260	7	4	0	24	70
18/11/2022 20:20	0.9	258	7	4.2	0	24	70
18/11/2022 20:30	0.4	258	5	3.5	0	24	70
18/11/2022 20:40	1.2	254	8	3.8	0	24	70
18/11/2022 20:50	0.6	252	6	4.5	0.1	24	70
18/11/2022 21:00	0.4	255	5	3.6	0	24	71
18/11/2022 21:10	0.7	255	6	4.3	0.1	24.1	71
18/11/2022 21:20	0.8	255	6	4.1	0.2	24	71
18/11/2022 21:30	0.2	260	4	2.4	0	24	71
18/11/2022 21:40	0.8	257	6	4	0.1	24	71
18/11/2022 21:50	0.1	258	3	2.1	0	24	72
18/11/2022 22:00	0.3	254	5	3	0	24	72
18/11/2022 22:10	0.4	255	6	4	0	24	73
18/11/2022 22:20	0.2	253	6	4.2	0	23.9	73
18/11/2022 22:30	0.2	257	4	1.5	0	23.9	73
18/11/2022 22:40	0	256	3	0.7	0	23.9	74
18/11/2022 22:50	0	256	2	0.3	0	23.8	74
18/11/2022 23:00	0	251	2	0	0	23.7	75
18/11/2022 23:10	0	256	3	0	0	23.7	75
18/11/2022 23:20	0	257	1	0	0	23.6	76
18/11/2022 23:30	0	260	3	0	0	23.5	76
18/11/2022 23:40	0	260	3	0	0	23.4	76
18/11/2022 23:50	0	259	3	0	0	23.3	76
19/11/2022 00:00	0	258	1	0	0	23.2	76
19/11/2022 00:10	0	254	3	0	0	22.9	75



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/11/2022 00:20	0	256	2	0	0	22.9	71
19/11/2022 00:30	0	254	1	0	0	22.6	70
19/11/2022 00:40	0	253	2	0	0	22.4	69
19/11/2022 00:50	0	260	2	0	0	22.1	68
19/11/2022 01:00	0	257	2	0	0	21.8	68
19/11/2022 01:10	0	263	1	0	0	21.7	66
19/11/2022 01:20	0	264	1	0	0	21.7	64
19/11/2022 01:30	0	265	1	0	0	21.9	61
19/11/2022 01:40	0	267	1	0	0	21.9	60
19/11/2022 01:50	0	266	1	0	0	21.7	59
19/11/2022 02:00	0	265	1	0	0	21.6	59
19/11/2022 02:10	0	267	1	0	0	21.3	59
19/11/2022 02:20	0	263	1	0	0	20.9	60
19/11/2022 02:30	0	263	1	0	0	20.9	59
19/11/2022 02:40	0	264	0	0	0	20.5	59
19/11/2022 02:50	0	269	1	0	0	20.5	58
19/11/2022 03:00	0	272	1	0	0	20.7	56
19/11/2022 03:10	0	275	1	0	0	21.1	52
19/11/2022 03:20	0	274	1	0	0	21.3	50
19/11/2022 03:30	0	275	1	0	0	21.5	48
19/11/2022 03:40	0	275	1	0	0	21.4	48
19/11/2022 03:50	0	276	1	0	0	21.4	48
19/11/2022 04:00	0	275	1	0	0	21.2	48
19/11/2022 04:10	0	283	2	0	0	21.2	48
19/11/2022 04:20	0	281	3	0	0	21.1	48
19/11/2022 04:30	0	266	3	0	0	21.5	46
19/11/2022 04:40	0	272	2	0	0	21.3	46
19/11/2022 04:50	0	265	2	0	0	21.3	47
19/11/2022 05:00	0	257	3	0	0	21.2	47
19/11/2022 05:10	0	263	5	0	0	21.2	46
19/11/2022 05:20	0	237	9	0	0	21.3	45
19/11/2022 05:30	0	255	7	0	0	21.2	45
19/11/2022 05:40	0	257	5	0	0	21.3	46
19/11/2022 05:50	0	249	11	0.1	0	21.3	47
19/11/2022 06:00	0	243	9	0.1	0	21.5	47
19/11/2022 06:10	0	240	7	0	0	22.1	45
19/11/2022 06:20	0	224	6	0	0	23.1	41
19/11/2022 06:30	0	205	6	0.1	0	23.9	36
19/11/2022 06:40	0	196	2	0	0	24.3	35
19/11/2022 06:50	0	189	6	0.1	0	24.5	35
19/11/2022 07:00	0	179	5	0	0	24.5	35
19/11/2022 07:10	0	176	5	0.1	0	24.8	34
19/11/2022 07:20	0	173	5	0	0	24.7	35
19/11/2022 07:30	0	172	2	0	0	25	35
19/11/2022 07:40	0	175	3	0	0	25.5	33
19/11/2022 07:50	0	178	3	0	0	25.9	32
19/11/2022 08:00	0	172	3	0	0	26.2	32
19/11/2022 08:10	0	158	9	0	0	26.5	31



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/11/2022 08:20	0	147	5	0	0	27.1	31
19/11/2022 08:30	0	139	7	0.2	0	27.5	31
19/11/2022 08:40	0	137	7	0.1	0	27.9	29
19/11/2022 08:50	0	148	11	0	0	28.1	29
19/11/2022 09:00	0	143	12	0	0	28.1	29
19/11/2022 09:10	0	153	8	0	0	28.4	28
19/11/2022 09:20	0	115	9	0	0	29.1	28
19/11/2022 09:30	0	119	3	0	0	29	30
19/11/2022 09:40	0	133	4	0	0	29.1	30
19/11/2022 09:50	0	119	4	0	0	29.8	29
19/11/2022 10:00	0	116	1	0	0	30.1	27
19/11/2022 10:10	0	113	4	0	0	30.3	25
19/11/2022 10:20	0	128	4	0	0	30.4	24
19/11/2022 10:30	0	130	4	0	0	30.2	24
19/11/2022 10:40	0	118	2	0	0	30.6	24
19/11/2022 10:50	0	132	9	0.1	0	31.2	23
19/11/2022 11:00	0	136	6	0	0	31.2	22
19/11/2022 11:10	0	88	7	0	0	31.5	22
19/11/2022 11:20	0	77	7	0	0	31	22
19/11/2022 11:30	0	74	6	0	0	31.1	22
19/11/2022 11:40	0	83	7	0	0	31.5	23
19/11/2022 11:50	0	39	4	0	0	31.4	22
19/11/2022 12:00	0	33	6	0	0	31.9	22
19/11/2022 12:10	0	52	5	0	0	31.8	24
19/11/2022 12:20	0	54	6	0	0	31.8	23
19/11/2022 12:30	0	47	3	0	0	31.8	23
19/11/2022 12:40	0	87	3	0	0	32.5	21
19/11/2022 12:50	0	57	5	0	0	32.3	21
19/11/2022 13:00	0	12	12	0	0	32.5	25
19/11/2022 13:10	0	322	5	0.5	0	31.6	27
19/11/2022 13:20	0	323	3	0.1	0	31.1	25
19/11/2022 13:30	0	336	3	0	0	31.5	27
19/11/2022 13:40	0	317	4	0.9	0	31.4	28
19/11/2022 13:50	0	319	7	0	0	31.1	28
19/11/2022 14:00	0	305	6	0.1	0	31.6	29
19/11/2022 14:10	0	307	7	0	0	30.9	30
19/11/2022 14:20	0	309	5	0	0	30.9	28
19/11/2022 14:30	0	305	4	0.1	0	30.7	29
19/11/2022 14:40	0	301	4	0.2	0	30.5	29
19/11/2022 14:50	0	298	7	0	0	31	30
19/11/2022 15:00	0	309	4	0	0	30.8	27
19/11/2022 15:10	0	306	4	0	0	29.9	27
19/11/2022 15:20	0	299	5	0	0	29.8	27
19/11/2022 15:30	0	314	5	0	0	29.9	27
19/11/2022 15:40	0	297	3	0	0	30.7	27
19/11/2022 15:50	0	294	5	0	0	30.5	26
19/11/2022 16:00	0	287	3	0.3	0	30.3	26
19/11/2022 16:10	0	266	4	0.4	0	30.1	35



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/11/2022 16:20	0	263	2	0.1	0	28.8	41
19/11/2022 16:30	0	267	2	0	0	28.2	43
19/11/2022 16:40	0	263	3	0	0	29.1	40
19/11/2022 16:50	0	261	3	0	0	28.2	43
19/11/2022 17:00	0	261	2	0	0	27.7	45
19/11/2022 17:10	0	264	3	0	0	27.6	46
19/11/2022 17:20	0	259	3	0.1	0	27.8	47
19/11/2022 17:30	0	258	3	0.1	0	27.5	49
19/11/2022 17:40	0	264	2	0	0	27.5	45
19/11/2022 17:50	0	268	2	0	0	27.1	46
19/11/2022 18:00	0	265	2	0	0	27	49
19/11/2022 18:10	0	260	3	0.1	0	26.4	54
19/11/2022 18:20	0	261	2	0.1	0	26.1	57
19/11/2022 18:30	0	267	2	0.1	0	25.9	58
19/11/2022 18:40	0	267	3	0	0	25.8	58
19/11/2022 18:50	0	268	4	0	0	25.8	58
19/11/2022 19:00	0	268	3	0.1	0	25.8	58
19/11/2022 19:10	0	267	3	0	0	25.8	58
19/11/2022 19:20	0	268	2	0	0	25.8	58
19/11/2022 19:30	0	266	3	0	0	25.8	57
19/11/2022 19:40	0	272	3	0	0	25.7	59
19/11/2022 19:50	0	262	4	0	0	25.6	61
19/11/2022 20:00	0	264	3	0	0	25.5	60
19/11/2022 20:10	0	265	5	0.1	0	25.5	59
19/11/2022 20:20	0	266	3	0	0	25.5	61
19/11/2022 20:30	0	262	3	0	0	25.4	63
19/11/2022 20:40	0	267	4	0	0	25.2	65
19/11/2022 20:50	0	263	2	0	0	25.1	66
19/11/2022 21:00	0	263	3	0.1	0	25.1	66
19/11/2022 21:10	0	264	2	0.1	0	25	67
19/11/2022 21:20	0	265	5	0	0	24.9	69
19/11/2022 21:30	0	258	3	0	0	24.8	70
19/11/2022 21:40	0	274	2	0.1	0	24.8	71
19/11/2022 21:50	0	266	3	0.1	0	24.8	71
19/11/2022 22:00	0	267	4	0	0	24.8	70
19/11/2022 22:10	0	275	3	0.1	0	24.8	69
19/11/2022 22:20	0	264	2	0	0	24.7	70
19/11/2022 22:30	0	274	3	0.9	0	24.6	71
19/11/2022 22:40	0	285	1	0	0	24.6	69
19/11/2022 22:50	0	273	3	0.1	0	24.8	67
19/11/2022 23:00	0	276	3	0	0	24.8	65
19/11/2022 23:10	0	271	3	0.1	0	24.7	67
19/11/2022 23:20	0	271	4	0	0	24.5	68
19/11/2022 23:30	0	276	4	0.1	0	24.4	68
19/11/2022 23:40	0	276	2	0	0	24.5	67
19/11/2022 23:50	0	273	3	0.1	0	24.5	69
20/11/2022 00:00	0	273	4	0.3	0	24.5	70
20/11/2022 00:10	0	265	4	0.1	0	24.5	70



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/11/2022 00:20	0	272	4	0.2	0	24.5	72
20/11/2022 00:30	0	267	2	0.1	0	24.5	72
20/11/2022 00:40	0	265	2	0.2	0	24.5	72
20/11/2022 00:50	0	263	3	0.2	0	24.5	73
20/11/2022 01:00	0	260	4	0.2	0	24.5	73
20/11/2022 01:10	0	260	3	0.2	0	24.4	73
20/11/2022 01:20	0	264	5	0.1	0	24.4	73
20/11/2022 01:30	0	262	2	0.1	0	24.4	73
20/11/2022 01:40	0.1	259	5	0.2	0	24.3	74
20/11/2022 01:50	0	265	3	0	0	24.3	74
20/11/2022 02:00	0	257	3	0.3	0	24.3	74
20/11/2022 02:10	0	255	5	0.5	0	24.3	75
20/11/2022 02:20	0	258	3	0.3	0	24.3	75
20/11/2022 02:30	0.1	252	5	1.8	0	24.2	76
20/11/2022 02:40	0	257	4	0.3	0	24.2	76
20/11/2022 02:50	0	258	2	0	0	24.2	77
20/11/2022 03:00	0	256	3	0.4	0	24.2	77
20/11/2022 03:10	0	258	1	0.1	0	24.1	77
20/11/2022 03:20	0	259	4	0.7	0	24	77
20/11/2022 03:30	0	261	3	0.5	0	24	78
20/11/2022 03:40	0	263	5	0.4	0	23.9	78
20/11/2022 03:50	0	267	3	0.1	0	24	78
20/11/2022 04:00	0.1	258	4	0.6	0	24	78
20/11/2022 04:10	0	272	2	0.4	0	23.9	78
20/11/2022 04:20	0	269	1	0.1	0	23.8	78
20/11/2022 04:30	0	286	1	0.4	0	23.8	78
20/11/2022 04:40	0	300	7	0.5	0	23.9	78
20/11/2022 04:50	0	11	0	0	0	23.9	77
20/11/2022 05:00	0	177	16	0.7	0	23.9	77
20/11/2022 05:10	0	147	3	0.6	0	23.9	78
20/11/2022 05:20	0.1	134	5	0.9	0	24	79
20/11/2022 05:30	0.1	123	4	0.4	0	23.8	80
20/11/2022 05:40	0.2	118	8	1.3	0	23.7	79
20/11/2022 05:50	0	80	3	0.4	0	23.8	80
20/11/2022 06:00	0.3	80	4	1.6	0	24.1	80
20/11/2022 06:10	0	72	2	0.6	0	24.2	80
20/11/2022 06:20	0	71	2	0.8	0	24.3	80
20/11/2022 06:30	0	62	4	0.9	0	24.4	80
20/11/2022 06:40	0	51	6	0.1	0	24.7	78
20/11/2022 06:50	0.1	62	3	2	0	24.7	78
20/11/2022 07:00	0.1	65	3	1.1	0	24.8	77
20/11/2022 07:10	0	53	3	0.4	0	25	77
20/11/2022 07:20	0	53	1	0.1	0	25.1	76
20/11/2022 07:30	0	43	4	0.5	0	25.2	76
20/11/2022 07:40	0	64	3	0.4	0	25.4	74
20/11/2022 07:50	0	58	4	0.2	0	25.6	72
20/11/2022 08:00	0	58	2	0.1	0	25.9	71
20/11/2022 08:10	0	80	3	0.2	0	26.4	69





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/11/2022 08:20	0	101	5	0.1	0	26.5	73
20/11/2022 08:30	0	79	1	0.1	0	26.3	74
20/11/2022 08:40	0	70	1	0.1	0	26	73
20/11/2022 08:50	0	70	1	0.1	0	25.9	74
20/11/2022 09:00	0	73	1	0	0	25.9	74
20/11/2022 09:10	0	75	2	0.1	0	26.2	72
20/11/2022 09:20	0	83	2	0.2	0	26.3	71
20/11/2022 09:30	0	105	2	0.1	0	26.8	70
20/11/2022 09:40	0	85	0	0.1	0	27.1	67
20/11/2022 09:50	0	91	1	0.1	0	28	59
20/11/2022 10:00	0	103	0	0	0	28	62
20/11/2022 10:10	0	105	2	0	0	27.7	65
20/11/2022 10:20	0	107	3	0	0	27.8	60
20/11/2022 10:30	0	119	6	0.1	0	28.4	51
20/11/2022 10:40	0	119	0	0.1	0	28.7	49
20/11/2022 10:50	0	108	0	0	0	29.4	41
20/11/2022 11:00	0	84	4	0.1	0	30	36
20/11/2022 11:10	0	84	1	0	0	30.2	35
20/11/2022 11:20	0	76	1	0	0	30.7	32
20/11/2022 11:30					0	30.6	29
20/11/2022 11:40	0	86	4	0.1	0	30.3	32
20/11/2022 11:50					0	30.1	36
20/11/2022 12:00	0	67	2	0	0	30.1	36
20/11/2022 12:10	0	69	2	0.6	0	29.6	36
20/11/2022 12:20	0.2	73	6	1.5	0	29.3	42
20/11/2022 12:30	0	78	1	0.5	0	29.3	42
20/11/2022 12:40	0	71	1	0.3	0	29.4	43
20/11/2022 12:50	0	65	2	0.8	0	29	43
20/11/2022 13:00	0	72	2	0.7	0	28.7	45
20/11/2022 13:10	0	74	0	0.2	0	28.6	48
20/11/2022 13:20					0	28.6	47
20/11/2022 13:30	0	74	2	0.3	0	28.4	46
20/11/2022 13:40	0	60	0	0.5	0	28.3	48
20/11/2022 13:50	0	65	0	0	0	28.7	46
20/11/2022 14:00	0	84	0	0	0	29	44
20/11/2022 14:10	0	64	0	0	0	29.6	41
20/11/2022 14:20	0	88	0	0	0	30.1	36
20/11/2022 14:30	0	83	0	0	0	30.1	37
20/11/2022 14:40	0	91	0	0	0	31	37
20/11/2022 14:50	0	95	0	0	0	31.1	36
20/11/2022 15:00					0	31.5	35
20/11/2022 15:10	0	68	1	0	0	31.4	36
20/11/2022 15:20	0	48	0	0	0	31.3	34
20/11/2022 15:30	0	57	4	0	0	31.9	28
20/11/2022 15:40	0	51	0	0	0	31.8	28
20/11/2022 15:50	0	58	2	0	0	31.9	27
20/11/2022 16:00	0	70	2	0.1	0	31.2	32
20/11/2022 16:10	0	76	3	0.1	0	30.6	35



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/11/2022 16:20	0	53	1	0	0	30.3	36
20/11/2022 16:30	0	46	2	0	0	30.1	37
20/11/2022 16:40	0	56	4	0	0	30.1	38
20/11/2022 16:50	0	50	3	0	0	29.9	38
20/11/2022 17:00	0	42	1	0	0	29.5	40
20/11/2022 17:10	0	48	2	0	0	29.1	41
20/11/2022 17:20	0	53	1	0	0	29	42
20/11/2022 17:30	0	51	1	0	0	29.1	42
20/11/2022 17:40	0	53	2	0	0	29.1	42
20/11/2022 17:50	0	50	0	0.2	0	29.1	41
20/11/2022 18:00	0	55	2	0	0	29.5	38
20/11/2022 18:10	0	54	0	0	0	30.2	35
20/11/2022 18:20	0	55	1	0.1	0	30.1	34
20/11/2022 18:30	0	60	1	0	0	30	34
20/11/2022 18:40	0	58	0	0	0	29.3	39
20/11/2022 18:50	0	52	2	0	0	28.5	43
20/11/2022 19:00	0	47	2	0	0	28.1	45
20/11/2022 19:10	0	45	2	0.1	0	28.2	44
20/11/2022 19:20	0	47	3	0	0	28.3	43
20/11/2022 19:30	0	49	1	0	0	28.3	43
20/11/2022 19:40	0	52	1	0	0	28.4	44
20/11/2022 19:50	0	51	1	0	0	28.3	46
20/11/2022 20:00	0	45	1	0	0	28.2	47
20/11/2022 20:10	0	59	1	0	0	28.1	49
20/11/2022 20:20	0	60	2	0	0	27.8	52
20/11/2022 20:30	0	59	2	0	0	27.6	54
20/11/2022 20:40	0	70	2	0	0	27.6	55
20/11/2022 20:50	0	65	2	0	0	27.6	55
20/11/2022 21:00	0	66	2	0	0	27.5	55
20/11/2022 21:10	0	65	1	0	0	27.4	56
20/11/2022 21:20	0	73	3	0	0	27.3	56
20/11/2022 21:30	0	72	1	0	0	27.7	54
20/11/2022 21:40	0	68	2	0	0	27.5	57
20/11/2022 21:50	0	77	2	0	0	27.4	57
20/11/2022 22:00	0	79	1	0	0	27.4	56
20/11/2022 22:10	0	70	0	0	0	27.5	55
20/11/2022 22:20	0	63	1	0	0	27.2	58
20/11/2022 22:30	0	75	2	0	0	27.1	60
20/11/2022 22:40	0	79	1	0	0	27.1	61
20/11/2022 22:50	0	75	2	0	0	27	62
20/11/2022 23:00	0	74	1	0	0	27	61
20/11/2022 23:10	0	70	2	0	0	26.9	61
20/11/2022 23:20	0	81	2	0	0	26.9	60
20/11/2022 23:30	0	97	7	0	0	26.9	57
20/11/2022 23:40	0	82	3	0	0	27	56
20/11/2022 23:50	0	119	3	0	0	27.3	52
21/11/2022 00:00	0	73	2	0	0	27.3	53
21/11/2022 00:10	0	58	4	0	0	27.2	51



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/11/2022 00:20	0	83	3	0	0	27.2	50
21/11/2022 00:30	0	71	2	0	0	27.3	50
21/11/2022 00:40	0	70	1	0	0	27.4	48
21/11/2022 00:50	0	51	1	0	0	27.4	48
21/11/2022 01:00	0	54	1	0	0	27.4	49
21/11/2022 01:10	0	60	2	0	0	27.4	48
21/11/2022 01:20	0	73	2	0	0	28	40
21/11/2022 01:30	0	91	2	0	0	28.3	40
21/11/2022 01:40	0	111	2	0	0	27.9	44
21/11/2022 01:50	0	106	3	0	0	27.8	48
21/11/2022 02:00	0	56	1	0	0	27.4	50
21/11/2022 02:10	0	120	2	0	0	27.7	45
21/11/2022 02:20	0	178	4	0	0	28.1	42
21/11/2022 02:30	0	125	1	0	0	28.3	36
21/11/2022 02:40	0	157	8	0	0	28.8	33
21/11/2022 02:50	0	244	5	0	0	27.4	52
21/11/2022 03:00	0	237	8	0	0	27.2	51
21/11/2022 03:10	0	190	3	0	0	27.6	46
21/11/2022 03:20	0	265	2	0.1	0	27.2	53
21/11/2022 03:30	0	273	3	0	0	26.8	59
21/11/2022 03:40	0	281	2	0	0	26.5	60
21/11/2022 03:50	0	286	2	0	0	26.2	67
21/11/2022 04:00	0	288	3	0	0	26.1	67
21/11/2022 04:10	0	234	0	0	0	26.1	67
21/11/2022 04:20	0	168	5	0	0	26.3	65
21/11/2022 04:30	0	206	1	0	0	26.7	57
21/11/2022 04:40	0	217	0	0	0	26.8	48
21/11/2022 04:50	0	192	3	0	0	27.4	42
21/11/2022 05:00	0	183	1	0	0	27.6	40
21/11/2022 05:10	0	156	4	0	0	27.8	38
21/11/2022 05:20	0	141	3	0	0	27.7	39
21/11/2022 05:30	0	73	8	0	0	27.4	40
21/11/2022 05:40	0	117	2	0	0	27.5	40
21/11/2022 05:50	0	118	2	0	0	27.5	41
21/11/2022 06:00	0	110	5	0	0	27.4	44
21/11/2022 06:10	0	117	3	0	0	27.2	44
21/11/2022 06:20	0	109	3	0	0	27.5	40
21/11/2022 06:30	0	60	2	0	0	27.2	45
21/11/2022 06:40	0	78	4	0	0	27.3	45
21/11/2022 06:50	0	80	3	0	0	27.2	47
21/11/2022 07:00	0	91	2	0	0	27.4	45
21/11/2022 07:10					0	27.8	43
21/11/2022 07:20					0	28.3	40
21/11/2022 07:30	0	71	0	0	0	28.6	37
21/11/2022 07:40	0	74	0	0	0	28.7	36
21/11/2022 07:50					0	28.8	35
21/11/2022 08:00	0	89	0	0.1	0	29.1	37
21/11/2022 08:10	0	95	1	0	0	29.4	39



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/11/2022 08:20					0	29.2	40
21/11/2022 08:30	0	94	0	0.1	0	29	43
21/11/2022 08:40	0	94	1	0	0	28.9	43
21/11/2022 08:50	0	112	0	0	0	28.9	44
21/11/2022 09:00	0	72	0	0	0	29.1	41
21/11/2022 09:10	0	81	1	0	0	29.2	38
21/11/2022 09:20					0	29.1	40
21/11/2022 09:30					0	29	41
21/11/2022 09:40	0	82	0	0	0	29.1	40
21/11/2022 09:50	0	79	0	0	0	29.2	40
21/11/2022 10:00	0	79	0	0	0	29.1	41
21/11/2022 10:10	0	73	0	0	0	29.3	39
21/11/2022 10:20	0	86	0	0	0	29.7	39
21/11/2022 10:30					0	29.6	40
21/11/2022 10:40	0	69	0	0	0	29.3	40
21/11/2022 10:50	0	66	0	0	0	29.4	40
21/11/2022 11:00					0	29.5	39
21/11/2022 11:10					0	29.4	39
21/11/2022 11:20					0	29.3	39
21/11/2022 11:30	0	77	0	0	0	29.4	40
21/11/2022 11:40	0	81	0	0	0	29.3	41
21/11/2022 11:50					0	29.1	43
21/11/2022 12:00	0	96	0	0	0	28.9	44
21/11/2022 12:10	0	81	0	0	0	29.3	43
21/11/2022 12:20	0	77	0	0	0	29.3	42
21/11/2022 12:30	0	63	0	0	0	29.3	40
21/11/2022 12:40					0	29.5	38
21/11/2022 12:50					0	30	36
21/11/2022 13:00					0	30.6	36
21/11/2022 13:10	0	93	0	0	0	30.8	37
21/11/2022 13:20					0	30.6	36
21/11/2022 13:30	0	74	2	0.3	0	30.8	33
21/11/2022 13:40	0	79	1	0.3	0	30.6	34
21/11/2022 13:50					0	30.3	38
21/11/2022 14:00					0	30	41
21/11/2022 14:10	0	75	0	0	0	30.2	44
21/11/2022 14:20	0	79	1	0	0	30.1	46
21/11/2022 14:30	0	83	2	0	0	30.1	45
21/11/2022 14:40	0	79	2	0	0	30.3	41
21/11/2022 14:50	0	84	1	0	0	30	41
21/11/2022 15:00	0	76	2	0	0	30.3	38
21/11/2022 15:10	0	81	3	0	0	30.4	39
21/11/2022 15:20	0	90	7	0	0	30.3	44
21/11/2022 15:30	0	110	2	0	0	30.3	46
21/11/2022 15:40	0	106	5	0	0	31	46
21/11/2022 15:50	0	90	6	0	0	31.3	45
21/11/2022 16:00	0	78	3	0	0	31.3	42
21/11/2022 16:10	0	89	2	0	0	32.1	41



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/11/2022 16:20	0	104	2	0	0	32.3	40
21/11/2022 16:30	0	104	3	0	0	32.3	37
21/11/2022 16:40	0	115	1	0	0	31.7	40
21/11/2022 16:50	0	104	3	0	0	31.6	40
21/11/2022 17:00	0	85	3	0	0	31.3	42
21/11/2022 17:10	0	56	2	0	0	30.4	48
21/11/2022 17:20	0	68	2	0	0	30.2	48
21/11/2022 17:30	0	61	2	0	0	29.1	54
21/11/2022 17:40	0	50	2	0	0	29	55
21/11/2022 17:50	0	50	1	0	0	28.8	53
21/11/2022 18:00	0	71	0	0	0	29.2	47
21/11/2022 18:10	0	63	0	0	0	29.1	49
21/11/2022 18:20	0	71	5	0.1	0	29.2	47
21/11/2022 18:30	0	84	3	0	0	29.2	49
21/11/2022 18:40	0	85	3	0	0	29	52
21/11/2022 18:50	0	76	2	0	0	28.9	54
21/11/2022 19:00	0	83	1	0	0	28.8	55
21/11/2022 19:10	0	80	2	0	0	28.8	56
21/11/2022 19:20	0	96	1	0	0	29	54
21/11/2022 19:30	0	104	2	0	0	29.3	50
21/11/2022 19:40	0	107	3	0	0	29	53
21/11/2022 19:50	0	97	1	0	0	28.7	54
21/11/2022 20:00	0	102	2	0	0	29.1	50
21/11/2022 20:10	0	78	4	0	0	29.2	49
21/11/2022 20:20	0	78	2	0	0	29	51
21/11/2022 20:30	0	83	2	0	0	28.9	52
21/11/2022 20:40	0	77	1	0	0	29.1	49
21/11/2022 20:50	0	77	3	0	0	29.7	44
21/11/2022 21:00	0	73	2	0	0	29.8	43
21/11/2022 21:10	0	71	0	0	0	29.7	45
21/11/2022 21:20	0	74	2	0	0	29.3	48
21/11/2022 21:30	0	68	1	0	0	29	50
21/11/2022 21:40	0	69	4	0	0	28.7	53
21/11/2022 21:50	0	77	0	0	0	28.4	55
21/11/2022 22:00	0	72	3	0	0	28.2	57
21/11/2022 22:10	0	66	2	0	0	28.2	57
21/11/2022 22:20	0	70	2	0	0	28.2	56
21/11/2022 22:30	0	74	2	0.1	0	28	57
21/11/2022 22:40	0	76	3	0.1	0	27.7	60
21/11/2022 22:50	0	78	1	0	0	27.5	61
21/11/2022 23:00	0	83	0	0.1	0	27.4	62
21/11/2022 23:10	0	72	3	0.4	0	27.3	60
21/11/2022 23:20	0	78	2	0.4	0	27.4	59
21/11/2022 23:30	0	77	1	0	0	27.2	65
21/11/2022 23:40	0	85	0	0.1	0	27	66
21/11/2022 23:50	0	82	0	0	0	27	66
22/11/2022 00:00	0	96	0	0.1	0	26.8	66
22/11/2022 00:10	0	89	1	0	0	26.7	64



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/11/2022 00:20					0	26.6	65
22/11/2022 00:30					0	26.5	65
22/11/2022 00:40					0	26.3	66
22/11/2022 00:50	0	79	0	0	0	26.3	66
22/11/2022 01:00	0	74	0	0	0	26.4	66
22/11/2022 01:10					0	26.3	66
22/11/2022 01:20					0	26.3	65
22/11/2022 01:30					0	26.3	64
22/11/2022 01:40					0	26.2	65
22/11/2022 01:50	0	88	0	0	0	26.3	63
22/11/2022 02:00	0	82	1	0	0	26.2	64
22/11/2022 02:10	0	69	0	0	0	26.2	63
22/11/2022 02:20	0	113	1	0	0	26.3	62
22/11/2022 02:30	0	95	0	0	0	26.3	61
22/11/2022 02:40					0	26.3	61
22/11/2022 02:50					0	26.1	62
22/11/2022 03:00					0	26	63
22/11/2022 03:10					0	25.9	62
22/11/2022 03:20	0	82	0	0	0	26	62
22/11/2022 03:30					0	25.9	63
22/11/2022 03:40					0	25.6	65
22/11/2022 03:50					0	25.5	65
22/11/2022 04:00	0	108	1	0	0	25.6	65
22/11/2022 04:10					0	25.4	65
22/11/2022 04:20	0	106	0	0	0	25.4	64
22/11/2022 04:30					0	25.2	67
22/11/2022 04:40	0	108	0	0	0	25	69
22/11/2022 04:50	0	112	2	0.1	0	25.1	67
22/11/2022 05:00	0	104	0	0	0	25.2	65
22/11/2022 05:10					0	25	65
22/11/2022 05:20					0	25	65
22/11/2022 05:30					0	24.9	65
22/11/2022 05:40	0	105	0	0	0	24.8	65
22/11/2022 05:50					0	24.9	65
22/11/2022 06:00					0	25	65
22/11/2022 06:10					0	24.9	64
22/11/2022 06:20	0	105	1	0	0	25	63
22/11/2022 06:30					0	25.2	64
22/11/2022 06:40					0	25.3	63
22/11/2022 06:50	0	109	1	0.1	0	25.3	62
22/11/2022 07:00	0	107	0	0	0	25.5	62
22/11/2022 07:10					0	25.8	61
22/11/2022 07:20	0	99	0	0	0	26.3	60
22/11/2022 07:30					0	26.9	60
22/11/2022 07:40	0	103	0	0	0	27.2	59
22/11/2022 07:50	0	95	0	0	0	27.6	58
22/11/2022 08:00					0	27.7	57
22/11/2022 08:10					0	27.9	57



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/11/2022 08:20	0	106	0	0	0	28.3	56
22/11/2022 08:30					0	28.7	53
22/11/2022 08:40	0	97	0	0	0	29	52
22/11/2022 08:50					0	29.4	49
22/11/2022 09:00	0	109	0	0.1	0	29.3	51
22/11/2022 09:10					0	29.9	49
22/11/2022 09:20	0	92	1	0	0	30	48
22/11/2022 09:30	0	99	1	0	0	30.2	48
22/11/2022 09:40	0	105	0	0	0	30.1	47
22/11/2022 09:50	0	86	3	0.3	0	29.9	47
22/11/2022 10:00	0	88	5	0.5	0	30.6	44
22/11/2022 10:10	0	87	1	0.1	0	30.8	41
22/11/2022 10:20	0	81	2	0	0	30.9	42
22/11/2022 10:30	0	85	2	0.2	0	31.2	41
22/11/2022 10:40	0	80	5	0.6	0	31.2	39
22/11/2022 10:50	0	72	6	0.8	0	31.4	39
22/11/2022 11:00	0.1	67	4	1.1	0	30.6	45
22/11/2022 11:10	0	53	4	0.4	0	30.2	48
22/11/2022 11:20	0.1	56	4	0.8	0	30.2	45
22/11/2022 11:30	0	70	4	0.2	0	31.6	39
22/11/2022 11:40	0	59	2	0.5	0	31.3	40
22/11/2022 11:50	0	58	5	0.7	0	30.9	40
22/11/2022 12:00	0.1	55	6	1.2	0	30.5	42
22/11/2022 12:10	0.1	57	7	0.9	0	30.6	41
22/11/2022 12:20	0.2	57	5	0.9	0	30.9	39
22/11/2022 12:30	0.2	56	6	1.1	0	30.9	38
22/11/2022 12:40	0.3	57	7	1.5	0	31	38
22/11/2022 12:50	0.2	57	7	0.9	0	31.2	38
22/11/2022 13:00	0.1	55	6	1	0	31.5	37
22/11/2022 13:10	0.2	57	6	1.6	0	31.8	36
22/11/2022 13:20	0	53	6	0.5	0	32	37
22/11/2022 13:30	0.1	52	4	0.8	0	32	37
22/11/2022 13:40	0.3	54	6	1.4	0	31.3	37
22/11/2022 13:50	0.1	49	4	0.8	0	31.5	35
22/11/2022 14:00	0.1	57	6	1.1	0	31.7	35
22/11/2022 14:10	0.1	55	6	0.8	0	31.7	35
22/11/2022 14:20	0.1	56	4	1.1	0	31.7	35
22/11/2022 14:30	0.1	55	5	0.9	0	31.7	35
22/11/2022 14:40	0.2	55	5	1.1	0	31.5	35
22/11/2022 14:50	0	58	3	0.7	0	31.8	34
22/11/2022 15:00	0	58	2	0.7	0	31.8	34
22/11/2022 15:10	0	58	3	0.5	0	31.9	34
22/11/2022 15:20	0	55	2	0.5	0	32.4	35
22/11/2022 15:30	0	61	3	0.5	0	32.2	37
22/11/2022 15:40	0	61	2	0.3	0	31.9	38
22/11/2022 15:50	0	61	1	0	0	31.8	38
22/11/2022 16:00	0	34	2	0.1	0	32.1	35
22/11/2022 16:10	0	28	2	0	0	31.9	35



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/11/2022 16:20	0	40	1	0	0	32	34
22/11/2022 16:30	0	20	3	0	0	31.4	41
22/11/2022 16:40	0	17	2	0	0	30.9	42
22/11/2022 16:50	0	9	1	0	0	31	41
22/11/2022 17:00	0	10	1	0	0	30.9	39
22/11/2022 17:10	0	8	0	0	0	30.7	40
22/11/2022 17:20	0	182	2	0	0	30.6	39
22/11/2022 17:30	0	181	2	0	0	30.5	39
22/11/2022 17:40	0	6	0	0	0	30	39
22/11/2022 17:50	0	7	1	0	0	29.7	40
22/11/2022 18:00	0	6	1	0	0	29.5	42
22/11/2022 18:10	0	8	1	0	0	29.2	42
22/11/2022 18:20	0	9	4	0	0	28.9	42
22/11/2022 18:30	0	15	1	0	0	28.7	41
22/11/2022 18:40	0	6	1	0	0	28.4	43
22/11/2022 18:50	0	11	1	0	0	28	46
22/11/2022 19:00	0	10	1	0	0	27.9	47
22/11/2022 19:10	0	8	2	0	0	27.6	48
22/11/2022 19:20	0	12	1	0	0	27.4	51
22/11/2022 19:30	0	1	3	0	0	27.2	55
22/11/2022 19:40	0	3	1	0	0	27	58
22/11/2022 19:50	0	178	2	0.1	0	26.8	60
22/11/2022 20:00	0	307	2	0	0	26.6	61
22/11/2022 20:10	0	326	2	0	0	26.3	66
22/11/2022 20:20	0	337	3	0	0	26.1	66
22/11/2022 20:30	0	347	2	0.1	0	26	66
22/11/2022 20:40	0	345	2	0	0	25.9	67
22/11/2022 20:50	0	344	2	0.1	0	25.8	68
22/11/2022 21:00	0	334	0	0	0	25.8	68
22/11/2022 21:10	0	330	2	0.1	0	25.8	69
22/11/2022 21:20	0	329	1	0.1	0	25.7	69
22/11/2022 21:30	0	323	0	0	0	25.6	69
22/11/2022 21:40	0	268	0	0	0	25.6	69
22/11/2022 21:50	0	266	0	0	0	25.4	69
22/11/2022 22:00	0	268	0	0	0	25.5	68
22/11/2022 22:10	0	270	0	0	0	25.5	68
22/11/2022 22:20	0	270	0	0	0	25.3	68
22/11/2022 22:30	0	271	0	0	0	25.5	67
22/11/2022 22:40	0	271	0	0	0	25.6	66
22/11/2022 22:50	0	271	0	0	0	25.7	65
22/11/2022 23:00	0	271	0	0	0	25.5	66
22/11/2022 23:10	0	259	4	0	0	25.5	66
22/11/2022 23:20	0	188	1	0	0	25.5	67
22/11/2022 23:30	0	187	0	0	0	25.5	67
22/11/2022 23:40	0	183	1	0	0	25.5	66
22/11/2022 23:50	0	187	2	0	0	25.4	65
23/11/2022 00:00	0	186	1	0	0	25.6	65
23/11/2022 00:10	0	193	0	0	0	25.5	65





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/11/2022 00:20	0	199	3	0	0	25.7	63
23/11/2022 00:30	0	202	3	0	0	26	62
23/11/2022 00:40	0	195	3	0	0	26.1	61
23/11/2022 00:50	0	203	1	0.1	0	26.3	60
23/11/2022 01:00	0	204	2	0	0	26.5	59
23/11/2022 01:10	0	197	0	0	0	26.6	59
23/11/2022 01:20	0	189	1	0	0	26.6	58
23/11/2022 01:30	0	76	0	0	0	26.6	59
23/11/2022 01:40	0	112	0	0	0	26.7	58
23/11/2022 01:50	0	117	0	0	0	26.7	57
23/11/2022 02:00	0	157	1	0	0	26.9	56
23/11/2022 02:10	0	151	1	0	0	27	56
23/11/2022 02:20	0	100	2	0	0	26.9	58
23/11/2022 02:30	0	120	1	0	0	27	58
23/11/2022 02:40	0	123	2	0	0	26.7	59
23/11/2022 02:50	0	100	0	0	0	26.5	63
23/11/2022 03:00	0	129	0	0.1	0	26.3	64
23/11/2022 03:10	0	120	2	0.1	0	26.3	67
23/11/2022 03:20	0	83	1	0	0	26.3	67
23/11/2022 03:30	0	81	0	0	0	26.4	65
23/11/2022 03:40	0	105	2	0	0	26.3	67
23/11/2022 03:50	0	84	1	0	0	26.2	69
23/11/2022 04:00	0	73	0	0	0	26.1	68
23/11/2022 04:10	0	70	0	0	0	26.1	68
23/11/2022 04:20	0	63	1	0	0	26.1	67
23/11/2022 04:30	0	70	2	0	0	26	69
23/11/2022 04:40	0	72	1	0	0	25.9	70
23/11/2022 04:50	0	65	1	0	0	25.7	70
23/11/2022 05:00	0	67	1	0	0	25.7	70
23/11/2022 05:10	0	67	0	0	0	25.6	71
23/11/2022 05:20	0	66	2	0	0	25.5	72
23/11/2022 05:30	0	66	1	0	0	25.4	72
23/11/2022 05:40	0	61	0	0	0	25.4	73
23/11/2022 05:50	0	64	0	0	0	25.5	74
23/11/2022 06:00	0	61	2	0	0	25.6	74
23/11/2022 06:10	0	71	0	0	0	25.8	74
23/11/2022 06:20	0	66	0	0	0	26	73
23/11/2022 06:30	0	62	0	0	0	26.1	72
23/11/2022 06:40	0	75	1	0	0	26.3	73
23/11/2022 06:50	0	83	0	0	0	26.4	74
23/11/2022 07:00	0	74	2	0	0	26.7	73
23/11/2022 07:10	0	80	3	0	0.1	26.6	72
23/11/2022 07:20	0	88	1	0	0	26.7	72
23/11/2022 07:30	0	76	1	0	0	26.9	70
23/11/2022 07:40	0	81	2	0.1	0	26.7	71
23/11/2022 07:50	0	81	0	0	0	26.8	71
23/11/2022 08:00	0	85	2	0	0	27	70
23/11/2022 08:10	0	90	3	0	0	26.8	71



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/11/2022 08:20	0	74	5	0	0	27	69
23/11/2022 08:30	0	79	2	0	0	27.2	66
23/11/2022 08:40	0	67	1	0	0	27.1	66
23/11/2022 08:50	0	68	4	0	0	27.5	64
23/11/2022 09:00	0	74	0	0	0	27.7	64
23/11/2022 09:10	0	72	2	0	0	27.5	64
23/11/2022 09:20	0	64	2	0	0	27.7	64
23/11/2022 09:30	0	73	1	0	0	27.9	63
23/11/2022 09:40	0	77	0	0	0	27.8	63
23/11/2022 09:50	0	82	0	0	0	27.7	63
23/11/2022 10:00	0	85	0	0	0	28.4	61
23/11/2022 10:10	0	45	2	0	0	28.6	59
23/11/2022 10:20	0	44	2	0	0	28.6	59
23/11/2022 10:30	0	55	4	0.1	0	28.4	60
23/11/2022 10:40	0	41	3	0	0	28.5	61
23/11/2022 10:50	0	41	4	0	0	29	58
23/11/2022 11:00	0	55	2	0	0	29.8	55
23/11/2022 11:10	0	56	3	0	0	29.6	56
23/11/2022 11:20	0	58	3	0.1	0	29.6	55
23/11/2022 11:30	0	50	2	0.2	0	29.4	56
23/11/2022 11:40	0	50	2	0.2	0	29.4	54
23/11/2022 11:50	0	53	3	1.4	0	29.7	51
23/11/2022 12:00	0	55	2	0.5	0	29.6	51
23/11/2022 12:10	0.1	54	5	1.2	0	29.9	49
23/11/2022 12:20	0.1	44	4	0.9	0	29.8	50
23/11/2022 12:30	0	50	3	0.1	0	30.3	48
23/11/2022 12:40	0	47	4	0.1	0	30.5	47
23/11/2022 12:50	0	55	2	0.1	0	30.5	46
23/11/2022 13:00	0	55	4	0	0	30.9	45
23/11/2022 13:10	0	62	2	0	0	31.1	45
23/11/2022 13:20	0.1	67	7	1.1	0	31.2	46
23/11/2022 13:30	0	78	6	0.1	0	31.4	47
23/11/2022 13:40	0	85	4	0.1	0	31.8	47
23/11/2022 13:50	0	84	2	0	0	31.7	48
23/11/2022 14:00					0	31.7	46
23/11/2022 14:10					0	31.8	49
23/11/2022 14:20					0	31.9	49
23/11/2022 14:30							
23/11/2022 14:40							
23/11/2022 14:50							
23/11/2022 15:00							
23/11/2022 15:10							
23/11/2022 15:20							
23/11/2022 15:30							
23/11/2022 15:40							
23/11/2022 15:50							
23/11/2022 16:00							
23/11/2022 16:10					0	27.5	69



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/11/2022 16:20	6.7	318	14	9.3	0	27.4	69
23/11/2022 16:30	6.2	322	14	9.3	0	27.8	68
23/11/2022 16:40	6.5	322	13	9	0	27.2	71
23/11/2022 16:50	6.3	315	10	8.5	0	27.2	70
23/11/2022 17:00	6.2	327	10	8.5	0	27.3	70
23/11/2022 17:10	5.4	325	11	8.6	0	27.3	70
23/11/2022 17:20	5.7	315	11	8.4	0	27.1	72
23/11/2022 17:30	5.5	315	12	7.7	0	26.8	73
23/11/2022 17:40	5.6	313	8	7.3	0	26.7	73
23/11/2022 17:50	4.8	315	10	7.4	0	26.7	74
23/11/2022 18:00	5.3	325	10	7.5	0	26.6	74
23/11/2022 18:10	5.6	327	11	7.9	0	26.3	75
23/11/2022 18:20	6.1	332	8	8.2	0	26	76
23/11/2022 18:30	5.5	325	10	7.8	0	25.9	77
23/11/2022 18:40	4.8	323	11	7.3	0	25.7	78
23/11/2022 18:50	4.5	318	10	6.3	0	25.7	78
23/11/2022 19:00	4.1	320	11	6.6	0	25.7	78
23/11/2022 19:10	4.3	316	12	6.2	0	25.6	79
23/11/2022 19:20	5.1	307	8	6.8	0	25.5	79
23/11/2022 19:30	4.5	314	11	6.4	0	25.5	78
23/11/2022 19:40	4.3	322	10	6.5	0	25.5	78
23/11/2022 19:50	5.1	324	7	6.7	0	25.4	79
23/11/2022 20:00	3.7	306	11	5.6	0	25.4	79
23/11/2022 20:10	3.9	309	10	5.2	0	25.4	79
23/11/2022 20:20	3.8	314	13	5.6	0	25.4	80
23/11/2022 20:30	4.1	317	9	6	0	25.4	80
23/11/2022 20:40	3.4	291	12	4.8	0	25.3	80
23/11/2022 20:50	3.5	283	10	4.8	0	25.2	80
23/11/2022 21:00	3.4	282	7	4.3	0	25.3	81
23/11/2022 21:10	4.2	280	6	5.5	0	25.2	81
23/11/2022 21:20	3.6	283	8	5.2	0	25.1	81
23/11/2022 21:30	3.8	273	7	5.3	0	25.1	82
23/11/2022 21:40	4.5	265	5	5.9	0	25.1	82
23/11/2022 21:50	4.4	270	6	5.7	0	25	81
23/11/2022 22:00	4.1	269	6	5.9	0	25.1	81
23/11/2022 22:10	4.7	267	6	5.9	0	25.1	82
23/11/2022 22:20	4.3	262	6	5.6	0	25.1	82
23/11/2022 22:30	4.5	266	7	6	0	25	83
23/11/2022 22:40	4.9	264	6	6.6	0	25	83
23/11/2022 22:50	4.5	267	6	6.1	0	25	83
23/11/2022 23:00	4.9	263	6	6.2	0	25	83
23/11/2022 23:10	4.8	261	6	6.1	0	25	83
23/11/2022 23:20	4.7	261	7	6.1	0	25	84
23/11/2022 23:30	4.8	265	5	6.4	0	25	84
23/11/2022 23:40	4.3	266	5	5.8	0	25	85
23/11/2022 23:50	3.8	265	7	5.4	0	24.9	84
24/11/2022 00:00	4.5	263	6	5.6	0	24.9	84
24/11/2022 00:10	4.7	260	5	6.1	0	24.9	83



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/11/2022 00:20	4.5	261	5	5.7	0	24.9	83
24/11/2022 00:30	4.4	263	5	6.2	0	24.9	82
24/11/2022 00:40	3.6	266	7	4.9	0	24.9	81
24/11/2022 00:50	4.1	264	5	5.3	0	24.9	82
24/11/2022 01:00	4	263	5	4.8	0	24.8	83
24/11/2022 01:10	4	263	6	5.3	0	24.8	83
24/11/2022 01:20	3.7	265	6	4.9	0	24.8	83
24/11/2022 01:30	3.7	265	6	4.5	0	24.9	83
24/11/2022 01:40	3.4	270	6	4.5	0	24.9	83
24/11/2022 01:50	2.8	277	6	3.7	0	24.8	83
24/11/2022 02:00	3	274	5	3.7	0	24.8	83
24/11/2022 02:10	3	272	4	3.8	0	24.7	84
24/11/2022 02:20	2.5	273	6	3.2	0	24.7	84
24/11/2022 02:30	2.2	281	3	2.6	0	24.6	84
24/11/2022 02:40	2.2	278	5	3.1	0	24.5	85
24/11/2022 02:50	1.9	278	5	2.8	0	24.5	85
24/11/2022 03:00	2.4	287	7	3.1	0	24.6	85
24/11/2022 03:10	2.4	283	7	3.5	0	24.6	84
24/11/2022 03:20	2.7	277	5	3.8	0	24.6	84
24/11/2022 03:30	3	275	6	3.8	0	24.6	85
24/11/2022 03:40	2.8	275	6	4	0	24.5	85
24/11/2022 03:50	3.3	273	6	4.2	0	24.5	85
24/11/2022 04:00	2.8	278	7	3.7	0	24.5	85
24/11/2022 04:10	2.4	273	5	3.1	0	24.4	85
24/11/2022 04:20	2.1	283	5	2.7	0	24.4	85
24/11/2022 04:30	2.7	277	4	3.3	0	24.3	86
24/11/2022 04:40	2.3	269	4	2.7	0	24.2	86
24/11/2022 04:50	2.4	271	4	2.9	0	24.1	86
24/11/2022 05:00	2.6	274	3	3.3	0	24.1	85
24/11/2022 05:10	2.3	270	4	3	0	24	85
24/11/2022 05:20	2.2	273	3	2.5	0	24	85
24/11/2022 05:30	2.3	263	4	2.8	0	24	85
24/11/2022 05:40	2	262	8	2.7	0	24	85
24/11/2022 05:50	1.9	273	4	2.3	0	23.9	85
24/11/2022 06:00	1.5	262	8	1.9	0	24.2	84
24/11/2022 06:10	1.8	274	8	2.4	0	24.5	84
24/11/2022 06:20	1.9	282	7	2.4	0	24.9	84
24/11/2022 06:30	2.1	278	11	2.8	0	25.3	84
24/11/2022 06:40	1.9	265	20	2.7	0	25.8	82
24/11/2022 06:50	1.2	274	31	2.3	0	26.5	80
24/11/2022 07:00	1.7	315	16	2.4	0	27	77
24/11/2022 07:10	1.5	309	15	2.5	0	27.2	73
24/11/2022 07:20	1.1	315	48	1.9	0	28.1	71
24/11/2022 07:30	1.5	248	31	2.8	0	28.2	69
24/11/2022 07:40	1.7	271	31	2.9	0	28.2	70
24/11/2022 07:50	1.3	300	42	2.6	0	28.5	67
24/11/2022 08:00	1.3	200	21	2.1	0	28.7	66
24/11/2022 08:10	1.8	110	30	3.2	0	29.4	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/11/2022 08:20	2.5	128	14	3.7	0	29.5	66
24/11/2022 08:30	3	124	14	4.6	0	29.3	66
24/11/2022 08:40	2.9	101	15	4.3	0	29.4	64
24/11/2022 08:50	2.9	63	17	4.7	0	29.3	63
24/11/2022 09:00	3	74	11	4.5	0	29.4	61
24/11/2022 09:10	3	51	16	4.3	0	29.8	58
24/11/2022 09:20	3	50	20	4.6	0	30	57
24/11/2022 09:30	3	66	18	4.7	0	29.9	56
24/11/2022 09:40	2.8	55	11	5	0	29.9	56
24/11/2022 09:50	2.6	61	15	4.1	0	30.3	54
24/11/2022 10:00	2.3	51	21	3.5	0	30.7	53
24/11/2022 10:10	2.1	56	26	4	0	31.4	50
24/11/2022 10:20	2.2	41	24	3.4	0	31.6	48
24/11/2022 10:30	2.8	39	31	4.6	0	31.5	49
24/11/2022 10:40	3.5	181	19	5.3	0	31	59
24/11/2022 10:50	3.1	9	17	4.4	0	30.7	59
24/11/2022 11:00	2.6	194	23	4.8	0	30.8	58
24/11/2022 11:10	3.1	10	22	4.8	0	31.2	58
24/11/2022 11:20	3.2	188	23	5.1	0	31.4	58
24/11/2022 11:30	3.8	350	18	5.3	0	31.3	60
24/11/2022 11:40	4.1	351	16	5.9	0	30.8	61
24/11/2022 11:50	4.6	345	14	6.6	0	30.6	63
24/11/2022 12:00	5.3	347	13	7.8	0	30.2	65
24/11/2022 12:10	5.1	331	17	7.3	0	29.9	66
24/11/2022 12:20	4.2	9	17	5.9	0	31	61
24/11/2022 12:30	4.6	13	13	6.7	0	30.8	62
24/11/2022 12:40	4.4	185	17	6.4	0	30.5	63
24/11/2022 12:50	4.7	184	21	6.5	0	30.5	63
24/11/2022 13:00	4.6	346	14	6.4	0	30.8	62
24/11/2022 13:10	4.6	343	17	6.6	0	30.4	64
24/11/2022 13:20	4.6	343	14	6.4	0	30	65
24/11/2022 13:30	4.1	354	18	6.2	0	30.3	64
24/11/2022 13:40	4.2	354	15	6.4	0	30.4	63
24/11/2022 13:50	3.9	353	14	6.1	0	30.6	62
24/11/2022 14:00	3.6	4	14	5.5	0	31.2	60
24/11/2022 14:10	3.8	357	17	5.7	0	31	60
24/11/2022 14:20	4.5	1	11	6.2	0	30.9	60
24/11/2022 14:30	4	337	13	6.3	0	30.4	61
24/11/2022 14:40	3.9	346	13	6	0	30.6	61
24/11/2022 14:50	3.9	333	11	5.5	0	31.4	57
24/11/2022 15:00	4.6	333	12	6.6	0	30.8	59
24/11/2022 15:10	4.9	341	10	6.9	0	30.2	60
24/11/2022 15:20	4.9	342	10	6.7	0	30.4	59
24/11/2022 15:30	5	341	12	7.1	0	30.5	60
24/11/2022 15:40	4.9	353	9	6.8	0	30.3	60
24/11/2022 15:50	5.1	343	10	7.1	0	30.6	58
24/11/2022 16:00	6.2	340	9	8	0	29.9	61
24/11/2022 16:10	6.2	346	8	7.9	0	29.8	61



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/11/2022 16:20	6.5	342	8	8.5	0	29.3	63
24/11/2022 16:30	6.3	343	11	8.4	0	29.2	63
24/11/2022 16:40	5.7	338	10	8.3	0	29.3	63
24/11/2022 16:50	6.9	329	9	9.1	0	28.9	63
24/11/2022 17:00	6.4	331	11	8.9	0	28.7	63
24/11/2022 17:10	7.4	326	6	9.4	0	28.3	64
24/11/2022 17:20	6.6	327	9	8.8	0	28.5	64
24/11/2022 17:30	6.9	324	8	9.6	0	28.5	62
24/11/2022 17:40	6.9	323	9	9.5	0	28.5	61
24/11/2022 17:50	6.3	321	9	9	0	28.5	63
24/11/2022 18:00	6.4	321	9	8.6	0	28.4	64
24/11/2022 18:10	6.2	320	8	8.6	0	28.1	66
24/11/2022 18:20	6.2	312	7	8.5	0	27.9	67
24/11/2022 18:30	6.4	311	7	8.3	0	27.7	66
24/11/2022 18:40	6.7	311	7	8.8	0	27.5	68
24/11/2022 18:50	6.3	311	7	8.4	0	27.5	68
24/11/2022 19:00	5.5	310	9	7.4	0	27.5	67
24/11/2022 19:10	5.6	308	8	7.6	0	27.4	69
24/11/2022 19:20	5.7	307	8	8	0	27.2	71
24/11/2022 19:30	5.2	304	9	7.9	0	27.2	71
24/11/2022 19:40	4.9	302	9	6.4	0	27.2	72
24/11/2022 19:50	4.6	304	10	7	0	27.1	73
24/11/2022 20:00	4.4	300	10	6.3	0	26.9	74
24/11/2022 20:10	4.8	299	8	6.5	0	26.9	73
24/11/2022 20:20	4.4	298	11	6.5	0	27	72
24/11/2022 20:30	4.7	282	7	5.9	0	27.1	74
24/11/2022 20:40	5.3	282	7	6.9	0	26.7	76
24/11/2022 20:50	4.9	282	8	6.2	0	26.6	76
24/11/2022 21:00	4.7	281	8	6.3	0	26.6	76
24/11/2022 21:10	4.4	280	8	6.3	0	26.6	77
24/11/2022 21:20	5.3	270	7	6.8	0	26.5	78
24/11/2022 21:30	4.6	273	6	6.6	0	26.5	79
24/11/2022 21:40	5.4	268	6	7.2	0	26.4	81
24/11/2022 21:50	4.9	271	8	6.7	0	26.3	82
24/11/2022 22:00	4.9	266	6	7.2	0	26.2	82
24/11/2022 22:10	5	263	8	6.4	0	26.1	82
24/11/2022 22:20	4.4	266	7	5.9	0	26.1	82
24/11/2022 22:30	4.5	264	6	6.5	0	26.2	81
24/11/2022 22:40	4	266	8	5.8	0	26.1	81
24/11/2022 22:50	4.7	269	6	6.2	0	26.2	79
24/11/2022 23:00	4	266	5	5.6	0	26.2	79
24/11/2022 23:10	4	266	5	5.3	0	26.2	79
24/11/2022 23:20	3.9	266	4	5.1	0	26.2	80
24/11/2022 23:30	4.1	264	7	5.5	0	26.1	81
24/11/2022 23:40	4	265	6	5.6	0	26.1	81
24/11/2022 23:50	4.4	265	5	5.4	0	26	82
25/11/2022 00:00	3.5	268	6	4.7	0	26	81
25/11/2022 00:10	3.7	267	5	4.8	0	25.9	82



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/11/2022 00:20	3.7	268	5	4.8	0	25.9	82
25/11/2022 00:30	3.7	265	5	4.9	0	25.9	83
25/11/2022 00:40	3.2	270	5	4.2	0	25.8	83
25/11/2022 00:50	3.3	270	4	4.1	0	25.7	83
25/11/2022 01:00	3.1	269	4	3.8	0	25.7	84
25/11/2022 01:10	3.4	270	3	4	0	25.7	84
25/11/2022 01:20	2.9	271	4	3.5	0	25.6	84
25/11/2022 01:30	2.7	273	3	3.2	0	25.5	84
25/11/2022 01:40	2.7	278	3	3	0	25.5	84
25/11/2022 01:50	2.4	280	4	2.9	0	25.4	84
25/11/2022 02:00	2.8	281	3	3.2	0	25.4	84
25/11/2022 02:10	2.3	284	4	2.9	0	25.4	84
25/11/2022 02:20	2.7	289	6	3.3	0	25.3	84
25/11/2022 02:30	2.9	274	5	3.6	0	25.2	84
25/11/2022 02:40	2.6	282	6	3.4	0	25.1	83
25/11/2022 02:50	2.3	290	7	3.1	0	25.1	83
25/11/2022 03:00	2.8	288	7	3.7	0	25	83
25/11/2022 03:10	2.7	297	7	3.7	0	25.1	83
25/11/2022 03:20	2.4	290	8	3	0	25	82
25/11/2022 03:30	2.5	279	4	3.2	0	24.8	82
25/11/2022 03:40	1.9	293	8	2.7	0	24.8	82
25/11/2022 03:50	1.7	290	6	2	0	24.8	82
25/11/2022 04:00	2.1	287	5	2.7	0	24.7	82
25/11/2022 04:10	1.8	305	5	2.2	0	24.8	82
25/11/2022 04:20	1.5	300	8	1.9	0	24.8	82
25/11/2022 04:30	2.3	292	5	2.9	0	24.8	82
25/11/2022 04:40	1.8	289	11	2.5	0	24.8	82
25/11/2022 04:50	2.8	272	4	3.4	0	24.7	82
25/11/2022 05:00	2.3	287	6	3	0	24.6	82
25/11/2022 05:10	1.8	299	9	2.5	0	24.7	82
25/11/2022 05:20	2	275	5	2.4	0	24.6	82
25/11/2022 05:30	2.1	286	5	2.4	0	24.6	82
25/11/2022 05:40	1.8	283	6	2.3	0	24.7	82
25/11/2022 05:50	2.1	270	5	2.6	0	24.6	81
25/11/2022 06:00	1.8	274	7	2.4	0	24.8	81
25/11/2022 06:10	1.3	315	13	2.1	0	25.1	81
25/11/2022 06:20	1.3	319	12	1.9	0	25.3	81
25/11/2022 06:30	1.3	345	20	2	0	25.6	81
25/11/2022 06:40	1.5	321	18	2.5	0	25.9	81
25/11/2022 06:50	1.6	299	22	2.5	0	26	81
25/11/2022 07:00	1.4	337	17	2.3	0	26	81
25/11/2022 07:10	2.3	6	11	2.9	0	26	81
25/11/2022 07:20	2.2	184	15	3.1	0	26.1	80
25/11/2022 07:30	2.1	183	17	3.1	0	26.4	80
25/11/2022 07:40	2.3	17	12	3.5	0	26.9	79
25/11/2022 07:50	2.8	19	10	3.8	0	27	78
25/11/2022 08:00	2.6	197	17	3.8	0	27.2	77
25/11/2022 08:10	2.6	22	15	3.9	0	27.3	77



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/11/2022 08:20	2.8	12	12	4.1	0	27.1	77
25/11/2022 08:30	2.9	170	13	4.3	0	27.3	77
25/11/2022 08:40	3	24	11	4.4	0	27.6	76
25/11/2022 08:50	3.1	14	13	4.5	0	28	74
25/11/2022 09:00	3	343	13	4.2	0	27.8	74
25/11/2022 09:10	2.8	334	23	4.6	0	28	73
25/11/2022 09:20	2.8	325	21	4.4	0	28.1	73
25/11/2022 09:30	2.8	315	13	4.1	0	27.8	74
25/11/2022 09:40	2.9	330	12	4.3	0	27.7	74
25/11/2022 09:50	2.7	329	21	4.6	0	28.5	71
25/11/2022 10:00	2.9	299	17	4.3	0	28.6	70
25/11/2022 10:10	2.8	335	24	4.3	0	29	67
25/11/2022 10:20	3.1	313	17	4.7	0	29	68
25/11/2022 10:30	3.1	320	16	4.6	0	29.1	68
25/11/2022 10:40	3.1	338	14	4.6	0	28.9	68
25/11/2022 10:50	3.5	321	14	5.3	0	29.3	67
25/11/2022 11:00	4	329	15	5.8	0	29.2	67
25/11/2022 11:10	3.7	340	17	5.5	0	29.5	65
25/11/2022 11:20	4	335	14	5.7	0	29.1	66
25/11/2022 11:30	3.6	327	14	5.8	0	29.4	63
25/11/2022 11:40	3.9	331	16	5.8	0	29.4	61
25/11/2022 11:50	4	328	16	5.5	0	30	58
25/11/2022 12:00	3.8	329	14	5.8	0	30.1	58
25/11/2022 12:10	4.3	330	10	6.1	0	30.4	55
25/11/2022 12:20	3.8	336	13	5.7	0	30.3	54
25/11/2022 12:30	3.8	326	12	5.5	0	30.4	54
25/11/2022 12:40	3.8	329	13	5.2	0	30.2	53
25/11/2022 12:50	3.9	337	13	5.6	0	30.8	52
25/11/2022 13:00	4	341	11	6.4	0	30.6	53
25/11/2022 13:10	4.3	333	12	6.5	0	30.9	52
25/11/2022 13:20	4.4	326	14	6	0	31	54
25/11/2022 13:30	4.1	323	16	6.1	0	31.4	53
25/11/2022 13:40	4.7	343	12	6.3	0	31.3	50
25/11/2022 13:50	4.4	341	14	6.2	0	31.1	52
25/11/2022 14:00	5.2	338	11	6.9	0	30.7	55
25/11/2022 14:10	5	347	15	7.1	0	30.9	53
25/11/2022 14:20	4.5	343	12	6.6	0	31.2	52
25/11/2022 14:30	4.8	345	13	7.2	0	30.6	54
25/11/2022 14:40	5.6	348	14	7.9	0	30.3	56
25/11/2022 14:50	5.4	352	13	7.2	0	30.3	56
25/11/2022 15:00	5	180	13	7.2	0	30.8	53
25/11/2022 15:10	5.3	339	14	7.5	0	30.9	52
25/11/2022 15:20	5.2	339	13	7.6	0	30.4	53
25/11/2022 15:30	5.2	327	10	7.1	0	30.7	54
25/11/2022 15:40	5.3	326	12	7.7	0	30.3	57
25/11/2022 15:50	5.9	326	10	8.3	0	29.8	59
25/11/2022 16:00	5.8	324	10	8	0	29.6	60
25/11/2022 16:10	6.5	317	9	8.7	0	29.2	61





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/11/2022 16:20	6.7	321	6	9	0	28.9	62
25/11/2022 16:30	7.1	318	5	9.1	0	28.4	65
25/11/2022 16:40	6.2	314	9	8.4	0	28.6	65
25/11/2022 16:50	6.4	318	11	8	0	28.4	68
25/11/2022 17:00	5.7	326	9	8	0	28.3	70
25/11/2022 17:10	5.1	315	13	8.1	0	28.6	68
25/11/2022 17:20	5.3	319	11	7.4	0	28.7	67
25/11/2022 17:30	5.5	318	9	7.3	0	28.3	69
25/11/2022 17:40	5.3	319	10	7.6	0	28.1	70
25/11/2022 17:50	5.6	323	9	7.9	0	28	70
25/11/2022 18:00	5.3	323	8	7.3	0	27.8	71
25/11/2022 18:10	5.2	322	9	7	0	27.7	69
25/11/2022 18:20	4.1	319	11	6.2	0	27.9	66
25/11/2022 18:30	3.4	309	11	5.4	0	28	64
25/11/2022 18:40	3.8	291	10	5.4	0	27.8	64
25/11/2022 18:50	4.3	287	8	5.7	0	27.6	68
25/11/2022 19:00	3.8	291	8	5.3	0	27.5	69
25/11/2022 19:10	3.9	288	7	5.1	0	27.3	67
25/11/2022 19:20	3.8	297	9	5.4	0	27.3	69
25/11/2022 19:30	3.9	294	10	5.1	0	27.2	72
25/11/2022 19:40	4.8	293	7	6.6	0	27	73
25/11/2022 19:50	4.9	293	8	6.6	0	26.8	75
25/11/2022 20:00	4.5	287	8	6.6	0	26.7	77
25/11/2022 20:10	4.7	281	7	6.4	0	26.6	77
25/11/2022 20:20	4.3	290	9	6	0	26.6	77
25/11/2022 20:30	4	284	10	5.7	0	26.6	77
25/11/2022 20:40	4.2	283	8	5.8	0	26.6	76
25/11/2022 20:50	4.8	274	6	6.7	0	26.6	75
25/11/2022 21:00	4.4	275	8	6.5	0	26.6	73
25/11/2022 21:10	5.6	270	6	7.5	0	26.7	71
25/11/2022 21:20	5.8	270	4	7.2	0	26.7	71
25/11/2022 21:30	4.6	271	8	6.8	0	26.6	72
25/11/2022 21:40	5.2	271	5	6.5	0	26.5	73
25/11/2022 21:50	4.5	273	7	6.4	0	26.4	74
25/11/2022 22:00	4.4	273	7	6.4	0	26.3	75
25/11/2022 22:10	4.6	275	7	6.2	0	26.3	77
25/11/2022 22:20	4.1	270	7	6.2	0	26.2	77
25/11/2022 22:30	4.2	275	6	5.9	0	26.2	77
25/11/2022 22:40	5.1	271	5	6.7	0	26.3	76
25/11/2022 22:50	4.6	269	7	6	0	26.4	75
25/11/2022 23:00	4.9	271	5	6.4	0	26.3	76
25/11/2022 23:10	4.9	272	5	6.7	0	26.2	77
25/11/2022 23:20	4.7	267	6	6.9	0	26.2	77
25/11/2022 23:30	5.6	277	6	7.4	0	26.1	77
25/11/2022 23:40	5.4	271	6	7.2	0	26	77
25/11/2022 23:50	5.7	275	7	7.3	0	26	78
26/11/2022 00:00	5.2	276	6	7.3	0	25.9	79
26/11/2022 00:10	5.3	275	7	7.2	0	25.9	79



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/11/2022 00:20	5.5	273	7	7.1	0	25.8	80
26/11/2022 00:30	5.4	271	7	7.6	0	25.8	80
26/11/2022 00:40	5.5	269	7	7.8	0	25.8	79
26/11/2022 00:50	5.3	269	6	7.6	0	25.8	80
26/11/2022 01:00	6.4	269	6	8.1	0	25.8	79
26/11/2022 01:10	5.2	271	6	7.6	0	25.8	80
26/11/2022 01:20	6	274	6	7.7	0	25.7	80
26/11/2022 01:30	5.7	271	6	8	0	25.8	80
26/11/2022 01:40	5.9	274	6	7.9	0	25.8	79
26/11/2022 01:50	5.9	271	6	8	0	25.8	79
26/11/2022 02:00	5.1	272	7	7.4	0	25.8	79
26/11/2022 02:10	5.4	268	7	7.2	0	25.9	79
26/11/2022 02:20	5.2	269	5	7.1	0	25.9	79
26/11/2022 02:30	5.1	270	8	6.9	0	25.9	78
26/11/2022 02:40	4.9	265	6	7	0	25.9	76
26/11/2022 02:50	4.9	262	6	7	0	25.9	72
26/11/2022 03:00	4.7	260	7	6.4	0	25.8	70
26/11/2022 03:10	4	260	6	5.2	0	25.6	70
26/11/2022 03:20	4.2	258	6	5.6	0	25.4	68
26/11/2022 03:30	4.6	257	6	6.3	0	25.3	66
26/11/2022 03:40	4.2	261	5	5.3	0	25.2	65
26/11/2022 03:50	4.2	260	8	6.2	0	25.3	64
26/11/2022 04:00	3.9	264	8	5.6	0	25.2	64
26/11/2022 04:10	4.7	262	6	6.3	0	25.2	63
26/11/2022 04:20	5.7	263	6	7.3	0	25.1	63
26/11/2022 04:30	5.4	261	5	7	0	25	62
26/11/2022 04:40	5.3	265	5	6.8	0	24.8	62
26/11/2022 04:50	4.9	265	7	7.1	0	24.6	62
26/11/2022 05:00	4.8	266	7	6.5	0	24.6	62
26/11/2022 05:10	4.5	264	7	6	0	24.4	62
26/11/2022 05:20	4.8	265	7	6.4	0	24.3	62
26/11/2022 05:30	4.8	264	7	6.5	0	24.3	62
26/11/2022 05:40	4.4	267	6	5.9	0	24.3	62
26/11/2022 05:50	4.1	264	8	5.3	0	24.4	61
26/11/2022 06:00	3.6	264	7	4.8	0	24.6	60
26/11/2022 06:10	3.5	261	7	4.6	0	24.8	59
26/11/2022 06:20	3.6	263	6	4.7	0	25.2	58
26/11/2022 06:30	3.7	263	8	4.8	0	25.6	56
26/11/2022 06:40	3.8	262	10	5	0	26	55
26/11/2022 06:50	3.7	276	9	4.9	0	26.6	53
26/11/2022 07:00	3.7	280	9	5	0	27.3	51
26/11/2022 07:10	3.1	264	13	4.6	0	27.9	49
26/11/2022 07:20	3.8	237	14	5.5	0	28.5	44
26/11/2022 07:30	3.5	235	12	5.2	0	28.4	45
26/11/2022 07:40	3.3	256	14	4.7	0	28.6	46
26/11/2022 07:50	2.6	250	27	4.4	0	29	45
26/11/2022 08:00	2.8	262	14	4.3	0	29.1	45
26/11/2022 08:10	2.7	255	19	3.9	0	29.5	43



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/11/2022 08:20	3	250	20	4.9	0	30	42
26/11/2022 08:30	3.5	221	19	6.2	0	29.7	42
26/11/2022 08:40	2.7	203	20	4.6	0	29.7	41
26/11/2022 08:50	2.9	252	17	4.6	0	30.6	40
26/11/2022 09:00	2.1	208	57	4	0	31	39
26/11/2022 09:10	2.2	215	27	3.4	0	31.8	38
26/11/2022 09:20	1.9	232	44	3.4	0	32.2	38
26/11/2022 09:30	2.1	275	46	3.9	0	32.3	39
26/11/2022 09:40	2.7	296	21	4.2	0	32.4	39
26/11/2022 09:50	2.2	283	22	3.6	0	32.4	38
26/11/2022 10:00	2.1	293	25	4.1	0	32.8	38
26/11/2022 10:10	2	280	51	4.3	0	33.1	37
26/11/2022 10:20	3.1	176	34	5.7	0	33.1	39
26/11/2022 10:30	3.7	338	12	5.6	0	31.8	41
26/11/2022 10:40	3.8	341	16	5.7	0	32.1	41
26/11/2022 10:50	4.6	338	12	6.5	0	31.6	45
26/11/2022 11:00	4.8	335	12	6.2	0	31.4	45
26/11/2022 11:10	4.7	332	13	6.6	0	31.6	45
26/11/2022 11:20	4.9	331	10	6.3	0	31.7	46
26/11/2022 11:30	5.1	323	8	6.5	0	31.7	45
26/11/2022 11:40	5.6	332	11	7.8	0	31.3	47
26/11/2022 11:50	5.6	330	10	7.6	0	31.2	47
26/11/2022 12:00	5.9	329	8	7.7	0	31.2	48
26/11/2022 12:10	5.4	324	12	7.6	0	31.1	48
26/11/2022 12:20	5.4	324	14	7.3	0	31.3	48
26/11/2022 12:30	5	322	16	7	0	31.4	48
26/11/2022 12:40	4.6	322	13	6.6	0	31.2	50
26/11/2022 12:50	4.7	316	16	7.5	0	31.5	51
26/11/2022 13:00	4.5	313	13	6.3	0	31.3	50
26/11/2022 13:10	5	312	11	7.1	0	30.9	51
26/11/2022 13:20	5.1	304	18	8.1	0	31.3	51
26/11/2022 13:30	5.7	293	11	7.8	0	31.5	49
26/11/2022 13:40	5.8	301	12	8.7	0	31.6	49
26/11/2022 13:50	5.9	302	10	7.9	0	31	51
26/11/2022 14:00	6.6	297	7	8.7	0	31.1	52
26/11/2022 14:10	6.2	305	13	8.2	0	31.2	51
26/11/2022 14:20	6.1	305	12	8.5	0	31.3	50
26/11/2022 14:30	6.1	306	9	8.2	0	31.3	50
26/11/2022 14:40	5.9	309	9	8.1	0	31.2	52
26/11/2022 14:50	5.6	308	13	7.8	0	31.5	52
26/11/2022 15:00	5.4	321	13	7.4	0	31.8	52
26/11/2022 15:10	5.4	324	10	7.1	0	31.3	55
26/11/2022 15:20	5.3	323	13	7.1	0	31.3	54
26/11/2022 15:30	5.2	319	12	7.1	0	31.4	55
26/11/2022 15:40	4.7	326	13	6.3	0	31.1	58
26/11/2022 15:50	4.8	317	12	6.2	0	31.2	57
26/11/2022 16:00	4.6	309	15	6.7	0	31.4	55
26/11/2022 16:10	4.5	314	11	5.9	0	31.2	55



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/11/2022 16:20	4.8	300	12	6.4	0	31.4	53
26/11/2022 16:30	5.3	299	8	6.9	0	31.4	51
26/11/2022 16:40	5.1	290	10	6.8	0	31.3	53
26/11/2022 16:50	4.7	289	9	6.1	0	30.9	55
26/11/2022 17:00	4.5	295	12	6.3	0	31	55
26/11/2022 17:10	4.6	308	13	6.1	0	30.6	59
26/11/2022 17:20	4.2	312	9	5.8	0	29.4	66
26/11/2022 17:30	4.3	300	12	6.4	0	29.5	65
26/11/2022 17:40	4.9	295	10	6.6	0	29.6	63
26/11/2022 17:50	5.5	298	8	7.3	0	29.2	65
26/11/2022 18:00	5.6	295	7	7.1	0	28.7	67
26/11/2022 18:10	6.1	299	6	7.7	0	28.3	69
26/11/2022 18:20	4.6	299	9	6.6	0	28	71
26/11/2022 18:30	5.1	303	8	7.2	0	27.8	72
26/11/2022 18:40	5.8	297	8	7.7	0	27.7	71
26/11/2022 18:50	5.6	295	7	7.9	0	27.6	72
26/11/2022 19:00	5.2	295	6	6.9	0	27.4	73
26/11/2022 19:10	4.7	285	9	6.4	0	27.3	74
26/11/2022 19:20	6.2	275	8	8.1	0	27.1	73
26/11/2022 19:30	6.1	274	6	7.9	0	27.1	72
26/11/2022 19:40	6.6	274	6	8.4	0	27	73
26/11/2022 19:50	6	279	7	7.9	0	26.8	74
26/11/2022 20:00	5.2	278	6	7.2	0	26.8	74
26/11/2022 20:10	5.3	276	7	6.7	0	26.8	74
26/11/2022 20:20	5.6	276	7	7.2	0	26.7	73
26/11/2022 20:30	5.6	278	6	7.7	0	26.7	72
26/11/2022 20:40	5.2	281	7	7.4	0	26.8	71
26/11/2022 20:50	4.9	281	7	7.1	0	26.8	71
26/11/2022 21:00	4.4	286	8	6.4	0	26.8	72
26/11/2022 21:10	4.3	288	9	5.7	0	26.7	72
26/11/2022 21:20	4.5	289	9	6.9	0	26.7	70
26/11/2022 21:30	4.9	287	8	6.5	0	26.7	69
26/11/2022 21:40	5.3	287	8	6.9	0	26.8	68
26/11/2022 21:50	5.1	287	9	7.5	0	26.8	67
26/11/2022 22:00	4.8	288	9	6.9	0	26.9	66
26/11/2022 22:10	5.4	287	9	7.6	0	26.9	66
26/11/2022 22:20	6.2	285	7	8.7	0	26.9	67
26/11/2022 22:30	6.7	276	7	9.2	0	26.8	68
26/11/2022 22:40	6.4	282	7	9.2	0	26.7	69
26/11/2022 22:50	6.5	280	7	8.7	0	26.6	71
26/11/2022 23:00	6.5	281	8	8.2	0	26.6	72
26/11/2022 23:10	6.8	281	7	9.6	0	26.5	72
26/11/2022 23:20	7.5	281	8	10.1	0	26.5	73
26/11/2022 23:30	7.6	280	6	9.6	0	26.4	74
26/11/2022 23:40	7.4	282	8	9.9	0	26.4	75
26/11/2022 23:50	7.4	282	6	10.4	0	26.3	75
27/11/2022 00:00	6.4	283	7	8.9	0	26.2	76
27/11/2022 00:10	7.2	282	7	10.2	0	26.1	77



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/11/2022 00:20	6.7	282	8	8.8	0	26.1	78
27/11/2022 00:30	6.4	282	8	9.1	0	26	79
27/11/2022 00:40	7.2	279	6	10.6	0	26	79
27/11/2022 00:50	7.4	278	7	10	0	26	79
27/11/2022 01:00	7.5	277	6	10.3	0	26	79
27/11/2022 01:10	7	275	7	9.6	0	26	80
27/11/2022 01:20	6.9	274	6	9.4	0	26	80
27/11/2022 01:30	6.9	271	6	9	0	26.1	79
27/11/2022 01:40	7	267	7	9.6	0	26.1	78
27/11/2022 01:50	6.8	266	6	9	0	26.2	78
27/11/2022 02:00	6.3	266	5	8	0	26.2	77
27/11/2022 02:10	5.9	265	7	8	0	26.2	77
27/11/2022 02:20	5.9	261	7	7.7	0	26.3	75
27/11/2022 02:30	5.9	261	5	7.6	0	26.4	73
27/11/2022 02:40	5.6	259	6	7.9	0	26.5	69
27/11/2022 02:50	6	256	7	8	0	26.4	66
27/11/2022 03:00	6.1	257	7	7.8	0	26.5	62
27/11/2022 03:10	5.8	255	7	7.2	0	26.4	60
27/11/2022 03:20	5.4	256	7	7	0	26.3	59
27/11/2022 03:30	5.4	258	6	7.3	0	26.3	57
27/11/2022 03:40	5.4	257	6	6.9	0	26.2	57
27/11/2022 03:50	5.4	257	6	6.8	0	26	56
27/11/2022 04:00	5.2	259	5	6.9	0	25.9	56
27/11/2022 04:10	4.8	260	4	6.1	0	25.6	57
27/11/2022 04:20	4.3	261	4	5.6	0	25.5	57
27/11/2022 04:30	4.4	261	6	5.4	0	25.3	56
27/11/2022 04:40	4.1	264	4	5	0	25.2	55
27/11/2022 04:50	3.8	266	5	4.6	0	24.9	57
27/11/2022 05:00	3.9	265	5	5	0	24.8	56
27/11/2022 05:10	3.9	270	5	4.8	0	24.7	56
27/11/2022 05:20	3.8	272	4	4.8	0	24.9	54
27/11/2022 05:30	3.6	275	5	4.4	0	25.1	52
27/11/2022 05:40	3.5	278	5	4.2	0	25.5	50
27/11/2022 05:50	1.7	232	28	2.7	0	25.4	51
27/11/2022 06:00	0.8	207	42	1.5	0	25.8	51
27/11/2022 06:10	0.5	172	70	1.1	0	26.4	50
27/11/2022 06:20	1.2	286	20	1.9	0	26.6	51
27/11/2022 06:30	1.3	277	15	2.3	0	27.1	51
27/11/2022 06:40	2	272	13	2.7	0	27.5	49
27/11/2022 06:50	1.4	256	21	2.6	0	28.3	45
27/11/2022 07:00	1.8	193	19	2.8	0	29.4	37
27/11/2022 07:10	3.1	181	8	4	0	29.3	36
27/11/2022 07:20	1.9	157	20	3.3	0	29.9	41
27/11/2022 07:30	2	134	18	3.4	0	30.5	45
27/11/2022 07:40	3	126	20	4.8	0	30.2	49
27/11/2022 07:50	2.9	118	17	4.5	0	30.1	50
27/11/2022 08:00	2.8	116	18	4.2	0	30.1	50
27/11/2022 08:10	3.2	97	15	4.6	0	29.7	53



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/11/2022 08:20	3.3	112	15	5.2	0	29.5	55
27/11/2022 08:30	3.3	103	15	5.2	0	29.9	55
27/11/2022 08:40	3	105	17	4.9	0	30.4	54
27/11/2022 08:50	3.6	117	12	5.3	0	30.7	53
27/11/2022 09:00	3.1	119	16	4.5	0	30.7	54
27/11/2022 09:10	3.7	98	12	5.8	0	31.2	52
27/11/2022 09:20	3.8	85	12	5.5	0	30.8	53
27/11/2022 09:30	3.5	87	17	5.3	0	30.9	53
27/11/2022 09:40	3.9	86	10	5.3	0	31.1	51
27/11/2022 09:50	4	82	9	5.8	0	31.2	51
27/11/2022 10:00	4.3	86	12	5.7	0	31.5	50
27/11/2022 10:10	3.7	99	17	5.6	0	32	49
27/11/2022 10:20	4.3	77	10	6.4	0	32	49
27/11/2022 10:30	4.6	76	13	6.5	0	32.2	49
27/11/2022 10:40	4.4	61	12	6.5	0	32.2	51
27/11/2022 10:50	4.5	48	11	6.7	0	32	54
27/11/2022 11:00	4.9	55	11	6.7	0	31.9	53
27/11/2022 11:10	4.8	49	11	6.2	0	32.2	52
27/11/2022 11:20	5.2	53	10	6.8	0	32.2	53
27/11/2022 11:30	5.3	53	12	6.6	0	32.3	53
27/11/2022 11:40	5.6	60	8	7.9	0	32.4	52
27/11/2022 11:50	5.5	57	9	6.8	0	32.7	50
27/11/2022 12:00	5.7	55	7	8	0	32.5	51
27/11/2022 12:10	5.8	59	10	7.3	0	33.1	50
27/11/2022 12:20	6	62	9	8.1	0	33.1	51
27/11/2022 12:30	5.8	57	9	7.6	0	33.1	53
27/11/2022 12:40	6.5	55	7	8.2	0	32.2	59
27/11/2022 12:50	6.1	54	7	7.7	0	32	58
27/11/2022 13:00	5.6	54	8	7.2	0	32.3	56
27/11/2022 13:10	5.7	63	8	7.2	0	32.7	52
27/11/2022 13:20	5.4	52	17	7.2	0	33.7	47
27/11/2022 13:30	4	347	19	6.1	0	34	49
27/11/2022 13:40	4.8	337	13	7.1	0	33.2	51
27/11/2022 13:50	4.6	338	14	6.7	0	33	53
27/11/2022 14:00	5.4	327	9	6.9	0	32.7	56
27/11/2022 14:10	6.2	326	8	8.2	0	31.6	59
27/11/2022 14:20	6.1	317	11	8	0	31.2	59
27/11/2022 14:30	5.8	314	15	8.2	0	31.1	59
27/11/2022 14:40	5.6	313	10	8	0	31.5	57
27/11/2022 14:50	5.7	303	12	7.9	0	31.2	57
27/11/2022 15:00	5.2	315	11	7.1	0	31.6	55
27/11/2022 15:10	4.7	311	13	7.2	0	32.1	52
27/11/2022 15:20	4.8	325	13	6.2	0	32.6	51
27/11/2022 15:30	5.4	320	11	7.2	0	32.4	49
27/11/2022 15:40	5	334	12	6.9	0	32.4	49
27/11/2022 15:50	4.5	329	13	6.2	0	33.2	46
27/11/2022 16:00	5.8	325	6	7.2	0	32.1	54
27/11/2022 16:10	5.6	320	10	7.4	0	31.2	55



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/11/2022 16:20	5.1	328	10	6.7	0	31.6	53
27/11/2022 16:30	5.1	310	10	6.7	0	31.8	49
27/11/2022 16:40	4.6	303	11	7	0	31.9	47
27/11/2022 16:50	4.6	306	16	6	0	31.9	46
27/11/2022 17:00	4.8	302	9	7	0	31.9	44
27/11/2022 17:10	4.6	311	11	6.4	0	31.8	44
27/11/2022 17:20	4.9	312	8	6.4	0	31.6	45
27/11/2022 17:30	4.1	311	11	6	0	32.1	42
27/11/2022 17:40	4.2	306	14	6.3	0	32.3	41
27/11/2022 17:50	4.6	314	10	6.7	0	31.8	44
27/11/2022 18:00	4.3	306	11	6.4	0	31.4	48
27/11/2022 18:10	4.3	314	9	6.3	0	31	52
27/11/2022 18:20	4.1	309	10	6	0	30.3	58
27/11/2022 18:30	3.6	302	12	5.1	0	30	58
27/11/2022 18:40	4.6	292	10	7.1	0	29.8	56
27/11/2022 18:50	5.7	288	7	7.6	0	29.2	60
27/11/2022 19:00	5.6	296	8	7.3	0	28.7	65
27/11/2022 19:10	4.5	295	8	5.8	0	28.2	71
27/11/2022 19:20	4.6	293	8	6.3	0	27.9	72
27/11/2022 19:30	4.3	283	7	5.8	0	27.8	73
27/11/2022 19:40	5.2	279	8	7.1	0	27.6	74
27/11/2022 19:50	4.6	285	9	6.2	0	27.6	73
27/11/2022 20:00	5	287	8	7.2	0	27.5	71
27/11/2022 20:10	5.3	290	9	7.2	0	27.6	70
27/11/2022 20:20	4.5	280	10	6.5	0	27.5	69
27/11/2022 20:30	5.2	286	7	7	0	27.6	67
27/11/2022 20:40	5	283	9	6.7	0	27.6	66
27/11/2022 20:50	4.6	282	8	6.9	0	27.6	66
27/11/2022 21:00	4.8	281	8	6.6	0	27.6	67
27/11/2022 21:10	5.1	280	8	7.7	0	27.6	65
27/11/2022 21:20	4.7	284	8	6.9	0	27.7	65
27/11/2022 21:30	4.9	286	9	7.5	0	27.7	64
27/11/2022 21:40	6.5	289	8	9.3	0	28.2	60
27/11/2022 21:50	5.8	293	13	8.5	0	28	64
27/11/2022 22:00	5.3	306	10	8.1	0	27.9	67
27/11/2022 22:10	5.7	297	12	8.2	0	27.5	68
27/11/2022 22:20	6.2	293	7	8.3	0	27.5	68
27/11/2022 22:30	4.8	289	8	6.8	0	27.3	69
27/11/2022 22:40	4.6	288	8	6.7	0	27.2	70
27/11/2022 22:50	5.1	286	7	7.7	0	27.1	71
27/11/2022 23:00	5.5	284	8	7.8	0	27	71
27/11/2022 23:10	5.8	279	6	7.8	0	26.9	72
27/11/2022 23:20	6.2	276	7	8.9	0	26.9	72
27/11/2022 23:30	6.4	278	7	8.8	0	26.9	73
27/11/2022 23:40	6.2	274	8	9	0	26.9	72
27/11/2022 23:50	6.5	270	6	8.7	0	26.9	72
28/11/2022 00:00	6.7	268	7	8.8	0	27	71
28/11/2022 00:10	6.1	266	6	8.6	0	26.9	72



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/11/2022 00:20	6.1	267	7	8.4	0	26.9	72
28/11/2022 00:30	6.1	270	7	7.9	0	26.9	73
28/11/2022 00:40	6.8	268	6	9	0	26.9	73
28/11/2022 00:50	6.8	271	6	8.9	0	26.9	73
28/11/2022 01:00	7.2	268	6	9.6	0	26.9	72
28/11/2022 01:10	6.6	266	6	8.9	0	26.9	72
28/11/2022 01:20	6.8	266	6	8.9	0	26.9	72
28/11/2022 01:30	6.9	268	6	9.2	0	26.9	73
28/11/2022 01:40	6.8	268	6	9.5	0	26.9	73
28/11/2022 01:50	6.5	269	6	9.2	0	26.8	74
28/11/2022 02:00	7.3	269	6	9.6	0	26.8	74
28/11/2022 02:10	6.6	270	7	8.7	0	26.8	75
28/11/2022 02:20	6.6	270	5	8.8	0	26.7	77
28/11/2022 02:30	6.5	268	7	8.5	0	26.6	77
28/11/2022 02:40	7	267	6	9.5	0	26.6	77
28/11/2022 02:50	7	267	6	9.8	0	26.6	77
28/11/2022 03:00	6.6	261	7	8.9	0	26.5	77
28/11/2022 03:10	7.7	259	6	10.1	0	26.5	75
28/11/2022 03:20	7.5	259	6	9.8	0	26.5	74
28/11/2022 03:30	7.1	260	6	9.7	0	26.4	73
28/11/2022 03:40	7.2	263	6	9.4	0	26.4	73
28/11/2022 03:50	6.5	263	6	9.2	0	26.4	72
28/11/2022 04:00	7.2	261	5	9	0	26.4	70
28/11/2022 04:10	7	260	6	9.2	0	26.4	67
28/11/2022 04:20	6.4	262	6	8.1	0	26.4	67
28/11/2022 04:30	6.4	262	6	8.9	0	26.3	67
28/11/2022 04:40	6.5	263	6	8.8	0	26.2	66
28/11/2022 04:50	6.4	263	6	8.8	0	26.2	65
28/11/2022 05:00	6.2	263	5	8	0	26.1	63
28/11/2022 05:10	6.1	261	5	8.2	0	26	62
28/11/2022 05:20	6.7	261	6	8.1	0	25.9	61
28/11/2022 05:30	6	264	5	7.8	0	25.7	61
28/11/2022 05:40	6.6	264	4	8.1	0	25.7	61
28/11/2022 05:50	5.9	263	5	7.3	0	25.7	60
28/11/2022 06:00	6.9	264	5	8.7	0	25.9	58
28/11/2022 06:10	6.6	260	6	8.4	0	26	57
28/11/2022 06:20	6.7	262	6	9	0	26.2	56
28/11/2022 06:30	6.8	266	6	8.9	0	26.5	55
28/11/2022 06:40	5.9	266	7	8.2	0	26.9	54
28/11/2022 06:50	7.1	264	6	9.2	0	27	54
28/11/2022 07:00	6.7	267	6	8.4	0	27.2	53
28/11/2022 07:10	5.6	268	8	7.5	0	27.6	51
28/11/2022 07:20	5.8	263	8	8.2	0	27.7	51
28/11/2022 07:30	4.5	257	8	5.6	0	27.9	51
28/11/2022 07:40	4.1	247	12	5.6	0	28.6	48
28/11/2022 07:50	2.2	253	22	3.6	0	29	46
28/11/2022 08:00	2.1	230	23	3.3	0	29.8	43
28/11/2022 08:10	1.7	171	37	2.8	0	30.4	40





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/11/2022 08:20	2.4	186	13	3.4	0	30.2	39
28/11/2022 08:30	2.4	139	19	3.9	0	30.1	40
28/11/2022 08:40	2.1	117	21	3.3	0	30.7	39
28/11/2022 08:50	2.4	111	23	3.5	0	31	39
28/11/2022 09:00	2.2	123	13	3.6	0	31.3	39
28/11/2022 09:10	1.8	158	38	3.3	0	31.3	39
28/11/2022 09:20	1.7	156	39	3.1	0	31.6	38
28/11/2022 09:30	1.8	137	28	3.4	0	32.7	35
28/11/2022 09:40	2	225	35	3.8	0	32.2	39
28/11/2022 09:50	2.6	265	19	3.7	0	31.6	45
28/11/2022 10:00	2.6	253	30	4.4	0	32.1	44
28/11/2022 10:10	2.5	237	28	4.3	0	32.4	43
28/11/2022 10:20	2.6	253	16	4.1	0	32.7	42
28/11/2022 10:30	1.9	216	28	3.2	0	32.6	43
28/11/2022 10:40	2.3	241	33	3.7	0	33.1	42
28/11/2022 10:50	1.6	246	34	3.2	0	33.6	41
28/11/2022 11:00	2.3	230	31	3.8	0	33.7	42
28/11/2022 11:10	3.5	296	20	5.2	0	33.8	40
28/11/2022 11:20	3.8	282	14	5.7	0	33.4	40
28/11/2022 11:30	4.1	270	14	6.5	0	33.4	42
28/11/2022 11:40	4.2	269	14	6	0	33.7	43
28/11/2022 11:50	3.9	263	12	5.6	0	32.7	46
28/11/2022 12:00	4.5	271	14	6	0	33.2	46
28/11/2022 12:10	4.5	282	15	6.6	0	33.6	46
28/11/2022 12:20	4.9	285	11	6.9	0	33.2	48
28/11/2022 12:30	4.9	279	11	6.8	0	33	49
28/11/2022 12:40	4.6	274	13	6.8	0	33.5	49
28/11/2022 12:50	4.4	277	10	5.8	0	33.7	47
28/11/2022 13:00	4.4	288	15	5.9	0	34.1	47
28/11/2022 13:10	4.5	284	14	6	0	34.2	48
28/11/2022 13:20	5.2	293	12	7.1	0	33.8	50
28/11/2022 13:30	5.2	296	12	7.4	0	33.4	54
28/11/2022 13:40	5.5	286	8	7.2	0	32.8	56
28/11/2022 13:50	5.9	279	9	7.8	0	32.8	55
28/11/2022 14:00	5.4	286	12	7.4	0	33	55
28/11/2022 14:10	5.5	283	10	7.4	0	32.7	56
28/11/2022 14:20	5.7	273	11	7.5	0	32.7	56
28/11/2022 14:30	5.7	264	12	7.5	0	32.9	55
28/11/2022 14:40	6.3	265	10	8.2	0	32.8	53
28/11/2022 14:50	6.4	274	7	8	0	32.8	51
28/11/2022 15:00	6.2	276	7	7.9	0	33.1	46
28/11/2022 15:10	6	272	6	7.5	0	33.3	46
28/11/2022 15:20	5.9	270	8	8.1	0	33.1	46
28/11/2022 15:30	5.8	269	10	7.5	0	33.3	46
28/11/2022 15:40	6.1	268	8	7.7	0	33	47
28/11/2022 15:50	5.8	267	9	7.5	0	33	47
28/11/2022 16:00	5.8	272	9	7.3	0	33.3	46
28/11/2022 16:10	5.5	273	10	6.9	0	33.6	44



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/11/2022 16:20	6.1	265	9	8.3	0	33.4	44
28/11/2022 16:30	5.6	265	10	6.9	0	33.4	44
28/11/2022 16:40	5.2	266	8	6.5	0	33.3	44
28/11/2022 16:50	5.2	267	10	6.4	0	33.1	45
28/11/2022 17:00	5.5	267	7	6.6	0	32.7	48
28/11/2022 17:10	4.9	263	6	6.1	0	32.6	52
28/11/2022 17:20	4.8	258	8	6.1	0	32.7	54
28/11/2022 17:30	4.8	266	7	6.1	0	32.5	54
28/11/2022 17:40	5.4	262	7	6.9	0	31.9	57
28/11/2022 17:50	5.9	274	6	7.7	0	30.8	66
28/11/2022 18:00	5.5	263	7	7.6	0	30.3	68
28/11/2022 18:10	5.2	260	7	6.7	0	29.7	69
28/11/2022 18:20	5.6	262	8	8.1	0	29.2	70
28/11/2022 18:30	6.1	268	9	7.9	0	28.6	71
28/11/2022 18:40	6.7	276	6	8.7	0	28.2	72
28/11/2022 18:50	6.6	272	6	9.1	0	27.9	72
28/11/2022 19:00	7	270	6	9.4	0	27.7	73
28/11/2022 19:10	6.7	274	6	8.6	0	27.5	75
28/11/2022 19:20	6.6	272	5	8.6	0	27.3	76
28/11/2022 19:30	6.8	276	5	8.2	0	27.2	78
28/11/2022 19:40	6.7	276	6	8.4	0	27.2	77
28/11/2022 19:50	6.1	274	6	7.6	0	27.2	77
28/11/2022 20:00	6.1	274	7	8	0	27.2	76
28/11/2022 20:10	5.9	271	5	7.5	0	27.2	77
28/11/2022 20:20	5.7	273	7	7.3	0	27.2	76
28/11/2022 20:30	6.1	269	5	7.4	0	27.2	75
28/11/2022 20:40	6.3	271	5	7.7	0	27.2	76
28/11/2022 20:50	5.8	275	5	7.3	0	27	77
28/11/2022 21:00	5.8	272	5	7.6	0	27	78
28/11/2022 21:10	5.5	272	6	7.6	0	27	78
28/11/2022 21:20	5.9	271	6	7.4	0	27	76
28/11/2022 21:30	6	271	7	7.9	0	27.1	76
28/11/2022 21:40	5.7	276	6	7.7	0	27	76
28/11/2022 21:50	6	280	7	8	0	27	75
28/11/2022 22:00	6	273	8	8.3	0	27	76
28/11/2022 22:10	5.8	272	6	8	0	27	76
28/11/2022 22:20	5.3	265	8	7.3	0	27	75
28/11/2022 22:30	5.1	267	8	7.3	0	27.1	74
28/11/2022 22:40	5.6	263	7	7.2	0	27	75
28/11/2022 22:50	5.9	260	6	7.8	0	26.9	75
28/11/2022 23:00	5.7	265	6	7.1	0	26.9	75
28/11/2022 23:10	6	269	7	7.8	0	26.8	76
28/11/2022 23:20	6	275	6	7.5	0	26.7	77
28/11/2022 23:30	5.6	268	7	8.3	0	26.6	77
28/11/2022 23:40	6	270	6	7.7	0	26.6	76
28/11/2022 23:50	5.6	274	5	7.6	0	26.5	76
29/11/2022 00:00	5.6	274	7	7.7	0	26.5	76
29/11/2022 00:10	6	277	6	7.7	0	26.4	76



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/11/2022 00:20	5.9	279	6	7.8	0	26.4	76
29/11/2022 00:30	6.8	277	6	9.4	0	26.4	76
29/11/2022 00:40	7.4	276	6	9.8	0	26.3	77
29/11/2022 00:50	7	271	7	9.6	0	26.3	78
29/11/2022 01:00	7	271	7	9.2	0	26.2	77
29/11/2022 01:10	8.3	272	5	10.6	0	26.2	76
29/11/2022 01:20	8	275	7	10.9	0	26.1	78
29/11/2022 01:30	8	273	5	11	0	26.1	78
29/11/2022 01:40	8.1	272	6	10.8	0	26.1	78
29/11/2022 01:50	7.6	271	6	10.5	0	26	79
29/11/2022 02:00	8	274	5	10.5	0	26	79
29/11/2022 02:10	8	276	7	10.2	0	25.9	80
29/11/2022 02:20	7.5	278	6	10	0	25.9	80
29/11/2022 02:30	8.1	275	6	10.5	0	25.8	80
29/11/2022 02:40	8.2	275	6	11.1	0	25.8	80
29/11/2022 02:50	7.4	276	5	10.4	0	25.8	80
29/11/2022 03:00	7.9	277	6	10.1	0	25.8	80
29/11/2022 03:10	7.7	276	6	10.1	0	25.9	79
29/11/2022 03:20	6.5	275	6	9	0	25.9	79
29/11/2022 03:30	6.4	276	6	9.2	0	25.9	78
29/11/2022 03:40	7.3	279	6	10.1	0	26	76
29/11/2022 03:50	7.6	276	6	10.3	0	26	76
29/11/2022 04:00	7.3	276	6	10.1	0	26	76
29/11/2022 04:10	7.9	273	6	10.9	0	26	75
29/11/2022 04:20	7.7	270	6	10.3	0	26.1	74
29/11/2022 04:30	8.5	267	5	11	0	26.2	74
29/11/2022 04:40	7.3	268	7	9.8	0	26.1	75
29/11/2022 04:50	7.9	272	6	10.5	0	26.1	75
29/11/2022 05:00	7.7	272	6	11.6	0	26	75
29/11/2022 05:10	7.3	268	6	10.3	0	25.9	77
29/11/2022 05:20	7.7	268	6	10.3	0	25.9	77
29/11/2022 05:30	8	268	5	10.6	0	25.9	77
29/11/2022 05:40	7.2	271	6	10	0	25.9	78
29/11/2022 05:50	7.1	266	7	10	0	26	77
29/11/2022 06:00	7.4	265	7	9.9	0	26.2	77
29/11/2022 06:10	7.6	261	7	10.5	0	26.3	76
29/11/2022 06:20	6.9	262	7	9.2	0	26.5	76
29/11/2022 06:30	8	266	6	10.2	0	26.7	75
29/11/2022 06:40	8	265	7	10.9	0	27	74
29/11/2022 06:50	7.8	261	6	10.4	0	27.3	73
29/11/2022 07:00	8.3	265	8	11	0	27.5	73
29/11/2022 07:10	7.6	263	8	10.2	0	27.6	73
29/11/2022 07:20	6.7	268	9	9.1	0	28	73
29/11/2022 07:30	7.4	275	9	9.7	0	28	73
29/11/2022 07:40	7	275	8	9.2	0	28.1	73
29/11/2022 07:50	6.8	282	8	9.2	0	28.1	73
29/11/2022 08:00	6.5	277	10	9.1	0	28.3	73
29/11/2022 08:10	6.3	266	9	8.1	0	28.2	74



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/11/2022 08:20	4.4	270	10	6.2	0	28.4	73
29/11/2022 08:30	3.8	261	15	5.7	0	29.4	69
29/11/2022 08:40	4.2	252	17	6.1	0	29.3	68
29/11/2022 08:50	3.7	233	20	5.9	0	29.9	60
29/11/2022 09:00	2.9	220	26	4.5	0	30.5	57
29/11/2022 09:10	2.7	197	29	5	0	30.9	55
29/11/2022 09:20	2.2	262	34	4.4	0	31.5	52
29/11/2022 09:30	2.3	171	36	3.6	0	31.9	49
29/11/2022 09:40	2	175	45	4.4	0	32.9	45
29/11/2022 09:50	3.3	223	23	5.7	0	32.7	48
29/11/2022 10:00	3.5	277	19	5.8	0	32	56
29/11/2022 10:10	3.4	284	15	5	0	31.4	59
29/11/2022 10:20	2.5	267	25	4.8	0	302.2	55
29/11/2022 10:30	1.9	240	34	3.8	0	32.9	51
29/11/2022 10:40	3	219	14	4.2	0	32.9	55
29/11/2022 10:50	1.9	234	55	3.5	0	33.2	55
29/11/2022 11:00	2.1	91	42	4.5	0	34.4	36
29/11/2022 11:10	2.6	72	48	4.1	0	34.6	41
29/11/2022 11:20	3	331	13	5	0	32.5	58
29/11/2022 11:30	3.7	320	10	5.9	0	32	60
29/11/2022 11:40	4.4	329	16	6	0	32	61
29/11/2022 11:50	4.6	333	11	6.6	0	32.2	60
29/11/2022 12:00	4.6	336	16	6	0	31.8	61
29/11/2022 12:10	4.6	328	10	5.9	0	32	60
29/11/2022 12:20	4.2	328	13	6.3	0	31.7	59
29/11/2022 12:30	3.9	324	17	5.9	0	31.8	59
29/11/2022 12:40	3.5	337	25	6.6	0	31.7	59
29/11/2022 12:50	3.4	330	31	5.5	0	32	59
29/11/2022 13:00	2.5	340	36	5.3	0	31.7	60
29/11/2022 13:10	2.2	179	34	4.2	0	32.6	57
29/11/2022 13:20	3.1	332	20	5.8	0	32.3	56
29/11/2022 13:30	4	338	13	5.5	0	31.7	58
29/11/2022 13:40	3	342	19	4.7	0	31.9	58
29/11/2022 13:50	3.7	322	19	5.6	0	32.1	58
29/11/2022 14:00	3.5	327	18	5.4	0	32.5	57
29/11/2022 14:10	4.6	325	10	6.3	0	31.7	59
29/11/2022 14:20	4.5	324	9	6.2	0	31.3	61
29/11/2022 14:30	4.2	331	14	6.1	0	31.3	60
29/11/2022 14:40	4.7	334	13	7	0	31	61
29/11/2022 14:50	4.5	314	15	6.7	0	31.5	60
29/11/2022 15:00	6.1	312	9	8.2	0	30.8	62
29/11/2022 15:10	5.1	319	12	7.6	0	30.8	63
29/11/2022 15:20	5	320	20	7.5	0	31.1	62
29/11/2022 15:30	5.6	314	13	7.7	0	31	63
29/11/2022 15:40	5.4	313	12	7.8	0	30.1	64
29/11/2022 15:50	5.3	307	11	7.4	0	30.4	64
29/11/2022 16:00	4.9	315	15	7.2	0	30.6	63
29/11/2022 16:10	4.8	315	14	6.8	0	30.9	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/11/2022 16:20	5.3	301	13	7.6	0	30.3	66
29/11/2022 16:30	5	296	12	6.8	0	30.4	64
29/11/2022 16:40	5.7	294	11	7.6	0	30.1	64
29/11/2022 16:50	5.5	293	9	7.5	0	30.3	63
29/11/2022 17:00	5.2	297	12	7.5	0	30.2	63
29/11/2022 17:10	5.7	299	9	7.9	0	29.6	63
29/11/2022 17:20	5.4	301	9	7.5	0	29.6	62
29/11/2022 17:30	5.1	307	11	6.9	0	29.7	62
29/11/2022 17:40	5	302	11	6.8	0	29.6	63
29/11/2022 17:50	4.3	299	13	5.8	0	29.6	65
29/11/2022 18:00	5.2	288	7	7	0	29.1	69
29/11/2022 18:10	5	296	6	6.4	0	28.7	71
29/11/2022 18:20	5.2	292	6	6.4	0	28.4	73
29/11/2022 18:30	4.8	291	7	6	0	28.3	73
29/11/2022 18:40	4.3	292	8	6.2	0	28.2	74
29/11/2022 18:50	4.5	268	9	6.2	0	28	77
29/11/2022 19:00	5.1	264	8	6.7	0	27.6	77
29/11/2022 19:10	4.9	267	8	6.5	0	27.5	78
29/11/2022 19:20	5	268	9	6.7	0	27.3	79
29/11/2022 19:30	5.7	269	7	7.3	0	27.2	79
29/11/2022 19:40	5.7	271	7	7.2	0	27.1	79
29/11/2022 19:50	5.4	266	8	7.1	0	27.1	80
29/11/2022 20:00	5.7	276	7	7.5	0	26.8	80
29/11/2022 20:10	6.3	277	5	8.5	0	26.6	80
29/11/2022 20:20	6.3	273	6	7.9	0	26.5	80
29/11/2022 20:30	6.3	274	6	7.8	0	26.4	79
29/11/2022 20:40	5.8	275	6	7.9	0	26.4	79
29/11/2022 20:50	6.6	278	6	7.9	0	26.1	79
29/11/2022 21:00	6.6	274	7	8.7	0	26	78
29/11/2022 21:10	6.9	274	7	9.4	0	25.9	78
29/11/2022 21:20	5.8	274	8	9.1	0	25.8	78
29/11/2022 21:30	6.6	270	8	9	0	25.7	77
29/11/2022 21:40	6.8	267	7	9.6	0	25.7	77
29/11/2022 21:50	6.6	267	6	8.8	0	25.6	77
29/11/2022 22:00	6.2	268	8	8.4	0	25.6	77
29/11/2022 22:10	5.3	268	8	7.5	0	25.6	77
29/11/2022 22:20	5.3	263	9	8	0	25.7	76
29/11/2022 22:30	6.5	264	7	8.6	0	25.7	76
29/11/2022 22:40	5.6	264	6	7.8	0	25.7	76
29/11/2022 22:50	5.7	261	7	8.2	0	25.7	76
29/11/2022 23:00	6	256	7	8.3	0	25.6	76
29/11/2022 23:10	5.8	257	7	7.7	0	25.7	76
29/11/2022 23:20	5.9	258	7	8	0	25.7	76
29/11/2022 23:30	5.6	258	7	7.7	0	25.7	76
29/11/2022 23:40	6.1	256	8	8.7	0	25.7	76
29/11/2022 23:50	6.9	255	7	9.3	0	25.7	76
30/11/2022 00:00	7.1	260	6	9.3	0	25.6	77
30/11/2022 00:10	6.6	259	8	8.5	0	25.6	77



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/11/2022 00:20	5.5	258	6	8	0	25.6	77
30/11/2022 00:30	4.2	255	9	6.6	0	25.6	77
30/11/2022 00:40	3.8	257	9	5.5	0	25.6	77
30/11/2022 00:50	4.2	255	8	5.8	0	25.6	77
30/11/2022 01:00	3.6	260	10	5.4	0	25.6	77
30/11/2022 01:10	2.2	253	17	3	0	25.6	77
30/11/2022 01:20	2.1	267	5	2.9	0	25.5	77
30/11/2022 01:30	2.1	265	5	2.7	0	25.4	77
30/11/2022 01:40	2.5	258	5	3.2	0	25.3	77
30/11/2022 01:50	2.5	261	6	3.3	0	25.4	77
30/11/2022 02:00	1.8	275	7	2.4	0	25.4	77
30/11/2022 02:10	2.4	262	9	3.1	0	25.4	77
30/11/2022 02:20	2.6	278	6	3.6	0	25.4	77
30/11/2022 02:30	3.6	276	7	5	0	25.6	77
30/11/2022 02:40	4.1	284	8	5.9	0	25.7	77
30/11/2022 02:50	4.7	278	7	6.4	0	25.6	77
30/11/2022 03:00	4.9	282	7	6.8	0	25.6	77
30/11/2022 03:10	5	282	8	6.8	0	25.5	77
30/11/2022 03:20	4.9	283	9	7.3	0	25.4	77
30/11/2022 03:30	5.1	281	8	7.3	0	25.3	77
30/11/2022 03:40	5.2	280	7	7	0	25.2	77
30/11/2022 03:50	4.7	281	8	6.8	0	25.2	77
30/11/2022 04:00	4.9	279	7	6.7	0	25	77
30/11/2022 04:10	3.9	272	9	5.6	0	25	77
30/11/2022 04:20	4.4	270	6	6.2	0	25	77
30/11/2022 04:30	3.9	278	9	5.4	0	25	77
30/11/2022 04:40	3.9	285	7	5.2	0	25.1	76
30/11/2022 04:50	4.2	276	6	5.3	0	25	77
30/11/2022 05:00	3.3	277	7	4.7	0	25	77
30/11/2022 05:10	3.7	281	8	5	0	25	77
30/11/2022 05:20	4	278	9	5.7	0	25.1	77
30/11/2022 05:30	3.8	285	10	5.4	0	25.1	77
30/11/2022 05:40	4	273	7	6	0	25.2	77
30/11/2022 05:50	3.5	279	13	5.2	0	25.2	77
30/11/2022 06:00	4.4	273	10	5.8	0	25.3	77
30/11/2022 06:10	4.2	269	7	5.5	0	25.4	77
30/11/2022 06:20	5.3	266	7	6.7	0	25.6	77
30/11/2022 06:30	5.6	267	6	7.4	0	25.9	77
30/11/2022 06:40	5	269	9	7	0	26.1	76
30/11/2022 06:50	5.4	274	10	7.5	0	26.4	76
30/11/2022 07:00	5.8	268	6	7.5	0	26.5	76
30/11/2022 07:10	5.4	270	8	7.5	0	26.7	76
30/11/2022 07:20	4.9	278	9	6.3	0	26.8	76
30/11/2022 07:30	5.1	276	10	6.9	0	27.1	75
30/11/2022 07:40	5.1	278	12	6.3	0	27.2	75
30/11/2022 07:50	5.4	271	11	7.4	0	27.4	75
30/11/2022 08:00	5.6	274	10	7.3	0	27.4	75
30/11/2022 08:10	5.4	276	9	7.1	0	27.6	74



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/11/2022 08:20	4.4	272	13	6.2	0	27.8	74
30/11/2022 08:30	4.7	280	12	6.8	0	27.8	74
30/11/2022 08:40	4.4	270	13	6.3	0	28.3	73
30/11/2022 08:50	4.2	274	15	5.6	0	28.4	72
30/11/2022 09:00	5	281	12	6.7	0	28.7	72
30/11/2022 09:10	4.1	288	12	5.9	0	28.6	72
30/11/2022 09:20	2.5	296	18	4	0	28.7	72
30/11/2022 09:30	2.5	288	17	4	0	29.5	69
30/11/2022 09:40	3.1	294	16	4.6	0	29.7	69
30/11/2022 09:50	3.6	270	16	5.5	0	29.6	69
30/11/2022 10:00	3.8	291	17	5.5	0	29.5	69
30/11/2022 10:10	3.6	260	14	5.2	0	30	68
30/11/2022 10:20	2.5	262	18	4.3	0	30.2	67
30/11/2022 10:30	3	302	23	6	0	30.7	64
30/11/2022 10:40	3.8	278	14	5.9	0	30.8	63
30/11/2022 10:50	3.3	290	15	5.2	0	31.2	62
30/11/2022 11:00	4.1	294	13	5.6	0	31.1	61
30/11/2022 11:10	3.8	296	10	5.5	0	31.7	58
30/11/2022 11:20	4.5	306	12	6.1	0	31.3	62
30/11/2022 11:30	4.5	292	14	6.3	0	31.2	63
30/11/2022 11:40	4.8	290	15	6.4	0	31.3	63
30/11/2022 11:50	4.5	299	11	6.9	0	31.5	62
30/11/2022 12:00	4.9	330	12	6.6	0	31.3	62
30/11/2022 12:10	4.9	333	11	7.2	0	31.1	64
30/11/2022 12:20	5.5	325	10	7.4	0	30.9	63
30/11/2022 12:30	4.7	320	13	6.5	0	31.2	61
30/11/2022 12:40	4.9	305	12	7.4	0	31.3	61
30/11/2022 12:50	5.5	294	11	7.4	0	31.4	60
30/11/2022 13:00	5.5	295	8	7.5	0	31.4	59
30/11/2022 13:10	5.7	294	9	7.3	0	31.6	58
30/11/2022 13:20	5.1	300	13	7	0	31.9	57
30/11/2022 13:30	6.2	284	10	8.6	0	32.4	57
30/11/2022 13:40	5.8	289	10	8	0	32	58
30/11/2022 13:50	4.6	308	15	6.8	0	33	54
30/11/2022 14:00	5.8	321	12	7.8	0	31.9	57
30/11/2022 14:10	5.8	310	10	7.9	0	31.8	53
30/11/2022 14:20	5.8	310	10	7.9	0	31.9	52
30/11/2022 14:30	6.2	310	8	8.3	0	31.9	52
30/11/2022 14:40	5.9	312	8	8.3	0	31.4	55
30/11/2022 14:50	6	313	9	7.7	0	31.9	51
30/11/2022 15:00	6.4	312	9	8.3	0	31.5	54
30/11/2022 15:10	6.3	309	7	8.3	0	31.2	57
30/11/2022 15:20	6.9	313	6	8.5	0	30.9	61
30/11/2022 15:30	5.7	297	13	8.7	0	31.6	59
30/11/2022 15:40	6.6	291	8	8.4	0	31	62
30/11/2022 15:50	6.3	296	10	8	0	30.6	65
30/11/2022 16:00	6	292	9	8.3	0	30.8	65
30/11/2022 16:10	6.2	299	11	8.3	0	30.6	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/11/2022 16:20	6.2	290	8	7.9	0	30.5	65
30/11/2022 16:30	5.8	296	10	7.9	0	30.7	65
30/11/2022 16:40	6.1	286	8	8	0	30.5	66
30/11/2022 16:50	6.3	287	6	8	0	30.2	67
30/11/2022 17:00	6.4	290	7	8.4	0	30	68
30/11/2022 17:10	6.2	289	8	8.1	0	29.8	69
30/11/2022 17:20	5.5	287	7	7.7	0	29.7	70
30/11/2022 17:30	6.4	287	7	8.3	0	29.3	69
30/11/2022 17:40	6.3	286	7	8.2	0	29.2	68
30/11/2022 17:50	6.7	289	7	9.1	0	28.9	67
30/11/2022 18:00	6.6	289	7	8.9	0	28.7	69
30/11/2022 18:10	6.8	290	7	8.9	0	28.4	71
30/11/2022 18:20	6.7	289	5	8.7	0	28.1	72
30/11/2022 18:30	7.3	292	7	9.3	0	27.7	73
30/11/2022 18:40	6.7	291	8	8.9	0	27.5	72
30/11/2022 18:50	7	290	6	9.3	0	27.3	71
30/11/2022 19:00	6.9	291	7	8.7	0	27.3	72
30/11/2022 19:10	6.8	287	5	9.2	0	27.2	71
30/11/2022 19:20	6.7	288	6	9	0	27.3	71
30/11/2022 19:30	7.3	279	6	9.3	0	27.3	74
30/11/2022 19:40	6.7	273	8	8.6	0	27.1	75
30/11/2022 19:50	7.2	274	6	10.3	0	26.9	74
30/11/2022 20:00	6.9	275	6	8.8	0	26.8	77
30/11/2022 20:10	6	277	7	8.2	0	26.7	78
30/11/2022 20:20	6.7	275	6	8.6	0	26.7	78
30/11/2022 20:30	6.9	275	6	8.7	0	26.6	78
30/11/2022 20:40	6.5	277	6	8.7	0	26.6	78
30/11/2022 20:50	6.7	278	6	8.3	0	26.6	77
30/11/2022 21:00	6.9	275	6	8.8	0	26.6	77
30/11/2022 21:10	5.8	273	8	7.5	0	26.7	77
30/11/2022 21:20	6	269	8	7.4	0	26.7	77
30/11/2022 21:30	5.3	276	7	7.1	0	26.7	77
30/11/2022 21:40	5	270	7	6.8	0	26.7	77
30/11/2022 21:50	4.2	263	7	6.2	0	26.7	77
30/11/2022 22:00	4.7	262	8	6.6	0	26.8	76
30/11/2022 22:10	4.4	262	9	5.8	0	26.9	76
30/11/2022 22:20	4.5	260	7	6.1	0	26.8	77
30/11/2022 22:30	4.1	263	7	5.8	0	26.8	77
30/11/2022 22:40	4.9	266	7	6.6	0	26.8	77
30/11/2022 22:50	4.6	264	9	6.6	0	26.8	77
30/11/2022 23:00	4.6	266	7	6.5	0	26.8	77
30/11/2022 23:10	4.9	269	7	6.8	0	26.7	77
30/11/2022 23:20	5.6	271	7	7.6	0	26.7	77
30/11/2022 23:30	5.7	269	6	7.4	0	26.6	77
30/11/2022 23:40	5.6	267	6	7.5	0	26.6	77
30/11/2022 23:50	5.4	266	6	7.4	0	26.6	77
01/12/2022 00:00	5.6	266	7	7.7	0	26.7	76
2/01/2022 00:20	4.9	260	9	6.6	0	26.7	77





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
2/01/2022 00:30	6	259	7	7.8	0	26.7	77
2/01/2022 00:40	6.3	261	6	7.8	0	26.7	77
2/01/2022 00:50	6.2	263	7	8.9	0	26.7	76
2/01/2022 01:00	5.6	262	7	7.6	0	26.7	76
2/01/2022 01:10	5.9	264	7	7.7	0	26.7	76
2/01/2022 01:20	5.9	261	6	8.1	0	26.7	76
2/01/2022 01:30	5.9	258	8	8.2	0	26.6	76
2/01/2022 01:40	5	255	7	7.4	0	26.7	75
2/01/2022 01:50	5.1	255	8	6.9	0	26.6	75
2/01/2022 02:00	4.6	253	8	6.5	0	26.7	75
2/01/2022 02:10	5.3	250	8	7	0	26.7	75
2/01/2022 02:20	4.3	251	8	6.3	0	26.7	75
2/01/2022 02:30	5	257	7	7	0	26.6	73
2/01/2022 02:40	4.5	251	9	6.9	0	26.8	70
2/01/2022 02:50	4.3	259	6	6	0	26.8	69
2/01/2022 03:00	4.3	255	6	5.5	0	26.7	69
2/01/2022 03:10	3.6	254	8	4.7	0	26.6	70
2/01/2022 03:20	3.8	256	8	5	0	26.6	71
2/01/2022 03:30	3.8	255	7	5.8	0	26.6	72
2/01/2022 03:40	4.1	258	9	6	0	26.5	72
2/01/2022 03:50	3.9	258	7	5.3	0	26.5	72
2/01/2022 04:00	4.5	262	6	5.8	0	26.4	72
2/01/2022 04:10	5.3	263	6	7.1	0	26.4	72
12/01/2022 04:20	5.2	261	7	6.9	0	26.4	72
12/01/2022 04:30	4.8	258	6	6.6	0	26.3	72
12/01/2022 04:40	4.1	257	6	5.9	0	26.1	73
12/01/2022 04:50	4.7	260	7	6.2	0	26.1	73
12/01/2022 05:00	4.5	260	7	6.1	0	26.1	73
12/01/2022 05:10	4.4	265	6	5.7	0	26.1	74
12/01/2022 05:20	4.1	262	4	5.7	0	26.1	74
12/01/2022 05:30	3.9	257	6	4.9	0	26.1	75
12/01/2022 05:40	3.2	265	5	4.2	0	26.2	76
12/01/2022 05:50	3.6	273	7	4.9	0	26.4	76
12/01/2022 06:00	4.8	265	6	5.9	0	26.7	75
12/01/2022 06:10	4	263	8	5.4	0	27.1	75
12/01/2022 06:20	4.4	271	6	5.7	0	27.3	74
12/01/2022 06:30	5.2	269	6	6.7	0	27.5	73
12/01/2022 06:40	4	261	8	5.8	0	27.6	73
12/01/2022 06:50	3.7	263	9	5	0	27.6	74
12/01/2022 07:00	3.2	272	9	4.3	0	27.6	74
12/01/2022 07:10	3.8	278	10	5.1	0	27.9	73
12/01/2022 07:20	4.4	274	10	5.4	0	28.2	71
12/01/2022 07:30	4.8	267	10	6.5	0	28.7	69
12/01/2022 07:40	4.7	270	9	6.4	0	29.3	68
12/01/2022 07:50	5.1	264	13	6.9	0	29.6	66
12/01/2022 08:00	5.7	267	7	6.9	0	29.5	66
12/01/2022 08:10	5.5	271	9	6.8	0	29.8	64
12/01/2022 08:20	5.4	279	9	6.5	0	30.1	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/01/2022 08:30	5	287	9	6.5	0	30.5	61
12/01/2022 08:40	5.1	286	8	6.6	0	30.5	60
12/01/2022 08:50	4.9	286	10	6.3	0	31	60
12/01/2022 09:00	4.6	288	9	6.1	0	31.5	57
12/01/2022 09:10	4.3	283	10	5.7	0	31.5	57
12/01/2022 09:20	4.6	278	9	6.1	0	31.5	58
12/01/2022 09:30	5.1	283	8	6.3	0	32	56
12/01/2022 09:40	5.1	284	9	6.8	0	32.5	54
12/01/2022 09:50	4.8	290	8	6.1	0	32.8	53
12/01/2022 10:00	4.8	312	12	6.2	0	33	53
12/01/2022 10:10	5	316	6	6.6	0	32.3	52
12/01/2022 10:20	4.4	289	12	6	0	33.4	48
12/01/2022 10:30	4.2	293	14	5.7	0	33.7	45
12/01/2022 10:40	5.4	289	9	7.2	0	33.9	43
12/01/2022 10:50	5.5	288	11	7.4	0	33.7	44
12/01/2022 11:00	5.3	293	12	7	0	33.6	46
12/01/2022 11:10	5.4	289	8	7.1	0	33.6	47
12/01/2022 11:20	5.4	294	9	6.8	0	33.9	44
12/01/2022 11:30	5.7	296	10	7.5	0	34.1	43
12/01/2022 11:40	5.4	282	12	7.4	0	34.4	43
12/01/2022 11:50	5.8	274	11	7.6	0	34.8	41
12/01/2022 12:00	6.1	269	11	8.5	0	34.6	41
12/01/2022 12:10	6.9	272	9	8.8	0	33.9	42
12/01/2022 12:20	6.7	279	10	8.7	0	33.5	46
12/01/2022 12:30	6.6	274	9	8.8	0	33.5	46
12/01/2022 12:40	7.2	276	7	9.2	0	33.5	46
12/01/2022 12:50	7.2	262	6	9.1	0	32.8	50
12/01/2022 13:00	7.2	270	8	9	0	32.7	49
12/01/2022 13:10	7.9	278	7	10.2	0	32.6	47
12/01/2022 13:20	8	274	6	10.3	0	33	46
12/01/2022 13:30	6.4	288	13	8.7	0	33.1	51
12/01/2022 13:40	6.5	303	12	10.3	0	32.2	59
12/01/2022 13:50	7.2	289	9	9.8	0	31.6	59
12/01/2022 14:00	7.1	288	9	10.1	0	32	58
12/01/2022 14:10	7.1	296	9	9.2	0	32.3	55
12/01/2022 14:20	7.6	301	7	9.6	0	32.1	53
12/01/2022 14:30	6.9	301	8	9.4	0	32.4	51
12/01/2022 14:40	7.3	292	8	9.3	0	32.3	51
12/01/2022 14:50	7	288	8	9.3	0	32.7	52
12/01/2022 15:00	6.9	292	9	9.1	0	32.3	54
12/01/2022 15:10	7.1	296	7	9.1	0	32.2	54
12/01/2022 15:20	6.8	294	9	9.2	0	32.3	54
12/01/2022 15:30	6.8	290	8	9	0	32.5	53
12/01/2022 15:40	6.9	295	7	8.7	0	32.1	54
12/01/2022 15:50	6.8	295	8	8.7	0	31.9	55
12/01/2022 16:00	6.6	293	7	8.6	0	32	55
12/01/2022 16:10	6.7	289	7	8.8	0	32	55
12/01/2022 16:20	7.1	292	7	9	0	31.7	56



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/01/2022 16:30	7.2	294	6	9.2	0	31.4	57
12/01/2022 16:40	7.2	294	7	9.4	0	31.4	58
12/01/2022 16:50	7.6	300	6	9.3	0	30.7	62
12/01/2022 17:00	7.3	298	7	9.5	0	30.6	63
12/01/2022 17:10	6.6	297	8	9	0	30.8	63
12/01/2022 17:20	6.5	292	8	9	0	30.8	62
12/01/2022 17:30	6.5	282	10	9.4	0	30.9	61
12/01/2022 17:40	7.3	273	7	9.4	0	30.6	61
12/01/2022 17:50	7	266	7	9.5	0	30.1	64
12/01/2022 18:00	8.5	268	6	10.9	0	29.6	65
12/01/2022 18:10	7.9	267	8	10.9	0	29.1	69
12/01/2022 18:20	8	275	6	10.3	0	28.6	71
12/01/2022 18:30	7.5	280	7	10.2	0	28.3	72
12/01/2022 18:40	8.2	278	7	11.2	0	28	72
12/01/2022 18:50	7.9	277	7	11	0	27.9	73
12/01/2022 19:00	7.9	277	7	9.9	0	27.7	74
12/01/2022 19:10	7.5	276	7	9.9	0	27.6	75
12/01/2022 19:20	6.1	271	9	8.9	0	27.7	75
12/01/2022 19:30	7.4	273	8	10.2	0	27.5	75
12/01/2022 19:40	6.7	272	7	8.8	0	27.5	75
12/01/2022 19:50	6.6	271	7	9.2	0	27.5	75
12/01/2022 20:00	7.1	268	6	9.3	0	27.4	75
12/01/2022 20:10	6	270	8	8.2	0	27.4	76
12/01/2022 20:20	6.6	267	7	8.8	0	27.5	75
12/01/2022 20:30	6.5	273	7	8.6	0	27.4	76
12/01/2022 20:40	6	273	8	8.2	0	27.4	76
12/01/2022 20:50	7	272	7	9.3	0	27.4	76
12/01/2022 21:00	7.1	269	7	9.4	0	27.5	74
12/01/2022 21:10	6.3	269	7	9.4	0	27.5	74
12/01/2022 21:20	6.7	270	7	9.1	0	27.5	73
12/01/2022 21:30	6.4	270	6	9.3	0	27.4	72
12/01/2022 21:40	6.5	272	6	8.8	0	27.4	72
12/01/2022 21:50	6.8	270	7	9.3	0	27.4	71
12/01/2022 22:00	5.9	270	7	8.1	0	27.4	72
12/01/2022 22:10	6.2	270	8	8.8	0	27.3	72
12/01/2022 22:20	5.7	267	7	7.6	0	27.3	73
12/01/2022 22:30	5.7	265	6	8	0	27.2	74
12/01/2022 22:40	6.4	265	6	8.7	0	27.2	75
12/01/2022 22:50	6.3	265	7	8.3	0	27.2	75
12/01/2022 23:00	6.7	268	6	8.8	0	27.1	76
12/01/2022 23:10	6.4	265	7	9.5	0	27.1	76
12/01/2022 23:20	6.7	262	7	9	0	27.1	76
12/01/2022 23:30	6.4	263	7	8.7	0	27.1	76
12/01/2022 23:40	6.9	262	7	9.1	0	27	76
12/01/2022 23:50	7	259	7	9.3	0	27	76
12/02/2022 00:00	6.1	260	6	8	0	26.9	76
12/02/2022 00:10	6.6	261	6	9.2	0	26.8	76
12/02/2022 00:20	5.5	259	6	7.6	0	26.8	76



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/02/2022 00:30	4.6	254	6	6.1	0	26.7	77
12/02/2022 00:40	4.6	253	7	6.2	0	26.6	76
12/02/2022 00:50	4.3	260	6	5.8	0	26.4	77
12/02/2022 01:00	3.8	254	7	5.3	0	26.3	77
12/02/2022 01:10	3.4	249	7	4.4	0	26.2	77
12/02/2022 01:20	3.8	245	9	5.3	0	26.4	76
12/02/2022 01:30	4	253	7	5.1	0	26.1	76
12/02/2022 01:40	3.9	245	8	4.9	0	26.2	76
12/02/2022 01:50	4	257	7	5.2	0	26.1	75
12/02/2022 02:00	3.8	261	6	5.4	0	26.1	75
12/02/2022 02:10	4	262	6	5.6	0	26.2	75
12/02/2022 02:20	4.2	271	8	6.2	0	26.4	74
12/02/2022 02:30	4.9	264	6	6.8	0	26.6	74
12/02/2022 02:40	3.9	257	6	5.3	0	26.6	74
12/02/2022 02:50	3.5	252	8	4.9	0	26.5	75
12/02/2022 03:00	3.8	251	7	5.5	0	26.6	76
12/02/2022 03:10	4.1	254	9	5.8	0	26.6	76
12/02/2022 03:20	4.8	256	7	6.9	0	26.7	77
12/02/2022 03:30	4.3	259	6	5.7	0	26.6	77
12/02/2022 03:40	4.4	258	7	6.1	0	26.6	77
12/02/2022 03:50	3.5	253	8	4.6	0	26.5	78
12/02/2022 04:00	3.5	249	8	4.5	0	26.2	78
12/02/2022 04:10	3.4	256	8	4.5	0	26	78
12/02/2022 04:20	3.9	256	6	5.1	0	25.8	78
12/02/2022 04:30	3.6	252	8	5.2	0	25.9	78
12/02/2022 04:40	4	253	8	5.5	0	25.8	77
12/02/2022 04:50	4.4	255	8	6.2	0	25.9	77
12/02/2022 05:00	4.4	256	6	5.8	0	25.9	77
12/02/2022 05:10	4.4	259	6	6.3	0	25.9	77
12/02/2022 05:20	4.2	257	7	5.9	0	25.9	77
12/02/2022 05:30	4.6	262	5	6.3	0	26	77
12/02/2022 05:40	5.2	266	6	7.2	0	26.1	76
12/02/2022 05:50	5.6	264	6	7.5	0	26.2	75
12/02/2022 06:00	5.6	263	7	7.9	0	26.4	74
12/02/2022 06:10	5.6	263	6	7.3	0	26.5	74
12/02/2022 06:20	4.5	261	8	6.5	0	26.9	72
12/02/2022 06:30	4.8	258	7	6.3	0	27.3	70
12/02/2022 06:40	5.6	262	8	7.1	0	27.5	67
12/02/2022 06:50	6.4	265	7	8.6	0	27.7	66
12/02/2022 07:00	6.2	267	7	8.4	0	27.5	66
12/02/2022 07:10	6.2	268	6	7.9	0	27.7	65
12/02/2022 07:20	6.2	268	6	8.1	0	28.3	62
12/02/2022 07:30	6.7	279	6	8.9	0	28.8	62
12/02/2022 07:40	7	277	6	8.8	0	28.8	62
12/02/2022 07:50	7.4	277	6	9.5	0	28.8	62
12/02/2022 08:00	7.2	278	6	9.5	0	28.4	64
12/02/2022 08:10	7	279	7	9.1	0	28.7	63
12/02/2022 08:20	7.9	277	8	9.7	0	28.8	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/02/2022 08:30	8.1	276	6	10	0	29.1	61
12/02/2022 08:40	7.9	277	7	9.8	0	29.2	61
12/02/2022 08:50	7.9	275	7	10	0	29.4	60
12/02/2022 09:00	8.6	279	7	10.7	0	29.5	59
12/02/2022 09:10	8.4	280	7	10.5	0	29.6	60
12/02/2022 09:20	8.5	282	7	10.7	0	29.6	60
12/02/2022 09:30	9	283	6	11.3	0	29.4	60
12/02/2022 09:40	8.4	275	8	10.6	0	30.1	59
12/02/2022 09:50	8.4	282	7	10.8	0	29.8	60
12/02/2022 10:00	8.6	278	8	10.9	0	29.8	60
12/02/2022 10:10	7.6	279	9	9.9	0	29.9	64
12/02/2022 10:20	7.9	275	9	10.7	0	30	64
12/02/2022 10:30	8.1	276	8	10.6	0	30	64
12/02/2022 10:40	8.2	275	8	10.7	0	30.2	63
12/02/2022 10:50	8.1	271	7	9.9	0	30.1	62
12/02/2022 11:00	7.2	266	8	9.7	0	30.5	62
12/02/2022 11:10	7.1	277	10	9.5	0	30.6	62
12/02/2022 11:20	8.1	272	7	10.1	0	30.7	60
12/02/2022 11:30	7.6	273	9	9.4	0	31	60
12/02/2022 11:40	7.3	267	9	8.9	0	30.8	62
12/02/2022 11:50	6.9	262	10	8.8	0	31.1	60
12/02/2022 12:00	7.9	263	7	10.2	0	31.5	58
12/02/2022 12:10	8	268	7	10	0	31.2	59
12/02/2022 12:20	8.7	268	6	10.9	0	31.5	57
12/02/2022 12:30	8.5	271	7	10.9	0	31.7	55
12/02/2022 12:40	8.1	270	8	10	0	32	57
12/02/2022 12:50	8.4	272	6	10.7	0	31.8	57
12/02/2022 13:00	8.4	275	8	10.7	0	31.9	57
12/02/2022 13:10	8.6	275	7	10.7	0	31.8	56
12/02/2022 13:20	8.7	275	7	10.8	0	32	55
12/02/2022 13:30	8.7	271	8	11.9	0	32.3	51
12/02/2022 13:40	9.5	269	8	12.7	0	32.5	47
12/02/2022 13:50	9.7	274	8	13.1	0	32	49
12/02/2022 14:00	10	274	7	13.1	0	31.8	49
12/02/2022 14:10	9.5	274	6	13.1	0	32	48
12/02/2022 14:20	8.9	270	7	11.1	0	31.8	50
12/02/2022 14:30	8.9	268	7	11.4	0	31.9	51
12/02/2022 14:40	8.8	273	8	11.3	0	32	49
12/02/2022 14:50	10	273	6	12.7	0	32.2	47
12/02/2022 15:00	9.5	273	8	12.1	0	32	51
12/02/2022 15:10	9.5	274	6	12.5	0	31.8	53
12/02/2022 15:20	9.3	270	6	11.8	0	31.2	57
12/02/2022 15:30	9.4	278	8	12.1	0	31.2	58
12/02/2022 15:40	8.9	272	8	12	0	31.2	59
12/02/2022 15:50	9.5	268	6	12.5	0	31	60
12/02/2022 16:00	9.8	272	6	12.6	0	30.8	61
12/02/2022 16:10	9.5	272	6	12.3	0	30.6	62
12/02/2022 16:20	8.9	272	7	11.4	0	31	62



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/02/2022 16:30	8.9	269	7	11.5	0	30.9	63
12/02/2022 16:40	9.5	267	5	12.3	0	30.4	65
12/02/2022 16:50	8.9	269	7	11.5	0	30.3	65
12/02/2022 17:00	8.7	270	7	11.1	0	30	67
12/02/2022 17:10	8.3	268	6	11.1	0	29.8	68
12/02/2022 17:20	8.1	268	7	10.7	0	29.6	68
12/02/2022 17:30	7.5	268	8	9.9	0	29.5	69
12/02/2022 17:40	8.4	268	6	10.5	0	29.2	70
12/02/2022 17:50	7.9	270	6	10.1	0	28.9	71
12/02/2022 18:00	8.2	268	5	10.1	0	28.7	71
12/02/2022 18:10	8.1	268	7	10.5	0	28.5	72
12/02/2022 18:20	8.2	267	6	11.2	0	28.1	73
12/02/2022 18:30	8.2	270	7	11.1	0	27.8	74
12/02/2022 18:40	8.1	271	5	10.5	0	27.5	74
12/02/2022 18:50	8.8	278	6	11.1	0	27.4	73
12/02/2022 19:00	7.8	276	7	10.7	0	27.4	72
12/02/2022 19:10	8.1	278	6	11.8	0	27.4	70
12/02/2022 19:20	8.7	273	6	12	0	27.5	69
12/02/2022 19:30	8.1	276	7	11.1	0	27.5	67
12/02/2022 19:40	8.3	277	7	10.9	0	27.6	67
12/02/2022 19:50	7.9	277	6	10.9	0	27.7	65
12/02/2022 20:00	8	276	6	10.7	0	27.8	64
12/02/2022 20:10	8.3	277	6	10.7	0	27.8	66
12/02/2022 20:20	7.8	276	6	10.7	0	27.6	69
12/02/2022 20:30	7.3	276	6	9.4	0	27.6	71
12/02/2022 20:40	7.7	277	7	10	0	27.5	72
12/02/2022 20:50	7.8	278	5	10.3	0	27.4	73
12/02/2022 21:00	7.8	278	5	10	0	27.3	74
12/02/2022 21:10	7.7	277	6	10.3	0	27.2	74
12/02/2022 21:20	7.5	275	7	10.2	0	27.2	74
12/02/2022 21:30	7.7	276	6	10	0	27.1	74
12/02/2022 21:40	6.6	273	8	10.1	0	27.1	74
12/02/2022 21:50	7.4	274	6	10.1	0	27.1	73
12/02/2022 22:00	7.7	277	5	9.9	0	27.2	72
12/02/2022 22:10	7.4	276	6	9.7	0	27.2	71
12/02/2022 22:20	7.2	268	8	9.2	0	27.2	71
12/02/2022 22:30	6.9	270	7	10.2	0	27.2	72
12/02/2022 22:40	7.2	271	6	9.8	0	27.1	74
12/02/2022 22:50	6.2	269	7	9.2	0	27.1	75
12/02/2022 23:00	6.7	268	7	9.4	0	27.1	75
12/02/2022 23:10	6.5	261	7	9.6	0	27.2	75
12/02/2022 23:20	7.2	260	6	10.6	0	27.2	74
12/02/2022 23:30	7.7	264	7	9.9	0	27.1	75
12/02/2022 23:40	7.8	265	6	10.1	0	27.1	75
12/02/2022 23:50	8.5	265	6	11.1	0	27	75
12/03/2022 00:00	8.2	265	6	10.3	0	27	74
12/03/2022 00:10	7	264	7	9.9	0	27	75
12/03/2022 00:20	7.4	263	6	9.8	0	27	75



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/03/2022 00:30	6.8	261	7	8.6	0	27	74
12/03/2022 00:40	6.6	262	6	9	0	26.9	74
12/03/2022 00:50	6.6	265	5	8.6	0	26.9	74
12/03/2022 01:00	5	262	7	6.8	0	26.9	74
12/03/2022 01:10	5	258	8	7	0	26.8	74
12/03/2022 01:20	4.9	259	6	6.7	0	26.7	72
12/03/2022 01:30	5	262	8	7.1	0	26.7	72
12/03/2022 01:40	4.9	261	7	6.6	0	26.5	72
12/03/2022 01:50	4.6	256	8	6.4	0	26.5	72
12/03/2022 02:00	4.7	261	7	6.3	0	26.4	72
12/03/2022 02:10	4.3	257	7	6	0	26.4	72
12/03/2022 02:20	4.7	256	6	6.5	0	26.3	71
12/03/2022 02:30	4	256	8	5.8	0	26.2	71
12/03/2022 02:40	4.9	260	6	6.7	0	26.3	71
12/03/2022 02:50	4.1	260	7	5.6	0	26.2	70
12/03/2022 03:00	4.3	266	6	5.7	0	26.1	70
12/03/2022 03:10	3.9	268	5	5.5	0	26.1	70
12/03/2022 03:20	3.7	275	6	5.1	0	25.9	70
12/03/2022 03:30	4	277	6	5.2	0	26	69
12/03/2022 03:40	4.5	272	6	6.3	0	26.1	69
12/03/2022 03:50	5.1	261	6	6.9	0	26.1	67
12/03/2022 04:00	4.2	265	5	5.4	0	26	69
12/03/2022 04:10	5	272	5	6.4	0	26.1	68
12/03/2022 04:20	6.2	269	5	7.9	0	26.3	65
12/03/2022 04:30	5.5	269	5	6.9	0	26.6	66
12/03/2022 04:40	5.9	267	5	7.6	0	26.7	67
12/03/2022 04:50	5.7	267	5	7.2	0	26.6	67
12/03/2022 05:00	5.9	269	5	7.6	0	26.7	66
12/03/2022 05:10	5.7	266	6	7.4	0	26.7	67
12/03/2022 05:20	5.2	268	5	6.6	0	26.6	69
12/03/2022 05:30	5.8	269	5	7.3	0	26.5	68
12/03/2022 05:40	6	270	5	7.8	0	26.5	67
12/03/2022 05:50	5.4	267	5	7.2	0	26.7	67
12/03/2022 06:00	5.4	267	6	7	0	26.8	65
12/03/2022 06:10	5.3	266	7	7.3	0	27.2	64
12/03/2022 06:20	6.2	265	6	8.2	0	27.4	64
12/03/2022 06:30	6	264	7	7.8	0	27.7	63
12/03/2022 06:40	6.1	271	6	7.9	0	28.1	62
12/03/2022 06:50	6	262	7	7.3	0	28.2	62
12/03/2022 07:00	6	258	8	7.9	0	28.5	61
12/03/2022 07:10	6.1	264	7	8	0	28.7	61
12/03/2022 07:20	6.3	266	5	7.7	0	28.7	60
12/03/2022 07:30	6.5	265	5	8.3	0	28.5	61
12/03/2022 07:40	6.7	271	6	8.4	0	29.2	59
12/03/2022 07:50	6.8	268	6	8.7	0	29.5	57
12/03/2022 08:00	6.3	268	10	8.3	0	29.9	57
12/03/2022 08:10	6.4	267	8	8.3	0	29.9	57
12/03/2022 08:20	6.9	270	7	8.7	0	29.8	57



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/03/2022 08:30	6.7	264	7	9.2	0	30	56
12/03/2022 08:40	7	270	8	9.1	0	30.5	53
12/03/2022 08:50	6.7	264	7	8.4	0	30.7	53
12/03/2022 09:00	6.8	274	10	8.6	0	30.6	54
12/03/2022 09:10	6.4	277	11	8.7	0	30.9	54
12/03/2022 09:20	7.2	270	8	8.9	0	30.8	55
12/03/2022 09:30	6.8	275	10	8.8	0	31.1	55
12/03/2022 09:40	6.6	277	10	8.8	0	31.3	53
12/03/2022 09:50	7	280	11	9.3	0	31.4	55
12/03/2022 10:00	7.2	281	8	9.7	0	31.3	56
12/03/2022 10:10	7.6	279	7	9.5	0	31.2	57
12/03/2022 10:20	7.3	283	8	9.5	0	31.1	59
12/03/2022 10:30	7.4	280	6	9.1	0	31.1	59
12/03/2022 10:40	7.3	279	7	9.2	0	31.3	58
12/03/2022 10:50	7.1	276	9	9	0	31.4	57
12/03/2022 11:00	7.5	275	6	9.1	0	31.3	58
12/03/2022 11:10	7.8	275	7	9.9	0	31.6	55
12/03/2022 11:20	8.3	277	6	10.2	0	31.5	54
12/03/2022 11:30	7.5	271	8	9.6	0	32.1	54
12/03/2022 11:40	7.4	269	8	9.6	0	32.4	52
12/03/2022 11:50	7.8	272	7	9.9	0	32.3	52
12/03/2022 12:00	7.3	268	8	9.9	0	32.4	54
12/03/2022 12:10	7.9	269	7	10.2	0	32.4	53
12/03/2022 12:20	8.2	271	8	10.6	0	32.2	55
12/03/2022 12:30	8.2	268	7	10.6	0	32.1	53
12/03/2022 12:40	8.4	269	8	10.8	0	32.8	49
12/03/2022 12:50	8.2	269	9	11.4	0	33.3	47
12/03/2022 13:00	9.3	270	6	11.8	0	33	46
12/03/2022 13:10	8.5	270	7	11.4	0	33	47
12/03/2022 13:20	8.6	269	7	11.1	0	33.3	45
12/03/2022 13:30	9	274	7	11.6	0	32.7	47
12/03/2022 13:40	8.9	271	7	11.7	0	32.9	46
12/03/2022 13:50	9	270	8	11.7	0	32.7	47
12/03/2022 14:00	9.3	271	7	11.9	0	32.6	47
12/03/2022 14:10	9.4	271	7	11.9	0	32.9	46
12/03/2022 14:20	8.4	273	9	12.1	0	32.8	48
12/03/2022 14:30	8.8	270	8	12.4	0	33.2	45
12/03/2022 14:40	9.8	267	5	12	0	33.1	44
12/03/2022 14:50	9.3	264	6	11.1	0	32.7	48
12/03/2022 15:00	8.1	265	8	10.4	0	32.7	50
12/03/2022 15:10	8.7	268	6	11.1	0	32.8	47
12/03/2022 15:20	10.5	268	5	12.4	0	32.3	44
12/03/2022 15:30	10.3	269	5	12.8	0	32.2	43
12/03/2022 15:40	9.6	273	8	12.3	0	32.4	44
12/03/2022 15:50	10.3	273	7	13	0	31.7	47
12/03/2022 16:00	9.8	272	7	12.4	0	31.5	51
12/03/2022 16:10	9.7	276	7	12.3	0	31.1	53
12/03/2022 16:20	9.1	276	9	12.4	0	31	53





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/03/2022 16:30	9.2	273	8	12.1	0	31	52
12/03/2022 16:40	8.4	263	7	11.2	0	30.9	53
12/03/2022 16:50	9.3	270	8	13.1	0	30.6	54
12/03/2022 17:00	10.1	272	6	12.8	0	30	57
12/03/2022 17:10	9.4	271	8	12.1	0	29.9	58
12/03/2022 17:20	9.2	274	7	12	0	29.7	60
12/03/2022 17:30	9.1	275	6	11.7	0	29.5	61
12/03/2022 17:40	9.1	276	6	12	0	29.2	62
12/03/2022 17:50	8.7	274	6	11.3	0	29	64
12/03/2022 18:00	8.1	273	9	10.7	0	28.9	66
12/03/2022 18:10	8	273	7	10.4	0	28.6	67
12/03/2022 18:20	8.8	268	7	11.8	0	28.5	66
12/03/2022 18:30	8.5	267	7	12.1	0	28.3	66
12/03/2022 18:40	7.7	269	7	10.4	0	28.1	67
12/03/2022 18:50	8.1	268	7	11.1	0	27.9	68
12/03/2022 19:00	8.3	268	5	10.6	0	27.8	69
12/03/2022 19:10	8.2	271	6	11.4	0	27.8	70
12/03/2022 19:20	7.6	273	7	10	0	27.9	71
12/03/2022 19:30	7.8	273	8	11.1	0	27.8	71
12/03/2022 19:40	7.9	272	6	10.1	0	27.8	72
12/03/2022 19:50	7.5	273	6	10.3	0	27.7	73
12/03/2022 20:00	7.8	271	6	10.5	0	27.7	74
12/03/2022 20:10	8.2	272	6	10.6	0	27.6	74
12/03/2022 20:20	8.2	274	6	10.7	0	27.6	74
12/03/2022 20:30	7.7	270	6	10.6	0	27.5	75
12/03/2022 20:40	8.4	268	6	10.5	0	27.5	75
12/03/2022 20:50	7.9	267	7	11	0	27.4	75
12/03/2022 21:00	8.1	268	6	10.3	0	27.4	75
12/03/2022 21:10	7.8	267	6	10.8	0	27.4	75
12/03/2022 21:20	8.5	267	6	10.7	0	27.4	75
12/03/2022 21:30	7.7	269	6	10.1	0	27.4	75
12/03/2022 21:40	8	269	6	9.7	0	27.3	75
12/03/2022 21:50	7.5	270	6	10.6	0	27.3	75
12/03/2022 22:00	7.5	269	7	9.8	0	27.3	76
12/03/2022 22:10	7.5	271	5	9.5	0	27.2	76
12/03/2022 22:20	8	272	6	10.4	0	27.2	76
12/03/2022 22:30	7.8	269	6	10.1	0	27.2	75
12/03/2022 22:40	7.8	269	6	10.4	0	27.3	75
12/03/2022 22:50	7.6	265	6	9.9	0	27.3	75
12/03/2022 23:00	7.9	265	6	10.1	0	27.4	75
12/03/2022 23:10	7.3	267	7	9.4	0	27.4	75
12/03/2022 23:20	7.6	266	6	9.9	0	27.4	696
12/03/2022 23:30	8	268	6	10.3	0	27.4	74
12/03/2022 23:40	7.7	266	6	10.4	0	27.5	74
12/03/2022 23:50	7.9	269	5	10.1	0	27.5	74
12/04/2022 00:00	7.4	268	6	9.7	0	27.5	74
12/04/2022 00:10	7.5	267	6	9.4	0	27.5	74
12/04/2022 00:20	7.5	266	6	9.5	0	27.4	74



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/04/2022 00:30	7.1	266	7	9.2	0	27.4	74
12/04/2022 00:40	7.2	263	6	9.1	0	27.4	74
12/04/2022 00:50	7.2	261	7	9.7	0	27.3	75
12/04/2022 01:00	7.6	263	6	9.3	0	27.3	75
12/04/2022 01:10	7.4	262	6	10.1	0	27.3	75
12/04/2022 01:20	6.6	261	7	8.5	0	27.2	75
12/04/2022 01:30	6.3	261	6	8.3	0	27.2	76
12/04/2022 01:40	5.8	267	6	7.6	0	27.1	76
12/04/2022 01:50	5.6	262	7	7.3	0	27.1	75
12/04/2022 02:00	5.5	258	7	7	0	27	74
12/04/2022 02:10	5.2	258	6	6.5	0	26.9	74
12/04/2022 02:20	5.7	260	7	7.7	0	26.9	71
12/04/2022 02:30	5	260	6	6.6	0	26.8	70
12/04/2022 02:40	5.3	261	6	6.8	0	26.6	70
12/04/2022 02:50	4.7	264	5	6.3	0	26.5	70
12/04/2022 03:00	5.5	260	5	7	0	26.3	69
12/04/2022 03:10	4.7	262	6	6.6	0	26.2	69
12/04/2022 03:20	5.2	265	5	6.6	0	26.1	69
12/04/2022 03:30	5.4	265	5	7	0	26.1	68
12/04/2022 03:40	5.2	263	6	6.6	0	25.9	68
12/04/2022 03:50	4.8	269	4	6.6	0	25.9	68
12/04/2022 04:00	4.3	271	5	5.7	0	25.6	68
12/04/2022 04:10	4.3	270	4	5.3	0	25.5	68
12/04/2022 04:20	4.3	272	3	5.3	0	25.5	68
12/04/2022 04:30	4.1	273	4	5.3	0	25.5	67
12/04/2022 04:40	4	276	5	4.8	0	25.5	67
12/04/2022 04:50	4.2	278	5	5.1	0	25.5	67
12/04/2022 05:00	4.3	283	5	5.5	0	25.4	67
12/04/2022 05:10	4.7	283	5	5.7	0	25.5	66
12/04/2022 05:20	4.7	281	4	5.9	0	25.5	66
12/04/2022 05:30	4.6	282	5	5.5	0	25.6	64
12/04/2022 05:40	5.1	280	4	5.9	0	25.7	64
12/04/2022 05:50	5.1	275	4	6	0	25.8	64
12/04/2022 06:00	4.8	270	4	6	0	26	64
12/04/2022 06:10	5	270	4	6.2	0	26.4	63
12/04/2022 06:20	5.2	267	4	6.4	0	26.7	61
12/04/2022 06:30	5	268	5	6.2	0	27.1	61
12/04/2022 06:40	5.1	270	4	6.3	0	27.4	60
12/04/2022 06:50	4.8	270	5	5.8	0	27.8	59
12/04/2022 07:00	4.7	262	7	6.3	0	28.5	54
12/04/2022 07:10	5.2	260	7	6.4	0	29.2	51
12/04/2022 07:20	5.2	270	6	6.2	0	29.6	49
12/04/2022 07:30	4.7	274	8	6.1	0	30.1	48
12/04/2022 07:40	4.6	272	6	5.7	0	30.6	48
12/04/2022 07:50	4.4	255	8	5.5	0	31.4	43
12/04/2022 08:00	4.5	263	8	5.7	0	32.1	41
12/04/2022 08:10	4.5	281	7	5.7	0	32	44
12/04/2022 08:20	4.1	280	10	5.4	0	32.1	44



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/04/2022 08:30	5.1	272	7	6.5	0	32.4	44
12/04/2022 08:40	5.1	284	8	6.4	0	32.2	48
12/04/2022 08:50	5.6	282	7	7.2	0	32	51
12/04/2022 09:00	5.9	283	7	7.3	0	31.5	53
12/04/2022 09:10	6.3	280	7	8	0	31.2	54
12/04/2022 09:20	6.6	283	6	8	0	31	55
12/04/2022 09:30	6.1	283	7	7.4	0	31.5	54
12/04/2022 09:40	5.9	279	8	7.2	0	32	52
12/04/2022 09:50	5.9	283	9	8	0	32	52
12/04/2022 10:00	6.2	282	8	7.9	0	32.3	51
12/04/2022 10:10	6.3	277	8	7.9	0	32.4	50
12/04/2022 10:20	7.1	272	9	8.8	0	32.3	51
12/04/2022 10:30	7	267	8	9.1	0	32.1	52
12/04/2022 10:40	7.4	265	7	9.7	0	32	51
12/04/2022 10:50	6.9	275	8	8.8	0	32.2	52
12/04/2022 11:00	6.5	274	9	8.3	0	32.8	53
12/04/2022 11:10	7.2	275	7	9.2	0	32.2	54
12/04/2022 11:20	7	279	7	9.1	0	32	55
12/04/2022 11:30	6.6	268	12	8.7	0	32.9	53
12/04/2022 11:40	7.5	276	5	9.2	0	32.5	53
12/04/2022 11:50	7.8	274	6	9.7	0	32.9	51
12/04/2022 12:00	7.9	279	8	10	0	33.2	51
12/04/2022 12:10	8.1	279	7	10.4	0	33	52
12/04/2022 12:20	8.5	278	7	10.9	0	32.9	51
12/04/2022 12:30	7.8	273	8	11.1	0	33.3	51
12/04/2022 12:40	8.1	271	6	9.9	0	33.3	50
12/04/2022 12:50	7.4	269	9	9.4	0	34.3	49
12/04/2022 13:00	7.5	270	8	9.8	0	34.2	48
12/04/2022 13:10	7.4	265	11	9.5	0	33.9	50
12/04/2022 13:20	8.6	263	7	11.8	0	33.3	51
12/04/2022 13:30	8.6	271	8	11.4	0	33.8	46
12/04/2022 13:40	9.3	268	8	12.6	0	34	44
12/04/2022 13:50	9.3	272	7	12.2	0	33.7	45
12/04/2022 14:00	9.6	272	6	11.9	0	33.4	47
12/04/2022 14:10	9.1	276	7	12.2	0	33.5	46
12/04/2022 14:20	9.4	273	6	12.2	0	33.7	45
12/04/2022 14:30	9.5	276	7	12.2	0	33.9	43
12/04/2022 14:40	9.8	272	6	12.9	0	33.5	43
12/04/2022 14:50	9.7	269	6	11.8	0	33.5	43
12/04/2022 15:00	10	274	6	12.2	0	33.4	45
12/04/2022 15:10	9.9	273	6	13	0	33	46
12/04/2022 15:20	9.7	277	6	12.2	0	32.7	50
12/04/2022 15:30	9.4	279	7	12.5	0	32.6	52
12/04/2022 15:40	10	277	6	13	0	31.9	53
12/04/2022 15:50	9.7	275	5	11.7	0	31.7	54
12/04/2022 16:00	9.7	275	6	12.7	0	31.8	54
12/04/2022 16:10	10.7	276	6	13.4	0	31.7	52
12/04/2022 16:20	10.4	278	7	13.7	0	32	50



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/04/2022 16:30	10.5	278	6	13.4	0	31.9	50
12/04/2022 16:40	10.2	276	6	13.4	0	31.9	50
12/04/2022 16:50	8.9	267	7	11.9	0	31.5	54
12/04/2022 17:00	8.5	254	8	11.4	0	30.9	59
12/04/2022 17:10	8.8	268	6	11.3	0	30.4	63
12/04/2022 17:20	8.9	274	7	11.2	0	30.5	61
12/04/2022 17:30	7.8	270	8	10.5	0	30.6	62
12/04/2022 17:40	7.5	265	7	10.1	0	30.4	63
12/04/2022 17:50	7.5	260	7	11.5	0	30.4	63
12/04/2022 18:00	7.5	261	8	11.2	0	30.4	61
12/04/2022 18:10	8.3	261	6	11.4	0	29.9	62
12/04/2022 18:20	7.4	267	7	10.1	0	29.8	63
12/04/2022 18:30	8	264	7	10.6	0	29.5	63
12/04/2022 18:40	7.9	264	7	10.7	0	29.3	64
12/04/2022 18:50	7.8	264	6	11	0	29.1	66
12/04/2022 19:00	8.6	263	7	11.3	0	29	65
12/04/2022 19:10	7.8	262	6	9.9	0	29	66
12/04/2022 19:20	7.4	263	7	9.6	0	28.9	67
12/04/2022 19:30	7.7	265	6	9.8	0	28.8	67
12/04/2022 19:40	6.9	263	6	9	0	28.8	68
12/04/2022 19:50	6.8	263	6	9.1	0	28.7	68
12/04/2022 20:00	6.9	264	7	9.1	0	28.7	68
12/04/2022 20:10	6.8	266	6	9.2	0	28.7	68
12/04/2022 20:20	7.4	263	6	9.5	0	28.7	66
12/04/2022 20:30	7.1	263	6	10.1	0	28.7	66
12/04/2022 20:40	7	261	6	9.9	0	28.7	66
12/04/2022 20:50	7.5	262	6	9.8	0	28.7	67
12/04/2022 21:00	6.7	263	6	8.9	0	28.7	67
12/04/2022 21:10	6.9	265	7	8.8	0	28.7	67
12/04/2022 21:20	7.4	265	5	9.2	0	28.7	68
12/04/2022 21:30	7.1	262	5	8.9	0	28.6	68
12/04/2022 21:40	7	261	6	9	0	28.6	68
12/04/2022 21:50	6.7	261	6	9.3	0	28.7	67
12/04/2022 22:00	6	259	6	8.1	0	28.6	69
12/04/2022 22:10	5.8	259	6	7.9	0	28.6	68
12/04/2022 22:20	6.5	260	6	8.6	0	28.7	64
12/04/2022 22:30	6.8	259	6	9.3	0	28.8	62
12/04/2022 22:40	6.7	260	5	8.7	0	28.8	61
12/04/2022 22:50	5.7	255	9	7.6	0	28.8	61
12/04/2022 23:00	5.2	257	7	7.6	0	28.6	60
12/04/2022 23:10	5.9	256	7	8	0	28.5	60
12/04/2022 23:20	5.8	261	7	7.8	0	28.4	60
12/04/2022 23:30	5.9	263	6	7.6	0	28.4	60
12/04/2022 23:40	5.8	262	6	7.3	0	28.3	61
12/04/2022 23:50	5.6	262	6	7.1	0	28.3	61
12/05/2022 00:00	5.2	264	7	6.8	0	28.3	61
12/05/2022 00:10	5.4	266	6	6.7	0	28.3	61
12/05/2022 00:20	5.1	267	6	7	0	28.1	61



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/05/2022 00:30	5.3	269	6	6.8	0	28.1	61
12/05/2022 00:40	4.8	267	6	5.8	0	28	61
12/05/2022 00:50	4.5	269	6	5.5	0	27.9	60
12/05/2022 01:00	4.2	269	6	5.2	0	27.8	61
12/05/2022 01:10	4.2	266	6	5.1	0	27.7	60
12/05/2022 01:20	4.1	264	7	5.2	0	27.7	59
12/05/2022 01:30	4.4	263	6	5.7	0	27.7	58
12/05/2022 01:40	4.6	260	5	5.6	0	28	56
12/05/2022 01:50	4.3	265	5	5	0	28	55
12/05/2022 02:00	4.3	272	6	5.3	0	27.8	56
12/05/2022 02:10	4.3	269	7	5.4	0	28	55
12/05/2022 02:20	3.9	265	9	5	0	28.1	54
12/05/2022 02:30	3.9	269	7	5.2	0	28.1	54
12/05/2022 02:40	4.1	272	5	5	0	28.2	53
12/05/2022 02:50	4.4	273	6	5.1	0	28.2	52
12/05/2022 03:00	4.6	273	6	5.8	0	28.3	51
12/05/2022 03:10	4.6	275	5	5.4	0	28.3	50
12/05/2022 03:20	4.8	273	5	5.5	0	28.3	50
12/05/2022 03:30	4.7	271	5	5.6	0	28.2	50
12/05/2022 03:40	4.2	276	6	5.2	0	28	52
12/05/2022 03:50	3.6	281	7	4.8	0	27.7	57
12/05/2022 04:00	3.7	276	5	4.9	0	27.5	57
12/05/2022 04:10	3.5	275	5	4.1	0	27.3	55
12/05/2022 04:20	3.7	279	5	4.7	0	27.4	54
12/05/2022 04:30	3.8	278	6	4.6	0	27.4	54
12/05/2022 04:40	3.9	280	5	5	0	27.3	54
12/05/2022 04:50	4.1	279	4	4.9	0	27.2	55
12/05/2022 05:00	4.2	284	4	4.9	0	27.1	56
12/05/2022 05:10	3.9	278	4	4.7	0	26.9	58
12/05/2022 05:20	3.9	273	3	4.5	0	26.7	58
12/05/2022 05:30	3.6	266	3	4.3	0	26.3	60
12/05/2022 05:40	3.4	267	2	3.9	0	26	61
12/05/2022 05:50	3.2	269	2	3.6	0	26	62
12/05/2022 06:00	3.1	268	5	3.7	0	26.6	62
12/05/2022 06:10	3	272	6	3.8	0	27.2	58
12/05/2022 06:20	3.3	274	6	4.3	0	27.9	55
12/05/2022 06:30	3	268	6	3.8	0	28.5	53
12/05/2022 06:40	2.8	267	8	3.8	0	29	51
12/05/2022 06:50	3.1	272	10	4	0	29.7	48
12/05/2022 07:00	2.7	267	19	4.2	0	30.7	44
12/05/2022 07:10	2.3	252	20	3.5	0	31.6	42
12/05/2022 07:20	3.3	222	14	5.2	0	32.2	40
12/05/2022 07:30	4.8	213	10	6.7	0	32.4	38
12/05/2022 07:40	4.7	206	11	6.5	0	33	36
12/05/2022 07:50	4.7	201	10	6.6	0	33.3	36
12/05/2022 08:00	4.6	197	12	6.3	0	33.9	34
12/05/2022 08:10	4.7	200	10	6.5	0	34.4	33
12/05/2022 08:20	4.6	196	10	6.5	0	35.1	31



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/05/2022 08:30	4.3	202	11	6.3	0	35.5	29
12/05/2022 08:40	4.5	206	12	6.4	0	36.2	26
12/05/2022 08:50	4.4	212	12	6.7	0	36.6	23
12/05/2022 09:00	4.5	215	13	6.8	0	37.3	22
12/05/2022 09:10	4.6	220	14	7.5	0	37.5	22
12/05/2022 09:20	4.6	262	12	6.5	0	37.7	22
12/05/2022 09:30	4.6	267	9	6.6	0	37.1	28
12/05/2022 09:40	4.9	276	9	6.4	0	37.1	29
12/05/2022 09:50	5	271	8	7	0	37.4	25
12/05/2022 10:00	4.7	275	10	6.5	0	37.7	26
12/05/2022 10:10	4.5	271	14	6.1	0	37.7	24
12/05/2022 10:20	4.3	274	15	6.1	0	38.1	23
12/05/2022 10:30	4.6	269	14	6.3	0	38.1	21
12/05/2022 10:40	4.5	280	19	6.8	0	38.2	23
12/05/2022 10:50	4.7	298	14	6.4	0	37.5	27
12/05/2022 11:00	4.3	302	13	5.8	0	36.1	39
12/05/2022 11:10	4.7	280	8	6.1	0	35.4	45
12/05/2022 11:20	5.2	280	9	6.7	0	35	47
12/05/2022 11:30	5.3	273	13	7.2	0	34.5	53
12/05/2022 11:40	6	267	12	8.4	0	34	55
12/05/2022 11:50	6.4	262	10	8.3	0	32.8	58
12/05/2022 12:00	6.6	263	9	8.6	0	32.6	57
12/05/2022 12:10	6.6	272	8	8.4	0	32.5	57
12/05/2022 12:20	7	263	8	8.5	0	32.6	57
12/05/2022 12:30	7.4	262	6	9	0	32.6	56
12/05/2022 12:40	7.5	271	7	9.1	0	32.9	54
12/05/2022 12:50	7.8	267	6	9.5	0	32.5	56
12/05/2022 13:00	7.1	260	9	9.3	0	32.6	56
12/05/2022 13:10	7.7	262	7	9.1	0	32.2	58
12/05/2022 13:20	7.7	263	8	9.8	0	32.4	57
12/05/2022 13:30	7.5	264	7	9.5	0	32.5	56
12/05/2022 13:40	7.4	263	7	9.4	0	32.5	54
12/05/2022 13:50	8	263	6	9.9	0	32.2	57
12/05/2022 14:00	8.2	263	7	9.8	0	32	59
12/05/2022 14:10	8.2	265	7	10.6	0	31.7	60
12/05/2022 14:20	7.4	271	9	9.9	0	32.4	57
12/05/2022 14:30	7.8	271	8	9.8	0	32.2	58
12/05/2022 14:40	8	270	6	9.8	0	32.6	56
12/05/2022 14:50	8.3	272	6	10.7	0	32.4	57
12/05/2022 15:00	8.3	271	7	10.5	0	32.5	56
12/05/2022 15:10	8.6	270	7	10.7	0	32.3	55
12/05/2022 15:20	8.4	274	7	11	0	32.3	55
12/05/2022 15:30	8.9	273	7	11.2	0	31.7	56
12/05/2022 15:40	9	273	7	11.7	0	31.5	56
12/05/2022 15:50	9	274	8	11.7	0	31	59
12/05/2022 16:00	9.6	273	7	12.2	0	31	59
12/05/2022 16:10	8.8	271	9	12.4	0	30.9	61
12/05/2022 16:20	9.7	273	6	12.2	0	30.3	64



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/05/2022 16:30	8.1	275	9	11.9	0	30.7	62
12/05/2022 16:40	8.1	274	8	10.5	0	30.6	63
12/05/2022 16:50	8.8	273	7	11.2	0	30.3	64
12/05/2022 17:00	8.6	270	7	11.4	0	30	65
12/05/2022 17:10	8.3	272	8	10.7	0	29.9	67
12/05/2022 17:20	7.6	271	9	10.6	0	29.9	67
12/05/2022 17:30	8.2	275	7	11	0	29.7	67
12/05/2022 17:40	8.3	271	8	10.7	0	29.6	67
12/05/2022 17:50	7.4	269	8	9.7	0	29.6	67
12/05/2022 18:00	7.7	269	8	10.9	0	29.4	66
12/05/2022 18:10	8.3	271	8	11	0	29.2	64
12/05/2022 18:20	7.4	276	8	9.6	0	29.1	64
12/05/2022 18:30	6.6	271	8	9.1	0	29	66
12/05/2022 18:40	6.8	276	8	10.7	0	28.7	67
12/05/2022 18:50	8.1	270	7	10.6	0	28.4	69
12/05/2022 19:00	7.6	273	6	10.4	0	28.2	71
12/05/2022 19:10	8.3	273	7	11.3	0	28.1	69
12/05/2022 19:20	8.3	275	7	11.7	0	28.1	67
12/05/2022 19:30	8.3	280	5	10.9	0	28	69
12/05/2022 19:40	7.8	277	8	11.2	0	27.9	67
12/05/2022 19:50	8.8	276	6	12	0	27.9	66
12/05/2022 20:00	9	275	7	12.1	0	27.9	66
12/05/2022 20:10	8.3	270	8	11.1	0	27.9	66
12/05/2022 20:20	8	273	7	10.9	0	27.8	67
12/05/2022 20:30	7.2	267	6	10.6	0	27.8	66
12/05/2022 20:40	8.2	264	8	11.7	0	27.8	68
12/05/2022 20:50	6.9	264	8	9.8	0	27.6	72
12/05/2022 21:00	7.6	263	8	10.9	0	27.5	73
12/05/2022 21:10	7.8	263	7	10.7	0	27.5	74
12/05/2022 21:20	8.1	263	7	11.3	0	27.4	74
12/05/2022 21:30	7.7	265	7	11	0	27.4	74
12/05/2022 21:40	7.4	267	8	9.7	0	27.4	75
12/05/2022 21:50	8	269	7	11.2	0	27.3	75
12/05/2022 22:00	7.8	268	8	10.3	0	27.2	75
12/05/2022 22:10	7.5	263	7	10.6	0	27.3	74
12/05/2022 22:20	7.9	261	7	11.2	0	27.2	75
12/05/2022 22:30	7.6	260	6	10.4	0	27.2	75
12/05/2022 22:40	6.7	263	7	8.8	0	27.2	76
12/05/2022 22:50	7.8	264	7	11	0	27.1	75
12/05/2022 23:00	7.9	260	7	11	0	27.2	75
12/05/2022 23:10	8.4	260	7	11.4	0	27.2	75
12/05/2022 23:20	7.5	259	7	10.3	0	27.1	75
12/05/2022 23:30	8.2	259	6	10.7	0	27.2	75
12/05/2022 23:40	7.9	259	7	10.5	0	27.2	75
12/05/2022 23:50	8.8	263	6	11.5	0	27.2	75
12/06/2022 00:00	8.5	261	6	11	0	27.2	75
12/06/2022 00:10	8.6	261	7	11.6	0	27.1	75
12/06/2022 00:20	7.9	260	7	10.5	0	27.1	75



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/06/2022 00:30	7.9	259	7	10.6	0	27.1	75
12/06/2022 00:40	8	260	6	11.1	0	27.1	75
12/06/2022 00:50	7.5	260	7	10.3	0	27.1	75
12/06/2022 01:00	7.5	259	6	10.8	0	27	75
12/06/2022 01:10	7.5	261	6	9.7	0	27	76
12/06/2022 01:20	6.3	259	6	8.6	0	26.9	76
12/06/2022 01:30	6.6	259	5	9.2	0	26.8	75
12/06/2022 01:40	6.4	255	8	8.7	0	26.8	74
12/06/2022 01:50	6.5	254	8	8.6	0	26.8	73
12/06/2022 02:00	7.1	257	7	10.4	0	26.7	71
12/06/2022 02:10	6.5	257	6	8.6	0	26.5	71
12/06/2022 02:20	6.2	253	6	8.1	0	26.3	70
12/06/2022 02:30	6.8	261	5	8.6	0	26.2	69
12/06/2022 02:40	6.8	258	6	8.8	0	26	69
12/06/2022 02:50	6.5	260	6	8	0	25.9	68
12/06/2022 03:00	6.5	263	6	8.2	0	25.9	67
12/06/2022 03:10	5.9	262	6	7.3	0	25.8	66
12/06/2022 03:20	6.1	266	4	7.5	0	25.7	65
12/06/2022 03:30	5.7	264	5	7.4	0	25.6	64
12/06/2022 03:40	5.6	266	5	7.1	0	25.6	64
12/06/2022 03:50	5.6	266	5	6.9	0	25.6	63
12/06/2022 04:00	5.3	267	5	7.3	0	25.5	64
12/06/2022 04:10	5.4	269	4	6.6	0	25.4	64
12/06/2022 04:20	5.3	271	5	6.5	0	25.3	64
12/06/2022 04:30	5.4	273	5	6.8	0	25.2	63
12/06/2022 04:40	5.1	275	4	6.2	0	25.1	63
12/06/2022 04:50	5.1	279	5	6.4	0	25.1	63
12/06/2022 05:00	5.3	277	4	6.6	0	25.1	63
12/06/2022 05:10	5.1	273	5	6.7	0	25	63
12/06/2022 05:20	5.4	274	4	6.7	0	24.9	63
12/06/2022 05:30	5.9	273	4	7.4	0	24.9	63
12/06/2022 05:40	5.7	272	4	7.5	0	24.9	62
12/06/2022 05:50	5.6	272	5	6.8	0	25	62
12/06/2022 06:00	5.3	279	4	6.7	0	25.1	61
12/06/2022 06:10	5.9	279	4	7	0	25.4	60
12/06/2022 06:20	6	278	5	7.7	0	25.7	59
12/06/2022 06:30	6.9	269	6	8.3	0	25.9	58
12/06/2022 06:40	7.1	265	5	9.1	0	26.3	56
12/06/2022 06:50	7.3	261	6	8.9	0	26.6	56
12/06/2022 07:00	6.9	265	5	8.5	0	27	56
12/06/2022 07:10	6.2	266	7	8.7	0	27.3	55
12/06/2022 07:20	5.9	269	7	7.4	0	27.9	54
12/06/2022 07:30	5.9	267	6	7.9	0	28.1	52
12/06/2022 07:40	6.2	267	6	8	0	28.3	52
12/06/2022 07:50	6.3	267	6	7.7	0	28.5	51
12/06/2022 08:00	5.2	268	5	6.6	0	29	50
12/06/2022 08:10	5	267	7	6.3	0	29.4	49
12/06/2022 08:20	4.7	274	8	6.3	0	29.8	47





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/06/2022 08:30	4.8	273	9	6.9	0	30.5	46
12/06/2022 08:40	5	278	8	6.4	0	30.8	45
12/06/2022 08:50	4.9	278	8	6.4	0	31.3	44
12/06/2022 09:00	5.1	276	7	6.5	0	31.8	43
12/06/2022 09:10	4.7	282	11	6.3	0	31.8	44
12/06/2022 09:20	5.3	287	10	6.7	0	32	46
12/06/2022 09:30	4.7	279	11	6.2	0	32.7	44
12/06/2022 09:40	5	286	9	6.6	0	32.4	47
12/06/2022 09:50	5.4	292	8	7.4	0	32	52
12/06/2022 10:00	5.6	292	7	7.5	0	31.7	53
12/06/2022 10:10	6.2	286	7	7.2	0	31.6	54
12/06/2022 10:20	5.6	281	9	7.4	0	32.1	52
12/06/2022 10:30	6.1	284	9	7.5	0	31.9	52
12/06/2022 10:40	6	279	8	7.5	0	32	52
12/06/2022 10:50	6.3	281	10	7.9	0	32	51
12/06/2022 11:00	6	282	9	7.4	0	31.9	52
12/06/2022 11:10	5.2	282	12	7	0	32.8	51
12/06/2022 11:20	5.8	276	12	7.8	0	32.6	51
12/06/2022 11:30	5.8	276	10	7.7	0	32.8	50
12/06/2022 11:40	6.3	266	7	7.8	0	32.7	52
12/06/2022 11:50	6.4	264	11	7.9	0	32.7	53
12/06/2022 12:00	6	272	9	8.1	0	32.8	54
12/06/2022 12:10	6.2	274	10	8	0	32.9	53
12/06/2022 12:20	6.4	271	10	8.2	0	32.7	55
12/06/2022 12:30	7.3	270	7	9.2	0	32.7	54
12/06/2022 12:40	7.8	266	7	9.7	0	32.4	56
12/06/2022 12:50	7.4	259	6	9.4	0	32.2	58
12/06/2022 13:00	6.8	271	9	9.2	0	32.9	55
12/06/2022 13:10	6.8	274	10	9.1	0	32.9	56
12/06/2022 13:20	7.1	270	10	9.2	0	32.1	59
12/06/2022 13:30	6.6	267	11	8.7	0	32.1	59
12/06/2022 13:40	7.1	264	10	9	0	31.6	61
12/06/2022 13:50	7.3	265	9	9.1	0	31.7	59
12/06/2022 14:00	7.5	263	7	9.2	0	31.8	59
12/06/2022 14:10	8	267	5	9.4	0	31.8	58
12/06/2022 14:20	6.8	263	8	8.7	0	32.6	56
12/06/2022 14:30	7.4	265	10	9.6	0	32.7	56
12/06/2022 14:40	8.6	275	7	10.5	0	32.3	57
12/06/2022 14:50	9	267	6	11.2	0	31.8	59
12/06/2022 15:00	9.2	270	5	11	0	31.5	59
12/06/2022 15:10	9	273	6	11.7	0	31.5	60
12/06/2022 15:20	9	275	6	11.7	0	31.2	62
12/06/2022 15:30	8.5	275	8	11	0	31.1	63
12/06/2022 15:40	8.8	276	7	11.9	0	31.1	63
12/06/2022 15:50	8.9	276	6	11.6	0	30.7	63
12/06/2022 16:00	9.9	273	6	12.3	0	30.5	63
12/06/2022 16:10	9.1	277	6	11.9	0	30.6	62
12/06/2022 16:20	9.9	275	6	12.3	0	30.2	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/06/2022 16:30	9.3	274	7	11.7	0	30.2	63
12/06/2022 16:40	8.9	279	8	11.5	0	30.2	64
12/06/2022 16:50	9.3	270	6	12.9	0	30.2	64
12/06/2022 17:00	8.6	276	8	12.1	0	30.1	62
12/06/2022 17:10	8.1	271	8	11.2	0	30.1	64
12/06/2022 17:20	9.1	267	8	12	0	29.7	64
12/06/2022 17:30	7.8	266	8	10.2	0	29.8	64
12/06/2022 17:40	8.3	269	7	10.9	0	29.7	62
12/06/2022 17:50	8.3	268	8	11.9	0	29.7	63
12/06/2022 18:00	8.3	270	7	11.3	0	29.4	66
12/06/2022 18:10	8.7	271	8	11.5	0	28.8	69
12/06/2022 18:20	8.8	269	7	11.7	0	28.5	70
12/06/2022 18:30	9.6	270	6	12.3	0	28.1	72
12/06/2022 18:40	7.7	268	9	11.3	0	27.9	72
12/06/2022 18:50	8.1	267	8	10.4	0	27.7	73
12/06/2022 19:00	7.3	267	8	10.3	0	27.6	73
12/06/2022 19:10	7.2	265	7	9.5	0	27.5	73
12/06/2022 19:20	7.5	265	7	10.4	0	27.5	73
12/06/2022 19:30	7.7	268	6	10.2	0	27.5	73
12/06/2022 19:40	7.6	267	7	9.9	0	27.5	72
12/06/2022 19:50	8	266	7	11.2	0	27.5	72
12/06/2022 20:00	7.6	264	7	10.9	0	27.5	72
12/06/2022 20:10	8	265	6	11.3	0	27.5	72
12/06/2022 20:20	8.1	268	8	11	0	27.4	73
12/06/2022 20:30	7.3	261	7	9.9	0	27.4	73
12/06/2022 20:40	8	263	6	10.4	0	27.4	73
12/06/2022 20:50	8.2	265	7	10.6	0	27.3	74
12/06/2022 21:00	8	265	6	10.4	0	27.3	74
12/06/2022 21:10	8	265	6	10.5	0	27.2	74
12/06/2022 21:20	8	266	7	10.1	0	27.2	74
12/06/2022 21:30	8.6	264	7	11	0	27.2	74
12/06/2022 21:40	8.1	266	6	11.2	0	27.2	74
12/06/2022 21:50	8.2	269	6	10.4	0	27.2	74
12/06/2022 22:00	7.7	270	7	10.4	0	27.2	74
12/06/2022 22:10	8.5	271	5	10.9	0	27.1	74
12/06/2022 22:20	7.3	268	7	10.1	0	27.1	74
12/06/2022 22:30	7.3	268	7	10	0	27.1	74
12/06/2022 22:40	7.4	269	6	9.9	0	27	75
12/06/2022 22:50	8.1	266	6	10.8	0	27	74
12/06/2022 23:00	8.3	263	7	10.9	0	27	75
12/06/2022 23:10	9.3	263	7	11.1	0	27	74
12/06/2022 23:20	8.7	262	7	11.5	0	27	74
12/06/2022 23:30	8	260	7	10.9	0	27	75
12/06/2022 23:40	8.3	260	7	10.9	0	26.9	75
12/06/2022 23:50	7.5	265	8	10.3	0	26.9	75
12/07/2022 00:00	8.1	264	6	10.8	0	26.9	75
12/07/2022 00:10	7.5	263	7	9.9	0	26.9	74
12/07/2022 00:20	7.3	263	6	9	0	26.9	74



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/07/2022 00:30	8.3	265	5	11.5	0	26.9	74
12/07/2022 00:40	8.3	266	7	10.8	0	26.9	74
12/07/2022 00:50	8	263	7	11.1	0	26.9	74
12/07/2022 01:00	7.8	263	7	10.4	0	26.9	74
12/07/2022 01:10	7.3	261	6	10	0	26.9	74
12/07/2022 01:20	7.1	258	7	9.6	0	26.8	72
12/07/2022 01:30	7.2	256	7	9.7	0	26.8	70
12/07/2022 01:40	8.2	257	6	10.9	0	26.6	67
12/07/2022 01:50	7	260	7	9.9	0	26.5	68
12/07/2022 02:00	7.6	256	7	9.9	0	26.4	65
12/07/2022 02:10	7.6	257	7	10.3	0	26.3	66
12/07/2022 02:20	7.3	258	6	9.9	0	26.2	66
12/07/2022 02:30	7	258	7	9.6	0	26	66
12/07/2022 02:40	6.5	259	6	9.3	0	25.9	66
12/07/2022 02:50	6.5	260	6	8.6	0	25.6	66
12/07/2022 03:00	6.9	261	5	8.7	0	25.4	66
12/07/2022 03:10	6.1	259	6	7.7	0	25.2	66
12/07/2022 03:20	5.9	260	5	7.4	0	25	66
12/07/2022 03:30	5.8	263	6	7.7	0	24.9	66
12/07/2022 03:40	6.1	260	6	7.6	0	24.8	66
12/07/2022 03:50	5.5	258	5	7	0	24.6	66
12/07/2022 04:00	6	266	5	7.7	0	24.4	66
12/07/2022 04:10	5.8	264	5	7.6	0	24.4	66
12/07/2022 04:20	6.4	261	6	8.6	0	24.3	66
12/07/2022 04:30	5.6	260	5	7.6	0	24.3	66
12/07/2022 04:40	5.9	259	5	7.9	0	24.1	66
12/07/2022 04:50	6.3	263	6	7.8	0	24.1	66
12/07/2022 05:00	6.1	262	6	7.6	0	24.1	66
12/07/2022 05:10	5.6	261	6	7.7	0	24	67
12/07/2022 05:20	5.9	261	6	8	0	23.9	67
12/07/2022 05:30	6.4	260	6	8.3	0	23.9	66
12/07/2022 05:40	5.1	258	6	6.9	0	23.8	68
12/07/2022 05:50	5.4	261	6	6.8	0	23.8	68
12/07/2022 06:00	5.8	261	6	7.2	0	24	68
12/07/2022 06:10	5.6	259	6	7.2	0	24.2	67
12/07/2022 06:20	5.5	261	6	7.5	0	24.4	66
12/07/2022 06:30	5.3	264	5	6.7	0	24.8	65
12/07/2022 06:40	5.9	266	7	7.8	0	25.1	64
12/07/2022 06:50	6.2	264	6	7.7	0	25.3	63
12/07/2022 07:00	6.3	269	7	7.9	0	25.7	63
12/07/2022 07:10	6.9	270	6	8.5	0	25.9	61
12/07/2022 07:20	7.1	267	6	8.5	0	26	61
12/07/2022 07:30	6.5	264	7	8.7	0	26.1	61
12/07/2022 07:40	6.1	269	7	7.9	0	26.4	60
12/07/2022 07:50	6.3	267	6	7.8	0	26.8	58
12/07/2022 08:00	6.2	263	7	7.8	0	27	58
12/07/2022 08:10	5.7	271	8	7.6	0	27.6	57
12/07/2022 08:20	6.4	271	9	8.1	0	27.5	57



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/07/2022 08:30	6.8	274	7	8.2	0	27.6	57
12/07/2022 08:40	6.2	272	7	7.9	0	28.1	56
12/07/2022 08:50	6	272	7	7.6	0	28.3	57
12/07/2022 09:00	6	277	9	7.5	0	28.5	58
12/07/2022 09:10	5.6	274	8	7	0	29	57
12/07/2022 09:20	5.8	278	10	7.6	0	29	57
12/07/2022 09:30	5.3	280	11	7.1	0	29.4	56
12/07/2022 09:40	6	279	9	8	0	29.3	56
12/07/2022 09:50	6.1	281	8	7.5	0	29.6	56
12/07/2022 10:00	6	279	8	7.4	0	29.6	55
12/07/2022 10:10	6.1	284	10	7.4	0	29.8	55
12/07/2022 10:20	6.2	286	11	8	0	30	55
12/07/2022 10:30	6.3	280	10	7.9	0	29.7	55
12/07/2022 10:40	6.4	278	13	9	0	30.1	53
12/07/2022 10:50	6.7	282	11	8.3	0	30.1	54
12/07/2022 11:00	6.9	277	11	9.1	0	30.1	55
12/07/2022 11:10	6.8	272	8	9.5	0	30.5	55
12/07/2022 11:20	7	270	10	8.8	0	30.3	56
12/07/2022 11:30	7	266	7	9.7	0	30.5	56
12/07/2022 11:40	7	267	8	9.4	0	31	55
12/07/2022 11:50	7.3	272	8	9.5	0	30.6	56
12/07/2022 12:00	8.6	274	6	10.5	0	30.6	57
12/07/2022 12:10	8.2	279	8	10.7	0	30.5	58
12/07/2022 12:20	8.5	267	7	10.7	0	30.2	60
12/07/2022 12:30	7.7	265	9	10.4	0	30.5	60
12/07/2022 12:40	8	267	9	10	0	30.8	59
12/07/2022 12:50	7.9	265	8	10.1	0	30.7	59
12/07/2022 13:00	8.7	272	8	11.1	0	30.9	57
12/07/2022 13:10	7.8	269	9	9.9	0	31.2	56
12/07/2022 13:20	8.7	276	7	10.9	0	30.8	56
12/07/2022 13:30	8.9	269	8	11.1	0	30.8	56
12/07/2022 13:40	8.9	267	7	12	0	30.3	58
12/07/2022 13:50	8.3	269	6	10.2	0	30.1	60
12/07/2022 14:00	8.1	269	9	10.6	0	30.5	57
12/07/2022 14:10	7.5	271	9	10.3	0	31.4	54
12/07/2022 14:20	8.6	270	7	11.2	0	30.6	55
12/07/2022 14:30	9.1	267	8	11.5	0	30.2	56
12/07/2022 14:40	8.8	272	7	11.4	0	30.5	50
12/07/2022 14:50	8.3	269	8	11.5	0	31	49
12/07/2022 15:00	9.2	273	7	11.9	0	30.6	49
12/07/2022 15:10	9.2	270	6	11.6	0	30.4	52
12/07/2022 15:20	9	274	7	11.4	0	30.5	51
12/07/2022 15:30	9.4	271	9	11.9	0	30.2	51
12/07/2022 15:40	9.1	273	8	11.6	0	30.3	51
12/07/2022 15:50	9.3	271	5	11.7	0	29.9	52
12/07/2022 16:00	9.2	272	7	11.4	0	29.9	53
12/07/2022 16:10	8.9	271	8	11.7	0	29.8	54
12/07/2022 16:20	9.3	269	8	11.7	0	29.4	58



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/07/2022 16:30	9	269	8	11.6	0	29.2	61
12/07/2022 16:40	8.8	266	7	11.5	0	29	62
12/07/2022 16:50	8.2	261	9	10.8	0	29	60
12/07/2022 17:00	8.2	263	9	10.8	0	29.1	59
12/07/2022 17:10	8.4	264	7	11	0	28.8	60
12/07/2022 17:20	8.9	266	7	11.1	0	28.7	61
12/07/2022 17:30	8.5	271	6	11	0	28.6	62
12/07/2022 17:40	8.9	269	7	11.8	0	28.5	61
12/07/2022 17:50	7.8	269	8	10.6	0	28.6	60
12/07/2022 18:00	8	268	7	10.9	0	28.5	60
12/07/2022 18:10	8	270	7	10.3	0	28.2	62
12/07/2022 18:20	7.9	265	6	10.6	0	28	65
12/07/2022 18:30	8.2	270	7	10.7	0	27.6	67
12/07/2022 18:40	7.1	268	7	9.8	0	27.6	67
12/07/2022 18:50	7.2	266	7	9.3	0	27.4	68
12/07/2022 19:00	7.4	267	7	10.2	0	27.2	70
12/07/2022 19:10	8.6	266	6	11.2	0	27.1	71
12/07/2022 19:20	7.6	268	7	10.2	0	27.1	72
12/07/2022 19:30	7.8	272	6	10.6	0	26.9	73
12/07/2022 19:40	7.7	270	8	10.5	0	26.9	73
12/07/2022 19:50	9.2	269	7	11.8	0	26.9	73
12/07/2022 20:00	8.3	268	6	11.4	0	26.9	74
12/07/2022 20:10	8.8	269	6	12.5	0	26.8	74
12/07/2022 20:20	9.8	270	6	12.9	0	26.7	74
12/07/2022 20:30	9	265	7	12	0	26.7	75
12/07/2022 20:40	8.7	264	7	12.1	0	26.6	74
12/07/2022 20:50	9.4	264	8	13.1	0	26.5	74
12/07/2022 21:00	8.3	261	8	10.8	0	26.5	75
12/07/2022 21:10	9.5	261	7	12.9	0	26.3	75
12/07/2022 21:20	8.9	257	8	11.3	0	26.3	75
12/07/2022 21:30	8.4	254	7	11.7	0	26.2	75
12/07/2022 21:40	8.5	258	7	11.1	0	26.2	75
12/07/2022 21:50	9.5	257	6	12.5	0	26.1	75
12/07/2022 22:00	9.8	257	6	13.1	0	26	74
12/07/2022 22:10	8.1	253	8	11.5	0	26	74
12/07/2022 22:20	8.5	251	8	11.9	0	25.9	74
12/07/2022 22:30	8.1	255	9	10.5	0	25.8	74
12/07/2022 22:40	7.7	258	8	10	0	25.7	74
12/07/2022 22:50	7.7	254	9	10.1	0	25.6	74
12/07/2022 23:00	8.8	254	8	11.7	0	25.5	74
12/07/2022 23:10	8.9	255	8	11.9	0	25.5	74
12/07/2022 23:20	8.8	254	7	12.6	0	25.5	74
12/07/2022 23:30	8.5	253	8	11.7	0	25.4	73
12/07/2022 23:40	8.5	253	8	11.8	0	25.4	73
12/07/2022 23:50	7.9	254	9	11.6	0	25.3	73
12/08/2022 00:00	7.4	254	8	10.2	0	25.2	74
12/08/2022 00:10	7.4	253	9	10.2	0	25.3	73
12/08/2022 00:20	8.7	253	8	11.7	0	25.3	73



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/08/2022 00:30	8.2	253	8	11.8	0	25.3	72
12/08/2022 00:40	8.2	255	8	12	0	25.3	72
12/08/2022 00:50	8	257	8	10.8	0	25.3	72
12/08/2022 01:00	8	257	8	11.3	0	25.3	72
12/08/2022 01:10	8.4	255	7	11.9	0	25.4	70
12/08/2022 01:20	7.7	255	7	10.6	0	25.4	70
12/08/2022 01:30	7.2	253	7	9.7	0	25.4	68
12/08/2022 01:40	7.5	255	8	10	0	25.3	67
12/08/2022 01:50	7.1	255	7	9.1	0	25.1	66
12/08/2022 02:00	7.2	256	7	10	0	25	65
12/08/2022 02:10	7.1	257	6	8.9	0	24.8	65
12/08/2022 02:20	6.8	256	7	9	0	24.6	64
12/08/2022 02:30	6.3	258	7	8.4	0	24.4	64
12/08/2022 02:40	6.3	258	6	8.2	0	24.2	64
12/08/2022 02:50	5.8	259	6	8.2	0	24.1	64
12/08/2022 03:00	5.7	260	5	7.4	0	24.1	64
12/08/2022 03:10	5.7	262	6	7.7	0	24	64
12/08/2022 03:20	5.7	262	6	7.7	0	24	64
12/08/2022 03:30	4.8	260	7	6.9	0	23.9	64
12/08/2022 03:40	5	261	6	6.3	0	23.7	64
12/08/2022 03:50	5.1	264	6	6.5	0	23.6	64
12/08/2022 04:00	4.6	264	7	5.9	0	23.5	64
12/08/2022 04:10	4.6	263	7	6	0	23.5	64
12/08/2022 04:20	4.3	267	6	5.7	0	23.4	64
12/08/2022 04:30	4.2	265	6	5.3	0	23.4	64
12/08/2022 04:40	4.2	266	6	5.5	0	23.2	64
12/08/2022 04:50	4.3	263	7	5.5	0	23.1	64
12/08/2022 05:00	4.7	261	6	6	0	23	64
12/08/2022 05:10	4.8	267	6	5.9	0	22.9	65
12/08/2022 05:20	5.1	268	5	6.4	0	22.9	65
12/08/2022 05:30	5.5	265	5	7	0	22.8	64
12/08/2022 05:40	5.1	263	5	6.4	0	22.8	64
12/08/2022 05:50	4.5	258	7	5.9	0	22.8	64
12/08/2022 06:00	4.6	259	8	6.4	0	23	63
12/08/2022 06:10	4.8	260	7	6.2	0	23.4	62
12/08/2022 06:20	3.7	268	8	5.2	0	23.6	62
12/08/2022 06:30	3.7	271	8	5.4	0	24	60
12/08/2022 06:40	4.6	262	7	6.3	0	24.4	58
12/08/2022 06:50	5.3	262	7	6.9	0	25	56
12/08/2022 07:00	5.1	256	8	7.3	0	25.5	54
12/08/2022 07:10	4.8	254	10	7	0	26	53
12/08/2022 07:20	6	253	8	8.3	0	26.4	51
12/08/2022 07:30	5.8	249	10	8.3	0	26.4	50
12/08/2022 07:40	5.7	245	14	8	0	26.8	49
12/08/2022 07:50	5.4	255	9	7.7	0	27	48
12/08/2022 08:00	6	255	10	8.3	0	27.3	48
12/08/2022 08:10	6.1	249	11	8.6	0	27.6	47
12/08/2022 08:20	6.8	254	10	8.9	0	27.8	45



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/08/2022 08:30	5.5	249	15	8.4	0	28.6	43
12/08/2022 08:40	5.9	245	14	8.8	0	28.9	42
12/08/2022 08:50	6	244	11	8.5	0	29	41
12/08/2022 09:00	6.2	244	13	8.5	0	29.6	40
12/08/2022 09:10	6.6	249	13	8.9	0	30.3	38
12/08/2022 09:20	6.2	251	11	8.5	0	31	36
12/08/2022 09:30	5.6	244	13	8.8	0	31.1	35
12/08/2022 09:40	6.1	248	14	9	0	31.7	34
12/08/2022 09:50	6.2	242	16	8.2	0	31.9	34
12/08/2022 10:00	6	241	15	8.6	0	32.4	32
12/08/2022 10:10	6.1	243	12	8.3	0	32.7	32
12/08/2022 10:20	6.2	250	14	8.9	0	33	31
12/08/2022 10:30	6.1	249	10	8.9	0	33.6	29
12/08/2022 10:40	6.2	250	12	8.8	0	33.7	29
12/08/2022 10:50	5.4	274	15	8.3	0	33.4	34
12/08/2022 11:00	5.7	280	10	8.1	0	33.3	38
12/08/2022 11:10	6.5	280	9	8.8	0	33	38
12/08/2022 11:20	7.3	282	7	9.3	0	32.8	38
12/08/2022 11:30	7.3	277	8	9.6	0	32.8	38
12/08/2022 11:40	7.4	276	8	9.3	0	33	38
12/08/2022 11:50	7.6	276	6	9.4	0	32.9	37
12/08/2022 12:00	7.3	277	6	9.4	0	32.9	38
12/08/2022 12:10	7.8	276	6	10.1	0	33	37
12/08/2022 12:20	8.5	275	6	10.8	0	32.9	37
12/08/2022 12:30	7.5	275	10	10	0	32.8	39
12/08/2022 12:40	8	275	7	10.1	0	32.4	42
12/08/2022 12:50	7.7	272	9	9.7	0	32.1	45
12/08/2022 13:00	7.6	269	11	10	0	31.7	50
12/08/2022 13:10	7	267	8	9.4	0	31.8	50
12/08/2022 13:20	7.4	267	10	9.7	0	32.2	49
12/08/2022 13:30	7.2	275	10	9.8	0	32.1	49
12/08/2022 13:40	6.7	278	10	9.1	0	32.4	50
12/08/2022 13:50	7	272	10	9.7	0	32.4	49
12/08/2022 14:00	7.6	264	8	9.7	0	32	50
12/08/2022 14:10	7.7	266	10	9.9	0	32	50
12/08/2022 14:20	7.4	268	7	9.8	0	32.1	51
12/08/2022 14:30							
12/08/2022 14:40							
12/08/2022 14:50	7.6	261	9	10.3	1.6	31.9	52
12/08/2022 15:00	7.5	260	8	9.6	1	31.9	51
12/08/2022 15:10	7.6	258	8	10.2	0	31.4	55
12/08/2022 15:20	7.8	259	8	10.1	0	31.3	55
12/08/2022 15:30	8.1	261	7	10.6	0	31.3	54
12/08/2022 15:40	7.9	261	8	10.5	0	31.3	56
12/08/2022 15:50	8.1	263	7	10.4	0	31.2	55
12/08/2022 16:00	8.5	269	8	11.1	0	31.5	52
12/08/2022 16:10	8.1	267	7	10.8	0	31.4	53
12/08/2022 16:20	8.5	267	7	11.2	0	31.1	54



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/08/2022 16:30	7.9	267	8	10.3	0	31.1	55
12/08/2022 16:40	7.5	263	7	10.3	0	31	56
12/08/2022 16:50	7.3	263	10	9.4	0	30.7	58
12/08/2022 17:00	6.7	261	9	8.7	0	30.7	59
12/08/2022 17:10	7	274	11	9.3	0	30.6	60
12/08/2022 17:20	7.8	281	8	10.2	0	29.9	61
12/08/2022 17:30	5.9	275	11	9.3	0	30.2	61
12/08/2022 17:40	7.2	268	9	9.8	0	29.6	62
12/08/2022 17:50	7.2	265	8	9.3	0	29.2	63
12/08/2022 18:00	6.7	279	10	9.3	0	29.1	64
12/08/2022 18:10	6.7	276	9	9.1	0	28.9	64
12/08/2022 18:20	6.6	276	8	9.4	0	28.7	64
12/08/2022 18:30	7.1	274	8	9.3	0	28.3	66
12/08/2022 18:40	6.8	272	8	9.3	0	28	67
12/08/2022 18:50	7.8	269	7	10.8	0	27.6	67
12/08/2022 19:00	7.6	271	8	10.3	0	27.4	68
12/08/2022 19:10	7.9	274	6	10.4	0	27.1	70
12/08/2022 19:20	8.4	276	6	11.6	0	27.1	71
12/08/2022 19:30	6.8	275	7	9.1	0	27.1	71
12/08/2022 19:40	7.3	278	6	9.8	0	27.1	71
12/08/2022 19:50	7.6	272	6	9.6	0	27.1	71
12/08/2022 20:00	7.8	275	6	10.4	0	27	71
12/08/2022 20:10	8.3	273	6	10.6	0	26.9	71
12/08/2022 20:20	8.3	275	5	11.5	0	26.9	71
12/08/2022 20:30	8.5	272	6	11.7	0	26.8	70
12/08/2022 20:40	8.4	271	7	11.5	0	26.9	72
12/08/2022 20:50	8.5	275	6	10.8	0	26.6	74
12/08/2022 21:00	8	269	6	11.8	0	26.4	75
12/08/2022 21:10	8	271	7	10.4	0	26.3	75
12/08/2022 21:20	8.7	270	6	11.3	0	26.3	75
12/08/2022 21:30	8.5	268	6	11.7	0	26.3	74
12/08/2022 21:40	8.2	271	6	11.3	0	26.3	74
12/08/2022 21:50	7.4	272	7	10.4	0	26.2	74
12/08/2022 22:00	8	269	7	10.8	0	26.2	74
12/08/2022 22:10	8.5	273	6	11	0	26.1	74
12/08/2022 22:20	8.1	271	6	11.1	0	26.1	74
12/08/2022 22:30	8.4	266	7	10.7	0	26.1	74
12/08/2022 22:40	8.3	267	7	10.6	0	26	74
12/08/2022 22:50	8	265	7	10.4	0	26	74
12/08/2022 23:00	8.1	269	5	10.8	0	26	74
12/08/2022 23:10	8	270	7	11.1	0	26	75
12/08/2022 23:20	8.7	272	6	11.5	0	26	75
12/08/2022 23:30	7.5	269	7	10.8	0	26	74
12/08/2022 23:40	7.7	265	6	11.1	0	26	74
12/08/2022 23:50	8.3	267	6	10.6	0	26	74
12/09/2022 00:00	9.3	271	5	11.3	0	26	74
12/09/2022 00:10	8.9	271	5	11.5	0	26	74
12/09/2022 00:20	8.5	270	7	11	0	26	74





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/09/2022 00:30	8.4	265	6	12.2	0	26.1	74
12/09/2022 00:40	8	265	6	11	0	26.1	74
12/09/2022 00:50	8	265	5	11.3	0	26	74
12/09/2022 01:00	8	266	6	10.9	0	26	74
12/09/2022 01:10	8.5	269	5	11	0	25.9	74
12/09/2022 01:20	8.3	269	5	10.4	0	25.9	74
12/09/2022 01:30	8.1	267	6	10.7	0	25.9	74
12/09/2022 01:40	9	269	5	11.3	0	25.9	74
12/09/2022 01:50	9	270	6	11.4	0	25.9	74
12/09/2022 02:00	7.2	266	6	10.7	0	25.9	75
12/09/2022 02:10	7.2	262	6	9.2	0	25.9	75
12/09/2022 02:20	7.9	266	6	10.7	0	25.8	74
12/09/2022 02:30	7.7	265	6	10.7	0	25.8	74
12/09/2022 02:40	8.1	263	6	10.6	0	25.7	74
12/09/2022 02:50	7.5	265	6	10.1	0	25.7	74
12/09/2022 03:00	7.9	263	6	10.2	0	25.6	74
12/09/2022 03:10	7.6	262	6	9.7	0	25.6	74
12/09/2022 03:20	6.8	262	6	8.8	0	25.4	74
12/09/2022 03:30	7	262	6	9.1	0	25.4	74
12/09/2022 03:40	6.7	261	5	8.5	0	25.3	74
12/09/2022 03:50	5.8	260	5	7.3	0	25	75
12/09/2022 04:00	5.9	260	5	7.6	0	24.9	74
12/09/2022 04:10	6.1	260	6	7.9	0	24.8	73
12/09/2022 04:20	5.9	257	5	7.8	0	24.7	73
12/09/2022 04:30	6.6	259	6	8.4	0	24.6	73
12/09/2022 04:40	6.4	255	6	8.7	0	24.6	73
12/09/2022 04:50	6.6	256	5	8.5	0	24.5	72
12/09/2022 05:00	6.8	258	6	8.8	0	24.3	72
12/09/2022 05:10	6.9	257	5	8.9	0	24.2	72
12/09/2022 05:20	7	260	5	8.7	0	24	72
12/09/2022 05:30	6.9	260	5	8.4	0	23.9	71
12/09/2022 05:40	6.7	262	5	8.5	0	23.9	70
12/09/2022 05:50	7	262	5	8.7	0	23.8	69
12/09/2022 06:00	7.2	263	6	9	0	23.9	68
12/09/2022 06:10	7.1	260	5	9	0	24	68
12/09/2022 06:20	7.2	257	6	9.3	0	24.2	67
12/09/2022 06:30	7.5	258	7	9.8	0	24.4	66
12/09/2022 06:40	6.9	259	5	9.3	0	24.7	65
12/09/2022 06:50	7.3	256	6	9.2	0	25	64
12/09/2022 07:00	7.3	260	6	9.1	0	25.2	64
12/09/2022 07:10	6.9	261	6	9.1	0	25.5	63
12/09/2022 07:20	7.2	264	6	8.9	0	25.6	62
12/09/2022 07:30	7.3	263	6	9	0	25.8	62
12/09/2022 07:40	7.3	268	7	9.5	0	26.1	61
12/09/2022 07:50	7.4	268	6	9.4	0	26.3	60
12/09/2022 08:00	7.1	269	6	8.9	0	26.5	59
12/09/2022 08:10	7.2	271	7	8.9	0	26.8	58
12/09/2022 08:20	6.2	266	8	8.5	0	27.2	57



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/09/2022 08:30	6.8	270	9	8.4	0	27.3	56
12/09/2022 08:40	6.3	273	9	8.3	0	28	55
12/09/2022 08:50	6.2	266	9	7.7	0	28	56
12/09/2022 09:00	6.1	275	9	8.3	0	28.2	55
12/09/2022 09:10	6.5	275	9	8.5	0	28.3	56
12/09/2022 09:20	6.2	282	9	8.4	0	28.3	58
12/09/2022 09:30	6.5	277	9	8.7	0	28.4	57
12/09/2022 09:40	6.6	282	8	8.5	0	28.5	57
12/09/2022 09:50	7.1	277	9	8.7	0	28.6	57
12/09/2022 10:00	7.3	284	7	8.9	0	29	56
12/09/2022 10:10	7.4	280	9	9.1	0	28.9	56
12/09/2022 10:20	7.3	280	7	9.6	0	29	57
12/09/2022 10:30	7.4	281	8	9.3	0	29.3	56
12/09/2022 10:40	7.5	280	7	9.8	0	29.3	56
12/09/2022 10:50	7.5	279	7	9.6	0	29.4	56
12/09/2022 11:00	7.3	277	9	9.6	0	29.8	55
12/09/2022 11:10	7.6	275	8	9.4	0	29.7	56
12/09/2022 11:20	7.3	272	9	9.3	0	30	55
12/09/2022 11:30	7.5	275	6	9.8	0	30.5	53
12/09/2022 11:40	7.9	276	6	9.4	0	30.1	53
12/09/2022 11:50	8	277	8	10.1	0	30.9	49
12/09/2022 12:00	8.5	274	7	10.5	0	31.1	45
12/09/2022 12:10	7.8	274	8	10.5	0	31.5	44
12/09/2022 12:20	8.4	274	7	10.9	0	31.6	44
12/09/2022 12:30	8.2	272	7	10.1	0	31.5	45
12/09/2022 12:40	8.8	266	5	10.9	0	31.2	46
12/09/2022 12:50	8.7	266	8	10.8	0	31.1	46
12/09/2022 13:00	8.3	273	8	10.9	0	31	49
12/09/2022 13:10	8.5	274	10	10.7	0	30.2	57
12/09/2022 13:20	8.3	272	8	10.2	0	30.2	59
12/09/2022 13:30	7.8	277	10	10	0	30.3	59
12/09/2022 13:40	8.5	274	8	10.4	0	30.2	56
12/09/2022 13:50	7.9	279	8	10.7	0	30.6	56
12/09/2022 14:00	8.2	276	8	10.9	0	30.6	54
12/09/2022 14:10	8.2	277	7	10.1	0	30.8	51
12/09/2022 14:20	8.4	277	7	10.7	0	30.6	54
12/09/2022 14:30	8.4	275	7	10.8	0	30.2	56
12/09/2022 14:40	8.7	273	9	11.1	0	30.1	57
12/09/2022 14:50	8.6	271	10	11.1	0	30.2	56
12/09/2022 15:00	8.2	273	10	10.8	0	30	57
12/09/2022 15:10	9.6	275	6	11.6	0	29.4	60
12/09/2022 15:20	9.8	269	9	12.2	0	29.4	59
12/09/2022 15:30	9.1	267	8	12.6	0	30.1	57
12/09/2022 15:40	9.5	270	7	12.7	0	29.8	59
12/09/2022 15:50	10	274	8	13.2	0	29.8	59
12/09/2022 16:00	10.1	269	7	13.4	0	29.7	58
12/09/2022 16:10	9.6	269	7	13.1	0	29.8	58
12/09/2022 16:20	9.5	261	7	11.9	0	29.7	59



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/09/2022 16:30	10.2	263	6	12.2	0	29.5	57
12/09/2022 16:40	9.7	264	8	12.4	0	29.8	57
12/09/2022 16:50	9	268	8	10.9	0	30	57
12/09/2022 17:00	9.3	270	7	12.2	0	29.8	60
12/09/2022 17:10	9.3	268	7	11.4	0	29.7	59
12/09/2022 17:20	8.5	271	6	10.6	0	30	58
12/09/2022 17:30	8.1	270	6	10.7	0	30.2	56
12/09/2022 17:40	7.9	267	6	10.1	0	30.3	56
12/09/2022 17:50	7.7	264	8	10.1	0	30.3	55
12/09/2022 18:00	7.7	266	6	9.6	0	30.1	56
12/09/2022 18:10	7.3	266	7	9.6	0	29.9	56
12/09/2022 18:20	7.1	265	6	9.4	0	29.8	56
12/09/2022 18:30	7.1	266	6	9	0	29.6	56
12/09/2022 18:40	7.7	266	5	9.7	0	29.3	56
12/09/2022 18:50	6.8	266	7	8.7	0	29.1	58
12/09/2022 19:00	6.9	270	5	8.8	0	28.8	60
12/09/2022 19:10	6.7	268	6	9.2	0	28.7	61
12/09/2022 19:20	6.7	267	6	8.3	0	28.5	62
12/09/2022 19:30	6.7	267	7	9.1	0	28.5	62
12/09/2022 19:40	5.8	270	7	7.7	0	28.4	62
12/09/2022 19:50	5.9	272	7	8	0	28.4	62
12/09/2022 20:00	6.4	264	7	8.3	0	28.4	63
12/09/2022 20:10	6.5	277	11	8.5	0	28.2	65
12/09/2022 20:20	6	269	8	7.8	0	28.1	66
12/09/2022 20:30	6.5	277	7	8.2	0	28.1	66
12/09/2022 20:40	5.8	264	7	7.7	0	28	67
12/09/2022 20:50	5.2	274	7	6.9	0	27.9	68
12/09/2022 21:00	5.1	268	7	6.4	0	27.9	67
12/09/2022 21:10	4.9	263	7	6.2	0	27.9	66
12/09/2022 21:20	4.6	271	6	5.8	0	27.8	66
12/09/2022 21:30	5.3	260	6	6.2	0	27.8	65
12/09/2022 21:40	5.7	268	5	7.2	0	27.8	66
12/09/2022 21:50	5.7	271	7	7.5	0	27.8	66
12/09/2022 22:00	6.2	272	6	8	0	27.6	68
12/09/2022 22:10	5.9	271	7	7.9	0	27.5	69
12/09/2022 22:20	5.9	270	6	7.8	0	27.3	69
12/09/2022 22:30	6	262	7	7.9	0	27.3	68
12/09/2022 22:40	6	260	7	7.6	0	27.2	68
12/09/2022 22:50	6	264	5	7.3	0	27.1	67
12/09/2022 23:00	6.5	264	5	8.3	0	27.1	67
12/09/2022 23:10	6.2	267	6	8	0	27	69
12/09/2022 23:20	6	268	5	7.5	0	26.9	70
12/09/2022 23:30	6	270	5	7.5	0	26.8	71
12/09/2022 23:40	5.7	268	6	7.5	0	26.8	71
12/09/2022 23:50	5.8	266	5	7.7	0	26.8	71
12/10/2022 00:00	5.5	262	6	7.1	0	26.7	71
12/10/2022 00:10	5.8	263	5	7.3	0	26.7	71
12/10/2022 00:20	5.6	260	5	7.1	0	26.6	70



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/10/2022 00:30	5.6	262	5	7.2	0	26.6	67
12/10/2022 00:40	5.9	263	6	7.6	0	26.7	64
12/10/2022 00:50	5.3	263	5	6.9	0	26.7	64
12/10/2022 01:00	5.9	268	4	7.1	0	26.7	65
12/10/2022 01:10	6.2	265	5	7.8	0	26.7	66
12/10/2022 01:20	6.6	262	5	8.5	0	26.6	66
12/10/2022 01:30	6.2	259	6	7.6	0	26.5	67
12/10/2022 01:40	6.5	260	5	8.5	0	26.4	68
12/10/2022 01:50	5.9	260	6	7.7	0	26.3	67
12/10/2022 02:00	6.1	261	5	8	0	26.2	67
12/10/2022 02:10	5.9	261	5	7.1	0	26.2	66
12/10/2022 02:20	5.9	263	5	7.4	0	26.1	66
12/10/2022 02:30	6	265	5	7.7	0	26	66
12/10/2022 02:40	5.5	265	5	7.1	0	25.9	66
12/10/2022 02:50	5.1	262	5	6.3	0	25.9	65
12/10/2022 03:00	4.9	256	7	6.5	0	25.9	64
12/10/2022 03:10	4.5	261	6	5.8	0	25.9	62
12/10/2022 03:20	4.6	269	6	6.3	0	25.8	64
12/10/2022 03:30	4.9	273	5	6.8	0	25.5	67
12/10/2022 03:40	4.3	272	5	5.8	0	25.2	68
12/10/2022 03:50	4.8	263	12	6.6	0	25.4	66
12/10/2022 04:00	5.3	277	6	6.5	0	25.3	66
12/10/2022 04:10	5.6	269	5	6.9	0	25.3	65
12/10/2022 04:20	5	267	4	6	0	25.2	66
12/10/2022 04:30	5.1	265	4	6.2	0	25.2	65
12/10/2022 04:40	4.8	270	4	5.8	0	24.9	66
12/10/2022 04:50	4.2	266	5	5.1	0	24.9	65
12/10/2022 05:00	4.3	273	5	5.5	0	24.8	64
12/10/2022 05:10	4	272	6	5.5	0	25.2	62
12/10/2022 05:20	3.5	268	5	4.9	0	25.2	60
12/10/2022 05:30	3.1	274	5	4.1	0	25	60
12/10/2022 05:40	2.9	269	6	3.9	0	25.2	58
12/10/2022 05:50	3.1	267	7	4.3	0	25.3	58
12/10/2022 06:00	3.3	273	6	4.3	0	25.7	57
12/10/2022 06:10	3.1	269	8	4.4	0	26.1	56
12/10/2022 06:20	2.5	268	9	3.5	0	26.7	54
12/10/2022 06:30	2.5	271	10	3.8	0	27.1	53
12/10/2022 06:40	2.3	272	11	3.5	0	27.6	53
12/10/2022 06:50	2.5	273	10	4	0	28	51
12/10/2022 07:00	1.9	278	11	3.1	0	28.7	49
12/10/2022 07:10	1.9	268	12	3	0	29.4	46
12/10/2022 07:20	2.2	260	13	3.1	0	30.5	41
12/10/2022 07:30	2.4	254	14	3.6	0	31	39
12/10/2022 07:40	2.3	272	13	3.3	0	31.2	42
12/10/2022 07:50	2	256	16	2.9	0	31.9	38
12/10/2022 08:00	2.1	273	17	3.1	0	32.2	38
12/10/2022 08:10	2.4	261	17	3.5	0	32.6	37
12/10/2022 08:20	2.9	265	12	4	0	32.6	36



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/10/2022 08:30	2.9	272	11	4.2	0	32.9	37
12/10/2022 08:40	2.7	262	15	4.1	0	33.2	37
12/10/2022 08:50	2.8	259	12	3.7	0	33.4	37
12/10/2022 09:00	3.3	266	10	4.7	0	33.6	39
12/10/2022 09:10	2.9	271	12	4.1	0	33.7	39
12/10/2022 09:20	3.1	275	14	4.4	0	33.9	40
12/10/2022 09:30	3.6	276	11	5.6	0	34.4	39
12/10/2022 09:40	3.9	275	11	5.1	0	34.9	38
12/10/2022 09:50	4.1	270	9	5.7	0	35.3	37
12/10/2022 10:00	3.7	264	10	4.8	0	35.5	37
12/10/2022 10:10	4.2	262	11	5.7	0	36.3	34
12/10/2022 10:20	5	262	10	6.6	0	36.8	32
12/10/2022 10:30	5.5	266	7	6.9	0	36.2	35
12/10/2022 10:40	5.3	267	8	6.9	0	36.8	34
12/10/2022 10:50	5.3	271	8	6.8	0	37	33
12/10/2022 11:00	5.3	260	13	7.8	0	38	29
12/10/2022 11:10	6	261	10	8.2	0	38.7	27
12/10/2022 11:20	5.7	271	12	7.9	0	37.8	34
12/10/2022 11:30	6.2	275	8	8	0	36.4	38
12/10/2022 11:40	6.3	273	7	8.2	0	36.3	39
12/10/2022 11:50	6.3	273	9	8.4	0	36.1	40
12/10/2022 12:00	6.1	271	9	8.1	0	36.4	39
12/10/2022 12:10	6.3	269	9	8.3	0	37	37
12/10/2022 12:20	6.9	266	10	9	0	37.6	33
12/10/2022 12:30	7.2	264	11	10.2	0	37.9	32
12/10/2022 12:40	7.1	267	10	10.1	0	37.6	34
12/10/2022 12:50	8.2	260	10	10.8	0	38	29
12/10/2022 13:00	7.7	266	10	11.1	0	37.8	32
12/10/2022 13:10	7.5	261	11	10.7	0	38.3	29
12/10/2022 13:20	7.4	268	8	10.4	0	38.3	30
12/10/2022 13:30	7.4	268	10	11.9	0	38.1	31
12/10/2022 13:40	7.4	265	9	10.1	0	37.9	31
12/10/2022 13:50	7.1	267	9	9.4	0	38.2	29
12/10/2022 14:00	7.4	273	10	10	0	38.6	27
12/10/2022 14:10	7.8	265	8	10.5	0	38.4	28
12/10/2022 14:20	7.9	261	9	10.8	0	38.6	26
12/10/2022 14:30	7.5	268	9	9.7	0	38.7	27
12/10/2022 14:40	7.9	268	9	10.6	0	38.2	29
12/10/2022 14:50	8.4	267	8	11.6	0	38.3	28
12/10/2022 15:00	8.2	263	7	11.6	0	38	29
12/10/2022 15:10	8	264	8	11.4	0	38.2	29
12/10/2022 15:20	8.1	264	8	11	0	38.1	29
12/10/2022 15:30	8.2	263	9	10.9	0	37.9	30
12/10/2022 15:40	7.9	266	9	10.6	0	38	29
12/10/2022 15:50	8.3	262	11	11.8	0	38.3	26
12/10/2022 16:00	8.5	265	9	11	0	38.6	24
12/10/2022 16:10	8.3	260	10	11.4	0	38.9	23
12/10/2022 16:20	8.8	255	9	12.5	0	38.8	22



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/10/2022 16:30	7.9	260	9	10.6	0	39	23
12/10/2022 16:40	7.2	253	9	10.4	0	39.1	23
12/10/2022 16:50	7.1	256	12	10.4	0	38.9	23
12/10/2022 17:00	7.3	267	11	10.4	0	38.6	26
12/10/2022 17:10	7.5	263	7	11.2	0	38.1	27
12/10/2022 17:20	7	272	10	9.5	0	37.7	29
12/10/2022 17:30	6.6	267	10	8.6	0	37.4	29
12/10/2022 17:40	6.9	271	9	8.8	0	37	31
12/10/2022 17:50	6.7	273	9	8.8	0	36.8	33
12/10/2022 18:00	6.4	277	7	8.4	0	36.1	35
12/10/2022 18:10	6	275	6	7.5	0	35.6	37
12/10/2022 18:20	6	269	7	7.8	0	35.8	35
12/10/2022 18:30	4.5	286	8	6.7	0	35	40
12/10/2022 18:40	4.9	274	8	6.9	0	35.4	35
12/10/2022 18:50	5.2	294	8	8	0	34.8	38
12/10/2022 19:00	5.2	298	7	6.9	0	34.2	40
12/10/2022 19:10	5.5	277	7	7.1	0	33.5	43
12/10/2022 19:20	4.7	268	10	6.5	0	33.8	39
12/10/2022 19:30	5.5	269	9	7.3	0	34.4	34
12/10/2022 19:40	6.5	263	6	8.5	0	33.8	40
12/10/2022 19:50	5.3	267	7	7.2	0	32.6	47
12/10/2022 20:00	4.5	277	7	6.2	0	32.2	50
12/10/2022 20:10	4.2	261	7	5.7	0	32.1	47
12/10/2022 20:20	4.6	263	8	6	0	32.6	44
12/10/2022 20:30	4	276	8	5.2	0	32.8	41
12/10/2022 20:40	4.2	272	12	5.8	0	33.1	40
12/10/2022 20:50	3	270	12	4.4	0	32.6	44
12/10/2022 21:00	4.5	281	7	6.5	0	32.3	46
12/10/2022 21:10	5.6	270	6	7.3	0	32	46
12/10/2022 21:20	5.9	264	6	7.4	0	32.4	43
12/10/2022 21:30	4.5	275	6	6.2	0	32.3	43
12/10/2022 21:40	3.8	266	8	4.9	0	32.3	41
12/10/2022 21:50	3.6	252	9	5	0	32.7	37
12/10/2022 22:00	4	260	8	5.6	0	32.6	36
12/10/2022 22:10	3.9	267	9	5.1	0	32.8	33
12/10/2022 22:20	4.1	256	9	5.6	0	33.1	30
12/10/2022 22:30	4.3	272	7	5.9	0	32.8	34
12/10/2022 22:40	4.7	255	6	6.1	0	32.9	32
12/10/2022 22:50	4.2	248	8	5.6	0	33.3	30
12/10/2022 23:00	4.1	257	6	5.5	0	32.9	31
12/10/2022 23:10	4.4	255	6	5.5	0	32.9	31
12/10/2022 23:20	4.1	263	6	5.9	0	32.5	33
12/10/2022 23:30	3.8	271	7	5	0	31.4	43
12/10/2022 23:40	3.9	263	4	4.9	0	31.8	36
12/10/2022 23:50	4.2	261	6	5.5	0	32.1	30
12/11/2022 00:00	3.8	271	5	4.9	0	31.7	34
12/11/2022 00:10	3.9	269	5	5.1	0	31.7	33
12/11/2022 00:20	3.7	270	4	4.5	0	31.6	34



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/11/2022 00:30	3.5	271	5	4.5	0	31.3	37
12/11/2022 00:40	3.8	267	5	5	0	31.3	34
12/11/2022 00:50	3.9	272	5	4.5	0	31.4	31
12/11/2022 01:00	4.5	274	5	5.7	0	31.6	30
12/11/2022 01:10	4	271	6	5.2	0	31.3	32
12/11/2022 01:20	4.4	272	4	5.3	0	31	35
12/11/2022 01:30	3.7	273	6	4.8	0	30.7	35
12/11/2022 01:40	4	269	5	4.7	0	30.8	33
12/11/2022 01:50	4	268	4	4.8	0	31	30
12/11/2022 02:00	4	270	4	4.9	0	31	30
12/11/2022 02:10	3.9	266	7	4.9	0	30.8	31
12/11/2022 02:20	4	263	6	4.9	0	31	29
12/11/2022 02:30	3.6	268	7	5.1	0	30.8	29
12/11/2022 02:40	3.6	271	6	4.7	0	30.6	31
12/11/2022 02:50	3.8	267	7	4.8	0	30.3	33
12/11/2022 03:00	3.9	266	5	5.3	0	30.3	30
12/11/2022 03:10	3.8	267	6	4.8	0	30.2	29
12/11/2022 03:20	3.5	264	10	4.9	0	30.4	28
12/11/2022 03:30	3.2	270	9	4.5	0	30.5	28
12/11/2022 03:40	2.8	268	9	4	0	30.4	29
12/11/2022 03:50	2.6	269	12	4.3	0	30.5	31
12/11/2022 04:00	2.6	262	11	3.8	0	30.1	32
12/11/2022 04:10	3	259	11	4.4	0	30.1	31
12/11/2022 04:20	3	263	10	4.5	0	30	29
12/11/2022 04:30	2.7	265	11	4.4	0	29.7	29
12/11/2022 04:40	2.5	263	12	3.6	0	29.8	29
12/11/2022 04:50	2	251	23	3.6	0	29.9	29
12/11/2022 05:00	1.7	250	19	2.5	0	29.8	30
12/11/2022 05:10	1.4	243	20	2.1	0	29.7	30
12/11/2022 05:20	1.5	238	19	2.4	0	29.9	29
12/11/2022 05:30	1.5	252	13	2.4	0	29.7	30
12/11/2022 05:40	1.6	241	21	2.3	0	29.6	31
12/11/2022 05:50	2.3	232	20	4	0	30.4	29
12/11/2022 06:00	2.7	220	13	4.3	0	31.1	27
12/11/2022 06:10	3	216	9	4.3	0	31.8	24
12/11/2022 06:20	3.1	212	9	4.2	0	32.1	24
12/11/2022 06:30	3	211	9	4.3	0	32.5	23
12/11/2022 06:40	3.2	200	10	5.1	0	32.9	23
12/11/2022 06:50	3.2	198	12	4.6	0	33.3	22
12/11/2022 07:00	4.1	202	11	5.9	0	33.7	21
12/11/2022 07:10	3.7	201	11	5.9	0	34	21
12/11/2022 07:20	3.8	198	12	5.4	0	34.3	21
12/11/2022 07:30	3.9	201	11	5.6	0	34.5	21
12/11/2022 07:40	4.2	207	11	6.1	0	34.9	21
12/11/2022 07:50	3.9	204	10	5.4	0	35.3	20
12/11/2022 08:00	4.1	204	12	5.9	0	35.5	20
12/11/2022 08:10	3.5	205	11	4.9	0	35.9	20
12/11/2022 08:20	3.6	200	15	5.3	0	36.5	19



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/11/2022 08:30	3.9	200	12	5.4	0	36.9	19
12/11/2022 08:40	4	195	13	5.4	0	37.3	18
12/11/2022 08:50	3.9	207	15	6.8	0	37.7	19
12/11/2022 09:00	5.2	213	9	8.2	0	37.7	19
12/11/2022 09:10	4.6	207	12	6.5	0	38.1	18
12/11/2022 09:20	5.2	214	12	7.8	0	38.5	19
12/11/2022 09:30	5.2	222	14	7.7	0	38.7	19
12/11/2022 09:40	5.4	227	13	7.6	0	39	18
12/11/2022 09:50	5.8	245	14	8.8	0	39.2	21
12/11/2022 10:00	5.3	273	11	7.9	0	38.2	25
12/11/2022 10:10	5.2	273	9	7.1	0	38.4	24
12/11/2022 10:20	4.8	272	10	6.2	0	38.2	25
12/11/2022 10:30	4.9	268	9	6.4	0	38.2	25
12/11/2022 10:40	4.4	275	11	6.6	0	38.5	24
12/11/2022 10:50	4.3	284	11	5.7	0	39	22
12/11/2022 11:00	4.5	293	13	6.4	0	39	23
12/11/2022 11:10	4.4	299	13	6	0	38.7	25
12/11/2022 11:20	5.1	294	14	7.4	0	38.9	22
12/11/2022 11:30	4.4	318	14	6	0	37.5	33
12/11/2022 11:40	4.6	307	16	6.8	0	36.6	37
12/11/2022 11:50	5.7	289	10	7.6	0	37.3	29
12/11/2022 12:00	5.7	293	14	8.6	0	37.5	29
12/11/2022 12:10	6.3	291	10	8.6	0	37.7	29
12/11/2022 12:20	6.6	290	10	9.5	0	37.8	28
12/11/2022 12:30	5.4	295	10	7.9	0	36.9	35
12/11/2022 12:40	5.6	296	12	7.9	0	36.7	37
12/11/2022 12:50	6.1	294	11	8.4	0	36.7	37
12/11/2022 13:00	6.7	299	7	8.9	0	36.6	37
12/11/2022 13:10	7	283	11	10.3	0	37.2	33
12/11/2022 13:20	7.7	273	13	11	0	37.3	30
12/11/2022 13:30	8.5	272	9	11.8	0	37	29
12/11/2022 13:40	7.2	274	10	9.5	0	36.7	33
12/11/2022 13:50	7.8	275	9	10.2	0	36.3	35
12/11/2022 14:00	8.1	272	8	10.5	0	35.7	38
12/11/2022 14:10	8.3	272	9	11.6	0	35.7	38
12/11/2022 14:20	9.3	271	9	12.6	0	35.6	37
12/11/2022 14:30	8.7	273	9	11.9	0	35.6	38
12/11/2022 14:40	9.7	277	7	13.5	0	35.6	38
12/11/2022 14:50	9.7	276	7	13.6	0	34.9	40
12/11/2022 15:00	10.3	274	8	14.3	0	34.4	43
12/11/2022 15:10	10.1	270	7	14.4	0	34.7	42
12/11/2022 15:20	9.7	272	9	12.9	0	34.8	42
12/11/2022 15:30	9.5	275	8	13.1	0	35.1	40
12/11/2022 15:40	9.8	271	8	13.5	0	35.4	39
12/11/2022 15:50	9.5	265	8	13.3	0	35.7	36
12/11/2022 16:00	9.9	269	7	13.4	0	36	35
12/11/2022 16:10	9.9	265	8	13.2	0	35.6	36
12/11/2022 16:20	9.3	263	8	12.2	0	35.4	36





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/11/2022 16:30	8.8	262	8	12.9	0	35.2	36
12/11/2022 16:40	9.3	267	9	13	0	35	37
12/11/2022 16:50	9.1	262	7	12.9	0	34.5	39
12/11/2022 17:00	9.3	257	8	12.3	0	34	41
12/11/2022 17:10	9.1	259	9	12.7	0	33.7	43
12/11/2022 17:20	8.2	266	7	12	0	32.9	46
12/11/2022 17:30	8.5	269	8	11.6	0	32.1	50
12/11/2022 17:40	8.8	270	7	11.9	0	31.7	52
12/11/2022 17:50	7.6	269	8	11.3	0	31.6	53
12/11/2022 18:00	7.2	269	9	10.9	0	31	57
12/11/2022 18:10	6.7	268	7	9.6	0	31	57
12/11/2022 18:20	8.2	266	7	11.9	0	31	55
12/11/2022 18:30	8.4	266	7	12	0	30.7	55
12/11/2022 18:40	8	268	7	10.9	0	30.4	57
12/11/2022 18:50	8.2	266	6	10.7	0	30.1	58
12/11/2022 19:00	8.1	265	6	11.1	0	29.9	59
12/11/2022 19:10	8.3	266	7	11.5	0	29.6	60
12/11/2022 19:20	8.5	265	7	11.3	0	29.4	61
12/11/2022 19:30	7.8	262	7	10.5	0	29.4	60
12/11/2022 19:40	7.4	257	7	10.7	0	29.4	58
12/11/2022 19:50	7.1	256	7	9.9	0	29.4	58
12/11/2022 20:00	7.9	260	7	10.6	0	29.4	57
12/11/2022 20:10	7.8	261	5	10.5	0	29.4	57
12/11/2022 20:20	7.5	263	6	9.9	0	29.3	58
12/11/2022 20:30	7.7	265	8	10.2	0	29.2	59
12/11/2022 20:40	8.1	265	6	11.1	0	29.1	61
12/11/2022 20:50	7.1	261	7	9	0	29	63
12/11/2022 21:00	8	264	7	10.3	0	28.8	66
12/11/2022 21:10	7.4	263	5	9.7	0	28.7	68
12/11/2022 21:20	7.1	265	6	9.2	0	28.6	68
12/11/2022 21:30	6.8	266	6	9.2	0	28.6	68
12/11/2022 21:40	6.7	268	7	9.1	0	28.6	69
12/11/2022 21:50	7.6	266	6	9.6	0	28.6	68
12/11/2022 22:00	7.5	266	6	10.5	0	28.5	69
12/11/2022 22:10	7.2	267	6	8.7	0	28.4	69
12/11/2022 22:20	6.6	266	6	8.4	0	28.3	70
12/11/2022 22:30	6.5	262	6	8.8	0	28.3	70
12/11/2022 22:40	6.9	261	7	9.1	0	28.2	68
12/11/2022 22:50	8.1	264	7	11.5	0	28.3	67
12/11/2022 23:00	7.7	264	7	9.9	0	28.3	67
12/11/2022 23:10	7.2	264	6	9.3	0	28.3	68
12/11/2022 23:20	7	263	7	9.3	0	28.2	69
12/11/2022 23:30	6.9	261	7	9.1	0	28.2	69
12/11/2022 23:40	6.9	261	6	8.9	0	28.1	68
12/11/2022 23:50	7.7	262	6	10.1	0	28.1	68
12/12/2022 00:00	7.6	259	6	10.2	0	28.1	67
12/12/2022 00:10	7.8	259	7	9.8	0	28.1	67
12/12/2022 00:20	7.6	258	6	9.7	0	28	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/12/2022 00:30	6.6	256	7	8.7	0	27.9	67
12/12/2022 00:40	7	260	7	8.8	0	27.9	67
12/12/2022 00:50	6.6	260	7	9.6	0	27.9	67
12/12/2022 01:00	6.4	262	7	8.9	0	27.9	67
12/12/2022 01:10	6.9	261	7	9.4	0	27.9	67
12/12/2022 01:20	6.6	260	8	9.4	0	27.9	66
12/12/2022 01:30	6.9	263	6	9.2	0	27.8	67
12/12/2022 01:40	6.6	263	7	8.6	0	27.8	68
12/12/2022 01:50	7.2	259	7	9.3	0	27.7	67
12/12/2022 02:00	7.1	258	6	9.6	0	27.8	65
12/12/2022 02:10	7.3	261	7	9.7	0	27.9	64
12/12/2022 02:20	6.9	257	6	9.1	0	27.8	63
12/12/2022 02:30	5.8	256	6	8.3	0	27.8	63
12/12/2022 02:40	6.4	260	7	8.9	0	27.8	61
12/12/2022 02:50	7.2	262	6	9.3	0	27.8	61
12/12/2022 03:00	7.2	262	6	9.4	0	27.7	62
12/12/2022 03:10	7.1	260	6	9.3	0	27.6	63
12/12/2022 03:20	6.5	262	6	8.8	0	27.4	63
12/12/2022 03:30	6.4	267	6	8.1	0	27.3	63
12/12/2022 03:40	5.4	265	6	7.1	0	27.1	63
12/12/2022 03:50	5.6	269	6	7.4	0	27	63
12/12/2022 04:00	5.9	272	5	7.3	0	26.9	63
12/12/2022 04:10	4.9	271	6	6.2	0	26.8	63
12/12/2022 04:20	6	272	5	7.5	0	26.8	62
12/12/2022 04:30	5.5	271	5	6.8	0	26.7	62
12/12/2022 04:40	5.7	268	5	7.6	0	26.6	61
12/12/2022 04:50	6	267	5	7.3	0	26.6	61
12/12/2022 05:00	6.3	266	5	8	0	26.5	60
12/12/2022 05:10	5.9	263	5	7.7	0	26.5	60
12/12/2022 05:20	6.3	264	6	7.7	0	26.4	59
12/12/2022 05:30	6.3	260	6	7.9	0	26.4	59
12/12/2022 05:40	5.8	261	6	7.5	0	26.4	59
12/12/2022 05:50	5.7	261	6	7.2	0	26.4	58
12/12/2022 06:00	5.6	261	5	7.3	0	26.5	57
12/12/2022 06:10	5.9	263	5	7.7	0	26.7	56
12/12/2022 06:20	6	265	5	7.2	0	27	55
12/12/2022 06:30	6	266	5	7.6	0	27.2	54
12/12/2022 06:40	5.7	264	6	7.8	0	27.6	52
12/12/2022 06:50	5.9	265	6	7.9	0	28	51
12/12/2022 07:00	5.7	262	6	7.2	0	28.4	50
12/12/2022 07:10	6	265	5	7.9	0	28.9	48
12/12/2022 07:20	5.9	266	5	7.4	0	29.5	46
12/12/2022 07:30	6.1	268	4	7.1	0	30	44
12/12/2022 07:40	6.3	268	5	7.5	0	30.7	42
12/12/2022 07:50	6.2	266	6	7.4	0	31.1	40
12/12/2022 08:00	5.5	267	6	6.7	0	31.5	40
12/12/2022 08:10	5.3	269	9	6.8	0	31.4	41
12/12/2022 08:20	5.2	279	8	6.8	0	31.4	43



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/12/2022 08:30	4.7	273	11	6.5	0	32	41
12/12/2022 08:40	4.6	263	10	6.1	0	32.6	39
12/12/2022 08:50	4.6	263	10	5.9	0	32.7	38
12/12/2022 09:00	4.2	263	10	5.5	0	33.2	37
12/12/2022 09:10	4.1	277	10	5.7	0	32.9	41
12/12/2022 09:20	4.2	288	9	5.4	0	32.7	43
12/12/2022 09:30	4.2	287	11	5.6	0	32.9	42
12/12/2022 09:40	4.4	287	9	5.7	0	33.7	41
12/12/2022 09:50	4.9	282	8	6.2	0	33.3	43
12/12/2022 10:00	5.3	281	7	6.4	0	33.7	42
12/12/2022 10:10	5.3	284	9	6.6	0	34	43
12/12/2022 10:20	5.5	285	8	7	0	33.8	44
12/12/2022 10:30	5.5	280	8	6.8	0	33.9	42
12/12/2022 10:40	5.3	273	7	6.6	0	34.2	41
12/12/2022 10:50	5	282	10	6.2	0	34.6	41
12/12/2022 11:00	5.6	280	9	7.3	0	34.3	43
12/12/2022 11:10	5.9	276	9	7.7	0	34.8	40
12/12/2022 11:20	5.5	276	9	7.2	0	35.7	37
12/12/2022 11:30	5.8	272	9	7.7	0	35.5	39
12/12/2022 11:40	5.8	270	8	7.5	0	35.4	42
12/12/2022 11:50	5.9	265	10	7.7	0	35.7	41
12/12/2022 12:00	7.7	265	5	9.4	0	34.3	45
12/12/2022 12:10	8.2	267	6	10.5	0	33.8	45
12/12/2022 12:20	7.8	273	9	10.2	0	34.1	45
12/12/2022 12:30	8.7	273	6	11	0	33.2	48
12/12/2022 12:40	8.4	273	7	10.7	0	32.9	51
12/12/2022 12:50	7.6	271	7	9.9	0	33.3	50
12/12/2022 13:00	7.5	273	8	10.1	0	34.1	49
12/12/2022 13:10	7.9	272	7	10	0	33.9	47
12/12/2022 13:20	8	266	9	10.1	0	34	47
12/12/2022 13:30	8.4	274	7	10.3	0	34	46
12/12/2022 13:40	8.7	280	6	11.7	0	33.8	46
12/12/2022 13:50	8.3	280	6	10.6	0	33.5	49
12/12/2022 14:00	7.9	279	8	10.1	0	32.9	53
12/12/2022 14:10	8.9	266	6	12	0	32.5	53
12/12/2022 14:20	9.2	266	7	11.7	0	32.5	54
12/12/2022 14:30	8	275	8	10.3	0	32.3	56
12/12/2022 14:40	8.3	276	7	10.8	0	32.1	57
12/12/2022 14:50	7.9	274	8	10.8	0	32.5	56
12/12/2022 15:00	9.2	276	6	11.3	0	32.2	55
12/12/2022 15:10	8.6	273	8	11.9	0	32.4	54
12/12/2022 15:20	9.7	275	5	12.8	0	32.6	51
12/12/2022 15:30	10.2	273	6	12.9	0	32	52
12/12/2022 15:40	9.5	273	6	12.3	0	32.1	53
12/12/2022 15:50	8.6	275	7	11.5	0	32.6	52
12/12/2022 16:00	9.7	276	6	12.5	0	32.4	52
12/12/2022 16:10	9	270	7	11.7	0	32.3	53
12/12/2022 16:20	9.3	269	6	12.8	0	32.1	53



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/12/2022 16:30	9.3	271	8	13	0	32.3	52
12/12/2022 16:40	10	269	6	12.4	0	31.8	54
12/12/2022 16:50	9	268	6	11.7	0	31.7	55
12/12/2022 17:00	9.1	273	7	11.2	0	31.7	56
12/12/2022 17:10	7.5	269	9	10.7	0	32	54
12/12/2022 17:20	8.1	269	9	11.1	0	31.8	55
12/12/2022 17:30	7.5	271	8	10.5	0	31.8	56
12/12/2022 17:40	8.1	272	7	10.3	0	31.3	58
12/12/2022 17:50	7.6	271	8	10.3	0	31	60
12/12/2022 18:00	7.9	273	7	10.8	0	30.5	63
12/12/2022 18:10	8	270	7	10.9	0	30.2	64
12/12/2022 18:20	7	270	8	10	0	30	66
12/12/2022 18:30	6.7	269	7	9.3	0	29.7	67
12/12/2022 18:40	7.2	267	7	9.2	0	29.4	66
12/12/2022 18:50	6.7	267	7	9.5	0	29.2	66
12/12/2022 19:00	6.1	263	7	8.8	0	29.3	66
12/12/2022 19:10	6.7	262	7	9.7	0	29.3	65
12/12/2022 19:20	6.4	259	7	8.8	0	29.2	66
12/12/2022 19:30	6.5	259	6	8.2	0	29.2	67
12/12/2022 19:40	7.2	261	7	10.2	0	29.2	67
12/12/2022 19:50	7.5	259	8	10.4	0	29.1	68
12/12/2022 20:00	7.1	264	7	9.8	0	29.1	68
12/12/2022 20:10	7.1	266	6	9.5	0	29.2	67
12/12/2022 20:20	7.7	267	6	10.5	0	29.1	67
12/12/2022 20:30	6.9	265	8	9.8	0	29	68
12/12/2022 20:40	7.5	265	7	10	0	28.8	70
12/12/2022 20:50	7.3	265	8	10.3	0	28.8	71
12/12/2022 21:00	7.2	264	6	9.3	0	28.7	71
12/12/2022 21:10	7.4	260	6	9.5	0	28.7	71
12/12/2022 21:20	7.5	257	7	10.2	0	28.6	72
12/12/2022 21:30	6.9	261	6	9.3	0	28.5	72
12/12/2022 21:40	7.5	263	6	10.5	0	28.5	72
12/12/2022 21:50	6.8	262	7	9.3	0	28.5	72
12/12/2022 22:00	7.4	261	7	9.3	0	28.5	72
12/12/2022 22:10	7.9	264	5	10.8	0	28.5	72
12/12/2022 22:20	6.9	256	7	9.4	0	28.5	72
12/12/2022 22:30	7	262	6	8.9	0	28.4	73
12/12/2022 22:40	7.4	262	6	9.6	0	28.4	72
12/12/2022 22:50	6.6	263	6	8.5	0	28.4	72
12/12/2022 23:00	6.2	263	6	8.4	0	28.4	71
12/12/2022 23:10	6.7	265	5	8.6	0	28.5	69
12/12/2022 23:20	6.4	263	5	9.3	0	28.5	70
12/12/2022 23:30	6.8	267	6	8.8	0	28.5	69
12/12/2022 23:40	6.6	266	5	8.4	0	28.5	70
12/12/2022 23:50	6.4	267	7	8.1	0	28.4	70
13/12/2022 00:00	5.8	267	6	7.3	0	28.4	69
13/12/2022 00:10	5.8	266	5	7.4	0	28.4	69
13/12/2022 00:20	5.7	264	6	7.7	0	28.4	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/12/2022 00:30	5.5	266	7	7.5	0	28.4	64
13/12/2022 00:40	5.7	267	6	7.3	0	28.5	63
13/12/2022 00:50	5.5	268	6	6.7	0	28.4	63
13/12/2022 01:00	5.4	266	6	7.1	0	28.3	61
13/12/2022 01:10	5	263	7	6.5	0	28.3	60
13/12/2022 01:20	5.1	265	6	6.6	0	28.4	57
13/12/2022 01:30	5.5	266	5	7	0	28.4	54
13/12/2022 01:40	5.4	266	6	7	0	28.4	53
13/12/2022 01:50	5.6	267	5	6.8	0	28.4	51
13/12/2022 02:00	5.3	265	6	6.7	0	28.4	50
13/12/2022 02:10	5.5	267	5	7.3	0	28.5	48
13/12/2022 02:20	5.4	266	5	7.2	0	28.5	46
13/12/2022 02:30	5.1	266	5	6.3	0	28.5	45
13/12/2022 02:40	4.7	263	6	5.8	0	28.6	44
13/12/2022 02:50	4.7	264	6	5.7	0	28.6	44
13/12/2022 03:00	4.7	268	4	5.6	0	28.5	44
13/12/2022 03:10	5	266	5	6	0	28.5	44
13/12/2022 03:20	4.8	267	5	5.9	0	28.5	44
13/12/2022 03:30	4.7	268	3	5.5	0	28.3	47
13/12/2022 03:40	4.9	270	4	5.8	0	28.3	49
13/12/2022 03:50	5.2	271	4	6.5	0	28.2	49
13/12/2022 04:00	5.4	271	5	6.6	0	28.3	48
13/12/2022 04:10	4.9	271	5	6	0	28.2	49
13/12/2022 04:20	4.4	270	5	5.4	0	28	49
13/12/2022 04:30	4.4	274	5	5.5	0	28	49
13/12/2022 04:40	4.5	275	6	5.6	0	28	49
13/12/2022 04:50	4	273	6	5	0	27.9	49
13/12/2022 05:00	3.6	271	6	4.7	0	27.9	50
13/12/2022 05:10	4.1	275	5	5.1	0	27.9	50
13/12/2022 05:20	4.5	276	5	5.6	0	28	50
13/12/2022 05:30	4.9	274	4	5.8	0	27.9	51
13/12/2022 05:40	4.4	273	5	5.5	0	27.8	52
13/12/2022 05:50	5.1	273	5	6	0	27.9	53
13/12/2022 06:00	5.1	271	5	6.4	0	28.1	53
13/12/2022 06:10	5.2	271	4	6.4	0	28.2	54
13/12/2022 06:20	4.8	272	4	6	0	28.2	54
13/12/2022 06:30	5	271	5	6.1	0	28.4	53
13/12/2022 06:40	5	269	6	6.4	0	28.5	54
13/12/2022 06:50	5	267	6	6.3	0	28.4	56
13/12/2022 07:00	4.7	274	6	6	0	28.7	55
13/12/2022 07:10	5.2	270	5	6.5	0	29.2	52
13/12/2022 07:20	5.7	269	5	7.2	0	29.8	47
13/12/2022 07:30	5.3	268	7	7.1	0	29.7	49
13/12/2022 07:40	6.4	270	4	7.7	0	30.1	47
13/12/2022 07:50	5.3	271	7	6.6	0	30.5	45
13/12/2022 08:00	5.2	277	5	6.4	0	30.1	47
13/12/2022 08:10	4.5	271	10	5.9	0	31.4	44
13/12/2022 08:20	4.2	266	11	5.3	0	32.4	39



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/12/2022 08:30	4	264	9	5.2	0	33.1	37
13/12/2022 08:40	4	272	9	4.9	0	33.3	39
13/12/2022 08:50	4.6	273	8	5.9	0	33.4	41
13/12/2022 09:00	5	270	8	6.1	0	32.8	44
13/12/2022 09:10	4.8	274	12	6.3	0	33.4	44
13/12/2022 09:20	4.8	286	9	6.4	0	33	45
13/12/2022 09:30	5.4	285	8	6.9	0	33.1	46
13/12/2022 09:40	5.9	284	8	7.3	0	32.5	47
13/12/2022 09:50	6.5	281	7	7.6	0	32.1	50
13/12/2022 10:00	6.2	278	7	7.6	0	32.4	49
13/12/2022 10:10	6.1	284	6	7.5	0	32.7	50
13/12/2022 10:20	6.1	283	7	7.8	0	32.7	50
13/12/2022 10:30	6.4	281	7	7.8	0	32.6	50
13/12/2022 10:40	6	279	9	7.8	0	32.9	50
13/12/2022 10:50	5.5	279	11	7.3	0	33.4	52
13/12/2022 11:00	5.7	274	9	7.6	0	32.7	53
13/12/2022 11:10	5.1	281	11	6.7	0	32.4	55
13/12/2022 11:20	4.6	273	10	6.3	0	33.3	51
13/12/2022 11:30	4.8	273	10	6.5	0	33.6	51
13/12/2022 11:40	4.7	275	12	6.3	0	34	48
13/12/2022 11:50	4.9	285	10	6.2	0	34.1	47
13/12/2022 12:00	5.4	289	9	7	0	34.5	44
13/12/2022 12:10	5.5	285	11	7	0	34.7	42
13/12/2022 12:20	4.6	283	12	6.2	0	34.7	45
13/12/2022 12:30	4.9	276	10	6.7	0	34.9	46
13/12/2022 12:40	4.6	271	10	6.6	0	35.3	46
13/12/2022 12:50	4.8	273	11	6.4	0	34.9	48
13/12/2022 13:00	4.9	268	11	6.9	0	34.5	51
13/12/2022 13:10	5.2	272	11	7.6	0	34.5	50
13/12/2022 13:20	5.6	267	8	7.5	0	34.2	51
13/12/2022 13:30	5.3	271	11	6.7	0	34.5	50
13/12/2022 13:40	5.4	263	11	7.4	0	34.6	50
13/12/2022 13:50	5.3	267	12	7.2	0	34.5	49
13/12/2022 14:00	5.1	269	10	7.2	0	34.7	48
13/12/2022 14:10	4.5	287	16	6.8	0	35.5	44
13/12/2022 14:20	4.5	294	16	6.7	0	36.2	40
13/12/2022 14:30	4.9	288	12	7.2	0	35.9	41
13/12/2022 14:40	5.8	276	11	7.4	0	35.6	47
13/12/2022 14:50	5.7	281	10	7.8	0	34.8	50
13/12/2022 15:00	5.3	281	11	6.8	0	35	49
13/12/2022 15:10	5.1	300	13	7.1	0	35	48
13/12/2022 15:20	5.7	296	15	7.9	0	34.5	49
13/12/2022 15:30	5.4	293	9	7.2	0	34.2	50
13/12/2022 15:40	4.6	306	21	6.9	0	34.7	48
13/12/2022 15:50	4.2	295	15	6.1	0	35.1	47
13/12/2022 16:00	5	293	12	6.9	0	34.7	47
13/12/2022 16:10	5.9	288	9	8	0	34.2	47
13/12/2022 16:20	6.1	285	8	7.5	0	33.3	50



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/12/2022 16:30	5.6	292	7	7.3	0	33.2	49
13/12/2022 16:40	5.4	300	8	7.4	0	33.4	48
13/12/2022 16:50	5.8	293	10	7.8	0	33.2	47
13/12/2022 17:00	6.3	295	6	8.2	0	32.8	48
13/12/2022 17:10	6.3	293	10	8.7	0	32.5	47
13/12/2022 17:20	7.5	281	7	10.3	0	32.9	40
13/12/2022 17:30	6.7	285	8	9.5	0	32.9	42
13/12/2022 17:40	7	287	9	9.9	0	32.8	39
13/12/2022 17:50	7.6	284	9	10.3	0	32.5	39
13/12/2022 18:00	8	282	7	10.5	0	31.9	44
13/12/2022 18:10	7	284	8	10.1	0	31.4	48
13/12/2022 18:20	6.9	281	10	9.3	0	31	52
13/12/2022 18:30	6.8	280	7	9.1	0	30.5	55
13/12/2022 18:40	6.1	279	9	9	0	30.1	58
13/12/2022 18:50	6.5	271	8	8.6	0	29.7	61
13/12/2022 19:00	6.6	273	7	8.7	0	29.3	64
13/12/2022 19:10	6.5	277	8	9.3	0	29.1	66
13/12/2022 19:20	6.8	279	8	9.3	0	28.9	68
13/12/2022 19:30	6.6	278	8	8.6	0	28.8	69
13/12/2022 19:40	6.1	280	8	8.4	0	28.7	70
13/12/2022 19:50	5.8	275	8	7.9	0	28.7	70
13/12/2022 20:00	6.8	276	6	8.4	0	28.7	70
13/12/2022 20:10	6.8	272	7	8.6	0	29	67
13/12/2022 20:20	6.3	267	8	8.3	0	29.2	65
13/12/2022 20:30	6.6	264	7	9.5	0	29.2	63
13/12/2022 20:40	6.2	263	7	8.4	0	29.2	63
13/12/2022 20:50	6.9	264	7	9.3	0	29.3	61
13/12/2022 21:00	6.4	264	6	8.4	0	29.4	61
13/12/2022 21:10	6.3	264	7	8.5	0	29.3	62
13/12/2022 21:20	6	266	7	8.2	0	29.3	62
13/12/2022 21:30	6.4	265	6	8.1	0	29.1	64
13/12/2022 21:40	6.3	263	6	8.8	0	29	64
13/12/2022 21:50	6	263	6	7.8	0	28.9	66
13/12/2022 22:00	6.5	264	5	8.8	0	28.8	68
13/12/2022 22:10	6	264	6	8.1	0	28.7	69
13/12/2022 22:20	6.4	265	6	8.4	0	28.5	70
13/12/2022 22:30	6.3	262	7	8.5	0	28.5	70
13/12/2022 22:40	6.1	264	6	7.8	0	28.4	71
13/12/2022 22:50	5.6	266	6	7.3	0	28.3	71
13/12/2022 23:00	5.5	267	6	7.5	0	28.3	71
13/12/2022 23:10	5.7	269	6	7.3	0	28.3	70
13/12/2022 23:20	5.5	269	7	7.4	0	28.3	69
13/12/2022 23:30	6.6	264	7	8.7	0	28.4	65
13/12/2022 23:40	6.6	264	6	8.5	0	28.5	64
13/12/2022 23:50	6.3	268	6	8.1	0	28.4	64
14/12/2022 00:00	6.1	267	6	8.1	0	28.4	63
14/12/2022 00:10	5.7	269	7	7.8	0	28.4	63
14/12/2022 00:20	5.5	272	6	7.2	0	28.2	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/12/2022 00:30	5.1	267	6	6.7	0	28.1	64
14/12/2022 00:40	5.2	265	7	7.4	0	28.2	64
14/12/2022 00:50	4.9	270	7	6.5	0	28.2	64
14/12/2022 01:00	5	269	6	6.5	0	28.1	64
14/12/2022 01:10	4.6	269	6	5.7	0	28.1	63
14/12/2022 01:20	3.9	271	7	5	0	28	63
14/12/2022 01:30	4.2	273	6	5.4	0	28	63
14/12/2022 01:40	4.7	275	6	5.7	0	28	63
14/12/2022 01:50	4.5	269	5	5.9	0	28	63
14/12/2022 02:00	4.9	268	5	5.9	0	27.9	63
14/12/2022 02:10	5	267	5	6	0	27.9	63
14/12/2022 02:20	5.3	267	5	6.6	0	27.9	63
14/12/2022 02:30	5.3	266	6	6.7	0	27.9	63
14/12/2022 02:40	4.8	267	5	6.2	0	27.8	64
14/12/2022 02:50	5	267	6	6.6	0	27.8	63
14/12/2022 03:00	4.6	265	6	5.9	0	27.7	62
14/12/2022 03:10	3.8	257	7	5.4	0	27.6	62
14/12/2022 03:20	3.8	260	5	4.6	0	27.4	63
14/12/2022 03:30	3.8	257	5	5	0	27.3	62
14/12/2022 03:40	3.5	259	6	4.4	0	27.1	62
14/12/2022 03:50	3.4	266	4	4.2	0	26.9	62
14/12/2022 04:00	3.6	266	6	4.5	0	26.8	62
14/12/2022 04:10	3	275	6	4.1	0	26.7	62
14/12/2022 04:20	3.4	275	5	4.5	0	26.9	57
14/12/2022 04:30	3	265	5	3.6	0	27.1	55
14/12/2022 04:40	3.5	264	3	4.2	0	26.8	56
14/12/2022 04:50	3.1	269	4	4.1	0	26.7	57
14/12/2022 05:00	2.7	267	5	3.4	0	26.8	56
14/12/2022 05:10	3.5	266	3	4.3	0	26.6	57
14/12/2022 05:20	3.4	273	4	4.2	0	26.6	59
14/12/2022 05:30	2.6	276	6	3.3	0	26.8	58
14/12/2022 05:40	2.5	264	4	2.9	0	26.8	56
14/12/2022 05:50	3.3	268	2	3.6	0	26.8	54
14/12/2022 06:00	2.8	272	4	3.4	0	27	51
14/12/2022 06:10	3.6	268	4	4.4	0	27.5	49
14/12/2022 06:20	3.8	263	5	4.8	0	27.8	48
14/12/2022 06:30	3.1	264	6	4.1	0	28.3	46
14/12/2022 06:40	3.2	267	8	4.2	0	28.8	44
14/12/2022 06:50	3	265	9	3.7	0	29.2	42
14/12/2022 07:00	2.3	255	12	3.5	0	29.7	42
14/12/2022 07:10	1.9	242	19	3.1	0	30.4	40
14/12/2022 07:20	3.9	112	14	5.9	0	29.7	51
14/12/2022 07:30	2.1	136	15	3.7	0	29.4	50
14/12/2022 07:40	2.3	131	18	3.3	0	30.2	44
14/12/2022 07:50	2.4	100	16	3.7	0	30.7	49
14/12/2022 08:00	2.4	91	15	3.6	0	30.5	54
14/12/2022 08:10	3.4	83	10	5	0	30.2	61
14/12/2022 08:20	3.6	85	11	5	0	29.9	66





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/12/2022 08:30	3.9	74	10	5.4	0	30.1	67
14/12/2022 08:40	4.6	65	9	6.2	0	30	69
14/12/2022 08:50	4.9	72	10	7.1	0	30	72
14/12/2022 09:00	4.7	70	8	6.3	0	29.9	73
14/12/2022 09:10	4	69	9	5.8	0	30.2	73
14/12/2022 09:20	3.9	67	13	5.7	0	30.6	71
14/12/2022 09:30	4.3	84	14	6.6	0	31.1	70
14/12/2022 09:40	5.4	86	12	7.5	0	31.7	62
14/12/2022 09:50	5.8	77	8	7.5	0	31	61
14/12/2022 10:00	6	81	8	7.9	0	30.8	64
14/12/2022 10:10	6.2	84	7	7.9	0	30.6	66
14/12/2022 10:20	6.2	86	6	8	0	30.5	68
14/12/2022 10:30	5.7	83	8	7.1	0	30.9	68
14/12/2022 10:40	5.3	78	10	8	0	31.4	66
14/12/2022 10:50	5.8	84	8	8.1	0	31.3	66
14/12/2022 11:00	6	84	10	8.3	0	30.6	69
14/12/2022 11:10	5.6	65	12	7.8	0	30.6	70
14/12/2022 11:20	5.9	58	9	8.6	0	30.4	71
14/12/2022 11:30	5.6	62	11	7.7	0	30.6	70
14/12/2022 11:40	5.9	57	12	9	0	30.7	70
14/12/2022 11:50	5.8	62	11	8.8	0	30.8	69
14/12/2022 12:00	5.4	67	12	8	0	31.4	67
14/12/2022 12:10	5.9	70	10	8.5	0	31.4	67
14/12/2022 12:20	5.6	65	12	7.9	0	31.3	67
14/12/2022 12:30	6.2	67	11	8.7	0	31.5	67
14/12/2022 12:40	7	72	9	10	0	31.4	67
14/12/2022 12:50	7.2	73	9	9.7	0	31.2	67
14/12/2022 13:00	7.3	62	11	9.9	0	31.3	66
14/12/2022 13:10	7.9	63	9	10.3	0	31.3	66
14/12/2022 13:20	8	61	9	11.4	0	31.5	66
14/12/2022 13:30	8.2	62	9	10.8	0	31.7	65
14/12/2022 13:40	8	64	9	10.8	0	31.7	65
14/12/2022 13:50	7.8	72	8	10.3	0	31.7	66
14/12/2022 14:00	7.7	71	7	9.8	0	31.7	65
14/12/2022 14:10	7.3	69	8	9.5	0	31.8	65
14/12/2022 14:20	7.7	71	6	9.5	0	31.6	65
14/12/2022 14:30	7.2	68	8	9.6	0	32	64
14/12/2022 14:40	7	69	8	8.7	0	31.7	65
14/12/2022 14:50	7.2	70	8	9.5	0	31.7	66
14/12/2022 15:00	6.3	68	9	8.4	0	31.7	65
14/12/2022 15:10	4.9	34	12	7.1	0	32.8	61
14/12/2022 15:20	5	355	14	7.2	0	33.2	58
14/12/2022 15:30	5.1	177	14	7.4	0	32.5	61
14/12/2022 15:40	4.7	347	16	6.9	0	32.3	65
14/12/2022 15:50	4.9	343	14	7.1	0	31.9	67
14/12/2022 16:00	5.9	335	12	7.6	0	31.2	69
14/12/2022 16:10	5.7	350	11	7.8	0	30.9	70
14/12/2022 16:20	6.1	343	12	8.7	0	30.9	70



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/12/2022 16:30	6.8	335	9	9.3	0	30.4	71
14/12/2022 16:40	6.5	331	9	8.9	0	30	73
14/12/2022 16:50	6.4	329	10	8.6	0	29.7	74
14/12/2022 17:00	6.1	335	13	8.3	0	29.7	74
14/12/2022 17:10	6.1	338	12	8.4	0	29.6	74
14/12/2022 17:20	5.8	333	9	7.8	0	29.4	74
14/12/2022 17:30	5.6	338	13	7.8	0	29.3	74
14/12/2022 17:40	5.3	337	14	7.6	0	29.3	74
14/12/2022 17:50	5.8	335	9	8	0	29	74
14/12/2022 18:00	6	324	11	8.2	0	28.8	74
14/12/2022 18:10	5.3	326	12	7	0	28.8	74
14/12/2022 18:20	4.5	319	11	7	0	28.8	73
14/12/2022 18:30	3.8	308	13	5.6	0	28.8	73
14/12/2022 18:40	4.7	289	10	6.5	0	28.7	73
14/12/2022 18:50	5	288	9	7.2	0	28.3	73
14/12/2022 19:00	5.4	282	7	7.7	0	28.4	73
14/12/2022 19:10	5.5	276	9	7.7	0	28.3	73
14/12/2022 19:20	5.8	268	8	7.8	0	28.1	73
14/12/2022 19:30	6	269	8	7.6	0	28.1	72
14/12/2022 19:40	5.7	282	8	8	0	28.1	68
14/12/2022 19:50	6.4	279	6	8.5	0	28.5	59
14/12/2022 20:00	6.8	276	6	8.5	0	28.5	61
14/12/2022 20:10	6.6	275	5	8.4	0	28.4	63
14/12/2022 20:20	5.6	276	6	7.8	0	28.3	62
14/12/2022 20:30	5.9	277	7	7.8	0	28.3	61
14/12/2022 20:40	5.8	278	6	7.4	0	28.4	59
14/12/2022 20:50	5.3	281	6	6.8	0	28.4	60
14/12/2022 21:00	5.4	280	6	6.8	0	28.4	60
14/12/2022 21:10	5.5	280	7	7.5	0	28.4	60
14/12/2022 21:20	5.7	281	7	7.9	0	28.5	60
14/12/2022 21:30	5.5	278	7	7.4	0	28.4	62
14/12/2022 21:40	5.7	277	8	7.9	0	28.3	65
14/12/2022 21:50	6.1	275	7	8	0	28.1	67
14/12/2022 22:00	6.5	275	6	8	0	28	69
14/12/2022 22:10	7.7	277	5	9.7	0	28	71
14/12/2022 22:20	7.7	276	5	9.5	0	28	72
14/12/2022 22:30	7	277	7	9.1	0	27.9	72
14/12/2022 22:40	7	273	6	9.6	0	27.7	72
14/12/2022 22:50	7.3	275	6	9	0	27.6	72
14/12/2022 23:00	7.3	275	6	9.7	0	27.6	72
14/12/2022 23:10	7.2	273	6	9.5	0	27.5	72
14/12/2022 23:20	6.8	268	6	9.4	0	27.6	72
14/12/2022 23:30	6.9	275	5	8.7	0	27.6	72
14/12/2022 23:40	7	277	6	9	0	27.6	72
14/12/2022 23:50	6	273	7	8	0	27.6	72
15/12/2022 00:00	7	269	6	8.9	0	27.7	71
15/12/2022 00:10	6.7	266	7	8.7	0	27.7	70
15/12/2022 00:20	6.3	261	6	8.2	0	27.8	69



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/12/2022 00:30	6.5	266	6	9	0	27.8	69
15/12/2022 00:40	6.4	265	7	8.6	0	27.8	69
15/12/2022 00:50	5.9	259	8	7.8	0	27.9	69
15/12/2022 01:00	6	254	7	8.3	0	27.9	68
15/12/2022 01:10	5.6	258	6	7.1	0	27.8	68
15/12/2022 01:20	5.5	255	7	8	0	27.8	69
15/12/2022 01:30	5.4	252	8	7.7	0	27.9	66
15/12/2022 01:40	5.2	254	7	7.6	0	27.8	64
15/12/2022 01:50	6.2	262	7	8.3	0	27.7	62
15/12/2022 02:00	6.3	263	6	8.1	0	27.7	61
15/12/2022 02:10	6.6	265	7	8.6	0	27.6	61
15/12/2022 02:20	6.5	263	6	8.6	0	27.5	61
15/12/2022 02:30	6.3	260	6	8.4	0	27.4	60
15/12/2022 02:40	6.5	261	5	8.6	0	27.3	60
15/12/2022 02:50	6.2	260	6	8	0	27.1	60
15/12/2022 03:00	6.3	261	6	7.9	0	27	60
15/12/2022 03:10	5.7	263	6	7.6	0	26.9	61
15/12/2022 03:20	5.5	263	6	7.4	0	26.8	61
15/12/2022 03:30	5.4	265	6	6.9	0	26.6	60
15/12/2022 03:40	6	267	5	7.2	0	26.6	59
15/12/2022 03:50	5.6	268	6	7.2	0	26.6	59
15/12/2022 04:00	6.4	264	5	8.3	0	26.6	58
15/12/2022 04:10	5.8	263	5	8.2	0	26.5	59
15/12/2022 04:20	6.7	261	6	8.6	0	26.5	58
15/12/2022 04:30	5.3	256	6	6.7	0	26.2	59
15/12/2022 04:40	5	259	6	6.4	0	26.1	60
15/12/2022 04:50	5.6	254	7	7.6	0	26.2	59
15/12/2022 05:00	5.7	254	8	8.1	0	26.1	58
15/12/2022 05:10	5.6	257	6	7	0	25.9	58
15/12/2022 05:20	5.5	255	6	7.1	0	25.7	57
15/12/2022 05:30	5.1	256	5	6.5	0	25.5	58
15/12/2022 05:40	5.4	259	6	7.1	0	25.5	58
15/12/2022 05:50	6.1	260	7	7.8	0	25.5	57
15/12/2022 06:00	6.1	259	5	8	0	25.6	56
15/12/2022 06:10	5.5	261	5	7.3	0	25.7	56
15/12/2022 06:20	5.4	263	6	7.3	0	25.8	56
15/12/2022 06:30	5.5	262	6	7.1	0	26	55
15/12/2022 06:40	5.6	263	6	7.9	0	26.3	55
15/12/2022 06:50	5.4	262	7	7.3	0	26.7	54
15/12/2022 07:00	5.9	265	6	7.6	0	27	54
15/12/2022 07:10	6.3	261	6	7.6	0	27.1	54
15/12/2022 07:20	5.6	260	8	7.4	0	27.6	52
15/12/2022 07:30	5.4	261	8	7.5	0	28.1	51
15/12/2022 07:40	5.2	262	7	6.5	0	28.3	50
15/12/2022 07:50	4.9	265	11	6.7	0	28.7	49
15/12/2022 08:00	5.1	268	8	6.4	0	28.9	50
15/12/2022 08:10	4.9	270	9	6.6	0	29.1	50
15/12/2022 08:20	4.9	271	9	6.7	0	29.3	49



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/12/2022 08:30	5	282	11	6.3	0	29.4	50
15/12/2022 08:40	5.4	280	10	7.2	0	29.8	50
15/12/2022 08:50	6.3	270	9	7.6	0	29.7	52
15/12/2022 09:00	6.5	270	7	8	0	29.6	53
15/12/2022 09:10	6	279	10	8.4	0	30	56
15/12/2022 09:20	6.4	272	9	8.2	0	30	55
15/12/2022 09:30	6.6	276	8	8.5	0	30.1	55
15/12/2022 09:40	6.9	274	9	8.6	0	30.2	55
15/12/2022 09:50	6.7	275	9	8.5	0	30.4	54
15/12/2022 10:00	6.9	281	8	8.8	0	30.3	55
15/12/2022 10:10	6.5	277	9	8.3	0	30.5	54
15/12/2022 10:20	7	274	7	8.7	0	30.7	54
15/12/2022 10:30	7	272	9	8.6	0	30.7	54
15/12/2022 10:40	6.8	273	10	8.4	0	30.8	54
15/12/2022 10:50	6.8	270	8	9.5	0	31.2	52
15/12/2022 11:00	7.4	271	7	9	0	30.7	53
15/12/2022 11:10	7.4	271	11	9.7	0	31.1	51
15/12/2022 11:20	7.1	266	8	9.7	0	31.5	50
15/12/2022 11:30	7.3	268	8	9.2	0	31.4	49
15/12/2022 11:40	7.5	270	6	9.5	0	31.2	50
15/12/2022 11:50	7.4	267	7	9.5	0	31.2	52
15/12/2022 12:00	7.7	273	9	9.9	0	31.6	50
15/12/2022 12:10	7.7	271	7	10.5	0	31.5	51
15/12/2022 12:20	7.2	280	10	10.1	0	31.9	51
15/12/2022 12:30	7.1	281	9	9.9	0	32.3	51
15/12/2022 12:40	7.2	279	6	8.9	0	32.4	51
15/12/2022 12:50	7.1	279	7	9	0	32.4	51
15/12/2022 13:00	7.3	278	7	9.5	0	32.8	47
15/12/2022 13:10	8	279	8	10	0	33.1	45
15/12/2022 13:20	8.8	277	6	11.1	0	32.5	46
15/12/2022 13:30	8.3	274	8	10.5	0	32.7	49
15/12/2022 13:40	8	272	7	10.3	0	33	49
15/12/2022 13:50	8.4	272	7	11.1	0	32.8	48
15/12/2022 14:00	9.1	268	7	11.7	0	32.6	47
15/12/2022 14:10	9.1	275	8	11.5	0	32.6	46
15/12/2022 14:20	9.8	273	8	13	0	32.5	44
15/12/2022 14:30	9.8	270	7	12.1	0	32.1	46
15/12/2022 14:40	9.2	269	8	12.3	0	32.2	49
15/12/2022 14:50	9.4	273	7	11.9	0	31.8	53
15/12/2022 15:00	9.8	276	6	12.7	0	31.6	52
15/12/2022 15:10	9.3	277	8	13	0	31.6	52
15/12/2022 15:20	10	281	6	12.6	0	31.5	51
15/12/2022 15:30	9.6	276	7	12.5	0	31.7	48
15/12/2022 15:40	9.5	273	7	12.4	0	32.3	44
15/12/2022 15:50	9.9	269	6	12.5	0	32.4	42
15/12/2022 16:00	9.8	272	6	11.9	0	32.6	40
15/12/2022 16:10	8.5	271	7	11	0	32.8	40
15/12/2022 16:20	9	270	9	12.6	0	32.9	39



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/12/2022 16:30	10.2	272	6	13.5	0	32.5	36
15/12/2022 16:40	9.4	274	8	13	0	32.5	37
15/12/2022 16:50	8.6	272	9	11.9	0	32.2	42
15/12/2022 17:00	8.9	273	8	12.2	0	31.9	44
15/12/2022 17:10	9.4	274	7	13.5	0	31.7	44
15/12/2022 17:20	9.3	273	7	11.9	0	31.1	48
15/12/2022 17:30	9.6	275	7	12.6	0	30.8	50
15/12/2022 17:40	9.6	272	7	12	0	30.5	53
15/12/2022 17:50	8.4	267	8	10.8	0	30.4	54
15/12/2022 18:00	9.4	272	6	12.9	0	29.9	54
15/12/2022 18:10	9.3	275	6	11.9	0	29.7	54
15/12/2022 18:20	8.8	272	7	11.6	0	29.6	56
15/12/2022 18:30	7.1	272	8	10.2	0	29.4	57
15/12/2022 18:40	8.3	269	8	11.5	0	29.3	57
15/12/2022 18:50	8.2	270	8	11	0	29	57
15/12/2022 19:00	8.5	268	7	11.1	0	28.8	58
15/12/2022 19:10	7.6	265	8	11	0	28.6	60
15/12/2022 19:20	7.8	267	8	10.5	0	28.5	61
15/12/2022 19:30	8.1	264	7	10.9	0	28.5	62
15/12/2022 19:40	8	265	8	11.1	0	28.5	62
15/12/2022 19:50	8.2	261	7	11.3	0	28.5	62
15/12/2022 20:00	8.5	260	6	12	0	28.5	63
15/12/2022 20:10	8.3	261	7	11.1	0	28.5	62
15/12/2022 20:20	8.6	262	6	11.7	0	28.5	62
15/12/2022 20:30	7.7	262	7	10.6	0	28.5	63
15/12/2022 20:40	7.7	262	7	10.2	0	28.4	63
15/12/2022 20:50	8.1	262	6	11.4	0	28.4	63
15/12/2022 21:00	7.9	263	6	10.5	0	28.4	62
15/12/2022 21:10	7.7	262	8	10.9	0	28.4	62
15/12/2022 21:20	7.3	259	8	11.2	0	28.4	62
15/12/2022 21:30	6.5	257	7	10.3	0	28.3	62
15/12/2022 21:40	6.2	254	7	8.9	0	28.3	61
15/12/2022 21:50	6.4	256	7	8.4	0	28.3	59
15/12/2022 22:00	6.4	256	6	8.2	0	28.3	58
15/12/2022 22:10	7	257	6	9.1	0	28.3	57
15/12/2022 22:20	6.9	262	6	8.8	0	28.3	58
15/12/2022 22:30	8	263	7	10.5	0	28.3	59
15/12/2022 22:40	7.6	261	6	9.9	0	28.1	61
15/12/2022 22:50	8	262	6	10.3	0	28	62
15/12/2022 23:00	8.3	257	7	12.1	0	28	62
15/12/2022 23:10	8.7	257	8	11.4	0	27.9	60
15/12/2022 23:20	7.5	256	6	9.8	0	27.7	61
15/12/2022 23:30	7.2	260	6	10.3	0	27.6	60
15/12/2022 23:40	7	259	5	9.8	0	27.5	59
15/12/2022 23:50	7.2	257	6	9.6	0	27.4	57
16/12/2022 00:00	6.9	255	8	9.8	0	27.3	55
16/12/2022 00:10	7.5	260	6	9.4	0	27.2	53
16/12/2022 00:20	7.7	262	6	10.4	0	27.1	51



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/12/2022 00:30	7.2	263	6	9.4	0	27	51
16/12/2022 00:40	7.1	261	7	9.9	0	26.9	50
16/12/2022 00:50	7.3	260	7	9.8	0	26.9	50
16/12/2022 01:00	6.9	261	6	8.9	0	26.7	49
16/12/2022 01:10	6.9	261	6	8.8	0	26.6	49
16/12/2022 01:20	7.5	264	5	10.7	0	26.4	49
16/12/2022 01:30	7.2	264	5	9.7	0	26.3	48
16/12/2022 01:40	7.3	262	6	10.4	0	26.3	48
16/12/2022 01:50	7.7	262	5	10.3	0	26.2	48
16/12/2022 02:00	7.3	262	6	9.1	0	26.1	49
16/12/2022 02:10	7.3	261	6	9.7	0	25.9	49
16/12/2022 02:20	7	261	6	9.3	0	25.9	49
16/12/2022 02:30	6.4	260	6	9.5	0	25.7	50
16/12/2022 02:40	6.3	260	7	8.6	0	25.6	51
16/12/2022 02:50	6.1	259	7	8.3	0	25.5	52
16/12/2022 03:00	5.9	258	7	8.7	0	25.4	52
16/12/2022 03:10	5.8	259	6	8	0	25.3	53
16/12/2022 03:20	6.2	259	6	8.6	0	25.2	54
16/12/2022 03:30	6.6	258	7	8.5	0	25.2	54
16/12/2022 03:40	7	258	7	9.1	0	25.1	54
16/12/2022 03:50	7.4	259	5	9.1	0	25	54
16/12/2022 04:00	7.7	258	5	9.6	0	24.9	54
16/12/2022 04:10	6.5	258	5	8.4	0	24.8	56
16/12/2022 04:20	7.1	260	5	8.6	0	24.7	56
16/12/2022 04:30	7.5	260	6	9.5	0	24.7	57
16/12/2022 04:40	6.5	259	6	8.7	0	24.6	58
16/12/2022 04:50	6.7	261	5	8.6	0	24.5	59
16/12/2022 05:00	7.4	262	5	9.9	0	24.5	61
16/12/2022 05:10	7.2	261	5	9.4	0	24.5	61
16/12/2022 05:20	7.3	263	5	9.1	0	24.6	61
16/12/2022 05:30	7	264	6	8.9	0	24.6	61
16/12/2022 05:40	7.1	262	6	9.1	0	24.6	61
16/12/2022 05:50	6.5	261	5	8.5	0	24.5	62
16/12/2022 06:00	6.7	261	5	8.6	0	24.7	61
16/12/2022 06:10	7.2	263	6	9.3	0	24.9	62
16/12/2022 06:20	7.1	260	6	9.1	0	25.1	61
16/12/2022 06:30	7.3	262	6	9.3	0	25.2	60
16/12/2022 06:40	6.9	260	6	9.1	0	25.4	60
16/12/2022 06:50	7.4	260	6	9.1	0	25.7	59
16/12/2022 07:00	6.8	262	6	8.7	0	25.9	57
16/12/2022 07:10	6.8	264	7	8.6	0	26.3	56
16/12/2022 07:20	6.5	262	7	8.6	0	26.6	54
16/12/2022 07:30	6.4	265	6	8.3	0	27	53
16/12/2022 07:40	6.2	271	7	8.1	0	27.3	53
16/12/2022 07:50	6.2	271	7	7.9	0	27.3	52
16/12/2022 08:00	6.4	267	7	8	0	27.3	51
16/12/2022 08:10	6.2	270	8	7.7	0	27.5	50
16/12/2022 08:20	5.1	269	9	6.3	0	28.3	48



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/12/2022 08:30	6	272	8	7.3	0	28.5	47
16/12/2022 08:40	6.1	280	8	8	0	28.8	48
16/12/2022 08:50	6.3	282	9	8.4	0	28.9	49
16/12/2022 09:00	7.5	283	7	9.1	0	28.4	51
16/12/2022 09:10	7.4	282	8	9.4	0	28.4	52
16/12/2022 09:20	7.4	279	9	9.2	0	28.4	55
16/12/2022 09:30	8.1	276	5	10.2	0	28.3	55
16/12/2022 09:40	7.6	280	7	9.7	0	28.6	55
16/12/2022 09:50	7.9	278	8	10.2	0	28.7	54
16/12/2022 10:00	7.6	274	9	10.3	0	29.2	54
16/12/2022 10:10	8.3	272	7	10.5	0	28.4	57
16/12/2022 10:20	8	276	7	9.7	0	28.7	56
16/12/2022 10:30	7.4	280	10	10	0	28.9	56
16/12/2022 10:40	7.7	272	8	9.9	0	29.2	54
16/12/2022 10:50	7.6	267	9	9.9	0	29.9	53
16/12/2022 11:00	7.8	272	9	10	0	29.4	56
16/12/2022 11:10	7.3	283	10	10.2	0	29.6	57
16/12/2022 11:20	7.8	267	8	10.2	0	29.6	57
16/12/2022 11:30	7.6	274	10	9.4	0	29.9	58
16/12/2022 11:40	7.5	273	8	9.4	0	30.4	57
16/12/2022 11:50	8	276	10	10.9	0	30.6	57
16/12/2022 12:00	8.1	274	7	10	0	30.4	56
16/12/2022 12:10	7.6	268	7	9.7	0	30.6	55
16/12/2022 12:20	7.2	262	9	9.7	0	31.5	53
16/12/2022 12:30	7.5	265	10	10.2	0	31.3	55
16/12/2022 12:40	8.3	267	7	10.1	0	31.3	54
16/12/2022 12:50	8.4	269	6	10.7	0	31.4	54
16/12/2022 13:00	8.2	269	6	10.3	0	31.2	57
16/12/2022 13:10	8.1	269	7	11.4	0	31.3	55
16/12/2022 13:20	8	269	9	10.5	0	32	51
16/12/2022 13:30	8.6	268	7	10.7	0	32.1	50
16/12/2022 13:40	8.5	268	7	10.3	0	31.8	52
16/12/2022 13:50	8.3	276	9	11.5	0	31.7	53
16/12/2022 14:00	8.9	271	9	12	0	31.9	50
16/12/2022 14:10	9.4	272	8	11.9	0	31.7	51
16/12/2022 14:20	9.4	274	8	13.5	0	31.8	50
16/12/2022 14:30	9.7	274	7	12.9	0	31.7	52
16/12/2022 14:40	9.2	273	8	12.3	0	31.8	53
16/12/2022 14:50	8.5	279	9	11.8	0	32	52
16/12/2022 15:00	9.1	276	8	12.4	0	31.7	53
16/12/2022 15:10	8.3	272	9	11.6	0	31.9	52
16/12/2022 15:20	8.5	291	9	12.2	0	31.7	53
16/12/2022 15:30	8.7	296	9	12	0	31	55
16/12/2022 15:40	9	267	10	12.3	0	30.9	59
16/12/2022 15:50	9.6	264	7	12.9	0	30.4	61
16/12/2022 16:00	9.8	271	9	13.4	0	30.3	61
16/12/2022 16:10	10.9	269	7	14	0	29.9	61
16/12/2022 16:20	10.5	270	7	14	0	29.6	62



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/12/2022 16:30	9.8	271	7	12.6	0	29.8	62
16/12/2022 16:40	9.8	270	8	12.9	0	29.5	62
16/12/2022 16:50	9.6	272	8	12.9	0	29.4	62
16/12/2022 17:00	9.7	276	7	13.7	0	29.4	61
16/12/2022 17:10	10.4	272	8	13.4	0	29.2	61
16/12/2022 17:20	10.4	271	7	13.1	0	29	63
16/12/2022 17:30	9.9	276	8	12.6	0	29	63
16/12/2022 17:40	9.5	279	8	13.2	0	28.7	65
16/12/2022 17:50	9.2	273	6	13	0	28.7	66
16/12/2022 18:00	9.7	272	6	14	0	28.3	67
16/12/2022 18:10	9.7	275	7	12.6	0	28.2	67
16/12/2022 18:20	9.6	276	7	12.7	0	28.1	68
16/12/2022 18:30	9.2	275	7	12.3	0	27.9	68
16/12/2022 18:40	9.5	278	6	13.1	0	27.6	70
16/12/2022 18:50	8.3	277	8	12.3	0	27.5	71
16/12/2022 19:00	9.4	280	8	12.5	0	27.2	72
16/12/2022 19:10	9.7	281	6	13.9	0	27.1	73
16/12/2022 19:20	10.5	278	6	13.3	0	26.9	73
16/12/2022 19:30	9	278	7	12.4	0	26.8	74
16/12/2022 19:40	9.1	277	6	12.1	0	26.6	74
16/12/2022 19:50	8.8	276	7	12.8	0	26.5	73
16/12/2022 20:00	9.5	276	7	12.7	0	26.4	72
16/12/2022 20:10	9.7	274	6	13.2	0	26.4	72
16/12/2022 20:20	9.3	277	6	12.3	0	26.4	72
16/12/2022 20:30	10	277	7	13.4	0	26.3	72
16/12/2022 20:40	9.7	275	7	13.5	0	26.2	71
16/12/2022 20:50	9.6	277	7	12.8	0	26.2	71
16/12/2022 21:00	10	277	8	13.8	0	26.1	71
16/12/2022 21:10	9.6	276	7	12.6	0	26.1	71
16/12/2022 21:20	9.7	276	7	12.8	0	26.1	71
16/12/2022 21:30	9.9	277	7	13.2	0	26	71
16/12/2022 21:40	10.3	275	6	13.9	0	26	72
16/12/2022 21:50	10	278	7	13.3	0	26.1	72
16/12/2022 22:00	9.4	271	7	12.1	0	26	72
16/12/2022 22:10	9.5	273	6	13.3	0	26	72
16/12/2022 22:20	9.5	274	6	12.8	0	25.9	72
16/12/2022 22:30	9.6	273	6	13.2	0	25.9	72
16/12/2022 22:40	9.4	273	6	12.8	0	25.9	72
16/12/2022 22:50	9.3	277	7	12.6	0	25.8	72
16/12/2022 23:00	9.3	277	7	11.9	0	25.8	71
16/12/2022 23:10	9	275	7	11.8	0	25.8	71
16/12/2022 23:20	9.5	273	6	12.6	0	25.8	71
16/12/2022 23:30	9	273	6	12.1	0	25.9	71
16/12/2022 23:40	9.8	274	6	13.4	0	25.8	72
16/12/2022 23:50	9.9	272	7	13.9	0	25.8	72
17/12/2022 00:00	9.8	271	7	12.9	0	25.8	72
17/12/2022 00:10	9.3	270	7	12.9	0	25.8	72
17/12/2022 00:20	9.7	271	7	13.5	0	25.8	72





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/12/2022 00:30	9.3	270	7	12.9	0	25.8	72
17/12/2022 00:40	9.7	269	8	13	0	25.8	72
17/12/2022 00:50	10.8	268	6	14.9	0	25.8	72
17/12/2022 01:00	10.9	268	6	13.7	0	25.8	72
17/12/2022 01:10	10.3	268	6	13.5	0	25.8	72
17/12/2022 01:20	10.1	269	6	14.1	0	25.8	72
17/12/2022 01:30	10.3	271	6	13.5	0	25.8	72
17/12/2022 01:40	10.5	269	6	14.1	0	25.7	72
17/12/2022 01:50	10.1	266	6	13.5	0	25.7	72
17/12/2022 02:00	10.8	268	6	14.6	0	25.6	72
17/12/2022 02:10	10.4	268	7	14.3	0	25.6	72
17/12/2022 02:20	10.2	268	7	13.7	0	25.5	72
17/12/2022 02:30	10.4	269	5	14.3	0	25.5	72
17/12/2022 02:40	9.9	269	6	14.4	0	25.6	72
17/12/2022 02:50	9.9	270	6	14	0	25.5	72
17/12/2022 03:00	10.4	268	6	14.4	0	25.5	72
17/12/2022 03:10	9.6	267	6	13	0	25.5	72
17/12/2022 03:20	10.2	270	6	14.2	0	25.5	72
17/12/2022 03:30	9.8	268	6	12.9	0	25.5	72
17/12/2022 03:40	9.7	263	7	12.9	0	25.5	72
17/12/2022 03:50	10.4	267	6	14.2	0	25.5	72
17/12/2022 04:00	10.5	265	5	12.8	0	25.5	72
17/12/2022 04:10	9.5	261	6	13	0	25.5	72
17/12/2022 04:20	10.4	262	5	14.6	0	25.5	72
17/12/2022 04:30	9.8	262	7	13.4	0	25.6	73
17/12/2022 04:40	9.5	261	7	12.3	0	25.5	73
17/12/2022 04:50	8.2	257	7	11.7	0	25.5	73
17/12/2022 05:00	7.3	258	9	11.6	0	25.5	73
17/12/2022 05:10	8	258	7	11	0	25.4	72
17/12/2022 05:20	7	256	7	9.6	0	25.3	73
17/12/2022 05:30	7.6	257	7	10.3	0	25.3	73
17/12/2022 05:40	8.1	260	7	11.6	0	25.4	72
17/12/2022 05:50	8.3	259	7	10.4	0	25.4	72
17/12/2022 06:00	8.2	260	6	11.3	0	25.5	72
17/12/2022 06:10	7.5	258	8	9.7	0	25.7	72
17/12/2022 06:20	7.2	259	7	10.6	0	25.9	72
17/12/2022 06:30	7.5	254	9	10.2	0	26	72
17/12/2022 06:40	6.5	247	10	9.5	0	26.3	72
17/12/2022 06:50	7.1	249	9	9.4	0	26.5	72
17/12/2022 07:00	9.1	252	7	12.4	0	26.5	71
17/12/2022 07:10	7.9	255	8	10.7	0	26.6	71
17/12/2022 07:20	7	248	11	10.3	0	27.1	70
17/12/2022 07:30	8.9	257	6	11.3	0	27	70
17/12/2022 07:40	8.2	249	9	10.9	0	27.2	69
17/12/2022 07:50	8.3	252	7	10.6	0	27.6	68
17/12/2022 08:00	7.5	237	10	9.9	0	27.6	68
17/12/2022 08:10	6.7	243	13	9.4	0	28.2	66
17/12/2022 08:20	7.3	249	11	10	0	28.4	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/12/2022 08:30	6.7	242	12	9.1	0	28.6	63
17/12/2022 08:40	6.5	239	9	8.9	0	28.6	62
17/12/2022 08:50	6.3	246	11	8.7	0	29.2	59
17/12/2022 09:00	6.3	249	11	8.7	0	29.7	58
17/12/2022 09:10	5.7	245	12	8.1	0	30.3	56
17/12/2022 09:20	4.8	235	10	7	0	30.6	54
17/12/2022 09:30	4.3	239	15	6.8	0	31.2	52
17/12/2022 09:40	3.6	232	17	6.1	0	31.6	50
17/12/2022 09:50	3.5	220	28	5.7	0	32.3	47
17/12/2022 10:00	2.4	163	31	4.7	0	32.8	43
17/12/2022 10:10	1.8	166	43	3.8	0	32.8	42
17/12/2022 10:20	1.8	168	39	4	0	33.3	40
17/12/2022 10:30	2	118	49	4.6	0	33.6	39
17/12/2022 10:40	3.2	160	43	4.9	0	33.6	45
17/12/2022 10:50	2.2	100	58	3.9	0	34	40
17/12/2022 11:00	2	240	50	3.9	0	33.9	47
17/12/2022 11:10	2.5	268	30	4.9	0	33.8	48
17/12/2022 11:20	3	159	68	6.1	0	34.5	43
17/12/2022 11:30	3.3	175	35	5.1	0	34.3	43
17/12/2022 11:40	4.4	289	16	6.4	0	33.4	50
17/12/2022 11:50	4.3	284	14	6.5	0	33.2	51
17/12/2022 12:00	3.8	283	25	5.7	0	32.9	52
17/12/2022 12:10	3.1	319	23	4.9	0	34	48
17/12/2022 12:20	3.8	311	22	5.9	0	33.9	49
17/12/2022 12:30	4.2	329	21	6.5	0	33.8	48
17/12/2022 12:40	3.8	328	17	5.4	0	34.1	47
17/12/2022 12:50	4.2	329	15	5.9	0	33.7	48
17/12/2022 13:00	4.9	331	12	6.4	0	33.4	50
17/12/2022 13:10	5.2	327	12	7.8	0	32.8	53
17/12/2022 13:20	4.8	323	16	6.8	0	32.7	54
17/12/2022 13:30	5.6	312	8	7.3	0	31.9	56
17/12/2022 13:40	5.3	313	14	7.1	0	31.9	58
17/12/2022 13:50	6	303	10	8.5	0	31.6	58
17/12/2022 14:00	6.4	303	10	8.7	0	31.2	59
17/12/2022 14:10	6.7	301	8	9.4	0	31	60
17/12/2022 14:20	7.2	300	10	9.9	0	30.5	62
17/12/2022 14:30	6.9	300	8	10	0	30.6	61
17/12/2022 14:40	6.8	298	9	9.6	0	30.7	60
17/12/2022 14:50	7.3	299	9	9.7	0	30.8	58
17/12/2022 15:00	7.4	296	9	10.1	0	30.2	62
17/12/2022 15:10	7.1	295	10	10.8	0	30.2	63
17/12/2022 15:20	7.5	300	10	10.3	0	30.1	61
17/12/2022 15:30	7.1	303	10	10.3	0	30	64
17/12/2022 15:40	7	302	11	9.8	0	30.3	63
17/12/2022 15:50	6.4	300	12	9.7	0	30.5	65
17/12/2022 16:00	7.4	303	12	10.1	0	30.1	66
17/12/2022 16:10	7.2	297	11	10.3	0	30.1	67
17/12/2022 16:20	8.2	292	7	11.5	0	29.6	68



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/12/2022 16:30	8.9	290	8	11.9	0	29.1	69
17/12/2022 16:40	8.8	284	8	12.1	0	29.2	68
17/12/2022 16:50	9	291	7	11.7	0	28.9	68
17/12/2022 17:00	8.7	293	8	11.2	0	28.7	69
17/12/2022 17:10	8.4	288	10	11.6	0	28.9	69
17/12/2022 17:20	8.1	283	8	10.9	0	28.9	69
17/12/2022 17:30	8.2	285	10	11.3	0	29.1	68
17/12/2022 17:40	8.1	288	8	10.9	0	28.6	70
17/12/2022 17:50	9.1	279	7	11.8	0	28.5	69
17/12/2022 18:00	9	281	9	11.7	0	28.2	70
17/12/2022 18:10	8.1	271	8	11.2	0	28.1	71
17/12/2022 18:20	8.6	269	7	11.3	0	27.7	71
17/12/2022 18:30	8.5	274	8	10.8	0	27.5	72
17/12/2022 18:40	8.2	271	7	11.1	0	27.2	72
17/12/2022 18:50	8.5	271	6	10.8	0	26.9	73
17/12/2022 19:00	9.4	275	7	12.3	0	26.6	73
17/12/2022 19:10	8.9	275	6	11.5	0	26.5	72
17/12/2022 19:20	8.8	277	7	11.7	0	26.4	72
17/12/2022 19:30	8.5	276	7	11.5	0	26.3	72
17/12/2022 19:40	9.3	275	5	11.7	0	26.2	72
17/12/2022 19:50	7.8	277	7	11	0	26.3	72
17/12/2022 20:00	8.7	278	7	10.9	0	26.2	71
17/12/2022 20:10	8.6	276	7	11.1	0	26.1	71
17/12/2022 20:20	7.5	277	7	10.2	0	26.1	71
17/12/2022 20:30	8	280	7	10.9	0	26	71
17/12/2022 20:40	8.4	277	8	10.9	0	26	71
17/12/2022 20:50	8.1	276	8	11	0	26	71
17/12/2022 21:00	8.7	280	7	11.7	0	25.9	71
17/12/2022 21:10	8	276	7	10.5	0	25.9	71
17/12/2022 21:20	8.6	277	7	11.6	0	26	71
17/12/2022 21:30	8.3	274	7	11.5	0	26	70
17/12/2022 21:40	8.8	274	6	11.7	0	25.9	71
17/12/2022 21:50	8.9	273	6	12.6	0	25.9	70
17/12/2022 22:00	8.8	270	6	11.9	0	26	71
17/12/2022 22:10	8.2	274	6	11.1	0	26	71
17/12/2022 22:20	8.2	272	7	11.2	0	26.1	71
17/12/2022 22:30	8.4	269	5	10.9	0	26.1	71
17/12/2022 22:40	7.6	268	6	9.7	0	26.2	71
17/12/2022 22:50	7.7	268	7	10.3	0	26.2	71
17/12/2022 23:00	7.5	270	6	9.8	0	26.2	71
17/12/2022 23:10	7.8	270	6	11.2	0	26.1	71
17/12/2022 23:20	7.3	270	7	10.3	0	26.1	71
17/12/2022 23:30	7.7	269	7	10.1	0	26.1	71
17/12/2022 23:40	8.1	271	6	10.8	0	26.1	71
17/12/2022 23:50	7.8	269	7	10.8	0	26	71
18/12/2022 00:00	8.1	266	7	10.8	0	26.1	71
18/12/2022 00:10	7.7	269	6	10.7	0	26.1	71
18/12/2022 00:20	8	268	6	10.6	0	26	71



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/12/2022 00:30	7.3	264	7	10.1	0	26	71
18/12/2022 00:40	7.2	269	7	9.6	0	26	71
18/12/2022 00:50	6.4	268	8	9.5	0	26	71
18/12/2022 01:00	6.6	274	7	9.3	0	26	71
18/12/2022 01:10	6.3	273	7	8.7	0	25.9	71
18/12/2022 01:20	6.4	271	8	9.1	0	25.9	71
18/12/2022 01:30	6.4	270	7	8.6	0	25.8	71
18/12/2022 01:40	6.7	270	6	9.1	0	25.8	71
18/12/2022 01:50	6.5	270	7	9.3	0	25.8	71
18/12/2022 02:00	7	271	6	9.6	0	25.8	71
18/12/2022 02:10	7	270	6	9.2	0	25.7	71
18/12/2022 02:20	6.8	271	6	9.7	0	25.7	70
18/12/2022 02:30	6.5	273	7	9.2	0	25.6	70
18/12/2022 02:40	6.9	278	6	8.9	0	25.6	70
18/12/2022 02:50	6.8	272	8	9.1	0	25.6	70
18/12/2022 03:00	6.3	273	7	8.6	0	25.6	70
18/12/2022 03:10	6.1	274	7	8.6	0	25.6	70
18/12/2022 03:20	6.5	276	7	8.8	0	25.5	70
18/12/2022 03:30	6.5	276	6	8.5	0	25.5	70
18/12/2022 03:40	6.2	277	7	8.5	0	25.4	70
18/12/2022 03:50	6.2	281	9	8.5	0	25.4	70
18/12/2022 04:00	6.1	280	7	8.2	0	25.3	70
18/12/2022 04:10	6	279	6	8.2	0	25.3	70
18/12/2022 04:20	5.7	285	8	8.2	0	25.3	70
18/12/2022 04:30	5.5	286	8	8	0	25.3	70
18/12/2022 04:40	5.3	284	8	7.4	0	25.2	70
18/12/2022 04:50	5.3	290	8	7.5	0	25.2	70
18/12/2022 05:00	5.1	286	8	7.1	0	25.2	69
18/12/2022 05:10	5.9	282	8	8.1	0	25.2	69
18/12/2022 05:20	6	279	7	8.1	0	25.3	69
18/12/2022 05:30	6.5	274	6	8.9	0	25.3	70
18/12/2022 05:40	6.3	275	7	8.5	0	25.4	70
18/12/2022 05:50	6.1	278	7	8.4	0	25.4	70
18/12/2022 06:00	6.8	276	6	9	0	25.5	70
18/12/2022 06:10	6.1	273	7	8.1	0	25.6	70
18/12/2022 06:20	5.4	275	9	7.9	0	25.8	70
18/12/2022 06:30	5.9	270	7	7.7	0	26	70
18/12/2022 06:40	6.7	273	7	8.8	0	26.1	70
18/12/2022 06:50	6	278	7	7.8	0	26.2	71
18/12/2022 07:00	5.6	274	9	7.8	0	26.4	71
18/12/2022 07:10	5.8	274	9	7.9	0	26.8	70
18/12/2022 07:20							
18/12/2022 07:30							
18/12/2022 07:40							
18/12/2022 07:50							
18/12/2022 08:00							
18/12/2022 08:10							
18/12/2022 08:20							



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/12/2022 08:30							
18/12/2022 08:40							
18/12/2022 08:50							
18/12/2022 09:00							
18/12/2022 09:10							
18/12/2022 09:20							
18/12/2022 09:30							
18/12/2022 09:40	31.6	276	12	503.4	0.3	28.4	66
18/12/2022 09:50	5.4	270	10	7.5	0	28.9	64
18/12/2022 10:00	5	273	17	7.2	0	28.9	65
18/12/2022 10:10	5	267	12	8	0	28.9	65
18/12/2022 10:20	4.4	283	14	6.9	0	28.7	65
18/12/2022 10:30	4.7	286	19	7	0	29.2	65
18/12/2022 10:40	4.2	302	15	7.2	0	29	65
18/12/2022 10:50	4.6	313	20	6.8	0	29.1	65
18/12/2022 11:00	4.6	317	20	7.2	0	29.2	65
18/12/2022 11:10	5.2	309	13	8.1	0	29.2	64
18/12/2022 11:20	5.2	329	14	7.3	0	29.1	65
18/12/2022 11:30	5.8	326	15	7.9	0	29.2	65
18/12/2022 11:40	5.7	328	14	8.5	0	29	65
18/12/2022 11:50	5.4	324	16	8.2	0	29.4	64
18/12/2022 12:00	5.4	314	18	7.4	0	29.5	63
18/12/2022 12:10	5.4	311	9	7.3	0	29	64
18/12/2022 12:20	5.3	319	15	7.3	0	29.3	63
18/12/2022 12:30	5.7	328	18	8.7	0	30	61
18/12/2022 12:40	5.7	318	12	7.9	0	29.7	61
18/12/2022 12:50	5.5	334	12	7.5	0	29.9	60
18/12/2022 13:00	6	329	13	8	0	29.9	60
18/12/2022 13:10	6.6	319	14	9.4	0	29.1	63
18/12/2022 13:20	6.4	329	12	9.4	0	29.1	64
18/12/2022 13:30	6.6	328	13	9.9	0	29	64
18/12/2022 13:40	6.5	315	15	9.7	0	29.1	64
18/12/2022 13:50	7.1	326	15	9.7	0	28.5	66
18/12/2022 14:00	6.7	322	12	9.4	0	28.9	65
18/12/2022 14:10	6.6	329	10	8.9	0	28.8	65
18/12/2022 14:20	5.8	332	13	8.6	0	29	65
18/12/2022 14:30	5.9	332	13	8.4	0	29.1	65
18/12/2022 14:40	5.8	318	14	8.5	0	28.8	65
18/12/2022 14:50	5.9	324	15	9	0	28.8	66
18/12/2022 15:00	5.2	314	13	8.2	0	28.7	66
18/12/2022 15:10	6.1	299	13	9.5	0	28.7	66
18/12/2022 15:20	6.4	309	11	8.4	0	28.1	68
18/12/2022 15:30	5.1	316	13	7.8	0	28.6	67
18/12/2022 15:40	4.9	318	16	8.1	0	28.5	67
18/12/2022 15:50	5.6	319	10	8.1	0	28.4	67
18/12/2022 16:00	5.9	310	12	8.4	0	28.2	67
18/12/2022 16:10	5.3	311	15	8.1	0	28.4	67
18/12/2022 16:20	5.9	316	14	8.5	0	28.4	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/12/2022 16:30	5.8	307	11	8.4	0	28.1	68
18/12/2022 16:40	5.8	316	16	9	0	28.2	68
18/12/2022 16:50	6.3	307	12	8.8	0	27.9	69
18/12/2022 17:00	5.5	305	12	8.6	0	28.1	68
18/12/2022 17:10	5.7	306	13	8.3	0	27.9	68
18/12/2022 17:20	5.9	289	9	8.4	0	28	67
18/12/2022 17:30	6.3	292	9	8.6	0	27.8	68
18/12/2022 17:40	6.1	283	8	8.3	0	27.7	68
18/12/2022 17:50	5.6	292	8	7.2	0	27.6	68
18/12/2022 18:00	4.5	275	12	6.4	0	27.5	69
18/12/2022 18:10	5.8	263	7	7.3	0	27.5	69
18/12/2022 18:20	4.8	264	12	6.8	0	27.3	70
18/12/2022 18:30	5.3	255	8	6.6	0	27.3	69
18/12/2022 18:40	4.8	265	8	6.3	0	27.1	70
18/12/2022 18:50	5	278	7	6.5	0	27	70
18/12/2022 19:00	6.1	278	6	7.4	0	26.8	71
18/12/2022 19:10	5.3	265	8	6.8	0	26.7	71
18/12/2022 19:20	4.5	277	9	6.1	0	26.7	71
18/12/2022 19:30	4.4	279	9	5.8	0	26.5	72
18/12/2022 19:40	4.8	277	7	6.4	0	26.4	72
18/12/2022 19:50	4.4	278	7	5.9	0	26.3	72
18/12/2022 20:00	4.8	275	6	6.1	0	26.2	72
18/12/2022 20:10	4.2	277	7	5.6	0	26.2	72
18/12/2022 20:20	3.9	275	7	5.3	0	26.1	72
18/12/2022 20:30	3.4	275	8	4.6	0	26.2	71
18/12/2022 20:40	3.8	275	6	5	0	26.1	71
18/12/2022 20:50	3.7	268	6	4.5	0	26.1	71
18/12/2022 21:00	3.6	281	9	4.5	0	26.1	71
18/12/2022 21:10	3.5	281	7	4.4	0	26.1	71
18/12/2022 21:20	3.6	289	7	4.5	0	26.1	71
18/12/2022 21:30	3.9	295	8	4.9	0	26.1	71
18/12/2022 21:40	3.7	291	9	5.2	0	26.1	71
18/12/2022 21:50	4.5	306	9	6	0	26.1	71
18/12/2022 22:00	4.5	310	9	6.4	0	26	71
18/12/2022 22:10	4.8	313	8	6.5	0	26	72
18/12/2022 22:20	4.2	308	10	5.9	0	26	72
18/12/2022 22:30	2.9	296	12	4.4	0	25.9	72
18/12/2022 22:40	3.1	281	11	3.9	0	25.9	72
18/12/2022 22:50	3.3	275	6	4.3	0	25.8	72
18/12/2022 23:00	3.6	276	7	4.7	0	25.8	72
18/12/2022 23:10	3.9	272	5	5.3	0	25.8	72
18/12/2022 23:20	4.3	271	6	6.1	0	25.8	72
18/12/2022 23:30	4.5	277	6	6.4	0	25.8	71
18/12/2022 23:40	4.3	268	6	5.9	0	25.8	71
18/12/2022 23:50	3.9	268	6	5.7	0	25.8	72
19/12/2022 00:00	4.5	264	5	6	0	25.7	71
19/12/2022 00:10	3.9	263	5	4.8	0	25.7	71
19/12/2022 00:20	3.6	265	5	4.5	0	25.8	72



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/12/2022 00:30	3.5	264	5	4.6	0	25.7	72
19/12/2022 00:40	4.1	261	4	5	0	25.7	72
19/12/2022 00:50	4.6	263	5	5.8	0	25.7	72
19/12/2022 01:00	4.9	262	5	5.8	0	25.7	72
19/12/2022 01:10	4.2	258	5	5.5	0	25.7	72
19/12/2022 01:20	3.5	255	10	4.8	0	25.8	72
19/12/2022 01:30	3.4	260	8	4.5	0	25.7	72
19/12/2022 01:40	3.8	265	5	4.8	0	25.6	72
19/12/2022 01:50	3.9	266	5	5	0	25.6	72
19/12/2022 02:00	3.6	263	5	4.4	0	25.6	72
19/12/2022 02:10	3.8	266	4	4.7	0	25.6	72
19/12/2022 02:20	4.4	264	4	5.6	0	25.5	72
19/12/2022 02:30	3.6	264	6	4.8	0	25.5	72
19/12/2022 02:40	4.4	267	5	5.6	0	25.5	72
19/12/2022 02:50	4.6	265	6	6	0	25.6	72
19/12/2022 03:00	4.3	260	6	5.7	0	25.6	72
19/12/2022 03:10	4.1	260	6	5.3	0	25.5	72
19/12/2022 03:20	4.1	263	6	5.8	0	25.5	72
19/12/2022 03:30	3.9	271	7	5.4	0	25.4	72
19/12/2022 03:40	4.7	272	7	6.5	0	25.4	71
19/12/2022 03:50	5.1	274	6	6.7	0	25.4	71
19/12/2022 04:00	5.5	278	6	7.3	0	25.4	71
19/12/2022 04:10	5.6	279	7	7.7	0	25.3	72
19/12/2022 04:20	5.4	276	8	7.7	0	25.3	72
19/12/2022 04:30	5.7	276	6	7.7	0	25.3	72
19/12/2022 04:40	5.9	275	6	7.8	0	25.2	72
19/12/2022 04:50	5	276	8	7.2	0	25.2	72
19/12/2022 05:00	5.5	281	8	7.1	0	25.2	72
19/12/2022 05:10	6.1	280	6	8.2	0	25.1	72
19/12/2022 05:20	6.3	281	6	8	0	25.1	72
19/12/2022 05:30	5.5	288	8	7.6	0	25	72
19/12/2022 05:40	4	283	10	6.4	0	24.9	72
19/12/2022 05:50	4.1	277	8	5.7	0	24.9	72
19/12/2022 06:00	4.3	272	6	5.7	0	24.9	72
19/12/2022 06:10	4.5	273	6	5.8	0	25.1	72
19/12/2022 06:20	3.7	267	8	5	0	25.3	71
19/12/2022 06:30	3.9	268	10	5.3	0	25.5	71
19/12/2022 06:40	4	270	9	5	0.1	25.8	71
19/12/2022 06:50	3.9	264	8	5.5	0.1	26	70
19/12/2022 07:00	4	277	8	5.1	0	26.2	70
19/12/2022 07:10	3.7	278	11	5.5	0	26.4	69
19/12/2022 07:20	3.6	271	13	5.3	0	26.5	69
19/12/2022 07:30	3.6	273	12	5.5	0	26.8	69
19/12/2022 07:40	4.1	274	12	5.7	0	26.9	69
19/12/2022 07:50	4.2	272	15	5.9	0	27.2	68
19/12/2022 08:00	4.1	264	11	5.4	0	27.4	68
19/12/2022 08:10	3.3	275	16	5.4	0	27.6	67
19/12/2022 08:20	3.7	277	9	5.4	0	27	68



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/12/2022 08:30	3.2	260	24	4.8	0	27	68
19/12/2022 08:40	3.3	262	22	4.9	0	27.1	68
19/12/2022 08:50	3	295	18	4.1	0	27	68
19/12/2022 09:00	3.3	277	21	5.4	0	27	68
19/12/2022 09:10	2.6	302	17	3.9	0	27	68
19/12/2022 09:20	3	267	25	4.9	0	27.5	67
19/12/2022 09:30	2.8	266	15	4.6	0	27.7	66
19/12/2022 09:40	3.2	263	15	4.7	0	28	65
19/12/2022 09:50	3	291	17	5.1	0	28.5	64
19/12/2022 10:00	4.1	339	13	6.1	0	28.3	63
19/12/2022 10:10	4	322	16	6.4	0	28.2	63
19/12/2022 10:20	3.3	319	23	5.2	0	28.6	63
19/12/2022 10:30	3.1	310	14	5.5	0	29	62
19/12/2022 10:40	3.8	321	25	6	0	29.1	63
19/12/2022 10:50	4.3	344	19	6.5	0	28.9	63
19/12/2022 11:00	4.7	333	13	7.4	0	28.5	64
19/12/2022 11:10	4.8	333	16	7.1	0	28.8	63
19/12/2022 11:20	5.2	320	14	7.3	0	28.8	64
19/12/2022 11:30	5.1	324	16	7.5	0	28.8	63
19/12/2022 11:40	5.5	327	12	7.7	0	28.7	62
19/12/2022 11:50	5	342	15	7.5	0	29	61
19/12/2022 12:00	5.2	333	15	7.4	0	28.8	62
19/12/2022 12:10	5.9	326	13	8.1	0	28.9	62
19/12/2022 12:20	5.8	325	14	8	0	28.7	63
19/12/2022 12:30	7.1	335	10	9.2	0	28.6	64
19/12/2022 12:40	6.6	333	11	9.2	0	28.6	64
19/12/2022 12:50	6.2	327	15	8.8	0	28.7	63
19/12/2022 13:00	6.4	335	10	9.4	0	28.5	64
19/12/2022 13:10	5.8	324	14	8.9	0	28.9	63
19/12/2022 13:20	5.9	324	15	9.3	0	28.8	63
19/12/2022 13:30	6.3	325	13	9.9	0	29	62
19/12/2022 13:40	6.4	328	15	9.8	0	28.6	63
19/12/2022 13:50	6.1	318	16	9.2	0	28.8	63
19/12/2022 14:00	6.5	311	13	9.2	0	28.7	63
19/12/2022 14:10	6.2	304	16	9.7	0	29	62
19/12/2022 14:20	5.9	302	11	11.2	0	29.3	61
19/12/2022 14:30	7.1	303	10	10.5	0	28.4	63
19/12/2022 14:40	6.9	308	12	9.4	0	28.5	63
19/12/2022 14:50	6.6	309	14	10.2	0	29.1	61
19/12/2022 15:00	6.6	312	11	9.9	0	29.1	61
19/12/2022 15:10	7.1	304	14	9.9	0	28.5	62
19/12/2022 15:20	6.4	302	13	9.3	0	29	61
19/12/2022 15:30	6.2	303	14	10.2	0	28.8	61
19/12/2022 15:40	7.3	300	11	9.6	0	28.6	62
19/12/2022 15:50	7.3	303	12	9.7	0	28.3	63
19/12/2022 16:00	7.1	297	11	10.5	0	28.1	65
19/12/2022 16:10	6.9	300	12	9.4	0	28.2	64
19/12/2022 16:20	6.3	307	12	10	0	28.1	64





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/12/2022 16:30	6.6	311	13	8.9	0	28	64
19/12/2022 16:40	6.2	307	14	9.2	0	28.1	65
19/12/2022 16:50	6.5	301	14	9.3	0	28.1	65
19/12/2022 17:00	6.9	301	13	10.1	0	27.7	66
19/12/2022 17:10	6.7	297	10	9	0	27.7	66
19/12/2022 17:20	6.3	306	11	9.2	0	27.6	66
19/12/2022 17:30	6.5	308	9	9.1	0	27.5	66
19/12/2022 17:40	6.7	311	10	9.3	0	27.3	67
19/12/2022 17:50	6.1	312	9	8.6	0	27.3	67
19/12/2022 18:00	6	300	12	9.1	0	27.4	66
19/12/2022 18:10	5.8	304	11	8.5	0	27.1	67
19/12/2022 18:20	5.8	295	9	9.1	0	26.9	67
19/12/2022 18:30	5.9	293	8	8.5	0	26.7	68
19/12/2022 18:40	5.7	287	10	8.5	0	26.6	68
19/12/2022 18:50	6.1	293	9	8.3	0	26.3	69
19/12/2022 19:00	6	286	9	8.2	0	26.1	70
19/12/2022 19:10	6	292	9	8	0	26	70
19/12/2022 19:20	5.8	295	10	7.6	0	25.9	70
19/12/2022 19:30	5.2	303	12	7.5	0	26	70
19/12/2022 19:40	5.4	310	10	7.9	0	25.9	70
19/12/2022 19:50	5.7	293	8	8	0	25.9	70
19/12/2022 20:00	5.1	293	10	7.7	0	25.8	70
19/12/2022 20:10	5.2	292	9	7.5	0	25.8	70
19/12/2022 20:20	6.2	280	8	8.3	0	25.7	71
19/12/2022 20:30	6	277	7	7.9	0	25.7	71
19/12/2022 20:40	6.5	279	7	9	0	25.7	71
19/12/2022 20:50	6.1	277	7	7.8	0	25.7	71
19/12/2022 21:00	5.6	277	8	7.3	0	25.7	71
19/12/2022 21:10	5.8	280	9	7.8	0	25.6	71
19/12/2022 21:20	5.9	282	8	8	0	25.6	71
19/12/2022 21:30	6.3	281	7	8.6	0	25.5	71
19/12/2022 21:40	6.5	287	8	8.4	0	25.5	71
19/12/2022 21:50	6	279	8	8.3	0	25.5	71
19/12/2022 22:00	6.7	279	9	8.6	0	25.4	71
19/12/2022 22:10	6.6	273	5	8.6	0	25.4	71
19/12/2022 22:20	6.5	274	6	8.9	0	25.5	71
19/12/2022 22:30	6.8	277	7	8.5	0	25.4	71
19/12/2022 22:40	5.8	273	8	8.2	0	25.4	71
19/12/2022 22:50	5.7	274	9	8.2	0	25.4	71
19/12/2022 23:00	5.7	277	8	8.2	0	25.4	70
19/12/2022 23:10	5.8	276	7	8.4	0	25.4	70
19/12/2022 23:20	6.3	273	9	8.6	0	25.4	70
19/12/2022 23:30	5.7	276	9	7.9	0	25.4	70
19/12/2022 23:40	5.3	273	7	7	0	25.5	70
19/12/2022 23:50	5.5	268	8	8.6	0	25.5	70
20/12/2022 00:00	5.5	273	8	7.5	0	25.5	70
20/12/2022 00:10	5.8	267	8	7.5	0	25.5	70
20/12/2022 00:20	5.7	270	7	8.8	0	25.5	70



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/12/2022 00:30	5.6	269	7	7.7	0	25.5	70
20/12/2022 00:40	5.9	274	7	7.9	0	25.5	70
20/12/2022 00:50	5.6	269	7	7.9	0	25.5	69
20/12/2022 01:00	6.5	266	6	8.5	0	25.5	69
20/12/2022 01:10	5.7	266	8	7.7	0	25.6	70
20/12/2022 01:20	6	267	7	8.1	0	25.6	71
20/12/2022 01:30	5.7	252	7	7.6	0	25.5	70
20/12/2022 01:40	5.6	257	8	7.9	0	25.6	70
20/12/2022 01:50	5.3	256	7	7.8	0	25.5	69
20/12/2022 02:00	6.3	256	7	7.9	0	25.4	69
20/12/2022 02:10	5.7	257	7	8	0	25.3	69
20/12/2022 02:20	5.3	256	7	7.1	0	25.3	68
20/12/2022 02:30	4.8	257	7	6.7	0	25.3	69
20/12/2022 02:40	5	258	8	7	0	25.3	70
20/12/2022 02:50	4.8	256	9	6.7	0	25.5	70
20/12/2022 03:00	4.1	241	13	5.9	0	25.6	70
20/12/2022 03:10	4.6	239	11	6.6	0	25.6	71
20/12/2022 03:20	4.6	236	10	6.6	0	25.4	71
20/12/2022 03:30	4.1	236	11	6.4	0	25.4	71
20/12/2022 03:40	3.2	236	13	4.6	0	25.3	71
20/12/2022 03:50	2.7	225	16	4	0	25.3	71
20/12/2022 04:00	2.9	214	13	4.4	0	25.2	71
20/12/2022 04:10	3.6	231	12	5.5	0	25.2	71
20/12/2022 04:20	3.3	236	12	5.1	0	25.2	71
20/12/2022 04:30	3.1	244	11	4.7	0	25.1	71
20/12/2022 04:40	2.9	236	14	4.2	0	25.1	71
20/12/2022 04:50	3.6	240	11	5.1	0	25.1	71
20/12/2022 05:00	3.2	246	12	4.9	0	25.1	71
20/12/2022 05:10	3.2	240	13	4.8	0	25.1	71
20/12/2022 05:20	3.3	229	12	5.3	0	25.1	71
20/12/2022 05:30	2.6	232	17	4.5	0	24.9	71
20/12/2022 05:40	3	258	8	4.5	0	24.7	71
20/12/2022 05:50	2.4	235	12	3.7	0	24.8	71
20/12/2022 06:00	2.5	214	14	3.4	0	24.9	71
20/12/2022 06:10	1.8	214	17	3	0	25	71
20/12/2022 06:20	2.3	193	12	3.7	0	25.1	70
20/12/2022 06:30	3	189	10	4.3	0	25.1	70
20/12/2022 06:40	2.9	190	12	3.9	0	25.2	69
20/12/2022 06:50	3.2	189	11	4.9	0	25.5	68
20/12/2022 07:00	3.6	187	12	4.9	0	25.7	68
20/12/2022 07:10	3.5	179	12	4.7	0	25.8	67
20/12/2022 07:20	3.1	184	13	4.3	0	26.1	66
20/12/2022 07:30	2.2	189	18	3.4	0	26.5	66
20/12/2022 07:40	2.5	202	18	3.8	0	27	64
20/12/2022 07:50	2.8	241	26	4.2	0	27.2	64
20/12/2022 08:00	2.5	248	22	4.4	0	27.5	63
20/12/2022 08:10	2	294	24	3.8	0	27.6	63
20/12/2022 08:20	2.8	292	16	4.6	0	27.4	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/12/2022 08:30	3.2	274	21	5.1	0	27.6	63
20/12/2022 08:40	2.8	286	22	5.1	0	27.6	62
20/12/2022 08:50	3.8	260	14	6	0	28	61
20/12/2022 09:00	3.8	279	20	6.2	0	28.1	60
20/12/2022 09:10	4.1	286	12	5.9	0	28.2	60
20/12/2022 09:20	3.6	278	17	5.3	0	28.3	60
20/12/2022 09:30	2.8	281	23	5	0	28.6	60
20/12/2022 09:40	3.5	300	14	5.4	0	28.3	61
20/12/2022 09:50	2.9	292	19	4.7	0	28.6	60
20/12/2022 10:00	4.2	327	17	6.1	0	28.8	60
20/12/2022 10:10	4.2	334	14	6.7	0	28.5	61
20/12/2022 10:20	4.8	344	18	7.7	0	28.4	61
20/12/2022 10:30	4.8	331	15	7.4	0	28.6	61
20/12/2022 10:40	5.1	336	15	7.7	0	28.5	61
20/12/2022 10:50	5.1	336	18	7.6	0	28.8	58
20/12/2022 11:00	5.4	339	15	7.6	0	28.6	58
20/12/2022 11:10	5.3	319	18	7.8	0	28.7	59
20/12/2022 11:20	5.1	324	19	7.8	0	29.1	58
20/12/2022 11:30	5.2	325	17	7.2	0	29.4	57
20/12/2022 11:40	5.8	309	14	8.3	0	28.8	58
20/12/2022 11:50	6	319	23	9.7	0	28.9	58
20/12/2022 12:00	6.1	309	16	9.8	0	28.8	58
20/12/2022 12:10	6.5	306	12	9.7	0	28.8	57
20/12/2022 12:20	6.4	321	12	9.1	0	28.7	58
20/12/2022 12:30	6.4	312	17	9.1	0	28.9	58
20/12/2022 12:40	6.4	330	17	8.6	0	29	57
20/12/2022 12:50	6	312	13	9.1	0	28.6	58
20/12/2022 13:00	6	323	11	9.5	0	28.7	58
20/12/2022 13:10	5.2	323	16	8.5	0	29.2	57
20/12/2022 13:20	5.6	317	19	8.4	0	29.3	56
20/12/2022 13:30	6.2	307	15	8.8	0	28.6	59
20/12/2022 13:40	4.9	312	17	7.6	0	28.6	59
20/12/2022 13:50	5.4	326	14	9.1	0	28.9	58
20/12/2022 14:00	5.6	325	15	8	0	28.5	58
20/12/2022 14:10	5.1	325	16	8.1	0	28.8	58
20/12/2022 14:20	5.6	318	12	8.4	0	29	56
20/12/2022 14:30	5.7	325	13	8.3	0	29	56
20/12/2022 14:40	5.8	324	15	8.4	0	28.5	58
20/12/2022 14:50	5.1	322	17	7.3	0	28.4	59
20/12/2022 15:00	5.4	335	19	8	0	28.9	58
20/12/2022 15:10	5.8	335	13	8.4	0	28.7	59
20/12/2022 15:20	5.9	342	12	8.8	0	28.5	60
20/12/2022 15:30	5.9	332	13	8.1	0	28.7	60
20/12/2022 15:40	6.2	329	13	9.1	0	28.5	60
20/12/2022 15:50	6.7	332	12	9.5	0	28.5	60
20/12/2022 16:00	6.5	328	11	9.2	0	28.5	60
20/12/2022 16:10	5.9	326	15	9.3	0	28.7	59
20/12/2022 16:20	5.7	319	12	8.1	0	28.4	59



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/12/2022 16:30	6.2	329	12	8.7	0	28	60
20/12/2022 16:40	5.2	323	14	8.2	0	28.2	60
20/12/2022 16:50	6.1	328	13	8.6	0	27.9	60
20/12/2022 17:00	6	312	15	8.8	0	28	60
20/12/2022 17:10	5.7	316	13	8.7	0	27.9	58
20/12/2022 17:20	6	306	14	8.5	0	27.9	57
20/12/2022 17:30	5.6	308	10	8.8	0	27.8	58
20/12/2022 17:40	5.2	315	10	8	0	27.8	58
20/12/2022 17:50	5	317	13	7.9	0	27.8	57
20/12/2022 18:00	5.9	313	10	8.4	0	27.5	58
20/12/2022 18:10	5.9	314	11	9.4	0	27.2	59
20/12/2022 18:20	6.2	312	12	8.3	0	27	60
20/12/2022 18:30	5.6	315	12	7.8	0	26.8	62
20/12/2022 18:40	5.7	307	10	8.4	0	26.6	62
20/12/2022 18:50	6.2	313	8	8.7	0	26.4	64
20/12/2022 19:00	5.8	306	10	8.5	0	26.2	64
20/12/2022 19:10	6.2	314	7	8.3	0	26.1	66
20/12/2022 19:20	5.7	311	10	8.1	0	26	66
20/12/2022 19:30	6.1	310	10	8.7	0	26	66
20/12/2022 19:40	5.3	306	10	8.3	0	26	66
20/12/2022 19:50	5.4	304	12	9	0	25.9	67
20/12/2022 20:00	6.1	286	9	8.9	0	25.8	67
20/12/2022 20:10	6.5	286	9	9.3	0	25.7	67
20/12/2022 20:20	6	278	8	8.7	0	25.7	66
20/12/2022 20:30	5.9	279	10	7.7	0	25.7	67
20/12/2022 20:40	7	285	9	9	0	25.6	67
20/12/2022 20:50	7.2	285	10	9.6	0	25.6	67
20/12/2022 21:00	6.8	284	8	9.1	0	25.6	67
20/12/2022 21:10	6.3	273	7	8.5	0	25.6	67
20/12/2022 21:20	6.7	277	7	8.6	0	25.5	67
20/12/2022 21:30	6.2	276	8	9.5	0	25.5	68
20/12/2022 21:40	6.6	274	8	8.9	0	25.4	67
20/12/2022 21:50	6	281	9	8.7	0	25.4	67
20/12/2022 22:00	5.9	279	8	8.5	0	25.4	66
20/12/2022 22:10	6.1	275	9	8.1	0	25.4	66
20/12/2022 22:20	5.7	275	9	7.3	0	25.4	67
20/12/2022 22:30	6.4	279	7	8.6	0	25.5	66
20/12/2022 22:40	5.6	279	8	8.2	0	25.5	67
20/12/2022 22:50	6.3	276	8	8.9	0	25.5	66
20/12/2022 23:00	5.6	271	7	7.4	0	25.5	67
20/12/2022 23:10	6.6	269	7	8.8	0	25.4	66
20/12/2022 23:20	6.3	270	7	9	0	25.4	65
20/12/2022 23:30	5.6	275	9	8	0	25.3	66
20/12/2022 23:40	6.2	270	7	8.3	0	25.3	66
20/12/2022 23:50	5.8	273	9	7.6	0	25.3	66
21/12/2022 00:00	5.8	263	7	7.9	0	25.4	65
21/12/2022 00:10	5	259	8	7.9	0	25.4	65
21/12/2022 00:20	6.5	254	6	8.4	0	25.4	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/12/2022 00:30	5.9	255	8	7.9	0	25.4	65
21/12/2022 00:40	5.4	261	7	7.1	0	25.3	65
21/12/2022 00:50	5	261	7	7.2	0	25.2	66
21/12/2022 01:00	5.3	268	6	7	0	25.2	67
21/12/2022 01:10	4.4	259	7	6.8	0	25.3	68
21/12/2022 01:20	4.7	248	9	6.5	0	25.4	68
21/12/2022 01:30	4.9	240	10	7.2	0	25.5	68
21/12/2022 01:40	4.8	239	11	7	0	25.3	68
21/12/2022 01:50	4.6	251	9	6.4	0	25.2	68
21/12/2022 02:00	5.2	247	10	7.2	0	25.1	68
21/12/2022 02:10	5.2	236	9	7.9	0	25.1	68
21/12/2022 02:20	5.4	239	10	7.7	0	25	69
21/12/2022 02:30	5.5	236	11	8.5	0	24.9	69
21/12/2022 02:40	4.9	241	9	6.7	0	24.8	69
21/12/2022 02:50	4.6	240	11	6.1	0	24.8	69
21/12/2022 03:00	4.3	239	11	6.8	0	24.8	69
21/12/2022 03:10	3.5	253	11	5.4	0	24.5	69
21/12/2022 03:20	3.7	258	8	5.4	0	24.2	69
21/12/2022 03:30	3.6	254	10	4.7	0	24.1	70
21/12/2022 03:40	3.3	256	8	4.4	0	24.1	70
21/12/2022 03:50	3.4	259	8	4.7	0	23.9	70
21/12/2022 04:00	3.1	265	7	4.1	0	23.8	71
21/12/2022 04:10	2.6	260	8	3.5	0	24	71
21/12/2022 04:20	2.1	263	9	3.5	0	24.1	71
21/12/2022 04:30	1.5	240	16	2.5	0	24.1	71
21/12/2022 04:40	2.3	254	11	3.3	0	24.3	71
21/12/2022 04:50	2.6	263	9	4.1	0	24.1	71
21/12/2022 05:00	2.2	269	9	3.8	0	23.9	71
21/12/2022 05:10	2.3	266	7	3.2	0	23.9	71
21/12/2022 05:20	2.4	264	10	3.7	0	24	71
21/12/2022 05:30	2.3	270	6	3.1	0	24	71
21/12/2022 05:40	2.3	263	7	3.2	0	24	71
21/12/2022 05:50	3.1	265	11	4.9	0	24.5	71
21/12/2022 06:00	4	264	12	5.8	0	24.9	69
21/12/2022 06:10	3	259	9	4	0	25.1	70
21/12/2022 06:20	2.6	256	10	4.2	0	25.4	70
21/12/2022 06:30	2.9	242	12	4.3	0	25.4	70
21/12/2022 06:40	3.6	243	11	5.1	0	25.4	70
21/12/2022 06:50	4.4	235	9	6.2	0	25.5	70
21/12/2022 07:00	3.5	252	15	4.9	0	25.8	69
21/12/2022 07:10	4.2	246	14	6.3	0	25.9	68
21/12/2022 07:20	4.2	263	9	6.3	0	26.3	67
21/12/2022 07:30	4.7	262	9	6.2	0	26.7	67
21/12/2022 07:40	4.5	261	11	5.6	0	27	65
21/12/2022 07:50	4.9	263	8	6.4	0	27.1	65
21/12/2022 08:00	5.2	256	9	6.7	0	27.2	64
21/12/2022 08:10	5.3	267	9	7.3	0	27.5	63
21/12/2022 08:20	4.8	266	12	7	0	27.6	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/12/2022 08:30	4.6	270	12	6.6	0	27.5	63
21/12/2022 08:40	4.8	263	12	6.7	0	27.9	61
21/12/2022 08:50	4.3	278	13	6.8	0	27.8	61
21/12/2022 09:00	4.4	283	12	6.6	0	28.1	64
21/12/2022 09:10	5	268	11	7	0	28.2	62
21/12/2022 09:20	5	281	16	7.9	0	28.2	63
21/12/2022 09:30	5.2	274	11	7.4	0	28.3	62
21/12/2022 09:40	5.3	278	12	7.5	0	28.4	63
21/12/2022 09:50	5.3	281	11	7.9	0	28.5	62
21/12/2022 10:00	5.8	267	8	8.6	0	28.2	64
21/12/2022 10:10	6.1	279	15	9	0	28.6	63
21/12/2022 10:20	6.7	268	7	8.4	0	28.4	62
21/12/2022 10:30	6.1	275	11	8	0	28.5	62
21/12/2022 10:40	5.5	262	10	8.8	0	28.8	61
21/12/2022 10:50	5.4	279	16	8.2	0	28.8	60
21/12/2022 11:00	5.7	278	13	8.1	0	29	59
21/12/2022 11:10	6.4	294	12	9.4	0	29	59
21/12/2022 11:20	6.8	285	9	9.6	0	28.9	58
21/12/2022 11:30	6.9	287	10	9.5	0	29	57
21/12/2022 11:40	6.1	297	15	8.8	0	29.3	56
21/12/2022 11:50	6.6	296	14	9.1	0	29	58
21/12/2022 12:00	6.4	295	15	9.8	0	29.1	57
21/12/2022 12:10	6.4	306	14	9.6	0	29.3	57
21/12/2022 12:20	6.7	308	15	9.9	0	28.7	59
21/12/2022 12:30	6.9	308	11	10.6	0	28.8	59
21/12/2022 12:40	6.7	301	12	10.2	0	28.8	59
21/12/2022 12:50	6.9	299	14	10.2	0	29	59
21/12/2022 13:00	6.7	306	14	10	0	29.1	59
21/12/2022 13:10	7.2	310	13	9.9	0	28.7	61
21/12/2022 13:20	7.1	308	14	11.2	0	28.8	61
21/12/2022 13:30	7.8	308	12	10.7	0	28.4	62
21/12/2022 13:40	7.5	304	11	10.8	0	28.3	62
21/12/2022 13:50	7.4	311	12	9.8	0	28.4	62
21/12/2022 14:00	7	297	14	11.1	0	29.1	60
21/12/2022 14:10	6.8	303	17	9.8	0	29.2	60
21/12/2022 14:20	7.6	289	9	10.6	0	28.8	61
21/12/2022 14:30	6.3	300	14	9.4	0	29	60
21/12/2022 14:40	6.3	299	13	9.7	0	29.2	60
21/12/2022 14:50	6.7	298	13	9.7	0	29.3	59
21/12/2022 15:00	6.9	305	14	11.1	0	29.1	60
21/12/2022 15:10	7.3	304	15	9.8	0	28.9	60
21/12/2022 15:20	7	299	14	10.2	0	29	61
21/12/2022 15:30	7.6	293	9	10.9	0	29.1	60
21/12/2022 15:40	7.7	290	9	11.3	0	28.8	62
21/12/2022 15:50	7	298	14	10.7	0	29	62
21/12/2022 16:00	8.3	289	9	10.8	0	28.5	64
21/12/2022 16:10	8.3	289	9	10.9	0	28.5	64
21/12/2022 16:20	8.7	287	8	11.4	0	28.4	64



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/12/2022 16:30	8.8	287	7	11.2	0	28.3	65
21/12/2022 16:40	8.5	287	7	11.4	0	28.2	65
21/12/2022 16:50	8.1	289	8	11.3	0	28	66
21/12/2022 17:00	8.8	291	7	11.4	0	27.9	66
21/12/2022 17:10	8.3	289	8	11.5	0	27.9	66
21/12/2022 17:20	8.4	289	7	11.7	0	27.6	67
21/12/2022 17:30	8	289	7	10.9	0	27.6	67
21/12/2022 17:40	7.9	287	7	10.7	0	27.6	67
21/12/2022 17:50	7.6	288	8	10.6	0	27.4	67
21/12/2022 18:00	7.8	289	7	10.7	0	27.2	67
21/12/2022 18:10	7.5	287	8	10.5	0	27.1	68
21/12/2022 18:20	8.1	288	7	10.4	0	26.9	68
21/12/2022 18:30	8	290	7	10.4	0	26.6	69
21/12/2022 18:40	7.9	290	7	10.9	0	26.4	69
21/12/2022 18:50	7.7	287	8	10.1	0	26.3	69
21/12/2022 19:00	7.6	285	9	10.3	0	26.1	70
21/12/2022 19:10	6.8	284	9	9	0	26.1	70
21/12/2022 19:20	6.7	280	8	9.1	0	26	71
21/12/2022 19:30	6.9	287	9	9.4	0	25.9	71
21/12/2022 19:40	6.7	285	8	9.1	0	25.8	71
21/12/2022 19:50	7.4	274	5	9.3	0	25.8	71
21/12/2022 20:00	7	278	8	9	0	25.8	71
21/12/2022 20:10	6.9	273	6	9	0	25.7	71
21/12/2022 20:20	6.5	275	7	8.6	0	25.6	71
21/12/2022 20:30	6.5	279	8	9.3	0	25.7	71
21/12/2022 20:40	6.6	276	9	9.4	0	25.6	71
21/12/2022 20:50	6.5	272	10	9.1	0	25.6	71
21/12/2022 21:00	6.3	275	9	10.4	0	25.6	71
21/12/2022 21:10	6	280	8	9.3	0	25.6	70
21/12/2022 21:20	7.6	272	6	10.1	0	25.6	70
21/12/2022 21:30	6.9	275	8	9.1	0	25.5	70
21/12/2022 21:40	7.8	270	6	10.1	0	25.5	71
21/12/2022 21:50	6.9	277	8	9.4	0	25.5	70
21/12/2022 22:00	6.6	277	7	8.9	0	25.5	71
21/12/2022 22:10	6.7	278	8	8.6	0	25.4	70
21/12/2022 22:20	5.8	271	8	8	0	25.5	71
21/12/2022 22:30	6.5	274	7	9	0	25.5	70
21/12/2022 22:40	6.6	273	7	8.8	0	25.4	70
21/12/2022 22:50	5.6	273	8	8	0	25.4	70
21/12/2022 23:00	5.7	278	8	7.8	0	25.4	70
21/12/2022 23:10	5.9	282	8	7.8	0	25.4	70
21/12/2022 23:20	5.6	275	7	8.1	0	25.4	71
21/12/2022 23:30	5.9	279	9	8.2	0	25.4	70
21/12/2022 23:40	6.1	275	7	7.8	0	25.3	70
21/12/2022 23:50	5.7	278	9	7.7	0	25.3	71
22/12/2022 00:00	4.8	284	10	6.4	0	25.2	71
22/12/2022 00:10	4.8	279	8	7	0	25.1	71
22/12/2022 00:20	4.4	280	7	6.1	0	25	71



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/12/2022 00:30	4.6	281	7	6.2	0	25.1	71
22/12/2022 00:40	4.7	286	9	6.8	0	25	71
22/12/2022 00:50	4.6	291	7	6.2	0	24.9	71
22/12/2022 01:00	5	289	8	6.6	0	24.9	71
22/12/2022 01:10	4.8	283	7	6.3	0	24.8	71
22/12/2022 01:20	4.7	283	7	6.6	0	24.8	72
22/12/2022 01:30	3.8	281	9	5.7	0	24.7	72
22/12/2022 01:40	4.1	282	8	5.6	0	24.6	72
22/12/2022 01:50	3.8	286	8	5.4	0	24.7	72
22/12/2022 02:00	3.5	286	8	5.1	0	24.7	72
22/12/2022 02:10	3.9	293	9	5.5	0	24.7	72
22/12/2022 02:20	4.5	290	8	5.9	0	24.8	72
22/12/2022 02:30	3.9	287	8	5.5	0	24.8	72
22/12/2022 02:40	3.8	286	9	5.5	0	24.7	72
22/12/2022 02:50	4	291	7	5.4	0	24.7	71
22/12/2022 03:00	3.9	287	8	5.1	0	24.7	71
22/12/2022 03:10	4.2	291	7	5.4	0	24.7	71
22/12/2022 03:20	4.1	284	6	5.4	0	24.7	71
22/12/2022 03:30	4.2	285	7	5.7	0	24.7	71
22/12/2022 03:40	4.1	285	8	5.6	0	24.7	72
22/12/2022 03:50	4.2	284	8	5.6	0	24.6	72
22/12/2022 04:00	4.2	285	8	5.9	0	24.6	72
22/12/2022 04:10	4.4	280	6	5.8	0	24.6	72
22/12/2022 04:20	4	281	6	5.2	0	24.5	72
22/12/2022 04:30	4.3	280	7	5.8	0	24.5	72
22/12/2022 04:40	3.7	280	6	5.1	0	24.5	72
22/12/2022 04:50	3.8	277	6	5.1	0	24.4	72
22/12/2022 05:00	4.2	280	6	5.4	0	24.4	72
22/12/2022 05:10	3.5	283	6	4.9	0	24.4	72
22/12/2022 05:20	3.3	294	8	4.5	0	24.4	72
22/12/2022 05:30	3.4	289	8	4.7	0	24.5	72
22/12/2022 05:40	3.3	292	8	4.7	0	24.5	72
22/12/2022 05:50	3.1	283	8	4.4	0	24.5	72
22/12/2022 06:00	3.3	288	8	4.6	0	24.6	72
22/12/2022 06:10	2.8	283	7	4.1	0	24.8	72
22/12/2022 06:20	2.7	279	8	3.6	0	25.1	71
22/12/2022 06:30	2.7	276	8	3.9	0	25.3	71
22/12/2022 06:40	2.2	279	13	3.4	0	25.7	70
22/12/2022 06:50	2.5	272	14	3.9	0	25.9	70
22/12/2022 07:00	1.7	289	20	3.2	0	26.1	69
22/12/2022 07:10	2.5	278	17	3.7	0	26.3	69
22/12/2022 07:20	1.8	265	22	2.9	0	26.6	68
22/12/2022 07:30	2	208	21	3.5	0.1	26.8	68
22/12/2022 07:40	1.7	186	18	3.2	0	26.6	68
22/12/2022 07:50	2.8	133	18	4.2	0	27.4	67
22/12/2022 08:00	3.5	114	11	4.9	0	27.5	67
22/12/2022 08:10	2.5	114	21	4.5	0	27.6	67
22/12/2022 08:20	2.5	131	16	4	0	28	65





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/12/2022 08:30	2.3	126	21	3.8	0	28.2	64
22/12/2022 08:40	2.5	99	27	4.6	0	28.5	63
22/12/2022 08:50	2.7	91	23	4.2	0	28.7	62
22/12/2022 09:00	2.7	78	18	4.4	0	28.6	63
22/12/2022 09:10	3.1	68	17	5.1	0	28.4	63
22/12/2022 09:20	4.2	94	14	6.6	0	28.9	61
22/12/2022 09:30	3	73	14	4.7	0	28.3	62
22/12/2022 09:40	3.4	45	12	5.5	0	28.5	61
22/12/2022 09:50	3	70	21	4.9	0	29.1	60
22/12/2022 10:00	2.7	187	33	4.8	0	29.3	61
22/12/2022 10:10	2.6	191	23	4.6	0	29.2	61
22/12/2022 10:20	2.1	47	34	5.3	0	29.6	61
22/12/2022 10:30	4.2	87	17	6.4	0	30	59
22/12/2022 10:40	4.3	98	19	6.9	0	29.6	60
22/12/2022 10:50	3.7	66	22	6	0	29.4	60
22/12/2022 11:00	3.4	54	18	5.8	0	29.7	59
22/12/2022 11:10	3.3	41	17	5.6	0	29.9	58
22/12/2022 11:20	4.1	183	33	7.7	0	29.2	62
22/12/2022 11:30	3.7	20	19	5.9	0	29.3	62
22/12/2022 11:40	4.2	8	19	6.8	0	29.4	62
22/12/2022 11:50	4.6	183	19	7.2	0	29.6	61
22/12/2022 12:00	5.2	7	11	6.9	0	29.3	62
22/12/2022 12:10	5.2	7	14	7.3	0	29.4	61
22/12/2022 12:20	5.9	12	12	8.2	0	29.3	61
22/12/2022 12:30	6.2	15	8	7.8	0	29.3	62
22/12/2022 12:40	7.1	10	9	9.1	0	29.1	62
22/12/2022 12:50	7.1	14	9	9.5	0	29.2	62
22/12/2022 13:00	7.2	15	8	9.2	0	29.2	61
22/12/2022 13:10	7.4	9	9	9.7	0	29	62
22/12/2022 13:20	7.4	10	9	10.4	0	29.2	61
22/12/2022 13:30	7.6	5	10	10.8	0	29.2	61
22/12/2022 13:40	7.2	183	11	9.4	0	29.5	60
22/12/2022 13:50	6.6	6	11	9.4	0	29.3	60
22/12/2022 14:00	6.9	358	11	9.7	0	29.5	59
22/12/2022 14:10	7.4	181	11	9.5	0	29.1	60
22/12/2022 14:20	6.9	0	10	9.1	0	29.3	60
22/12/2022 14:30	6.8	6	10	9.3	0	29.6	59
22/12/2022 14:40	7	6	9	9.6	0	29.6	59
22/12/2022 14:50	6.8	12	9	8.9	0	29.7	58
22/12/2022 15:00	6.7	9	11	9.2	0	29.7	58
22/12/2022 15:10	6.3	8	9	8.6	0	29.5	59
22/12/2022 15:20	5.8	175	16	8	0	29.5	60
22/12/2022 15:30	5.7	351	16	8	0	29.7	60
22/12/2022 15:40	6.5	338	12	9.7	0	29.3	61
22/12/2022 15:50	6.6	339	11	9.1	0	29	62
22/12/2022 16:00	6.7	335	11	9.5	0	28.8	63
22/12/2022 16:10	6.7	341	13	9.4	0	28.4	64
22/12/2022 16:20	5.9	337	11	8.7	0	28.7	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/12/2022 16:30	6	341	13	9	0	28.2	64
22/12/2022 16:40	6	348	13	8	0	28.2	63
22/12/2022 16:50	5.6	346	14	8.2	0	28.2	63
22/12/2022 17:00	5.1	344	13	8.2	0	28.3	63
22/12/2022 17:10	5.1	344	13	7.2	0	28.2	64
22/12/2022 17:20	4.9	345	15	7.2	0	28.2	63
22/12/2022 17:30	5.7	344	14	8.4	0	27.7	64
22/12/2022 17:40	5.4	338	15	8.2	0	27.7	65
22/12/2022 17:50	5.1	332	16	8.1	0	27.7	65
22/12/2022 18:00	5.6	326	11	7.8	0	27.5	66
22/12/2022 18:10	5.4	327	12	8	0	27.2	67
22/12/2022 18:20	5.2	327	11	7.8	0	27.1	67
22/12/2022 18:30	5.6	316	12	8.7	0	26.9	68
22/12/2022 18:40	4.7	314	14	7.1	0	26.8	68
22/12/2022 18:50	4.8	316	11	7.4	0	26.6	68
22/12/2022 19:00	5.5	319	12	8.1	0	26.4	69
22/12/2022 19:10	5.2	324	11	8	0	26.4	69
22/12/2022 19:20	5.4	321	10	7.9	0	26.3	69
22/12/2022 19:30	5.6	314	11	7.8	0	26.3	69
22/12/2022 19:40	5.4	312	9	7.5	0	26.2	69
22/12/2022 19:50	4.9	316	13	7.1	0	26.2	69
22/12/2022 20:00	5.5	314	9	7.9	0	26.2	69
22/12/2022 20:10	4.7	315	11	7.2	0	26.2	70
22/12/2022 20:20	5.3	309	9	7.5	0	26.1	70
22/12/2022 20:30	4.9	314	9	7.1	0	26.1	70
22/12/2022 20:40	4.7	309	11	6.7	0	26.1	70
22/12/2022 20:50	5.1	309	9	7.5	0	26	70
22/12/2022 21:00	4.7	291	11	6.8	0	26	70
22/12/2022 21:10	4.8	294	8	6.6	0	25.9	71
22/12/2022 21:20	4.8	285	8	6.8	0	25.9	71
22/12/2022 21:30	4.4	285	9	6.3	0	25.8	71
22/12/2022 21:40	4.8	276	7	7.1	0	25.8	71
22/12/2022 21:50	5.3	272	7	7.1	0	25.8	71
22/12/2022 22:00	5.2	273	7	7	0	25.8	71
22/12/2022 22:10	4.9	273	6	6.7	0	25.8	71
22/12/2022 22:20	4.6	272	7	6.5	0	25.8	71
22/12/2022 22:30	4.7	274	9	6.5	0	25.7	71
22/12/2022 22:40	4.9	277	8	6.6	0	25.7	71
22/12/2022 22:50	4.9	277	5	7	0	25.7	71
22/12/2022 23:00	4.8	278	8	6.3	0	25.7	71
22/12/2022 23:10	4.8	273	6	6.7	0	25.7	71
22/12/2022 23:20	5	267	6	6.5	0	25.7	72
22/12/2022 23:30	5.2	267	5	6.7	0	25.7	71
22/12/2022 23:40	4.5	263	7	6.2	0	25.7	72
22/12/2022 23:50	5.4	263	6	7	0	25.6	71
23/12/2022 00:00	4.9	270	6	6.6	0	25.6	71
23/12/2022 00:10	4.6	266	7	6.4	0	25.6	71
23/12/2022 00:20	5.2	260	6	6.5	0	25.6	71



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/12/2022 00:30	4.5	258	7	5.8	0	25.5	72
23/12/2022 00:40	4.7	256	8	6.2	0	25.5	71
23/12/2022 00:50	3.5	260	7	4.9	0	25.4	72
23/12/2022 01:00	3.9	260	7	5.3	0	25.3	72
23/12/2022 01:10	3.8	261	5	4.9	0	25.3	72
23/12/2022 01:20	3.7	260	6	4.6	0	25.3	72
23/12/2022 01:30	3.9	257	8	5.6	0	25.3	71
23/12/2022 01:40	3.2	250	11	4.4	0	25.3	72
23/12/2022 01:50	3.3	245	11	4.8	0	25.3	72
23/12/2022 02:00	3.1	246	13	5.1	0	25.3	71
23/12/2022 02:10	3.2	255	12	4.3	0	25.1	72
23/12/2022 02:20	3.5	260	7	5	0	24.9	72
23/12/2022 02:30	3.2	254	10	4.6	0	24.8	72
23/12/2022 02:40	3.5	257	10	5.1	0	24.8	72
23/12/2022 02:50	3.2	246	12	4.7	0	25	72
23/12/2022 03:00	3.5	244	11	5.4	0	25.3	71
23/12/2022 03:10	3.1	240	13	4.5	0	25.3	71
23/12/2022 03:20	3.9	242	12	5.9	0	25.4	71
23/12/2022 03:30	3	245	12	4.5	0	25.2	71
23/12/2022 03:40	2.8	240	14	4.3	0	25.2	71
23/12/2022 03:50	2.4	227	15	3.8	0	25.2	71
23/12/2022 04:00	3.5	238	12	5.1	0	25.2	71
23/12/2022 04:10	4.5	239	10	6.5	0	25.3	71
23/12/2022 04:20	3.4	236	13	5.6	0	25.2	71
23/12/2022 04:30	3.9	239	10	5.8	0	25.1	71
23/12/2022 04:40	3.3	234	14	4.6	0	25.1	71
23/12/2022 04:50	3.7	235	11	5.6	0	25.1	71
23/12/2022 05:00	3.1	232	14	4.8	0	25	71
23/12/2022 05:10	3.2	232	14	4.9	0	25	71
23/12/2022 05:20	3.5	234	12	5.3	0	25	71
23/12/2022 05:30	3.4	237	11	4.9	0	25	71
23/12/2022 05:40	2.4	214	15	4.1	0	24.8	72
23/12/2022 05:50	2.9	229	15	4.3	0	24.9	72
23/12/2022 06:00	3.1	234	11	4.7	0	25.1	71
23/12/2022 06:10	2.8	233	14	4.4	0	25.3	71
23/12/2022 06:20	2.1	237	16	3.2	0	25.4	71
23/12/2022 06:30	2.2	244	16	3.4	0	25.6	70
23/12/2022 06:40	1.8	198	14	2.8	0	25.8	70
23/12/2022 06:50	1.8	184	14	2.8	0	25.9	69
23/12/2022 07:00	1.5	186	14	2.5	0	26.4	68
23/12/2022 07:10	2.1	184	13	3.2	0	26.8	67
23/12/2022 07:20	2	177	14	2.9	0	26.9	66
23/12/2022 07:30	1.4	177	23	2.5	0	27.4	65
23/12/2022 07:40	1.8	125	21	2.9	0	28.2	64
23/12/2022 07:50	1.6	113	19	2.7	0	29	61
23/12/2022 08:00	2.2	96	20	3.2	0	29.3	59
23/12/2022 08:10	2.2	108	19	3.3	0	29.7	58
23/12/2022 08:20	1.8	86	19	2.9	0	30	57



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/12/2022 08:30	1.8	68	22	3	0	29.6	57
23/12/2022 08:40	1.8	115	19	2.9	0	30.1	55
23/12/2022 08:50	2.1	102	25	3.6	0	30.9	53
23/12/2022 09:00	3.2	131	14	4.7	0	30	58
23/12/2022 09:10	2.8	110	16	3.9	0	30.4	55
23/12/2022 09:20	2.5	107	21	3.6	0	31.1	49
23/12/2022 09:30	2.3	98	25	3.7	0	31.7	47
23/12/2022 09:40	2.4	61	20	4.7	0	31.7	42
23/12/2022 09:50	2.9	62	14	4.2	0	31.9	41
23/12/2022 10:00	2.9	78	21	4.5	0	32.4	43
23/12/2022 10:10	3.3	71	17	4.8	0	32.2	45
23/12/2022 10:20	3.2	71	21	5	0	32.4	44
23/12/2022 10:30	3.8	45	13	5.6	0	32.1	43
23/12/2022 10:40	3.8	52	16	6.5	0	31.8	44
23/12/2022 10:50	3.6	53	13	5.3	0	32.4	43
23/12/2022 11:00	3.5	67	11	4.9	0	32.6	44
23/12/2022 11:10	2.9	44	24	5.1	0	33.1	45
23/12/2022 11:20	3.6	14	16	5.1	0	33.1	47
23/12/2022 11:30	4.3	332	17	6.4	0	32.3	52
23/12/2022 11:40	4.6	174	12	6.7	0	32.8	50
23/12/2022 11:50	4.8	342	13	6.7	0	31.9	53
23/12/2022 12:00	4.7	179	20	6.4	0	32.2	52
23/12/2022 12:10	4.2	180	18	6.5	0	33	49
23/12/2022 12:20	4.7	169	14	6.6	0	33.3	49
23/12/2022 12:30	4.3	179	14	7	0	33.2	49
23/12/2022 12:40	5.1	341	13	6.9	0	31.9	53
23/12/2022 12:50	4.7	350	13	6.5	0	32.1	52
23/12/2022 13:00	4.2	351	14	5.7	0	32.3	52
23/12/2022 13:10	5	351	11	7.2	0	31.6	54
23/12/2022 13:20	5.2	341	13	7.3	0	31.3	55
23/12/2022 13:30	5.1	333	14	7.6	0	31.9	54
23/12/2022 13:40	6.3	328	9	8.6	0	31	56
23/12/2022 13:50	6.3	333	10	8.4	0	30.9	57
23/12/2022 14:00	6.4	338	11	8.3	0	30.7	59
23/12/2022 14:10	6.6	326	10	8.9	0	30.9	60
23/12/2022 14:20	6.6	325	9	9	0	30.9	60
23/12/2022 14:30	6.5	344	9	9.3	0	30.6	58
23/12/2022 14:40	6.1	340	11	8.6	0	30.9	56
23/12/2022 14:50	6.4	328	9	9.2	0	30.9	56
23/12/2022 15:00	6.8	327	8	9.3	0	30.7	56
23/12/2022 15:10	6.8	318	10	8.8	0	30.3	60
23/12/2022 15:20	7.4	316	10	10.1	0	29.9	61
23/12/2022 15:30	6.6	310	9	9.2	0	30.1	56
23/12/2022 15:40	6	313	13	8.9	0	30.4	56
23/12/2022 15:50	6.5	319	12	9.3	0	30.4	59
23/12/2022 16:00	6.8	319	12	9.6	0	30	61
23/12/2022 16:10	6.4	318	13	9.3	0	30.2	63
23/12/2022 16:20	6.1	316	14	9	0	29.9	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/12/2022 16:30	6.9	311	10	10	0	29.7	63
23/12/2022 16:40	6.4	317	14	8.6	0	30	63
23/12/2022 16:50	6.8	315	13	9.9	0	29.8	64
23/12/2022 17:00	7	315	12	9.5	0	29.6	64
23/12/2022 17:10	6.4	308	13	10.8	0	29.7	63
23/12/2022 17:20	7.4	301	11	10.1	0	29.2	65
23/12/2022 17:30	7.6	302	10	10.3	0	29	68
23/12/2022 17:40	7.5	298	9	10.3	0	28.6	69
23/12/2022 17:50	7.1	303	10	10.5	0	28.8	67
23/12/2022 18:00	6.8	301	10	10.1	0	28.6	67
23/12/2022 18:10	7.5	302	10	10	0	28.5	67
23/12/2022 18:20	6.5	293	10	9.8	0	28.5	68
23/12/2022 18:30	7.8	286	7	10.3	0	28.1	70
23/12/2022 18:40	6.8	285	8	9.7	0	27.9	70
23/12/2022 18:50	6.6	283	7	8.6	0	27.7	70
23/12/2022 19:00	6.6	283	7	9	0	27.5	70
23/12/2022 19:10	6.5	286	6	8.9	0	27.5	71
23/12/2022 19:20	6	284	7	7.9	0	27.3	70
23/12/2022 19:30	6	284	6	8	0	27.3	70
23/12/2022 19:40	6.1	278	7	8	0	27.3	70
23/12/2022 19:50	6.3	278	7	8	0	27.2	70
23/12/2022 20:00	5.6	270	7	7.6	0	27.2	71
23/12/2022 20:10	6.3	273	7	8.1	0	27.1	71
23/12/2022 20:20	6.1	270	6	7.6	0	27.1	71
23/12/2022 20:30	5.3	279	8	6.9	0	27	71
23/12/2022 20:40	5.6	275	6	7.3	0	27.1	72
23/12/2022 20:50	5.4	271	8	7.5	0	27	72
23/12/2022 21:00	6.6	269	7	8.4	0	26.8	72
23/12/2022 21:10	6.3	271	7	7.8	0	26.8	72
23/12/2022 21:20	5.7	270	8	7.8	0	26.7	72
23/12/2022 21:30	5.8	264	7	7.6	0	26.7	71
23/12/2022 21:40	5.8	266	7	7.7	0	26.7	71
23/12/2022 21:50	5.9	261	6	7.8	0	26.7	71
23/12/2022 22:00	5.9	255	7	7.9	0	26.7	71
23/12/2022 22:10	6.4	258	6	8.1	0	26.6	71
23/12/2022 22:20	5.9	260	6	7.8	0	26.7	71
23/12/2022 22:30	5.7	257	6	7.3	0	26.7	71
23/12/2022 22:40	5.6	262	6	6.9	0	26.7	71
23/12/2022 22:50	5.7	260	6	7.1	0	26.7	71
23/12/2022 23:00	4.9	252	8	6.4	0	26.8	71
23/12/2022 23:10	5.1	255	7	6.9	0	26.8	71
23/12/2022 23:20	5.3	253	9	7.1	0	26.7	71
23/12/2022 23:30	4.7	250	9	6.3	0	26.7	71
23/12/2022 23:40	4.4	237	10	5.9	0	26.8	71
23/12/2022 23:50	4.7	249	9	6.2	0	26.8	71
24/12/2022 00:00	4.4	256	8	6.4	0	26.7	71
24/12/2022 00:10	5.2	256	8	6.8	0	26.7	71
24/12/2022 00:20	5.5	255	7	7.4	0	26.7	71



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/12/2022 00:30	4.8	252	10	6.9	0	26.7	71
24/12/2022 00:40	4.7	255	7	6.5	0	26.7	71
24/12/2022 00:50	5.2	259	8	6.7	0	26.6	71
24/12/2022 01:00	5	257	7	7.1	0	26.5	71
24/12/2022 01:10	5.3	252	9	7.3	0	26.6	71
24/12/2022 01:20	5	248	10	6.9	0	26.7	70
24/12/2022 01:30	5	249	10	7.3	0	26.7	70
24/12/2022 01:40	4.2	248	11	6.3	0	26.7	70
24/12/2022 01:50	3.8	246	12	5.8	0	26.7	70
24/12/2022 02:00	3.7	245	13	5.7	0	26.8	70
24/12/2022 02:10	3.7	253	10	4.9	0	26.7	70
24/12/2022 02:20	2.2	235	15	3.7	0	26.8	69
24/12/2022 02:30	1.5	242	18	2.6	0	26.7	69
24/12/2022 02:40	1.5	239	18	2.4	0	26.6	69
24/12/2022 02:50	1.9	252	18	2.8	0	26.5	69
24/12/2022 03:00	1.8	239	21	2.9	0	26.6	69
24/12/2022 03:10	2.1	253	18	3.5	0	26.5	69
24/12/2022 03:20	1.5	234	16	2.4	0	26.6	68
24/12/2022 03:30	1.5	246	19	2.8	0	26.5	69
24/12/2022 03:40	1.2	260	17	2	0	26.3	69
24/12/2022 03:50	1	256	24	1.9	0	26.2	69
24/12/2022 04:00	1.6	281	12	2.5	0	26.1	69
24/12/2022 04:10	1.5	285	15	2.6	0	26.2	69
24/12/2022 04:20	1.9	288	15	2.9	0	26.2	68
24/12/2022 04:30	1.5	267	17	2.3	0	26.3	68
24/12/2022 04:40	2.8	290	4	3.6	0	26.4	69
24/12/2022 04:50	2.2	278	8	2.9	0	26.4	71
24/12/2022 05:00	2.2	281	5	2.7	0	26.1	71
24/12/2022 05:10	1.5	273	9	2.1	0	25.8	71
24/12/2022 05:20	2.4	282	7	3.3	0	25.8	72
24/12/2022 05:30	3.2	283	6	4.5	0	26.5	71
24/12/2022 05:40	3.5	284	6	4.6	0	26.8	71
24/12/2022 05:50	3.8	286	6	5.1	0	26.8	72
24/12/2022 06:00	4.6	280	5	6.1	0	26.8	72
24/12/2022 06:10	4.6	281	6	5.8	0	27	71
24/12/2022 06:20	3.9	286	6	5.3	0	27.2	71
24/12/2022 06:30	5.1	275	7	6.5	0	27.5	71
24/12/2022 06:40	5.4	270	7	7.5	0	27.9	70
24/12/2022 06:50	6	269	6	7.3	0	28.1	70
24/12/2022 07:00	6.6	263	6	8.3	0	28.4	69
24/12/2022 07:10	6.7	262	9	8.5	0	28.7	66
24/12/2022 07:20	6.7	261	6	8.2	0	28.9	65
24/12/2022 07:30	5.5	263	10	7.4	0	29.2	67
24/12/2022 07:40	6.2	271	7	8	0	29.5	68
24/12/2022 07:50	6.2	268	8	7.8	0	29.1	69
24/12/2022 08:00	6	279	10	7.6	0	29.2	70
24/12/2022 08:10	6.3	280	9	8.4	0	29.5	69
24/12/2022 08:20	7.1	284	7	8.7	0	29	70



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/12/2022 08:30	7.4	281	8	9.7	0	29	70
24/12/2022 08:40	6.7	276	9	8.8	0	29.3	70
24/12/2022 08:50	6.6	280	11	8.6	0	29.2	70
24/12/2022 09:00	6.9	279	8	8.9	0	29	70
24/12/2022 09:10	6.8	284	8	8.5	0	29.1	70
24/12/2022 09:20	6.4	285	8	8.2	0	29.1	70
24/12/2022 09:30	6.7	286	7	8.8	0	29.3	70
24/12/2022 09:40	6.3	280	9	8	0	29.8	69
24/12/2022 09:50	7.1	276	7	9.1	0	30	68
24/12/2022 10:00	6.8	277	7	8.6	0	30	68
24/12/2022 10:10	6.7	281	7	8.5	0	30.1	68
24/12/2022 10:20	6.8	281	6	8.3	0	30	68
24/12/2022 10:30	6.9	285	7	8.8	0	30.3	68
24/12/2022 10:40	6.8	280	8	8.8	0	30.5	68
24/12/2022 10:50	6.5	282	12	9.1	0	30.8	67
24/12/2022 11:00	6.6	279	9	9.1	0	30.9	67
24/12/2022 11:10	7.2	281	10	9	0	31	66
24/12/2022 11:20	7.5	284	9	9.5	0	30.6	67
24/12/2022 11:30	7.5	278	9	9.5	0	30.6	67
24/12/2022 11:40	7	281	11	9.9	0	31.2	65
24/12/2022 11:50	7.1	280	10	10.3	0	31.2	64
24/12/2022 12:00	7.3	274	9	9.8	0	31.4	63
24/12/2022 12:10	7.6	269	6	9.7	0	31.4	62
24/12/2022 12:20	7.5	275	5	9.5	0	31.7	61
24/12/2022 12:30	8	269	7	9.7	0	31.6	60
24/12/2022 12:40	8	270	7	10.1	0	31.9	59
24/12/2022 12:50	8.2	269	9	9.8	0	31.7	56
24/12/2022 13:00	8.2	267	8	9.7	0	31.9	54
24/12/2022 13:10	8.2	271	8	10.1	0	32.1	53
24/12/2022 13:20	8	272	9	10.5	0	32.3	54
24/12/2022 13:30	8.3	269	6	10.4	0	32.2	55
24/12/2022 13:40	8.1	272	7	10.2	0	32.2	54
24/12/2022 13:50	6.8	290	11	9.8	0	32.2	60
24/12/2022 14:00	7.3	294	9	9.6	0	31.1	65
24/12/2022 14:10	7.7	298	8	10.5	0	30.9	65
24/12/2022 14:20	7.1	279	14	9.8	0	31.7	64
24/12/2022 14:30	7.1	282	10	10.5	0	31.8	64
24/12/2022 14:40	7.9	270	8	10.4	0	31.4	65
24/12/2022 14:50	7.8	273	9	10.1	0	31.7	64
24/12/2022 15:00	7.6	291	10	9.9	0	31.2	65
24/12/2022 15:10	8.4	295	8	10.8	0	30.6	67
24/12/2022 15:20	8.9	295	7	11.2	0	30.5	66
24/12/2022 15:30	8.5	295	7	10.5	0	30.6	66
24/12/2022 15:40	8.8	292	8	11	0	30.5	66
24/12/2022 15:50	9.2	290	7	11.3	0	30.4	66
24/12/2022 16:00	9.3	292	8	11.9	0	30.2	66
24/12/2022 16:10	9	294	8	11.9	0	30.2	65
24/12/2022 16:20	8.7	298	7	11.1	0	30.3	64



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/12/2022 16:30	8.3	294	8	11.4	0	30.5	63
24/12/2022 16:40	8.7	296	8	11	0	30.1	65
24/12/2022 16:50	8.5	293	8	11	0	30	65
24/12/2022 17:00	8.2	294	9	11	0	29.9	66
24/12/2022 17:10	8.4	294	7	11.2	0	29.9	65
24/12/2022 17:20	8.7	278	8	11.3	0	30	65
24/12/2022 17:30	9.2	266	7	11.7	0	29.7	66
24/12/2022 17:40	9.1	268	5	11.3	0	29.4	67
24/12/2022 17:50	8.6	268	6	11.9	0	29.5	67
24/12/2022 18:00	9	268	7	11.6	0	29.2	67
24/12/2022 18:10	8.9	268	7	11.6	0	29	68
24/12/2022 18:20	9.6	272	6	11.9	0	28.5	70
24/12/2022 18:30	8.7	270	7	11.3	0	28.5	71
24/12/2022 18:40	9.2	269	7	11.9	0	28.2	70
24/12/2022 18:50	8	269	6	10.7	0	28.1	71
24/12/2022 19:00	9	271	7	11.1	0	27.8	71
24/12/2022 19:10	8.6	275	7	11.7	0	27.7	72
24/12/2022 19:20	8	275	7	10.3	0	27.7	72
24/12/2022 19:30	7.9	277	7	10.5	0	27.6	72
24/12/2022 19:40	8.3	272	7	10.8	0	27.5	72
24/12/2022 19:50	7.7	274	6	11.2	0	27.5	72
24/12/2022 20:00	7.6	276	7	10.3	0	27.5	72
24/12/2022 20:10	7.4	272	7	9.9	0	27.5	71
24/12/2022 20:20	7.9	268	7	10.4	0	27.5	71
24/12/2022 20:30	7.7	269	6	9.9	0	27.5	71
24/12/2022 20:40	7.7	276	7	10.6	0	27.5	71
24/12/2022 20:50	8.2	271	7	11.1	0	27.5	71
24/12/2022 21:00	7	271	7	9.4	0	27.5	71
24/12/2022 21:10	8	271	6	10.5	0	27.5	71
24/12/2022 21:20	7.9	270	6	10.3	0	27.5	71
24/12/2022 21:30	7	268	7	9.6	0	27.5	71
24/12/2022 21:40	7.3	265	7	9.7	0	27.5	71
24/12/2022 21:50	7.4	264	6	10.1	0	27.5	71
24/12/2022 22:00	7.8	257	6	10	0	27.5	71
24/12/2022 22:10	7.3	254	7	9.2	0	27.4	71
24/12/2022 22:20	7.9	255	7	10.2	0	27.5	70
24/12/2022 22:30	6.5	252	8	8.9	0	27.5	70
24/12/2022 22:40	6.7	247	10	8.8	0	27.6	70
24/12/2022 22:50	5.8	245	9	8.5	0	27.6	70
24/12/2022 23:00	6.9	248	11	10.4	0	27.5	70
24/12/2022 23:10	7.1	254	8	9.4	0	27.3	69
24/12/2022 23:20	5.3	244	11	7.9	0	27.5	67
24/12/2022 23:30	4.5	238	10	6.5	0	27.7	67
24/12/2022 23:40	4.6	244	9	6.2	0	27.7	67
24/12/2022 23:50	4.9	252	7	6.5	0	27.4	68
25/12/2022 00:00	5	251	10	6.9	0	27.3	68
25/12/2022 00:10	4.7	251	8	6.6	0	27.3	68
25/12/2022 00:20	5.5	255	7	7.3	0	27.2	68





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/12/2022 00:30	5.9	254	6	7.9	0	27.1	68
25/12/2022 00:40	5.7	259	6	6.9	0	27.1	68
25/12/2022 00:50	5.3	259	6	6.9	0	27.1	68
25/12/2022 01:00	5.2	264	6	6.7	0	27.1	68
25/12/2022 01:10	5.7	266	6	7.4	0	27.1	68
25/12/2022 01:20	5.3	265	7	7	0	27.1	69
25/12/2022 01:30	5.3	266	7	6.9	0	27.2	69
25/12/2022 01:40	5.5	264	7	7.1	0	27.2	69
25/12/2022 01:50	5.4	263	6	7.2	0	27.3	69
25/12/2022 02:00	5.6	258	6	7.6	0	27.3	69
25/12/2022 02:10	6.2	263	7	7.9	0	27.5	68
25/12/2022 02:20	6.2	261	5	8	0	27.5	68
25/12/2022 02:30	6.2	264	6	8.2	0	27.6	68
25/12/2022 02:40	6.4	264	6	8.5	0	27.6	67
25/12/2022 02:50	6.8	266	7	8.6	0	27.5	68
25/12/2022 03:00	6.4	262	6	8.5	0	27.5	69
25/12/2022 03:10	6.7	263	6	8.7	0	27.4	70
25/12/2022 03:20	6.2	262	7	8.9	0	27.4	70
25/12/2022 03:30	5.8	265	6	7.4	0	27.4	71
25/12/2022 03:40	6.1	260	5	8.2	0	27.5	72
25/12/2022 03:50	6.2	264	7	9	0	27.4	72
25/12/2022 04:00	5.7	268	7	7.4	0	27.4	71
25/12/2022 04:10	5.6	270	7	7.7	0	27.4	71
25/12/2022 04:20	6.5	273	6	8.8	0	27.5	71
25/12/2022 04:30	7	275	6	9.2	0	27.4	70
25/12/2022 04:40	6.9	275	7	9.5	0	27.3	69
25/12/2022 04:50	6.7	271	7	9	0	27.2	69
25/12/2022 05:00	6.4	269	7	8.7	0	27.2	69
25/12/2022 05:10	5.7	264	7	7.3	0	27.2	68
25/12/2022 05:20	5.6	261	7	7.3	0	27.2	68
25/12/2022 05:30	6.9	259	6	8.4	0	27.2	68
25/12/2022 05:40	6.5	260	6	8.7	0	27.2	69
25/12/2022 05:50	6	258	6	7.5	0	27.3	69
25/12/2022 06:00	5	262	6	6.1	0	27.3	69
25/12/2022 06:10	5.9	262	6	7.5	0	27.3	69
25/12/2022 06:20	5.4	259	6	6.9	0	27.4	69
25/12/2022 06:30	5.6	258	5	6.9	0	27.4	69
25/12/2022 06:40	5.9	258	5	7.1	0	27.6	69
25/12/2022 06:50	6.3	262	6	7.8	0	27.8	69
25/12/2022 07:00	5.8	258	9	8.1	0	28.1	69
25/12/2022 07:10	6.5	261	8	8.7	0	28.3	69
25/12/2022 07:20	7.4	259	9	9.5	0	28.5	68
25/12/2022 07:30	7	258	8	9.3	0	28.6	68
25/12/2022 07:40	7.8	256	8	9.8	0	28.8	67
25/12/2022 07:50	7.6	255	9	9.7	0	29.1	67
25/12/2022 08:00	6.9	262	9	9.1	0	29.3	67
25/12/2022 08:10	7.6	270	8	10.2	0	29.5	66
25/12/2022 08:20	7.3	266	8	9.7	0	29.5	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/12/2022 08:30	7.1	269	8	9.6	0	29.9	66
25/12/2022 08:40	7.7	272	9	9.9	0	29.9	66
25/12/2022 08:50	8.3	278	8	10.4	0	30.1	65
25/12/2022 09:00	8.3	275	9	10.9	0	30.1	66
25/12/2022 09:10	8.2	273	7	10.6	0	30	66
25/12/2022 09:20	8.4	271	7	10.5	0	29.7	67
25/12/2022 09:30	8.5	280	7	10.4	0	29.6	68
25/12/2022 09:40	8	276	8	10.4	0	30.1	67
25/12/2022 09:50	8.7	278	8	11.3	0	30	67
25/12/2022 10:00	8.1	272	7	10.5	0	29.9	68
25/12/2022 10:10	8.7	276	8	10.6	0	29.9	68
25/12/2022 10:20	8.6	272	9	10.7	0	30	68
25/12/2022 10:30	9.3	270	5	11.5	0	29.9	68
25/12/2022 10:40	8.8	271	9	11	0	30.1	67
25/12/2022 10:50	8.9	270	10	11.3	0	30.2	67
25/12/2022 11:00	9.1	270	9	10.9	0	30.3	67
25/12/2022 11:10	8.9	277	7	11.3	0	30.1	67
25/12/2022 11:20	8.6	274	10	11.5	0	30.3	67
25/12/2022 11:30	9.4	272	9	11.9	0	30.6	66
25/12/2022 11:40	9.6	270	7	12.6	0	30.1	67
25/12/2022 11:50	8	280	10	11.6	0	30.6	67
25/12/2022 12:00	9.1	273	11	11.5	0	30.6	67
25/12/2022 12:10	8.6	279	11	12	0	30.6	67
25/12/2022 12:20	9.3	273	7	12	0	30.8	66
25/12/2022 12:30	9	268	6	11.7	0	31.4	64
25/12/2022 12:40	8.8	270	7	11.3	0	31.5	64
25/12/2022 12:50	9	271	7	11.9	0	31.4	65
25/12/2022 13:00	8.5	273	10	10.9	0	31.6	64
25/12/2022 13:10	8.1	294	9	10.4	0	31.4	64
25/12/2022 13:20	8.9	294	7	11.4	0	30.9	65
25/12/2022 13:30	8.7	290	6	11	0	31.1	65
25/12/2022 13:40	8.9	292	6	11.4	0	31	65
25/12/2022 13:50	9.1	286	8	12	0	31.3	64
25/12/2022 14:00	9	287	7	12	0	31.3	64
25/12/2022 14:10	9.3	286	7	12.6	0	31.1	64
25/12/2022 14:20	9.5	284	7	11.9	0	30.7	65
25/12/2022 14:30	9.8	287	6	12.6	0	30.6	66
25/12/2022 14:40	9.7	287	7	13.4	0	30.6	66
25/12/2022 14:50	9.5	289	8	12.3	0	30.2	68
25/12/2022 15:00	8.7	294	8	11.9	0	30.1	68
25/12/2022 15:10	9.3	298	7	12.2	0	30	68
25/12/2022 15:20	8.6	297	10	11.7	0	30.5	67
25/12/2022 15:30	8.7	290	10	11.5	0	31	65
25/12/2022 15:40	9	295	7	12.3	0	30.7	65
25/12/2022 15:50	8.1	287	9	11.4	0	31.1	65
25/12/2022 16:00	8.4	288	9	11.4	0	31.3	64
25/12/2022 16:10	8	289	10	11.6	0	31.5	63
25/12/2022 16:20	7.3	284	9	10.8	0	32.1	61



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/12/2022 16:30	8.1	289	9	11	0	31.5	62
25/12/2022 16:40	8.4	297	8	11.1	0	30.5	65
25/12/2022 16:50	8.1	299	6	11.2	0	30.1	67
25/12/2022 17:00	8.3	300	8	10.8	0	30.1	66
25/12/2022 17:10	9	291	7	11.5	0	29.9	66
25/12/2022 17:20	9	293	7	12	0	29.7	67
25/12/2022 17:30	8.9	290	7	11.7	0	29.8	66
25/12/2022 17:40	8.1	287	8	10.9	0	30.1	65
25/12/2022 17:50	8.8	275	9	11.6	0	29.9	67
25/12/2022 18:00	8.6	268	6	11	0	29.4	68
25/12/2022 18:10	8.7	274	6	11.6	0	29.1	69
25/12/2022 18:20	8.9	273	5	10.7	0	28.8	69
25/12/2022 18:30	8.2	269	6	10.2	0	28.7	70
25/12/2022 18:40	8.2	270	7	11.5	0	28.6	70
25/12/2022 18:50	8.8	271	7	11.6	0	28.3	70
25/12/2022 19:00	8.8	273	8	11.7	0	28	71
25/12/2022 19:10	8.7	272	7	11.3	0	27.9	71
25/12/2022 19:20	8.8	274	6	11.2	0	27.8	71
25/12/2022 19:30	8.3	276	6	11.1	0	27.7	71
25/12/2022 19:40	8.6	274	7	11	0	27.7	71
25/12/2022 19:50	7.9	270	7	10.8	0	27.7	71
25/12/2022 20:00	8.1	274	7	10.6	0	27.7	70
25/12/2022 20:10	7.9	274	7	10.7	0	27.6	70
25/12/2022 20:20	7.8	273	6	10.4	0	27.6	70
25/12/2022 20:30	7.9	273	6	10.3	0	27.6	69
25/12/2022 20:40	7.6	267	8	9.5	0	27.7	69
25/12/2022 20:50	7.1	273	8	9.8	0	27.7	68
25/12/2022 21:00	7.5	273	7	10.1	0	27.7	68
25/12/2022 21:10	6.5	265	9	9	0	27.8	67
25/12/2022 21:20	5.9	267	10	7.9	0	27.8	67
25/12/2022 21:30	6.7	255	9	9.1	0	27.9	67
25/12/2022 21:40	6	262	8	8.3	0	27.9	68
25/12/2022 21:50	6.7	265	7	8.5	0	27.9	68
25/12/2022 22:00	7.6	261	6	10	0	27.9	68
25/12/2022 22:10	6.5	261	6	8.8	0	27.9	68
25/12/2022 22:20	6.8	260	6	9.2	0	27.8	68
25/12/2022 22:30	6.9	260	6	8.8	0	27.9	68
25/12/2022 22:40	5.7	262	8	7.5	0	27.8	68
25/12/2022 22:50	7.3	262	5	8.9	0	27.7	68
25/12/2022 23:00	6.6	262	7	8.4	0	27.7	68
25/12/2022 23:10	6.6	265	6	8.7	0	27.7	68
25/12/2022 23:20	5.9	267	8	8.6	0	27.6	68
25/12/2022 23:30	7.1	264	7	9.5	0	27.6	68
25/12/2022 23:40	6.3	265	6	8.4	0	27.6	68
25/12/2022 23:50	6.1	262	7	8	0	27.6	68
26/12/2022 00:00	6.4	258	8	8.5	0	27.6	68
26/12/2022 00:10	6.3	258	6	7.9	0	27.5	68
26/12/2022 00:20	5.9	267	7	8.4	0	27.5	68



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/12/2022 00:30	6.2	267	7	8.2	0	27.5	68
26/12/2022 00:40	6.4	268	7	8.8	0	27.5	68
26/12/2022 00:50	6.9	266	7	8.8	0	27.5	68
26/12/2022 01:00	6.7	266	7	8.6	0	27.5	68
26/12/2022 01:10	6.5	269	7	8.3	0	27.6	68
26/12/2022 01:20	6.4	266	7	8.7	0	27.5	68
26/12/2022 01:30	7	266	7	8.7	0	27.4	68
26/12/2022 01:40	7.1	263	7	9.2	0	27.3	68
26/12/2022 01:50	7.1	267	6	9.3	0	27.3	68
26/12/2022 02:00	7.3	267	6	9.2	0	27.3	68
26/12/2022 02:10	7	268	6	9	0	27.3	68
26/12/2022 02:20	6.7	268	7	8.9	0	27.4	68
26/12/2022 02:30	6.7	267	6	8.8	0	27.3	68
26/12/2022 02:40	6.8	269	5	8.4	0	27.2	67
26/12/2022 02:50	6.7	266	6	8.7	0	27.2	67
26/12/2022 03:00	7	268	6	9	0	27.1	67
26/12/2022 03:10	7.4	268	5	9.1	0	27.1	67
26/12/2022 03:20	7.2	267	6	9.2	0	27.1	66
26/12/2022 03:30	7.2	270	6	9.2	0	27.1	66
26/12/2022 03:40	7.3	272	6	9.6	0	27.1	66
26/12/2022 03:50	6.5	276	7	9	0	27	66
26/12/2022 04:00	6.7	279	6	8.9	0	27	65
26/12/2022 04:10	6.7	281	5	9.2	0	26.9	65
26/12/2022 04:20	7.7	278	5	10	0	26.9	65
26/12/2022 04:30	6.8	282	7	9.3	0	26.9	65
26/12/2022 04:40	5.9	288	8	8.3	0	26.8	65
26/12/2022 04:50	6.5	293	8	8.4	0	26.6	65
26/12/2022 05:00	6.7	293	7	8.6	0	26.5	65
26/12/2022 05:10	7	294	7	8.8	0	26.4	65
26/12/2022 05:20	7.2	291	7	9.7	0	26.4	65
26/12/2022 05:30	7	282	8	9.4	0	26.4	65
26/12/2022 05:40	6.4	280	7	8.3	0	26.4	65
26/12/2022 05:50	6.1	282	7	8.1	0	26.6	65
26/12/2022 06:00	6.1	278	8	9.1	0	26.7	65
26/12/2022 06:10	6.5	276	8	9.2	0	26.9	65
26/12/2022 06:20	6.7	271	6	9.6	0	27	65
26/12/2022 06:30	6.8	275	7	9	0	27.1	65
26/12/2022 06:40	5.9	274	8	8	0	27.3	65
26/12/2022 06:50	6.6	273	8	8.7	0	27.4	65
26/12/2022 07:00	6.9	270	6	8.8	0	27.6	65
26/12/2022 07:10	6.3	270	7	8.1	0	27.8	66
26/12/2022 07:20	6.6	272	10	8.8	0	28.1	66
26/12/2022 07:30	6.8	271	6	8.8	0	28	66
26/12/2022 07:40	6.8	268	8	8.6	0	28.1	66
26/12/2022 07:50	7.1	268	6	9.1	0	28.3	66
26/12/2022 08:00	6.5	276	9	8.5	0	28.8	66
26/12/2022 08:10	6.9	276	7	8.8	0	28.9	66
26/12/2022 08:20	7.2	282	9	9.1	0	28.9	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/12/2022 08:30	6.6	284	8	9.3	0	29.2	66
26/12/2022 08:40	7.6	275	9	9.8	0	29	66
26/12/2022 08:50	7.5	276	9	9.8	0	29	66
26/12/2022 09:00	7.5	276	7	9.8	0	29.3	66
26/12/2022 09:10	7.6	273	8	9.8	0	29.7	66
26/12/2022 09:20	7.9	275	8	9.6	0	29.4	67
26/12/2022 09:30	8.2	280	7	10.1	0	29.4	67
26/12/2022 09:40	7.5	278	9	9.9	0	29.6	66
26/12/2022 09:50	7.5	274	9	9.7	0	29.5	67
26/12/2022 10:00	6.8	272	10	8.9	0	29.8	66
26/12/2022 10:10	7.3	269	9	9.2	0	29.5	67
26/12/2022 10:20	7.9	268	8	9.8	0	29.6	67
26/12/2022 10:30	7.4	267	8	9.3	0	30.3	65
26/12/2022 10:40	8.2	267	5	10.3	0	30.3	65
26/12/2022 10:50	7.9	268	7	10.2	0	30.5	65
26/12/2022 11:00	7.5	271	8	9.8	0	30.7	65
26/12/2022 11:10	7.5	273	10	9.4	0	30.8	65
26/12/2022 11:20	6.8	291	12	10.2	0	30.7	65
26/12/2022 11:30	5.9	297	11	8.6	0	31.1	65
26/12/2022 11:40	6.3	303	15	9.3	0	30.7	65
26/12/2022 11:50	7.7	287	10	11.2	0	30.5	66
26/12/2022 12:00	7.1	286	10	10.3	0	30.7	65
26/12/2022 12:10	6.9	292	11	10.4	0	30.7	65
26/12/2022 12:20	7.5	287	8	10.2	0	30.5	66
26/12/2022 12:30	8	288	7	10.2	0	30.3	66
26/12/2022 12:40	8	291	8	10.9	0	30.2	66
26/12/2022 12:50	8.1	290	8	10.3	0	30.1	66
26/12/2022 13:00	8.3	288	7	10.3	0	30.1	66
26/12/2022 13:10	8.4	284	6	10.9	0	30.2	66
26/12/2022 13:20	7.5	288	10	10.5	0	30.6	65
26/12/2022 13:30	7.7	302	13	11.3	0	30.5	65
26/12/2022 13:40	7.5	292	11	10.4	0	30.8	65
26/12/2022 13:50	7.5	291	9	10.9	0	30.8	65
26/12/2022 14:00	7.7	306	12	11.2	0	30.4	66
26/12/2022 14:10	7.6	294	12	10.8	0	30.7	65
26/12/2022 14:20	8.2	287	8	11.2	0	30.7	65
26/12/2022 14:30	8.1	286	8	11.4	0	30.8	65
26/12/2022 14:40	7.8	285	9	11.5	0	30.9	65
26/12/2022 14:50	7	294	11	10.3	0	30.6	65
26/12/2022 15:00	6.9	300	14	10.3	0	30.8	65
26/12/2022 15:10	6.7	306	14	9.7	0	30.5	65
26/12/2022 15:20	6.9	291	11	10.2	0	30.6	65
26/12/2022 15:30	6.7	298	13	9.6	0	30.6	65
26/12/2022 15:40	7.1	295	11	10.2	0	30.7	65
26/12/2022 15:50	7	300	12	10.3	0	30.5	65
26/12/2022 16:00	7	298	11	10.2	0	30.5	65
26/12/2022 16:10	7.4	311	10	10.1	0	29.9	66
26/12/2022 16:20	7.3	309	11	10.1	0	30.1	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/12/2022 16:30	7	302	12	10.4	0	29.9	67
26/12/2022 16:40	7.8	289	8	10.5	0	30	66
26/12/2022 16:50	7.9	287	8	10.1	0	29.9	66
26/12/2022 17:00	7.8	288	8	9.9	0	29.9	66
26/12/2022 17:10	8.1	292	6	10.2	0	29.4	67
26/12/2022 17:20	7.5	295	7	9.8	0	29.5	67
26/12/2022 17:30	7	288	8	9.7	0	29.9	67
26/12/2022 17:40	7.9	271	8	10	0	29.9	66
26/12/2022 17:50	7.9	275	7	9.5	0	29.5	68
26/12/2022 18:00	7.7	274	7	9.7	0	29.3	68
26/12/2022 18:10	7.8	268	7	9.3	0	29.2	68
26/12/2022 18:20	7.6	272	7	9.5	0	28.9	68
26/12/2022 18:30	7.4	271	7	10.1	0	28.8	68
26/12/2022 18:40	7.8	266	6	10.4	0	28.6	69
26/12/2022 18:50	8.1	263	6	10.8	0	28.2	69
26/12/2022 19:00	6.8	274	8	9.1	0	28.1	69
26/12/2022 19:10	7.5	277	6	9.6	0	27.9	69
26/12/2022 19:20	7.6	275	7	10	0	27.8	69
26/12/2022 19:30	7.3	277	6	9.1	0	27.8	68
26/12/2022 19:40	7.1	278	7	9	0	27.8	68
26/12/2022 19:50	6.4	281	7	8.6	0	27.8	68
26/12/2022 20:00	7.2	282	7	9.4	0	27.8	68
26/12/2022 20:10	6.6	274	8	9	0	27.7	68
26/12/2022 20:20	6	285	8	7.9	0	27.7	68
26/12/2022 20:30	6.2	276	7	7.9	0	27.7	67
26/12/2022 20:40	5.1	288	7	6.9	0	27.7	67
26/12/2022 20:50	5.6	288	5	7.4	0	27.7	67
26/12/2022 21:00	5.8	306	8	8.1	0	27.8	67
26/12/2022 21:10	5.6	311	8	8.1	0	27.9	67
26/12/2022 21:20	5.1	300	10	7.3	0	27.7	67
26/12/2022 21:30	5.9	304	9	8.1	0	27.6	67
26/12/2022 21:40	6	296	8	8.6	0	27.4	66
26/12/2022 21:50	6.9	287	6	9.6	0	27.3	66
26/12/2022 22:00	6.1	298	9	9	0	27.3	66
26/12/2022 22:10	5.6	289	9	8	0	27.3	66
26/12/2022 22:20	5.4	285	9	7.1	0	27.2	65
26/12/2022 22:30	6.3	282	7	8.4	0	27.2	65
26/12/2022 22:40	5.8	277	8	8.1	0	27.2	65
26/12/2022 22:50	6.1	283	8	8.3	0	27.2	65
26/12/2022 23:00	6.3	283	8	9	0	27.1	65
26/12/2022 23:10	5.8	285	8	8	0	27	64
26/12/2022 23:20	5.9	284	7	8	0	27	64
26/12/2022 23:30	6.1	280	7	7.9	0	26.9	64
26/12/2022 23:40	5.5	281	7	7.4	0	26.9	64
26/12/2022 23:50	4.4	281	8	6.5	0	26.9	63
27/12/2022 00:00	4.5	282	8	5.8	0	26.9	63
27/12/2022 00:10	4.6	284	8	6.2	0	26.9	63
27/12/2022 00:20	4.4	279	7	5.9	0	26.8	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/12/2022 00:30	4	288	9	5.8	0	26.8	63
27/12/2022 00:40	4.2	290	9	5.7	0	26.8	62
27/12/2022 00:50	4.4	286	6	5.8	0	26.7	62
27/12/2022 01:00	4.6	287	7	6.5	0	26.8	62
27/12/2022 01:10	4.6	287	7	6.2	0	26.7	62
27/12/2022 01:20	4.4	289	7	6.8	0	26.7	62
27/12/2022 01:30	4.6	285	7	6.5	0	26.6	62
27/12/2022 01:40	4.4	285	9	6.1	0	26.7	62
27/12/2022 01:50	4.5	287	6	5.9	0	26.7	62
27/12/2022 02:00	4.3	290	8	5.7	0	26.6	62
27/12/2022 02:10	4	283	7	5.3	0	26.6	62
27/12/2022 02:20	4.4	289	7	5.9	0	26.6	62
27/12/2022 02:30	3.9	290	7	5.3	0	26.5	62
27/12/2022 02:40	3.5	289	9	5.5	0	26.5	62
27/12/2022 02:50	3.6	289	8	4.8	0	26.4	62
27/12/2022 03:00	4.1	287	7	5.6	0	26.4	62
27/12/2022 03:10	3.6	290	8	4.9	0	26.5	62
27/12/2022 03:20	3.7	308	9	6.2	0	26.5	62
27/12/2022 03:30	4.5	307	8	6	0	26.5	62
27/12/2022 03:40	4.4	310	8	6.1	0	26.5	62
27/12/2022 03:50	4.4	313	7	6	0	26.5	62
27/12/2022 04:00	3.4	309	11	4.9	0	26.5	62
27/12/2022 04:10	3	306	14	4.6	0	26.5	62
27/12/2022 04:20	3.4	296	10	5	0	26.5	62
27/12/2022 04:30	3.5	310	11	5.2	0	26.5	62
27/12/2022 04:40	3.6	319	10	5.4	0	26.5	62
27/12/2022 04:50	3.7	322	10	5.3	0	26.4	62
27/12/2022 05:00	3.4	309	11	5.1	0	26.5	62
27/12/2022 05:10	3.2	304	13	4.9	0	26.5	63
27/12/2022 05:20	3.4	302	12	5.3	0	26.4	63
27/12/2022 05:30	3.7	307	10	5.7	0	26.4	63
27/12/2022 05:40	4	300	11	6.3	0	26.5	63
27/12/2022 05:50	3.3	295	10	5.4	0	26.5	63
27/12/2022 06:00	4.1	298	11	5.8	0	26.6	63
27/12/2022 06:10	4.6	313	9	7	0	26.5	63
27/12/2022 06:20	4.1	298	11	5.9	0	26.6	63
27/12/2022 06:30	4.5	269	8	5.9	0	26.7	63
27/12/2022 06:40	4.3	271	7	6	0	26.8	64
27/12/2022 06:50	4.6	265	6	6	0	27	64
27/12/2022 07:00	4.3	267	8	5.9	0	27.2	64
27/12/2022 07:10	3.8	264	8	5.3	0	27.3	64
27/12/2022 07:20	4.1	260	9	5.7	0	27.6	64
27/12/2022 07:30	3.7	258	11	4.9	0	27.9	64
27/12/2022 07:40	4.3	270	9	5.8	0	28.2	64
27/12/2022 07:50	4.4	263	11	6.1	0	28.5	64
27/12/2022 08:00	4.2	268	9	6.2	0	28.4	65
27/12/2022 08:10	4.3	260	10	5.9	0	28.4	65
27/12/2022 08:20	4.5	267	14	6.4	0	28.8	64



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/12/2022 08:30	3.7	264	13	5.4	0	28.9	65
27/12/2022 08:40	3.4	278	13	4.9	0	29.3	64
27/12/2022 08:50	3.2	275	12	4.5	0	29.4	64
27/12/2022 09:00	3.1	280	16	4.9	0	29.8	64
27/12/2022 09:10	3.1	293	17	4.9	0	29.8	64
27/12/2022 09:20	3.1	311	16	4.8	0	29.7	64
27/12/2022 09:30	3.5	333	17	5.4	0	30.1	64
27/12/2022 09:40	3.9	338	11	5.6	0	29.6	65
27/12/2022 09:50	4.3	331	11	5.8	0	29.8	64
27/12/2022 10:00	4.6	320	13	6.5	0	29.7	64
27/12/2022 10:10	4.8	337	10	6.9	0	29.7	65
27/12/2022 10:20	4.4	328	12	6	0	29.7	64
27/12/2022 10:30	4.2	323	18	6.7	0	30	64
27/12/2022 10:40	4.4	322	17	6.1	0	30.4	63
27/12/2022 10:50	4	322	16	5.8	0	30.6	63
27/12/2022 11:00	4.3	323	16	6	0	30.5	64
27/12/2022 11:10	4.2	323	13	6.2	0	30.4	64
27/12/2022 11:20	3.9	318	19	5.8	0	30.4	64
27/12/2022 11:30	4.4	317	13	6	0	30.5	64
27/12/2022 11:40	4.7	325	18	6.8	0	31	63
27/12/2022 11:50	4.3	313	15	6.5	0	31.2	63
27/12/2022 12:00	4.8	317	15	6.7	0	31	63
27/12/2022 12:10	5.1	316	14	7.4	0	30.9	63
27/12/2022 12:20	5.4	323	9	7.3	0	31.1	63
27/12/2022 12:30	4.6	312	15	6.5	0	31.2	63
27/12/2022 12:40	5.1	312	15	8	0	31	63
27/12/2022 12:50	5	330	13	6.7	0	31.3	63
27/12/2022 13:00	4.6	324	17	7.4	0	31.4	63
27/12/2022 13:10	4.5	320	17	6.9	0	31.6	62
27/12/2022 13:20	4.1	308	18	7.6	0	31.2	64
27/12/2022 13:30	4.3	319	16	7.8	0	30.9	64
27/12/2022 13:40	4.7	315	15	7.4	0	30.7	64
27/12/2022 13:50	4.6	311	21	7.6	0	31.4	63
27/12/2022 14:00	5.2	311	13	7.4	0	31.3	63
27/12/2022 14:10	5.9	314	11	8.4	0	31.3	63
27/12/2022 14:20	6.8	320	9	8.6	0	31.1	63
27/12/2022 14:30	6.6	316	12	8.9	0	31.2	63
27/12/2022 14:40	6.3	319	12	8.3	0	31.4	63
27/12/2022 14:50	6.6	320	9	9.1	0	30.7	65
27/12/2022 15:00	6	313	13	8.7	0	31	64
27/12/2022 15:10	5.7	310	14	8.9	0	31	65
27/12/2022 15:20	6	313	12	8.4	0	31.2	64
27/12/2022 15:30	6.6	318	11	8.9	0	30.8	65
27/12/2022 15:40	7.5	323	9	9.9	0	30.9	65
27/12/2022 15:50	7.7	326	9	10.3	0	30.9	65
27/12/2022 16:00	7.8	331	8	10.1	0	30.6	65
27/12/2022 16:10	7.7	327	8	9.8	0	30.4	65
27/12/2022 16:20	6.9	325	10	9.4	0	30.5	65





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/12/2022 16:30	7.5	327	8	9.9	0	30.2	65
27/12/2022 16:40	7	327	9	9.4	0	30.2	65
27/12/2022 16:50	8.7	327	6	10.8	0	30.2	65
27/12/2022 17:00	8.3	335	9	10.8	0	30.1	66
27/12/2022 17:10	8.8	335	9	10.8	0	29.6	67
27/12/2022 17:20	8.6	336	8	11.3	0	29.4	67
27/12/2022 17:30	8.9	336	8	11	0	29.3	67
27/12/2022 17:40	8.8	336	8	11.9	0	29.1	67
27/12/2022 17:50	8.1	337	11	11.1	0	29	67
27/12/2022 18:00	8.5	335	8	12.2	0	29	66
27/12/2022 18:10	8.5	334	9	11.3	0	28.7	67
27/12/2022 18:20	8.6	343	8	11.6	0	28.5	66
27/12/2022 18:30	8.6	337	8	11.3	0	28.4	66
27/12/2022 18:40	8.5	334	9	11.2	0	28.3	66
27/12/2022 18:50	7.9	328	6	10.3	0	28.1	65
27/12/2022 19:00	6.4	309	15	9.3	0	28.1	65
27/12/2022 19:10	4.1	227	24	6.2	0	28.2	65
27/12/2022 19:20	4.3	253	15	6	0	28.2	65
27/12/2022 19:30	3.5	288	13	4.7	0	28.4	65
27/12/2022 19:40	4.3	242	15	6.4	0	28.6	64
27/12/2022 19:50	4.1	277	8	5.4	0	28.9	64
27/12/2022 20:00	4.6	295	9	5.9	0	28.9	65
27/12/2022 20:10	4.6	291	10	6.4	0	28.8	65
27/12/2022 20:20	4.6	299	11	6.6	0	28.7	65
27/12/2022 20:30	5	286	10	6.7	0	28.7	66
27/12/2022 20:40	4.7	292	8	6.3	0	28.5	66
27/12/2022 20:50	4.6	298	11	6.5	0	28.4	66
27/12/2022 21:00	4.5	304	10	6.6	0	28.4	65
27/12/2022 21:10	5.1	287	7	6.4	0	28.5	65
27/12/2022 21:20	5.2	287	8	6.9	0	28.4	66
27/12/2022 21:30	4.3	291	10	5.9	0	28.4	66
27/12/2022 21:40	4.3	313	11	6.2	0	28.4	66
27/12/2022 21:50	4.7	308	10	6.4	0	28.2	66
27/12/2022 22:00	4.4	290	8	5.8	0	28.2	66
27/12/2022 22:10	5	291	6	6.2	0	28.2	66
27/12/2022 22:20	4.5	289	7	5.9	0	28.1	66
27/12/2022 22:30	5.3	309	8	7	0	28.1	66
27/12/2022 22:40	4.4	303	9	6.9	0	28.1	66
27/12/2022 22:50	4.6	312	11	6.8	0	28	67
27/12/2022 23:00	3.6	302	11	5.8	0	28	67
27/12/2022 23:10	5.2	311	8	6.7	0	27.9	67
27/12/2022 23:20	4.7	310	10	6.9	0	28	67
27/12/2022 23:30	4.8	308	8	6.7	0	27.9	67
27/12/2022 23:40	5.1	311	8	6.6	0	27.9	67
27/12/2022 23:50	4.8	316	9	6.6	0	27.8	67
28/12/2022 00:00	4.5	318	9	6.2	0	27.8	67
28/12/2022 00:10	4.9	314	8	6.6	0	27.8	67
28/12/2022 00:20	3.9	309	9	5.9	0	27.8	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/12/2022 00:30	3.9	292	12	5.4	0	27.7	67
28/12/2022 00:40	4	287	8	5.4	0	27.7	67
28/12/2022 00:50	4.5	288	8	6.2	0	27.6	67
28/12/2022 01:00	5	285	8	6.7	0	27.7	67
28/12/2022 01:10	5.8	292	7	7.5	0	27.6	67
28/12/2022 01:20	5.8	294	8	7.6	0	27.6	67
28/12/2022 01:30	4.7	301	10	7.1	0	27.6	67
28/12/2022 01:40	5.1	298	10	7	0	27.5	66
28/12/2022 01:50	4.8	307	10	7.4	0	27.5	66
28/12/2022 02:00	5.5	295	9	7.6	0	27.4	66
28/12/2022 02:10	5.9	287	6	8.3	0	27.3	66
28/12/2022 02:20	5.5	276	8	7.2	0	27.3	65
28/12/2022 02:30	4.7	282	7	6	0	27.2	65
28/12/2022 02:40	4.3	277	7	5.4	0	27.2	65
28/12/2022 02:50	4.6	272	8	6.2	0	27.2	66
28/12/2022 03:00	5.7	282	7	8.3	0	27.4	66
28/12/2022 03:10	5.6	282	6	7.8	0	27.5	66
28/12/2022 03:20	5.3	278	6	7	0	27.5	66
28/12/2022 03:30	4.6	280	7	6.1	0	27.4	66
28/12/2022 03:40	4.6	276	8	6.1	0	27.5	66
28/12/2022 03:50	5.1	270	7	6.9	0	27.4	66
28/12/2022 04:00	5.1	269	8	7.3	0	27.4	66
28/12/2022 04:10	5	271	8	6.6	0	27.5	66
28/12/2022 04:20	3.4	274	10	4.9	0	27.6	66
28/12/2022 04:30	3.8	267	8	4.9	0	27.6	66
28/12/2022 04:40	2.9	203	23	4.3	0	27.6	66
28/12/2022 04:50	1	94	48	1.9	0	27.5	66
28/12/2022 05:00	2.7	53	5	3.7	0	27.6	66
28/12/2022 05:10	2.8	40	7	3.8	0	27.5	66
28/12/2022 05:20	2.8	46	8	4	0	27.6	66
28/12/2022 05:30	3.5	51	8	5.1	0	27.6	66
28/12/2022 05:40	2.7	56	8	4.1	0	27.6	66
28/12/2022 05:50	2.3	39	8	3.3	0	27.6	66
28/12/2022 06:00	3.2	23	10	4.5	0	27.6	66
28/12/2022 06:10	3.9	17	8	5.3	0	27.6	66
28/12/2022 06:20	3.5	9	13	5.1	0.1	27.6	66
28/12/2022 06:30	3.9	7	10	5.3	0	27.7	66
28/12/2022 06:40	3.9	174	13	5.4	0	27.8	66
28/12/2022 06:50	4.7	336	9	6.3	0	28	66
28/12/2022 07:00	4.5	332	10	5.8	0	28.3	66
28/12/2022 07:10	3.8	329	11	5.5	0	28.2	66
28/12/2022 07:20	3	339	15	4.5	0	28.2	66
28/12/2022 07:30	2.9	172	14	4.4	0.1	28.3	66
28/12/2022 07:40	2.7	184	13	4	0	28.4	66
28/12/2022 07:50	2.5	346	16	3.3	0	28.5	66
28/12/2022 08:00	2	350	20	3.2	0	28.9	65
28/12/2022 08:10	1.9	327	15	2.7	0	29.1	65
28/12/2022 08:20	1.6	166	30	2.7	0	29.7	64



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/12/2022 08:30	1.7	319	28	3.2	0	30.1	63
28/12/2022 08:40	1.6	278	44	3.2	0	30.4	62
28/12/2022 08:50	1.8	317	20	2.9	0	30.4	62
28/12/2022 09:00	2.3	281	21	3.8	0	31	61
28/12/2022 09:10	2.8	287	17	4.4	0	31.2	59
28/12/2022 09:20	2.9	284	18	4.8	0	31.4	57
28/12/2022 09:30	2.5	275	26	5	0	31.7	55
28/12/2022 09:40	2.4	264	16	3.7	0	32.1	55
28/12/2022 09:50	3	275	20	5.4	0	32.3	56
28/12/2022 10:00	2.9	259	19	5.2	0	32	57
28/12/2022 10:10	2.7	292	21	4.2	0	32.2	58
28/12/2022 10:20	3	271	22	4.4	0	32.5	58
28/12/2022 10:30	2.6	255	20	4.7	0	32.5	58
28/12/2022 10:40	3.3	282	20	4.7	0	33.2	56
28/12/2022 10:50	3.9	291	14	5.5	0	32.9	57
28/12/2022 11:00	2.9	320	28	4.8	0	32.9	57
28/12/2022 11:10	2.8	304	22	4.6	0	33.3	56
28/12/2022 11:20	2.6	292	33	4.4	0	33.8	54
28/12/2022 11:30	2.8	318	25	4.4	0	34.6	52
28/12/2022 11:40	4.3	324	12	6	0	34.1	53
28/12/2022 11:50	4.2	325	14	5.3	0	33.7	54
28/12/2022 12:00	4	332	12	5.5	0	34	54
28/12/2022 12:10	4.5	327	13	6	0	34.2	54
28/12/2022 12:20	4.4	328	9	5.8	0	33.7	55
28/12/2022 12:30	4.4	327	10	5.6	0	33.9	56
28/12/2022 12:40	4.5	328	10	6	0	33.7	57
28/12/2022 12:50	5.1	326	10	6.4	0	33.8	56
28/12/2022 13:00	5.2	329	7	6.9	0	34.2	55
28/12/2022 13:10	5.5	329	9	7.5	0	34.6	53
28/12/2022 13:20	5.7	324	8	7.8	0	34	55
28/12/2022 13:30	5.7	319	7	7.1	0	33.8	53
28/12/2022 13:40	6.1	321	7	8	0	33.2	55
28/12/2022 13:50	6.4	325	7	7.8	0	32.5	62
28/12/2022 14:00	6.3	329	10	8.4	0	32.7	63
28/12/2022 14:10	6.6	334	8	8.8	0	32.5	62
28/12/2022 14:20	6	331	11	8.4	0	32.6	61
28/12/2022 14:30	6.3	341	9	8.5	0	32	62
28/12/2022 14:40	7.4	338	8	9.7	0	32.1	58
28/12/2022 14:50	7	328	10	9	0	32.1	59
28/12/2022 15:00	7	327	7	9	0	31.7	62
28/12/2022 15:10	5.9	328	12	8.5	0	31.6	62
28/12/2022 15:20	6.6	324	10	9.2	0	31.7	63
28/12/2022 15:30	6.9	322	10	9.1	0	31.7	63
28/12/2022 15:40	7.3	335	10	9.7	0	31.9	62
28/12/2022 15:50	7.2	329	10	9.4	0	31.9	63
28/12/2022 16:00	7.2	330	8	9.6	0	31.5	63
28/12/2022 16:10	6.7	328	11	9.3	0	31.5	64
28/12/2022 16:20	6.6	316	9	8.7	0	31.8	64



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/12/2022 16:30	6.9	322	9	8.8	0	31.2	66
28/12/2022 16:40	6.2	312	11	8.6	0	31.4	65
28/12/2022 16:50	6.3	310	12	8.7	0	31.4	63
28/12/2022 17:00	6.1	305	12	8.5	0	30.8	65
28/12/2022 17:10	5.8	297	10	8.2	0	30.7	66
28/12/2022 17:20	5.7	282	9	7.3	0	30.9	65
28/12/2022 17:30	6	278	7	7.9	0	31.3	59
28/12/2022 17:40	6.2	279	12	8.4	0	31.4	63
28/12/2022 17:50	7.1	270	8	8.9	0	30.8	64
28/12/2022 18:00	7	276	7	9	0	30.1	67
28/12/2022 18:10	6.7	277	6	8.5	0	30	66
28/12/2022 18:20	6.2	272	7	7.7	0	29.9	67
28/12/2022 18:30	6	274	8	7.4	0	29.8	68
28/12/2022 18:40	5.7	278	8	7.5	0	29.6	68
28/12/2022 18:50	5.3	280	8	6.8	0	29.5	67
28/12/2022 19:00	5	281	7	7	0	29.6	67
28/12/2022 19:10	4.5	299	10	6	0	29.6	67
28/12/2022 19:20	4.1	318	12	6.1	0	29.5	67
28/12/2022 19:30	2.1	57	45	4.1	0	29.4	67
28/12/2022 19:40	2.5	135	20	4.3	0	29.8	67
28/12/2022 19:50	2.9	142	13	4.6	0	29.9	65
28/12/2022 20:00	3.7	138	21	5.8	0	30	65
28/12/2022 20:10	4.1	127	19	7.3	0	29.9	64
28/12/2022 20:20	3.4	126	22	5.6	0	29.8	64
28/12/2022 20:30	3.2	120	18	5	0	29.7	63
28/12/2022 20:40	2.9	137	17	5	0	29.7	63
28/12/2022 20:50	2.5	123	19	4.5	0	29.8	63
28/12/2022 21:00	1.9	119	16	3.2	0	29.7	64
28/12/2022 21:10	2.2	138	14	3.5	0	29.6	64
28/12/2022 21:20	2.2	132	19	3.8	0	29.7	62
28/12/2022 21:30	1.6	144	20	3.2	0	29.9	59
28/12/2022 21:40	2	139	17	3	0	30	58
28/12/2022 21:50	2.4	116	8	3.2	0	30	59
28/12/2022 22:00	2.2	94	10	3.3	0	29.8	61
28/12/2022 22:10	3.1	83	5	3.8	0	30	60
28/12/2022 22:20	2.1	87	11	2.9	0	30	60
28/12/2022 22:30	1.3	90	18	2.1	0	30	60
28/12/2022 22:40	1.8	50	9	2.3	0	30	59
28/12/2022 22:50	0.7	133	33	1.4	0	30	58
28/12/2022 23:00	1.2	245	14	1.9	0	30	58
28/12/2022 23:10	1.1	287	6	1.4	0	29.9	57
28/12/2022 23:20	2.1	265	4	2.8	0	30	57
28/12/2022 23:30	2.2	274	7	3.1	0	30	58
28/12/2022 23:40	2.5	273	5	3.1	0	30	60
28/12/2022 23:50	2.7	274	6	3.4	0	30.1	60
29/12/2022 00:00	1.9	277	7	2.3	0	30.1	61
29/12/2022 00:10	2.2	272	5	2.6	0	30.1	62
29/12/2022 00:20	1.1	304	31	1.7	0	30.1	62



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/12/2022 00:30	1.5	158	24	2.4	0	30.3	61
29/12/2022 00:40	2.5	288	11	3.5	0	30.2	62
29/12/2022 00:50	2.4	290	12	3.1	0	30.1	64
29/12/2022 01:00	2.5	288	11	3.5	0	30	66
29/12/2022 01:10	2.8	285	11	3.8	0	29.8	67
29/12/2022 01:20	3.8	279	7	5	0	29.7	67
29/12/2022 01:30	5	265	6	6.7	0	29.6	67
29/12/2022 01:40	5.7	270	8	7.2	0	29.5	67
29/12/2022 01:50	5	276	7	6.8	0	29.4	67
29/12/2022 02:00	5.5	273	7	7	0	29.5	67
29/12/2022 02:10	5.4	249	13	8.7	0	29.1	66
29/12/2022 02:20	5.6	251	8	7.7	0	28.9	65
29/12/2022 02:30	4.6	257	9	5.7	0	28.8	65
29/12/2022 02:40	4.1	243	12	5.5	0	29.1	64
29/12/2022 02:50	4.5	240	11	6.2	0	29.3	63
29/12/2022 03:00	4.8	238	10	6.8	0	29.3	63
29/12/2022 03:10	3.5	236	14	5.1	0	29.3	64
29/12/2022 03:20	2.9	214	14	4.2	0	29.1	64
29/12/2022 03:30	3.6	244	13	5.3	0	29.1	63
29/12/2022 03:40	3	246	11	4.3	0	29.1	63
29/12/2022 03:50	3.3	249	11	4.2	0	28.9	64
29/12/2022 04:00	3.7	259	7	4.6	0	28.9	64
29/12/2022 04:10	3.3	264	7	4.2	0	28.8	64
29/12/2022 04:20	2.9	275	6	4	0	28.8	64
29/12/2022 04:30	3.2	278	6	4.2	0	28.9	64
29/12/2022 04:40	3.5	276	6	4.3	0	29	64
29/12/2022 04:50	4	274	7	5.4	0	28.8	66
29/12/2022 05:00	3.4	271	7	4.4	0	28.7	66
29/12/2022 05:10	3.4	273	7	4.3	0	28.8	65
29/12/2022 05:20	3.8	274	6	5.3	0	28.9	65
29/12/2022 05:30	4.2	277	6	5.4	0	29	66
29/12/2022 05:40	4.6	273	7	6.3	0	29	66
29/12/2022 05:50	4.5	276	7	5.6	0	29	67
29/12/2022 06:00	4.9	268	6	6.1	0	29	67
29/12/2022 06:10	4.9	267	6	6.3	0	29.1	68
29/12/2022 06:20	4.7	271	6	6.4	0	29.2	68
29/12/2022 06:30	4.8	274	7	6.4	0	29.2	68
29/12/2022 06:40	4.4	272	7	5.9	0	29.5	69
29/12/2022 06:50	5.2	276	6	7	0	29.2	68
29/12/2022 07:00	4.9	274	8	6.2	0	29	66
29/12/2022 07:10	5.2	269	5	6.3	0	28.9	64
29/12/2022 07:20	4.6	267	9	5.8	0	28.9	63
29/12/2022 07:30	5	264	7	6	0	29.1	63
29/12/2022 07:40	4	271	8	5.4	0	29.3	63
29/12/2022 07:50	3.8	280	7	4.9	0	29.5	63
29/12/2022 08:00	4.1	275	6	4.9	0	29.5	63
29/12/2022 08:10	3.6	273	7	4.5	0	29.7	63
29/12/2022 08:20	3.4	278	8	4.5	0	30	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/12/2022 08:30	3.2	268	8	4.1	0	29.9	64
29/12/2022 08:40	2.9	265	8	3.8	0	30.2	64
29/12/2022 08:50	2.8	267	10	3.7	0	30.5	64
29/12/2022 09:00	2.9	266	9	3.8	0	30.5	64
29/12/2022 09:10	2.2	231	19	3.2	0	30.7	63
29/12/2022 09:20	1.4	233	28	2.5	0	30.9	61
29/12/2022 09:30	1.9	211	32	3.4	0	32	53
29/12/2022 09:40	1.7	141	43	2.8	0	32.6	48
29/12/2022 09:50	1.9	105	24	3	0	33.1	47
29/12/2022 10:00	1.8	118	18	2.8	0	33.9	45
29/12/2022 10:10	1.9	140	14	2.7	0	34.3	44
29/12/2022 10:20	1.8	105	36	3.4	0	34.7	43
29/12/2022 10:30	2.5	92	22	3.9	0	34.7	41
29/12/2022 10:40	3.3	80	24	5.3	0	35	39
29/12/2022 10:50	3.6	83	15	5.8	0	34.7	37
29/12/2022 11:00	3.2	80	22	4.6	0	35.2	37
29/12/2022 11:10	3.8	71	11	5.5	0	35	36
29/12/2022 11:20	4.2	85	10	6.1	0	34.8	35
29/12/2022 11:30	4.3	85	12	6.5	0	35.2	33
29/12/2022 11:40	3.9	86	14	5.5	0	35.5	33
29/12/2022 11:50	3.6	85	16	5.2	0	35.6	32
29/12/2022 12:00	3.5	67	12	5	0	36.2	29
29/12/2022 12:10	4	69	17	6	0	37.3	27
29/12/2022 12:20	4.3	52	13	5.8	0	37.2	27
29/12/2022 12:30	3.3	52	13	5.3	0	37.1	26
29/12/2022 12:40	3.6	55	17	5.9	0	37.5	26
29/12/2022 12:50	2.7	68	27	4.4	0	37	26
29/12/2022 13:00	2.1	43	34	3.8	0	37.3	25
29/12/2022 13:10	2.8	67	28	4.8	0	38	23
29/12/2022 13:20	2.5	64	16	4	0	38	22
29/12/2022 13:30	2	82	44	4.2	0	38	22
29/12/2022 13:40	3	292	35	5	0	37.5	33
29/12/2022 13:50	2.5	301	36	4.5	0	37.7	29
29/12/2022 14:00	3.3	326	15	5.7	0	37.6	29
29/12/2022 14:10	3.8	327	11	5.5	0	37	31
29/12/2022 14:20	4.2	331	13	6.4	0	36.8	31
29/12/2022 14:30	4.4	326	10	6	0	36.5	33
29/12/2022 14:40	5	327	7	6.5	0	35.3	37
29/12/2022 14:50	4.9	327	8	6.2	0	35	37
29/12/2022 15:00	4.9	326	8	6.5	0	35.3	34
29/12/2022 15:10	4.9	338	9	6	0	35.4	35
29/12/2022 15:20	4.8	334	10	6.5	0	35.5	36
29/12/2022 15:30	4.9	330	9	6.3	0	35.1	36
29/12/2022 15:40	5.3	329	8	6.7	0	34.8	39
29/12/2022 15:50	6.2	329	8	7.7	0	34.2	39
29/12/2022 16:00	6.2	329	7	8.5	0	33.9	43
29/12/2022 16:10	5.5	329	10	7.2	0	33.7	47
29/12/2022 16:20	4.6	327	13	7.1	0	33.7	46



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/12/2022 16:30	6.4	326	7	8.2	0	33.7	44
29/12/2022 16:40	6.5	324	6	8.7	0	33.5	43
29/12/2022 16:50	6.8	325	6	8.4	0	33.2	44
29/12/2022 17:00	5.8	321	9	7.7	0	33.1	46
29/12/2022 17:10	5.9	321	7	7.7	0	32.8	48
29/12/2022 17:20	5.4	317	9	7.5	0	32.7	47
29/12/2022 17:30	5.5	304	9	7.8	0	32.7	50
29/12/2022 17:40	5	295	11	6.9	0	32.3	54
29/12/2022 17:50	5.8	282	8	7.6	0	31.5	62
29/12/2022 18:00	5.9	284	7	7.9	0	31.2	62
29/12/2022 18:10	5.3	284	8	7.2	0	31.2	61
29/12/2022 18:20	5.2	285	8	7.2	0	31.1	61
29/12/2022 18:30	5.3	290	8	6.9	0	31.1	61
29/12/2022 18:40	5.5	286	7	7.8	0	31.1	60
29/12/2022 18:50	5.9	286	8	7.9	0	31	59
29/12/2022 19:00	5.3	278	8	7.4	0	31.1	59
29/12/2022 19:10	6.4	270	7	8.4	0	30.9	63
29/12/2022 19:20	6.9	272	7	9.2	0	30.5	67
29/12/2022 19:30	7.1	264	8	9.4	0	30.2	68
29/12/2022 19:40	8	264	8	10.7	0	30.2	68
29/12/2022 19:50	7.2	266	7	9.6	0	30.4	65
29/12/2022 20:00	6.5	266	8	8.6	0	30.8	63
29/12/2022 20:10	6.3	269	7	8.8	0	31	62
29/12/2022 20:20	6.6	266	8	8.9	0	31	61
29/12/2022 20:30	7.4	263	6	10.1	0	31.1	60
29/12/2022 20:40	6.7	266	7	9.3	0	31	63
29/12/2022 20:50	7	262	7	9.2	0	31	65
29/12/2022 21:00	6.6	262	6	8.7	0	31	64
29/12/2022 21:10	6.9	262	6	9.5	0	31.1	64
29/12/2022 21:20	6.5	261	7	8.2	0	31.1	64
29/12/2022 21:30	5.9	261	7	8.4	0	31.1	64
29/12/2022 21:40	5.5	263	8	8.1	0	31.1	64
29/12/2022 21:50	5.8	264	6	8.1	0	31	65
29/12/2022 22:00	5.7	264	7	7.5	0	31	65
29/12/2022 22:10	5	263	7	6.7	0	31	66
29/12/2022 22:20	5.5	264	6	7	0	30.9	66
29/12/2022 22:30	5.6	261	6	7.3	0	30.9	66
29/12/2022 22:40	5.2	263	6	6.6	0	30.9	65
29/12/2022 22:50	4.7	269	7	6.3	0	30.9	64
29/12/2022 23:00	4.6	267	6	6.4	0	30.9	62
29/12/2022 23:10	4.2	267	7	5.7	0	30.9	62
29/12/2022 23:20	4.7	269	5	5.8	0	31	59
29/12/2022 23:30	4.6	267	6	6	0	31	58
29/12/2022 23:40	4.7	270	5	6.2	0	31	57
29/12/2022 23:50	4.8	269	4	6	0	31	58
30/12/2022 00:00	3.8	271	6	4.9	0	30.9	60
30/12/2022 00:10	4.3	276	6	6	0	30.8	65
30/12/2022 00:20	4.7	278	6	6.3	0	30.7	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/12/2022 00:30	5.3	281	6	7	0	30.7	64
30/12/2022 00:40	4.8	278	7	6.6	0	30.7	64
30/12/2022 00:50	5.1	280	6	6.8	0	30.6	64
30/12/2022 01:00	6.1	281	6	7.7	0	30.6	65
30/12/2022 01:10	6.4	279	6	8	0	30.5	64
30/12/2022 01:20	6.5	279	7	8.6	0	30.4	66
30/12/2022 01:30	6.7	280	7	9.1	0	30.3	65
30/12/2022 01:40	6.9	277	6	8.9	0	30.4	64
30/12/2022 01:50	7.1	274	6	9.3	0	30.2	66
30/12/2022 02:00	6.6	275	6	8.7	0	30.1	67
30/12/2022 02:10	6.7	269	5	8.7	0	30.1	68
30/12/2022 02:20	6.3	265	5	8.6	0	30	70
30/12/2022 02:30	6.7	261	6	8.4	0	30	68
30/12/2022 02:40	7.2	259	7	10.1	0	30.4	60
30/12/2022 02:50	6.5	257	7	8.9	0	30.5	57
30/12/2022 03:00	6.6	260	7	8.8	0	30.4	58
30/12/2022 03:10	6.5	259	6	8.1	0	30.4	58
30/12/2022 03:20	6.4	260	6	8.7	0	30.5	59
30/12/2022 03:30	6.2	261	7	8.2	0	30.5	62
30/12/2022 03:40	6.2	258	7	8.5	0	30.5	60
30/12/2022 03:50	6.2	258	7	8.2	0	30.6	58
30/12/2022 04:00	5.6	257	8	7.4	0	30.5	58
30/12/2022 04:10	5.5	258	6	7.2	0	30.5	58
30/12/2022 04:20	5.8	260	6	7.6	0	30.5	59
30/12/2022 04:30	5.7	261	6	7.8	0	30.5	59
30/12/2022 04:40	5.9	257	7	7.8	0	30.5	59
30/12/2022 04:50	5.9	258	7	7.7	0	30.5	60
30/12/2022 05:00	5.6	257	8	7.4	0	30.5	60
30/12/2022 05:10	5.6	258	6	7.1	0	30.4	60
30/12/2022 05:20	5.4	262	5	6.9	0	30.4	60
30/12/2022 05:30	5.6	260	7	7.3	0	30.5	60
30/12/2022 05:40	5	258	7	6.7	0	30.4	60
30/12/2022 05:50	5.1	261	6	6.4	0	30.4	60
30/12/2022 06:00	5.1	264	5	6.6	0	30.5	59
30/12/2022 06:10	5.4	265	5	6.8	0	30.4	61
30/12/2022 06:20	5.8	263	5	7.4	0	30.3	61
30/12/2022 06:30	5.3	265	4	6.5	0	30.3	62
30/12/2022 06:40	5.2	267	5	6.7	0	30.4	63
30/12/2022 06:50	5.1	266	6	6.9	0	30.5	64
30/12/2022 07:00	4.7	265	6	6	0	30.6	63
30/12/2022 07:10	4.8	267	6	6.4	0	30.7	62
30/12/2022 07:20	5.1	269	4	6.4	0	30.8	62
30/12/2022 07:30	5.6	269	5	6.9	0	30.8	62
30/12/2022 07:40	5.9	268	5	7.3	0	31.9	59
30/12/2022 07:50	5.7	264	7	7.5	0	32.8	55
30/12/2022 08:00	5.8	262	8	7.7	0	33.6	51
30/12/2022 08:10	4.8	253	13	6.1	0	34.1	49
30/12/2022 08:20	4.2	251	14	6.5	0	34.2	49





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/12/2022 08:30	4.1	243	15	6	0	34.4	46
30/12/2022 08:40	4.1	258	12	6	0	35.2	45
30/12/2022 08:50	4.1	253	16	5.8	0	35.2	46
30/12/2022 09:00	4.5	272	10	6.1	0	35	48
30/12/2022 09:10	3.8	271	14	5.4	0	35.8	45
30/12/2022 09:20	3.5	253	15	5.5	0	36.5	41
30/12/2022 09:30	2	203	31	4.3	0	36.8	38
30/12/2022 09:40	2.4	173	22	4.1	0	37.6	32
30/12/2022 09:50	2.7	175	31	5	0	38.3	27
30/12/2022 10:00	2	126	21	3.3	0	39.1	26
30/12/2022 10:10	2.5	130	16	4.3	0	39.8	24
30/12/2022 10:20	2.2	108	28	3.6	0	39.5	25
30/12/2022 10:30	3	91	27	4.6	0	40.5	24
30/12/2022 10:40	4	90	17	5.6	0	40.3	24
30/12/2022 10:50	4.1	78	13	6.1	0	40.3	23
30/12/2022 11:00	4.3	71	16	5.6	0	40.5	23
30/12/2022 11:10	5	61	10	6.7	0	40.4	23
30/12/2022 11:20	5.1	50	10	7.2	0	40.2	23
30/12/2022 11:30	4.9	58	11	7.1	0	40.1	23
30/12/2022 11:40	4.9	62	12	7.3	0	40.4	23
30/12/2022 11:50	5	58	14	6.9	0	40.6	23
30/12/2022 12:00	5.7	55	12	7.4	0	40.5	23
30/12/2022 12:10	5.4	50	12	8.2	0	40.6	23
30/12/2022 12:20	5.7	58	11	7.9	0	40.4	23
30/12/2022 12:30	5.9	60	9	7.6	0	40.4	24
30/12/2022 12:40	5.4	49	33	8.9	0	40.5	25
30/12/2022 12:50	3.9	346	28	6.4	0	40.4	29
30/12/2022 13:00	3.3	321	16	6.1	0	39.8	33
30/12/2022 13:10	3.7	327	11	5.4	0	39	35
30/12/2022 13:20	3.3	167	19	4.7	0	39.9	34
30/12/2022 13:30	3.7	351	24	5.6	0	39.2	35
30/12/2022 13:40	4.5	348	13	6.6	0	39.1	34
30/12/2022 13:50	4.3	344	14	6.3	0	38.7	38
30/12/2022 14:00	4.8	336	13	7.1	0	38.4	39
30/12/2022 14:10	4.7	329	15	7.1	0	37.4	43
30/12/2022 14:20	4.7	321	18	7.9	0	37.5	45
30/12/2022 14:30	4.9	306	15	7.6	0	37.2	45
30/12/2022 14:40	6.6	290	10	9.1	0	37.1	44
30/12/2022 14:50	5.8	312	13	7.8	0	37.3	40
30/12/2022 15:00	5.4	298	14	7.3	0	37.7	39
30/12/2022 15:10	5.3	287	16	7.7	0	36.9	47
30/12/2022 15:20	5.3	306	12	7.4	0	37.3	38
30/12/2022 15:30	6	304	12	8.4	0	37.6	34
30/12/2022 15:40	6.2	305	10	9.1	0	37.1	37
30/12/2022 15:50	6	305	12	8.5	0	36.8	38
30/12/2022 16:00	6.1	303	11	8.4	0	37	37
30/12/2022 16:10	5.9	303	13	8.5	0	36.9	38
30/12/2022 16:20	6.5	301	10	9.3	0	36.2	41



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/12/2022 16:30	7	291	8	9.8	0	35.9	45
30/12/2022 16:40	6.8	290	9	9.2	0	35.4	44
30/12/2022 16:50	6.9	278	11	9.2	0	35.4	49
30/12/2022 17:00	7.5	270	8	10.4	0	34.7	53
30/12/2022 17:10	6.9	271	8	9.1	0	34.8	52
30/12/2022 17:20	7.3	270	7	9.3	0	34.3	53
30/12/2022 17:30	6.4	269	7	9.2	0	34.1	54
30/12/2022 17:40	4.9	275	9	6.8	0	34.2	53
30/12/2022 17:50	5.7	272	11	8.4	0	34.2	54
30/12/2022 18:00	4.9	275	11	6.8	0	34.1	56
30/12/2022 18:10	5.3	304	9	7.6	0	35.2	42
30/12/2022 18:20	5	302	11	7.6	0	35	42
30/12/2022 18:30	4.8	290	9	7	0	34.2	47
30/12/2022 18:40	4.9	312	11	6.7	0	33.9	47
30/12/2022 18:50	5	294	13	6.9	0	33.2	51
30/12/2022 19:00	5.3	288	7	6.8	0	32.6	54
30/12/2022 19:10	5.8	286	7	7.6	0	32.3	55
30/12/2022 19:20	5	285	7	6.7	0	32.1	55
30/12/2022 19:30	5.1	283	8	6.9	0	32.2	54
30/12/2022 19:40	4.6	280	8	6.7	0	32.1	56
30/12/2022 19:50	4.6	275	7	7	0	32	57
30/12/2022 20:00	5.7	274	7	7.5	0	31.7	57
30/12/2022 20:10	5.9	275	7	8.1	0	31.5	57
30/12/2022 20:20	6.3	276	6	8.2	0	31.3	59
30/12/2022 20:30	5.8	280	8	8.5	0	30.8	63
30/12/2022 20:40	5.9	283	8	8.1	0	30.4	68
30/12/2022 20:50	6.5	287	8	8.4	0	30.1	70
30/12/2022 21:00	7.3	292	7	9.5	0	30	69
30/12/2022 21:10	6.9	289	8	10.3	0	30	70
30/12/2022 21:20	6.9	282	8	9.3	0	29.7	70
30/12/2022 21:30	7.9	280	6	11.2	0	29.6	70
30/12/2022 21:40	7.1	280	8	9.7	0	29.3	70
30/12/2022 21:50	7	284	8	10.2	0	29.1	70
30/12/2022 22:00	6.3	285	8	8.8	0	29.1	69
30/12/2022 22:10	6.2	289	9	8.7	0	28.9	68
30/12/2022 22:20	6.4	300	8	8.8	0	28.8	68
30/12/2022 22:30	6.4	296	7	8.7	0	28.8	68
30/12/2022 22:40	7.2	295	8	9.2	0	28.6	67
30/12/2022 22:50	6.5	297	7	8.8	0	28.6	67
30/12/2022 23:00	6.6	294	7	8.8	0	28.5	67
30/12/2022 23:10	7	290	7	9.3	0	28.6	67
30/12/2022 23:20	6.9	290	8	9.1	0	28.6	67
30/12/2022 23:30	7.2	289	6	10.1	0	28.5	67
30/12/2022 23:40	5.7	297	8	7.4	0	28.7	67
30/12/2022 23:50	5.9	298	7	7.7	0	28.7	68
31/12/2022 00:00	5.3	303	11	8.4	0	28.5	67
31/12/2022 00:10	6.5	312	7	8.7	0	28.3	67
31/12/2022 00:20	6.4	311	9	8.4	0	28.2	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
31/12/2022 00:30	5.9	312	8	8.8	0	28.2	67
31/12/2022 00:40	6.3	316	8	8.6	0	28.2	67
31/12/2022 00:50	7.4	315	6	10.1	0	28.2	67
31/12/2022 01:00	7.3	317	8	10.5	0	28.2	67
31/12/2022 01:10	6.8	312	8	9.2	0	28.2	67
31/12/2022 01:20	6.4	303	9	8.8	0	28.2	67
31/12/2022 01:30	7.2	293	7	9.1	0	28.5	67
31/12/2022 01:40	8.1	291	7	10.8	0	28.9	66
31/12/2022 01:50	8.1	291	7	10.8	0	29.1	65
31/12/2022 02:00	7.9	290	7	10.3	0	29	66
31/12/2022 02:10	7	290	8	9.2	0	29	66
31/12/2022 02:20	6.4	286	7	8.6	0	28.8	67
31/12/2022 02:30	6.6	288	8	8.7	0	28.6	67
31/12/2022 02:40	6.4	289	9	8.3	0	28.5	68
31/12/2022 02:50	5.7	288	9	8.2	0	28.5	68
31/12/2022 03:00	4.6	290	9	6.9	0	28.4	68
31/12/2022 03:10	3.9	285	10	5.4	0	28.3	68
31/12/2022 03:20	3.3	287	9	4.9	0	28.2	68
31/12/2022 03:30	4.2	292	7	5.7	0	28.3	68
31/12/2022 03:40	4.9	295	6	6.2	0	28.5	67
31/12/2022 03:50	5	295	8	6.5	0	28.7	67
31/12/2022 04:00	4.4	299	8	5.9	0	28.6	67
31/12/2022 04:10	4.4	301	7	5.6	0	28.6	67
31/12/2022 04:20	4.3	299	7	5.6	0	28.7	67
31/12/2022 04:30	4.5	299	7	5.7	0	28.7	67
31/12/2022 04:40	4.2	301	7	6	0	28.6	67
31/12/2022 04:50	3.4	299	6	4.5	0	28.6	68
31/12/2022 05:00	2.4	315	12	3.5	0	28.4	68
31/12/2022 05:10	2.5	304	9	3.5	0	28.4	68
31/12/2022 05:20	1	280	21	1.8	0	28.2	68
31/12/2022 05:30	1.5	292	28	2.3	0	28.1	69
31/12/2022 05:40	1	201	21	1.8	0	28.1	68
31/12/2022 05:50	0.9	220	13	1.2	0	27.9	69
31/12/2022 06:00	0.8	191	22	1.2	0	27.9	69
31/12/2022 06:10	0.8	140	28	1.4	0	28.1	68
31/12/2022 06:20	1.6	146	23	2.5	0	28.4	68
31/12/2022 06:30	1.6	152	23	2.5	0	28.8	68
31/12/2022 06:40	2.5	143	20	4.4	0	28.9	68
31/12/2022 06:50	2.8	131	16	4.6	0	29	68
31/12/2022 07:00	3.2	141	16	5.3	0	29.1	68
31/12/2022 07:10	3.1	138	16	5.5	0	29.2	68
31/12/2022 07:20	3.4	133	15	5.9	0	29.3	67
31/12/2022 07:30	3.5	118	16	5.5	0	29.9	67
31/12/2022 07:40	3.7	116	11	5.7	0	29.8	67
31/12/2022 07:50	3.8	116	13	6.1	0	30	67
31/12/2022 08:00	4.7	113	10	6.5	0	29.9	67
31/12/2022 08:10	4.6	111	9	6.1	0	30.2	67
31/12/2022 08:20	4.5	110	10	6.1	0	30.5	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
31/12/2022 08:30	4.3	108	13	5.9	0	30.8	65
31/12/2022 08:40	4.8	116	9	6.3	0	30.8	65
31/12/2022 08:50	4.6	113	11	6.6	0	31.1	64
31/12/2022 09:00	4.5	110	14	6.4	0	31.5	64
31/12/2022 09:10	4.3	90	11	6.1	0	31.7	64
31/12/2022 09:20	5.4	87	7	7.2	0	31.9	63
31/12/2022 09:30	5.1	83	9	7.1	0	31.9	63
31/12/2022 09:40	5.7	75	8	8.2	0	31.8	64
31/12/2022 09:50	7.2	71	6	9.4	0	31.6	65
31/12/2022 10:00	8	72	7	9.9	0	31.8	64
31/12/2022 10:10	8.4	76	6	10.8	0	31.7	65
31/12/2022 10:20	8.3	80	6	11.1	0	31.3	67
31/12/2022 10:30	8.1	80	8	10.9	0	31.4	67
31/12/2022 10:40	8.7	74	8	11.3	0	31.1	67
31/12/2022 10:50	8.3	71	9	11.5	0	31.4	67
31/12/2022 11:00	8.4	73	9	11.8	0	31	68
31/12/2022 11:10	8.2	81	7	11.6	0	31.1	67
31/12/2022 11:20	7.8	78	9	11.2	0	31.5	66
31/12/2022 11:30	7.6	76	10	10.4	0	31.4	66
31/12/2022 11:40	7.9	70	10	11.1	0	31.5	66
31/12/2022 11:50	8.8	63	8	11.7	0	31.2	66
31/12/2022 12:00	8.9	62	7	11.6	0	31.3	66
31/12/2022 12:10	8.2	61	8	10.6	0	31.4	66
31/12/2022 12:20	7.8	61	9	10.3	0	31.4	65
31/12/2022 12:30	7.8	59	7	10.5	0	31.5	65
31/12/2022 12:40	7	57	9	9.3	0	31.5	65
31/12/2022 12:50	6.9	61	9	8.8	0	31.8	64
31/12/2022 13:00	6.8	61	10	9.7	0	31.8	64
31/12/2022 13:10	6.7	66	10	9.6	0	31.9	64
31/12/2022 13:20	6.8	57	10	9.4	0	32.2	63
31/12/2022 13:30	7	59	10	9.1	0	32.5	61
31/12/2022 13:40	7	58	9	9.3	0	32.6	60
31/12/2022 13:50	7.5	57	8	10.5	0	32.8	58
31/12/2022 14:00	7.4	56	8	9.9	0	33.5	55
31/12/2022 14:10	7.3	63	7	10.1	0	33.6	58
31/12/2022 14:20	7.7	61	7	10.2	0	33.3	58
31/12/2022 14:30	7.4	64	7	9.7	0	33.2	58
31/12/2022 14:40	7.2	66	8	9.1	0	33	60
31/12/2022 14:50	7.1	43	10	9.9	0	34.4	50
31/12/2022 15:00	6.7	29	12	9.5	0	35	48
31/12/2022 15:10	6.9	9	7	8.8	0	33.9	56
31/12/2022 15:20	6.3	16	9	8.2	0	33.7	56
31/12/2022 15:30	6.3	13	9	8.7	0	33.4	54
31/12/2022 15:40	6	172	16	8.4	0	33.4	54
31/12/2022 15:50	5.9	344	16	8.8	0	31.6	67
31/12/2022 16:00	5.8	342	12	7.8	0	31.9	65
31/12/2022 16:10	6.5	349	14	9.6	0	31.3	66
31/12/2022 16:20	6.2	336	11	8.9	0	31.2	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
31/12/2022 16:30	5	344	12	7.7	0	31.5	66
31/12/2022 16:40	5.9	341	13	8.3	0	31.4	66
31/12/2022 16:50	6.3	324	11	9.7	0	31	67
31/12/2022 17:00	6.9	317	10	9.4	0	30.4	68
31/12/2022 17:10	6.9	320	10	10.2	0	30.2	68
31/12/2022 17:20	6	318	12	8.7	0	30.4	67
31/12/2022 17:30	6.3	320	12	9	0	30.7	65
31/12/2022 17:40	5.5	325	13	7.9	0	31	65
31/12/2022 17:50	6.4	326	9	9.3	0	30.9	64
31/12/2022 18:00	6.2	318	8	9.2	0	30.9	65
31/12/2022 18:10	6.4	325	10	9.2	0	30.5	66
31/12/2022 18:20	5.3	315	13	7.8	0	30.4	67
31/12/2022 18:30	5	308	10	7.6	0	30	68
31/12/2022 18:40	5.2	312	12	8	0	29.8	69
31/12/2022 18:50	5.9	313	10	8	0	29.6	69
31/12/2022 19:00	4.4	306	11	6.9	0	29.5	69
31/12/2022 19:10	4.2	314	10	6.3	0	29.6	67
31/12/2022 19:20	4.2	311	10	6.1	0	29.8	66
31/12/2022 19:30	4	308	13	5.7	0	29.9	67
31/12/2022 19:40	4.4	289	12	6.4	0	29.9	66
31/12/2022 19:50	6.5	287	9	8.7	0	29.9	65
31/12/2022 20:00	5.9	279	10	8.3	0	29.6	69
31/12/2022 20:10	5.5	283	9	7.4	0	29.5	70
31/12/2022 20:20	5.2	293	9	7.9	0	29.6	68
31/12/2022 20:30	3.2	274	9	4.6	0	29.8	68
31/12/2022 20:40	3.2	284	15	4.9	0	29.7	68
31/12/2022 20:50	3.1	307	14	4.6	0	30	68
31/12/2022 21:00	3.4	330	11	5	0	29.8	69
31/12/2022 21:10	3.6	326	13	5.7	0	29.8	68
31/12/2022 21:20	3.8	326	13	6.3	0	29.9	68
31/12/2022 21:30	2.9	313	15	5.3	0	29.8	69
31/12/2022 21:40	2.7	293	16	4	0	29.7	69
31/12/2022 21:50	3.6	303	13	5.2	0	29.8	69
31/12/2022 22:00	3.4	324	13	4.8	0	29.9	69
31/12/2022 22:10	4.1	306	14	7.8	0	29.9	69
31/12/2022 22:20	4.6	301	11	7.3	0	30.4	65
31/12/2022 22:30	4.5	283	9	6.8	0	30.5	65
31/12/2022 22:40	4.9	286	10	7.1	0	30.5	63
31/12/2022 22:50	6.1	290	7	8.5	0	30.5	63
31/12/2022 23:00	6.8	289	7	9.7	0	30.3	64
31/12/2022 23:10	6.6	292	7	8.9	0	30	66
31/12/2022 23:20	6.1	290	8	8.1	0	29.8	67
31/12/2022 23:30	5.3	287	8	7.2	0	29.6	68
31/12/2022 23:40	4	285	9	6.3	0	29.5	69
31/12/2022 23:50	4.4	289	8	6.2	0	29.4	69
01/01/2023 00:00	4.2	286	8	6.1	0	29.3	69
01/01/2023 00:10	3.9	276	6	5.5	0	29.3	69
01/01/2023 00:20	3.7	273	6	4.8	0	29.3	69



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/01/2023 00:30	3.2	268	5	4.1	0	29.2	70
01/01/2023 00:40	3.2	261	6	3.8	0	29.1	70
01/01/2023 00:50	3.7	261	9	5.7	0	28.9	70
01/01/2023 01:00	4.7	243	10	7.4	0	29.9	66
01/01/2023 01:10	4.1	250	10	5.9	0	29.9	66
01/01/2023 01:20	4.5	247	11	6.3	0	29.7	66
01/01/2023 01:30	4.6	226	12	7	0	30.4	64
01/01/2023 01:40	5.4	229	9	7.7	0	30.7	63
01/01/2023 01:50	5	220	10	7.6	0	30.4	64
01/01/2023 02:00	5.3	216	11	7.9	0	30	65
01/01/2023 02:10	4.9	220	9	7.3	0	29.9	65
01/01/2023 02:20	5.4	230	8	7.4	0	29.9	65
01/01/2023 02:30	6.1	234	6	8.2	0	29.8	64
01/01/2023 02:40	5.3	232	7	7	0	29.8	63
01/01/2023 02:50	4.4	219	10	6.7	0	29.7	63
01/01/2023 03:00	4.8	222	10	6.8	0	30.1	59
01/01/2023 03:10	4.6	225	11	6.7	0	30.4	56
01/01/2023 03:20	5.1	224	12	7.3	0	30.9	52
01/01/2023 03:30	5.1	224	10	8.1	0	31.5	47
01/01/2023 03:40	6	238	8	7.8	0	31.7	42
01/01/2023 03:50	5.7	237	9	7.7	0	31.5	41
01/01/2023 04:00	5.1	239	9	6.8	0	31.4	38
01/01/2023 04:10	5.2	238	9	7.2	0	31.3	36
01/01/2023 04:20	5.4	240	8	7.6	0	31.6	33
01/01/2023 04:30	5.2	254	7	6.4	0	29.9	37
01/01/2023 04:40	5.4	255	6	6.4	0	29.7	37
01/01/2023 04:50	5.5	251	6	6.9	0	29.6	37
01/01/2023 05:00	5.4	253	5	6.9	0	29.5	37
01/01/2023 05:10	5.2	251	6	7.3	0	29.4	37
01/01/2023 05:20	5.1	251	8	6.8	0	29.5	36
01/01/2023 05:30	4.9	250	8	6.6	0	29.5	34
01/01/2023 05:40	5.3	242	9	7.4	0	30.7	30
01/01/2023 05:50	5.6	236	9	8.3	0	31.4	29
01/01/2023 06:00	5.7	234	9	8	0	31.4	30
01/01/2023 06:10	5.9	233	9	7.9	0	31.3	31
01/01/2023 06:20	5.7	233	8	7.8	0	31.1	32
01/01/2023 06:30	6.2	232	8	8.3	0	31.3	33
01/01/2023 06:40	5.9	234	8	8.6	0	31.2	32
01/01/2023 06:50	5.8	233	8	7.8	0	31.2	32
01/01/2023 07:00	5.2	226	10	7.9	0	31.7	34
01/01/2023 07:10	5.3	223	11	8	0	32.1	34
01/01/2023 07:20	6.1	218	10	9.2	0	32.1	33
01/01/2023 07:30	6.1	223	9	8.5	0	32.3	33
01/01/2023 07:40	5.9	226	9	8.7	0	32.7	32
01/01/2023 07:50	5.9	219	11	9.2	0	33.4	31
01/01/2023 08:00	5.7	217	11	8.3	0	33.8	28
01/01/2023 08:10	6.4	213	8	9.6	0	34.6	26
01/01/2023 08:20	6	217	10	8.8	0	35.6	25



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/01/2023 08:30	6.3	215	10	9.7	0	36.3	23
01/01/2023 08:40	6.3	212	10	9.1	0	36.8	22
01/01/2023 08:50	7.4	207	9	10.1	0	37.4	19
01/01/2023 09:00	7.2	206	11	10.5	0	38	19
01/01/2023 09:10	6.4	203	13	10	0	38.6	19
01/01/2023 09:20	6.7	210	11	9.9	0	38.9	18
01/01/2023 09:30	6.8	209	8	9.4	0	39.2	18
01/01/2023 09:40	6.2	209	12	9.4	0	39.8	19
01/01/2023 09:50	6.6	218	14	9.4	0	39.8	19
01/01/2023 10:00	6.3	227	9	9.1	0	39.6	20
01/01/2023 10:10	7.1	231	12	10.6	0	39.7	18
01/01/2023 10:20	6.3	228	11	9.4	0	39.9	18
01/01/2023 10:30	6.8	232	14	9.1	0	40.3	17
01/01/2023 10:40	6.8	230	10	10.7	0	40.7	16
01/01/2023 10:50	7.1	237	13	10	0	41	16
01/01/2023 11:00	7	248	11	9.8	0	41.4	15
01/01/2023 11:10	6.9	238	13	10.3	0	41.1	15
01/01/2023 11:20	6.8	245	12	9.8	0	41.7	16
01/01/2023 11:30	7.7	280	7	10.6	0	39.7	29
01/01/2023 11:40	9	279	6	12.1	0	36.9	42
01/01/2023 11:50	9.2	278	6	11	0	35.2	49
01/01/2023 12:00	8.6	281	8	11.2	0	35.1	51
01/01/2023 12:10	9.5	275	6	12.1	0	34.9	51
01/01/2023 12:20	9.3	278	7	12.4	0	34.8	51
01/01/2023 12:30	8.9	273	8	12	0	35	51
01/01/2023 12:40	8.6	269	8	11.7	0	35.2	51
01/01/2023 12:50	9.5	268	9	12.8	0	34.9	52
01/01/2023 13:00	9.6	269	8	13.1	0	34.6	55
01/01/2023 13:10	9.4	268	8	12.6	0	34.4	56
01/01/2023 13:20	10.6	273	8	14.2	0	34	56
01/01/2023 13:30	11.3	269	8	14.7	0	33.8	55
01/01/2023 13:40	11.8	272	7	15.2	0	33.2	58
01/01/2023 13:50	11.8	274	7	15	0	33	58
01/01/2023 14:00	10.4	273	8	14.1	0	33.3	59
01/01/2023 14:10	10.7	276	8	14.4	0	33.3	59
01/01/2023 14:20	11.1	272	8	14.7	0	33.1	59
01/01/2023 14:30	11.7	266	7	16	0	32.8	60
01/01/2023 14:40	12.2	268	7	16.2	0	32.5	60
01/01/2023 14:50	11.8	269	7	16	0	32.3	61
01/01/2023 15:00	13	273	8	16.9	0	32.1	62
01/01/2023 15:10	12.2	276	7	16	0	32.1	62
01/01/2023 15:20	12.1	275	7	15.7	0	32.2	61
01/01/2023 15:30	12.4	271	7	16.8	0.1	32.4	58
01/01/2023 15:40	12.8	274	7	17.6	0	32.4	55
01/01/2023 15:50	11.8	275	8	15.4	0	32.8	53
01/01/2023 16:00	10.6	274	8	16.1	0	33.3	52
01/01/2023 16:10	11.8	274	8	15.2	0	33	52
01/01/2023 16:20	11.9	271	8	16.6	0	33	51



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/01/2023 16:30	12.2	273	7	16.2	0	32.7	51
01/01/2023 16:40	12.5	273	7	16.6	0	32.3	54
01/01/2023 16:50	13.2	275	6	17	0	31.9	57
01/01/2023 17:00	12.5	273	7	17	0	31.5	59
01/01/2023 17:10	11.9	272	7	16.4	0	31.4	60
01/01/2023 17:20	12.3	270	6	16.7	0	31.4	60
01/01/2023 17:30	10.9	271	7	15.8	0	31.5	61
01/01/2023 17:40	10.8	266	7	14.5	0	31.3	62
01/01/2023 17:50	10.8	265	7	15.3	0	31.1	63
01/01/2023 18:00	10.9	265	7	14.8	0	30.8	65
01/01/2023 18:10	9.7	269	7	14	0	30.7	66
01/01/2023 18:20	11.5	267	7	16.1	0	30.5	66
01/01/2023 18:30	11.7	266	7	15.8	0	30.2	67
01/01/2023 18:40	11.2	268	6	15.3	0	30.2	66
01/01/2023 18:50	11.1	268	7	13.9	0	30.2	66
01/01/2023 19:00	9.8	269	7	13.6	0	30.1	65
01/01/2023 19:10	10.6	268	6	14.7	0	30.1	64
01/01/2023 19:20	10.9	266	7	14.8	0	30.1	64
01/01/2023 19:30	9.8	262	8	14.2	0	30	64
01/01/2023 19:40	10.4	263	6	15.9	0	29.9	65
01/01/2023 19:50	9.5	259	7	13.7	0	29.9	65
01/01/2023 20:00	10.2	261	6	13.1	0	29.7	68
01/01/2023 20:10	9.7	261	7	13	0	29.6	69
01/01/2023 20:20	9.5	260	7	13.3	0	29.6	69
01/01/2023 20:30	11.2	263	6	14.6	0	29.6	68
01/01/2023 20:40	10.6	262	7	14.3	0	29.5	69
01/01/2023 20:50	10.8	263	6	15.1	0	29.4	69
01/01/2023 21:00	10.9	261	7	15.3	0	29.3	69
01/01/2023 21:10	11.1	262	5	14.9	0	29.2	69
01/01/2023 21:20	11	263	6	14.7	0	29.2	70
01/01/2023 21:30	10.7	264	7	14.7	0	29.1	70
01/01/2023 21:40	10.2	263	7	13.9	0	29	70
01/01/2023 21:50	11.4	262	7	14.5	0	28.9	71
01/01/2023 22:00	10.5	263	7	14.3	0	28.9	71
01/01/2023 22:10	11.1	264	6	14.8	0	28.8	70
01/01/2023 22:20	9.9	262	7	13.7	0	28.7	70
01/01/2023 22:30	11	265	6	14.5	0	28.7	70
01/01/2023 22:40	10.7	262	7	14.7	0	28.7	69
01/01/2023 22:50	11.2	264	7	15.2	0	28.8	69
01/01/2023 23:00	10.8	260	8	16.1	0	28.8	68
01/01/2023 23:10	10.8	259	7	14.4	0	28.7	68
01/01/2023 23:20	10.8	260	6	15.6	0	28.6	69
01/01/2023 23:30	11.7	260	6	15.6	0	28.4	70
01/01/2023 23:40	10.6	259	6	13.5	0	28.3	71
01/01/2023 23:50	10.2	258	8	14	0	28.2	71
01/02/2023 00:00	10	256	8	13.9	0	28.1	70
01/02/2023 00:10	10.6	259	6	14.3	0	28.1	70
01/02/2023 00:20	10.9	259	6	14.6	0	28	69





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/02/2023 00:30	10.3	260	5	13.6	0	28	69
01/02/2023 00:40	10	256	7	14	0	28	68
01/02/2023 00:50	10.2	259	6	13.1	0	28.1	68
01/02/2023 01:00	9.3	260	8	12	0	28	69
01/02/2023 01:10	10.2	259	6	13.2	0	28	69
01/02/2023 01:20	9.7	260	7	13.1	0	27.9	68
01/02/2023 01:30	11	258	7	14.4	0	27.9	67
01/02/2023 01:40	10.1	258	7	13.6	0	27.9	67
01/02/2023 01:50	9.5	255	8	13.3	0	27.8	67
01/02/2023 02:00	8.8	254	7	12.3	0	27.8	67
01/02/2023 02:10	8.6	253	7	12.7	0	27.5	67
01/02/2023 02:20	9.1	250	8	12.9	0	27.6	66
01/02/2023 02:30	9	253	9	13.1	0	27.6	66
01/02/2023 02:40	8.7	255	7	12.7	0	27.4	66
01/02/2023 02:50	8.6	254	7	12.5	0	27.3	66
01/02/2023 03:00	8.8	256	7	12.8	0	27.1	66
01/02/2023 03:10	9.2	261	6	12.5	0	27	66
01/02/2023 03:20	10	260	7	14.2	0	27	66
01/02/2023 03:30	9.2	258	8	14.2	0	26.9	65
01/02/2023 03:40	9.2	257	8	12.5	0	26.9	65
01/02/2023 03:50	9.7	261	6	13.5	0	26.8	65
01/02/2023 04:00	9.3	264	8	12.6	0	26.7	65
01/02/2023 04:10	8.7	260	6	12.5	0	26.6	64
01/02/2023 04:20	8.4	261	7	11.8	0	26.5	64
01/02/2023 04:30	9.1	262	7	12.8	0	26.5	64
01/02/2023 04:40	9.4	261	7	12.4	0	26.5	64
01/02/2023 04:50	9.4	262	7	12.8	0	26.4	63
01/02/2023 05:00	9.3	262	7	13.5	0	26.3	63
01/02/2023 05:10	9.7	260	6	12.9	0	26.2	64
01/02/2023 05:20	8.6	257	7	12.5	0	26.2	64
01/02/2023 05:30	9.3	258	7	12.3	0	26.1	64
01/02/2023 05:40	9.1	259	8	12.5	0	26	65
01/02/2023 05:50	9.1	261	6	13.2	0	25.9	65
01/02/2023 06:00	8.6	259	7	11.9	0	25.9	65
01/02/2023 06:10	8.8	259	6	12	0	25.8	65
01/02/2023 06:20	9.5	261	8	12.2	0	25.8	65
01/02/2023 06:30	9.9	260	8	13.7	0	25.7	65
01/02/2023 06:40	9.8	258	7	13	0	25.7	65
01/02/2023 06:50	9.7	260	6	12.9	0	25.7	65
01/02/2023 07:00	9.3	261	7	12.5	0	25.7	65
01/02/2023 07:10	10.6	258	6	13.7	0	25.9	64
01/02/2023 07:20	9.7	256	8	13.2	0	26	63
01/02/2023 07:30	9	256	8	11.8	0	25.9	63
01/02/2023 07:40	8.8	259	6	11.7	0	26	63
01/02/2023 07:50	8.4	254	7	11.8	0	26.2	62
01/02/2023 08:00	8.5	261	7	11	0	26.5	61
01/02/2023 08:10	9.3	264	6	12.5	0	26.4	61
01/02/2023 08:20	9.5	265	6	13.3	0	26.5	61



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/02/2023 08:30	9.1	264	7	11.4	0	26.6	61
01/02/2023 08:40	8.6	263	8	10.8	0	27.3	60
01/02/2023 08:50	8.8	262	8	12.2	0	27.5	59
01/02/2023 09:00	8.2	262	8	10.6	0	27.6	59
01/02/2023 09:10	7.7	261	7	10.5	0	27.8	58
01/02/2023 09:20	8.1	265	8	10.7	0	28.6	57
01/02/2023 09:30	8.5	260	8	10.9	0	28.8	56
01/02/2023 09:40	8.4	266	6	10.3	0	29.3	54
01/02/2023 09:50	8.9	264	8	11.6	0	29.7	53
01/02/2023 10:00	8.2	273	9	10.7	0	29.7	55
01/02/2023 10:10	9.1	271	8	11.9	0	29.5	57
01/02/2023 10:20	9.5	272	6	12.1	0	29.2	60
01/02/2023 10:30	9.7	274	8	12.6	0	29.1	61
01/02/2023 10:40	9.7	274	7	12.8	0	29.6	60
01/02/2023 10:50	9.3	275	9	12.1	0	29.5	60
01/02/2023 11:00	9.4	275	7	11.9	0	29.1	62
01/02/2023 11:10	9.6	274	9	12.6	0	29.6	62
01/02/2023 11:20	10.4	276	9	13.2	0	29.9	61
01/02/2023 11:30	10.4	270	8	13.2	0	29.8	62
01/02/2023 11:40	10.4	273	8	13.8	0	30.1	61
01/02/2023 11:50	9.7	272	7	13.3	0	30.2	62
01/02/2023 12:00	10.2	277	8	13.7	0	30.5	62
01/02/2023 12:10	10.1	274	7	13.4	0	30.4	63
01/02/2023 12:20	10.2	279	6	13.8	0	30.3	63
01/02/2023 12:30	10.1	277	9	14.1	0	30.6	62
01/02/2023 12:40	11	278	7	13.7	0	30.4	63
01/02/2023 12:50	10.6	274	8	13.7	0	30.7	62
01/02/2023 13:00	11.8	278	7	14.6	0	30.2	63
01/02/2023 13:10	11.1	274	6	14.5	0	30.7	63
01/02/2023 13:20	11.7	272	6	15	0	30.5	63
01/02/2023 13:30	11.3	274	8	14.4	0	30.7	63
01/02/2023 13:40	11.1	275	7	14.4	0	31	62
01/02/2023 13:50	11.6	274	6	14.5	0	30.7	63
01/02/2023 14:00	11.7	275	6	15.1	0	30.6	64
01/02/2023 14:10	11.6	277	7	15.5	0	30.7	64
01/02/2023 14:20	11.9	277	6	14.9	0	30.4	65
01/02/2023 14:30	12	277	6	14.7	0	30.1	67
01/02/2023 14:40	11.5	275	7	15.7	0	30.2	67
01/02/2023 14:50	11.4	272	7	15.4	0	30.5	65
01/02/2023 15:00	11.5	271	9	14.9	0	30.7	65
01/02/2023 15:10	11.8	275	7	14.6	0	30.5	66
01/02/2023 15:20	11.5	275	7	14.7	0	30.5	66
01/02/2023 15:30	11.1	277	8	14.4	0	30.4	66
01/02/2023 15:40	11.3	275	7	15.1	0	30.3	66
01/02/2023 15:50	11.3	275	8	15.1	0	30.4	66
01/02/2023 16:00	11.8	274	8	15.8	0	30.1	67
01/02/2023 16:10	11.1	274	8	14.2	0	30	67
01/02/2023 16:20	10.7	272	8	14.5	0	30.1	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/02/2023 16:30	11.2	271	8	14.3	0	30.1	67
01/02/2023 16:40	10.7	272	9	13.9	0	30.2	67
01/02/2023 16:50	11.4	268	6	14.8	0	29.7	68
01/02/2023 17:00	11.1	268	7	15	0	29.7	68
01/02/2023 17:10	11.2	270	6	14.3	0	29.6	69
01/02/2023 17:20	11.1	268	8	14.6	0	29.6	69
01/02/2023 17:30	10.7	268	7	13.6	0	29.5	69
01/02/2023 17:40	11	267	8	14.9	0	29.4	69
01/02/2023 17:50	10	266	8	14.2	0	29.7	68
01/02/2023 18:00	11.1	265	7	14.7	0	29.4	69
01/02/2023 18:10	9.9	266	7	13.8	0	29.3	69
01/02/2023 18:20	9.9	268	7	14	0	29.2	69
01/02/2023 18:30	9.7	273	8	12.9	0	29.1	69
01/02/2023 18:40	9.5	268	7	12.7	0	28.9	70
01/02/2023 18:50	10.4	268	7	13.7	0	28.7	69
01/02/2023 19:00	10	272	7	13.1	0	28.7	69
01/02/2023 19:10	9.4	270	6	12.8	0	28.7	69
01/02/2023 19:20	9.6	264	7	13.8	0	28.7	69
01/02/2023 19:30	9.9	264	6	13.5	0	28.7	69
01/02/2023 19:40	10.6	258	8	14.7	0	28.7	69
01/02/2023 19:50	10.2	262	6	13.8	0	28.6	69
01/02/2023 20:00	10.4	266	7	13.7	0	28.6	69
01/02/2023 20:10	10.7	263	6	14.5	0	28.5	69
01/02/2023 20:20	10.6	262	7	14	0	28.5	69
01/02/2023 20:30	10.2	266	7	14.4	0	28.5	69
01/02/2023 20:40	9.7	263	7	13.3	0	28.5	69
01/02/2023 20:50	10.1	265	7	13.4	0	28.5	69
01/02/2023 21:00	9.9	265	6	14.2	0	28.4	69
01/02/2023 21:10	11.1	260	7	14.4	0	28.4	69
01/02/2023 21:20	10.4	262	6	14.8	0	28.4	69
01/02/2023 21:30	11.1	265	7	14.2	0	28.4	69
01/02/2023 21:40	9.5	262	7	12.7	0	28.4	69
01/02/2023 21:50	10	258	7	13.7	0	28.4	69
01/02/2023 22:00	9.8	261	7	13.1	0	28.4	69
01/02/2023 22:10	10.7	264	7	13.8	0	28.3	69
01/02/2023 22:20	11.1	263	6	13.8	0	28.3	69
01/02/2023 22:30	10.8	259	7	14.9	0	28.3	69
01/02/2023 22:40	10.4	261	7	13.9	0	28.3	69
01/02/2023 22:50	9.6	259	7	12.1	0	28.3	69
01/02/2023 23:00	9.5	260	7	13.5	0	28.2	69
01/02/2023 23:10	9.9	266	6	13.6	0	28.2	69
01/02/2023 23:20	9.7	266	7	12.8	0	28.2	69
01/02/2023 23:30	9.7	264	6	13.9	0	28.3	69
01/02/2023 23:40	10.4	266	6	13.4	0	28.3	68
01/02/2023 23:50	10.1	265	7	12.7	0	28.4	67
01/03/2023 00:00	10.1	263	7	13.1	0	28.4	66
01/03/2023 00:10	10.3	264	6	13.6	0	28.3	66
01/03/2023 00:20	10.2	262	6	14.1	0	28.2	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/03/2023 00:30	9.1	260	7	12	0	28.2	66
01/03/2023 00:40	8.7	261	6	12	0	28.1	66
01/03/2023 00:50	8.7	258	7	12	0	28	65
01/03/2023 01:00	9.3	258	7	12.5	0	28	64
01/03/2023 01:10	9.4	258	8	12.5	0	27.9	63
01/03/2023 01:20	9	261	6	11.9	0	27.8	63
01/03/2023 01:30	7.7	259	7	10.7	0	27.8	63
01/03/2023 01:40	8.3	257	6	11.4	0	27.8	62
01/03/2023 01:50	8.2	257	7	11	0	27.7	62
01/03/2023 02:00	7.6	257	7	10.1	0	27.7	62
01/03/2023 02:10	7.5	254	8	10	0	27.8	61
01/03/2023 02:20	4.5	199	25	7.3	0	28	60
01/03/2023 02:30	3.7	229	40	6.5	0	28	59
01/03/2023 02:40	2.1	212	27	3.8	0	28.1	59
01/03/2023 02:50	5.1	262	8	6.3	0	27.9	59
01/03/2023 03:00	4.3	267	9	6.6	0	27.8	60
01/03/2023 03:10	5.6	267	5	6.8	0	27.7	60
01/03/2023 03:20	5.4	273	5	6.6	0	27.6	61
01/03/2023 03:30	4.5	273	7	5.7	0	27.6	63
01/03/2023 03:40	4.3	278	7	5.9	0	27.4	63
01/03/2023 03:50	4.4	288	8	6	0	27.5	63
01/03/2023 04:00	4.7	291	7	6.2	0	27.5	63
01/03/2023 04:10	5.3	284	6	7.3	0	27.6	64
01/03/2023 04:20	5.3	284	7	6.8	0	27.6	64
01/03/2023 04:30	5.2	283	7	7.2	0	27.5	66
01/03/2023 04:40	5.4	282	7	7.7	0	27.4	65
01/03/2023 04:50	5.9	278	6	7.8	0	27.4	66
01/03/2023 05:00	5.5	284	7	7.4	0	27.3	67
01/03/2023 05:10	6.6	280	6	8.5	0	27.3	67
01/03/2023 05:20	7	277	6	9	0	27.4	67
01/03/2023 05:30	7.4	279	6	9.2	0	27.3	67
01/03/2023 05:40	7.7	277	7	10.3	0	27.3	68
01/03/2023 05:50	7.1	276	6	10	0	27.3	67
01/03/2023 06:00	7	275	6	9.5	0	27.3	68
01/03/2023 06:10	7.4	271	6	9.3	0	27.4	68
01/03/2023 06:20	6.6	272	7	8.8	0	27.5	68
01/03/2023 06:30	6.7	268	8	9.7	0	27.7	68
01/03/2023 06:40	7.3	266	5	9.5	0	27.9	68
01/03/2023 06:50	7.8	266	6	9.8	0	28	68
01/03/2023 07:00	7.3	265	6	9.7	0	28.3	67
01/03/2023 07:10	7.6	263	7	9.8	0	28.3	67
01/03/2023 07:20	7.6	263	7	9.5	0	28.3	66
01/03/2023 07:30	6.6	265	7	8.7	0	28.4	66
01/03/2023 07:40	6.7	266	7	8.6	0	28.3	66
01/03/2023 07:50	6.7	265	6	8.4	0	28.5	66
01/03/2023 08:00	6.6	264	8	8.6	0	28.8	65
01/03/2023 08:10	6.9	264	7	8.3	0	29	65
01/03/2023 08:20	7	265	8	8.7	0	29.4	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/03/2023 08:30	7.3	266	7	9.1	0	29.7	63
01/03/2023 08:40	7.5	273	9	9.2	0	29.6	64
01/03/2023 08:50	7.3	271	6	9.4	0	29.9	64
01/03/2023 09:00	7.5	275	8	9.7	0	30	64
01/03/2023 09:10	7.6	274	8	9.4	0	30.1	64
01/03/2023 09:20	7.8	270	7	9.7	0	30	64
01/03/2023 09:30	7.9	273	8	9.7	0	30.1	64
01/03/2023 09:40	7.4	272	9	9.1	0	30.3	63
01/03/2023 09:50	7.5	275	8	9.6	0	30.5	63
01/03/2023 10:00	7.6	274	11	9.3	0	30.7	63
01/03/2023 10:10	7.7	282	8	10.2	0	30.9	63
01/03/2023 10:20	8.4	281	8	10.5	0	30.6	64
01/03/2023 10:30	8.6	276	7	10	0	30.4	65
01/03/2023 10:40	8.3	282	8	10.3	0	30.5	65
01/03/2023 10:50	7.9	278	9	10.1	0	30.9	64
01/03/2023 11:00	8	268	9	9.8	0	30.7	64
01/03/2023 11:10	8.2	279	8	10.1	0	31	63
01/03/2023 11:20	8.6	283	7	11	0	30.7	65
01/03/2023 11:30	9.2	279	6	11	0	30.4	66
01/03/2023 11:40	8.8	270	7	10.9	0	30.9	65
01/03/2023 11:50	9.1	274	7	11.7	0	30.9	64
01/03/2023 12:00	9.4	272	7	11.6	0	30.9	65
01/03/2023 12:10	9.5	268	8	12.1	0	30.8	65
01/03/2023 12:20	9.2	273	7	11.7	0	31	65
01/03/2023 12:30	9.3	278	8	11.4	0	30.7	66
01/03/2023 12:40	10	276	7	12.3	0	31	64
01/03/2023 12:50	9.7	279	7	12.3	0	30.9	64
01/03/2023 13:00	9.8	275	8	12.5	0	30.9	65
01/03/2023 13:10	10.1	273	7	12.7	0	30.7	66
01/03/2023 13:20	10	270	6	12	0	30.5	67
01/03/2023 13:30	9.9	275	7	12.4	0	30.7	67
01/03/2023 13:40	10.6	271	6	13	0	30.3	68
01/03/2023 13:50	10.3	270	7	12.7	0	30.3	68
01/03/2023 14:00	10.6	274	8	13.6	0	30.5	67
01/03/2023 14:10	9.8	270	7	12.6	0	30.5	67
01/03/2023 14:20	10	273	8	13.1	0	30.6	66
01/03/2023 14:30	9.7	271	8	13	0	30.6	66
01/03/2023 14:40	10.9	271	6	13.3	0	30.4	66
01/03/2023 14:50	10.2	275	7	13.1	0	30.4	66
01/03/2023 15:00	11.2	272	6	13.9	0	30.3	66
01/03/2023 15:10	11.2	270	7	13.6	0	30.3	66
01/03/2023 15:20	11	271	7	14	0	30.3	65
01/03/2023 15:30	10.9	272	8	13.8	0	30.3	66
01/03/2023 15:40	10.7	270	8	14.5	0	30.1	66
01/03/2023 15:50	11.1	275	7	14.6	0	30	66
01/03/2023 16:00	11.2	272	6	14.4	0	30.1	66
01/03/2023 16:10	10.9	275	8	14.6	0	29.9	67
01/03/2023 16:20	10.7	271	6	14.9	0	29.9	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/03/2023 16:30	11.2	269	6	14.7	0	29.6	68
01/03/2023 16:40	10.6	272	8	14.4	0	29.6	68
01/03/2023 16:50	11.7	275	6	14.6	0	29.3	68
01/03/2023 17:00	11.7	271	7	15.1	0	29.1	69
01/03/2023 17:10	11.8	269	6	14.9	0	28.8	69
01/03/2023 17:20	10.7	273	7	14.9	0	28.8	70
01/03/2023 17:30	11.2	270	7	15.4	0	28.5	70
01/03/2023 17:40	11.8	264	7	15.6	0	28.4	70
01/03/2023 17:50	10.5	247	11	15.6	0.2	28.6	69
01/03/2023 18:00	10.1	249	10	15.3	0.1	28.8	68
01/03/2023 18:10	10.7	257	7	14.2	0	28.9	68
01/03/2023 18:20	11.1	262	6	14.7	0	28.8	69
01/03/2023 18:30	10.6	262	6	13.8	0	28.8	68
01/03/2023 18:40	9.7	271	8	13.6	0	29	68
01/03/2023 18:50	10.4	279	7	14.8	0	28.8	69
01/03/2023 19:00	11	282	8	15.5	0	28.6	70
01/03/2023 19:10	10.6	279	8	14.7	0	28.7	70
01/03/2023 19:20	10.2	281	8	14.4	0	28.6	70
01/03/2023 19:30	9.4	278	7	13.6	0	28.5	70
01/03/2023 19:40	9.6	276	6	13.2	0	28.4	70
01/03/2023 19:50	9.3	274	6	12.8	0	28.4	70
01/03/2023 20:00	9.5	277	6	12.6	0	28.5	69
01/03/2023 20:10	9.8	269	7	13.8	0	28.5	69
01/03/2023 20:20	8.2	275	7	10.9	0	28.5	69
01/03/2023 20:30	9.3	268	7	12.4	0	28.4	69
01/03/2023 20:40	8.6	265	7	12.5	0	28.3	69
01/03/2023 20:50	9.1	265	7	12.2	0	28.1	69
01/03/2023 21:00	9.8	266	6	13	0	28	69
01/03/2023 21:10	8.8	268	7	12.7	0	28	69
01/03/2023 21:20	9.7	270	7	12.7	0	27.8	69
01/03/2023 21:30	9.2	270	7	12.1	0	27.9	69
01/03/2023 21:40	8.9	263	7	11.6	0	27.9	69
01/03/2023 21:50	9.1	265	7	12.1	0	27.9	69
01/03/2023 22:00	10	265	6	13.4	0	27.8	69
01/03/2023 22:10	10.7	262	6	14.2	0	27.7	69
01/03/2023 22:20	10.8	262	6	13.8	0	27.6	69
01/03/2023 22:30	11.7	261	6	15.8	0	27.5	69
01/03/2023 22:40	10.9	260	6	14.7	0	27.4	69
01/03/2023 22:50	9.9	254	7	13.6	0	27.3	68
01/03/2023 23:00	9.5	250	8	12.9	0	27.4	68
01/03/2023 23:10	8.7	252	9	11.7	0	27.3	69
01/03/2023 23:20	8.8	256	7	11.8	0	27.1	69
01/03/2023 23:30	9.8	255	7	12.9	0	27	69
01/03/2023 23:40	8.6	259	7	11.3	0	27	69
01/03/2023 23:50	8.5	256	7	12	0	27	69
01/04/2023 00:00	8.1	254	8	11.4	0	27	69
01/04/2023 00:10	7.7	248	9	11.6	0	27.2	68
01/04/2023 00:20	9.1	256	7	12.2	0	26.9	69



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/04/2023 00:30	7.6	254	7	10.7	0	26.9	69
01/04/2023 00:40	8.3	253	7	10.6	0	26.9	69
01/04/2023 00:50	7.8	256	7	10.4	0	26.8	69
01/04/2023 01:00	7.9	262	6	10.1	0	26.8	69
01/04/2023 01:10	7.6	259	6	10.4	0	26.8	69
01/04/2023 01:20	8	262	6	10.7	0	26.8	69
01/04/2023 01:30	7.5	263	6	9.7	0	26.7	69
01/04/2023 01:40	7.8	265	8	10.1	0	26.8	68
01/04/2023 01:50	8.4	265	7	12.1	0	26.8	68
01/04/2023 02:00	8.5	264	6	11	0	26.8	68
01/04/2023 02:10	8.6	262	7	11.1	0	26.8	68
01/04/2023 02:20	8.6	264	6	11.2	0	26.9	67
01/04/2023 02:30	8.6	263	7	11.6	0	26.9	67
01/04/2023 02:40	7.9	262	6	10.9	0	27	67
01/04/2023 02:50	8.6	262	7	11.2	0	27	67
01/04/2023 03:00	8.7	264	7	11.4	0	27.1	67
01/04/2023 03:10	8.5	262	7	12	0	27.1	67
01/04/2023 03:20	7.9	264	7	10.4	0	27.2	67
01/04/2023 03:30	7.7	264	7	9.9	0	27.2	67
01/04/2023 03:40	8.1	263	6	10.6	0	27.2	67
01/04/2023 03:50	7.8	260	7	10.2	0	27.2	67
01/04/2023 04:00	8.2	262	8	11	0	27.2	67
01/04/2023 04:10	8.4	260	6	11.5	0	27.3	67
01/04/2023 04:20	8.4	261	5	10.8	0	27.2	67
01/04/2023 04:30	7.8	262	6	10.1	0	27.2	68
01/04/2023 04:40	8.4	263	6	11	0	27.2	68
01/04/2023 04:50	8.3	262	7	11.5	0	27.1	68
01/04/2023 05:00	8.8	262	6	11.9	0	27	68
01/04/2023 05:10	8.1	261	6	10.5	0	27	68
01/04/2023 05:20	8.2	262	5	10	0	26.9	68
01/04/2023 05:30	8.3	264	6	10.6	0	26.9	68
01/04/2023 05:40	8.4	266	6	11	0	26.9	68
01/04/2023 05:50	8.7	265	5	11.2	0	26.8	68
01/04/2023 06:00	9	263	7	11.3	0	26.8	68
01/04/2023 06:10	8.8	261	6	11.5	0	26.8	68
01/04/2023 06:20	8.2	263	6	10.1	0	26.8	68
01/04/2023 06:30	8	264	5	9.9	0	26.8	68
01/04/2023 06:40	8.7	260	6	11	0	26.9	68
01/04/2023 06:50	9.3	259	6	12	0	27	68
01/04/2023 07:00	8.7	261	6	11.7	0	27.3	68
01/04/2023 07:10	8.5	260	6	11.2	0	27.6	67
01/04/2023 07:20	9.6	263	5	11.8	0.2	27.9	67
01/04/2023 07:30	8.7	262	7	11.1	0	28.2	66
01/04/2023 07:40	8.8	262	6	11.4	0	28.3	66
01/04/2023 07:50	8.4	262	6	10.2	0	28.6	65
01/04/2023 08:00	7.2	262	7	9.3	0	29.1	64
01/04/2023 08:10	7.3	265	6	8.9	0	29.2	64
01/04/2023 08:20	6.3	263	8	7.8	0	29.7	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/04/2023 08:30	5.7	266	7	8.2	0	30.3	62
01/04/2023 08:40	5.4	266	9	6.6	0	31.1	60
01/04/2023 08:50	5.8	275	9	7.2	0	31	60
01/04/2023 09:00	5.6	268	8	7.7	0	31.4	59
01/04/2023 09:10	5.1	268	10	6.9	0	31.6	58
01/04/2023 09:20	5.4	276	9	7.1	0	31.9	59
01/04/2023 09:30	5.8	285	7	7.9	0	31.5	62
01/04/2023 09:40	6.6	279	7	8.3	0	31.7	62
01/04/2023 09:50	6.7	281	7	8.5	0	31.6	62
01/04/2023 10:00	6.9	278	6	8.8	0	31.6	62
01/04/2023 10:10	6.9	279	11	9.5	0	31.7	62
01/04/2023 10:20	7.3	275	8	9.2	0	31.6	62
01/04/2023 10:30	8.3	275	6	10.1	0	31.3	63
01/04/2023 10:40	8.5	277	6	10.4	0	31	65
01/04/2023 10:50	9.1	278	7	11.3	0	31.1	65
01/04/2023 11:00	9.2	278	6	11.6	0	31.2	65
01/04/2023 11:10	9.9	274	6	12.2	0	31	66
01/04/2023 11:20	9.6	276	8	12.4	0	30.8	66
01/04/2023 11:30	9.1	271	8	11.7	0	30.9	66
01/04/2023 11:40	9.5	275	7	11.9	0	30.6	66
01/04/2023 11:50	8.9	270	10	12.1	0	30.6	66
01/04/2023 12:00	9.5	268	8	12.6	0	30.4	67
01/04/2023 12:10	9.9	265	8	12.8	0	30.1	67
01/04/2023 12:20	9.5	271	8	12.1	0	30.1	67
01/04/2023 12:30	10.1	269	8	12.9	0	30	67
01/04/2023 12:40	10.3	268	9	13.3	0	30.2	67
01/04/2023 12:50	10.5	273	10	12.9	0	30	67
01/04/2023 13:00	10.1	268	9	12.8	0	30.3	67
01/04/2023 13:10	10.4	268	8	13.7	0	30.4	66
01/04/2023 13:20	9.9	277	7	13.5	0	30.2	67
01/04/2023 13:30	10.4	266	7	13.2	0	30	67
01/04/2023 13:40	9.8	278	8	12.5	0	30	67
01/04/2023 13:50	9.4	271	10	12.3	0	30.4	67
01/04/2023 14:00	9.9	271	8	12.8	0	30.1	67
01/04/2023 14:10	9.6	276	8	13	0	30.1	67
01/04/2023 14:20	10.7	274	7	13.2	0	29.9	67
01/04/2023 14:30	10.3	273	7	13.5	0	30.3	66
01/04/2023 14:40	10.3	273	8	12.9	0	30.6	66
01/04/2023 14:50	10.6	269	8	14	0	30.3	66
01/04/2023 15:00	10.8	276	8	14.4	0	30.4	65
01/04/2023 15:10	10.9	274	10	13.6	0	30.4	65
01/04/2023 15:20	10.2	276	8	13.8	0	30.6	65
01/04/2023 15:30	11.1	277	7	14.6	0	30.5	65
01/04/2023 15:40	10.4	278	8	13.5	0	30.4	66
01/04/2023 15:50	10.6	276	7	13.6	0	29.6	68
01/04/2023 16:00	11.1	277	6	13.9	0	29.3	68
01/04/2023 16:10	10.2	275	7	14	0	29.2	68
01/04/2023 16:20	10.7	273	7	14.1	0	29.3	68





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/04/2023 16:30	11	275	6	13.8	0	29.2	68
01/04/2023 16:40	10.5	274	6	14.6	0	29.2	68
01/04/2023 16:50	10.8	274	8	13.7	0	29.2	68
01/04/2023 17:00	10.6	273	7	14.5	0	29.2	68
01/04/2023 17:10	10.5	273	8	14.7	0	29.3	68
01/04/2023 17:20	10.9	273	6	15.3	0	29.1	68
01/04/2023 17:30	10.9	272	7	15.6	0	28.9	69
01/04/2023 17:40	10.3	271	7	14.8	0	28.7	69
01/04/2023 17:50	11.3	269	7	15.3	0	28.5	69
01/04/2023 18:00	10.5	275	7	14.8	0	28.4	69
01/04/2023 18:10	10.4	268	7	14.5	0	28.4	69
01/04/2023 18:20	11.2	268	6	15	0	28.2	69
01/04/2023 18:30	10.6	272	8	14.3	0	28.1	69
01/04/2023 18:40	10.6	274	7	13.4	0	28	69
01/04/2023 18:50	10.9	273	8	14.9	0	27.9	69
01/04/2023 19:00	10.7	277	6	15	0	27.8	69
01/04/2023 19:10	9.3	273	7	13.2	0	27.8	69
01/04/2023 19:20	9.8	272	7	14.2	0	27.8	69
01/04/2023 19:30	10.3	271	6	13.4	0	27.7	69
01/04/2023 19:40	10.2	270	7	13.4	0	27.6	68
01/04/2023 19:50	9.3	264	7	11.9	0	27.6	68
01/04/2023 20:00	9.8	263	7	13.1	0	27.6	68
01/04/2023 20:10	10.4	263	7	13.7	0	27.5	68
01/04/2023 20:20	10.3	262	7	13.5	0	27.5	68
01/04/2023 20:30	10.1	260	6	13.7	0	27.4	68
01/04/2023 20:40	10.4	265	6	13.1	0	27.4	68
01/04/2023 20:50	9.8	264	7	12.9	0	27.4	68
01/04/2023 21:00	9.8	265	7	12.4	0	27.4	68
01/04/2023 21:10	9.8	265	6	13.9	0	27.3	68
01/04/2023 21:20	11.4	264	6	13.9	0	27.3	68
01/04/2023 21:30	11.3	259	6	14.9	0	27.3	68
01/04/2023 21:40	11.2	257	6	15.3	0	27.2	68
01/04/2023 21:50	9.9	257	8	13.9	0	27.3	67
01/04/2023 22:00	10.3	256	7	14.1	0	27.2	67
01/04/2023 22:10	9.9	252	8	14.2	0	27.2	68
01/04/2023 22:20	9.8	253	9	12.9	0	27.1	68
01/04/2023 22:30	9.8	255	7	14.1	0	27	68
01/04/2023 22:40	10.2	253	8	13.9	0.1	26.9	68
01/04/2023 22:50	9.5	253	8	12.8	0	26.8	68
01/04/2023 23:00	9.2	252	8	13.3	0	26.7	68
01/04/2023 23:10	8.6	254	9	11.6	0	26.7	68
01/04/2023 23:20	8.4	256	8	12.3	0	26.6	68
01/04/2023 23:30	9.1	256	10	13.3	0	26.7	68
01/04/2023 23:40	8.9	256	8	12.4	0	26.7	68
01/04/2023 23:50	8.3	255	6	10.9	0	26.7	68
01/05/2023 00:00	8.4	256	6	11.3	0	26.8	68
01/05/2023 00:10	7.4	256	7	9.9	0	26.8	68
01/05/2023 00:20	7.9	258	6	11.1	0	26.8	68



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/05/2023 00:30	8.6	257	7	11.9	0	26.8	68
01/05/2023 00:40	7.1	256	8	10.2	0	26.8	68
01/05/2023 00:50	7.5	255	7	9.9	0	26.7	67
01/05/2023 01:00	7.6	253	7	10.5	0	26.7	67
01/05/2023 01:10	7.1	258	6	9.1	0	26.7	67
01/05/2023 01:20	7.3	259	7	9.4	0	26.6	67
01/05/2023 01:30	8	261	6	10.8	0	26.6	67
01/05/2023 01:40	8.4	257	6	10.7	0	26.6	67
01/05/2023 01:50	8.1	254	6	10.7	0	26.5	66
01/05/2023 02:00	8.2	256	7	10.9	0	26.5	66
01/05/2023 02:10	7.5	252	8	10.2	0	26.5	66
01/05/2023 02:20	6	248	10	8.8	0	26.6	66
01/05/2023 02:30	6.3	255	8	8.6	0	26.6	66
01/05/2023 02:40	7	256	7	9.9	0	26.5	66
01/05/2023 02:50	6.6	254	7	9.1	0	26.6	66
01/05/2023 03:00	8.3	258	6	10.6	0	26.5	66
01/05/2023 03:10	9	258	6	11.9	0	26.5	66
01/05/2023 03:20	8.2	260	6	11.1	0	26.5	66
01/05/2023 03:30	9	259	6	11.6	0	26.5	66
01/05/2023 03:40	9.2	260	5	11.4	0	26.5	66
01/05/2023 03:50	8	263	6	10.1	0	26.4	67
01/05/2023 04:00	8.5	264	6	10.8	0	26.3	67
01/05/2023 04:10	8.2	265	6	10.2	0	26.2	67
01/05/2023 04:20	7.2	266	5	9.8	0	26.2	67
01/05/2023 04:30	7.2	265	6	9.2	0	26.2	67
01/05/2023 04:40	6.7	264	6	8.9	0	26.2	67
01/05/2023 04:50	6.8	265	5	8.4	0	26.1	67
01/05/2023 05:00	7.3	262	5	9.5	0	26.1	67
01/05/2023 05:10	7.4	256	7	9.8	0	26.1	67
01/05/2023 05:20	6.3	256	7	8.6	0	26.1	68
01/05/2023 05:30	7.1	262	7	8.9	0	26.2	68
01/05/2023 05:40	7.4	269	5	8.7	0	26.2	68
01/05/2023 05:50	8	262	5	9.5	0	26.1	68
01/05/2023 06:00	7.6	262	6	9.6	0	26	68
01/05/2023 06:10	7.9	261	6	9.9	0	26	68
01/05/2023 06:20	7.6	263	6	9.6	0	26	68
01/05/2023 06:30	7.4	260	6	9.7	0	25.9	68
01/05/2023 06:40	7.2	260	6	9.5	0	26	68
01/05/2023 06:50	6.9	261	6	9.2	0	26.3	68
01/05/2023 07:00	7.3	259	7	9.3	0	26.5	67
01/05/2023 07:10	7.1	255	7	9.1	0	26.4	68
01/05/2023 07:20	6.7	263	5	8.8	0	26.3	68
01/05/2023 07:30	6.6	259	6	8.3	0	26.4	68
01/05/2023 07:40	5.9	260	7	7.4	0	26.6	68
01/05/2023 07:50	5.8	259	6	7.4	0	26.8	67
01/05/2023 08:00	6.2	260	7	8.1	0	27.1	67
01/05/2023 08:10	6.5	264	7	8.1	0	27.4	67
01/05/2023 08:20	6.9	266	6	8.8	0	27.5	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/05/2023 08:30	7	269	6	9.5	0	28	66
01/05/2023 08:40	7.2	265	6	8.8	0	28.2	66
01/05/2023 08:50	6.9	264	7	8.6	0	28.6	66
01/05/2023 09:00	7.2	266	6	9.1	0	28.9	65
01/05/2023 09:10	7.2	266	7	9.2	0	29.5	64
01/05/2023 09:20	7.3	267	8	9.1	0	29.8	64
01/05/2023 09:30	7.8	269	8	9.5	0	30.3	63
01/05/2023 09:40	7.4	265	10	9.8	0	30.5	63
01/05/2023 09:50	7.6	272	10	9.9	0	31.1	62
01/05/2023 10:00	8.3	276	9	10.9	0	30.6	64
01/05/2023 10:10	8.7	276	6	11	0	30.7	63
01/05/2023 10:20	8.3	274	9	10.5	0	30.9	63
01/05/2023 10:30	8.1	274	11	10.4	0	31.2	63
01/05/2023 10:40	8.9	281	8	11.5	0	31.1	64
01/05/2023 10:50	8.5	276	8	11.4	0	31.1	64
01/05/2023 11:00	9.3	277	6	11.8	0	30.3	66
01/05/2023 11:10	9.4	278	7	12.3	0	30.5	65
01/05/2023 11:20	8.9	276	8	11.6	0	30.5	66
01/05/2023 11:30	9.5	274	9	12.4	0	30.3	66
01/05/2023 11:40	10	276	8	13	0	30	67
01/05/2023 11:50	10.3	271	6	13.6	0	29.8	67
01/05/2023 12:00	10.1	271	8	13.2	0	30.1	66
01/05/2023 12:10	10.3	275	8	13	0	30.3	66
01/05/2023 12:20	10.9	280	7	14.5	0	30	67
01/05/2023 12:30	10.9	277	7	14.4	0	30	67
01/05/2023 12:40	10.5	277	8	14.5	0	30.4	65
01/05/2023 12:50	11.8	273	8	15.1	0	30	66
01/05/2023 13:00	11.2	273	7	15.1	0	30	66
01/05/2023 13:10	11.8	272	7	15.7	0	29.9	66
01/05/2023 13:20	11.2	271	8	15.2	0	30.1	66
01/05/2023 13:30	12.5	270	8	16.5	0	29.8	66
01/05/2023 13:40	11.6	266	8	15.8	0	30.1	66
01/05/2023 13:50	11.8	267	8	14.8	0.1	29.9	66
01/05/2023 14:00	11.6	267	8	14.7	0	29.7	66
01/05/2023 14:10	11.8	269	7	15.8	0.1	29.8	66
01/05/2023 14:20	12.4	264	6	16.3	0	29.7	66
01/05/2023 14:30	12.2	267	8	16.5	0	30	66
01/05/2023 14:40	12.8	266	7	16	0	29.8	66
01/05/2023 14:50	12	269	7	16	0	29.9	66
01/05/2023 15:00	13.4	265	6	17	0	29.4	67
01/05/2023 15:10	12.8	268	6	16.7	0	29.3	66
01/05/2023 15:20	12.2	274	8	16	0	29.5	66
01/05/2023 15:30	12.3	273	7	15.9	0	29.3	67
01/05/2023 15:40	11.8	270	7	15.2	0	29.2	67
01/05/2023 15:50	12.3	275	5	16.1	0	29	67
01/05/2023 16:00	10.4	270	9	14.2	0	29.3	67
01/05/2023 16:10	11	267	8	15.5	0	29.1	67
01/05/2023 16:20	10.8	270	8	14.8	0	29.1	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/05/2023 16:30	10.9	266	8	14.4	0	28.9	67
01/05/2023 16:40	11.6	273	7	15.7	0	28.6	68
01/05/2023 16:50	11	274	8	14.9	0	28.5	68
01/05/2023 17:00	10.1	269	8	14.3	0	28.6	68
01/05/2023 17:10	11.4	266	7	15.2	0	28.5	68
01/05/2023 17:20	10.4	273	8	14.7	0	28.5	68
01/05/2023 17:30	10.3	267	7	15.5	0	28.3	69
01/05/2023 17:40	10.2	268	9	13.5	0	28.1	69
01/05/2023 17:50	11.1	268	8	15.2	0	27.9	69
01/05/2023 18:00	11.5	264	7	15.2	0	27.7	69
01/05/2023 18:10	12.4	263	7	16.4	0	27.5	69
01/05/2023 18:20	11.9	263	6	15.5	0	27.4	69
01/05/2023 18:30	11	265	6	15.5	0	27.4	69
01/05/2023 18:40	11.1	269	7	14.9	0	27.3	69
01/05/2023 18:50	10.9	262	7	14.7	0	27.3	68
01/05/2023 19:00	11.1	266	8	15	0	27.2	68
01/05/2023 19:10	10.5	263	8	13.8	0	27.2	68
01/05/2023 19:20	10.3	262	7	13.3	0	27.2	68
01/05/2023 19:30	10.1	262	7	14.1	0	27.2	68
01/05/2023 19:40	10.7	263	6	14.7	0	27.2	68
01/05/2023 19:50	11	263	6	14.2	0	27.2	68
01/05/2023 20:00	10	266	7	13.8	0	27.2	68
01/05/2023 20:10	10.2	266	7	14.8	0	27.1	67
01/05/2023 20:20	10.1	263	8	13.3	0	27.1	67
01/05/2023 20:30	10.5	266	6	13.4	0	27.1	67
01/05/2023 20:40	9.5	266	7	13.2	0	27.1	67
01/05/2023 20:50	9.4	267	7	12.6	0	27.1	67
01/05/2023 21:00	10.3	265	8	13.9	0	27.1	67
01/05/2023 21:10	9.7	266	7	13.7	0	27.1	67
01/05/2023 21:20	10.7	265	7	14.4	0	27.1	67
01/05/2023 21:30	10.3	265	7	13.8	0	27.1	67
01/05/2023 21:40	10.7	265	6	14.6	0	27	67
01/05/2023 21:50	9.9	261	7	13.4	0	27	67
01/05/2023 22:00	9.4	260	6	12.4	0	26.9	66
01/05/2023 22:10	10.3	258	6	14	0	26.9	66
01/05/2023 22:20	10.8	258	7	14.7	0	26.9	66
01/05/2023 22:30	9.6	253	8	13.3	0	26.9	66
01/05/2023 22:40	9.1	252	8	12.6	0	27	67
01/05/2023 22:50	9.6	253	8	14	0	27	67
01/05/2023 23:00	8.5	254	8	13	0	26.9	67
01/05/2023 23:10	9.3	253	8	13.6	0	26.9	67
01/05/2023 23:20	10.1	254	7	14.2	0	26.9	67
01/05/2023 23:30	9.7	253	7	13.6	0	26.9	67
01/05/2023 23:40	9.5	257	7	11.9	0	26.9	67
01/05/2023 23:50	9	257	8	13.2	0	26.9	67
01/06/2023 00:00	9.2	256	7	12.5	0	27	67
01/06/2023 00:10	9.6	255	7	12.9	0	27	67
01/06/2023 00:20	9.8	255	7	12.6	0	27	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/06/2023 00:30	9.2	252	7	13.2	0	27	67
01/06/2023 00:40	9.5	253	9	12.6	0	27	67
01/06/2023 00:50	9.8	254	7	13.3	0	27	67
01/06/2023 01:00	9.2	253	8	12.2	0	27	67
01/06/2023 01:10	9	254	8	12.7	0	26.9	67
01/06/2023 01:20	8.7	256	6	12.4	0	26.8	67
01/06/2023 01:30	8.5	252	8	12.2	0	26.8	67
01/06/2023 01:40	8.7	253	8	12	0	26.7	67
01/06/2023 01:50	8.7	252	8	11.7	0	26.7	67
01/06/2023 02:00	9.2	252	7	13.1	0	26.7	67
01/06/2023 02:10	8.9	253	6	11.9	0	26.5	68
01/06/2023 02:20	8.7	255	8	11.4	0	26.4	68
01/06/2023 02:30	9.2	256	7	12	0	26.3	68
01/06/2023 02:40	9.2	256	7	13.1	0	26.2	68
01/06/2023 02:50	9.2	255	7	12.4	0	26.1	68
01/06/2023 03:00	9.4	252	6	12.7	0	26.2	68
01/06/2023 03:10	9.5	254	8	12.1	0	26	68
01/06/2023 03:20	9.4	251	8	12.7	0	26	68
01/06/2023 03:30	10.4	254	7	14.1	0	25.9	68
01/06/2023 03:40	9.8	252	7	14.2	0	25.8	68
01/06/2023 03:50	9.8	250	8	14.5	0	25.7	68
01/06/2023 04:00	9.2	251	8	12.7	0.1	25.6	68
01/06/2023 04:10	8.3	251	8	11.6	0	25.4	69
01/06/2023 04:20	8.5	254	8	11.5	0	25.2	69
01/06/2023 04:30	8	257	7	10.7	0	25	69
01/06/2023 04:40	7.9	262	6	10.6	0	24.9	69
01/06/2023 04:50	7.7	264	7	10.7	0	24.9	69
01/06/2023 05:00	7.4	264	5	9.9	0	24.8	69
01/06/2023 05:10	7.1	266	5	8.9	0	24.7	69
01/06/2023 05:20	7.4	265	5	9.4	0	24.7	69
01/06/2023 05:30	8	260	6	10.7	0	24.7	69
01/06/2023 05:40	7.6	260	6	9.7	0	24.6	69
01/06/2023 05:50	7.3	264	6	9.7	0	24.6	69
01/06/2023 06:00	8.5	263	5	10.6	0	24.6	69
01/06/2023 06:10	8.2	258	6	10.6	0	24.6	69
01/06/2023 06:20	8.2	257	6	10.3	0	24.7	69
01/06/2023 06:30	7.8	261	5	9.8	0	24.8	69
01/06/2023 06:40	7.9	261	6	10.3	0	25	69
01/06/2023 06:50	7.8	262	7	10.4	0	25.2	69
01/06/2023 07:00	8.2	261	6	10.6	0	25.3	68
01/06/2023 07:10	8.1	261	5	10.1	0	25.5	68
01/06/2023 07:20	7.9	265	6	10.8	0	25.8	68
01/06/2023 07:30	8.4	263	5	10.7	0.1	25.9	68
01/06/2023 07:40	7.7	261	7	10.1	0	26.1	68
01/06/2023 07:50	7.4	263	7	9.6	0	26.4	67
01/06/2023 08:00	7.6	257	9	10.5	0	26.8	67
01/06/2023 08:10	8.1	257	9	11	0	27.1	66
01/06/2023 08:20	8.3	260	7	10.5	0	27.3	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/06/2023 08:30	8.6	269	6	11.4	0	27.6	66
01/06/2023 08:40	8.5	270	6	11.3	0	27.9	65
01/06/2023 08:50	8	268	6	10.3	0	28	65
01/06/2023 09:00	7.7	264	9	9.9	0	28.3	65
01/06/2023 09:10	8	265	7	10.3	0	28.5	64
01/06/2023 09:20	8.5	269	6	10.9	0	28.6	64
01/06/2023 09:30	8.7	266	6	11.1	0	28.6	64
01/06/2023 09:40	7.6	271	9	10.3	0	29.1	63
01/06/2023 09:50	8.6	279	7	11.5	0	29.1	64
01/06/2023 10:00	9.1	279	7	11.3	0	28.8	65
01/06/2023 10:10	8.4	276	8	11.3	0	29.2	65
01/06/2023 10:20	9.4	282	6	12.7	0	29.1	65
01/06/2023 10:30	9.6	279	7	12.7	0	29	66
01/06/2023 10:40	9.7	277	8	12.8	0	29	66
01/06/2023 10:50	9.9	277	8	12.7	0	29.2	65
01/06/2023 11:00	11	278	6	13.2	0	28.9	65
01/06/2023 11:10	10.7	274	6	13.7	0	29.2	65
01/06/2023 11:20	10.1	277	7	13.8	0	29.7	64
01/06/2023 11:30	10.9	276	6	13.6	0	29.6	64
01/06/2023 11:40	10.5	279	9	13.7	0	29.6	65
01/06/2023 11:50	10.5	278	8	13.5	0	29.8	64
01/06/2023 12:00	10.5	276	8	13.5	0	29.7	65
01/06/2023 12:10	10.7	271	7	14	0	29.9	65
01/06/2023 12:20	10.1	272	8	13.2	0	30.3	64
01/06/2023 12:30	10.4	276	8	13.4	0	30.1	65
01/06/2023 12:40	10.2	276	8	14.8	0	30.3	64
01/06/2023 12:50	10.7	273	7	13.8	0	30.3	64
01/06/2023 13:00	11.3	278	7	14.8	0	30.3	64
01/06/2023 13:10	11.2	272	7	14.4	0	30.2	65
01/06/2023 13:20	10.8	272	7	13.9	0	30.1	66
01/06/2023 13:30	11.1	273	8	13.9	0	30	66
01/06/2023 13:40	11.5	270	6	14.9	0	29.8	66
01/06/2023 13:50	11	272	7	14.3	0	30	66
01/06/2023 14:00	10.3	276	8	14.2	0	30.1	66
01/06/2023 14:10	10.9	275	7	15.4	0	30.3	65
01/06/2023 14:20	11.4	275	8	15.3	0	30	66
01/06/2023 14:30	11.8	274	7	15.3	0	30.1	65
01/06/2023 14:40	11.2	271	7	14.7	0	30.3	65
01/06/2023 14:50	12	274	8	16.1	0	30	66
01/06/2023 15:00	12.9	271	6	16.2	0.1	29.8	66
01/06/2023 15:10	12.1	277	8	16.4	0	29.7	67
01/06/2023 15:20	12.8	276	9	17.3	0	29.8	66
01/06/2023 15:30	11.6	276	7	15.9	0	30.2	66
01/06/2023 15:40	12.5	278	6	16.9	0	29.7	67
01/06/2023 15:50	13.4	276	6	17.5	0.1	29.6	67
01/06/2023 16:00	12.5	273	6	15.3	0	29.7	67
01/06/2023 16:10	13.4	278	6	16.6	0	29.4	67
01/06/2023 16:20	13	277	7	17	0	29.5	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/06/2023 16:30	10.8	278	8	14.5	0	29.9	67
01/06/2023 16:40	11.6	276	7	15.5	0	29.7	67
01/06/2023 16:50	11.7	274	6	16	0	29.6	67
01/06/2023 17:00	11	272	7	16.2	0	29.6	67
01/06/2023 17:10	12	271	6	16.7	0	29.4	67
01/06/2023 17:20	10.8	272	8	14.8	0	29.3	67
01/06/2023 17:30	10.8	274	8	15.9	0	29.4	67
01/06/2023 17:40	12.7	270	6	17.6	0	29	68
01/06/2023 17:50	12	272	8	15.8	0	28.8	68
01/06/2023 18:00	11.9	273	6	16	0	28.7	68
01/06/2023 18:10	10.8	270	7	15.8	0	28.6	68
01/06/2023 18:20	12.2	269	6	17.1	0	28.4	69
01/06/2023 18:30	11.9	269	8	16.2	0	28.1	69
01/06/2023 18:40	12.5	269	7	17.5	0	27.9	69
01/06/2023 18:50	11.7	271	6	16.1	0	27.9	69
01/06/2023 19:00	11.1	272	8	14.6	0	27.8	69
01/06/2023 19:10	12.1	271	7	15.8	0	27.6	69
01/06/2023 19:20	11.4	274	6	15.1	0	27.6	69
01/06/2023 19:30	11.1	273	7	15.6	0	27.6	69
01/06/2023 19:40	11.2	272	7	15.6	0	27.5	69
01/06/2023 19:50	10.6	270	7	15.3	0	27.6	69
01/06/2023 20:00	11	271	7	15.4	0	27.5	68
01/06/2023 20:10	11.1	274	7	14.8	0	27.6	68
01/06/2023 20:20	10.4	271	7	14.2	0	27.6	68
01/06/2023 20:30	10.6	270	7	14.2	0	27.6	68
01/06/2023 20:40	10.6	268	7	16	0	27.7	68
01/06/2023 20:50	10.9	269	8	15.3	0	27.7	68
01/06/2023 21:00	10.9	270	7	14.7	0	27.7	68
01/06/2023 21:10	11.1	267	7	15.3	0	27.7	68
01/06/2023 21:20	12.1	265	6	16.2	0	27.7	68
01/06/2023 21:30	11.5	264	7	15.8	0	27.7	68
01/06/2023 21:40	12.3	264	7	16.2	0	27.6	68
01/06/2023 21:50	11	262	6	15.5	0	27.6	68
01/06/2023 22:00	11.3	261	7	15.7	0	27.6	68
01/06/2023 22:10	11.6	261	6	15.2	0	27.6	68
01/06/2023 22:20	11.8	263	6	15.3	0	27.6	68
01/06/2023 22:30	10.7	265	7	14.8	0	27.6	68
01/06/2023 22:40	11.1	265	7	15.1	0	27.6	68
01/06/2023 22:50	12.1	267	6	16	0	27.5	68
01/06/2023 23:00	11.3	266	6	16.2	0	27.5	69
01/06/2023 23:10	11.3	266	6	16.2	0	27.5	68
01/06/2023 23:20	9.9	263	6	14.2	0	27.5	68
01/06/2023 23:30	11	264	7	14.3	0	27.4	68
01/06/2023 23:40	10.3	261	7	14.2	0	27.4	68
01/06/2023 23:50	10.9	263	7	15.1	0	27.4	68
01/07/2023 00:00	10.9	262	6	14.2	0	27.4	68
01/07/2023 00:10	11.5	262	7	15.2	0	27.4	68
01/07/2023 00:20	10.1	258	7	13.1	0	27.4	68



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/07/2023 00:30	10.3	257	8	15	0	27.3	68
01/07/2023 00:40	11.2	259	7	16.7	0.1	27.3	68
01/07/2023 00:50	9.8	257	7	14.3	0	27.2	68
01/07/2023 01:00	9.7	258	7	13.2	0	27.2	68
01/07/2023 01:10	10.1	257	7	13.3	0	27	68
01/07/2023 01:20	9.3	259	7	12.9	0	27	68
01/07/2023 01:30	10	259	7	13.4	0	26.8	68
01/07/2023 01:40	10.1	259	7	14.1	0	26.8	67
01/07/2023 01:50	10.6	258	6	13.7	0	26.6	67
01/07/2023 02:00	10.4	257	7	13.2	0	26.5	67
01/07/2023 02:10	9.4	256	7	12.9	0	26.5	67
01/07/2023 02:20	9.9	258	7	14	0	26.4	68
01/07/2023 02:30	10	255	7	13.7	0	26.3	67
01/07/2023 02:40	10.2	256	7	14.6	0	26.2	68
01/07/2023 02:50	9.5	257	7	13.4	0	26.1	68
01/07/2023 03:00	10.3	258	7	14.2	0	26	68
01/07/2023 03:10	10.4	258	7	14.2	0	25.9	68
01/07/2023 03:20	10.4	257	6	13.9	0	25.7	68
01/07/2023 03:30	9.9	258	7	14.2	0	25.6	68
01/07/2023 03:40	9	258	7	12.3	0	25.4	69
01/07/2023 03:50	9.3	259	6	12.7	0	25.2	69
01/07/2023 04:00	9.7	260	6	13.1	0	25.2	69
01/07/2023 04:10	9.4	260	5	13.3	0	25.1	69
01/07/2023 04:20	9.2	262	6	12.2	0	24.9	69
01/07/2023 04:30	10	263	6	14.7	0	24.9	70
01/07/2023 04:40	10.4	265	6	14.5	0	24.8	70
01/07/2023 04:50	10.4	264	7	14	0	24.7	70
01/07/2023 05:00	10.1	264	7	13.9	0	24.6	70
01/07/2023 05:10	10.7	264	7	14.1	0	24.6	70
01/07/2023 05:20	10.8	263	6	13.9	0	24.5	70
01/07/2023 05:30	9.3	262	8	12.2	0	24.4	70
01/07/2023 05:40	9.8	259	7	13.1	0	24.4	70
01/07/2023 05:50	9.7	257	7	13.7	0	24.3	70
01/07/2023 06:00	9.6	258	6	12.2	0	24.3	70
01/07/2023 06:10	9	259	7	12.7	0	24.3	70
01/07/2023 06:20	10.4	260	6	13	0	24.4	70
01/07/2023 06:30	11	260	6	13.9	0	24.5	70
01/07/2023 06:40	10.4	258	7	13.3	0	24.6	70
01/07/2023 06:50	10.8	260	6	14	0	24.8	69
01/07/2023 07:00	9.7	265	6	13.1	0	25.1	69
01/07/2023 07:10	9.9	263	7	13.4	0	25.3	69
01/07/2023 07:20	11.2	265	5	14.3	0	25.3	69
01/07/2023 07:30	10.4	265	6	13.8	0	25.5	69
01/07/2023 07:40	10.6	266	6	14.2	0	25.7	68
01/07/2023 07:50	10.6	265	6	13.7	0	25.9	68
01/07/2023 08:00	10.1	266	6	12.7	0	26	68
01/07/2023 08:10	9.6	262	7	11.9	0	26.3	67
01/07/2023 08:20	9.3	265	8	12.1	0	26.7	67





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/07/2023 08:30	10.2	263	7	12.8	0	26.6	67
01/07/2023 08:40	9.1	264	8	12.9	0	27	67
01/07/2023 08:50	9.6	267	9	13.1	0	27.2	66
01/07/2023 09:00	10.2	266	8	13	0	27.4	66
01/07/2023 09:10	9.8	267	9	12.8	0	27.7	66
01/07/2023 09:20	10.6	269	6	13.8	0	27.8	65
01/07/2023 09:30	10.6	265	7	13.1	0	27.9	65
01/07/2023 09:40	9.9	272	9	12.8	0	28.6	64
01/07/2023 09:50	10.5	268	9	13.2	0	28.6	64
01/07/2023 10:00	10.4	274	8	14.1	0	28.9	65
01/07/2023 10:10	10.9	269	9	15.1	0	28.8	66
01/07/2023 10:20	10.7	274	8	13.7	0	29	66
01/07/2023 10:30	10.1	273	7	13.6	0	29	66
01/07/2023 10:40	10.1	275	9	13.4	0	29.6	65
01/07/2023 10:50	10.3	275	7	13.9	0	29.4	66
01/07/2023 11:00	10.6	278	7	14.5	0	29.4	66
01/07/2023 11:10	10.6	276	8	13.9	0	29.1	66
01/07/2023 11:20	10.5	277	7	13.3	0	29.3	66
01/07/2023 11:30	10.6	279	9	13.4	0	29.3	66
01/07/2023 11:40	10.4	270	8	13.8	0	29.7	65
01/07/2023 11:50	10.1	275	7	13.3	0	29.8	66
01/07/2023 12:00	10.4	273	7	13.5	0	30.1	64
01/07/2023 12:10	10.2	274	8	13.4	0	30.3	64
01/07/2023 12:20	10.4	272	8	14.2	0	30.3	65
01/07/2023 12:30	10.4	272	8	13.5	0	30.2	65
01/07/2023 12:40	10.1	279	8	13.8	0	30.3	65
01/07/2023 12:50	10.5	272	7	13.5	0	30.5	64
01/07/2023 13:00	10.8	274	8	13.7	0	30.5	64
01/07/2023 13:10	11	273	7	14.5	0	30.3	65
01/07/2023 13:20	10.8	269	7	13.7	0	30.3	66
01/07/2023 13:30	11.1	272	7	13.6	0	30	67
01/07/2023 13:40	11.2	274	7	14.6	0	29.9	67
01/07/2023 13:50	11.6	275	8	13.6	0	29.6	67
01/07/2023 14:00	11.3	273	7	14.1	0	29.5	67
01/07/2023 14:10	11.2	271	7	14.5	0	30	66
01/07/2023 14:20	10.3	271	8	13.8	0	30.2	65
01/07/2023 14:30	11.3	269	7	14.5	0	30.2	66
01/07/2023 14:40	10.9	268	8	13.7	0	30.1	66
01/07/2023 14:50	11.5	269	7	14.5	0	30.1	66
01/07/2023 15:00	11.2	271	7	14.3	0	29.9	66
01/07/2023 15:10	11.7	271	7	15.2	0	29.6	67
01/07/2023 15:20	12	272	7	15.5	0	29.6	66
01/07/2023 15:30	11.6	271	8	15.1	0	29.7	66
01/07/2023 15:40	12.3	270	7	17	0	29.6	65
01/07/2023 15:50	11.5	273	6	15.4	0	29.9	65
01/07/2023 16:00	11.2	277	7	15.3	0	29.9	65
01/07/2023 16:10	11.3	272	7	15.5	0	29.9	65
01/07/2023 16:20	11.8	270	7	15.3	0	29.4	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/07/2023 16:30	11.6	267	8	15	0	29.3	67
01/07/2023 16:40	10.7	265	7	14.9	0	29.4	67
01/07/2023 16:50	11.4	269	7	14.5	0	29.4	67
01/07/2023 17:00	11.1	269	7	15.1	0	29.3	67
01/07/2023 17:10	10.8	267	7	14.2	0	28.9	68
01/07/2023 17:20	11.5	266	6	14.3	0	28.9	68
01/07/2023 17:30	11.2	265	7	14.1	0	28.9	68
01/07/2023 17:40	10.5	270	8	14.6	0	29	68
01/07/2023 17:50	9.1	271	7	12.2	0	29.2	68
01/07/2023 18:00	9.7	269	8	14	0	28.9	69
01/07/2023 18:10	9.4	268	7	12.7	0	28.6	69
01/07/2023 18:20	9.3	268	7	12.8	0	28.5	69
01/07/2023 18:30	10.3	272	6	13.9	0	28.1	70
01/07/2023 18:40	10.2	269	7	12.9	0	27.9	70
01/07/2023 18:50	9.5	264	6	12.9	0	27.8	70
01/07/2023 19:00	9.7	269	6	13.5	0	27.7	69
01/07/2023 19:10	9.2	268	6	11.7	0	27.6	69
01/07/2023 19:20	9.5	262	6	12.2	0	27.6	69
01/07/2023 19:30	10.5	265	5	13.6	0	27.5	69
01/07/2023 19:40	9	268	6	12.2	0	27.5	69
01/07/2023 19:50	8.5	270	7	11.7	0	27.4	68
01/07/2023 20:00	8.4	268	8	11.4	0	27.3	68
01/07/2023 20:10	8	267	7	10.4	0	27.3	68
01/07/2023 20:20	8.6	268	6	11.8	0	27.3	68
01/07/2023 20:30	8.8	271	6	11.1	0	27.2	68
01/07/2023 20:40	8.8	273	6	11.3	0	27.2	67
01/07/2023 20:50	9.3	267	6	11.6	0	27.2	67
01/07/2023 21:00	9.8	265	6	12.3	0	27.1	67
01/07/2023 21:10	9.5	269	6	12.1	0	27.1	67
01/07/2023 21:20	9.4	266	6	12.4	0	27.1	67
01/07/2023 21:30	9	270	5	11.6	0	27.1	67
01/07/2023 21:40	9.8	270	5	12.7	0	27	67
01/07/2023 21:50	9.5	270	6	12.2	0	27	67
01/07/2023 22:00	9.1	266	6	11.7	0	27	67
01/07/2023 22:10	9.7	268	5	12.5	0	27	67
01/07/2023 22:20	8.8	272	6	11.2	0	27	67
01/07/2023 22:30	9.2	274	6	12.7	0	26.9	67
01/07/2023 22:40	8.5	274	7	11.4	0	26.9	67
01/07/2023 22:50	8.5	277	7	12.5	0	26.9	67
01/07/2023 23:00	7.7	276	7	10.2	0	26.9	67
01/07/2023 23:10	8.3	278	7	10.8	0	26.9	67
01/07/2023 23:20	8.5	275	6	11.9	0	26.9	67
01/07/2023 23:30	8.8	270	6	11.7	0	26.9	67
01/07/2023 23:40	8.7	274	7	11.9	0	26.9	67
01/07/2023 23:50	8.6	276	6	11.8	0	26.8	66
01/08/2023 00:00	7.7	275	6	10.9	0	26.8	66
01/08/2023 00:10	8.5	281	7	11.4	0	26.8	66
01/08/2023 00:20	7.8	277	7	10.7	0	26.7	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/08/2023 00:30	9	279	6	11.8	0	26.7	65
01/08/2023 00:40	8.7	279	7	13	0	26.7	65
01/08/2023 00:50	8.2	281	7	10.8	0	26.7	65
01/08/2023 01:00	9.1	275	7	12.7	0	26.7	65
01/08/2023 01:10	9.1	272	7	11.7	0	26.7	65
01/08/2023 01:20	8.7	271	7	13	0	26.7	65
01/08/2023 01:30	9.2	273	7	11.3	0	26.7	65
01/08/2023 01:40	9.7	277	6	13	0	26.7	64
01/08/2023 01:50	9.1	273	6	12.5	0	26.6	64
01/08/2023 02:00	9.8	272	6	13	0	26.6	64
01/08/2023 02:10	9	271	7	12.1	0	26.6	64
01/08/2023 02:20	9.5	274	6	12.5	0	26.6	64
01/08/2023 02:30	9.5	270	6	13	0	26.5	64
01/08/2023 02:40	9.7	268	7	12.5	0	26.6	64
01/08/2023 02:50	9.7	266	5	13	0	26.5	64
01/08/2023 03:00	9.3	269	6	12	0	26.5	64
01/08/2023 03:10	9.2	270	5	12.7	0	26.5	64
01/08/2023 03:20	9.4	271	5	12	0	26.5	64
01/08/2023 03:30	9.8	268	5	12.5	0	26.5	64
01/08/2023 03:40	9.5	268	6	12.7	0	26.4	64
01/08/2023 03:50	8.8	265	6	11.2	0	26.4	64
01/08/2023 04:00	9.4	268	5	12.2	0	26.4	64
01/08/2023 04:10	9.9	268	6	13.1	0	26.3	63
01/08/2023 04:20	9	269	7	13.1	0	26.3	63
01/08/2023 04:30	8.7	269	6	12.1	0	26.3	63
01/08/2023 04:40	9	270	5	11.9	0	26.2	63
01/08/2023 04:50	9.4	268	6	12.5	0	26.2	63
01/08/2023 05:00	9.6	268	5	12.4	0	26.2	62
01/08/2023 05:10	8.8	267	6	11.6	0	26.1	62
01/08/2023 05:20	8.7	265	7	11.8	0	26.1	62
01/08/2023 05:30	9.3	269	6	12.5	0	26.1	61
01/08/2023 05:40	8.2	269	5	10.8	0	26.1	61
01/08/2023 05:50	8.2	270	5	10.8	0	26.1	61
01/08/2023 06:00	8.8	269	6	11	0	26.1	60
01/08/2023 06:10	8.3	266	5	11.2	0	26.1	60
01/08/2023 06:20	8.3	264	6	11.1	0	26.2	60
01/08/2023 06:30	9.3	264	6	12.3	0	26.3	60
01/08/2023 06:40	8.3	264	7	11	0	26.4	60
01/08/2023 06:50	8.4	262	6	11	0	26.6	61
01/08/2023 07:00	7.9	266	6	10.8	0	26.9	61
01/08/2023 07:10	7.9	265	8	10.3	0	27.2	61
01/08/2023 07:20	8.5	266	6	11.3	0	27.5	62
01/08/2023 07:30	8.7	265	7	11.1	0	27.7	63
01/08/2023 07:40	9.1	266	6	12	0	28.1	63
01/08/2023 07:50	8.7	269	6	10.9	0	28.4	64
01/08/2023 08:00	8.4	272	7	11.1	0	28.5	64
01/08/2023 08:10	8.4	277	7	11.1	0	28.8	64
01/08/2023 08:20	8.7	274	8	11.1	0	28.9	64



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/08/2023 08:30	8.5	273	8	10.8	0	29.2	64
01/08/2023 08:40	8.5	268	7	10.5	0	28.9	64
01/08/2023 08:50	9.1	277	7	11.9	0	29.2	64
01/08/2023 09:00	8.8	272	7	11.6	0	29.4	64
01/08/2023 09:10	8.8	267	7	11.1	0	29.4	64
01/08/2023 09:20	8.6	276	8	11.4	0	29.9	64
01/08/2023 09:30	9.1	280	7	11.5	0	29.6	64
01/08/2023 09:40	8.8	280	7	11	0	29.7	64
01/08/2023 09:50	9	282	6	11.2	0	29.7	64
01/08/2023 10:00	9.6	280	5	11.4	0	29.7	64
01/08/2023 10:10	9.5	280	6	11.6	0	29.8	64
01/08/2023 10:20	9.3	275	7	12.3	0	30.1	64
01/08/2023 10:30	8.8	274	8	11.9	0	30.3	64
01/08/2023 10:40	8.6	286	9	11.7	0	30.5	63
01/08/2023 10:50	9.2	281	6	11.8	0	30.2	64
01/08/2023 11:00	8.2	288	8	10.8	0	30.4	63
01/08/2023 11:10	8.6	283	9	10.9	0	31.1	61
01/08/2023 11:20	8.1	277	8	11.3	0	31.5	60
01/08/2023 11:30	7.5	277	9	10.5	0	32	60
01/08/2023 11:40	7.3	297	10	9	0	31.5	62
01/08/2023 11:50	8	299	7	10.3	0	30.6	65
01/08/2023 12:00	8.4	298	6	10.4	0	30.2	65
01/08/2023 12:10	8.1	288	11	10.5	0	30.7	64
01/08/2023 12:20	7.9	277	12	10.7	0	31.5	63
01/08/2023 12:30	7.4	294	10	10.8	0	31	64
01/08/2023 12:40	7.6	286	11	11.7	0	31.3	63
01/08/2023 12:50	9	283	10	11.9	0	31	62
01/08/2023 13:00	7.1	302	13	10.7	0	31.8	59
01/08/2023 13:10	8.9	314	10	13.4	0	30.1	65
01/08/2023 13:20	8.9	295	11	13.1	0	29.7	65
01/08/2023 13:30	10.5	289	7	14.3	0	29.5	65
01/08/2023 13:40	10.9	296	7	13.8	0	28.8	66
01/08/2023 13:50	10.4	295	7	13.6	0	29.1	66
01/08/2023 14:00	10.5	298	7	13.4	0	29.3	65
01/08/2023 14:10	10.9	296	8	13.6	0	29.2	66
01/08/2023 14:20	11.1	290	7	14.4	0	29.2	65
01/08/2023 14:30	10.7	295	7	14	0	29.4	65
01/08/2023 14:40	10.4	291	8	13	0	30	62
01/08/2023 14:50	10.3	290	9	13.1	0	30.4	60
01/08/2023 15:00	10.8	286	7	14.5	0	30.6	59
01/08/2023 15:10	10.9	287	7	14.2	0	30.2	61
01/08/2023 15:20	10.9	286	7	13.9	0	30.2	61
01/08/2023 15:30	11	286	6	14.3	0	30	62
01/08/2023 15:40	11.7	287	6	14.9	0	29.7	63
01/08/2023 15:50	12	290	7	15.3	0	29.2	64
01/08/2023 16:00	11.4	291	7	15	0	29.1	65
01/08/2023 16:10	11.1	293	7	14.8	0	28.9	65
01/08/2023 16:20	10.3	292	9	13.9	0	29.4	64



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/08/2023 16:30	9.9	290	7	13	0	29.8	63
01/08/2023 16:40	9.7	283	9	12.8	0	30.1	63
01/08/2023 16:50	10.8	275	7	13.8	0	29.7	64
01/08/2023 17:00	10.9	279	7	14.5	0	29.5	64
01/08/2023 17:10	11.3	277	7	15.1	0	29.3	64
01/08/2023 17:20	10.9	278	7	14.9	0	29.3	65
01/08/2023 17:30	11.1	279	6	14.5	0	29.1	65
01/08/2023 17:40	10.6	276	7	14.4	0	28.8	66
01/08/2023 17:50	10.5	277	7	13.7	0	28.6	67
01/08/2023 18:00	9.6	278	8	13.5	0	28.6	67
01/08/2023 18:10	9.3	275	8	12.9	0	28.4	67
01/08/2023 18:20	9.4	275	8	13.9	0	28.2	68
01/08/2023 18:30	10.1	274	6	13.3	0	27.9	68
01/08/2023 18:40	8.9	278	6	12.3	0	27.7	67
01/08/2023 18:50	9	273	6	12	0	27.5	67
01/08/2023 19:00	9.9	275	6	12.5	0	27.4	66
01/08/2023 19:10	9.4	278	6	12	0	27.3	66
01/08/2023 19:20	8.8	279	7	11.9	0	27.3	66
01/08/2023 19:30	9.7	277	6	12.9	0	27.3	65
01/08/2023 19:40	9.1	277	7	12.3	0	27.3	65
01/08/2023 19:50	8.4	278	7	11.5	0	27.3	65
01/08/2023 20:00	9.2	276	6	11.3	0	27.4	65
01/08/2023 20:10	8.4	269	7	12	0	27.5	65
01/08/2023 20:20	9	268	7	12.4	0	27.5	65
01/08/2023 20:30	9.3	269	7	13.4	0	27.5	66
01/08/2023 20:40	9.4	271	6	12.2	0	27.5	66
01/08/2023 20:50	9	275	7	11.8	0	27.4	66
01/08/2023 21:00	9.5	272	7	12.4	0	27.3	66
01/08/2023 21:10	8.4	267	7	11.5	0	27.3	66
01/08/2023 21:20	8.7	269	7	12.8	0	27.2	66
01/08/2023 21:30	8.6	266	7	10.9	0	27.2	66
01/08/2023 21:40	8.6	267	7	11.4	0	27.4	66
01/08/2023 21:50	6.9	268	8	9.6	0	27.5	66
01/08/2023 22:00	7.8	271	7	10.8	0	27.6	66
01/08/2023 22:10	8.1	270	7	11	0	27.6	66
01/08/2023 22:20	7.4	274	7	10.3	0	27.6	66
01/08/2023 22:30	8.2	274	7	11	0	27.6	66
01/08/2023 22:40	7.1	274	9	9.2	0	27.6	66
01/08/2023 22:50	6.9	275	7	9.8	0	27.6	66
01/08/2023 23:00	7.1	278	7	10	0	27.7	66
01/08/2023 23:10	7.7	277	6	10.8	0	27.7	66
01/08/2023 23:20	7	274	7	9.7	0	27.8	66
01/08/2023 23:30	7.5	275	7	10.5	0	27.8	66
01/08/2023 23:40	7.2	277	7	9.3	0	27.9	66
01/08/2023 23:50	7.4	278	7	11.6	0	27.9	67
01/09/2023 00:00	7.8	276	6	10.4	0	27.9	67
01/09/2023 00:10	7.5	279	5	10.4	0	27.9	67
01/09/2023 00:20	7.3	278	5	9.9	0	28	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/09/2023 00:30	7.4	276	6	10	0	27.9	67
01/09/2023 00:40	6.9	271	7	9.5	0	27.9	67
01/09/2023 00:50	7.5	270	6	10.4	0	27.9	67
01/09/2023 01:00	8.1	265	7	10.8	0	28	66
01/09/2023 01:10	6.7	263	5	8.4	0	28	66
01/09/2023 01:20	7.2	264	6	9.3	0	28	67
01/09/2023 01:30	7.5	267	6	10.3	0	27.9	67
01/09/2023 01:40	7.1	266	6	9.6	0	27.9	66
01/09/2023 01:50	6.8	265	6	8.5	0	27.8	67
01/09/2023 02:00	7.3	267	6	9.6	0	27.8	67
01/09/2023 02:10	7.1	269	6	8.8	0	27.7	67
01/09/2023 02:20	6.8	273	5	8.5	0	27.6	67
01/09/2023 02:30	6.8	278	5	9.1	0	27.6	67
01/09/2023 02:40	7.2	282	5	9.5	0	27.6	67
01/09/2023 02:50	6.9	281	5	8.8	0	27.5	67
01/09/2023 03:00	6	283	6	8.5	0	27.5	68
01/09/2023 03:10	6.2	279	5	8.3	0	27.5	68
01/09/2023 03:20	5.9	272	8	8.2	0	27.4	68
01/09/2023 03:30	5.1	265	7	6.9	0	27.4	67
01/09/2023 03:40	5.5	266	7	7.5	0	27.3	67
01/09/2023 03:50	5.7	267	7	7.7	0	27.4	67
01/09/2023 04:00	4.7	266	7	6.4	0	27.2	67
01/09/2023 04:10	4.3	264	8	5.6	0	27.2	67
01/09/2023 04:20	4.7	263	5	6.3	0	27	67
01/09/2023 04:30	4.8	261	5	6	0	26.8	67
01/09/2023 04:40	4.6	258	6	5.8	0	26.7	67
01/09/2023 04:50	4.2	261	6	5.3	0	26.5	67
01/09/2023 05:00	4.1	262	7	5.3	0	26.5	67
01/09/2023 05:10	4.1	257	7	5.9	0	26.4	67
01/09/2023 05:20	3.5	241	14	4.9	0	26.4	66
01/09/2023 05:30	2	203	25	3.4	0	26.2	65
01/09/2023 05:40	3.1	221	14	4.5	0	26.4	65
01/09/2023 05:50	2.6	218	16	4.4	0	26.2	64
01/09/2023 06:00	2.2	196	14	3.2	0	25.9	64
01/09/2023 06:10	2.2	148	25	4.1	0	25.6	66
01/09/2023 06:20	1.4	175	29	2.4	0	25.8	67
01/09/2023 06:30	1.3	192	28	2.5	0.1	25.9	67
01/09/2023 06:40	2.2	137	12	3.1	0	26.6	66
01/09/2023 06:50	2.9	140	14	4.4	0	26.9	66
01/09/2023 07:00	2.4	130	18	4.4	0	27.2	66
01/09/2023 07:10	2.9	138	17	4.6	0	27.3	67
01/09/2023 07:20	3	135	18	5.2	0	27.6	67
01/09/2023 07:30	3	124	18	5	0	28	66
01/09/2023 07:40	3.2	134	20	5.6	0.1	28.1	66
01/09/2023 07:50	3.3	144	17	5.5	0	28.1	67
01/09/2023 08:00	3.5	132	16	5.3	0	28	67
01/09/2023 08:10	3.3	124	18	5.7	0	28.3	67
01/09/2023 08:20	3.4	134	16	5.4	0	28.4	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/09/2023 08:30	3.5	118	16	5.4	0	28.7	67
01/09/2023 08:40	4.3	110	12	6.3	0	29.2	67
01/09/2023 08:50	5.3	117	9	7.3	0	29.1	67
01/09/2023 09:00	5.2	110	12	7.2	0	29.4	67
01/09/2023 09:10	4.9	105	15	7.7	0	29.8	67
01/09/2023 09:20	4.6	94	11	7.3	0	30.3	66
01/09/2023 09:30	6	87	9	8	0	30	66
01/09/2023 09:40	5.8	87	8	8.2	0	30.2	66
01/09/2023 09:50	5	83	10	7	0	30.1	66
01/09/2023 10:00	5.5	83	11	7.2	0	30.8	65
01/09/2023 10:10	6.6	85	8	8.1	0	30.6	65
01/09/2023 10:20	6.9	78	7	8.7	0	30.4	66
01/09/2023 10:30	7	71	7	9	0	30	66
01/09/2023 10:40	6.7	73	8	8.5	0	29.8	66
01/09/2023 10:50	6.1	79	8	7.9	0	30.3	66
01/09/2023 11:00	5.8	83	8	7.7	0	30.7	65
01/09/2023 11:10	5.8	78	11	8.5	0	31.1	64
01/09/2023 11:20	6.2	70	11	8.6	0	30.7	65
01/09/2023 11:30	7.1	72	11	9.2	0	30.4	65
01/09/2023 11:40	5.9	65	12	8.7	0	31.1	64
01/09/2023 11:50	6.3	57	8	8.1	0	30.5	65
01/09/2023 12:00	5.4	70	15	7.1	0	31.3	63
01/09/2023 12:10	5.7	76	12	8	0	31.7	62
01/09/2023 12:20	5.8	75	11	8.4	0	31.3	62
01/09/2023 12:30	5.3	58	10	7	0	30.9	63
01/09/2023 12:40	6	67	11	8.4	0	31.4	61
01/09/2023 12:50	5.9	76	12	8.3	0	32.1	59
01/09/2023 13:00	6	76	11	8.1	0	31.9	60
01/09/2023 13:10	6.2	61	10	8.6	0	32	60
01/09/2023 13:20	7	58	9	9.4	0	31.2	61
01/09/2023 13:30	7.3	61	10	10.3	0	30.7	62
01/09/2023 13:40	7	65	11	8.9	0	30.9	62
01/09/2023 13:50	6.7	66	10	8.9	0	30.6	64
01/09/2023 14:00	5.9	61	11	8.5	0	30.8	64
01/09/2023 14:10	6.3	62	10	9.4	0	31.4	61
01/09/2023 14:20	7.1	63	11	9.7	0	31.2	60
01/09/2023 14:30	6.6	65	9	9.2	0	31.6	58
01/09/2023 14:40	6	63	11	8.2	0	32.8	55
01/09/2023 14:50	6.1	73	9	8.2	0	32.7	56
01/09/2023 15:00	5.8	67	10	8.3	0	32.9	54
01/09/2023 15:10	4.2	56	17	6.5	0	33.7	51
01/09/2023 15:20	5.7	67	10	7.8	0	33.6	52
01/09/2023 15:30	6.2	69	8	7.8	0	33.1	54
01/09/2023 15:40	6.6	70	8	8.2	0	32.7	57
01/09/2023 15:50	6.6	67	8	9.2	0	32.2	60
01/09/2023 16:00	6.2	61	9	7.5	0	32.3	59
01/09/2023 16:10	5.7	43	13	7.6	0	32.8	55
01/09/2023 16:20	6.1	15	11	8.2	0	32.3	60



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/09/2023 16:30	5.5	8	14	7.3	0	32	60
01/09/2023 16:40	5.1	178	9	7.4	0	32.3	58
01/09/2023 16:50	5.1	335	15	8	0	31.7	63
01/09/2023 17:00	5.9	333	9	8.1	0	30.2	67
01/09/2023 17:10	5.6	329	9	7.5	0	30.1	67
01/09/2023 17:20	4.7	327	11	6.6	0	30.1	67
01/09/2023 17:30	3.9	309	17	5.2	0	29.9	67
01/09/2023 17:40	2.4	302	26	4.1	0	30.2	66
01/09/2023 17:50	2.9	304	25	4.7	0	30.6	65
01/09/2023 18:00	3.6	294	18	5	0	30.2	66
01/09/2023 18:10	4.6	282	10	6.2	0	29.9	67
01/09/2023 18:20	3.4	294	16	4.9	0	29.9	66
01/09/2023 18:30	3	292	17	4.8	0	30	65
01/09/2023 18:40	3.7	320	10	4.9	0	29.5	67
01/09/2023 18:50	3.9	325	12	5.3	0	28.9	68
01/09/2023 19:00	3.9	313	9	5.3	0	28.8	68
01/09/2023 19:10	3.3	284	12	4.8	0	28.8	68
01/09/2023 19:20	3.5	287	8	4.7	0	28.7	68
01/09/2023 19:30	3.5	291	10	5	0	28.5	68
01/09/2023 19:40	3.5	282	9	5.1	0	28.7	69
01/09/2023 19:50	4.2	272	10	5.3	0	28.4	69
01/09/2023 20:00	3.1	248	13	4.7	0	28.2	69
01/09/2023 20:10	3.3	255	7	4.2	0	27.9	68
01/09/2023 20:20	2.8	272	11	3.6	0	27.8	68
01/09/2023 20:30	3.2	264	7	4.1	0	27.8	68
01/09/2023 20:40	3	270	8	4.2	0	27.8	68
01/09/2023 20:50	3.1	268	7	4.2	0	27.9	68
01/09/2023 21:00	2.6	252	15	3.5	0	27.9	67
01/09/2023 21:10	1.9	273	14	2.9	0	27.9	67
01/09/2023 21:20	2.7	282	6	3.1	0	27.8	66
01/09/2023 21:30	1.6	255	13	2.1	0	27.7	66
01/09/2023 21:40	1.4	267	18	1.7	0	27.7	66
01/09/2023 21:50	1.1	262	20	1.4	0	27.8	66
01/09/2023 22:00	0.9	318	15	1.4	0	27.7	66
01/09/2023 22:10	0.9	328	11	1.1	0	27.7	66
01/09/2023 22:20	1.3	49	26	2.2	0	27.8	66
01/09/2023 22:30	1.1	216	27	1.6	0	27.7	67
01/09/2023 22:40	1.1	50	12	1.6	0	27.8	67
01/09/2023 22:50	1.5	76	12	2.1	0	27.8	67
01/09/2023 23:00	1.6	53	10	2	0	27.7	67
01/09/2023 23:10	1.6	38	7	2	0	27.6	67
01/09/2023 23:20	1.8	53	6	2.2	0	27.6	67
01/09/2023 23:30	1.4	32	8	1.8	0	27.5	67
01/09/2023 23:40	1.6	60	5	2.1	0	27.6	67
01/09/2023 23:50	1.5	43	7	1.9	0	27.5	67
01/10/2023 00:00	1.5	44	9	1.7	0	27.4	67
01/10/2023 00:10	1.7	37	11	2	0	27.4	67
01/10/2023 00:20	1.4	177	27	1.9	0	27.4	66





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/10/2023 00:30	2.1	280	6	2.8	0	27.3	66
01/10/2023 00:40	2.3	272	6	3.3	0	27.3	66
01/10/2023 00:50	2.6	282	7	3.1	0	27.2	65
01/10/2023 01:00	2.9	276	7	3.6	0	27.1	65
01/10/2023 01:10	3	289	8	3.9	0	27.1	64
01/10/2023 01:20	3.3	288	6	4.2	0	27.1	64
01/10/2023 01:30	3.1	282	8	4.1	0	27	63
01/10/2023 01:40	3.1	273	9	3.9	0	26.9	63
01/10/2023 01:50	2.8	287	8	3.8	0	26.9	62
01/10/2023 02:00	2.9	277	6	3.7	0	26.8	62
01/10/2023 02:10	2.7	274	8	3.5	0	26.8	61
01/10/2023 02:20	2.7	254	12	3.3	0	26.8	60
01/10/2023 02:30	2.3	243	13	3.5	0	26.9	60
01/10/2023 02:40	1.8	250	10	2.5	0	26.8	60
01/10/2023 02:50	2.2	269	5	2.6	0	26.6	61
01/10/2023 03:00	2.4	282	4	2.8	0	26.6	60
01/10/2023 03:10	2.2	277	6	3.1	0	26.6	60
01/10/2023 03:20	2.2	260	10	2.8	0	26.8	59
01/10/2023 03:30	2.4	268	9	3.2	0	26.9	59
01/10/2023 03:40	2.5	278	13	3.4	0	26.8	59
01/10/2023 03:50	1.9	239	21	2.9	0	26.7	59
01/10/2023 04:00	2.4	279	12	3.3	0	26.8	59
01/10/2023 04:10	3.1	286	9	3.9	0	26.8	59
01/10/2023 04:20	3.1	275	9	4	0	26.6	58
01/10/2023 04:30	2.8	282	9	3.6	0	26.5	58
01/10/2023 04:40	3.1	287	8	4.2	0	26.4	58
01/10/2023 04:50	3.2	281	7	4.2	0	26.3	57
01/10/2023 05:00	3.1	282	7	3.9	0	26.2	57
01/10/2023 05:10	2.8	288	8	4	0	26.1	57
01/10/2023 05:20	3.4	296	6	4.2	0	26.1	57
01/10/2023 05:30	2.9	293	7	3.7	0	26	56
01/10/2023 05:40	2.6	287	7	3.6	0	26	56
01/10/2023 05:50	2.6	282	9	3.4	0	26	56
01/10/2023 06:00	2.7	290	9	3.6	0	26.1	56
01/10/2023 06:10	3.2	290	8	4	0	26.1	57
01/10/2023 06:20	2.8	280	9	3.4	0	26.2	57
01/10/2023 06:30	2.8	284	9	3.8	0	26.2	57
01/10/2023 06:40	3.2	286	7	4.1	0	26.2	58
01/10/2023 06:50	3.5	285	9	4.6	0	26.3	58
01/10/2023 07:00	3.4	280	9	4.4	0	26.5	59
01/10/2023 07:10	3.9	279	9	5	0	26.6	59
01/10/2023 07:20	3.4	292	12	4.8	0	26.8	60
01/10/2023 07:30	3.3	280	16	4.5	0	27.1	61
01/10/2023 07:40	3.5	285	12	4.8	0	27.2	62
01/10/2023 07:50	3.7	276	16	4.8	0	27.4	62
01/10/2023 08:00	3.4	283	12	4.5	0	27.6	62
01/10/2023 08:10	3.2	279	23	4.3	0	27.9	63
01/10/2023 08:20	3.2	271	15	5.3	0	28	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/10/2023 08:30	3.1	281	15	5	0	28	63
01/10/2023 08:40	3.4	264	17	5.5	0	28.2	63
01/10/2023 08:50	3.3	270	15	4.5	0	28.3	64
01/10/2023 09:00	3.4	272	13	5.6	0	28.5	63
01/10/2023 09:10	3.1	268	22	5.6	0	28.7	64
01/10/2023 09:20	3	267	14	4.7	0	28.6	64
01/10/2023 09:30	3.1	275	19	6	0	28.7	64
01/10/2023 09:40	3.4	269	17	4.9	0	29	64
01/10/2023 09:50	3.7	258	18	5.9	0	28.9	64
01/10/2023 10:00	3.4	280	18	5.8	0	28.7	64
01/10/2023 10:10	3.4	272	19	4.9	0	28.8	64
01/10/2023 10:20	3.3	285	19	4.7	0	29.3	64
01/10/2023 10:30	3.4	287	22	6.7	0	29.5	63
01/10/2023 10:40	3.4	300	18	5.5	0	29.6	63
01/10/2023 10:50	3.5	296	28	5.4	0	29.7	63
01/10/2023 11:00	3.5	301	23	6.3	0	29.3	64
01/10/2023 11:10	3.8	298	18	5.9	0	29.8	64
01/10/2023 11:20	4.2	284	15	6.5	0	30	63
01/10/2023 11:30	4.1	303	18	6.6	0	29.9	63
01/10/2023 11:40	3.7	300	18	5.7	0	29.7	64
01/10/2023 11:50	4	301	17	6.4	0	30.2	63
01/10/2023 12:00	3.5	302	18	5.5	0	30.2	63
01/10/2023 12:10	3.9	286	17	6	0	30.3	63
01/10/2023 12:20	3.8	293	13	5.9	0	30.1	63
01/10/2023 12:30	4	295	10	6.2	0	30	63
01/10/2023 12:40	3.7	289	14	5.7	0	30.6	62
01/10/2023 12:50	4.3	286	12	6.3	0	30.6	62
01/10/2023 13:00	4.6	277	15	6.8	0	30.7	62
01/10/2023 13:10	4	301	21	6.5	0	31	61
01/10/2023 13:20	4.1	293	17	6.6	0	30.9	62
01/10/2023 13:30	3.9	309	16	5.7	0	30.9	62
01/10/2023 13:40	4.5	310	12	6.5	0	31	61
01/10/2023 13:50	4.4	319	12	6.4	0	31.1	61
01/10/2023 14:00	4.5	314	14	6.5	0	31.3	61
01/10/2023 14:10	5	315	12	6.7	0	31	61
01/10/2023 14:20	4.6	321	14	6.8	0	30.6	62
01/10/2023 14:30	3.9	314	14	6	0	31.3	61
01/10/2023 14:40	4.4	289	18	6.6	0	31.7	59
01/10/2023 14:50	4.6	299	14	6.9	0	31.6	60
01/10/2023 15:00	4.3	305	20	6.6	0	31.8	59
01/10/2023 15:10	5.2	283	13	7.8	0	31.8	60
01/10/2023 15:20	6.4	280	9	8.4	0	31.2	61
01/10/2023 15:30	6.7	280	7	8.9	0	30.9	62
01/10/2023 15:40	5.2	291	14	7.3	0	31.9	60
01/10/2023 15:50	5.1	299	14	7.7	0	32	60
01/10/2023 16:00	5.7	293	12	8.2	0	31.5	62
01/10/2023 16:10	5.6	296	11	8	0	31.4	62
01/10/2023 16:20	5.4	306	12	8.5	0	31.2	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/10/2023 16:30	5.7	300	12	8.5	0	30.9	63
01/10/2023 16:40	7	290	9	9.7	0	30.4	64
01/10/2023 16:50	7.1	289	8	9.2	0	30.5	64
01/10/2023 17:00	7.6	290	7	10.2	0	30.1	65
01/10/2023 17:10	7.6	290	6	9.4	0	30.2	65
01/10/2023 17:20	7.4	292	7	9.3	0	29.9	66
01/10/2023 17:30	7.2	289	7	8.9	0	30	66
01/10/2023 17:40	7.2	289	7	9	0	29.7	66
01/10/2023 17:50	6.7	290	10	9.2	0	29.5	66
01/10/2023 18:00	5.8	302	12	8.6	0	29.4	66
01/10/2023 18:10	6.3	295	10	8.3	0	29	66
01/10/2023 18:20	6.2	296	11	9.1	0	28.7	65
01/10/2023 18:30	6.7	294	8	9.4	0	28.4	65
01/10/2023 18:40	6.7	287	7	9.1	0	28.1	65
01/10/2023 18:50	8	288	5	10.2	0	27.8	65
01/10/2023 19:00	7.2	289	7	10.5	0	27.5	64
01/10/2023 19:10	6.6	287	7	9.1	0	27.4	64
01/10/2023 19:20	6.9	291	7	8.6	0	27.2	64
01/10/2023 19:30	6.6	289	7	9.1	0	27.2	64
01/10/2023 19:40	6.7	289	8	8.7	0	27.2	64
01/10/2023 19:50	7.4	287	6	10	0	27.2	64
01/10/2023 20:00	8.2	289	6	10.6	0	27.1	64
01/10/2023 20:10	7.8	284	7	10.7	0	27.1	64
01/10/2023 20:20	7.9	285	9	10.6	0	27.1	64
01/10/2023 20:30	7.5	289	9	10.3	0	27.1	64
01/10/2023 20:40	7.5	291	6	10.7	0	27	64
01/10/2023 20:50	7.4	287	8	10	0	26.9	63
01/10/2023 21:00	6.9	284	8	10	0	26.8	63
01/10/2023 21:10	6.7	281	7	10.2	0	26.9	63
01/10/2023 21:20	7.9	280	7	10.2	0	26.8	62
01/10/2023 21:30	7.7	275	8	10.8	0	26.8	62
01/10/2023 21:40	7.7	277	7	10.3	0	26.8	61
01/10/2023 21:50	7.7	278	7	9.6	0	26.8	60
01/10/2023 22:00	7.4	274	9	11	0	26.8	59
01/10/2023 22:10	7.3	276	7	9.6	0	26.8	59
01/10/2023 22:20	7.4	276	6	10.5	0	26.9	59
01/10/2023 22:30	6.6	272	7	8.5	0	26.9	58
01/10/2023 22:40	6.7	273	8	9	0	26.9	59
01/10/2023 22:50	6.8	277	7	8.7	0	26.7	59
01/10/2023 23:00	6.5	276	8	8.5	0	26.9	60
01/10/2023 23:10	6.2	280	7	8.4	0	26.9	60
01/10/2023 23:20	6.5	281	6	8.9	0	26.8	60
01/10/2023 23:30	5.9	279	8	7.8	0	26.7	60
01/10/2023 23:40	6.8	276	7	9.2	0	26.7	60
01/10/2023 23:50	6.5	278	7	8.6	0	26.7	60
01/11/2023 00:00	6.2	282	7	8.6	0	26.6	59
01/11/2023 00:10	6.7	279	8	9	0	26.6	59
01/11/2023 00:20	6.4	278	7	8.8	0	26.6	59



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/11/2023 00:30	5.9	282	7	8.1	0	26.5	59
01/11/2023 00:40	5.3	282	7	8	0	26.5	58
01/11/2023 00:50	5.5	285	8	7.7	0	26.4	58
01/11/2023 01:00	5.7	291	7	7.5	0	26.3	58
01/11/2023 01:10	5.7	287	8	7.4	0	26.2	58
01/11/2023 01:20	6.2	285	7	8.8	0	26.2	57
01/11/2023 01:30	6.3	287	7	8.5	0	26.2	57
01/11/2023 01:40	6.3	285	8	8.5	0	26.2	57
01/11/2023 01:50	5.4	285	9	7.4	0	26.3	56
01/11/2023 02:00	6.1	290	6	8	0	26.3	56
01/11/2023 02:10	6.2	291	7	8.4	0	26.3	55
01/11/2023 02:20	5	288	8	6.5	0	26.3	55
01/11/2023 02:30	4.2	289	10	6.2	0	26.3	55
01/11/2023 02:40	4.9	298	7	6.4	0	26.4	54
01/11/2023 02:50	5.4	297	7	7.4	0	26.4	54
01/11/2023 03:00	4.7	295	7	6.4	0	26.4	54
01/11/2023 03:10	5	298	7	6.6	0	26.4	53
01/11/2023 03:20	5	297	7	6.9	0	26.5	53
01/11/2023 03:30	5.4	297	7	6.9	0	26.7	53
01/11/2023 03:40	5	298	8	6.7	0	26.6	53
01/11/2023 03:50	5.3	297	8	6.9	0	26.7	52
01/11/2023 04:00	5.4	297	6	6.9	0	26.7	52
01/11/2023 04:10	4.6	300	9	6.4	0	26.8	52
01/11/2023 04:20	4.6	302	8	6.1	0	26.8	51
01/11/2023 04:30	4.9	300	7	6.7	0	26.9	51
01/11/2023 04:40	4.1	293	8	5.9	0	27	51
01/11/2023 04:50	4.4	289	6	5.7	0	27	52
01/11/2023 05:00	3.5	274	8	4.8	0	26.7	52
01/11/2023 05:10	3	258	7	3.9	0	26.5	54
01/11/2023 05:20	3.2	266	5	4	0	26.5	56
01/11/2023 05:30	2.8	262	7	3.7	0	26.5	58
01/11/2023 05:40	2.8	261	5	3.6	0	26.5	59
01/11/2023 05:50	3.1	256	4	3.7	0	26.3	59
01/11/2023 06:00	3.4	258	6	4	0	26.2	60
01/11/2023 06:10	3.4	255	5	4	0	26.3	61
01/11/2023 06:20	3.4	257	6	4.8	0	26.6	61
01/11/2023 06:30	3.9	259	7	5.8	0	27.1	62
01/11/2023 06:40	4.3	253	7	6.2	0	27.5	62
01/11/2023 06:50	4.4	250	8	5.9	0	27.6	62
01/11/2023 07:00	4.4	253	8	5.8	0	28	62
01/11/2023 07:10	4.9	253	8	6.3	0	28.2	61
01/11/2023 07:20	3.3	230	12	4.7	0	28.5	60
01/11/2023 07:30	2.7	225	14	3.5	0	28.7	60
01/11/2023 07:40	2.6	223	17	3.8	0	29	59
01/11/2023 07:50	2.7	227	14	4.1	0	29.3	58
01/11/2023 08:00	2.6	222	15	3.9	0	29.5	59
01/11/2023 08:10	2	225	13	3	0	30	58
01/11/2023 08:20	1.9	198	27	3.9	0	30.7	56



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/11/2023 08:30	2.3	149	31	4	0	31.3	55
01/11/2023 08:40	2.4	131	22	4.1	0	31.6	54
01/11/2023 08:50	2.7	116	11	4.2	0	31.6	55
01/11/2023 09:00	3	123	10	4.9	0	31.5	55
01/11/2023 09:10	3.2	121	12	4.5	0	31.1	57
01/11/2023 09:20	2.9	126	16	4.3	0	31	57
01/11/2023 09:30	3.4	123	17	5.2	0	31.1	57
01/11/2023 09:40	3.1	116	16	4.6	0	31.5	56
01/11/2023 09:50	3	117	17	4.6	0	31.9	54
01/11/2023 10:00	2.4	93	24	3.9	0	32.4	52
01/11/2023 10:10	2.4	77	25	4.3	0	32	55
01/11/2023 10:20	2.6	66	14	4.2	0	32.4	56
01/11/2023 10:30	2.4	84	32	4.3	0	33	54
01/11/2023 10:40	2.7	76	25	4.6	0	33.6	53
01/11/2023 10:50	3.6	83	13	5.5	0	33.4	53
01/11/2023 11:00	3.2	81	18	5.3	0	33	55
01/11/2023 11:10	4.2	67	11	5.7	0	33.2	54
01/11/2023 11:20	4.2	61	10	6.3	0	32.6	57
01/11/2023 11:30	4.4	63	14	5.8	0	32.6	55
01/11/2023 11:40	4.2	66	14	5.6	0	32.9	56
01/11/2023 11:50	3.8	57	15	5.6	0	32.9	58
01/11/2023 12:00	4.1	64	13	5.7	0	33.1	56
01/11/2023 12:10	4.7	64	10	6.4	0	33.4	55
01/11/2023 12:20	4.4	70	11	6.2	0	33.7	55
01/11/2023 12:30	4.1	62	15	6.5	0	34.2	54
01/11/2023 12:40	3.8	62	12	5.3	0	34.4	53
01/11/2023 12:50	4	65	12	5.5	0	35	52
01/11/2023 13:00	3.9	58	19	6.3	0	35.4	51
01/11/2023 13:10	3.6	18	21	6	0	35.4	51
01/11/2023 13:20	4.6	342	15	6.5	0	34.8	53
01/11/2023 13:30	5	331	12	6.7	0	34.5	52
01/11/2023 13:40	4.6	328	15	6.2	0	34.4	53
01/11/2023 13:50	4.3	9	12	6.3	0	34.5	52
01/11/2023 14:00	4.1	11	14	5.8	0	34.8	52
01/11/2023 14:10	4.7	344	12	7.2	0	34.5	52
01/11/2023 14:20	5	338	12	7	0	33.7	54
01/11/2023 14:30	4.9	347	13	7.1	0	33.8	54
01/11/2023 14:40	5.5	340	12	7.3	0	34.1	54
01/11/2023 14:50	5.5	338	16	7.9	0	33.7	57
01/11/2023 15:00	5	327	13	7.7	0	33.5	59
01/11/2023 15:10	5.9	322	11	7.8	0	32.5	62
01/11/2023 15:20	6.3	317	10	9	0	32	63
01/11/2023 15:30	6.2	321	10	8.3	0	31.8	62
01/11/2023 15:40	6.2	317	10	8.3	0	32	61
01/11/2023 15:50	5.5	313	12	8	0	32.1	61
01/11/2023 16:00	5.6	312	13	8.2	0	32.2	60
01/11/2023 16:10	5.3	308	12	8.5	0	32	61
01/11/2023 16:20	5.5	305	11	8	0	32	61



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/11/2023 16:30	5.7	304	12	7.8	0	31.7	61
01/11/2023 16:40	5.6	301	11	7.6	0	31.8	60
01/11/2023 16:50	5.7	306	11	7.9	0	32	59
01/11/2023 17:00	5.4	304	9	7.4	0	32.2	58
01/11/2023 17:10	5.3	286	10	6.6	0	32.7	56
01/11/2023 17:20	6	275	10	7.9	0	32.1	60
01/11/2023 17:30	6.3	273	8	8.2	0	31.5	63
01/11/2023 17:40	6.8	267	8	8.6	0	31.3	63
01/11/2023 17:50	6.3	268	9	8.1	0	31.3	63
01/11/2023 18:00	6.8	267	7	8.9	0	31.2	62
01/11/2023 18:10	7	267	7	9.3	0	30.7	63
01/11/2023 18:20	6.7	270	7	8.7	0	30.5	63
01/11/2023 18:30	6.7	274	7	8.4	0	30.5	62
01/11/2023 18:40	5.9	271	7	7.6	0	30.4	62
01/11/2023 18:50	6.1	275	8	7.8	0	30.3	62
01/11/2023 19:00	5.9	271	6	7.8	0	30.3	62
01/11/2023 19:10	5.1	269	8	6.7	0	30.3	62
01/11/2023 19:20	4.8	262	9	6.3	0	30.3	62
01/11/2023 19:30	4.8	269	7	6.7	0	30.4	60
01/11/2023 19:40	4.9	267	7	6.4	0	30.4	59
01/11/2023 19:50	5.1	268	6	6.7	0	30.2	62
01/11/2023 20:00	5.4	270	5	6.7	0	30	64
01/11/2023 20:10	4.9	266	6	6.3	0	30	65
01/11/2023 20:20	5.7	260	6	7.6	0	29.9	65
01/11/2023 20:30	5	263	7	6	0	29.9	65
01/11/2023 20:40	5.8	262	5	7.2	0	29.8	65
01/11/2023 20:50	5.7	263	6	7.9	0	29.8	66
01/11/2023 21:00	5.4	265	6	7.6	0	29.7	66
01/11/2023 21:10	5.6	267	5	7.1	0	29.7	65
01/11/2023 21:20	4.6	267	5	6.1	0	29.7	65
01/11/2023 21:30	4.7	268	5	5.8	0	29.8	64
01/11/2023 21:40	4.4	268	6	5.8	0	29.9	63
01/11/2023 21:50	4.6	266	5	6	0	29.9	64
01/11/2023 22:00	4.8	269	4	5.9	0	29.9	64
01/11/2023 22:10	4.2	268	4	5.3	0	29.9	64
01/11/2023 22:20	4.5	264	5	5.6	0	29.9	63
01/11/2023 22:30	4.5	265	6	6.4	0	30	64
01/11/2023 22:40	4.8	260	7	6.5	0	30	63
01/11/2023 22:50	4.7	262	6	6.5	0	29.9	63
01/11/2023 23:00	4.7	260	7	6.3	0	29.9	63
01/11/2023 23:10	5.3	258	6	6.6	0	29.9	62
01/11/2023 23:20	5	261	6	6.8	0	29.8	63
01/11/2023 23:30	5.4	260	6	7.5	0	29.7	63
01/11/2023 23:40	5.5	263	5	6.8	0	29.6	63
01/11/2023 23:50	5.2	267	5	7	0	29.5	65
01/12/2023 00:00	5.4	263	5	6.9	0	29.3	65
01/12/2023 00:10	5.3	266	6	6.8	0	29.3	64
01/12/2023 00:20	5.7	268	5	7.4	0	29.3	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/12/2023 00:30	5.3	271	4	6.6	0	29.2	65
01/12/2023 00:40	5.1	274	5	6.3	0	29	65
01/12/2023 00:50	4.4	281	6	5.8	0	29	64
01/12/2023 01:00	4.6	277	7	5.9	0	28.9	64
01/12/2023 01:10	4.1	268	5	5	0	28.9	63
01/12/2023 01:20	4.2	265	6	5.3	0	28.9	62
01/12/2023 01:30	5.2	259	6	6.9	0	29.5	57
01/12/2023 01:40	5.3	247	10	7.2	0	30.7	49
01/12/2023 01:50	5.7	243	9	8.2	0	31.7	45
01/12/2023 02:00	5.8	250	7	7.8	0	31.4	46
01/12/2023 02:10	4.8	243	10	6.6	0	31.1	48
01/12/2023 02:20	5.8	250	8	8.4	0	30.9	47
01/12/2023 02:30	6.1	253	7	8	0	30.6	48
01/12/2023 02:40	5.9	252	8	8	0	30.3	50
01/12/2023 02:50	6.5	251	9	8.8	0	30.3	50
01/12/2023 03:00	6.4	251	8	8.6	0	30.5	48
01/12/2023 03:10	6.8	253	7	9.7	0	30.4	47
01/12/2023 03:20	6.7	251	8	9.4	0	30.7	45
01/12/2023 03:30	6.9	252	9	9.4	0	31	43
01/12/2023 03:40	6.8	253	8	9.9	0	30.7	44
01/12/2023 03:50	6.7	250	8	9	0	30.4	46
01/12/2023 04:00	6.9	252	7	9.2	0	30.2	47
01/12/2023 04:10	7	252	7	9	0	29.9	48
01/12/2023 04:20	6.2	253	7	8.5	0	29.5	48
01/12/2023 04:30	6.4	253	7	8.8	0	29.5	46
01/12/2023 04:40	6.5	252	7	9.3	0	29.5	45
01/12/2023 04:50	6.6	253	8	9	0	29.5	44
01/12/2023 05:00	6.6	255	8	9.4	0	29.3	43
01/12/2023 05:10	6.7	255	5	8.6	0	29.2	43
01/12/2023 05:20	6.4	256	6	8.7	0	29	43
01/12/2023 05:30	6.3	258	5	8.1	0	28.7	44
01/12/2023 05:40	6.3	258	5	8.2	0	28.6	44
01/12/2023 05:50	5.5	259	6	7.4	0	28.5	44
01/12/2023 06:00	5	264	6	6.6	0	28.4	44
01/12/2023 06:10	4.8	268	6	6	0	28.4	45
01/12/2023 06:20	5.3	268	6	6.9	0	28.6	44
01/12/2023 06:30	5.3	269	6	6.6	0	29	43
01/12/2023 06:40	5.5	263	7	7.4	0	29.3	43
01/12/2023 06:50	5.4	265	6	6.9	0	29.6	42
01/12/2023 07:00	5.2	270	8	6.8	0	30.1	41
01/12/2023 07:10	4.1	267	9	5.5	0	30.7	40
01/12/2023 07:20	3.3	255	12	4.9	0	31.5	37
01/12/2023 07:30	3.7	249	14	5.1	0	32.4	34
01/12/2023 07:40	3.7	235	15	5.5	0	32.6	34
01/12/2023 07:50	3.6	227	14	5.3	0	32.6	35
01/12/2023 08:00	3	225	16	5	0	33	35
01/12/2023 08:10	2.7	228	12	3.9	0	33.4	35
01/12/2023 08:20	1.8	178	26	3.7	0	34.4	31



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/12/2023 08:30	2.4	172	19	4.5	0	34.8	29
01/12/2023 08:40	3.1	131	18	4.7	0	35.4	29
01/12/2023 08:50	2.8	111	16	4.1	0	35.4	30
01/12/2023 09:00	3	108	17	4.3	0	35.6	29
01/12/2023 09:10	2.9	125	18	4.2	0	35.9	28
01/12/2023 09:20	3.1	84	14	4.4	0	35.6	28
01/12/2023 09:30	3	91	19	4.3	0	35.4	29
01/12/2023 09:40	2.9	89	21	4.7	0	35.9	28
01/12/2023 09:50	3.4	76	12	5.3	0	35.8	29
01/12/2023 10:00	3.7	77	14	6.3	0	35.7	31
01/12/2023 10:10	3.6	57	12	5.6	0	36	32
01/12/2023 10:20	3.2	56	16	4.6	0	36.1	33
01/12/2023 10:30	3.4	52	13	5.1	0	36.4	35
01/12/2023 10:40	3.7	57	11	5.7	0	36.3	37
01/12/2023 10:50	4.5	59	10	6.3	0	36.2	39
01/12/2023 11:00	6.1	45	11	7.9	0	36.1	41
01/12/2023 11:10	5.6	50	10	7.9	0	36.4	42
01/12/2023 11:20	5.7	51	9	8.8	0	36.5	42
01/12/2023 11:30	5.6	52	12	7.6	0	36.7	42
01/12/2023 11:40	5.4	45	10	7.7	0	37.3	41
01/12/2023 11:50	5.6	36	11	7.7	0	37.6	38
01/12/2023 12:00	4.6	45	10	7.4	0	37.9	38
01/12/2023 12:10	4.8	49	14	7.5	0	38.1	37
01/12/2023 12:20	5.2	60	12	7.9	0	38.3	35
01/12/2023 12:30	5.2	50	10	7.5	0	38.3	35
01/12/2023 12:40	4.6	43	17	7.4	0	38.9	33
01/12/2023 12:50	4.9	54	14	8	0	39.5	30
01/12/2023 13:00	6.2	59	8	8.5	0	39.4	29
01/12/2023 13:10	6.1	59	9	9	0	39.8	28
01/12/2023 13:20	6.6	59	9	9.5	0	40.4	24
01/12/2023 13:30	7.9	59	9	10.7	0	40.5	19
01/12/2023 13:40	6.6	49	12	9.5	0	41.6	17
01/12/2023 13:50	7.1	48	12	10.6	0	41.9	15
01/12/2023 14:00	7.9	60	10	10.2	0	41.9	13
01/12/2023 14:10	6.9	40	12	9.9	0	41.6	18
01/12/2023 14:20	6.7	8	8	8.5	0	40.1	26
01/12/2023 14:30	5.7	14	12	8	0	40.1	27
01/12/2023 14:40	5.7	6	10	7.6	0	39.9	30
01/12/2023 14:50	5	356	13	6.8	0	38.3	36
01/12/2023 15:00	5.1	355	12	7.2	0	38	36
01/12/2023 15:10	5	353	12	6.9	0	38.3	34
01/12/2023 15:20	5.5	356	13	7.8	0	37.9	34
01/12/2023 15:30	6.2	354	11	8.1	0	38	32
01/12/2023 15:40	6.2	347	12	8.6	0	37.7	33
01/12/2023 15:50	6.2	341	11	8.7	0	37.5	33
01/12/2023 16:00	6.2	339	12	8.9	0	37.7	33
01/12/2023 16:10	6.6	335	10	9	0	37.4	34
01/12/2023 16:20	7.4	338	9	9.7	0	36.7	35





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/12/2023 16:30	7.1	335	10	9.7	0	36.4	35
01/12/2023 16:40	7.2	337	10	9.9	0	36.8	33
01/12/2023 16:50	7.2	342	9	10.4	0	36.5	32
01/12/2023 17:00	7.4	329	12	10.8	0	36.4	33
01/12/2023 17:10	7	296	9	10.2	0	36.1	33
01/12/2023 17:20	5.6	302	14	8.1	0	36.6	31
01/12/2023 17:30	6.9	295	9	9.9	0	36.6	30
01/12/2023 17:40	6.1	298	13	9.2	0	36.7	29
01/12/2023 17:50	5.9	280	10	8.5	0	36.4	38
01/12/2023 18:00	8	269	5	10	0	34.9	45
01/12/2023 18:10	7.4	271	6	9.1	0	34.9	43
01/12/2023 18:20	7.3	272	6	9	0	35.1	40
01/12/2023 18:30	7	271	6	9.3	0	35	40
01/12/2023 18:40	7.1	272	6	9.1	0	34	48
01/12/2023 18:50	7.2	270	6	9	0	32.9	56
01/12/2023 19:00	6.2	271	7	8.8	0	32.3	61
01/12/2023 19:10	6.5	272	6	8.1	0	31.8	63
01/12/2023 19:20	6.3	269	7	8	0	31.6	64
01/12/2023 19:30	5.5	272	7	7	0	31.3	67
01/12/2023 19:40	6.2	267	5	8.1	0	31.1	67
01/12/2023 19:50	5.2	273	6	6.9	0	31	68
01/12/2023 20:00	5.8	269	5	7.2	0	31	67
01/12/2023 20:10	5.2	272	7	6.7	0	30.9	68
01/12/2023 20:20	5.7	270	7	7.6	0	30.8	68
01/12/2023 20:30	6.3	272	6	8.1	0	30.8	68
01/12/2023 20:40	6.1	268	6	7.6	0	30.7	68
01/12/2023 20:50	6.4	268	5	8.4	0	30.7	67
01/12/2023 21:00	5.6	268	5	7.2	0	30.8	66
01/12/2023 21:10	6	267	7	8.5	0	31	65
01/12/2023 21:20	5.3	264	6	7.1	0	31.1	63
01/12/2023 21:30	5.8	265	6	7.6	0	31.2	62
01/12/2023 21:40	5.9	266	6	7.3	0	31.1	62
01/12/2023 21:50	5.9	267	6	8	0	31.1	62
01/12/2023 22:00	5.5	269	6	7.2	0	31.2	61
01/12/2023 22:10	5.1	265	6	7.1	0	31.2	61
01/12/2023 22:20	5.4	266	6	7	0	31.1	62
01/12/2023 22:30	5.7	269	5	7.2	0	31.1	62
01/12/2023 22:40	5.9	267	6	7.6	0	31.2	60
01/12/2023 22:50	5.4	268	6	7	0	31.3	59
01/12/2023 23:00	5.6	261	6	7.6	0	31.3	56
01/12/2023 23:10	6	260	6	8.2	0	31.3	55
01/12/2023 23:20	6.2	258	6	8	0	31.1	57
01/12/2023 23:30	5.9	259	5	7.1	0	31	59
01/12/2023 23:40	5.9	258	5	7.6	0	30.8	60
01/12/2023 23:50	5.8	258	6	7.9	0	30.8	61
13/01/2023 00:00	6.6	259	6	8.5	0	30.9	62
13/01/2023 00:10	5.9	257	5	7.2	0	30.8	63
13/01/2023 00:20	6.1	257	5	7.5	0	30.9	58



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/01/2023 00:30	6.2	255	7	8.4	0	31.4	51
13/01/2023 00:40	6.3	255	7	8.5	0	31.8	46
13/01/2023 00:50	7	256	7	9.2	0	32	43
13/01/2023 01:00	7.1	254	7	9.4	0	32	42
13/01/2023 01:10	7.1	254	7	9.5	0	32	42
13/01/2023 01:20	7	252	7	9.4	0	31.9	42
13/01/2023 01:30	6.8	255	6	8.8	0	31.6	44
13/01/2023 01:40	6.6	254	7	8.6	0	31.3	44
13/01/2023 01:50	6.9	258	7	9	0	31.1	45
13/01/2023 02:00	7	257	6	8.6	0	31	46
13/01/2023 02:10	6.7	257	7	8.6	0	30.8	47
13/01/2023 02:20	6.6	256	7	9	0	30.6	47
13/01/2023 02:30	6.4	257	6	8	0	30.4	48
13/01/2023 02:40	6.9	259	5	9.3	0	30.4	48
13/01/2023 02:50	6.7	256	6	9.4	0	30.3	48
13/01/2023 03:00	6.8	257	6	8.7	0	30.3	48
13/01/2023 03:10	6.4	257	6	8	0	30.1	48
13/01/2023 03:20	6.5	258	6	8	0	30	48
13/01/2023 03:30	5.9	258	6	7.4	0	29.9	48
13/01/2023 03:40	5.9	259	5	7.2	0	29.8	47
13/01/2023 03:50	5.9	259	5	7.6	0	29.7	47
13/01/2023 04:00	5.5	256	6	6.9	0	29.6	47
13/01/2023 04:10	5.2	255	6	6.4	0	29.4	46
13/01/2023 04:20	5.4	256	5	6.5	0	29.3	46
13/01/2023 04:30	5.2	255	5	6.4	0	29.3	45
13/01/2023 04:40	4.8	255	5	5.7	0	29.2	45
13/01/2023 04:50	4.7	256	6	5.9	0	29.3	44
13/01/2023 05:00	4.8	258	5	5.8	0	29.2	43
13/01/2023 05:10	4.7	256	6	5.9	0	29.1	43
13/01/2023 05:20	4.4	257	5	5.2	0	29.1	42
13/01/2023 05:30	3.6	257	7	4.6	0	29.1	40
13/01/2023 05:40	3.2	250	12	5.1	0	29.3	38
13/01/2023 05:50	2.9	245	13	4.4	0	30	36
13/01/2023 06:00	3.5	240	13	5.3	0	30.7	35
13/01/2023 06:10	4	237	14	6.1	0	31.7	34
13/01/2023 06:20	3.3	238	13	5.4	0	31.8	33
13/01/2023 06:30	3.6	232	12	5.7	0	32.2	35
13/01/2023 06:40	3.6	235	10	5.4	0	32.6	34
13/01/2023 06:50	2.7	237	19	3.8	0	32.8	32
13/01/2023 07:00	2.8	240	11	3.9	0	33.2	31
13/01/2023 07:10	3.3	230	12	4.9	0	33.5	32
13/01/2023 07:20	1.7	230	17	3.2	0	34.1	32
13/01/2023 07:30	2.4	239	14	3.7	0	34.9	28
13/01/2023 07:40	1.8	225	16	3	0	35.2	28
13/01/2023 07:50	1.8	212	24	3.4	0	35.9	26
13/01/2023 08:00	2.7	191	18	4.5	0	36.4	22
13/01/2023 08:10	2.7	191	19	4.4	0	36.5	22
13/01/2023 08:20	2.5	173	19	3.7	0	36.6	22



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/01/2023 08:30	2.8	182	17	4.6	0	36.9	21
13/01/2023 08:40	2.2	148	26	4.3	0	38.1	20
13/01/2023 08:50	3.2	112	11	5	0	38.2	20
13/01/2023 09:00	2.7	91	13	3.9	0	38	21
13/01/2023 09:10	2.9	82	12	4.2	0	37.6	21
13/01/2023 09:20	3.4	99	17	5	0	38.2	20
13/01/2023 09:30	3	94	14	4.3	0	38.2	20
13/01/2023 09:40	2.7	98	20	4.1	0	38.5	19
13/01/2023 09:50	3.4	89	13	4.6	0	38.6	21
13/01/2023 10:00	3.5	98	19	5.2	0	38.2	25
13/01/2023 10:10	3.1	73	17	5.1	0	38.8	23
13/01/2023 10:20	3.5	76	13	5.8	0	39.2	23
13/01/2023 10:30	3.6	52	16	5.6	0	38.5	24
13/01/2023 10:40	3.7	58	16	5.6	0	38.1	27
13/01/2023 10:50	3.9	57	10	5.7	0	37.6	31
13/01/2023 11:00	4.2	64	10	6.1	0	38.1	31
13/01/2023 11:10	4.6	51	10	6.5	0	38.2	33
13/01/2023 11:20	4.2	65	12	6.1	0	39.1	30
13/01/2023 11:30	4.7	64	12	6.3	0	39.3	29
13/01/2023 11:40	4.9	61	10	6.9	0	39.5	27
13/01/2023 11:50	6.1	57	10	8.2	0	39.4	27
13/01/2023 12:00	6.1	50	9	8.3	0	39.2	28
13/01/2023 12:10	6	50	9	8.1	0	39.5	28
13/01/2023 12:20	5.7	56	11	8.1	0	39	29
13/01/2023 12:30	6.3	55	8	8.8	0	39	29
13/01/2023 12:40	6.4	43	10	9	0	39.8	29
13/01/2023 12:50	7.1	54	11	10.2	0	39.8	27
13/01/2023 13:00	6.4	30	12	8.5	0	40.2	29
13/01/2023 13:10	6.1	12	8	7.9	0	39.5	33
13/01/2023 13:20	5.7	14	9	7.6	0	39.4	35
13/01/2023 13:30	5.7	11	10	7.5	0	38.6	39
13/01/2023 13:40	6.1	9	9	7.6	0	38.4	41
13/01/2023 13:50	5.9	9	8	7.5	0	38.1	42
13/01/2023 14:00	6.1	7	9	8.3	0	38.4	43
13/01/2023 14:10	6.5	9	10	9	0	38.4	44
13/01/2023 14:20	7.5	356	8	9.8	0	37	51
13/01/2023 14:30	8.1	357	7	10	0	36.3	52
13/01/2023 14:40	8.3	179	7	11.2	0	36.2	52
13/01/2023 14:50	8.1	3	8	10.7	0	36.1	52
13/01/2023 15:00	7.8	181	9	10.6	0	35.8	54
13/01/2023 15:10	7.8	3	9	9.7	0	35.5	55
13/01/2023 15:20	8.2	359	7	10.5	0	35.3	54
13/01/2023 15:30	8.5	356	6	10	0	35.4	51
13/01/2023 15:40	8	355	8	10.7	0	35.6	48
13/01/2023 15:50	7.5	341	10	10.4	0	35.2	51
13/01/2023 16:00	7.7	342	8	9.9	0	34.9	49
13/01/2023 16:10	7.2	332	9	9.5	0	35	49
13/01/2023 16:20	7.2	332	9	9.4	0	35	49



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/01/2023 16:30	7.7	333	7	10.4	0	34.4	47
13/01/2023 16:40	6.8	326	8	9.2	0	34.5	48
13/01/2023 16:50	6.5	317	10	9.4	0	34.7	46
13/01/2023 17:00	5.7	297	10	8.5	0	34.9	47
13/01/2023 17:10	6.2	293	9	8.3	0	35.3	41
13/01/2023 17:20	5.9	295	11	8.6	0	35.5	40
13/01/2023 17:30	5.4	291	9	7.9	0	36	39
13/01/2023 17:40	6.5	289	8	9	0	36.1	36
13/01/2023 17:50	6	292	9	8	0	36.5	33
13/01/2023 18:00	7.2	271	11	9.1	0	34.9	49
13/01/2023 18:10	7.3	272	6	8.7	0	33.5	56
13/01/2023 18:20	7.3	272	7	9.4	0	33.2	58
13/01/2023 18:30	7.6	272	5	9.2	0	32.7	59
13/01/2023 18:40	6.7	275	5	8.3	0	32.6	59
13/01/2023 18:50	7.2	271	6	9.2	0	31.9	63
13/01/2023 19:00	6.7	273	6	8.4	0	31.3	67
13/01/2023 19:10	6.6	277	5	8.5	0	30.9	69
13/01/2023 19:20	6	275	6	8.1	0	30.8	69
13/01/2023 19:30	5.7	274	5	7.6	0	30.8	68
13/01/2023 19:40	6.2	276	7	8.6	0	30.8	68
13/01/2023 19:50	6.8	275	5	8.3	0	30.7	69
13/01/2023 20:00	5.9	266	6	8.5	0	30.6	68
13/01/2023 20:10	5.3	272	6	6.6	0	30.6	68
13/01/2023 20:20	5.4	270	7	7.2	0	30.5	69
13/01/2023 20:30	6	266	5	7.3	0	30.4	69
13/01/2023 20:40	5.3	266	5	7	0	30.3	68
13/01/2023 20:50	5.5	268	6	6.9	0	30.3	68
13/01/2023 21:00	5.1	261	7	7.2	0	30.2	68
13/01/2023 21:10	6.2	264	5	7.5	0	30.2	67
13/01/2023 21:20	6.4	270	4	7.6	0	30.2	67
13/01/2023 21:30	6.8	273	4	8	0	30.2	67
13/01/2023 21:40	6.5	269	4	8.1	0	30.2	67
13/01/2023 21:50	7	271	4	8.9	0	30.3	67
13/01/2023 22:00	7.4	270	4	9.5	0	30.3	67
13/01/2023 22:10	6.8	273	5	8.5	0	30.3	67
13/01/2023 22:20	6.4	269	4	8.2	0	30.2	67
13/01/2023 22:30	6	271	5	7.8	0	30.1	67
13/01/2023 22:40	5	275	6	6.6	0	30	67
13/01/2023 22:50	5.1	275	6	7	0	30	67
13/01/2023 23:00	4.8	286	8	6.3	0	30	67
13/01/2023 23:10	3.9	286	8	5.7	0	29.9	67
13/01/2023 23:20	4.6	275	6	6	0	29.7	67
13/01/2023 23:30	4.2	273	6	5.9	0	29.6	67
13/01/2023 23:40	5.3	276	6	7	0	29.5	66
13/01/2023 23:50	6	272	5	8	0	29.5	66
14/01/2023 00:00	5.3	271	4	7.2	0	29.4	65
14/01/2023 00:10	5.2	273	4	6.3	0	29.3	65
14/01/2023 00:20	5	270	4	6.7	0	29.3	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/01/2023 00:30	4.7	267	4	5.8	0	29.3	64
14/01/2023 00:40	4.8	270	4	6	0	29.2	64
14/01/2023 00:50	4.8	269	4	5.8	0	29.2	64
14/01/2023 01:00	4.4	269	4	5.7	0	29.2	63
14/01/2023 01:10	4.3	269	4	5.1	0	29.1	63
14/01/2023 01:20	4.4	269	4	5.1	0	29.1	62
14/01/2023 01:30	4.3	266	4	5.1	0	29	62
14/01/2023 01:40	4.1	262	4	5	0	28.9	62
14/01/2023 01:50	3.9	260	4	4.6	0	28.7	61
14/01/2023 02:00	3.9	261	3	4.5	0	28.5	60
14/01/2023 02:10	4.2	265	3	4.9	0	28.5	59
14/01/2023 02:20	4	265	4	4.6	0	28.4	59
14/01/2023 02:30	3.9	257	9	5.5	0	28.6	60
14/01/2023 02:40	3.8	246	14	5.6	0	28.9	62
14/01/2023 02:50	4.7	223	11	6.8	0	30.7	58
14/01/2023 03:00	5.7	214	7	7.6	0	32.8	46
14/01/2023 03:10	5.4	212	8	7.9	0	33	42
14/01/2023 03:20	5.3	207	10	7.2	0	33	39
14/01/2023 03:30	5.5	206	9	7.9	0	33.4	35
14/01/2023 03:40	5.8	207	9	8.3	0	34.1	30
14/01/2023 03:50	5.5	209	7	7.3	0	34.9	26
14/01/2023 04:00	4.6	209	9	6.5	0	35.3	24
14/01/2023 04:10	4.4	213	9	5.9	0	35.8	22
14/01/2023 04:20	4.4	215	9	6.5	0	36.3	22
14/01/2023 04:30	4.2	217	10	5.8	0	36	25
14/01/2023 04:40	3.9	230	11	6.9	0	35.4	27
14/01/2023 04:50	4.3	235	9	6.1	0	34.5	25
14/01/2023 05:00	3.3	239	11	5.1	0	33.6	25
14/01/2023 05:10	3.7	236	13	5.8	0	33.3	26
14/01/2023 05:20	3.3	240	13	5.1	0	33.2	26
14/01/2023 05:30	3.2	245	14	4.9	0	32.9	26
14/01/2023 05:40	3.1	245	13	4.8	0	32.5	27
14/01/2023 05:50	2.3	228	13	3.6	0	32.9	28
14/01/2023 06:00	2.5	245	14	3.5	0	32.6	27
14/01/2023 06:10	3	257	9	4.1	0	32	28
14/01/2023 06:20	2.7	258	11	3.5	0	31.9	29
14/01/2023 06:30	2.5	240	15	3.7	0	32.6	28
14/01/2023 06:40	2.6	226	13	3.5	0	33.6	26
14/01/2023 06:50	2.4	214	7	3.3	0	34.8	23
14/01/2023 07:00	1.8	202	11	2.9	0	35.3	22
14/01/2023 07:10	1.8	187	12	2.6	0	35.6	22
14/01/2023 07:20	1.8	169	15	2.8	0	36.3	20
14/01/2023 07:30	2	160	21	3.3	0	36.9	19
14/01/2023 07:40	2.5	132	14	3.9	0	37.7	18
14/01/2023 07:50	2.2	124	16	3.8	0	37.8	18
14/01/2023 08:00	2.5	112	11	3.9	0	37.5	19
14/01/2023 08:10	2.6	120	11	3.6	0	37.3	20
14/01/2023 08:20	2.5	110	14	3.7	0	37.4	21



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/01/2023 08:30	3	96	13	4.5	0	37.3	21
14/01/2023 08:40	2.7	110	14	4.3	0	37.8	21
14/01/2023 08:50	3	110	16	4.9	0	37.8	23
14/01/2023 09:00	3.2	115	13	5.7	0	37.6	26
14/01/2023 09:10	6.7	80	8	12.2	0	35.4	38
14/01/2023 09:20	6.8	77	10	11.7	0	34.3	50
14/01/2023 09:30	7	82	9	12.2	0	33.8	61
14/01/2023 09:40	8	72	10	11.4	0	32.7	65
14/01/2023 09:50	8.5	73	8	13	0	32	64
14/01/2023 10:00	8.8	76	9	13.6	0	31.9	64
14/01/2023 10:10	9.3	78	8	13.1	0	31.8	64
14/01/2023 10:20	10.3	76	7	15	0	31.5	64
14/01/2023 10:30	9.7	74	8	14	0	31.4	64
14/01/2023 10:40	9.4	80	8	13.2	0	31.5	64
14/01/2023 10:50	9.4	80	8	12.1	0	31.6	64
14/01/2023 11:00	9.5	83	7	12.7	0	31.4	65
14/01/2023 11:10	9.8	78	8	13	0	31.1	65
14/01/2023 11:20	9.2	83	9	12.5	0	31.4	65
14/01/2023 11:30	9	82	8	12.2	0	31.3	65
14/01/2023 11:40	8.6	85	8	11.3	0	31.6	65
14/01/2023 11:50	7.8	80	8	10.7	0	32.2	64
14/01/2023 12:00	8.4	73	9	11.7	0	31.9	65
14/01/2023 12:10	8.4	65	8	10.8	0	30.8	66
14/01/2023 12:20	8.1	71	10	10.4	0	30.9	65
14/01/2023 12:30	7.7	61	10	10.3	0	31.1	65
14/01/2023 12:40	7.3	62	11	9.4	0	31.2	65
14/01/2023 12:50	7.2	57	8	10.4	0	31.4	65
14/01/2023 13:00	7.6	53	9	10.3	0	31.3	65
14/01/2023 13:10	7.2	54	9	9.7	0	31.9	64
14/01/2023 13:20	7.1	61	9	9.3	0	32.4	63
14/01/2023 13:30	7	56	9	9.7	0	33.3	59
14/01/2023 13:40	6.3	58	10	8.7	0	33.6	56
14/01/2023 13:50	5.8	66	11	8.4	0	34.2	57
14/01/2023 14:00	5.3	63	12	7.7	0	34.9	53
14/01/2023 14:10	5.4	53	14	8.4	0	35.8	48
14/01/2023 14:20	5.2	50	14	7.5	0	36.4	46
14/01/2023 14:30	6.1	46	13	9.4	0	36.6	44
14/01/2023 14:40	6.2	47	16	9.9	0	37	40
14/01/2023 14:50	5.7	3	13	7.8	0	36	50
14/01/2023 15:00	5.4	7	10	7.4	0	35.9	51
14/01/2023 15:10	5.5	357	12	7.6	0	34.9	57
14/01/2023 15:20	5.8	2	12	7.5	0	34.2	58
14/01/2023 15:30	6.7	353	9	8.6	0	33.7	61
14/01/2023 15:40	7	354	8	8.9	0	33.1	63
14/01/2023 15:50	7.2	182	10	9.4	0	33	64
14/01/2023 16:00	7.1	353	8	9.6	0	32.8	65
14/01/2023 16:10	6.6	180	11	8.6	0	33.3	64
14/01/2023 16:20	6.9	14	10	9.5	0	33.7	61



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/01/2023 16:30	7.4	19	8	9.8	0	33.5	60
14/01/2023 16:40	6.2	10	10	9.2	0	33.5	62
14/01/2023 16:50	6.7	2	11	10.8	0	32.8	64
14/01/2023 17:00	6.1	8	10	9.8	0	32.9	64
14/01/2023 17:10	7.4	182	10	10	0	32.3	65
14/01/2023 17:20	6.6	174	13	9.8	0	32.3	62
14/01/2023 17:30	7.1	337	11	9.6	0	31.7	65
14/01/2023 17:40	6.4	354	10	8.5	0	31.3	67
14/01/2023 17:50	6.8	344	8	9	0	30.8	68
14/01/2023 18:00	6.7	344	9	9.4	0	30.3	68
14/01/2023 18:10	5.9	343	9	7.5	0	29.9	68
14/01/2023 18:20	4.6	335	13	6.9	0	29.7	67
14/01/2023 18:30	4.9	335	10	6.9	0	29.4	67
14/01/2023 18:40	3.9	346	14	6	0	29.1	66
14/01/2023 18:50	3.2	350	15	4.8	0	29	65
14/01/2023 19:00	2.8	173	11	4.1	0	28.7	64
14/01/2023 19:10	2.2	176	16	3.9	0	28.6	63
14/01/2023 19:20	4.3	92	23	9.4	0	28.9	62
14/01/2023 19:30	2.3	215	28	3.6	0	28.9	63
14/01/2023 19:40	2.2	61	24	3.7	0	29.2	63
14/01/2023 19:50	4.3	77	10	5.8	0	29.3	63
14/01/2023 20:00	5	77	11	6.9	0	29.2	63
14/01/2023 20:10	4.1	67	15	6.7	0	29	63
14/01/2023 20:20	3.8	65	12	5.5	0	28.9	63
14/01/2023 20:30	3.7	67	8	5.3	0	28.8	63
14/01/2023 20:40	4.1	72	9	5.4	0	28.8	63
14/01/2023 20:50	3.6	64	9	5	0	28.7	63
14/01/2023 21:00	4.4	54	6	5.7	0	28.7	63
14/01/2023 21:10	3.6	60	11	4.9	0	28.6	63
14/01/2023 21:20	3.9	67	7	5.2	0	28.6	62
14/01/2023 21:30	4.8	79	9	7.1	0	28.7	62
14/01/2023 21:40	7.6	88	8	9.8	0	29	62
14/01/2023 21:50	8.1	81	8	11.5	0	28.8	62
14/01/2023 22:00	8.4	74	8	12.5	0	28.8	62
14/01/2023 22:10	8.5	68	8	11.8	0	28.8	62
14/01/2023 22:20	8.3	64	7	11.5	0	28.8	62
14/01/2023 22:30	7.7	71	7	11	0	28.7	62
14/01/2023 22:40	8.1	82	6	11.5	0	28.7	62
14/01/2023 22:50	8.3	77	7	11.3	0	28.6	62
14/01/2023 23:00	7.7	76	7	10.5	0	28.6	62
14/01/2023 23:10	7.9	83	7	10.5	0	28.6	62
14/01/2023 23:20	7.2	82	7	9.7	0	28.6	62
14/01/2023 23:30	6.1	85	7	8.3	0	28.6	62
14/01/2023 23:40	6.7	82	6	9	0	28.6	63
14/01/2023 23:50	7.4	78	6	9.2	0	28.6	63
15/01/2023 00:00	6.3	77	8	8.9	0	28.7	63
15/01/2023 00:10	6.3	64	9	8.2	0	28.5	63
15/01/2023 00:20	6.4	70	8	8.6	0	28.6	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/01/2023 00:30	7	62	7	9.5	0	28.6	63
15/01/2023 00:40	7.9	64	7	10.5	0	28.5	63
15/01/2023 00:50	7.3	58	7	9.9	0	28.5	63
15/01/2023 01:00	6.9	60	8	10	0	28.5	63
15/01/2023 01:10	6.7	59	7	9.6	0	28.4	63
15/01/2023 01:20	7.2	58	7	10.2	0	28.4	63
15/01/2023 01:30	7.1	60	8	9.9	0	28.4	63
15/01/2023 01:40	7	65	8	9.9	0	28.4	63
15/01/2023 01:50	7	66	8	9.5	0	28.5	63
15/01/2023 02:00	6.5	67	7	8.8	0	28.6	64
15/01/2023 02:10	6.8	70	7	9.6	0	28.7	64
15/01/2023 02:20	6.2	67	8	9.2	0	28.7	65
15/01/2023 02:30	6.3	61	7	9	0	28.7	65
15/01/2023 02:40	6.2	65	8	8.7	0	28.6	65
15/01/2023 02:50	6.2	63	8	8.4	0	28.5	65
15/01/2023 03:00	5.7	63	7	8.3	0	28.4	65
15/01/2023 03:10	5.7	60	6	7.7	0	28.4	65
15/01/2023 03:20	5.6	63	8	7.5	0	28.3	65
15/01/2023 03:30	4.7	74	7	6.3	0	28.4	65
15/01/2023 03:40	5	70	9	6.9	0	28.4	65
15/01/2023 03:50	4.9	64	7	6.6	0	28.4	65
15/01/2023 04:00	5	65	8	6.5	0	28.4	65
15/01/2023 04:10	4.8	68	6	6.2	0	28.4	65
15/01/2023 04:20	5	74	7	6.6	0	28.5	65
15/01/2023 04:30	4.7	71	7	6.4	0	28.5	65
15/01/2023 04:40	5.1	69	8	7.1	0	28.5	65
15/01/2023 04:50	5.8	69	7	7.3	0	28.5	65
15/01/2023 05:00	6.5	68	7	9.1	0	28.5	66
15/01/2023 05:10	5.3	64	7	7.5	0	28.4	66
15/01/2023 05:20	5.8	67	8	8.1	0	28.4	65
15/01/2023 05:30	6.1	66	7	8.3	0	28.3	65
15/01/2023 05:40	5.4	66	7	7.7	0	28.3	65
15/01/2023 05:50	5.2	71	7	7.2	0	28.3	65
15/01/2023 06:00	3.5	65	10	4.9	0	28.3	65
15/01/2023 06:10	3	63	7	4.4	0	28.2	65
15/01/2023 06:20	3.2	74	7	4.4	0	28.3	65
15/01/2023 06:30	2.8	65	6	3.6	0	28.3	65
15/01/2023 06:40	2.8	65	8	4	0	28.5	65
15/01/2023 06:50	2.7	66	8	3.6	0	28.6	65
15/01/2023 07:00	2.8	64	8	3.9	0	28.7	65
15/01/2023 07:10	3.5	61	7	4.5	0	28.8	65
15/01/2023 07:20	3.1	61	7	4.3	0	28.8	66
15/01/2023 07:30	3.1	60	8	4.2	0	28.8	66
15/01/2023 07:40	3.7	67	10	4.8	0	29	66
15/01/2023 07:50	4.2	67	8	5.3	0	29.1	66
15/01/2023 08:00	4.5	70	7	5.8	0	29.4	66
15/01/2023 08:10	5.2	64	8	6.9	0	29.2	66
15/01/2023 08:20	5.2	77	7	6.5	0	29.3	66





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/01/2023 08:30	5.3	74	7	6.6	0	29.2	66
15/01/2023 08:40	4.8	71	9	7	0	29.5	66
15/01/2023 08:50	5.4	77	10	7	0	30	66
15/01/2023 09:00	6	72	10	8.1	0	30.6	65
15/01/2023 09:10	6.6	72	9	8.8	0	31	65
15/01/2023 09:20	6.7	65	8	9.2	0	30.5	65
15/01/2023 09:30	6.4	71	11	8.9	0	30.7	65
15/01/2023 09:40	6.8	67	11	9.8	0	30.7	65
15/01/2023 09:50	6.7	65	9	9.2	0	30.7	65
15/01/2023 10:00	6.1	67	9	8.5	0	30.9	65
15/01/2023 10:10	6.5	63	11	8.6	0	31	65
15/01/2023 10:20	6.7	66	9	9	0	31	65
15/01/2023 10:30	6.8	67	9	9.8	0	30.9	65
15/01/2023 10:40	7.1	66	10	9.9	0	30.9	65
15/01/2023 10:50	6.9	67	9	9.5	0	31	64
15/01/2023 11:00	6.9	62	10	9.2	0	31.5	62
15/01/2023 11:10	7.1	66	9	9.5	0	31.5	62
15/01/2023 11:20	7.8	69	9	10.8	0	31.3	62
15/01/2023 11:30	8.1	67	9	10.9	0	31.4	61
15/01/2023 11:40	7.9	69	10	10.7	0	31.4	62
15/01/2023 11:50	7.5	68	10	10.2	0	31.5	62
15/01/2023 12:00	7.2	71	8	9.6	0	31.6	62
15/01/2023 12:10	6	60	10	8.7	0	31.9	61
15/01/2023 12:20	6.9	61	8	10	0	32.1	60
15/01/2023 12:30	6.9	66	11	10	0	32	60
15/01/2023 12:40	6.4	65	11	9.3	0	32.3	60
15/01/2023 12:50	6.9	66	10	9.3	0	32	60
15/01/2023 13:00	6.8	63	10	9.4	0	32.2	60
15/01/2023 13:10	6.5	65	10	9.4	0	32.3	60
15/01/2023 13:20	7.1	59	10	10.4	0	32.2	60
15/01/2023 13:30	8.2	64	9	11.5	0	32	59
15/01/2023 13:40	8.4	65	8	11.7	0	32	59
15/01/2023 13:50	8.4	62	9	11.2	0	32	59
15/01/2023 14:00	8.4	64	9	11.8	0	32.1	59
15/01/2023 14:10	8.1	64	10	10.9	0	31.9	60
15/01/2023 14:20	7.8	59	11	10.3	0	31.8	61
15/01/2023 14:30	7.5	66	11	9.9	0	32.1	60
15/01/2023 14:40	7.4	71	8	10.2	0	32.1	61
15/01/2023 14:50	7.8	70	9	10	0	32.1	61
15/01/2023 15:00	7.4	67	9	9.6	0	32.1	61
15/01/2023 15:10	6.9	67	10	9.5	0	32.6	59
15/01/2023 15:20	5.7	56	11	8.6	0	33	58
15/01/2023 15:30	5.2	16	19	7.6	0	33.6	56
15/01/2023 15:40	6.3	22	13	9.6	0	33.4	55
15/01/2023 15:50	5.7	5	12	9.2	0	32.7	59
15/01/2023 16:00	5.7	13	11	7.6	0	32.3	61
15/01/2023 16:10	5.3	8	12	7.3	0	32.5	61
15/01/2023 16:20	5.2	357	13	7.3	0	32.1	62



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/01/2023 16:30	5.3	176	12	7.5	0	31.7	64
15/01/2023 16:40	5.4	357	11	7.3	0	31.3	65
15/01/2023 16:50	5.6	353	11	7.4	0	31.5	64
15/01/2023 17:00	5.9	358	11	8.8	0	30.9	66
15/01/2023 17:10	5.4	3	11	8	0	30.7	66
15/01/2023 17:20	5.1	182	12	7.4	0	30.6	67
15/01/2023 17:30	5.3	12	11	6.8	0	30.3	67
15/01/2023 17:40	5.4	179	10	7.3	0	30.3	67
15/01/2023 17:50	5.9	357	10	7.9	0	29.9	67
15/01/2023 18:00	5.3	183	10	7.8	0	29.8	67
15/01/2023 18:10	4.3	175	17	6.3	0	29.9	67
15/01/2023 18:20	4.9	346	15	6.8	0	29.6	67
15/01/2023 18:30	4.9	327	9	6.9	0	28.9	67
15/01/2023 18:40	3.4	354	16	5.3	0	28.9	67
15/01/2023 18:50	3.2	346	20	5.1	0	28.6	67
15/01/2023 19:00	3	321	13	4.2	0	28.5	66
15/01/2023 19:10	2.6	166	15	3.9	0	28.5	66
15/01/2023 19:20	2.7	329	15	4.1	0	28.3	65
15/01/2023 19:30	3.1	353	16	4.4	0	28.2	65
15/01/2023 19:40	3.2	342	16	4.2	0	28.1	65
15/01/2023 19:50	2.9	340	14	4.1	0	28	64
15/01/2023 20:00	3.1	346	13	4.3	0	28	64
15/01/2023 20:10	2.9	328	11	4.4	0	28	64
15/01/2023 20:20	3.3	338	11	4.9	0	27.9	63
15/01/2023 20:30	2.4	330	15	3.9	0	27.8	63
15/01/2023 20:40	2.8	309	11	4.3	0	27.9	63
15/01/2023 20:50	2.5	297	12	4	0	27.9	63
15/01/2023 21:00	2.3	302	19	3.8	0	27.9	63
15/01/2023 21:10	2.8	288	12	4.2	0	27.8	63
15/01/2023 21:20	2.8	287	10	4.5	0	27.9	63
15/01/2023 21:30	3.6	284	9	5	0	27.8	63
15/01/2023 21:40	3.5	284	7	4.7	0	28	63
15/01/2023 21:50	3.4	291	9	4.7	0	27.9	63
15/01/2023 22:00	3.4	286	13	4.6	0	27.9	63
15/01/2023 22:10	3	287	9	4.3	0	28	63
15/01/2023 22:20	3	292	10	4.5	0	27.9	64
15/01/2023 22:30	2.7	292	9	3.8	0	28	64
15/01/2023 22:40	2.6	281	12	3.6	0	27.9	63
15/01/2023 22:50	2.9	292	11	4	0	27.8	64
15/01/2023 23:00	2.1	284	12	2.9	0	28	64
15/01/2023 23:10	2.2	287	9	3.1	0	28	64
15/01/2023 23:20	2.7	283	9	3.4	0	27.9	64
15/01/2023 23:30	2.8	297	8	3.5	0	27.9	64
15/01/2023 23:40	2.3	264	11	3	0	27.9	64
15/01/2023 23:50	2.6	271	10	3.4	0	27.9	64
16/01/2023 00:00	2.6	270	8	3.6	0	28	64
16/01/2023 00:10	3	266	9	3.9	0	27.9	64
16/01/2023 00:20	3.5	265	6	4.6	0	27.8	64



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/01/2023 00:30	3.1	266	6	3.7	0	27.8	64
16/01/2023 00:40	2.5	267	9	3.7	0	27.9	64
16/01/2023 00:50	3.2	266	7	4.8	0	28	64
16/01/2023 01:00	3.9	262	6	4.6	0	27.9	64
16/01/2023 01:10	3.6	261	6	4.5	0	27.9	64
16/01/2023 01:20	3.3	253	10	4.6	0	27.9	64
16/01/2023 01:30	3.3	250	12	4.7	0	28.1	65
16/01/2023 01:40	3.8	258	9	4.9	0	28	65
16/01/2023 01:50	4	261	6	4.9	0	27.9	65
16/01/2023 02:00	3.4	246	12	5	0	28	65
16/01/2023 02:10	3.3	250	11	4.7	0	28.1	65
16/01/2023 02:20	2.8	258	10	4.4	0	28	65
16/01/2023 02:30	3.2	259	9	4.3	0	27.9	65
16/01/2023 02:40	3	265	5	3.9	0	27.9	65
16/01/2023 02:50	2.9	265	6	4	0	27.8	65
16/01/2023 03:00	2.9	263	6	3.9	0	27.8	66
16/01/2023 03:10	2.3	266	6	3	0	27.8	66
16/01/2023 03:20	1.9	267	10	2.6	0	27.7	66
16/01/2023 03:30	1.7	275	8	2.2	0	27.7	66
16/01/2023 03:40	0.7	247	27	1.4	0	27.7	66
16/01/2023 03:50	1.2	258	16	1.9	0	27.6	66
16/01/2023 04:00	2.2	260	12	2.9	0	27.7	66
16/01/2023 04:10	1.9	279	5	2.2	0	27.5	66
16/01/2023 04:20	1.9	273	7	2.2	0	27.5	66
16/01/2023 04:30	2.2	286	5	2.8	0	27.6	66
16/01/2023 04:40	2.4	279	8	3	0	27.8	66
16/01/2023 04:50	1.6	267	9	2.1	0	27.6	66
16/01/2023 05:00	1.7	271	7	2.1	0	27.5	66
16/01/2023 05:10	0.8	287	23	1.4	0	27.4	66
16/01/2023 05:20	0.9	328	15	1.4	0	27.5	65
16/01/2023 05:30	0.7	315	9	0.9	0	27.7	65
16/01/2023 05:40	0.7	307	17	0.9	0	27.8	65
16/01/2023 05:50	1	301	11	1.2	0	27.7	65
16/01/2023 06:00	1.1	278	12	1.3	0	28	65
16/01/2023 06:10	0.7	287	26	1	0	28.2	65
16/01/2023 06:20	0.4	273	59	0.8	0	28.2	65
16/01/2023 06:30	1	306	16	1.3	0	28.4	65
16/01/2023 06:40	1.1	286	9	1.4	0	28.8	65
16/01/2023 06:50	0.9	274	20	1.4	0	29.3	65
16/01/2023 07:00	1	262	17	1.6	0	29.6	65
16/01/2023 07:10	0.8	287	23	1.5	0	29.8	65
16/01/2023 07:20	0.6	245	30	1.3	0	30.4	65
16/01/2023 07:30	0.9	253	27	1.8	0.1	31	63
16/01/2023 07:40	1.5	211	15	2.4	0	30.9	61
16/01/2023 07:50	1.4	197	21	2.2	0	31.7	59
16/01/2023 08:00	1.4	157	31	3.3	0	32.8	56
16/01/2023 08:10	2.4	146	23	3.6	0	33.4	52
16/01/2023 08:20	2.6	129	12	3.9	0	33.2	52



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/01/2023 08:30	2.5	121	16	3.7	0	33.4	53
16/01/2023 08:40	3.4	117	14	5.5	0	33	57
16/01/2023 08:50	4.4	85	11	5.8	0	32.2	60
16/01/2023 09:00	4.2	90	12	5.7	0	32.1	61
16/01/2023 09:10	4.2	80	11	5.9	0	32.8	59
16/01/2023 09:20	5.1	76	8	7	0	32.3	59
16/01/2023 09:30	5.4	78	8	7.6	0	32.3	60
16/01/2023 09:40	5.1	85	9	6.8	0	33	57
16/01/2023 09:50	5.2	80	10	8.2	0	33.6	55
16/01/2023 10:00	5.9	69	10	8.5	0	33.2	56
16/01/2023 10:10	6.1	58	8	7.9	0	33	57
16/01/2023 10:20	5.6	61	10	8.3	0	33.6	55
16/01/2023 10:30	5.6	65	11	7.9	0	33.6	55
16/01/2023 10:40	5	51	13	6.9	0	33.2	58
16/01/2023 10:50	5.3	52	9	7	0	33	58
16/01/2023 11:00	5.7	53	7	7.7	0	33.3	56
16/01/2023 11:10	5.8	59	9	7.7	0	33.7	55
16/01/2023 11:20	5.7	58	8	7.2	0	33.8	53
16/01/2023 11:30	4.6	47	16	7	0	34.3	52
16/01/2023 11:40	4.2	18	18	6.2	0	34.6	55
16/01/2023 11:50	3.8	13	17	6.3	0	34.2	57
16/01/2023 12:00	3.8	11	19	5.5	0	34.1	57
16/01/2023 12:10	4.8	350	12	6.7	0	33.5	60
16/01/2023 12:20	4.5	349	12	5.8	0	32.9	63
16/01/2023 12:30	4.1	347	15	6.1	0	33.1	63
16/01/2023 12:40	4.4	347	18	6.7	0	33.2	62
16/01/2023 12:50	4.9	354	13	6.9	0	33.1	63
16/01/2023 13:00	4.5	347	15	6.2	0	33.1	62
16/01/2023 13:10	5	347	17	7.4	0	33.3	62
16/01/2023 13:20	5.5	332	11	7.5	0	33	62
16/01/2023 13:30	5.5	337	10	8.1	0	32.7	63
16/01/2023 13:40	6.2	323	10	8.2	0	32.1	64
16/01/2023 13:50	6.7	327	10	9.8	0	32.2	62
16/01/2023 14:00	6.8	326	12	9	0	32.2	63
16/01/2023 14:10	6.8	328	10	9.3	0	32	64
16/01/2023 14:20	6.9	320	9	9.5	0	31.9	64
16/01/2023 14:30	7.2	314	11	10.1	0	31.9	64
16/01/2023 14:40	6.8	323	12	8.8	0	31.6	65
16/01/2023 14:50	7.5	323	9	10	0	31.4	65
16/01/2023 15:00	7.6	321	10	10	0	31.2	65
16/01/2023 15:10	8.3	325	7	10.9	0	31.3	64
16/01/2023 15:20	7.8	324	10	10.3	0	31.4	64
16/01/2023 15:30	7.3	324	8	9.7	0	31.6	63
16/01/2023 15:40	6.4	314	11	9.7	0	31.7	64
16/01/2023 15:50	6.4	319	13	9	0	31.5	65
16/01/2023 16:00	6	302	11	9.1	0	31.7	65
16/01/2023 16:10	6.5	299	9	9.1	0	31.3	66
16/01/2023 16:20	6	299	14	8.3	0	31.7	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/01/2023 16:30	5.9	299	13	8.2	0	31.5	66
16/01/2023 16:40	7.2	307	8	9.8	0	30.8	67
16/01/2023 16:50	6.7	298	11	9.5	0	30.7	67
16/01/2023 17:00	6.9	288	8	9.1	0	30.2	68
16/01/2023 17:10	5.6	297	11	7.9	0	30.1	67
16/01/2023 17:20	5.3	305	11	7.5	0	30.4	67
16/01/2023 17:30	5.5	289	13	8.3	0	30.3	67
16/01/2023 17:40	6.2	281	10	8	0	30.4	67
16/01/2023 17:50	5.5	283	8	7.5	0	30.6	66
16/01/2023 18:00	4.9	281	11	7.1	0	31.1	66
16/01/2023 18:10	6	266	8	8.6	0	30.8	66
16/01/2023 18:20	6.5	262	8	8.4	0	30.3	68
16/01/2023 18:30	6.6	264	7	8.5	0	29.5	68
16/01/2023 18:40	6.1	271	8	8	0	29.3	67
16/01/2023 18:50	6.4	261	8	8.4	0	29	67
16/01/2023 19:00	6.6	268	8	8.3	0	28.8	66
16/01/2023 19:10	6	269	9	7.8	0	28.7	66
16/01/2023 19:20	6.3	273	7	8.3	0	28.8	66
16/01/2023 19:30	6.1	271	7	8.1	0	28.8	66
16/01/2023 19:40	6	277	9	7.8	0	28.8	66
16/01/2023 19:50	5.7	277	7	7.9	0	28.9	66
16/01/2023 20:00	5.7	282	8	7.5	0	28.8	66
16/01/2023 20:10	5.5	282	8	7.1	0	28.9	66
16/01/2023 20:20	5.7	276	8	7.8	0	28.9	66
16/01/2023 20:30	5.6	271	8	7.6	0	28.8	66
16/01/2023 20:40	5.3	275	8	6.9	0	28.8	66
16/01/2023 20:50	6.2	271	8	7.7	0	28.7	66
16/01/2023 21:00	5	280	8	6.8	0	28.7	66
16/01/2023 21:10	5.7	267	10	7.4	0	28.7	66
16/01/2023 21:20	5.8	275	6	7.5	0	28.7	66
16/01/2023 21:30	5.8	273	7	7.3	0	28.8	66
16/01/2023 21:40	5.5	260	10	6.8	0	28.8	67
16/01/2023 21:50	5.9	279	6	7.8	0	28.8	67
16/01/2023 22:00	5.3	276	8	6.8	0	28.8	66
16/01/2023 22:10	5.3	281	7	7.4	0	28.8	66
16/01/2023 22:20	5	279	9	6.7	0	28.8	66
16/01/2023 22:30	5.9	274	6	7.3	0	28.8	66
16/01/2023 22:40	5.6	273	8	7.2	0	28.8	65
16/01/2023 22:50	6.5	270	7	8.2	0	28.8	65
16/01/2023 23:00	6.4	272	7	8.1	0	28.7	64
16/01/2023 23:10	5.4	275	7	7.8	0	28.8	64
16/01/2023 23:20	5.3	273	8	7.1	0	28.9	64
16/01/2023 23:30	5.9	272	6	7.5	0	28.8	64
16/01/2023 23:40	4.9	267	7	6.7	0	28.9	64
16/01/2023 23:50	5.2	268	7	7	0	28.9	64
17/01/2023 00:00	4.8	260	8	6	0	29	65
17/01/2023 00:10	4.4	258	7	6.1	0	28.9	65
17/01/2023 00:20	5	262	6	6.4	0	28.9	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/01/2023 00:30	3.9	264	8	5.2	0	28.9	65
17/01/2023 00:40	4.4	263	5	5.5	0	28.9	65
17/01/2023 00:50	3.3	263	5	4.4	0	28.8	66
17/01/2023 01:00	3.4	264	8	4.6	0	28.8	66
17/01/2023 01:10	3.7	260	5	4.5	0	28.8	66
17/01/2023 01:20	3.8	261	5	4.8	0	28.7	66
17/01/2023 01:30	4.1	263	6	4.9	0	28.7	66
17/01/2023 01:40	4.2	261	6	5.3	0	28.7	65
17/01/2023 01:50	4.1	259	7	5.2	0	28.8	65
17/01/2023 02:00	4.2	262	8	5.4	0	28.8	65
17/01/2023 02:10	4.1	258	7	5.3	0	28.8	65
17/01/2023 02:20	3.6	262	6	4.4	0	28.8	66
17/01/2023 02:30	3.4	265	5	4.6	0	28.9	66
17/01/2023 02:40	3.5	269	6	4.8	0	29.1	66
17/01/2023 02:50	3.8	273	6	5.2	0	29.2	66
17/01/2023 03:00	3.4	275	6	4.3	0	29.2	67
17/01/2023 03:10	3.7	269	6	4.8	0	29.2	67
17/01/2023 03:20	3.3	271	5	4.5	0	29.1	67
17/01/2023 03:30	4	275	6	5	0	29	67
17/01/2023 03:40	4.2	278	6	5.2	0	29.1	67
17/01/2023 03:50	3.2	273	5	4.1	0	29	67
17/01/2023 04:00	2.9	278	6	3.8	0	29	66
17/01/2023 04:10	2.8	276	6	3.9	0	28.9	66
17/01/2023 04:20	3.3	295	7	4.4	0	28.8	65
17/01/2023 04:30	2.9	283	8	3.9	0	28.6	64
17/01/2023 04:40	3.2	289	7	4.2	0	28.5	64
17/01/2023 04:50	3.4	290	7	4.9	0	28.4	63
17/01/2023 05:00	3.7	295	7	4.9	0	28.2	62
17/01/2023 05:10	3.7	295	7	4.8	0	28.1	62
17/01/2023 05:20	2.5	300	11	4.7	0	28.2	61
17/01/2023 05:30	3.5	281	7	5.3	0	28.1	61
17/01/2023 05:40	4.1	279	8	5.5	0	28	61
17/01/2023 05:50	3	298	9	4.4	0	28	61
17/01/2023 06:00	2.7	311	10	4.4	0	27.9	60
17/01/2023 06:10	3.1	313	10	4.7	0	28	61
17/01/2023 06:20	3.7	313	9	5.1	0	28.1	61
17/01/2023 06:30	3.8	309	8	5	0	28.1	61
17/01/2023 06:40	3.1	307	11	4.6	0	28.1	60
17/01/2023 06:50	3.1	306	10	4.7	0	28.3	60
17/01/2023 07:00	3.8	309	12	5.5	0	28.3	61
17/01/2023 07:10	3.8	301	10	5.6	0	28.3	61
17/01/2023 07:20	4.1	309	9	6	0	28.3	61
17/01/2023 07:30	3.9	319	13	5.8	0	28.4	61
17/01/2023 07:40	3.7	314	12	5.4	0	28.6	61
17/01/2023 07:50	3.6	313	13	5.2	0	28.8	61
17/01/2023 08:00	3.6	317	13	6	0	29.2	62
17/01/2023 08:10	4.4	312	8	6.1	0	29.5	63
17/01/2023 08:20	4.5	321	10	6.8	0	29.5	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/01/2023 08:30	4.4	319	16	6.4	0	29.8	64
17/01/2023 08:40	5	328	11	7.3	0	29.5	64
17/01/2023 08:50	4.8	321	13	6.8	0	29.5	64
17/01/2023 09:00	4	320	15	6.3	0	30	64
17/01/2023 09:10	5.1	327	11	7.8	0	29.9	64
17/01/2023 09:20	5.3	339	12	7.2	0	29.9	64
17/01/2023 09:30	5.6	324	12	7.6	0	30.1	64
17/01/2023 09:40	5.3	320	16	7.6	0	30	65
17/01/2023 09:50	5.4	324	14	7.9	0	30.3	65
17/01/2023 10:00	5.1	324	13	7.9	0	30.2	65
17/01/2023 10:10	5.7	316	12	8	0	30.4	65
17/01/2023 10:20	5.1	310	12	7.9	0	30.6	65
17/01/2023 10:30	5.7	307	10	7.7	0	30.6	65
17/01/2023 10:40	5.1	310	12	7.1	0	30.9	65
17/01/2023 10:50	5.3	309	10	7.7	0	31.1	65
17/01/2023 11:00	5.4	303	12	7.1	0	31.3	65
17/01/2023 11:10	5.1	309	14	7.4	0	31.5	64
17/01/2023 11:20	5.9	327	11	8	0	31.4	65
17/01/2023 11:30	6.2	332	8	8.6	0	31.2	66
17/01/2023 11:40	6.3	315	11	8.5	0	30.9	65
17/01/2023 11:50	5.9	309	10	8.4	0	31	66
17/01/2023 12:00	6	309	11	8.4	0	31.1	65
17/01/2023 12:10	6	315	11	8.5	0	31.3	65
17/01/2023 12:20	6.4	314	10	8.6	0	31.2	64
17/01/2023 12:30	6.3	303	10	9	0	31.4	64
17/01/2023 12:40	6.3	314	12	9.5	0	31.5	63
17/01/2023 12:50	6.6	312	14	10	0	31.3	65
17/01/2023 13:00	6	313	11	8.7	0	31.5	64
17/01/2023 13:10	6.6	311	8	8.7	0	31.2	64
17/01/2023 13:20	7	315	7	9.6	0	31.1	65
17/01/2023 13:30	6.3	312	11	8.6	0	30.9	66
17/01/2023 13:40	6	325	12	8.6	0	31.4	65
17/01/2023 13:50	6.2	318	14	8.1	0	31.4	65
17/01/2023 14:00	6.5	316	14	9.1	0	31.3	65
17/01/2023 14:10	6.3	320	13	8.7	0	31.6	64
17/01/2023 14:20	6.3	326	10	9	0	31.5	65
17/01/2023 14:30	6.7	306	10	9.3	0	31.1	65
17/01/2023 14:40	6.6	315	10	9.2	0	31.2	65
17/01/2023 14:50	6.4	316	11	8.8	0	31	65
17/01/2023 15:00	5.9	308	13	9	0	31.8	65
17/01/2023 15:10	6	306	13	8.9	0	31.8	63
17/01/2023 15:20	6	300	15	9.2	0	32.3	60
17/01/2023 15:30	5.8	310	13	8.9	0	31.8	63
17/01/2023 15:40	5.4	301	14	9.1	0	32.3	62
17/01/2023 15:50	6.9	287	9	10.1	0	32	62
17/01/2023 16:00	7	286	6	9.1	0	32.1	60
17/01/2023 16:10	6.8	285	8	9	0	32.3	60
17/01/2023 16:20	7.6	285	8	10.2	0	31.9	61



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/01/2023 16:30	7.4	287	7	9.8	0	31.8	62
17/01/2023 16:40	6.7	299	7	8.4	0	31.4	64
17/01/2023 16:50	7.2	274	11	10.4	0	31.5	65
17/01/2023 17:00	7.6	266	10	9.6	0	31.2	66
17/01/2023 17:10	7.4	279	10	9.6	0	31.5	61
17/01/2023 17:20	7.5	273	8	9.6	0	31.9	55
17/01/2023 17:30	7.3	274	7	9.4	0	31.3	63
17/01/2023 17:40	7.2	278	8	9	0	30.7	66
17/01/2023 17:50	7.4	278	9	9.8	0	30.5	65
17/01/2023 18:00	6.8	281	8	8.7	0	30.5	65
17/01/2023 18:10	6.9	278	8	8.6	0	30.6	64
17/01/2023 18:20	6.7	272	9	8.6	0	30.4	66
17/01/2023 18:30	6.6	277	7	8.9	0	30.1	66
17/01/2023 18:40	6.2	276	7	7.9	0	30	64
17/01/2023 18:50	5.8	265	8	7.6	0	30.1	64
17/01/2023 19:00	5.7	289	7	7.3	0	30	67
17/01/2023 19:10	6.5	294	7	8.4	0	29.5	68
17/01/2023 19:20	6.3	289	7	8.4	0	29.2	68
17/01/2023 19:30	5.9	292	8	7.8	0	29	68
17/01/2023 19:40	5.7	292	7	8	0	28.8	67
17/01/2023 19:50	5.2	289	9	7.1	0	28.8	67
17/01/2023 20:00	5.3	289	7	7.1	0	28.8	67
17/01/2023 20:10	5.4	289	9	6.6	0	28.7	67
17/01/2023 20:20	5.6	291	6	7	0	28.6	67
17/01/2023 20:30	5.6	288	7	7.9	0	28.6	67
17/01/2023 20:40	4.7	282	8	6.4	0	28.6	67
17/01/2023 20:50	4.6	283	8	5.8	0	28.6	67
17/01/2023 21:00	5.3	284	8	7	0	28.5	67
17/01/2023 21:10	4.9	276	8	6.5	0	28.6	67
17/01/2023 21:20	5.7	275	7	7.1	0	28.5	67
17/01/2023 21:30	5.9	276	6	7.4	0	28.4	67
17/01/2023 21:40	6.8	262	7	8.9	0	28.4	67
17/01/2023 21:50	6.2	260	8	8.1	0	28.3	66
17/01/2023 22:00	5.8	264	6	7.5	0	28.4	65
17/01/2023 22:10	4.2	267	7	6	0	28.4	65
17/01/2023 22:20	4.5	273	8	5.5	0	28.5	65
17/01/2023 22:30	4.5	274	7	5.8	0	28.5	64
17/01/2023 22:40	4.7	279	8	6	0	28.6	64
17/01/2023 22:50	5.2	277	6	6.6	0	28.6	64
17/01/2023 23:00	5.6	279	6	7.1	0	28.6	63
17/01/2023 23:10	5.5	275	6	6.9	0	28.6	63
17/01/2023 23:20	5.3	274	6	7.2	0	28.7	63
17/01/2023 23:30	5.2	279	7	7.4	0	28.7	63
17/01/2023 23:40	5.7	273	7	7.9	0	28.6	63
17/01/2023 23:50	6.1	273	6	7.7	0	28.6	65
18/01/2023 00:00	5.6	276	6	7.3	0	28.8	65
18/01/2023 00:10	5.6	278	5	7.2	0	28.8	66
18/01/2023 00:20	5.8	276	6	7.8	0	28.8	66





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/01/2023 00:30	5.6	277	7	7.8	0	28.7	66
18/01/2023 00:40	5.5	278	7	7.5	0	28.6	66
18/01/2023 00:50	6.1	279	7	8.1	0	28.6	66
18/01/2023 01:00	6	287	8	8.3	0	28.4	66
18/01/2023 01:10	5.9	287	7	7.6	0	28.4	66
18/01/2023 01:20	5.4	285	8	7.2	0	28.3	66
18/01/2023 01:30	5.8	279	7	7.8	0	28.3	65
18/01/2023 01:40	5.9	281	7	7.7	0	28.2	65
18/01/2023 01:50	5.1	284	8	7.4	0	28.1	65
18/01/2023 02:00	4.9	288	7	6.3	0	28	65
18/01/2023 02:10	5.2	287	8	7.2	0	27.9	65
18/01/2023 02:20	5.2	289	6	7	0	27.9	65
18/01/2023 02:30	5.2	287	8	7.1	0	27.9	65
18/01/2023 02:40	5.4	284	6	7.2	0	27.8	65
18/01/2023 02:50	5	287	7	6.6	0	27.8	65
18/01/2023 03:00	5.4	282	7	6.8	0	27.8	65
18/01/2023 03:10	5.6	284	7	7.5	0	27.8	65
18/01/2023 03:20	5.2	284	6	6.9	0	27.7	66
18/01/2023 03:30	5.4	281	7	6.8	0	27.8	66
18/01/2023 03:40	5.3	280	6	6.9	0	27.7	66
18/01/2023 03:50	5.6	275	7	7.1	0	27.7	66
18/01/2023 04:00	5.6	280	6	7.1	0	27.8	66
18/01/2023 04:10	4.8	290	8	6.3	0	27.8	66
18/01/2023 04:20	4.4	294	9	6.8	0	27.9	66
18/01/2023 04:30	4.3	297	10	6.1	0	27.9	65
18/01/2023 04:40	4.8	288	8	6.4	0	27.8	65
18/01/2023 04:50	5.1	287	7	6.9	0	27.8	65
18/01/2023 05:00	5	290	6	6.8	0	27.7	65
18/01/2023 05:10	4.6	290	8	6	0	27.7	64
18/01/2023 05:20	4.7	287	8	6.7	0	27.6	64
18/01/2023 05:30	4.6	288	8	6.5	0	27.6	64
18/01/2023 05:40	3.9	292	8	5.8	0	27.6	64
18/01/2023 05:50	4	292	8	5.7	0	27.6	64
18/01/2023 06:00	3	281	10	4.8	0	27.6	64
18/01/2023 06:10	3.4	292	7	4.9	0	27.6	64
18/01/2023 06:20	3.8	292	7	5.4	0	27.7	64
18/01/2023 06:30	3.4	283	10	5	0	27.8	64
18/01/2023 06:40	3.4	288	10	4.4	0	27.9	64
18/01/2023 06:50	3.8	296	8	5.1	0	28	64
18/01/2023 07:00	3.5	286	9	5.1	0	28.2	64
18/01/2023 07:10	3.3	286	10	4.7	0	28.2	65
18/01/2023 07:20	3	290	12	4.3	0	28.3	65
18/01/2023 07:30	2.9	288	15	3.8	0	28.5	65
18/01/2023 07:40	2.4	317	13	3.5	0	28.6	65
18/01/2023 07:50	2.3	316	10	3.2	0	28.8	65
18/01/2023 08:00	2	315	19	3.1	0	29.3	66
18/01/2023 08:10	2	320	23	3.2	0	29.7	66
18/01/2023 08:20	2.3	272	16	3.8	0	30.4	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/01/2023 08:30	2.4	283	17	3.5	0	30.5	66
18/01/2023 08:40	2.6	311	14	3.9	0	29.9	66
18/01/2023 08:50	3.2	337	12	4.4	0	29.9	66
18/01/2023 09:00	3.5	328	12	5.4	0	30.2	66
18/01/2023 09:10	3.6	337	12	5.1	0	30	66
18/01/2023 09:20	3.9	332	12	5.1	0	29.7	67
18/01/2023 09:30	3.2	325	12	4.6	0	29.6	67
18/01/2023 09:40	3.4	337	18	5.2	0	29.7	66
18/01/2023 09:50	3.5	331	13	5.2	0	29.9	66
18/01/2023 10:00	3.9	339	19	5.5	0	30.3	66
18/01/2023 10:10	3.7	351	17	5.4	0	30.1	67
18/01/2023 10:20	3.5	330	15	5.5	0	30.2	67
18/01/2023 10:30	3.6	323	13	5.1	0	30.2	67
18/01/2023 10:40	3.1	330	11	5	0	30.2	67
18/01/2023 10:50	3.1	344	16	4.8	0	30.9	66
18/01/2023 11:00	3.1	23	25	5.5	0	31.6	64
18/01/2023 11:10	5.8	58	15	9.2	0	31.9	64
18/01/2023 11:20	9	66	8	11.7	0	32	63
18/01/2023 11:30	7.4	51	12	10.1	0	31	66
18/01/2023 11:40	6.9	58	10	10	0	30.9	66
18/01/2023 11:50	6.5	23	14	8.7	0	31.5	63
18/01/2023 12:00	6.7	24	13	9.5	0	31.4	62
18/01/2023 12:10	7.2	17	12	10	0	31.5	60
18/01/2023 12:20	6.5	12	10	8.9	0	31.3	63
18/01/2023 12:30	6.5	12	10	8.8	0	30.4	67
18/01/2023 12:40	5.3	16	10	7.3	0	30	67
18/01/2023 12:50	5.6	20	8	7.3	0	30	67
18/01/2023 13:00	4.9	20	9	6.8	0	30.1	66
18/01/2023 13:10	4.7	16	6	6.2	0	30.3	66
18/01/2023 13:20	4	23	11	6	0	30.4	66
18/01/2023 13:30	3.7	323	24	6.4	0	30.9	65
18/01/2023 13:40	4.6	302	11	6.8	0	30.6	66
18/01/2023 13:50	4.6	315	13	6.8	0	31.1	65
18/01/2023 14:00	4.5	304	15	6	0	31.3	64
18/01/2023 14:10	3.6	330	22	5.3	0	31.5	63
18/01/2023 14:20	3.7	172	22	5.8	0	32	61
18/01/2023 14:30	3.8	176	20	5.6	0	31.2	64
18/01/2023 14:40	3.2	341	15	5	0	30.9	66
18/01/2023 14:50	3	347	24	5	0	31.4	64
18/01/2023 15:00	3.6	341	26	5.4	0	31.3	64
18/01/2023 15:10	4.4	357	14	6.6	0	31.7	63
18/01/2023 15:20	4	188	15	6.8	0	31.7	61
18/01/2023 15:30	3.5	334	21	5.2	0	31.6	64
18/01/2023 15:40	3.5	321	15	6	0	31.4	64
18/01/2023 15:50	3.7	331	16	5.7	0	31.7	63
18/01/2023 16:00	4.2	333	16	5.9	0	31.6	63
18/01/2023 16:10	4.7	327	10	6.4	0	31	65
18/01/2023 16:20	4.8	181	11	6.6	0	31.6	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/01/2023 16:30	5.1	346	15	7	0	31.8	63
18/01/2023 16:40	6	340	13	8.5	0	31	67
18/01/2023 16:50	6.2	343	16	8.7	0	30.4	67
18/01/2023 17:00	5	351	16	7.8	0	31	65
18/01/2023 17:10	6	336	12	8.5	0	30.3	67
18/01/2023 17:20	6.7	348	10	9.8	0	29.9	67
18/01/2023 17:30	6.6	346	12	9.3	0	29.6	68
18/01/2023 17:40	6.3	347	12	9.2	0	29.6	68
18/01/2023 17:50	6.1	345	14	8.8	0	29.4	68
18/01/2023 18:00	5.8	340	13	8.6	0	29.5	68
18/01/2023 18:10	5.5	322	13	8.7	0	29.4	68
18/01/2023 18:20	5.6	320	13	7.9	0	29.2	68
18/01/2023 18:30	6	312	11	8.3	0	28.9	68
18/01/2023 18:40	5.6	313	12	7.7	0	28.7	68
18/01/2023 18:50	6	315	13	8.4	0	28.5	68
18/01/2023 19:00	5.3	315	13	7.6	0	28.4	67
18/01/2023 19:10	5.6	304	8	7.6	0	28.3	67
18/01/2023 19:20	5.1	301	11	7.3	0	28.1	67
18/01/2023 19:30	5.1	306	9	7.2	0	28.1	67
18/01/2023 19:40	5	310	10	6.7	0	28.2	67
18/01/2023 19:50	5.4	311	7	7.2	0	28.2	67
18/01/2023 20:00	4.9	310	7	6.6	0	28.2	67
18/01/2023 20:10	5	311	8	6.3	0	28.2	67
18/01/2023 20:20	3.9	299	11	5.8	0	28.3	67
18/01/2023 20:30	4.3	305	12	6.6	0	28.2	67
18/01/2023 20:40	4.3	292	10	6.4	0	28.2	67
18/01/2023 20:50	5.3	284	8	7.2	0	28.2	67
18/01/2023 21:00	4.9	287	8	6.5	0	28.1	67
18/01/2023 21:10	4.7	285	7	6.3	0	28.1	67
18/01/2023 21:20	5.1	278	8	6.2	0	28.1	67
18/01/2023 21:30	5.7	268	7	7.1	0	28.2	67
18/01/2023 21:40	5.1	277	7	6.7	0	28.2	67
18/01/2023 21:50	5	274	8	6.8	0	28.1	67
18/01/2023 22:00	6	265	8	7.5	0	28.1	67
18/01/2023 22:10	4.8	269	8	6.2	0	28.1	67
18/01/2023 22:20	3.8	280	8	5.2	0	28	67
18/01/2023 22:30	4	281	9	5.3	0	28	67
18/01/2023 22:40	3.9	278	7	5.1	0	28.1	67
18/01/2023 22:50	3.6	274	7	4.9	0	28	67
18/01/2023 23:00	3.4	281	7	4.4	0	27.9	67
18/01/2023 23:10	2.7	293	8	3.7	0	27.8	67
18/01/2023 23:20	3	273	9	4.3	0	27.8	67
18/01/2023 23:30	3.2	282	9	4.7	0	27.8	67
18/01/2023 23:40	3.4	316	9	4.6	0	27.8	66
18/01/2023 23:50	3.3	306	11	5.4	0	27.8	66
19/01/2023 00:00	3.7	306	11	5.2	0	27.8	66
19/01/2023 00:10	3.8	282	11	5.1	0	27.8	66
19/01/2023 00:20	3.6	279	8	4.7	0	27.7	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/01/2023 00:30	3	283	9	4.5	0	27.6	65
19/01/2023 00:40	3.3	281	8	4.4	0	27.6	65
19/01/2023 00:50	3.5	277	7	4.6	0	27.6	65
19/01/2023 01:00	3.4	272	7	4.9	0	27.6	65
19/01/2023 01:10	3.2	262	9	4.5	0	27.6	65
19/01/2023 01:20	2.8	277	11	3.8	0	27.6	65
19/01/2023 01:30	3.5	259	6	4.6	0	27.6	65
19/01/2023 01:40	2.9	267	9	4	0	27.7	65
19/01/2023 01:50	2.7	262	9	3.9	0	27.7	64
19/01/2023 02:00	2.6	271	9	3.6	0	27.6	64
19/01/2023 02:10	2.5	276	8	3.4	0	27.5	65
19/01/2023 02:20	2	277	10	2.9	0	27.6	65
19/01/2023 02:30	2.3	278	9	3	0	27.7	65
19/01/2023 02:40	2.7	265	8	3.4	0	27.8	65
19/01/2023 02:50	2.6	229	14	4.1	0	27.9	65
19/01/2023 03:00	3.2	230	12	4.7	0	28.1	65
19/01/2023 03:10	3.8	243	11	5.1	0	28.2	65
19/01/2023 03:20	4.1	260	9	5.3	0	28	65
19/01/2023 03:30	3.7	244	11	5.5	0.1	27.7	63
19/01/2023 03:40	3.9	260	8	5	0	27.5	62
19/01/2023 03:50	2.3	255	13	3.3	0	27.3	61
19/01/2023 04:00	1.4	240	28	2.3	0	27.3	60
19/01/2023 04:10	3	218	10	4.2	0	27.1	60
19/01/2023 04:20	3.7	240	9	5.4	0.1	27.2	62
19/01/2023 04:30	3.5	271	8	4.5	0.1	27.2	62
19/01/2023 04:40	2.7	283	7	3.6	0	26.9	62
19/01/2023 04:50	2.2	277	8	3	0	26.9	61
19/01/2023 05:00	1.6	296	10	2.7	0	26.9	61
19/01/2023 05:10	2.6	297	5	3.1	0	27	61
19/01/2023 05:20	2.2	313	6	2.8	0	27.1	61
19/01/2023 05:30	2.2	332	7	3.1	0	27	62
19/01/2023 05:40	1.2	276	39	2.1	0	27.2	62
19/01/2023 05:50	1	239	24	1.5	0	27.3	62
19/01/2023 06:00	0.7	172	19	1.1	0	27.2	62
19/01/2023 06:10	0.9	303	14	1.2	0	27.3	62
19/01/2023 06:20	1	176	18	1.3	0	27.4	62
19/01/2023 06:30	0.8	312	22	1.4	0	27.7	63
19/01/2023 06:40	0.8	161	38	1.4	0	27.7	64
19/01/2023 06:50	2.5	62	8	4	0	28.1	64
19/01/2023 07:00	5	61	6	7.2	0	28.1	64
19/01/2023 07:10	4.6	56	8	6.8	0	28	64
19/01/2023 07:20	5.7	56	7	8.4	0.5	27.4	63
19/01/2023 07:30	2.9	45	8	4.2	0.2	26.1	62
19/01/2023 07:40	1.1	31	14	1.6	0.1	26	62
19/01/2023 07:50	1.3	176	28	1.9	0	26.3	61
19/01/2023 08:00	2.6	80	15	3.4	0	26.7	62
19/01/2023 08:10	2.7	48	9	3.4	0	27	62
19/01/2023 08:20	2.9	51	8	3.9	0	27.3	62



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/01/2023 08:30	4.6	60	7	6.8	0	27.4	62
19/01/2023 08:40	5.1	63	7	6.9	0	27.5	63
19/01/2023 08:50	5.8	64	7	8	0	27.7	64
19/01/2023 09:00	5.7	64	8	7.9	0	27.7	63
19/01/2023 09:10	5.2	63	7	7.1	0	27.3	63
19/01/2023 09:20	5.1	65	7	7	0	27.2	64
19/01/2023 09:30	5.2	67	6	7.2	0	27.3	64
19/01/2023 09:40	5.6	81	7	7.4	0.1	27.3	63
19/01/2023 09:50	5	86	8	6.8	0.1	27.2	61
19/01/2023 10:00	3.9	109	13	5.7	0.2	27.2	60
19/01/2023 10:10	4	101	13	6.8	0	27.2	59
19/01/2023 10:20	4.7	99	11	6.8	0.1	27.3	59
19/01/2023 10:30	4.9	84	8	6.8	0	27.5	59
19/01/2023 10:40	5.4	85	8	7.7	0	27.6	59
19/01/2023 10:50	6.3	89	7	8.7	0	27.6	59
19/01/2023 11:00	5.2	101	10	7.8	0	27.8	59
19/01/2023 11:10	5.4	102	14	7.6	0	28.1	61
19/01/2023 11:20	5.4	114	7	7.9	0	28.6	63
19/01/2023 11:30	4.7	113	11	7	0	28.6	64
19/01/2023 11:40	5.4	105	14	8.3	0	28.4	63
19/01/2023 11:50	6.7	92	8	9.2	0	28	62
19/01/2023 12:00	6.3	87	8	9.5	0	27.2	61
19/01/2023 12:10	5.9	95	11	8.7	0	27.4	61
19/01/2023 12:20	6.8	91	8	9.4	0	27.4	61
19/01/2023 12:30	6.8	92	7	9.7	0	27.6	62
19/01/2023 12:40	6.9	91	9	10.3	0	28.1	64
19/01/2023 12:50	7.7	90	7	10.8	0.1	28.5	63
19/01/2023 13:00	7.5	91	7	10	0	28.6	62
19/01/2023 13:10	7	84	8	10	0	28.9	63
19/01/2023 13:20	7.7	83	8	10.1	0	29.1	64
19/01/2023 13:30	6.8	83	8	9.4	0	29.1	64
19/01/2023 13:40	6.5	81	8	8.5	0	29.4	65
19/01/2023 13:50	7.3	77	5	9.9	0	29.4	65
19/01/2023 14:00	7.2	78	6	9.3	0	29.5	65
19/01/2023 14:10	6.8	80	9	8.8	0	29.8	65
19/01/2023 14:20	5.8	69	9	8	0	29.9	65
19/01/2023 14:30	5.9	60	9	7.9	0	29.9	65
19/01/2023 14:40	5.8	67	10	8	0	29.8	65
19/01/2023 14:50	5.7	63	10	8.1	0	29.6	65
19/01/2023 15:00	6.1	53	9	8.7	0	29.5	65
19/01/2023 15:10	6.3	54	9	8.5	0	29.6	66
19/01/2023 15:20	5.7	48	9	7.9	0	29.5	66
19/01/2023 15:30	5	43	11	7.6	0	29.9	66
19/01/2023 15:40	5.2	66	10	7.1	0	29.8	66
19/01/2023 15:50	5.5	67	8	7.3	0	29.6	66
19/01/2023 16:00	5.6	62	9	7.5	0	29.7	66
19/01/2023 16:10	5.4	63	9	7.2	0	29.5	66
19/01/2023 16:20	5.5	63	8	7.6	0	29.4	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/01/2023 16:30	5.4	59	11	7.6	0	29.3	66
19/01/2023 16:40	6.2	57	7	8.1	0	29.1	66
19/01/2023 16:50	5.6	60	7	7.5	0	29	66
19/01/2023 17:00	5	53	14	7.4	0	29.2	66
19/01/2023 17:10	5.1	56	11	7.4	0	29.6	66
19/01/2023 17:20	5.5	53	8	7.4	0	29.9	66
19/01/2023 17:30	5.1	60	10	6.8	0	30.2	65
19/01/2023 17:40	5.3	46	9	7.6	0	29.8	66
19/01/2023 17:50	4.3	35	10	6.5	0	29.5	66
19/01/2023 18:00	4	34	11	5.8	0	29.5	67
19/01/2023 18:10	3.7	16	9	4.8	0	29.4	67
19/01/2023 18:20	3.5	13	12	4.9	0	29.5	67
19/01/2023 18:30	4.5	11	7	5.5	0	29.3	67
19/01/2023 18:40	4.9	9	7	6.4	0	29	67
19/01/2023 18:50	4	9	9	5.7	0	28.6	67
19/01/2023 19:00	3.5	181	11	4.6	0	28.5	66
19/01/2023 19:10	3.6	179	10	5.3	0	28.3	66
19/01/2023 19:20	3.3	181	11	4.5	0	28.3	66
19/01/2023 19:30	3.3	335	8	4.5	0	28.2	65
19/01/2023 19:40	3.3	334	7	4.6	0	28.1	65
19/01/2023 19:50	3.5	337	13	5.1	0	28.1	65
19/01/2023 20:00	4.3	324	10	6.4	0	28.1	65
19/01/2023 20:10	4.1	324	11	5.8	0	28.1	66
19/01/2023 20:20	3.6	324	10	4.9	0	28.2	66
19/01/2023 20:30	3.8	322	11	5.9	0	28.1	66
19/01/2023 20:40	3.9	318	11	5.4	0	28.2	66
19/01/2023 20:50	4	317	9	6.2	0	28.2	66
19/01/2023 21:00	3.9	305	8	5.7	0	28.2	65
19/01/2023 21:10	3.1	309	12	4.1	0	28.1	65
19/01/2023 21:20	2.9	306	12	4.7	0	28.1	65
19/01/2023 21:30	2.7	310	10	4.1	0	28.1	65
19/01/2023 21:40	2.3	349	14	3.3	0	28.1	65
19/01/2023 21:50	2.8	6	12	3.9	0	28.1	65
19/01/2023 22:00	3.8	16	8	5.2	0	28	65
19/01/2023 22:10	3.7	350	9	5.2	0	28	65
19/01/2023 22:20	3.4	339	8	5.1	0	28	64
19/01/2023 22:30	3.7	341	8	4.8	0	27.9	64
19/01/2023 22:40	3.2	336	10	4.6	0	27.9	65
19/01/2023 22:50	1.8	339	16	2.7	0	28	64
19/01/2023 23:00	1	311	34	1.7	0	28	64
19/01/2023 23:10	1.1	304	21	1.6	0	27.9	64
19/01/2023 23:20	1.7	308	18	2.4	0	27.9	64
19/01/2023 23:30	2	290	10	3	0	27.9	64
19/01/2023 23:40	2.2	307	13	3	0	27.7	64
19/01/2023 23:50	2.2	309	10	3	0	27.8	65
20/01/2023 00:00	2.9	303	10	4.8	0	28	65
20/01/2023 00:10	2.9	283	10	4.4	0	28	64
20/01/2023 00:20	2.5	266	12	3.7	0	27.9	64



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/01/2023 00:30	3.2	270	8	4.3	0	28	63
20/01/2023 00:40	4.2	269	8	5.5	0	27.9	63
20/01/2023 00:50	4.2	260	7	5.2	0	27.8	63
20/01/2023 01:00	4.1	246	11	5.6	0	27.8	63
20/01/2023 01:10	3.3	220	10	4.9	0	27.7	64
20/01/2023 01:20	3.2	222	10	4.5	0	27.7	64
20/01/2023 01:30	3.7	223	10	5.2	0	27.7	63
20/01/2023 01:40	3.4	210	11	4.7	0	27.6	63
20/01/2023 01:50	2.7	207	12	4.2	0	27.5	62
20/01/2023 02:00	3.2	202	13	4.9	0	27.4	62
20/01/2023 02:10	3.7	229	14	5.4	0.1	27.2	61
20/01/2023 02:20	3.2	250	16	4.8	0	26.9	61
20/01/2023 02:30	2.6	252	20	3.8	0	26.9	61
20/01/2023 02:40	2.7	288	11	3.9	0	26.8	60
20/01/2023 02:50	3.6	291	11	5.1	0	26.8	60
20/01/2023 03:00	3.7	277	13	6.8	0	26.6	59
20/01/2023 03:10	4.1	299	10	6.4	0	26.7	60
20/01/2023 03:20	2.9	314	8	4	0	26.7	60
20/01/2023 03:30	4.5	297	9	6.2	0	26.4	59
20/01/2023 03:40	5.6	292	7	7.2	0	25.7	59
20/01/2023 03:50	4.6	286	9	6.5	0	25.4	58
20/01/2023 04:00	3.7	290	8	5.1	0	25.5	57
20/01/2023 04:10	3.4	287	8	4.8	0	25.8	57
20/01/2023 04:20	3.3	280	6	4.2	0	26.1	56
20/01/2023 04:30	3.4	288	6	4.8	0	26.2	57
20/01/2023 04:40	3.9	293	7	5.4	0	26.3	56
20/01/2023 04:50	3.9	286	6	5.1	0	26.3	56
20/01/2023 05:00	4.1	269	6	5.5	0	26.4	56
20/01/2023 05:10	4	266	6	5.1	0	26.4	55
20/01/2023 05:20	3.6	270	6	4.5	0	26.4	55
20/01/2023 05:30	3.6	267	5	4.7	0	26.5	55
20/01/2023 05:40	3.9	263	6	5.4	0	26.4	55
20/01/2023 05:50	3.4	265	6	4.3	0	26.3	55
20/01/2023 06:00	3.8	262	4	4.7	0	26.4	56
20/01/2023 06:10	4	263	6	4.9	0	26.5	57
20/01/2023 06:20	3.6	256	8	5.3	0	26.8	59
20/01/2023 06:30	3.9	263	7	5.5	0	27.1	60
20/01/2023 06:40	3.9	262	8	5.1	0	27.6	61
20/01/2023 06:50	3.8	244	12	5.1	0	27.9	62
20/01/2023 07:00	4.4	242	12	6	0	28.3	63
20/01/2023 07:10	4.5	242	11	6.4	0	28.6	63
20/01/2023 07:20	4.1	234	13	5.5	0	28.5	64
20/01/2023 07:30	4.3	233	11	6	0	28.5	64
20/01/2023 07:40	3.9	235	11	5.5	0	28.6	64
20/01/2023 07:50	3.9	234	12	5.6	0	29	64
20/01/2023 08:00	3.2	241	22	4.9	0	29.2	64
20/01/2023 08:10	3.7	253	18	5.4	0	29.5	64
20/01/2023 08:20	3.9	270	17	5.7	0	29.1	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/01/2023 08:30	3.9	274	12	5.4	0	28.9	64
20/01/2023 08:40	2.5	271	14	4.2	0	28.8	65
20/01/2023 08:50	4	285	9	5.2	0	29	64
20/01/2023 09:00	3.4	298	8	4.3	0	28.6	63
20/01/2023 09:10	3.2	290	10	4.2	0	28.8	63
20/01/2023 09:20	3.1	285	12	4.5	0	29.4	64
20/01/2023 09:30	3.2	275	11	4.4	0	29.7	64
20/01/2023 09:40	3	298	13	4.2	0	29.4	65
20/01/2023 09:50	1.7	333	21	2.9	0	30.1	65
20/01/2023 10:00	1	301	60	2.2	0	31.1	64
20/01/2023 10:10	1.7	241	36	2.6	0	31.2	64
20/01/2023 10:20	2	36	16	3.3	0	31.4	64
20/01/2023 10:30	1.8	39	34	3.1	0	31.7	63
20/01/2023 10:40	2.6	346	23	4.3	0	31.9	64
20/01/2023 10:50	3.7	323	11	5.2	0	31.6	64
20/01/2023 11:00	3.8	321	11	5.6	0	31.5	64
20/01/2023 11:10	3.7	333	13	5.3	0	31.7	64
20/01/2023 11:20	3.5	341	18	5.2	0	31.8	64
20/01/2023 11:30	3.8	173	14	5.7	0	31.8	64
20/01/2023 11:40	3.3	359	24	4.8	0	32.4	62
20/01/2023 11:50	3.4	352	19	5.1	0	32.2	62
20/01/2023 12:00	2.9	357	21	4.4	0	32	63
20/01/2023 12:10	4	20	19	5.9	0	32.8	62
20/01/2023 12:20	3.7	25	22	6.1	0	32.6	62
20/01/2023 12:30	6.1	71	10	7.8	0	32.7	61
20/01/2023 12:40	5.1	62	11	7.7	0	33	59
20/01/2023 12:50	5.7	60	9	7.6	0	32.6	59
20/01/2023 13:00	4.9	64	10	6.9	0	32.7	59
20/01/2023 13:10	4.1	41	26	6.2	0	32.6	61
20/01/2023 13:20	4.1	343	13	6.1	0	31.1	66
20/01/2023 13:30	4.5	337	20	7	0	31.8	65
20/01/2023 13:40	4.5	341	16	6.6	0	32.1	64
20/01/2023 13:50	4.5	177	17	6.6	0	32	64
20/01/2023 14:00	4.4	4	15	6.2	0	31.7	65
20/01/2023 14:10	4.5	181	14	6.9	0	32	64
20/01/2023 14:20	4.8	359	15	6.5	0	32.3	64
20/01/2023 14:30	4.5	176	13	6.6	0	31.8	64
20/01/2023 14:40	4.6	9	9	5.9	0	31.4	65
20/01/2023 14:50	4.8	14	10	6.4	0	31.4	65
20/01/2023 15:00	5.7	15	10	7.2	0	31.1	66
20/01/2023 15:10	5.8	179	10	7.3	0	30.9	66
20/01/2023 15:20	5.5	3	11	8.4	0	30.9	66
20/01/2023 15:30							
20/01/2023 15:40	25.5	185	16	503.7	0.1	31.6	64
20/01/2023 15:50	5.8	343	11	7.9	0	30.6	66
20/01/2023 16:00	5.8	349	13	8.4	0	30.5	67
20/01/2023 16:10	5.8	335	15	8.7	0	31	66
20/01/2023 16:20	6.1	341	12	8.6	0	30.6	67





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/01/2023 16:30	6.2	327	15	9	0	30.6	67
20/01/2023 16:40	6.3	329	11	8.6	0	30.4	66
20/01/2023 16:50	6.7	327	12	9.3	0	30	67
20/01/2023 17:00	6	328	15	8.8	0	30.2	67
20/01/2023 17:10	5.7	320	13	8.5	0	30.1	67
20/01/2023 17:20	5.6	318	11	8.1	0	30.2	67
20/01/2023 17:30	5.3	313	10	7.6	0	30.1	67
20/01/2023 17:40	5	312	13	7.5	0	29.7	67
20/01/2023 17:50	5.3	302	12	8	0	29.6	67
20/01/2023 18:00	5.5	300	12	7.7	0	29.5	67
20/01/2023 18:10	4.8	296	14	6.8	0	29.4	67
20/01/2023 18:20	5.9	282	7	7.5	0	29.1	67
20/01/2023 18:30	5.7	291	8	8.3	0	28.9	67
20/01/2023 18:40	4.2	301	14	7.2	0	28.9	67
20/01/2023 18:50	4.2	300	13	6.6	0	28.8	67
20/01/2023 19:00	5.5	293	8	7.1	0	28.7	67
20/01/2023 19:10	5	286	8	6.8	0	28.7	66
20/01/2023 19:20	4.9	284	11	6.9	0	28.6	66
20/01/2023 19:30	4	271	10	5.8	0	28.7	66
20/01/2023 19:40	4.1	256	7	5.7	0	28.6	66
20/01/2023 19:50	4.3	260	6	5.3	0	28.6	66
20/01/2023 20:00	3.8	266	8	4.8	0	28.6	66
20/01/2023 20:10	4.5	261	6	5.3	0	28.6	66
20/01/2023 20:20	4.9	266	7	6	0	28.6	66
20/01/2023 20:30	4.7	267	7	6.1	0	28.6	66
20/01/2023 20:40	5.1	277	7	6.7	0	28.6	66
20/01/2023 20:50	5	279	8	6.9	0	28.6	66
20/01/2023 21:00	4.3	286	11	5.6	0	28.5	66
20/01/2023 21:10	4.5	296	8	6.4	0	28.4	66
20/01/2023 21:20	3.7	306	10	6	0	28.4	66
20/01/2023 21:30	3.3	291	11	4.7	0	28.5	66
20/01/2023 21:40	3.7	291	8	5	0	28.4	66
20/01/2023 21:50	3.4	283	9	4.8	0	28.4	66
20/01/2023 22:00	4.1	279	9	5.7	0	28.4	66
20/01/2023 22:10	4.7	268	7	5.7	0	28.4	66
20/01/2023 22:20	4.4	266	7	5.5	0	28.4	66
20/01/2023 22:30	4.2	276	9	5.1	0	28.4	66
20/01/2023 22:40	3.6	269	8	4.7	0	28.4	66
20/01/2023 22:50	4.1	261	7	5.2	0	28.3	65
20/01/2023 23:00	4.3	261	6	5.2	0	28.3	65
20/01/2023 23:10	4.1	262	5	5	0	28.3	65
20/01/2023 23:20	3.4	262	7	4.4	0	28.3	64
20/01/2023 23:30	3	265	6	3.8	0	28.2	64
20/01/2023 23:40	2.9	268	6	3.8	0	28.2	63
20/01/2023 23:50	2.3	279	7	2.9	0	28.2	63
21/01/2023 00:00	1.8	301	6	2.3	0	28.2	63
21/01/2023 00:10	1.4	309	11	1.9	0	28.2	62
21/01/2023 00:20	0.9	320	25	1.6	0	28.2	62



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/01/2023 00:30	1.8	10	10	2.4	0	28.2	62
21/01/2023 00:40	1.9	78	18	2.9	0	28.1	62
21/01/2023 00:50	1.8	125	19	3.1	0	27.8	62
21/01/2023 01:00	3.3	123	17	5.6	0.3	27.6	62
21/01/2023 01:10	1.8	143	18	3.1	0	27	60
21/01/2023 01:20	2	205	25	3	0	27	58
21/01/2023 01:30	4.2	250	10	5.6	0	26.7	57
21/01/2023 01:40	3.5	238	11	5.1	0	26.2	56
21/01/2023 01:50	2.8	217	15	3.9	0	26.4	54
21/01/2023 02:00	2.9	216	13	4.5	0	26.4	53
21/01/2023 02:10	3	193	9	4.3	0	26.2	53
21/01/2023 02:20	2.6	179	9	3.8	0	26	54
21/01/2023 02:30	2.4	184	9	3.2	0	26	55
21/01/2023 02:40	2	149	16	3.3	0	26	55
21/01/2023 02:50	1.8	139	13	2.8	0	25.9	56
21/01/2023 03:00	1.6	134	16	2.6	0	25.8	57
21/01/2023 03:10	1.8	148	15	3.1	0	25.8	58
21/01/2023 03:20	2	137	19	3.6	0	25.8	59
21/01/2023 03:30	1	160	24	1.8	0	25.9	59
21/01/2023 03:40	1.6	140	17	3.1	0	25.8	60
21/01/2023 03:50	1.9	135	11	3.2	0	25.7	60
21/01/2023 04:00	1.6	135	12	2.5	0	25.7	60
21/01/2023 04:10	1.9	130	9	2.8	0	25.7	60
21/01/2023 04:20	2.1	132	8	2.8	0	25.7	60
21/01/2023 04:30	1.3	95	20	2.3	0	25.7	60
21/01/2023 04:40	1.4	80	18	2.3	0	25.6	59
21/01/2023 04:50	1.2	96	23	2.3	0	25.6	58
21/01/2023 05:00	1.3	43	11	1.6	0	25.6	58
21/01/2023 05:10	1.3	44	7	1.6	0	25.7	57
21/01/2023 05:20	1.2	68	7	1.4	0	25.9	56
21/01/2023 05:30	1.2	58	6	1.5	0	25.9	56
21/01/2023 05:40	1.4	77	10	2.2	0	25.9	55
21/01/2023 05:50	0.9	60	17	1.7	0	25.9	55
21/01/2023 06:00	1.4	46	9	2.1	0	26	54
21/01/2023 06:10	1.8	53	9	2.4	0	26.2	54
21/01/2023 06:20	3.2	76	6	4.2	0	26.6	53
21/01/2023 06:30	3.2	81	8	4.3	0	27.2	54
21/01/2023 06:40	2.9	78	7	3.9	0	27.5	55
21/01/2023 06:50	3.2	83	8	4.4	0	27.9	56
21/01/2023 07:00	3.4	73	9	5.1	0	28.2	57
21/01/2023 07:10	3.7	76	10	5.2	0	28.5	58
21/01/2023 07:20	3.2	40	10	4.5	0	28.3	59
21/01/2023 07:30	3.3	52	10	4.7	0	28.6	59
21/01/2023 07:40	4.4	65	9	6.4	0	28.8	61
21/01/2023 07:50	4.2	64	7	5.6	0	29.1	62
21/01/2023 08:00	4.6	75	6	6.3	0	29.5	63
21/01/2023 08:10	4.4	73	9	5.7	0	29.6	64
21/01/2023 08:20	4.2	72	10	5.4	0	29.9	64



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/01/2023 08:30	4.2	74	9	5.7	0	30.1	64
21/01/2023 08:40	4.9	83	7	6.3	0	30	64
21/01/2023 08:50	5.2	85	7	7.1	0	30.1	64
21/01/2023 09:00	4.5	66	12	6.3	0	30.3	64
21/01/2023 09:10	4.5	70	9	6.5	0	30.2	64
21/01/2023 09:20	4.4	71	12	6	0	30.3	64
21/01/2023 09:30	4.5	66	13	6	0	30.2	64
21/01/2023 09:40	4.3	72	14	6.1	0	30.6	64
21/01/2023 09:50	5.1	85	7	6.9	0	30.6	64
21/01/2023 10:00	4.8	81	8	6.5	0	30.5	64
21/01/2023 10:10	4.7	79	11	6.2	0	30.6	63
21/01/2023 10:20	4.9	83	11	6.7	0	30.9	63
21/01/2023 10:30	4.8	82	9	6.3	0	30.7	64
21/01/2023 10:40	4.4	81	7	5.7	0	31.1	61
21/01/2023 10:50	4.5	83	8	6.2	0	31.2	61
21/01/2023 11:00	4.3	85	14	6.7	0	31.4	61
21/01/2023 11:10	4.4	77	13	6.4	0	31.7	59
21/01/2023 11:20	4.6	78	9	6.5	0	31.4	59
21/01/2023 11:30	4.8	65	13	7	0	31.7	61
21/01/2023 11:40	4.8	60	13	6.7	0	31.4	62
21/01/2023 11:50	4.5	66	12	7.1	0	31.6	60
21/01/2023 12:00	4.9	71	11	7.7	0	31.9	60
21/01/2023 12:10	4.5	58	13	6.3	0	31.9	57
21/01/2023 12:20	4.8	63	16	6.5	0	32.3	56
21/01/2023 12:30	5.1	59	10	7.3	0	32	56
21/01/2023 12:40	5	55	12	7.2	0	32.2	56
21/01/2023 12:50	5.5	69	12	7.8	0	32.2	57
21/01/2023 13:00	5.7	75	10	7.6	0	32.4	57
21/01/2023 13:10	5.2	73	10	7.2	0	32.3	57
21/01/2023 13:20	4.9	69	13	7.2	0	32.3	59
21/01/2023 13:30	4.5	63	13	6.7	0	32.4	56
21/01/2023 13:40	4.9	64	12	6.7	0	32.4	56
21/01/2023 13:50	5.3	66	11	7.4	0	32.5	55
21/01/2023 14:00	5.5	70	12	7.4	0	32.8	54
21/01/2023 14:10	4.3	45	22	7.1	0	32.7	54
21/01/2023 14:20	4.1	38	16	5.9	0	33	53
21/01/2023 14:30	4.9	15	11	7.8	0	32.3	59
21/01/2023 14:40	5	184	18	7.1	0	32.7	57
21/01/2023 14:50	4.3	184	17	6.4	0	32.7	57
21/01/2023 15:00	5.3	12	11	7.6	0	32.2	58
21/01/2023 15:10	5.5	6	12	7.7	0	32.1	60
21/01/2023 15:20	5.8	8	11	7.5	0	31.9	61
21/01/2023 15:30	5.6	8	11	7.6	0	31.5	63
21/01/2023 15:40	5.8	9	10	7.6	0	31.8	62
21/01/2023 15:50	5.5	8	12	7.1	0	31.1	63
21/01/2023 16:00	4.9	9	11	6.5	0	31.6	62
21/01/2023 16:10	5	7	10	6.9	0	32	60
21/01/2023 16:20	4.6	18	9	6.5	0	31.7	61



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/01/2023 16:30	5.2	14	8	6.6	0	31.5	62
21/01/2023 16:40	5.1	10	8	6.8	0	30.8	64
21/01/2023 16:50	4.9	13	8	6.3	0	30.8	64
21/01/2023 17:00	4.4	184	12	5.9	0	31.3	63
21/01/2023 17:10	4.4	334	18	7.2	0	30.5	65
21/01/2023 17:20	4.5	334	12	6.9	0	29.9	67
21/01/2023 17:30	4.2	339	13	5.6	0	30.1	66
21/01/2023 17:40	4.6	340	18	6.6	0	30.2	65
21/01/2023 17:50	4.4	333	16	6.5	0	30.6	64
21/01/2023 18:00	5.2	329	10	7.3	0	30	66
21/01/2023 18:10	4.4	323	10	6.7	0	29.7	66
21/01/2023 18:20	5	331	9	7	0	29.5	67
21/01/2023 18:30	5.1	336	9	6.9	0	29.2	67
21/01/2023 18:40	4.5	341	10	6.5	0	29.1	67
21/01/2023 18:50	4.6	346	11	6	0	28.8	67
21/01/2023 19:00	3.5	337	15	5.2	0	28.8	67
21/01/2023 19:10	3.6	336	10	4.9	0	28.7	67
21/01/2023 19:20	3.6	328	8	4.9	0	28.6	67
21/01/2023 19:30	3.5	315	7	4.9	0	28.6	66
21/01/2023 19:40	2.9	323	10	4	0	28.5	66
21/01/2023 19:50	2.9	345	15	4.2	0	28.6	66
21/01/2023 20:00	3.2	346	11	4.6	0	28.6	66
21/01/2023 20:10	2.8	347	15	4.1	0	28.5	66
21/01/2023 20:20	2.4	349	16	3.2	0	28.5	66
21/01/2023 20:30	2.4	350	14	3.4	0	28.5	66
21/01/2023 20:40	2.6	350	14	3.9	0	28.5	66
21/01/2023 20:50	2.6	178	17	3.8	0	28.5	66
21/01/2023 21:00	2.9	352	14	4.3	0	28.5	66
21/01/2023 21:10	2.4	348	18	3.6	0	28.4	66
21/01/2023 21:20	2.8	338	10	3.6	0	28.4	66
21/01/2023 21:30	1.7	340	19	2.7	0	28.3	66
21/01/2023 21:40	2.3	339	12	3.2	0	28.3	66
21/01/2023 21:50	1.8	307	12	2.5	0	28.3	66
21/01/2023 22:00	1.5	310	19	2.4	0	28.2	66
21/01/2023 22:10	1.8	320	13	2.4	0	28.2	66
21/01/2023 22:20	1.8	317	10	2.3	0	28.2	66
21/01/2023 22:30	2.5	342	11	3.4	0	28.2	66
21/01/2023 22:40	1.9	337	11	2.6	0	28.1	66
21/01/2023 22:50	1.6	324	11	2.3	0	28.1	66
21/01/2023 23:00	1.7	158	17	2.2	0	28.1	66
21/01/2023 23:10	1.4	187	12	2.1	0	28.1	66
21/01/2023 23:20	1.3	14	12	1.8	0	28.1	66
21/01/2023 23:30	1.4	173	12	1.7	0	28.1	66
21/01/2023 23:40	1.3	331	11	1.8	0	28	66
21/01/2023 23:50	1.5	346	8	1.9	0	28	66
22/01/2023 00:00	1.5	188	14	1.9	0	27.9	66
22/01/2023 00:10	1.6	23	8	2.2	0	27.9	66
22/01/2023 00:20	1.4	346	10	1.8	0	27.8	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/01/2023 00:30	1.4	352	11	2	0	27.8	66
22/01/2023 00:40	1.4	174	9	1.7	0	27.7	66
22/01/2023 00:50	1.9	349	10	2.6	0	27.8	66
22/01/2023 01:00	2.1	341	8	2.6	0	27.8	66
22/01/2023 01:10	2	337	13	2.7	0	27.8	66
22/01/2023 01:20	1.5	321	13	2	0	27.8	66
22/01/2023 01:30	1.6	318	14	2.1	0	27.8	66
22/01/2023 01:40	1.5	303	13	2.2	0	27.7	66
22/01/2023 01:50	1.4	302	14	2	0	27.7	66
22/01/2023 02:00	1.9	300	7	2.4	0	27.7	66
22/01/2023 02:10	2	304	6	2.4	0	27.7	65
22/01/2023 02:20	1.5	297	9	2	0	27.6	65
22/01/2023 02:30	1.3	342	12	1.7	0	27.6	65
22/01/2023 02:40	1.8	353	7	2.2	0	27.6	65
22/01/2023 02:50	1.9	179	10	2.2	0	27.5	65
22/01/2023 03:00	1.7	2	10	2.2	0	27.5	65
22/01/2023 03:10	1.2	357	12	1.5	0	27.4	65
22/01/2023 03:20	1.3	343	8	1.6	0	27.4	64
22/01/2023 03:30	1.5	345	7	1.8	0	27.4	64
22/01/2023 03:40	1.6	343	9	1.9	0	27.4	64
22/01/2023 03:50	1.8	319	8	2.3	0	27.3	64
22/01/2023 04:00	2.2	312	6	3	0	27.4	64
22/01/2023 04:10	2.2	324	9	2.9	0	27.4	64
22/01/2023 04:20	2	339	10	3.3	0	27.4	64
22/01/2023 04:30	2.4	320	11	3.2	0	27.3	64
22/01/2023 04:40	2.3	299	11	3.3	0	27.3	64
22/01/2023 04:50	2.1	287	8	2.9	0	27.3	64
22/01/2023 05:00	2.2	266	10	2.9	0	27.3	64
22/01/2023 05:10	1.8	290	8	2.4	0	27.3	64
22/01/2023 05:20	1.7	287	5	2	0	27.3	64
22/01/2023 05:30	1.7	286	7	2	0	27.2	64
22/01/2023 05:40	1.8	292	6	2.4	0	27.3	64
22/01/2023 05:50	1.9	282	6	2.2	0	27.3	64
22/01/2023 06:00	1.8	295	6	2.2	0	27.3	64
22/01/2023 06:10	1.8	303	5	2.1	0	27.3	64
22/01/2023 06:20	2	296	6	2.6	0	27.4	64
22/01/2023 06:30	2.4	288	11	2.9	0	27.6	64
22/01/2023 06:40	2.4	277	8	3.1	0	27.9	65
22/01/2023 06:50	2.2	282	11	3	0	28.1	65
22/01/2023 07:00	1.8	272	10	2.8	0	28	65
22/01/2023 07:10	1.3	267	21	2.2	0	28.3	66
22/01/2023 07:20	1.6	283	19	2.3	0	28.3	66
22/01/2023 07:30	1.7	278	15	2.2	0	28.4	66
22/01/2023 07:40	1	277	29	1.8	0	28.5	66
22/01/2023 07:50	0.8	234	31	1.3	0	28.6	66
22/01/2023 08:00	1.5	302	16	2.3	0	28.9	66
22/01/2023 08:10	1.1	323	29	2.2	0	29.9	66
22/01/2023 08:20	1.3	288	50	2.6	0	30.7	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/01/2023 08:30	1.7	274	26	2.8	0	30.8	64
22/01/2023 08:40	1.9	268	26	3.1	0	30.8	65
22/01/2023 08:50	1.1	220	70	2.5	0	31.2	64
22/01/2023 09:00	1.7	272	73	2.9	0	31.7	63
22/01/2023 09:10	2.1	338	37	3.3	0	31.1	64
22/01/2023 09:20	2.3	297	28	4	0	31.8	63
22/01/2023 09:30	1.9	267	27	3.3	0	31	64
22/01/2023 09:40	2.5	276	25	3.9	0	31.2	64
22/01/2023 09:50	1.8	290	28	3.3	0	31.2	64
22/01/2023 10:00	1.4	303	40	2.7	0	31.5	62
22/01/2023 10:10	1.2	327	47	2.3	0	32.5	60
22/01/2023 10:20	2.1	323	26	3.9	0	31.8	62
22/01/2023 10:30	1.1	75	60	2.6	0	32.1	61
22/01/2023 10:40	1.8	163	35	3.3	0	32.6	60
22/01/2023 10:50	2.7	71	53	4.4	0	32.9	56
22/01/2023 11:00	3.6	342	25	5.3	0	32.5	61
22/01/2023 11:10	4.3	331	15	6.2	0	32.1	61
22/01/2023 11:20	4.5	336	16	6.2	0	32	61
22/01/2023 11:30	4.4	345	13	6.3	0	32	61
22/01/2023 11:40	4.3	341	14	5.9	0	32.1	61
22/01/2023 11:50	4.4	330	16	6.1	0	32.2	61
22/01/2023 12:00	4.8	332	15	7	0	32.1	61
22/01/2023 12:10	5	350	12	6.6	0	32.3	61
22/01/2023 12:20	4.7	346	16	6.1	0	32.2	61
22/01/2023 12:30	4.4	340	15	6.1	0	32	62
22/01/2023 12:40	4.1	341	16	5.5	0	32.3	61
22/01/2023 12:50	4.7	180	13	6.4	0	32	62
22/01/2023 13:00	4.5	352	16	6.5	0	32	62
22/01/2023 13:10	4.1	332	17	6.6	0	32.3	61
22/01/2023 13:20	4	337	21	6.3	0	32.1	62
22/01/2023 13:30	3.9	351	20	6.4	0	32.6	60
22/01/2023 13:40	3.8	352	18	6.1	0	32.3	61
22/01/2023 13:50	3.9	343	14	5.5	0	32.5	61
22/01/2023 14:00	4.7	342	15	6.4	0	32.5	61
22/01/2023 14:10	4	330	19	6.3	0	32.7	61
22/01/2023 14:20	4.8	333	15	7.1	0	32.4	61
22/01/2023 14:30	4.7	336	16	7.3	0	32.5	61
22/01/2023 14:40	4.4	350	14	6.1	0	32.6	60
22/01/2023 14:50	4.9	336	12	6.6	0	32.2	61
22/01/2023 15:00	4.2	352	15	7	0	32.7	60
22/01/2023 15:10	5.1	15	9	6.6	0	32.6	60
22/01/2023 15:20	5	11	11	6.7	0	32	61
22/01/2023 15:30	4.7	10	12	6.7	0	32.4	61
22/01/2023 15:40	4.9	347	16	6.6	0	32.3	61
22/01/2023 15:50	4.6	333	14	6.8	0	32.2	62
22/01/2023 16:00	5.1	344	18	7.4	0	31.9	62
22/01/2023 16:10	5.8	11	7	7.4	0	32	61
22/01/2023 16:20	5.7	10	10	7.7	0	31.8	62



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/01/2023 16:30	5.6	10	11	7.7	0	31.9	61
22/01/2023 16:40	6.1	14	7	7.9	0	31.7	62
22/01/2023 16:50	5.2	180	16	7.7	0	31.8	62
22/01/2023 17:00	5.6	345	13	7.8	0	31.3	63
22/01/2023 17:10	5.4	347	12	7.3	0	30.9	65
22/01/2023 17:20	5.8	337	12	7.8	0	30.6	66
22/01/2023 17:30	5.8	347	11	8.2	0	30.4	66
22/01/2023 17:40	5.8	348	13	8.1	0	30.4	65
22/01/2023 17:50	5.4	348	11	7.2	0	30.4	66
22/01/2023 18:00	4.8	338	12	6.6	0	30.5	65
22/01/2023 18:10	4.8	323	13	6.5	0	30.3	66
22/01/2023 18:20	3.9	333	14	6.4	0	30.2	66
22/01/2023 18:30	4.9	326	9	6.6	0	29.9	66
22/01/2023 18:40	4.3	310	11	6.2	0	29.6	67
22/01/2023 18:50	4.2	308	11	5.7	0	29.5	67
22/01/2023 19:00	4.2	309	10	6.3	0	29.3	67
22/01/2023 19:10	3.8	308	12	5.5	0	29.2	67
22/01/2023 19:20	3	309	12	4.7	0	29.2	66
22/01/2023 19:30	2.9	308	13	4.2	0	29.3	66
22/01/2023 19:40	3.5	298	10	5.3	0	29.2	67
22/01/2023 19:50	3.5	300	11	5.2	0	29.2	68
22/01/2023 20:00	2.8	295	11	3.9	0	29.1	68
22/01/2023 20:10	3.3	316	8	4.5	0	29	68
22/01/2023 20:20	2.7	304	15	3.9	0	29	68
22/01/2023 20:30	3	272	10	4.1	0	29	68
22/01/2023 20:40	2.7	290	9	3.8	0	28.9	68
22/01/2023 20:50	2.6	284	8	3.7	0	28.8	68
22/01/2023 21:00	2.8	285	7	3.9	0	28.7	68
22/01/2023 21:10	2.7	299	11	3.9	0	28.7	68
22/01/2023 21:20	2.5	302	12	4	0	28.7	68
22/01/2023 21:30	2.8	276	15	4.3	0	28.7	68
22/01/2023 21:40	2.9	277	9	3.8	0	28.7	68
22/01/2023 21:50	2.5	287	9	3.6	0	28.7	68
22/01/2023 22:00	3.3	280	7	4.3	0	28.6	68
22/01/2023 22:10	3.1	275	9	4.3	0	28.5	68
22/01/2023 22:20	2.9	281	8	3.8	0	28.5	68
22/01/2023 22:30	3.2	291	10	4.1	0	28.4	68
22/01/2023 22:40	3.8	273	8	5	0	28.4	68
22/01/2023 22:50	4	280	7	5.1	0	28.4	68
22/01/2023 23:00	3.2	278	7	4.7	0	28.4	68
22/01/2023 23:10	3.9	278	7	4.8	0	28.5	68
22/01/2023 23:20	4	273	7	5	0	28.5	68
22/01/2023 23:30	3.6	272	6	4.7	0	28.5	68
22/01/2023 23:40	3.5	282	7	4.7	0	28.3	68
22/01/2023 23:50	3.2	287	7	4.4	0	28.3	68
23/01/2023 00:00	3.3	288	8	4.6	0	28.4	68
23/01/2023 00:10	3.8	289	6	5	0	28.3	68
23/01/2023 00:20	4.2	289	6	5.3	0	28.3	69



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/01/2023 00:30	4.5	285	6	5.9	0	28	68
23/01/2023 00:40	4.4	279	6	5.6	0	28.2	68
23/01/2023 00:50	4.2	279	7	5.5	0	28.3	69
23/01/2023 01:00	4.4	283	7	5.8	0	28.3	69
23/01/2023 01:10	4.8	268	7	7	0	28.2	68
23/01/2023 01:20	4.4	280	7	5.6	0	28.3	68
23/01/2023 01:30	4	280	7	5.3	0	28.3	68
23/01/2023 01:40	4	277	7	5.3	0	28.3	69
23/01/2023 01:50	4.2	270	8	5.3	0	28.3	68
23/01/2023 02:00	4.2	273	6	5.3	0	28.3	68
23/01/2023 02:10	3.5	269	8	4.5	0	28.3	68
23/01/2023 02:20	4.3	269	7	5.4	0	28.3	68
23/01/2023 02:30	4	273	6	5.1	0	28.3	68
23/01/2023 02:40	4.3	267	6	5.4	0	28.2	67
23/01/2023 02:50	4.5	268	7	5.5	0	28.2	67
23/01/2023 03:00	3.8	269	7	4.9	0	28.2	66
23/01/2023 03:10	4	269	7	4.9	0	28.2	66
23/01/2023 03:20	3.5	271	8	4.8	0	28.2	65
23/01/2023 03:30	3.8	264	6	4.4	0	28.2	65
23/01/2023 03:40	3.3	271	7	4.5	0	28.3	64
23/01/2023 03:50	3.5	264	7	4.5	0	28.3	64
23/01/2023 04:00	3.7	259	5	4.8	0	28.3	63
23/01/2023 04:10	3.4	262	7	4.2	0	28.2	62
23/01/2023 04:20	3.5	264	5	4.3	0	28.2	62
23/01/2023 04:30	3.3	264	6	4.1	0	28.1	61
23/01/2023 04:40	3	264	6	3.9	0	28.1	61
23/01/2023 04:50	3.3	260	6	4.3	0	28	60
23/01/2023 05:00	3.2	260	8	4.1	0	28	60
23/01/2023 05:10	2.8	247	12	4	0	28.1	60
23/01/2023 05:20	2.6	252	12	4	0	28.1	60
23/01/2023 05:30	2.2	227	12	3.5	0	28.2	61
23/01/2023 05:40	2.1	219	10	3.3	0	28.3	62
23/01/2023 05:50	2.2	209	10	3.4	0	28.2	63
23/01/2023 06:00	2	204	10	2.7	0	28.2	63
23/01/2023 06:10	2.4	195	8	3.2	0	28.2	63
23/01/2023 06:20	2.7	202	9	3.7	0	28.3	63
23/01/2023 06:30	2.5	203	9	3.5	0	28.5	64
23/01/2023 06:40	2.8	205	8	4.3	0	28.7	64
23/01/2023 06:50	2.7	204	10	3.9	0	28.9	65
23/01/2023 07:00	2.4	210	11	3.5	0	29.2	65
23/01/2023 07:10	2.8	195	11	3.9	0	29.4	66
23/01/2023 07:20	2.5	185	10	3.5	0	29.6	66
23/01/2023 07:30	2.5	194	14	3.8	0	29.8	66
23/01/2023 07:40	3.1	191	11	4.6	0	30	66
23/01/2023 07:50	2.5	199	12	4.1	0	30.3	66
23/01/2023 08:00	2.6	200	16	4.4	0	30.4	66
23/01/2023 08:10	2.8	183	14	4.4	0	30.5	66
23/01/2023 08:20	3	194	18	4.7	0	30.7	65





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/01/2023 08:30	2.4	204	26	4.2	0	30.9	64
23/01/2023 08:40	2.3	209	26	3.8	0	31.3	62
23/01/2023 08:50	2.1	177	31	3.7	0	32.1	60
23/01/2023 09:00	2.1	143	22	3.3	0	32.4	59
23/01/2023 09:10	2	186	30	3.7	0	32.6	58
23/01/2023 09:20	1.8	210	45	3.2	0	32.8	57
23/01/2023 09:30	3.4	268	19	5.3	0	33	57
23/01/2023 09:40	2.9	256	22	5	0	32.7	58
23/01/2023 09:50	3	281	16	5	0	33.1	58
23/01/2023 10:00	3	288	16	4.6	0	33.1	59
23/01/2023 10:10	2.7	270	18	4.1	0	33	59
23/01/2023 10:20	2.2	282	28	4.1	0	33.3	58
23/01/2023 10:30	2.1	284	35	4.3	0	33.9	56
23/01/2023 10:40	3	327	18	4.7	0	33.4	58
23/01/2023 10:50	4.2	342	16	5.6	0	33.1	61
23/01/2023 11:00	3.8	338	14	5.4	0	33	62
23/01/2023 11:10	4.2	329	16	5.8	0	33	62
23/01/2023 11:20	4.4	330	9	6.2	0	32.9	63
23/01/2023 11:30	4	334	15	6.5	0	33.2	63
23/01/2023 11:40	4.1	330	9	5.9	0	32.9	64
23/01/2023 11:50	4.3	339	17	6.1	0	32.8	64
23/01/2023 12:00	4.7	331	13	7	0	33	64
23/01/2023 12:10	4.3	332	10	6.1	0	33.2	61
23/01/2023 12:20	4.2	329	9	5.9	0	33.3	59
23/01/2023 12:30	3.8	323	12	5.5	0	33.6	57
23/01/2023 12:40	3	331	21	4.7	0	34.1	54
23/01/2023 12:50	2.8	321	22	4.2	0	34.1	54
23/01/2023 13:00	3.6	327	10	5.4	0	34.2	54
23/01/2023 13:10	3.6	323	17	5.9	0	34.2	53
23/01/2023 13:20	3.9	314	16	6.1	0	34.4	54
23/01/2023 13:30	4.6	323	11	6.2	0	34.4	53
23/01/2023 13:40	4.8	329	10	6.3	0	34.1	53
23/01/2023 13:50	4.6	324	10	6.2	0	34.1	52
23/01/2023 14:00	4.9	327	12	6.9	0	33.9	51
23/01/2023 14:10	4.7	328	10	6.8	0	34.2	50
23/01/2023 14:20	4.7	320	8	6	0	34	53
23/01/2023 14:30	4.7	327	11	6.3	0	33.8	53
23/01/2023 14:40	4.8	332	15	6.5	0	33.9	53
23/01/2023 14:50	5.5	333	11	6.9	0	33.6	55
23/01/2023 15:00	5.1	326	10	7.3	0	33.2	58
23/01/2023 15:10	5.2	323	11	7.3	0	33.4	58
23/01/2023 15:20	6.4	324	7	8.2	0	33.3	59
23/01/2023 15:30	5.7	330	10	7.8	0	33	59
23/01/2023 15:40	5.3	332	12	7.4	0	33.2	58
23/01/2023 15:50	6	320	12	8.7	0	33.2	59
23/01/2023 16:00	5.4	326	13	7.6	0	33.1	60
23/01/2023 16:10	5.1	336	12	7.1	0	33.1	59
23/01/2023 16:20	5.7	321	13	7.9	0	32.3	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/01/2023 16:30	5.7	334	12	7.6	0	32.3	64
23/01/2023 16:40	5.7	322	12	8	0	32.1	64
23/01/2023 16:50	5.5	329	10	8	0	32.4	62
23/01/2023 17:00	5.3	323	12	7.2	0	32.3	61
23/01/2023 17:10	5.9	320	9	7.4	0	32.2	62
23/01/2023 17:20	5.8	322	8	7.2	0	31.8	62
23/01/2023 17:30	5	310	11	7.3	0	31.9	62
23/01/2023 17:40	4.8	311	13	6.9	0	31.8	61
23/01/2023 17:50	4.9	317	12	6.9	0	31.8	60
23/01/2023 18:00	5.3	311	10	7.6	0	31.8	61
23/01/2023 18:10	4.9	305	13	7.6	0	31.4	66
23/01/2023 18:20	5.5	302	12	8	0	30.9	68
23/01/2023 18:30	5.6	305	11	7.6	0	30.8	68
23/01/2023 18:40	5.9	304	10	8.4	0	30.4	68
23/01/2023 18:50	6	306	9	8.3	0	30.3	68
23/01/2023 19:00	6.1	303	9	8.3	0	30.1	68
23/01/2023 19:10	5.7	305	11	8.2	0	29.9	68
23/01/2023 19:20	6	308	8	9	0	29.7	68
23/01/2023 19:30	5	310	11	7.3	0	29.7	68
23/01/2023 19:40	5.9	310	10	7.7	0	29.7	68
23/01/2023 19:50	5.5	311	9	7.2	0	29.6	68
23/01/2023 20:00	5.3	306	9	7.5	0	29.6	68
23/01/2023 20:10	4.6	293	12	6.9	0	29.6	68
23/01/2023 20:20	5.6	289	8	7.6	0	29.4	68
23/01/2023 20:30	5.9	287	7	8	0	29.4	68
23/01/2023 20:40	5.8	291	8	7.8	0	29.3	68
23/01/2023 20:50	5.9	293	8	8	0	29.3	68
23/01/2023 21:00	5.4	286	10	7.2	0	29.3	68
23/01/2023 21:10	5.8	281	8	7.8	0	29.2	68
23/01/2023 21:20	5.2	285	9	7.1	0	29.2	68
23/01/2023 21:30	5.8	279	7	7.4	0	29.2	68
23/01/2023 21:40	5.6	275	7	7.3	0	29.2	68
23/01/2023 21:50	6.1	278	6	7.6	0	29.1	67
23/01/2023 22:00	5.3	277	8	6.9	0	29.1	67
23/01/2023 22:10	5.2	259	7	6.8	0	29.1	67
23/01/2023 22:20	5	254	6	6.6	0	29	67
23/01/2023 22:30	4.6	264	7	5.8	0	29.1	67
23/01/2023 22:40	4.6	263	6	5.6	0	29	66
23/01/2023 22:50	4.5	255	8	6.3	0	29.1	66
23/01/2023 23:00	3.6	260	9	4.9	0	29.1	66
23/01/2023 23:10	4.1	263	7	5.2	0	29.1	67
23/01/2023 23:20	4.2	266	5	5.2	0	29	67
23/01/2023 23:30	4.1	263	6	5.1	0	29.1	67
23/01/2023 23:40	4	260	7	5	0	29.1	67
23/01/2023 23:50	3.8	253	12	5.1	0	29.1	67
24/01/2023 00:00	4.5	261	5	5.6	0	29.1	67
24/01/2023 00:10	3.9	263	6	4.9	0	29.2	67
24/01/2023 00:20	3.7	264	5	4.6	0	29.1	67



# Yara Pilbara Nitrates- Western Boundary 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/01/2023 00:30	3.7	248	11	5.3	0	29.3	67
24/01/2023 00:40	3.6	241	13	5.4	0	29.6	67
24/01/2023 00:50	4	234	12	5.6	0	29.6	67
24/01/2023 01:00	4.1	230	12	5.6	0	29.6	67
24/01/2023 01:10	3	216	15	4.3	0	29.8	67
24/01/2023 01:20	4	207	7	5.6	0	29.7	67
24/01/2023 01:30	4.3	195	11	6.4	0	29.8	67
24/01/2023 01:40	5.6	151	21	10.9	0	29.2	68
24/01/2023 01:50	7.7	108	12	12.2	0	28.1	68
24/01/2023 02:00	8.1	109	11	11.8	0	27.7	67
24/01/2023 02:10	6.4	109	13	10.2	0	27.5	67
24/01/2023 02:20	6.4	110	13	9.9	0	27.4	67
24/01/2023 02:30	7.1	109	10	10.8	0	27.3	67
24/01/2023 02:40	6.9	112	11	12	0	27.1	67
24/01/2023 02:50	8.2	111	8	12.1	0	27.2	67
24/01/2023 03:00	5.9	113	14	10.4	0	27.1	67
24/01/2023 03:10	6.9	111	9	10.3	0	27	68
24/01/2023 03:20	6.6	110	10	10.1	0	27.1	68
24/01/2023 03:30	5.8	108	11	9	0	27	68
24/01/2023 03:40	5.9	111	10	8.4	0	26.9	68
24/01/2023 03:50	5.4	112	10	8.6	0	26.9	68
24/01/2023 04:00	5.1	115	11	8.1	0	26.9	68
24/01/2023 04:10	3.9	119	17	6.7	0	27	68
24/01/2023 04:20	4.3	111	10	6.7	0	26.9	68
24/01/2023 04:30	4.1	115	12	6.8	0	26.9	68
24/01/2023 04:40	4.6	116	9	6.8	0	26.8	68
24/01/2023 04:50	5.1	115	10	7	0	26.8	68
24/01/2023 05:00	4.7	114	10	6.8	0	26.9	68
24/01/2023 05:10	5.2	96	11	7.1	0	26.9	68
24/01/2023 05:20	4.7	93	9	6.9	0	26.8	68
24/01/2023 05:30	4.7	90	12	6.7	0	26.9	68
24/01/2023 05:40	5	85	7	7.4	0	27	68
24/01/2023 05:50	4.1	77	7	5.7	0	27	68
24/01/2023 06:00	4.5	76	6	6.5	0	27.1	68
24/01/2023 06:10	5.1	81	6	6.7	0	27.1	68
24/01/2023 06:20	5	83	8	6.8	0	27.3	68
24/01/2023 06:30	5.5	81	8	7.3	0	27.5	68
24/01/2023 06:40	6.5	80	7	9.5	0	27.7	68
24/01/2023 06:50	7.9	82	8	10.4	0	27.8	68
24/01/2023 07:00	7.6	79	7	11.1	0	27.9	68
24/01/2023 07:10	7.7	81	7	10.1	0	28.2	68
24/01/2023 07:20	7.3	78	7	11.1	0	28.1	68
24/01/2023 07:30	7.6	78	7	10.2	0	28.2	68
24/01/2023 07:40	7.4	79	7	9.8	0	28.4	68
24/01/2023 07:50	7.4	80	8	10	0	28.5	68
24/01/2023 08:00	7.6	76	6	10	0	28.6	68
24/01/2023 08:10	7.5	79	7	9.6	0	28.7	68
24/01/2023 08:20	6.8	77	7	8.5	0	28.9	68



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/01/2023 08:30	6.8	80	8	9	0	29	68
24/01/2023 08:40	6.5	78	9	8.5	0	29.3	68
24/01/2023 08:50	6.1	86	8	8.1	0	29.9	67
24/01/2023 09:00	7	88	9	9.4	0	30.2	67
24/01/2023 09:10	6.5	85	10	8.9	0	30.5	66
24/01/2023 09:20	7.1	83	9	10.1	0	30.3	67
24/01/2023 09:30	7.2	84	9	9.3	0	30.4	66
24/01/2023 09:40	7.5	83	9	10.7	0	30.4	66
24/01/2023 09:50	5.8	94	13	9	0	30.5	67
24/01/2023 10:00	5.9	92	14	8.4	0	30.6	67
24/01/2023 10:10	6.2	90	12	9.3	0	30.4	67
24/01/2023 10:20	6.8	87	11	9.3	0	30.3	67
24/01/2023 10:30	6.2	88	11	8.6	0	30.3	67
24/01/2023 10:40	5.7	95	14	8.7	0	30.4	67
24/01/2023 10:50	6.4	92	12	8.8	0	30.4	66
24/01/2023 11:00	6.5	91	10	9.8	0	30.4	66
24/01/2023 11:10	6	87	14	9.2	0	30.5	65
24/01/2023 11:20	6.1	87	12	8.8	0	31.1	64
24/01/2023 11:30	6.2	75	11	9	0	30.8	64
24/01/2023 11:40	5.8	75	13	8.3	0	30.7	64
24/01/2023 11:50	5.5	68	15	8	0	30.7	65
24/01/2023 12:00	5	62	14	7.8	0	31	64
24/01/2023 12:10	5	62	13	7.8	0	30.9	64
24/01/2023 12:20	5.3	67	10	7.4	0	30.8	64
24/01/2023 12:30	5.5	72	11	8.2	0	31.1	63
24/01/2023 12:40	5.2	71	13	7.6	0	31.3	63
24/01/2023 12:50	5	72	13	7.2	0	31.6	61
24/01/2023 13:00	5	76	11	7.1	0	31.8	60
24/01/2023 13:10	4.7	56	12	6.6	0	32.2	58
24/01/2023 13:20	4.1	64	15	6.5	0	32.6	57
24/01/2023 13:30	4.4	67	10	6.6	0	32.7	56
24/01/2023 13:40	4.6	63	14	6.3	0	33	56
24/01/2023 13:50	4.6	61	10	6.2	0	32.9	57
24/01/2023 14:00	4.3	64	12	6	0	33	57
24/01/2023 14:10	4.3	37	19	8.8	0	33	58
24/01/2023 14:20	4.5	10	10	6.2	0	33.1	58
24/01/2023 14:30	4.4	12	12	6.1	0	32.6	59
24/01/2023 14:40	4.1	356	18	6.1	0	32.9	59
24/01/2023 14:50	4.6	176	18	7.3	0	32.6	60
24/01/2023 15:00	5.3	339	15	7.1	0	32.7	61
24/01/2023 15:10	5.7	350	16	7.8	0	32.4	62
24/01/2023 15:20	5.4	351	17	7.6	0	32.6	62
24/01/2023 15:30	5.5	180	16	8.5	0	32.6	61
24/01/2023 15:40	5.8	354	16	8.5	0	32.6	60
24/01/2023 15:50	6.5	359	15	9.2	0	32.1	61
24/01/2023 16:00	6.3	351	15	9.7	0	31.8	62
24/01/2023 16:10	7.2	176	12	10.1	0	31.6	62
24/01/2023 16:20	6.2	352	14	9.2	0	31.7	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/01/2023 16:30	7.2	353	11	9.3	0	31	66
24/01/2023 16:40	7	354	11	9.4	0	30.9	67
24/01/2023 16:50	6.6	348	12	9.3	0	30.8	67
24/01/2023 17:00	6.2	344	14	8.4	0	30.2	68
24/01/2023 17:10	6.1	340	11	8.6	0	30.2	68
24/01/2023 17:20	5.7	342	13	8.5	0	30.7	66
24/01/2023 17:30	5.4	313	14	8.3	0	30.2	67
24/01/2023 17:40	4.5	304	10	7	0	30	68
24/01/2023 17:50	4.4	302	12	6.3	0	29.7	69
24/01/2023 18:00	4.6	322	10	6.3	0	29.6	69
24/01/2023 18:10	4.5	313	9	6.1	0	29.5	69
24/01/2023 18:20	4	321	10	5.8	0	29.7	68
24/01/2023 18:30	4.3	311	13	6.4	0	29.8	68
24/01/2023 18:40	3.5	319	14	5.1	0	29.7	69
24/01/2023 18:50	4.1	315	10	6	0	29.6	69
24/01/2023 19:00	4.3	314	11	6	0	29.4	69
24/01/2023 19:10	3.4	298	17	5	0	29.3	69
24/01/2023 19:20	3.8	288	10	5.8	0	29.4	69
24/01/2023 19:30	4.2	283	13	5.7	0	29.3	69
24/01/2023 19:40	3.2	276	8	4.5	0	29.3	69
24/01/2023 19:50	3.3	280	8	4.5	0	29.3	69
24/01/2023 20:00	3	288	11	4.2	0	29.3	69
24/01/2023 20:10	3	282	11	4.6	0	29.4	69
24/01/2023 20:20	2.4	287	13	3.5	0	29.4	69
24/01/2023 20:30	3.3	287	10	4.6	0	29.3	69
24/01/2023 20:40	3.3	288	10	4.6	0	29.2	69
24/01/2023 20:50	3.2	283	9	5.1	0	29.2	68
24/01/2023 21:00	3.7	287	11	4.8	0	29.2	68
24/01/2023 21:10	3.2	286	12	4.3	0	29.2	68
24/01/2023 21:20	3.6	281	11	5.1	0	29.1	68
24/01/2023 21:30	4.3	274	8	5.8	0	29.1	68
24/01/2023 21:40	5.1	269	7	6.9	0	29.3	68
24/01/2023 21:50	5.3	259	8	6.6	0	29.2	68
24/01/2023 22:00	4.1	270	6	5.2	0	29.2	68
24/01/2023 22:10	3.5	263	7	4.4	0	29.2	68
24/01/2023 22:20	3.4	265	7	4.4	0	29.3	68
24/01/2023 22:30	2.5	267	9	3.7	0	29.3	68
24/01/2023 22:40	1.7	283	12	2.3	0	29.3	67
24/01/2023 22:50	2.4	285	9	3.6	0	29.2	67
24/01/2023 23:00	3.2	269	8	4.2	0	29.2	67
24/01/2023 23:10	3.3	260	8	4.4	0	29.2	67
24/01/2023 23:20	3.3	252	14	5.1	0	29.3	67
24/01/2023 23:30	2.8	267	7	3.8	0	29.2	67
24/01/2023 23:40	2.7	259	10	3.8	0	29.2	67
24/01/2023 23:50	2.5	240	14	3.6	0	29.3	67
25/01/2023 00:00	3.2	245	11	4.4	0	29.3	67
26/01/2023 00:10	5.1	258	6	6.5	0	29.9	68
26/01/2023 00:20	5.2	256	7	6.9	0	29.9	68



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/01/2023 00:30	4.9	253	10	6.8	0	30	68
26/01/2023 00:40	5	249	10	6.7	0	30.1	68
26/01/2023 00:50	5.8	248	10	9	0	30.3	68
26/01/2023 01:00	6.3	250	9	9.2	0	30.2	68
26/01/2023 01:10	6.5	248	10	9	0	30.1	68
26/01/2023 01:20	5.4	237	10	8.5	0	30.1	69
26/01/2023 01:30	5.8	236	9	8.3	0	30.1	69
26/01/2023 01:40	5.5	239	10	8.8	0	30	69
26/01/2023 01:50	5	247	10	7.1	0	29.9	69
26/01/2023 02:00	4.7	238	10	6.6	0	30	69
26/01/2023 02:10	5	245	11	7.5	0	30.1	68
26/01/2023 02:20	5.5	257	9	8.2	0	30	68
26/01/2023 02:30	4.9	254	9	6.4	0	29.9	68
26/01/2023 02:40	4.5	254	10	6.2	0	30	68
26/01/2023 02:50	4.3	248	10	5.7	0	30	68
26/01/2023 03:00	4.4	244	13	6.6	0	30.1	68
26/01/2023 03:10	4.8	235	11	8	0	30.1	69
26/01/2023 03:20	4.6	241	11	6.6	0	30	69
26/01/2023 03:30	4.9	242	10	6.6	0	29.9	69
26/01/2023 03:40	5.3	243	11	7.2	0	29.8	69
26/01/2023 03:50	4.5	238	12	6.5	0	29.8	69
26/01/2023 04:00	4.2	237	13	6.6	0	29.8	69
26/01/2023 04:10	4.7	235	11	6.7	0	29.7	69
26/01/2023 04:20	4.5	238	11	7.5	0	29.7	68
26/01/2023 04:30	4.6	231	13	7	0	29.6	68
26/01/2023 04:40	3.8	224	12	6.4	0	29.6	68
26/01/2023 04:50	2.9	219	14	4.7	0	29.5	68
26/01/2023 05:00	3.7	216	11	5.1	0	29.4	68
26/01/2023 05:10	3.5	234	13	5.6	0	29.3	68
26/01/2023 05:20	3.9	241	13	5.4	0	29.3	68
26/01/2023 05:30	2.9	216	14	4.3	0	29.2	67
26/01/2023 05:40	3.1	212	11	4.7	0	29.3	67
26/01/2023 05:50	3.5	211	12	5.5	0	29.5	65
26/01/2023 06:00	2.7	224	14	4.3	0	29.6	65
26/01/2023 06:10	2.9	258	12	4.2	0	29.4	66
26/01/2023 06:20	3.8	259	8	4.9	0	29.2	67
26/01/2023 06:30	3.5	258	10	4.8	0	29.4	66
26/01/2023 06:40	2.9	256	11	5	0	29.7	66
26/01/2023 06:50	2.3	225	19	4.3	0	30.3	64
26/01/2023 07:00	3	240	16	4.5	0	30.7	63
26/01/2023 07:10	3.8	241	10	5.4	0	30.9	62
26/01/2023 07:20	4.3	243	9	5.6	0	31	61
26/01/2023 07:30	4.2	241	9	6	0	31.2	60
26/01/2023 07:40	4	237	12	5.6	0	31.4	59
26/01/2023 07:50	3.8	249	12	5.2	0	32	58
26/01/2023 08:00	4.1	253	10	6.1	0	32.3	57
26/01/2023 08:10	4.2	250	11	5.8	0	32.6	56
26/01/2023 08:20	3.9	242	13	5.7	0	32.7	55



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/01/2023 08:30	3.8	248	13	5.5	0	33.3	53
26/01/2023 08:40	4.1	234	13	6.4	0	34	51
26/01/2023 08:50	4.4	229	13	6.2	0	34	50
26/01/2023 09:00	4.4	234	11	6.4	0	34.3	49
26/01/2023 09:10	4.6	238	9	6.3	0	34.2	49
26/01/2023 09:20	4.4	234	14	6.3	0	34.3	49
26/01/2023 09:30	3.9	236	20	6	0	34.9	48
26/01/2023 09:40	4.2	232	14	6	0	34.8	48
26/01/2023 09:50	4.2	240	11	6	0	35.1	47
26/01/2023 10:00	3.7	246	12	5.4	0	35.3	46
26/01/2023 10:10	3.3	244	23	5.8	0	36	44
26/01/2023 10:20	3.2	237	20	6.3	0	36.3	43
26/01/2023 10:30	4.3	271	13	7.2	0	36.1	47
26/01/2023 10:40	4	274	13	6	0	36	48
26/01/2023 10:50	4.3	283	15	5.5	0	36.1	49
26/01/2023 11:00	3.8	287	12	5.6	0	36.3	48
26/01/2023 11:10	3.5	303	16	5.2	0	36.4	47
26/01/2023 11:20	3.7	281	17	6.3	0	36.6	46
26/01/2023 11:30	3.8	284	15	5.4	0	36.4	47
26/01/2023 11:40	4.3	267	14	6	0	36.8	47
26/01/2023 11:50	4.2	270	11	5.8	0	36.9	46
26/01/2023 12:00	4.3	265	10	6	0	36.6	47
26/01/2023 12:10	4.1	276	11	6.3	0	36.5	48
26/01/2023 12:20	4.3	267	11	5.7	0	36.6	48
26/01/2023 12:30	4.7	271	11	6.2	0	36.9	48
26/01/2023 12:40	4.7	281	11	6.4	0	36.7	49
26/01/2023 12:50	3.7	305	22	6.5	0	37	48
26/01/2023 13:00	4.6	323	10	6.3	0	35.9	53
26/01/2023 13:10	3.7	309	18	6.6	0	36.3	52
26/01/2023 13:20	3.9	305	20	5.8	0	36.4	51
26/01/2023 13:30	3.9	311	13	5.7	0	36.5	51
26/01/2023 13:40	5.3	281	15	7.9	0	36.8	51
26/01/2023 13:50	5.7	278	11	8	0	35.6	55
26/01/2023 14:00	6.3	269	12	8.7	0	36	55
26/01/2023 14:10	6.4	269	7	8	0	35.4	57
26/01/2023 14:20	6.5	267	9	8.4	0	35.1	58
26/01/2023 14:30	6.5	267	8	8.3	0	35.3	58
26/01/2023 14:40	6.4	264	10	8.4	0	35.4	57
26/01/2023 14:50	6.4	273	9	8.6	0	35.4	56
26/01/2023 15:00	6.2	272	8	8.3	0	35.3	56
26/01/2023 15:10	6.4	274	10	8.3	0	35.9	52
26/01/2023 15:20	7	274	8	9.4	0	35.7	51
26/01/2023 15:30	7.4	273	7	9.3	0	35.4	51
26/01/2023 15:40	7.4	272	8	9.5	0	35.6	51
26/01/2023 15:50	7.3	270	9	9.4	0	34.9	58
26/01/2023 16:00	7.7	266	6	9.5	0	34.1	61
26/01/2023 16:10	7.8	269	8	9.5	0	34.4	57
26/01/2023 16:20	7.4	266	7	9.2	0	34.3	57



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/01/2023 16:30	6.6	265	9	8.9	0	34.5	59
26/01/2023 16:40	6.8	261	10	8.8	0	34.5	59
26/01/2023 16:50	6.6	269	11	8.8	0	34.3	59
26/01/2023 17:00	6.9	269	8	9	0	34.1	60
26/01/2023 17:10	7	273	8	9.1	0	33.8	60
26/01/2023 17:20	7.3	271	9	9.7	0	33.5	62
26/01/2023 17:30	7.6	277	6	9.5	0	33	66
26/01/2023 17:40	7.5	274	8	9.6	0	32.8	67
26/01/2023 17:50	7.4	272	7	9.7	0	32.5	67
26/01/2023 18:00	7.2	274	7	9.2	0	32.6	67
26/01/2023 18:10	7.1	271	7	9.4	0	32.5	67
26/01/2023 18:20	7.4	273	7	9.7	0	32.2	67
26/01/2023 18:30	7	269	6	9.3	0	32.1	68
26/01/2023 18:40	7.5	271	7	9.4	0	32	68
26/01/2023 18:50	7.4	268	7	9.7	0	31.8	68
26/01/2023 19:00	6.3	270	7	8.9	0	31.7	68
26/01/2023 19:10	6.1	270	7	8.4	0	31.6	68
26/01/2023 19:20	6.5	267	7	8.4	0	31.5	68
26/01/2023 19:30	6.5	270	7	8.6	0	31.4	69
26/01/2023 19:40	6	268	9	8.5	0	31.4	69
26/01/2023 19:50	6.3	267	8	8.3	0	31.4	68
26/01/2023 20:00	6.6	271	7	8.5	0	31.4	69
26/01/2023 20:10	6.4	266	7	8.2	0	31.3	69
26/01/2023 20:20	6.3	266	7	8.2	0	31.3	69
26/01/2023 20:30	6.3	262	6	8.2	0	31.3	69
26/01/2023 20:40	6.8	263	5	9.2	0	31.2	68
26/01/2023 20:50	5.9	261	6	7.7	0	31.2	68
26/01/2023 21:00	6.1	262	6	8.1	0	31.3	68
26/01/2023 21:10	6.1	260	7	7.8	0	31.2	69
26/01/2023 21:20	6.4	261	6	9	0	31.2	70
26/01/2023 21:30	7	260	6	9.5	0	31	70
26/01/2023 21:40	7.1	262	6	9.5	0	31	70
26/01/2023 21:50	7.5	260	6	10	0	30.8	69
26/01/2023 22:00	6.8	261	6	8.6	0	30.7	69
26/01/2023 22:10	6.7	261	6	8.4	0	30.7	69
26/01/2023 22:20	6.7	260	5	8.5	0	30.6	68
26/01/2023 22:30	6.5	260	5	8	0	30.5	68
26/01/2023 22:40	6.3	262	6	7.8	0	30.5	69
26/01/2023 22:50	6.3	261	6	8.1	0	30.5	68
26/01/2023 23:00	6.2	262	6	8.6	0	30.4	68
26/01/2023 23:10	6.3	263	7	8.5	0	30.4	68
26/01/2023 23:20	6.6	264	6	9	0	30.3	68
26/01/2023 23:30	6.4	261	6	8.7	0	30.3	68
26/01/2023 23:40	6.8	260	6	8.9	0	30.1	68
26/01/2023 23:50	6.8	261	7	8.7	0	30	68
27/01/2023 00:00	6.5	260	7	8.5	0	30	68
27/01/2023 00:10	6	258	9	8.3	0	30	68
27/01/2023 00:20	6.3	257	7	8.7	0	29.9	69





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/01/2023 00:30	6.7	255	7	9.1	0	29.9	69
27/01/2023 00:40	6.8	257	7	8.8	0	29.8	69
27/01/2023 00:50	6.8	256	8	9.5	0	29.7	70
27/01/2023 01:00	6.2	256	7	8.5	0	29.6	70
27/01/2023 01:10	6.2	258	8	8.8	0	29.6	70
27/01/2023 01:20	6.6	259	7	9.8	0	29.5	69
27/01/2023 01:30	6.3	257	7	8.9	0	29.6	69
27/01/2023 01:40	6.3	259	7	8.5	0	29.6	68
27/01/2023 01:50	5.9	260	7	8	0	29.6	68
27/01/2023 02:00	5.6	261	6	7.5	0	29.6	68
27/01/2023 02:10	5.9	264	6	7.5	0	29.6	68
27/01/2023 02:20	5.8	263	5	7.4	0	29.5	69
27/01/2023 02:30	5.8	263	6	7.2	0	29.5	69
27/01/2023 02:40	5.6	263	6	7	0	29.4	69
27/01/2023 02:50	5.4	263	6	6.9	0	29.3	70
27/01/2023 03:00	5.3	263	6	6.8	0	29.3	70
27/01/2023 03:10	5.3	266	5	6.7	0	29.3	70
27/01/2023 03:20	4.6	266	5	5.9	0	29.2	70
27/01/2023 03:30	4.7	265	5	5.9	0	29.2	70
27/01/2023 03:40	4.9	265	6	6.2	0	29.2	70
27/01/2023 03:50	4.8	263	5	6.3	0	29.2	70
27/01/2023 04:00	4.6	264	6	6.3	0	29.1	70
27/01/2023 04:10	3.7	265	6	4.7	0	29.1	70
27/01/2023 04:20	4.3	264	6	5.3	0	29	70
27/01/2023 04:30	3.9	267	5	5	0	29	70
27/01/2023 04:40	4.1	268	5	5.1	0	29	70
27/01/2023 04:50	4.1	269	5	5.1	0	29	70
27/01/2023 05:00	4.3	267	5	5.2	0	28.9	70
27/01/2023 05:10	3.2	260	8	4.2	0	28.9	70
27/01/2023 05:20	3.3	263	5	4.2	0	28.9	70
27/01/2023 05:30	3.2	266	5	4.2	0	28.8	70
27/01/2023 05:40	3.5	270	6	4.5	0	28.8	69
27/01/2023 05:50	3.6	268	6	4.4	0	28.8	69
27/01/2023 06:00	3.6	267	6	4.8	0	28.9	69
27/01/2023 06:10	4.2	265	5	5.1	0	28.9	69
27/01/2023 06:20	4.1	260	6	5.2	0	29	69
27/01/2023 06:30	4.3	259	6	5.3	0	29.1	69
27/01/2023 06:40	3.3	261	9	4.6	0	29.3	69
27/01/2023 06:50	3.4	264	7	4.4	0	29.7	69
27/01/2023 07:00	3.3	260	8	4.4	0	30	69
27/01/2023 07:10	4	264	6	4.8	0	30.5	68
27/01/2023 07:20	3.7	263	6	4.6	0	30.7	68
27/01/2023 07:30	3.5	271	7	4.6	0	30.9	68
27/01/2023 07:40	3.2	269	10	4.3	0	31.4	65
27/01/2023 07:50	3.3	273	9	4.5	0	31.7	64
27/01/2023 08:00	3.2	293	10	4.2	0	31.9	64
27/01/2023 08:10	3	280	14	4	0	32.6	62
27/01/2023 08:20	2.9	268	11	4	0	32.8	61



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/01/2023 08:30	2	225	32	3.2	0	33.2	59
27/01/2023 08:40	1.4	172	22	2.6	0	34	54
27/01/2023 08:50	1.6	160	28	3.3	0	34.5	50
27/01/2023 09:00	1.6	161	23	3	0	34.6	51
27/01/2023 09:10	2.4	186	19	4	0	34.8	50
27/01/2023 09:20	2.1	186	20	3.4	0	34.7	50
27/01/2023 09:30	2	153	45	3.7	0	35.2	48
27/01/2023 09:40	2.3	103	30	4.4	0	36	46
27/01/2023 09:50	2.5	124	33	4.1	0	36.2	46
27/01/2023 10:00	2.3	135	37	4.1	0	35.8	47
27/01/2023 10:10	2.7	141	18	4.4	0	35.9	46
27/01/2023 10:20	2.9	139	19	4.5	0	36.1	46
27/01/2023 10:30	2.6	130	31	4.3	0	36.5	45
27/01/2023 10:40	2.3	66	36	3.7	0	36.6	44
27/01/2023 10:50	1.4	245	62	3.2	0	37.7	43
27/01/2023 11:00	2.6	26	16	4	0	36.6	46
27/01/2023 11:10	3.3	325	19	4.8	0	36.6	50
27/01/2023 11:20	4.1	332	15	5.5	0	35.8	53
27/01/2023 11:30	4.1	325	13	5.6	0	35.7	54
27/01/2023 11:40	3.8	329	12	5.5	0	36.2	52
27/01/2023 11:50	4.1	326	15	5.9	0	36.3	51
27/01/2023 12:00	4.5	325	12	6.2	0	36.3	51
27/01/2023 12:10	4.9	326	15	6.6	0	35.9	52
27/01/2023 12:20	4.4	311	12	6.2	0	36.3	50
27/01/2023 12:30	4.6	313	12	6.2	0	36.2	51
27/01/2023 12:40	4.8	319	12	6.2	0	36	53
27/01/2023 12:50	4.9	309	13	6.8	0	36.3	53
27/01/2023 13:00	4.4	317	13	6.8	0	36.7	51
27/01/2023 13:10	5.1	321	15	6.7	0	36.3	53
27/01/2023 13:20	5	312	14	7.3	0	36	54
27/01/2023 13:30	5.1	319	13	6.8	0	36	54
27/01/2023 13:40	5.2	312	14	7.7	0	36.3	54
27/01/2023 13:50	6	305	10	8.6	0	35.8	56
27/01/2023 14:00	6.3	316	11	8.6	0	35.3	58
27/01/2023 14:10	6.9	315	8	8.9	0	34.6	61
27/01/2023 14:20	6.5	311	8	8.7	0	34.7	61
27/01/2023 14:30	6.2	313	9	8.5	0	34.5	61
27/01/2023 14:40	5.9	310	10	8.1	0	34.7	59
27/01/2023 14:50	6.1	309	10	9.1	0	34.5	61
27/01/2023 15:00	6	312	12	8.4	0	34.6	60
27/01/2023 15:10	6.7	315	8	8.6	0	33.9	62
27/01/2023 15:20	6.6	300	11	8.8	0	34.2	61
27/01/2023 15:30	6	308	12	8.2	0	34.3	61
27/01/2023 15:40	6.6	300	8	9.3	0	33.9	61
27/01/2023 15:50	7	309	8	9	0	33.6	62
27/01/2023 16:00	4.9	309	16	7.7	0	34	61
27/01/2023 16:10	3.9	285	17	6	0	34.8	60
27/01/2023 16:20	4.1	284	11	5.6	0	34.6	60



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/01/2023 16:30	4.3	291	11	5.9	0	34.2	58
27/01/2023 16:40	4.3	304	13	5.4	0	33.8	58
27/01/2023 16:50	3.4	313	13	4.9	0	33.4	62
27/01/2023 17:00	3.4	318	16	4.9	0	33.6	63
27/01/2023 17:10	4.5	313	15	6.3	0	33.4	64
27/01/2023 17:20	3.6	320	17	5.5	0	33.5	64
27/01/2023 17:30	4.2	313	15	6.1	0	33	65
27/01/2023 17:40	4.1	289	14	6.2	0	33.4	62
27/01/2023 17:50	4.8	279	8	6.6	0	32.9	64
27/01/2023 18:00	5.1	291	7	6.6	0	32.7	65
27/01/2023 18:10	5.8	293	7	7.9	0	32.9	63
27/01/2023 18:20	5.4	293	9	7.4	0	33	63
27/01/2023 18:30	6.6	292	7	8.4	0	32.2	65
27/01/2023 18:40	5.8	294	8	7.4	0	32.1	65
27/01/2023 18:50	5.6	294	7	7.6	0	31.9	67
27/01/2023 19:00	6.1	296	6	7.9	0	31.4	69
27/01/2023 19:10	5.8	293	7	7.5	0	31.2	69
27/01/2023 19:20	4.9	291	8	6.6	0	31.3	69
27/01/2023 19:30	4.2	295	7	5.4	0	31.1	70
27/01/2023 19:40	3.9	291	8	5.3	0	30.9	69
27/01/2023 19:50	3.6	293	10	5.1	0	30.8	69
27/01/2023 20:00	3.5	286	10	5	0	30.8	69
27/01/2023 20:10	3.8	294	8	4.7	0	30.8	69
27/01/2023 20:20	4	298	7	5.4	0	30.8	69
27/01/2023 20:30	3.8	299	11	5.4	0	30.9	69
27/01/2023 20:40	3.3	299	12	5.2	0	30.9	69
27/01/2023 20:50	3.3	300	13	5.3	0	30.9	69
27/01/2023 21:00	2.4	295	25	3.6	0	30.8	70
27/01/2023 21:10	3.2	347	14	5.4	0	30.7	70
27/01/2023 21:20	3.6	343	10	5.4	0	30.4	70
27/01/2023 21:30	3.5	350	12	4.6	0	30.3	69
27/01/2023 21:40	3	344	15	4.2	0	30.2	68
27/01/2023 21:50	3.2	340	10	4.8	0	30.1	67
27/01/2023 22:00	3.3	343	10	4.6	0	30	67
27/01/2023 22:10	3.5	349	10	4.9	0	30.2	67
27/01/2023 22:20	3.4	349	11	5.2	0	30.1	66
27/01/2023 22:30	4	341	9	5.3	0	30	65
27/01/2023 22:40	4.4	338	9	5.8	0	29.9	65
27/01/2023 22:50	4.3	349	10	6.3	0	29.8	64
27/01/2023 23:00	4.4	347	9	6.1	0	29.6	64
27/01/2023 23:10	4.2	184	10	5.6	0	29.6	64
27/01/2023 23:20	4.3	20	10	6.2	0	29.7	64
27/01/2023 23:30	4.4	16	9	6.1	0	29.6	63
27/01/2023 23:40	5.4	15	7	7.2	0	29.5	63
27/01/2023 23:50	5.7	16	7	7.1	0	29.5	62
28/01/2023 00:00	5.9	18	6	8	0	29.3	61
28/01/2023 00:10	5.1	28	8	6.9	0	29.3	61
28/01/2023 00:20	5	30	9	6.8	0	29.3	61



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/01/2023 00:30	4.8	16	11	6.5	0	29.2	61
28/01/2023 00:40	4.5	13	7	6.3	0	29.2	61
28/01/2023 00:50	4.1	17	8	5.4	0	29.1	60
28/01/2023 01:00	4.3	2	8	5.8	0	29.1	61
28/01/2023 01:10	3.7	353	11	5.6	0	29.2	60
28/01/2023 01:20	3.7	355	12	5.9	0	29.1	60
28/01/2023 01:30	3.4	350	11	4.7	0	29.1	60
28/01/2023 01:40	3.4	333	13	4.5	0	28.9	61
28/01/2023 01:50	4.2	333	8	5.5	0	29	62
28/01/2023 02:00	3.7	336	8	5.2	0	29	62
28/01/2023 02:10	3.9	342	10	5.2	0	29	62
28/01/2023 02:20	3.6	338	13	5.2	0	29	62
28/01/2023 02:30	3.9	324	9	5.4	0	29	62
28/01/2023 02:40	3.9	318	11	5.3	0	28.9	62
28/01/2023 02:50	3.2	339	15	4.7	0	28.9	61
28/01/2023 03:00	4.3	331	9	5.4	0	28.8	62
28/01/2023 03:10	3.1	329	10	4.1	0	28.8	62
28/01/2023 03:20	3.7	327	10	5	0	28.8	62
28/01/2023 03:30	2.7	328	12	4.6	0	28.8	62
28/01/2023 03:40	3.3	322	11	4.7	0	28.8	63
28/01/2023 03:50	3.1	325	8	4.3	0	28.8	63
28/01/2023 04:00	2.9	318	11	4.2	0	28.8	63
28/01/2023 04:10	2.1	319	14	3.2	0	28.8	63
28/01/2023 04:20	1.8	343	20	2.6	0	28.7	63
28/01/2023 04:30	1.7	327	14	2.5	0	28.8	64
28/01/2023 04:40	1.5	174	13	2.1	0	28.8	64
28/01/2023 04:50	1.7	178	12	2.4	0	28.9	64
28/01/2023 05:00	1.6	342	8	2.2	0	28.8	63
28/01/2023 05:10	1.4	339	18	1.8	0	28.8	63
28/01/2023 05:20	1.7	11	19	2.4	0	28.8	63
28/01/2023 05:30	1.9	359	12	2.4	0	28.8	63
28/01/2023 05:40	1.8	179	11	2.5	0	28.8	63
28/01/2023 05:50	2.3	12	11	3.2	0	28.8	63
28/01/2023 06:00	2.3	10	14	3.4	0	28.9	63
28/01/2023 06:10	2.7	37	7	3.5	0	28.8	63
28/01/2023 06:20	2.5	32	10	3.2	0	28.8	63
28/01/2023 06:30	2.5	26	10	3.4	0	29	63
28/01/2023 06:40	2.6	34	9	3.6	0	29.2	63
28/01/2023 06:50	3.1	15	9	4.1	0	29.3	64
28/01/2023 07:00	2.9	30	12	4	0	29.6	64
28/01/2023 07:10	3.2	14	10	4.4	0	29.7	65
28/01/2023 07:20	3.1	15	11	3.8	0	29.9	65
28/01/2023 07:30	2.8	12	12	4.3	0	30	66
28/01/2023 07:40	2.8	20	21	4.3	0	30.1	66
28/01/2023 07:50	3.2	29	17	4.9	0	30.5	66
28/01/2023 08:00	2.7	23	15	4.1	0	30.1	67
28/01/2023 08:10	2.1	19	20	3.4	0	29.9	67
28/01/2023 08:20	2.6	6	13	3.8	0	30.2	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/01/2023 08:30	3.6	70	21	5.7	0	31.4	66
28/01/2023 08:40	4.3	82	11	6.2	0	31.5	66
28/01/2023 08:50	4.4	82	12	6.7	0	31.3	66
28/01/2023 09:00	4.4	79	11	6.4	0	31.2	67
28/01/2023 09:10	4.7	82	10	6.6	0	31.1	67
28/01/2023 09:20	4.6	73	15	6.8	0	31.4	66
28/01/2023 09:30	4.4	79	9	6	0	31.6	66
28/01/2023 09:40	3.9	66	12	6.3	0	31.2	66
28/01/2023 09:50	4.5	73	12	6.2	0	31.7	66
28/01/2023 10:00	5	66	12	7	0	31.5	66
28/01/2023 10:10	5.1	78	11	7.2	0	31.7	66
28/01/2023 10:20	4.7	72	12	7.1	0	32	65
28/01/2023 10:30	5.1	78	11	6.6	0	32	65
28/01/2023 10:40	5.4	76	12	7	0	32.3	65
28/01/2023 10:50	5.5	84	9	7.3	0	32.2	65
28/01/2023 11:00	6.2	87	6	8	0	32.1	65
28/01/2023 11:10	5.6	85	6	7.3	0	31.8	66
28/01/2023 11:20	5.9	79	9	7.5	0	32	65
28/01/2023 11:30	5.8	79	7	7.7	0	32	65
28/01/2023 11:40	5.4	85	7	7.1	0	32.2	65
28/01/2023 11:50	5.7	86	7	7.1	0	32.5	63
28/01/2023 12:00	4.8	69	12	6.7	0	32.6	63
28/01/2023 12:10	4.4	59	11	5.9	0	32.9	62
28/01/2023 12:20	4.4	61	11	6	0	33.1	61
28/01/2023 12:30	4.1	63	12	5.7	0	33.1	61
28/01/2023 12:40	4.7	65	11	6.3	0	33.4	60
28/01/2023 12:50	5.6	78	8	7	0	33.3	61
28/01/2023 13:00	5.3	69	12	7.2	0	33.4	62
28/01/2023 13:10	5.2	62	10	7	0	33.5	62
28/01/2023 13:20	5.7	62	9	7.6	0	33.2	62
28/01/2023 13:30	5.6	61	9	7.9	0	33.4	63
28/01/2023 13:40	5.3	67	12	7	0	33.3	64
28/01/2023 13:50	5.3	68	10	7.6	0	33.4	63
28/01/2023 14:00	4.6	64	16	6.2	0	33.6	62
28/01/2023 14:10	4.8	53	16	7.1	0	33.7	62
28/01/2023 14:20	5.2	45	26	8.5	0	34	61
28/01/2023 14:30	4.7	26	21	9.3	0	33.8	61
28/01/2023 14:40	6.3	13	11	8.9	0	33.8	61
28/01/2023 14:50	6.8	6	11	9.2	0	32.8	65
28/01/2023 15:00	7.2	2	9	9.9	0	32.7	66
28/01/2023 15:10	6.7	359	11	9	0	32.6	66
28/01/2023 15:20	7	355	7	9.4	0	32.2	67
28/01/2023 15:30	6.3	353	9	8.5	0	32.3	67
28/01/2023 15:40	6.4	351	11	8	0	32.2	67
28/01/2023 15:50	6.3	357	11	8.3	0	32	67
28/01/2023 16:00	5.8	8	12	8.2	0	32.3	67
28/01/2023 16:10	5.9	18	10	8.2	0	32.1	67
28/01/2023 16:20	5.4	13	18	8.3	0	32.1	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/01/2023 16:30	5.1	346	17	7.1	0	32.2	67
28/01/2023 16:40	4.6	328	16	7	0	31.7	68
28/01/2023 16:50	4.4	333	15	6.6	0	31.4	68
28/01/2023 17:00	4.2	326	12	5.9	0	31.3	68
28/01/2023 17:10	4.1	333	18	6.2	0	31.3	68
28/01/2023 17:20	3.8	322	21	6.4	0	31.4	68
28/01/2023 17:30	4	334	17	6.3	0	31.2	68
28/01/2023 17:40	3.5	321	23	5	0	31	68
28/01/2023 17:50	3.3	176	21	5.2	0	31.1	68
28/01/2023 18:00	2.9	329	24	4.2	0	31.2	68
28/01/2023 18:10	3.8	359	16	5.5	0	30.9	68
28/01/2023 18:20	2.8	352	15	4.1	0	30.7	68
28/01/2023 18:30	3.7	182	17	5.1	0	30.7	68
28/01/2023 18:40	3.8	7	16	5	0	30.3	69
28/01/2023 18:50	3.4	6	19	5.3	0	30.2	69
28/01/2023 19:00	2.9	4	22	4.3	0	30.1	69
28/01/2023 19:10	3.5	354	17	5	0	29.9	68
28/01/2023 19:20	3.1	347	12	4.4	0	29.7	68
28/01/2023 19:30	3.2	347	14	4.3	0	29.6	67
28/01/2023 19:40	3.4	352	14	5.5	0	29.6	66
28/01/2023 19:50	2.7	16	21	4.4	0	29.6	66
28/01/2023 20:00	3.1	28	11	4.2	0	29.5	66
28/01/2023 20:10	2.9	30	9	4	0	29.5	66
28/01/2023 20:20	2.9	30	11	4	0	29.6	65
28/01/2023 20:30	3.3	20	11	4.4	0	29.5	65
28/01/2023 20:40	2.8	30	9	3.9	0	29.5	65
28/01/2023 20:50	2.5	15	11	3.4	0	29.4	65
28/01/2023 21:00	2	2	14	2.9	0	29.4	65
28/01/2023 21:10	2.1	5	15	3	0	29.5	64
28/01/2023 21:20	1.9	24	15	3.2	0	29.5	63
28/01/2023 21:30	1.4	14	16	2.2	0	29.4	62
28/01/2023 21:40	1.4	178	17	2.3	0	29.4	62
28/01/2023 21:50	1.4	171	13	2.2	0	29.3	61
28/01/2023 22:00	1.9	315	17	3.1	0	29.3	61
28/01/2023 22:10	1	288	13	1.8	0	29.3	60
28/01/2023 22:20	1.2	146	34	2.1	0	29.4	60
28/01/2023 22:30	1.6	79	16	2.2	0	29.4	60
28/01/2023 22:40	1	48	16	1.6	0	29.4	60
28/01/2023 22:50	1.2	39	16	1.6	0	29.3	60
28/01/2023 23:00	1.3	322	9	1.8	0	29.3	60
28/01/2023 23:10	1.5	279	13	2.2	0	29.3	60
28/01/2023 23:20	2.4	283	6	3.1	0	29.4	60
28/01/2023 23:30	1	267	15	1.8	0	29.3	59
28/01/2023 23:40	1.3	283	7	1.8	0	29.3	59
28/01/2023 23:50	1.3	287	10	1.6	0	29.2	59
29/01/2023 00:00	1.9	303	8	2.5	0	29.1	59
29/01/2023 00:10	0.7	338	36	1.5	0	29.2	59
29/01/2023 00:20	1.7	179	12	2.6	0	29.2	59



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/01/2023 00:30	1.6	351	7	2.1	0	29.2	59
29/01/2023 00:40	1.7	338	9	2.4	0	29.2	58
29/01/2023 00:50	0.6	188	34	1.2	0	29.1	58
29/01/2023 01:00	1.8	289	13	2.4	0	29.1	58
29/01/2023 01:10	2.3	271	5	3	0	29.1	58
29/01/2023 01:20	2.7	276	5	3.4	0	29.1	58
29/01/2023 01:30	2.3	271	8	3.3	0	29.1	58
29/01/2023 01:40	2.5	267	6	3.3	0	29	58
29/01/2023 01:50	2.7	277	7	3.6	0	29.1	58
29/01/2023 02:00	2.8	275	7	4	0	29	58
29/01/2023 02:10	2.8	282	8	3.9	0	28.9	58
29/01/2023 02:20	3.2	285	7	4.1	0	28.7	59
29/01/2023 02:30	3.3	277	6	4.2	0	28.8	61
29/01/2023 02:40	3.5	271	4	4.7	0	28.9	62
29/01/2023 02:50	3.4	261	5	4.4	0	29	63
29/01/2023 03:00	3.9	260	6	5.1	0	28.9	62
29/01/2023 03:10	2.6	248	12	4.1	0	28.9	61
29/01/2023 03:20	2.5	250	16	3.8	0	28.9	61
29/01/2023 03:30	2.8	269	6	3.6	0	28.6	61
29/01/2023 03:40	2.6	271	5	3.3	0	28.5	60
29/01/2023 03:50	2.8	264	3	3.5	0	28.5	59
29/01/2023 04:00	3.4	263	4	4.1	0	28.5	58
29/01/2023 04:10	3	265	6	3.8	0	28.4	58
29/01/2023 04:20	2.4	274	6	3.2	0	28.3	58
29/01/2023 04:30	2.2	271	6	2.8	0	28.3	58
29/01/2023 04:40	2.6	263	4	3.5	0	28.2	57
29/01/2023 04:50	3.8	259	3	4.6	0	28.2	57
29/01/2023 05:00	4.4	241	8	5.7	0	28.4	58
29/01/2023 05:10	4.2	252	9	5.7	0	28.2	62
29/01/2023 05:20	4.7	259	3	5.4	0	27.9	63
29/01/2023 05:30	4.7	257	4	5.4	0	27.7	64
29/01/2023 05:40	4.4	258	4	5.3	0	27.7	64
29/01/2023 05:50	3.5	265	5	4.3	0	27.4	64
29/01/2023 06:00	3.7	261	7	4.9	0	27.5	64
29/01/2023 06:10	3.3	266	8	4.4	0	27.6	65
29/01/2023 06:20	2.1	287	13	3	0	27.7	65
29/01/2023 06:30	1.1	316	14	1.8	0	28	65
29/01/2023 06:40	1.4	316	14	2	0	28.5	66
29/01/2023 06:50	1	204	23	1.7	0	29.2	66
29/01/2023 07:00	0.7	43	25	1.3	0	30	66
29/01/2023 07:10	0.7	240	66	1.4	0	31	65
29/01/2023 07:20	0.7	192	45	1.4	0	31.4	65
29/01/2023 07:30	1.5	185	18	2.5	0	31.2	65
29/01/2023 07:40	1.7	219	49	3.1	0	30.8	66
29/01/2023 07:50	2.5	260	22	4	0	30.9	65
29/01/2023 08:00	2.1	256	24	3.4	0	31.3	63
29/01/2023 08:10	2.3	224	29	3.4	0	31.2	63
29/01/2023 08:20	2.8	230	21	4.1	0	31.4	62



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/01/2023 08:30	3.3	226	12	4.7	0	31.6	60
29/01/2023 08:40	2.5	240	23	4.8	0	31.7	59
29/01/2023 08:50	2.8	270	23	4.9	0	31.9	57
29/01/2023 09:00	3	277	19	4.6	0	32.2	54
29/01/2023 09:10	2.7	293	14	4.7	0	32.2	52
29/01/2023 09:20	2.5	289	23	4.6	0	32.7	51
29/01/2023 09:30	1.9	292	24	3.6	0	32.7	51
29/01/2023 09:40	1.6	300	36	3.9	0	33.2	49
29/01/2023 09:50	2	303	39	3.6	0	33.1	49
29/01/2023 10:00	1.9	202	58	3.8	0	34	48
29/01/2023 10:10	2.9	98	23	4.7	0	33.8	50
29/01/2023 10:20	2.5	105	28	3.8	0	33.8	50
29/01/2023 10:30	2.5	55	20	3.9	0	33.7	49
29/01/2023 10:40	2.6	120	22	4	0	34.1	52
29/01/2023 10:50	2.3	125	23	4.1	0	34.1	52
29/01/2023 11:00	2.1	119	26	3.4	0	34.5	52
29/01/2023 11:10	2.1	138	22	3.8	0	34.3	52
29/01/2023 11:20	2.3	113	31	4.2	0	34.8	52
29/01/2023 11:30	3.1	103	19	4.6	0	34.9	53
29/01/2023 11:40	3	100	23	4.6	0	35	53
29/01/2023 11:50	3.7	45	21	5.3	0	34.8	51
29/01/2023 12:00	3.3	63	17	5.6	0	34.4	54
29/01/2023 12:10	3	54	14	4.8	0	34.4	55
29/01/2023 12:20	3	22	31	5.5	0	35.3	49
29/01/2023 12:30	2.9	42	29	5.2	0	35	54
29/01/2023 12:40	2.7	37	38	4.1	0	34.5	55
29/01/2023 12:50	2.9	54	13	4.7	0	34.7	56
29/01/2023 13:00	2.2	51	38	4.3	0	35.6	53
29/01/2023 13:10	3	46	30	5.2	0	35.2	52
29/01/2023 13:20	2.8	55	23	4.5	0	35.7	50
29/01/2023 13:30	3.5	350	17	5.5	0	36.2	47
29/01/2023 13:40	3.6	344	21	5.5	0	36	46
29/01/2023 13:50	4.2	348	12	6.3	0	35.5	48
29/01/2023 14:00	4.3	347	17	6.3	0	35.5	49
29/01/2023 14:10	4.5	325	12	6.7	0	35.4	50
29/01/2023 14:20	3.8	357	18	5.6	0	36	48
29/01/2023 14:30	4.8	335	15	6.7	0	35.2	50
29/01/2023 14:40	4.7	348	17	7.2	0	35.2	50
29/01/2023 14:50	5.3	336	14	7.4	0	35.1	51
29/01/2023 15:00	5.3	332	11	7.6	0	35	52
29/01/2023 15:10	5	333	15	6.9	0	34.5	55
29/01/2023 15:20	5.1	329	10	7	0	34.6	55
29/01/2023 15:30	5.2	339	14	7.6	0	34.6	55
29/01/2023 15:40	5.6	338	11	7.1	0	34.1	54
29/01/2023 15:50	5.3	333	16	6.9	0	34.2	54
29/01/2023 16:00	5.2	331	14	7.2	0	34.2	54
29/01/2023 16:10	5	328	14	7.1	0	33.9	53
29/01/2023 16:20	4.8	324	13	6.6	0	34	53





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/01/2023 16:30	5	335	12	7	0	34	52
29/01/2023 16:40	4.7	320	11	6.4	0	34	53
29/01/2023 16:50	5	333	10	6.4	0	33.8	53
29/01/2023 17:00	4.4	324	14	7.3	0	33.6	57
29/01/2023 17:10	4.6	321	13	6.4	0	33.4	57
29/01/2023 17:20	4.8	326	13	6.7	0	33.3	59
29/01/2023 17:30	5.6	328	9	7.1	0	32.8	61
29/01/2023 17:40	5.6	323	9	7.5	0	32.1	64
29/01/2023 17:50	5.6	322	9	7.1	0	31.9	65
29/01/2023 18:00	5.1	319	11	7.5	0	31.9	65
29/01/2023 18:10	5.2	312	12	6.9	0	31.7	65
29/01/2023 18:20	4.3	327	13	6.3	0	31.6	66
29/01/2023 18:30	3.5	189	17	5.4	0	31.6	65
29/01/2023 18:40	4.2	28	11	6	0	31.7	63
29/01/2023 18:50	3.6	20	13	5.2	0	31.3	65
29/01/2023 19:00	4.1	176	13	5.9	0	30.7	67
29/01/2023 19:10	2.8	347	17	4.1	0	30.5	67
29/01/2023 19:20	3.6	348	11	5.5	0	30.4	68
29/01/2023 19:30	3.3	348	13	5	0	30.3	68
29/01/2023 19:40	2.8	336	17	4.6	0	30.1	68
29/01/2023 19:50	2.6	316	16	3.7	0	30.1	68
29/01/2023 20:00	2.7	318	14	4.3	0	30.1	68
29/01/2023 20:10	2.9	324	16	4.9	0	30	68
29/01/2023 20:20	2.9	300	16	4.5	0	30	68
29/01/2023 20:30	2.9	302	17	4.9	0	30	68
29/01/2023 20:40	3.4	312	13	5.8	0	30	68
29/01/2023 20:50	2.4	322	16	4	0	30	68
29/01/2023 21:00	2.6	318	19	4.6	0	30	67
29/01/2023 21:10	3.7	311	13	5.5	0	30.1	68
29/01/2023 21:20	3.2	308	12	4.9	0	30	68
29/01/2023 21:30	3	323	14	4.2	0	30	67
29/01/2023 21:40	2.1	354	19	4.2	0	30	67
29/01/2023 21:50	1.8	160	21	3.4	0	30	67
29/01/2023 22:00	2.4	298	16	3.9	0	30.1	68
29/01/2023 22:10	2.9	316	12	4	0	29.9	67
29/01/2023 22:20	2.5	340	14	3.8	0	30	67
29/01/2023 22:30	2.3	350	15	3.6	0	30.1	67
29/01/2023 22:40	2.6	341	11	3.4	0	30	68
29/01/2023 22:50	2	349	15	3.2	0	29.9	68
29/01/2023 23:00	1.6	359	13	2.6	0	29.9	68
29/01/2023 23:10	1.8	333	22	2.9	0	29.8	68
29/01/2023 23:20	1.8	347	18	2.7	0	29.8	68
29/01/2023 23:30	2.1	340	20	3.2	0	29.7	68
29/01/2023 23:40	1.9	324	9	2.7	0	29.7	68
29/01/2023 23:50	1.6	307	12	2.5	0	29.7	68
30/01/2023 00:00	1.6	284	14	2.3	0	29.6	68
30/01/2023 00:10	1.6	272	11	2.5	0	29.6	68
30/01/2023 00:20	2	275	11	2.6	0	29.6	68



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/01/2023 00:30	2.7	282	6	3.9	0	29.5	68
30/01/2023 00:40	3.4	293	7	4.2	0	29.7	65
30/01/2023 00:50	3.2	282	6	4	0	29.8	64
30/01/2023 01:00	3.2	278	6	4.1	0	29.9	63
30/01/2023 01:10	2.6	284	7	3.5	0	29.9	63
30/01/2023 01:20	3.1	279	8	4.3	0	29.9	66
30/01/2023 01:30	2.7	278	7	4	0	29.7	66
30/01/2023 01:40	3.3	270	6	4.8	0	29.7	66
30/01/2023 01:50	3.3	272	6	4.8	0	29.8	66
30/01/2023 02:00	3.9	266	6	5	0	29.8	68
30/01/2023 02:10	3.7	268	6	4.9	0	29.6	67
30/01/2023 02:20	3.1	270	6	4.2	0	29.7	66
30/01/2023 02:30	3.6	272	6	4.7	0	29.7	67
30/01/2023 02:40	3.6	270	5	5	0	29.7	66
30/01/2023 02:50	3.2	274	7	4.4	0	29.8	66
30/01/2023 03:00	3.1	275	7	4.3	0	29.7	67
30/01/2023 03:10	3	277	7	4.1	0	29.7	67
30/01/2023 03:20	3.6	275	6	4.7	0	29.8	68
30/01/2023 03:30	4.1	272	4	4.8	0	29.7	69
30/01/2023 03:40	4.3	274	4	5.3	0	29.6	69
30/01/2023 03:50	4.5	269	4	5.4	0	29.6	69
30/01/2023 04:00	4.1	267	4	5	0	29.5	69
30/01/2023 04:10	4.4	268	5	5.3	0	29.4	69
30/01/2023 04:20	4.3	267	5	5.3	0	29.5	68
30/01/2023 04:30	4.5	262	5	5.9	0	29.5	69
30/01/2023 04:40	4.4	260	6	5.2	0	29.3	69
30/01/2023 04:50	4	261	5	5	0	29.4	69
30/01/2023 05:00	3.9	262	6	4.8	0	29.4	68
30/01/2023 05:10	3.7	260	6	4.7	0	29.4	68
30/01/2023 05:20	3.2	255	10	4.6	0	29.4	68
30/01/2023 05:30	3.1	246	13	4.7	0	29.5	67
30/01/2023 05:40	3.7	255	10	5.2	0	29.4	67
30/01/2023 05:50	3.6	260	6	4.7	0	29.3	67
30/01/2023 06:00	3.9	264	5	4.6	0	29.2	67
30/01/2023 06:10	3.8	265	5	4.8	0	29.2	66
30/01/2023 06:20	3.7	265	6	4.8	0	29.2	65
30/01/2023 06:30	3	251	10	4.7	0	29.4	65
30/01/2023 06:40	2.9	248	14	4.2	0	29.4	65
30/01/2023 06:50	3.5	250	13	5.1	0	29.5	65
30/01/2023 07:00	3.1	245	14	4.6	0	29.5	65
30/01/2023 07:10	2.8	220	16	3.9	0	29.7	65
30/01/2023 07:20	3.1	204	12	4.3	0	30	66
30/01/2023 07:30	2.7	207	13	4.1	0	30	67
30/01/2023 07:40	2.8	215	14	3.9	0	30.1	67
30/01/2023 07:50	3.7	197	8	4.9	0	30.3	67
30/01/2023 08:00	3.9	195	12	5.4	0	30.3	67
30/01/2023 08:10	3.1	179	13	4.4	0	30.4	67
30/01/2023 08:20	2.4	189	20	3.5	0	30.7	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/01/2023 08:30	1.9	137	36	3.3	0	31.7	65
30/01/2023 08:40	2.4	117	19	4.1	0	32.6	64
30/01/2023 08:50	2.9	110	24	4.5	0	32.7	64
30/01/2023 09:00	3.1	110	13	4.4	0	32.6	63
30/01/2023 09:10	3.2	101	16	4.8	0	32.7	63
30/01/2023 09:20	2.8	108	21	4.1	0	32.8	60
30/01/2023 09:30	2.8	101	18	4.3	0	33	59
30/01/2023 09:40	2.8	91	14	3.9	0	32.7	58
30/01/2023 09:50	2.9	90	19	4.4	0	32.9	57
30/01/2023 10:00	3	95	18	4.4	0	32.9	56
30/01/2023 10:10	3.3	107	20	4.5	0	33.4	54
30/01/2023 10:20	2.9	93	18	4.6	0	33.3	58
30/01/2023 10:30	2.9	89	18	4.7	0	33.8	53
30/01/2023 10:40	3.4	82	11	4.7	0	34	53
30/01/2023 10:50	3.1	75	23	4.5	0	34.9	50
30/01/2023 11:00	3.3	50	15	5.4	0	34.9	51
30/01/2023 11:10	3.2	63	22	5	0	35.1	50
30/01/2023 11:20	3	73	21	4.9	0	35.2	47
30/01/2023 11:30	2.8	56	30	4.3	0	35.7	45
30/01/2023 11:40	3.2	50	17	4.9	0	35.9	43
30/01/2023 11:50	3.5	47	19	5.8	0	35.7	45
30/01/2023 12:00	3.5	58	15	5	0	36.1	44
30/01/2023 12:10	3.6	66	17	5.5	0	36.8	42
30/01/2023 12:20	3.1	69	28	5	0	36.7	41
30/01/2023 12:30	3.2	39	36	5.7	0	36.6	45
30/01/2023 12:40	4.2	5	18	6.4	0	35.7	54
30/01/2023 12:50	4.6	341	17	6.6	0	35.4	56
30/01/2023 13:00	4.8	339	13	6.8	0	34.8	59
30/01/2023 13:10	4.9	349	18	7	0	34.8	60
30/01/2023 13:20	4.8	336	17	7.1	0	34.9	60
30/01/2023 13:30	6.2	338	12	8.4	0	34.6	60
30/01/2023 13:40	5.8	333	12	7.4	0	34.7	60
30/01/2023 13:50	6.1	331	10	7.8	0	34.5	61
30/01/2023 14:00	5.5	333	12	7.6	0	34.5	60
30/01/2023 14:10	5.5	349	11	7.7	0	34.9	57
30/01/2023 14:20	5.7	330	12	7.3	0	34.7	60
30/01/2023 14:30	5.5	333	13	7.4	0	34.9	60
30/01/2023 14:40	5.6	335	11	7.4	0	34.6	59
30/01/2023 14:50	5.5	342	14	7.5	0	34.5	61
30/01/2023 15:00	6.1	331	10	8.1	0	34.2	60
30/01/2023 15:10	6.4	335	10	8.4	0	33.9	62
30/01/2023 15:20	6.1	335	12	8.1	0	33.9	63
30/01/2023 15:30	6.2	335	14	8.5	0	33.8	63
30/01/2023 15:40	6.2	328	12	8.5	0	33.6	64
30/01/2023 15:50	6.1	323	8	8.2	0	33.6	64
30/01/2023 16:00	5.9	328	12	8.1	0	33.8	64
30/01/2023 16:10	6.1	318	13	8.2	0	33.6	62
30/01/2023 16:20	5.5	316	12	7.6	0	33.5	61



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/01/2023 16:30	5.5	315	12	7.7	0	33.7	61
30/01/2023 16:40	6	311	10	8.3	0	33.4	62
30/01/2023 16:50	5.7	311	12	7.9	0	33.4	63
30/01/2023 17:00	5.3	308	13	7.9	0	33.5	63
30/01/2023 17:10	6.1	302	9	7.8	0	33.1	63
30/01/2023 17:20	5.7	302	11	7.6	0	33.1	63
30/01/2023 17:30	5.2	290	13	7	0	32.7	64
30/01/2023 17:40	5.9	244	12	9.1	0	32.4	63
30/01/2023 17:50	5.1	262	9	7.5	0	32.4	61
30/01/2023 18:00	4.7	268	8	6.4	0	33	59
30/01/2023 18:10	4.6	255	21	6.6	0	33.2	58
30/01/2023 18:20	3.7	266	10	5.2	0	32.5	59
30/01/2023 18:30	3.5	268	12	4.6	0	32.3	60
30/01/2023 18:40	3.7	272	8	4.8	0	32.2	61
30/01/2023 18:50	3.7	278	9	5	0	32.2	61
30/01/2023 19:00	3.5	262	10	4.6	0	32.1	60
30/01/2023 19:10	4.1	261	5	4.8	0	32	60
30/01/2023 19:20	3.7	280	8	4.7	0	31.9	60
30/01/2023 19:30	3.6	281	7	4.7	0	31.7	61
30/01/2023 19:40	4	280	8	5.6	0	31.6	62
30/01/2023 19:50	3.8	276	9	4.9	0	31.3	64
30/01/2023 20:00	3.1	277	7	4.6	0	31.2	65
30/01/2023 20:10	2.7	281	9	3.8	0	31.2	64
30/01/2023 20:20	2.7	290	11	3.9	0	31.4	63
30/01/2023 20:30	3.1	284	8	4.1	0	31.5	63
30/01/2023 20:40	3.1	287	7	4	0	31.5	64
30/01/2023 20:50	2.9	264	9	3.9	0	31.5	65
30/01/2023 21:00	3.1	259	7	4.2	0	31.3	67
30/01/2023 21:10	3.1	250	12	4.5	0	31.2	66
30/01/2023 21:20	3.5	258	9	4.8	0	31.3	65
30/01/2023 21:30	3.4	266	7	4.4	0	31.2	65
30/01/2023 21:40	2.3	272	11	3.4	0	31.2	64
30/01/2023 21:50	1.6	216	16	2.7	0	31.3	63
30/01/2023 22:00	1.2	195	32	2.3	0	31.4	63
30/01/2023 22:10	1.6	264	25	2.7	0	31.3	63
30/01/2023 22:20	2.3	293	6	2.8	0	31.1	64
30/01/2023 22:30	1.8	307	10	2.6	0	31	66
30/01/2023 22:40	1.4	327	14	2.1	0	31.1	66
30/01/2023 22:50	0.5	294	29	0.9	0	31.2	65
30/01/2023 23:00	0.8	22	15	1.5	0	31.2	65
30/01/2023 23:10	1.1	11	21	1.6	0	31.2	66
30/01/2023 23:20	1	357	11	1.3	0	31.1	66
30/01/2023 23:30	1.6	351	9	2.1	0	31.1	67
30/01/2023 23:40	1.7	322	14	2.5	0	31	67
30/01/2023 23:50	1.5	307	13	2.4	0	31	65
31/01/2023 00:00	1.3	313	12	2.1	0	31.1	66
31/01/2023 00:10	0.5	298	49	1.3	0	31	67
31/01/2023 00:20	1.3	145	20	1.9	0	30.9	68



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
31/01/2023 00:30	1.8	288	9	2.4	0	30.9	66
31/01/2023 00:40	2.6	275	7	3.2	0	30.9	66
31/01/2023 00:50	2.7	275	6	3.3	0	30.8	66
31/01/2023 01:00	2.3	276	6	2.8	0	30.8	67
31/01/2023 01:10	2.4	275	8	3.3	0	30.7	67
31/01/2023 01:20	2.5	288	6	3.1	0	30.7	67
31/01/2023 01:30	2.5	291	6	3.3	0	30.6	68
31/01/2023 01:40	2.2	289	7	2.8	0	30.6	69
31/01/2023 01:50	1.4	290	12	2	0	30.4	69
31/01/2023 02:00	1.5	288	7	1.9	0	30.4	68
31/01/2023 02:10	1.4	294	6	1.8	0	30.4	69
31/01/2023 02:20	0.8	189	26	1.2	0	30.3	69
31/01/2023 02:30	0.7	40	16	1.1	0	30.3	69
31/01/2023 02:40	0.7	349	9	0.9	0	30.2	69
31/01/2023 02:50	0.5	178	15	0.7	0	30.2	69
31/01/2023 03:00	0.6	46	27	0.9	0	30.1	69
31/01/2023 03:10	0.5	18	11	0.7	0	30.1	69
31/01/2023 03:20	0.8	36	14	1.1	0	30.1	69
31/01/2023 03:30	0.8	354	18	1.1	0	30.1	69
31/01/2023 03:40	1.5	349	7	1.8	0	30.1	69
31/01/2023 03:50	1.7	342	8	2.2	0	30	69
31/01/2023 04:00	1.4	318	11	1.9	0	30	69
31/01/2023 04:10	1.9	325	6	2.4	0	30	69
31/01/2023 04:20	1.5	331	11	2.2	0	30	69
31/01/2023 04:30	1.1	314	11	1.5	0	30	69
31/01/2023 04:40	0.9	287	5	1.4	0	30.1	69
31/01/2023 04:50	1.1	280	8	1.6	0	30.2	69
31/01/2023 05:00	0.5	316	15	0.8	0	30.3	69
31/01/2023 05:10	0.6	276	23	0.8	0	30.2	69
31/01/2023 05:20	0.3	187	35	0.6	0	30.1	69
31/01/2023 05:30	0.5	127	45	1	0	30	69
31/01/2023 05:40	0.6	105	22	1.1	0	29.8	69
31/01/2023 05:50	0.9	98	27	1.4	0	29.7	68
31/01/2023 06:00	1.3	100	8	1.7	0	29.6	68
31/01/2023 06:10	1.2	131	19	1.6	0	29.7	68
31/01/2023 06:20	1.2	113	20	2	0	29.8	68
31/01/2023 06:30	3	92	10	4.6	0	30.1	68
31/01/2023 06:40	2.9	105	9	4	0	30.2	68
31/01/2023 06:50	3.1	106	14	4.6	0	30.3	68
31/01/2023 07:00	3	108	12	4.3	0	30.6	68
31/01/2023 07:10	3.3	108	12	5	0	30.8	67
31/01/2023 07:20	3.8	108	12	5.3	0	30.7	67
31/01/2023 07:30	3.5	100	13	5.3	0	30.9	67
31/01/2023 07:40	3.7	97	11	5.6	0	31.1	66
31/01/2023 07:50	4	107	12	5.2	0	31.2	66
31/01/2023 08:00	3.6	104	11	5.3	0	31.4	66
31/01/2023 08:10	4.4	99	11	6	0	31.4	65
31/01/2023 08:20	4.2	100	14	5.7	0	31.7	65



# Yara Pilbara Nitrates- Western Boundary 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
31/01/2023 08:30	4.4	96	11	5.9	0	31.7	64
31/01/2023 08:40	4.5	98	11	6.5	0	31.7	64
31/01/2023 08:50	4.7	90	10	6.2	0	32	64
31/01/2023 09:00	5	76	9	6.7	0	31.9	63
31/01/2023 09:10	4.6	84	12	6.4	0	32.1	63
31/01/2023 09:20	5.3	81	10	7.2	0	32.3	64
31/01/2023 09:30	5.5	82	9	8.3	0	32.2	63
31/01/2023 09:40	5.4	77	12	7.2	0	32.2	63
31/01/2023 09:50	4.9	77	10	6.4	0	32.9	60
31/01/2023 10:00	5.2	65	15	7.2	0	32.7	60
31/01/2023 10:10	4.6	73	11	6.4	0	32.9	59
31/01/2023 10:20	4.6	64	13	5.9	0	33	60
31/01/2023 10:30	4.5	67	14	6.3	0	32.9	60
31/01/2023 10:40	4.8	56	12	6.1	0	33.1	58
31/01/2023 10:50	4.7	61	10	6.1	0	33.2	57
31/01/2023 11:00	4.7	62	10	7.2	0	33.3	57
31/01/2023 11:10	4.9	60	14	6.8	0	33.4	56
31/01/2023 11:20	4.8	65	11	6.6	0	33.6	56
31/01/2023 11:30	4.5	61	9	6.1	0	33.9	54
31/01/2023 11:40	4.8	61	9	6.6	0	34.1	52
31/01/2023 11:50	3.9	60	14	5.7	0	34.5	51
31/01/2023 12:00	4	56	15	5.7	0	35.1	49
31/01/2023 12:10	4.3	57	14	6.1	0	35	49
31/01/2023 12:20	4.6	66	14	6.6	0	35.3	49
31/01/2023 12:30	3.8	54	17	6.3	0	35.9	46
31/01/2023 12:40	4.9	64	10	7.2	0	35.7	48
31/01/2023 12:50	5.7	65	9	7.6	0	35.5	49
31/01/2023 13:00	5.6	67	9	7.6	0	35.6	48
31/01/2023 13:10	5	54	17	6.9	0	36.3	47
31/01/2023 13:20	5.3	27	17	8.3	0	36.1	48
31/01/2023 13:30	5.4	22	17	7.7	0	36.2	49
31/01/2023 13:40	5.5	17	14	8.3	0	36.5	49
31/01/2023 13:50	6	6	16	8.5	0	36.4	48
31/01/2023 14:00	6.1	182	14	8.2	0	36.4	49
31/01/2023 14:10	5.9	7	13	7.6	0	36.5	48
31/01/2023 14:20	6	8	9	8.7	0	36.1	51
31/01/2023 14:30	6.2	188	12	8.4	0	36	53
31/01/2023 14:40	6.3	8	10	8.4	0	35.8	54
31/01/2023 14:50	5.9	179	12	7.8	0	35.4	55
31/01/2023 15:00	6.1	7	12	8.7	0	35.1	58
31/01/2023 15:10	6.4	184	12	8.2	0	34.9	57
31/01/2023 15:20	6.7	4	11	8.6	0	34.9	57
31/01/2023 15:30	6.7	7	10	8.8	0	34.7	56
31/01/2023 15:40	6.3	180	10	8.2	0	34.8	56
31/01/2023 15:50	6.7	180	9	8.7	0	34.8	55
31/01/2023 16:00	6.7	359	9	8.8	0	34.8	54
31/01/2023 16:10	6	3	10	8.2	0	34.9	54
31/01/2023 16:20	6	346	10	8.9	0	34.8	55



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
31/01/2023 16:30	6.4	336	10	8.9	0	34	58
31/01/2023 16:40	6.2	345	12	8.6	0	34.1	60
31/01/2023 16:50	6.8	345	13	9.6	0	33.7	61
31/01/2023 17:00	7.4	336	10	10.8	0	33.1	64
31/01/2023 17:10	7.9	340	8	10.7	0	32.5	66
31/01/2023 17:20	7.1	334	9	9.4	0	32.6	66
31/01/2023 17:30	7.2	341	9	9.6	0	32.2	67
31/01/2023 17:40	6.5	342	11	8.9	0	32.2	67
31/01/2023 17:50	6.5	336	11	9	0	32.4	66
31/01/2023 18:00	7	326	8	8.9	0	32.1	68
31/01/2023 18:10	6.1	317	10	8.4	0	31.7	68
31/01/2023 18:20	5.9	320	10	8.7	0	31.4	68
31/01/2023 18:30	6.8	313	8	9	0	31.3	68
31/01/2023 18:40	6.2	306	8	8.4	0	31.4	67
31/01/2023 18:50	5.3	295	11	7	0	31.6	66
31/01/2023 19:00	6.4	275	8	8.3	0	31.6	65
31/01/2023 19:10	7.1	254	9	9.7	0	31.6	65
31/01/2023 19:20	7.1	248	10	10.3	0	31.9	64
31/01/2023 19:30	6.7	234	11	11.3	0	32.2	63
31/01/2023 19:40	7.8	188	11	11.6	0	31.2	61
31/01/2023 19:50	7.3	182	11	11.3	0	30.2	64
31/01/2023 20:00	7.8	181	11	11.7	0	29.7	65
31/01/2023 20:10	7.2	182	11	10.7	0	29.4	66
31/01/2023 20:20	5.4	178	12	8.6	0	29.3	66
31/01/2023 20:30	5.7	181	12	8.2	0	29.6	66
31/01/2023 20:40	5.9	177	10	9.1	0	29.6	65
31/01/2023 20:50	5.2	176	14	7.8	0	29.7	63
31/01/2023 21:00	5.2	175	15	8	0	29.7	64
31/01/2023 21:10	4.2	169	17	7.7	0	29.6	64
31/01/2023 21:20	3.8	175	14	6.5	0	29.7	63
31/01/2023 21:30	3.6	175	14	5.8	0	30	62
31/01/2023 21:40	4.1	182	11	6.1	0	30.3	61
31/01/2023 21:50	3.8	190	10	6	0	30.5	60
31/01/2023 22:00	5.2	192	10	7.7	0	30.3	61
31/01/2023 22:10	4.8	192	9	7.1	0	30.2	62
31/01/2023 22:20	5.2	193	10	8.4	0	30	61
31/01/2023 22:30	5	190	10	7.1	0	30	61
31/01/2023 22:40	5.1	184	13	7.4	0	29.9	59
31/01/2023 22:50	4.1	191	14	6.5	0	29.8	59
31/01/2023 23:00	3.1	186	18	5.9	0	29.9	58
31/01/2023 23:10	3.3	188	20	6.1	0	30.1	56
31/01/2023 23:20	1.5	155	80	3	0	30	56
31/01/2023 23:30	1.3	107	55	3	0	30	56
31/01/2023 23:40	1.2	47	29	1.9	0	30	56
31/01/2023 23:50	0.8	198	68	2.4	0	29.9	56
02/01/2023 00:00	1.3	195	48	2.9	0	30	55
02/01/2023 00:10	2.3	183	23	3.9	0	30.1	54
02/01/2023 00:20	1.5	76	42	2.2	0	30.2	54



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/01/2023 00:30	1.2	42	21	1.8	0	30	55
02/01/2023 00:40	1.3	111	17	2	0	30.2	54
02/01/2023 00:50	1.2	81	26	2	0	30.2	55
02/01/2023 01:00	1	54	29	1.8	0	30.1	55
02/01/2023 01:10	1.3	151	45	2.1	0	29.9	56
02/01/2023 01:20	1.8	228	23	2.9	0	30.6	52
02/01/2023 01:30	2.9	261	8	4.3	0	30.3	53
02/01/2023 01:40	2.6	265	6	3.3	0	29.9	55
02/01/2023 01:50	2.7	269	7	3.7	0	29.6	57
02/01/2023 02:00	2	278	7	2.8	0	29.4	58
02/01/2023 02:10	2.1	272	7	2.7	0	29.3	59
02/01/2023 02:20	1.7	285	5	2.2	0	29.3	59
02/01/2023 02:30	2.2	274	4	2.7	0	29.3	60
02/01/2023 02:40	2.2	269	6	3.1	0	29.4	59
02/01/2023 02:50	3.5	261	5	4.1	0	29.4	60
02/01/2023 03:00	3.1	256	8	4.3	0	29.4	61
02/01/2023 03:10	2.9	258	11	4.6	0	29.5	61
02/01/2023 03:20	3.2	262	6	3.9	0	29.4	62
02/01/2023 03:30	2.6	265	7	3.3	0	29.4	62
02/01/2023 03:40	2.8	264	4	3.3	0	29.4	62
02/01/2023 03:50	2.2	267	7	2.9	0	29.4	62
02/01/2023 04:00	2.6	266	7	3.5	0	29.3	62
02/01/2023 04:10	2.3	270	6	3.1	0	29.3	62
02/01/2023 04:20	3	263	6	3.9	0	29.3	62
02/01/2023 04:30	3.2	262	5	4.1	0	29.3	62
02/01/2023 04:40	2.7	267	4	3.2	0	29.3	61
02/01/2023 04:50	2.6	269	6	3.6	0	29.2	61
02/01/2023 05:00	2.6	269	7	3.2	0	29.2	62
02/01/2023 05:10	2.8	262	7	3.7	0	29.2	62
02/01/2023 05:20	3.3	272	5	4.3	0	29.1	65
02/01/2023 05:30	3.4	268	4	4.3	0	29	67
02/01/2023 05:40	3.4	263	5	4.2	0	29	68
02/01/2023 05:50	3.4	263	7	4.2	0	28.9	66
02/01/2023 06:00	3.2	263	4	3.8	0	29	66
02/01/2023 06:10	3	264	5	3.7	0	28.9	66
02/01/2023 06:20	2.4	274	6	3.1	0	29	68
02/01/2023 06:30	2	266	10	2.6	0	29.5	68
02/01/2023 06:40	2.1	257	6	2.7	0	29.9	68
02/01/2023 06:50	1.9	251	7	2.5	0	30.4	68
02/01/2023 07:00	2	259	9	2.8	0	30.9	66
02/01/2023 07:10	1.6	239	23	2.3	0	31.4	64
02/01/2023 07:20	2.1	268	11	2.8	0	31.5	63
02/01/2023 07:30	2	269	9	2.6	0	31.8	62
02/01/2023 07:40	2.2	268	12	2.9	0	32.1	57
02/01/2023 07:50	1.7	238	27	3	0	32.5	54
02/01/2023 08:00	2	216	24	3.9	0	32.6	55
02/01/2023 08:10	2.2	241	19	3.3	0	32.5	56
02/01/2023 08:20	1.9	224	29	3.4	0	32.8	56





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/01/2023 08:30	1.9	238	31	3.5	0	33	54
02/01/2023 08:40	1.9	249	35	3.2	0	33.8	50
02/01/2023 08:50	2.5	247	24	4.2	0	33.7	49
02/01/2023 09:00	2.3	239	29	3.4	0	33.7	47
02/01/2023 09:10	2.2	205	28	3.8	0	34.1	46
02/01/2023 09:20	2.2	253	33	4.1	0	34.5	44
02/01/2023 09:30	2.4	230	44	4.8	0	34.9	43
02/01/2023 09:40	3.2	254	20	5.3	0	34.6	45
02/01/2023 09:50	2.4	290	20	4.1	0	34.6	44
02/01/2023 10:00	2.9	261	20	4.8	0	34.7	45
02/01/2023 10:10	2.4	272	27	4.8	0	35.2	44
02/01/2023 10:20	2.1	262	28	3.4	0	35.2	44
02/01/2023 10:30	2	272	25	3.5	0	35.8	43
02/01/2023 10:40	2.6	277	23	3.8	0	35.7	43
02/01/2023 10:50	1.9	218	35	3.4	0	35.8	44
02/01/2023 11:00	2.2	222	42	3.9	0	36.9	42
02/01/2023 11:10	2.4	247	23	5.1	0	37	42
02/01/2023 11:20	2.7	267	26	4.4	0	36.5	44
02/01/2023 11:30	3.2	276	21	5.3	0	37	43
02/01/2023 11:40	3.3	310	16	4.7	0	37.2	43
02/01/2023 11:50	4	333	17	6	0	36.6	45
02/01/2023 12:00	4.3	324	11	6.4	0	36.1	46
02/01/2023 12:10	4.5	328	9	6.6	0	35.8	46
02/01/2023 12:20	4.4	336	15	6.3	0	36.3	45
02/01/2023 12:30	4.7	324	8	6.3	0	36.2	44
02/01/2023 12:40	4.4	327	12	6	0	36.4	44
02/01/2023 12:50	5	327	8	6.9	0	35.9	48
02/01/2023 13:00	4.7	329	14	6.5	0	36	49
02/01/2023 13:10	5.3	330	14	7.5	0	36.1	48
02/01/2023 13:20	5.6	327	11	7.2	0	35.8	48
02/01/2023 13:30	5.7	333	11	7.8	0	35.8	49
02/01/2023 13:40	5.5	327	8	6.9	0	35.9	49
02/01/2023 13:50	6	325	9	7.9	0	35.6	50
02/01/2023 14:00	6.4	322	9	8.7	0	35.6	51
02/01/2023 14:10	6.4	335	12	8.7	0	35.8	54
02/01/2023 14:20	6	339	10	8.2	0	35.4	55
02/01/2023 14:30	6.5	344	7	8.4	0	35.2	57
02/01/2023 14:40	6.1	339	12	8.5	0	35.2	57
02/01/2023 14:50	6.3	342	10	8.4	0	35.3	55
02/01/2023 15:00	5.6	323	14	7.3	0	35.6	53
02/01/2023 15:10	5.5	318	11	8	0	35.3	55
02/01/2023 15:20	6.2	327	10	8	0	34.7	58
02/01/2023 15:30	5.5	322	15	7.5	0	35.3	55
02/01/2023 15:40	5.8	317	12	8.2	0	35	57
02/01/2023 15:50	6.2	316	13	8.4	0	34.5	58
02/01/2023 16:00	6.2	316	11	8.7	0	34.4	59
02/01/2023 16:10	5.6	312	15	8	0	34.5	60
02/01/2023 16:20	5.8	305	14	8.3	0	34.2	60



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/01/2023 16:30	5.5	298	13	8.1	0	34.4	59
02/01/2023 16:40	5.1	307	13	7.7	0	34.4	57
02/01/2023 16:50	6.2	310	10	8.6	0	34.3	56
02/01/2023 17:00	6.1	312	9	8.6	0	34	55
02/01/2023 17:10	6.7	309	8	8.9	0	34	55
02/01/2023 17:20	6.5	309	9	8.6	0	33.8	58
02/01/2023 17:30	5.8	308	11	8.4	0	33.6	59
02/01/2023 17:40	5.7	316	13	7.9	0	33.5	60
02/01/2023 17:50	6.2	307	12	8.8	0	33.2	62
02/01/2023 18:00	6.3	298	9	8.1	0	33.1	62
02/01/2023 18:10	6	309	8	8	0	32.8	63
02/01/2023 18:20	5.8	306	11	8	0	32.8	61
02/01/2023 18:30	5.8	305	11	7.9	0	32.7	62
02/01/2023 18:40	5.9	309	8	8.3	0	32.4	63
02/01/2023 18:50	5.1	300	11	7.4	0	32.3	64
02/01/2023 19:00	5.2	295	9	7.3	0	32	65
02/01/2023 19:10	5.7	312	8	7.7	0	31.9	65
02/01/2023 19:20	5.6	308	9	7.6	0	31.8	65
02/01/2023 19:30	4.9	296	9	7	0	31.7	66
02/01/2023 19:40	4.9	303	12	7.4	0	31.7	66
02/01/2023 19:50	6	309	7	8.1	0	31.6	66
02/01/2023 20:00	6.2	309	7	7.9	0	31.5	67
02/01/2023 20:10	5.9	309	9	8	0	31.4	68
02/01/2023 20:20	6.4	309	8	8.3	0	31.3	68
02/01/2023 20:30	5.7	309	9	8	0	31.4	68
02/01/2023 20:40	5.2	305	10	7.6	0	31.3	69
02/01/2023 20:50	5.2	308	9	7.7	0	31.2	69
02/01/2023 21:00	6	310	9	8.1	0	31.2	69
02/01/2023 21:10	5.5	309	9	7.6	0	31.1	69
02/01/2023 21:20	5	302	10	8.1	0	31.1	69
02/01/2023 21:30	4.6	300	11	6.6	0	31.1	69
02/01/2023 21:40	5.5	311	8	8.1	0	31.1	69
02/01/2023 21:50	5.1	306	9	7.4	0	31	69
02/01/2023 22:00	5.8	313	7	7.8	0	31	70
02/01/2023 22:10	6.2	312	7	7.9	0	30.9	70
02/01/2023 22:20	5.3	308	9	7.4	0	30.9	70
02/01/2023 22:30	5	293	9	6.7	0	30.9	70
02/01/2023 22:40	5.1	290	9	6.9	0	30.8	70
02/01/2023 22:50	5.5	292	8	7.3	0	30.8	70
02/01/2023 23:00	5.5	293	7	7	0	30.7	70
02/01/2023 23:10	5.8	291	6	8	0	30.6	70
02/01/2023 23:20	5.4	288	8	7.3	0	30.6	70
02/01/2023 23:30	5.5	284	7	7.4	0	30.5	70
02/01/2023 23:40	4.9	283	8	6.9	0	30.4	69
02/01/2023 23:50	5.4	275	7	7.1	0	30.4	69
02/02/2023 00:00	5.3	278	7	6.7	0	30.4	69
02/02/2023 00:10	4.7	279	8	6.2	0	30.3	69
02/02/2023 00:20	4.9	279	7	6.4	0	30.2	68



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/02/2023 00:30	4.5	280	7	6.4	0	30.2	68
02/02/2023 00:40	4.4	278	7	5.9	0	30.2	67
02/02/2023 00:50	4.8	274	7	6.3	0	30	67
02/02/2023 01:00	4.8	276	6	6	0	30.1	68
02/02/2023 01:10	4.8	275	6	6.1	0	30.2	67
02/02/2023 01:20	4.5	276	7	6.1	0	30.2	66
02/02/2023 01:30	5.1	274	5	6.8	0	30.1	65
02/02/2023 01:40	4.7	274	6	6.4	0	30	65
02/02/2023 01:50	4.9	273	7	7	0	30	65
02/02/2023 02:00	5.4	274	7	7.2	0	29.9	66
02/02/2023 02:10	5.3	270	6	7	0	29.9	66
02/02/2023 02:20	5.2	271	6	6.8	0	30	66
02/02/2023 02:30	4.7	270	6	6.2	0	30	66
02/02/2023 02:40	4.5	270	7	6.3	0	29.9	66
02/02/2023 02:50	5	262	7	6.7	0	29.9	67
02/02/2023 03:00	4.6	259	6	6.4	0	29.8	67
02/02/2023 03:10	4.3	262	7	5.7	0	29.7	67
02/02/2023 03:20	4.1	257	7	5.7	0	29.7	68
02/02/2023 03:30	4.1	264	6	5.3	0	29.6	68
02/02/2023 03:40	3.8	266	8	5.2	0	29.7	68
02/02/2023 03:50	4.1	274	7	6.1	0	29.7	68
02/02/2023 04:00	4.2	276	7	5.5	0	29.9	67
02/02/2023 04:10	4	276	6	5.5	0	29.9	68
02/02/2023 04:20	3.5	278	9	5.3	0	29.8	68
02/02/2023 04:30	3.2	262	7	4.3	0	29.7	68
02/02/2023 04:40	3.3	255	9	4.6	0	29.5	69
02/02/2023 04:50	3	274	8	4	0	29.4	69
02/02/2023 05:00	2.8	275	7	4	0	29.3	68
02/02/2023 05:10	3.1	285	7	4.5	0	29.4	68
02/02/2023 05:20	3.2	287	8	4.3	0	29.6	68
02/02/2023 05:30	3.1	292	9	4.3	0	29.6	69
02/02/2023 05:40	3	296	10	4.7	0	29.5	69
02/02/2023 05:50	3.2	285	9	4.2	0	29.4	69
02/02/2023 06:00	3.3	283	8	4.8	0	29.4	69
02/02/2023 06:10	3	291	9	4.6	0	29.4	69
02/02/2023 06:20	2.2	297	11	3.2	0	29.5	69
02/02/2023 06:30	2.4	294	10	3.7	0	29.7	69
02/02/2023 06:40	2.6	284	10	4	0	30	68
02/02/2023 06:50	3.5	284	9	4.7	0	30.3	68
02/02/2023 07:00	3.8	268	6	4.7	0	30.5	68
02/02/2023 07:10	3.7	259	9	4.5	0	30.7	68
02/02/2023 07:20	3.7	275	6	4.8	0	30.9	67
02/02/2023 07:30	3.6	271	8	5.1	0	31.2	66
02/02/2023 07:40	3	301	10	4.6	0	31.4	66
02/02/2023 07:50	2.4	309	23	3.9	0	31.7	66
02/02/2023 08:00	2.9	302	20	4.3	0	31.9	66
02/02/2023 08:10	3.5	305	9	4.7	0	31.8	66
02/02/2023 08:20	3.5	309	13	4.9	0	31.9	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/02/2023 08:30	3.6	314	13	5.1	0	32	66
02/02/2023 08:40	3.8	304	15	5.6	0	32.2	64
02/02/2023 08:50	3.5	319	13	5.1	0	32.4	64
02/02/2023 09:00	3.7	326	12	5.5	0	32.2	66
02/02/2023 09:10	4	322	13	6.1	0	32.3	65
02/02/2023 09:20	4.3	331	12	5.9	0	32.2	64
02/02/2023 09:30	4.9	348	13	6.9	0	32.5	64
02/02/2023 09:40	4.6	347	13	6.9	0	32.5	65
02/02/2023 09:50	4.7	334	14	6.6	0	32.5	65
02/02/2023 10:00	5	338	12	7.2	0	32.6	65
02/02/2023 10:10	5	331	14	6.9	0	33	64
02/02/2023 10:20	5	339	12	7	0	33	64
02/02/2023 10:30	5.5	346	9	7.2	0	32.9	63
02/02/2023 10:40	5.3	347	14	7.3	0	33.1	64
02/02/2023 10:50	5.5	354	9	7.6	0	32.9	65
02/02/2023 11:00	5.8	347	11	8.5	0	33.2	63
02/02/2023 11:10	6.1	351	8	8.4	0	33.2	62
02/02/2023 11:20	6.4	350	13	8.5	0	33.2	63
02/02/2023 11:30	5.7	353	18	8.4	0	33.8	61
02/02/2023 11:40	5.8	348	18	7.9	0	33.7	61
02/02/2023 11:50	5.9	341	14	8.5	0	33.8	61
02/02/2023 12:00	6.3	347	15	9.4	0	33.4	63
02/02/2023 12:10	7.2	353	9	9.9	0	33.4	63
02/02/2023 12:20	7	352	12	9.4	0	33.1	64
02/02/2023 12:30	6.2	344	12	8.9	0	33.2	62
02/02/2023 12:40	6	337	12	8.5	0	33.3	63
02/02/2023 12:50	6.2	351	14	9.1	0	33.6	61
02/02/2023 13:00	6.2	330	13	9.1	0	33.5	61
02/02/2023 13:10	6.1	330	10	8.3	0	33.5	62
02/02/2023 13:20	6	333	12	8.6	0	33.4	63
02/02/2023 13:30	5.9	327	15	8	0	33.7	63
02/02/2023 13:40	6.5	330	12	8.6	0	33.6	63
02/02/2023 13:50	6.6	332	14	9.1	0	33.4	62
02/02/2023 14:00	6.9	321	9	9.3	0	33.4	61
02/02/2023 14:10	6.9	326	10	8.8	0	33.4	59
02/02/2023 14:20	7.5	323	10	9.6	0	33.2	61
02/02/2023 14:30	7.2	320	7	9.4	0	33.2	62
02/02/2023 14:40	6.2	328	14	9.6	0	33.7	59
02/02/2023 14:50	6.7	329	12	9.2	0	33.5	59
02/02/2023 15:00	6	328	16	8.1	0	33.5	59
02/02/2023 15:10	6.2	329	12	8.7	0	33.6	59
02/02/2023 15:20	6.5	317	8	8.9	0	33.6	56
02/02/2023 15:30	6.5	325	11	8.3	0	33.5	60
02/02/2023 15:40	6.2	334	10	8.4	0	33.3	62
02/02/2023 15:50	6.5	334	15	9.2	0	32.8	64
02/02/2023 16:00	6.2	322	11	8.9	0	33.2	62
02/02/2023 16:10	6	327	11	8.9	0	33	63
02/02/2023 16:20	6.1	325	11	8.1	0	33.1	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/02/2023 16:30	6.1	323	10	8.3	0	32.8	65
02/02/2023 16:40	6.4	321	11	8.3	0	32.9	65
02/02/2023 16:50	6.4	323	11	8.8	0	32.7	65
02/02/2023 17:00	6.3	311	12	8.9	0	32.7	66
02/02/2023 17:10	5.9	314	15	8.3	0	32.6	67
02/02/2023 17:20	6.2	312	12	8.3	0	32.7	65
02/02/2023 17:30	5.9	319	13	8.1	0	32.7	64
02/02/2023 17:40	5.6	323	12	8.4	0	32.5	65
02/02/2023 17:50	5.4	313	9	8.1	0	32.5	66
02/02/2023 18:00	4.5	295	11	7.2	0	32.6	66
02/02/2023 18:10	5.4	280	13	7.3	0	32.4	66
02/02/2023 18:20	5.2	280	11	7.8	0	32.4	66
02/02/2023 18:30	5.2	281	8	6.9	0	32.1	66
02/02/2023 18:40	4.8	276	9	6.3	0	32	66
02/02/2023 18:50	4.6	265	8	6.5	0	31.9	66
02/02/2023 19:00	4.9	254	7	6.3	0	31.6	68
02/02/2023 19:10	4.1	262	7	5.2	0	31.5	66
02/02/2023 19:20	3.6	244	12	5	0	31.6	68
02/02/2023 19:30	3.9	244	9	5	0	31.5	68
02/02/2023 19:40	3.2	241	21	5	0	31.6	68
02/02/2023 19:50	3.3	266	8	4	0	31.4	68
02/02/2023 20:00	3.3	251	11	4.1	0	31.3	68
02/02/2023 20:10	2.6	219	16	3.7	0	31.6	66
02/02/2023 20:20	2.5	212	14	3.6	0	31.8	65
02/02/2023 20:30	2.4	231	19	3.6	0	31.9	64
02/02/2023 20:40	1.4	188	19	2.5	0	31.8	64
02/02/2023 20:50	0.8	242	38	1.3	0	31.9	62
02/02/2023 21:00	0.8	330	13	1.4	0	31.8	63
02/02/2023 21:10	1.8	299	7	2.6	0	31.6	64
02/02/2023 21:20	2	285	8	2.7	0	31.6	64
02/02/2023 21:30	1.5	273	9	2.2	0	31.6	65
02/02/2023 21:40	2.4	263	7	3.2	0	31.6	65
02/02/2023 21:50	3	272	6	3.8	0	31.5	67
02/02/2023 22:00	2.5	284	7	3.3	0	31.4	67
02/02/2023 22:10	1.9	288	8	2.5	0	31.4	67
02/02/2023 22:20	1.1	254	17	1.6	0	31.3	67
02/02/2023 22:30	1.5	191	12	1.9	0	31.5	66
02/02/2023 22:40	1.6	145	20	2.7	0	31.5	66
02/02/2023 22:50	2.1	130	15	3.1	0	31.7	60
02/02/2023 23:00	2.2	135	21	5.5	0	31.9	58
02/02/2023 23:10	4.3	146	14	7.1	0	31.7	53
02/02/2023 23:20	3.8	147	16	6	0	31.2	55
02/02/2023 23:30	3	136	21	5.2	0	31.1	57
02/02/2023 23:40	2.9	140	18	5.3	0	31.1	59
02/02/2023 23:50	4.7	110	14	7.2	0	31.3	60
02/03/2023 00:00	6	88	6	8.2	0	31.1	59
02/03/2023 00:10	6	89	9	8.5	0	30.9	63
02/03/2023 00:20	5.9	85	6	8.3	0	30.7	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/03/2023 00:30	6.2	86	8	9	0	30.9	70
02/03/2023 00:40	9.1	77	8	12.7	0	31	70
02/03/2023 00:50	8.3	65	6	11.2	0	30.9	70
02/03/2023 01:00	9	73	9	12.2	0	30.2	68
02/03/2023 01:10	9.1	71	6	12.3	0	29.5	69
02/03/2023 01:20	8.2	72	7	11.7	0	29.3	69
02/03/2023 01:30	7.6	68	7	11.2	0	29.4	68
02/03/2023 01:40	7	70	7	9.8	0	29.3	68
02/03/2023 01:50	6.1	71	8	8.9	0	29.3	68
02/03/2023 02:00	5.8	67	9	8.1	0	29.2	68
02/03/2023 02:10	5.4	67	9	7.6	0	29.3	69
02/03/2023 02:20	5.7	59	8	7.8	0	29.3	69
02/03/2023 02:30	6.5	54	8	8.5	0	29.2	69
02/03/2023 02:40	6.1	52	7	8.3	0	29.3	68
02/03/2023 02:50	5	55	8	7.2	0	29.5	67
02/03/2023 03:00	4.3	61	8	5.9	0	29.5	67
02/03/2023 03:10	5.6	61	8	7.9	0	29.6	66
02/03/2023 03:20	6.2	60	8	8.3	0	29.6	67
02/03/2023 03:30	5.7	58	7	7.9	0	29.5	68
02/03/2023 03:40	4.8	65	8	6.6	0	29.4	68
02/03/2023 03:50	4.4	58	7	6.2	0	29.4	68
02/03/2023 04:00	3.4	51	9	5	0	29.5	68
02/03/2023 04:10	3.3	39	10	4.6	0	29.5	67
02/03/2023 04:20	3.7	34	9	4.9	0	29.6	66
02/03/2023 04:30	3	32	9	4.3	0	29.5	67
02/03/2023 04:40	2.7	28	10	4.1	0	29.4	68
02/03/2023 04:50	2.2	33	11	3.6	0	29.4	68
02/03/2023 05:00	2	48	9	2.9	0	29.4	69
02/03/2023 05:10	2	64	9	2.9	0	29.3	69
02/03/2023 05:20	1.7	78	7	2.1	0	29.2	69
02/03/2023 05:30	1.2	87	11	1.9	0	29.2	69
02/03/2023 05:40	0.5	150	52	1	0	29.1	69
02/03/2023 05:50	1.3	78	9	1.6	0	29.1	69
02/03/2023 06:00	1.1	60	9	1.4	0	29.1	69
02/03/2023 06:10	1.8	56	4	2.1	0	29	69
02/03/2023 06:20	2.2	62	7	2.7	0	29.1	69
02/03/2023 06:30	3.5	74	7	4.8	0	29.4	69
02/03/2023 06:40	3.8	79	7	5.1	0	29.9	69
02/03/2023 06:50	3.4	73	9	4.9	0	30.3	67
02/03/2023 07:00	2.9	67	11	4.1	0	30.8	67
02/03/2023 07:10	3	63	9	4.2	0	30.8	65
02/03/2023 07:20	2.9	61	10	3.8	0	30.5	67
02/03/2023 07:30	2.7	66	10	3.8	0	30.4	67
02/03/2023 07:40	3.1	58	9	4.5	0	31.2	64
02/03/2023 07:50	4.2	59	7	5.2	0	31.4	63
02/03/2023 08:00	4.3	61	11	6.1	0	31.6	64
02/03/2023 08:10	4.6	73	8	6.5	0	31.7	64
02/03/2023 08:20	5	74	11	6.7	0	31.9	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/03/2023 08:30	5.4	73	9	7.6	0	31.7	65
02/03/2023 08:40	5.6	91	13	8.8	0	31.6	67
02/03/2023 08:50	5.2	95	15	7.1	0	31.6	65
02/03/2023 09:00	4.4	106	17	6.3	0	31.8	64
02/03/2023 09:10	4.5	88	15	6.8	0	31.6	65
02/03/2023 09:20	4.8	81	15	6.7	0	31.7	66
02/03/2023 09:30	4.9	85	9	7.6	0	31.9	65
02/03/2023 09:40	4.4	86	14	6.9	0	32.1	65
02/03/2023 09:50	4.3	76	15	7	0	31.9	66
02/03/2023 10:00	4.8	71	12	7.9	0	32.2	65
02/03/2023 10:10	4	75	20	7	0	32.2	65
02/03/2023 10:20	3.9	66	20	6.7	0	32.6	63
02/03/2023 10:30	5	76	12	8	0	32.5	63
02/03/2023 10:40	4.7	79	13	8	0	32.5	62
02/03/2023 10:50	4.8	80	12	6.8	0	32.6	61
02/03/2023 11:00	5.1	79	9	7.4	0	32.3	63
02/03/2023 11:10	4.9	82	10	6.8	0	32.4	63
02/03/2023 11:20	5.2	78	8	7.2	0	32.6	62
02/03/2023 11:30	5.4	77	10	7.4	0	32.5	63
02/03/2023 11:40	6	80	9	8.5	0	32.7	63
02/03/2023 11:50	5.8	79	9	7.5	0	32.5	62
02/03/2023 12:00	5.8	81	9	7.8	0	32.8	61
02/03/2023 12:10	5.2	62	11	8.2	0	32.8	64
02/03/2023 12:20	6.2	67	12	8.5	0	32.9	63
02/03/2023 12:30	6	71	12	8.4	0	32.6	63
02/03/2023 12:40	5.9	60	12	7.9	0	32.7	62
02/03/2023 12:50	5.8	58	10	8.9	0	33	60
02/03/2023 13:00	5.9	69	12	8.1	0	32.8	61
02/03/2023 13:10	6.1	62	11	8.7	0	33.1	62
02/03/2023 13:20	6.2	59	10	8.9	0	33.2	62
02/03/2023 13:30	6.3	59	9	9.2	0	33.3	60
02/03/2023 13:40	6.4	66	8	9	0	33.6	58
02/03/2023 13:50	6.5	65	9	8.7	0	33.9	59
02/03/2023 14:00	6.7	58	10	9	0	33.4	61
02/03/2023 14:10	6.6	62	11	9	0	33.7	59
02/03/2023 14:20	6.4	62	9	8.2	0	33.7	58
02/03/2023 14:30	5.8	67	8	7.8	0	34.3	50
02/03/2023 14:40	5.3	74	9	7.6	0	35.2	46
02/03/2023 14:50	5.5	67	10	7.5	0	35.7	46
02/03/2023 15:00	4.6	63	13	7.6	0	35.5	47
02/03/2023 15:10	4.5	38	20	6.9	0	36	47
02/03/2023 15:20	6.4	181	11	8.8	0	35.4	51
02/03/2023 15:30	7.3	5	9	9.7	0	34.7	55
02/03/2023 15:40	7.5	11	9	9.5	0	34.2	57
02/03/2023 15:50	6.8	13	11	8.8	0	34.1	56
02/03/2023 16:00	7.2	12	8	9	0	34.1	57
02/03/2023 16:10	7.2	10	10	9.4	0	33.6	58
02/03/2023 16:20	6.6	12	10	9	0	33.6	58



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/03/2023 16:30	6.4	8	9	8.5	0	33.7	58
02/03/2023 16:40	6.9	12	7	9.2	0	33.3	59
02/03/2023 16:50	6.7	13	9	8.5	0	33.3	58
02/03/2023 17:00	5.8	183	12	7.5	0	33.5	57
02/03/2023 17:10	5.3	350	15	8.1	0	33.7	58
02/03/2023 17:20	5.7	336	11	8.5	0	33	62
02/03/2023 17:30	6.5	333	13	8.7	0	32.6	63
02/03/2023 17:40	5.8	321	12	8	0	32.7	62
02/03/2023 17:50	5.9	322	9	7.8	0	32.4	63
02/03/2023 18:00	5.8	329	11	7.5	0	32.3	63
02/03/2023 18:10	5.7	328	9	7.8	0	32.1	64
02/03/2023 18:20	5.7	325	12	8.6	0	31.8	65
02/03/2023 18:30	5.1	315	11	7.3	0	31.8	64
02/03/2023 18:40	5.4	312	10	7.3	0	31.7	64
02/03/2023 18:50	5	308	10	7.3	0	31.7	64
02/03/2023 19:00	5.8	310	7	7.8	0	31.4	64
02/03/2023 19:10	5.1	311	9	6.9	0	31.5	62
02/03/2023 19:20	4.5	308	11	6.1	0	31.4	62
02/03/2023 19:30	2.8	314	13	4.4	0	31.4	62
02/03/2023 19:40	3.3	312	9	4.5	0	31.4	62
02/03/2023 19:50	3.4	281	12	4.9	0	31.4	62
02/03/2023 20:00	4	271	9	5.3	0	31.2	63
02/03/2023 20:10	3.7	269	9	5	0	31.2	63
02/03/2023 20:20	3.8	269	7	4.9	0	31.3	63
02/03/2023 20:30	4.3	262	5	5.2	0	31.2	65
02/03/2023 20:40	4.4	258	6	5.6	0	31.1	65
02/03/2023 20:50	4.1	260	6	5	0	31.1	65
02/03/2023 21:00	4.6	261	5	5.6	0	31	66
02/03/2023 21:10	4.1	261	6	5	0	30.9	67
02/03/2023 21:20	4.2	261	5	5.3	0	30.9	67
02/03/2023 21:30	3.8	259	6	5	0	30.9	66
02/03/2023 21:40	4.2	259	8	6	0	30.9	67
02/03/2023 21:50	4	261	8	5.1	0	30.8	68
02/03/2023 22:00	4.2	260	7	5.7	0	30.8	68
02/03/2023 22:10	3.6	262	9	4.9	0	30.8	68
02/03/2023 22:20	3.9	262	6	5.2	0	30.8	68
02/03/2023 22:30	4	259	8	5.2	0	30.8	68
02/03/2023 22:40	3.9	260	5	4.9	0	30.8	68
02/03/2023 22:50	3.7	247	9	5.2	0	30.9	67
02/03/2023 23:00	3.6	248	10	5.2	0	31	67
02/03/2023 23:10	3.8	248	11	5.3	0	30.9	68
02/03/2023 23:20	3.9	248	9	5.2	0	31.1	68
02/03/2023 23:30	4.4	234	10	6.1	0	31.1	69
02/03/2023 23:40	4.5	233	12	6.7	0	31	70
02/03/2023 23:50	4.2	241	11	5.8	0	30.8	69
02/04/2023 00:00	3.6	235	11	5.5	0	30.9	69
02/04/2023 00:10	4.2	235	10	5.8	0	31	69
02/04/2023 00:20	3.6	211	11	5.4	0	30.7	70





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/04/2023 00:30	3.2	227	14	5	0	30.7	70
02/04/2023 00:40	3	247	12	4.1	0	30.7	70
02/04/2023 00:50	3.7	265	8	4.8	0	30.6	70
02/04/2023 01:00	3.9	273	7	5.2	0	30.5	70
02/04/2023 01:10	3.8	294	14	5.1	0	30.1	70
02/04/2023 01:20	3	329	7	3.8	0	29	69
02/04/2023 01:30	3	317	10	3.9	0	29.4	68
02/04/2023 01:40	3.5	271	19	4.7	0	29.4	68
02/04/2023 01:50	4.8	208	12	6.5	0	29.5	65
02/04/2023 02:00	4.6	200	10	6.9	0	29.2	65
02/04/2023 02:10	4.8	194	9	6.9	0	29.2	64
02/04/2023 02:20	3.7	187	10	5.4	0	29.1	62
02/04/2023 02:30	2.9	200	11	4.5	0	28.7	65
02/04/2023 02:40	2.2	197	10	3.2	0	28.5	65
02/04/2023 02:50	1.8	191	17	2.8	0	28.5	64
02/04/2023 03:00	1.6	190	22	2.6	0	28.4	63
02/04/2023 03:10	1.5	194	13	2.3	0	28.4	63
02/04/2023 03:20	0.9	208	25	1.7	0	28.3	63
02/04/2023 03:30	0.9	181	37	1.6	0	28.4	63
02/04/2023 03:40	1.2	101	25	1.9	0	28.6	62
02/04/2023 03:50	1.2	97	24	2.1	0	28.5	62
02/04/2023 04:00	1.1	81	24	1.8	0	28.1	64
02/04/2023 04:10	0.9	77	34	1.7	0	28.1	65
02/04/2023 04:20	1.3	51	15	1.8	0	27.9	66
02/04/2023 04:30	2.3	55	6	2.8	0	27.8	66
02/04/2023 04:40	2.1	56	4	2.5	0	27.8	67
02/04/2023 04:50	2.3	67	4	2.8	0	27.8	67
02/04/2023 05:00	1.7	71	10	2.5	0	27.9	68
02/04/2023 05:10	2.6	64	10	3.7	0	28.1	69
02/04/2023 05:20	3	79	9	4.3	0	28.9	68
02/04/2023 05:30	3.5	78	6	4.6	0	29.1	68
02/04/2023 05:40	3.9	85	5	5.1	0	29.2	68
02/04/2023 05:50	5	85	6	7.6	0	29.4	68
02/04/2023 06:00	6.4	88	5	8.7	0	29.1	67
02/04/2023 06:10	5.1	91	9	7.8	0	29	69
02/04/2023 06:20	4.8	95	11	7.3	0	29.1	67
02/04/2023 06:30	4.9	95	10	6.7	0	29.4	64
02/04/2023 06:40	5.2	94	10	7.9	0	29.5	63
02/04/2023 06:50	5.3	97	10	6.9	0	29.4	64
02/04/2023 07:00	5.5	90	8	7.6	0	29.3	65
02/04/2023 07:10	5.1	88	7	7.2	0	29.4	67
02/04/2023 07:20	4.5	87	8	6.5	0	29.6	67
02/04/2023 07:30	5.1	87	6	7.4	0	29.6	68
02/04/2023 07:40	5.1	90	8	7.2	0	29.9	68
02/04/2023 07:50	5.3	89	7	7.2	0	30.1	68
02/04/2023 08:00	5	92	11	7.6	0	30.6	67
02/04/2023 08:10	5.3	91	8	7.8	0	31.1	66
02/04/2023 08:20	5.3	88	11	7.5	0	31.4	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/04/2023 08:30	5	92	10	7	0	31.9	65
02/04/2023 08:40	4.6	91	13	6.7	0	32.2	63
02/04/2023 08:50	5	94	11	7.1	0	32.3	63
02/04/2023 09:00	4.8	87	13	7.3	0	32.4	62
02/04/2023 09:10	4.6	92	15	6.8	0	32.5	63
02/04/2023 09:20	4.8	78	11	6.6	0	32.5	63
02/04/2023 09:30	5.3	78	8	6.6	0	32.1	63
02/04/2023 09:40	5.7	83	8	7.5	0	32.1	63
02/04/2023 09:50	5.8	85	7	7.5	0	32.3	63
02/04/2023 10:00	6	80	8	7.8	0	32.3	64
02/04/2023 10:10	5.7	82	8	7.8	0	32.5	63
02/04/2023 10:20	5.7	71	11	8	0	32.7	62
02/04/2023 10:30	5.8	66	11	8.2	0	33	61
02/04/2023 10:40	6.3	58	10	8.4	0	32.9	61
02/04/2023 10:50	6.2	60	11	8.6	0	33.1	61
02/04/2023 11:00	6.2	58	7	8.9	0	33.1	60
02/04/2023 11:10	6.3	64	10	8.2	0	33.2	60
02/04/2023 11:20	5.9	55	11	8.4	0	33.3	59
02/04/2023 11:30	6	55	10	8.4	0	33.4	59
02/04/2023 11:40	6.2	56	8	8.4	0	33.3	59
02/04/2023 11:50	5.7	59	10	8.1	0	33.7	57
02/04/2023 12:00	6.2	63	9	8.4	0	34	56
02/04/2023 12:10	6.1	67	10	8.2	0	34	58
02/04/2023 12:20	6.2	66	9	7.9	0	34.2	56
02/04/2023 12:30	5.8	60	9	8.2	0	34.3	55
02/04/2023 12:40	6.2	61	10	8.5	0	34.5	52
02/04/2023 12:50	6.4	65	9	8.8	0	34.4	54
02/04/2023 13:00	6.2	63	10	7.9	0	34.7	50
02/04/2023 13:10	6.6	67	8	8.9	0	35	48
02/04/2023 13:20	6.8	70	8	8.8	0	34.8	47
02/04/2023 13:30	6.6	65	10	8.7	0	35.1	47
02/04/2023 13:40	6.3	70	9	8.1	0	35.6	44
02/04/2023 13:50	6.1	71	10	8.9	0	35.4	44
02/04/2023 14:00	5.7	33	20	8.3	0	35.7	48
02/04/2023 14:10	6.4	10	13	8.8	0	35	56
02/04/2023 14:20	6.1	4	12	8.1	0	35	57
02/04/2023 14:30	6.1	2	13	7.8	0	34.7	58
02/04/2023 14:40	6.1	183	10	8.2	0	35.2	55
02/04/2023 14:50	6.4	8	9	8.2	0	34.6	56
02/04/2023 15:00	6.5	7	12	8.3	0	34.7	56
02/04/2023 15:10	6.7	7	10	8.5	0	34.1	60
02/04/2023 15:20	6.2	5	10	8.3	0	34.2	60
02/04/2023 15:30	5.8	9	11	7.7	0	33.8	63
02/04/2023 15:40	5.2	331	16	7.1	0	33.8	62
02/04/2023 15:50	5.3	335	13	7.3	0	33	65
02/04/2023 16:00	4.5	324	15	6.9	0	33.5	63
02/04/2023 16:10	4.2	313	16	6.1	0	33.2	63
02/04/2023 16:20	3.9	319	17	6.2	0	33.7	62



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/04/2023 16:30	4.6	335	14	6.6	0	33.7	62
02/04/2023 16:40	4.2	326	13	5.9	0	33.4	62
02/04/2023 16:50	4.1	332	13	5.6	0	33	61
02/04/2023 17:00	3.9	339	15	5.5	0	32.6	61
02/04/2023 17:10	3.6	329	13	5	0	32.5	63
02/04/2023 17:20	3.2	334	17	4.8	0	32.5	63
02/04/2023 17:30	3.4	328	11	5	0	32.4	63
02/04/2023 17:40	3.7	336	11	5.2	0	32.2	64
02/04/2023 17:50	3.8	328	12	5	0	32.2	64
02/04/2023 18:00	4.1	329	13	5.5	0	31.9	66
02/04/2023 18:10	4.1	317	13	5.6	0	31.8	67
02/04/2023 18:20	3.9	321	15	5.4	0	31.7	67
02/04/2023 18:30	4.4	307	13	6.5	0	31.7	68
02/04/2023 18:40	4.4	312	13	6.7	0	31.6	68
02/04/2023 18:50	4.6	310	13	7.3	0	31.4	69
02/04/2023 19:00	4.4	310	11	6.3	0	31.4	70
02/04/2023 19:10	4.2	311	13	5.8	0	31.2	71
02/04/2023 19:20	3.7	310	13	6.4	0	31.1	70
02/04/2023 19:30	4.1	304	14	5.6	0	30.9	70
02/04/2023 19:40	4.3	303	11	5.5	0	30.8	70
02/04/2023 19:50	3.8	306	10	5.7	0	30.8	70
02/04/2023 20:00	3.9	305	10	5.3	0	30.8	70
02/04/2023 20:10	3.6	308	12	5.1	0	30.8	70
02/04/2023 20:20	3.5	320	10	5	0	30.8	70
02/04/2023 20:30	3.5	328	10	4.7	0	30.8	70
02/04/2023 20:40	3.3	312	10	4.4	0	30.9	70
02/04/2023 20:50	3.4	328	13	4.7	0	30.8	70
02/04/2023 21:00	3.4	303	13	4.9	0	30.8	70
02/04/2023 21:10	3.3	297	11	4.8	0	30.9	70
02/04/2023 21:20	3.3	291	9	4.8	0	30.8	70
02/04/2023 21:30	3.4	293	12	4.8	0	30.8	70
02/04/2023 21:40	3.2	299	12	4.4	0	30.8	70
02/04/2023 21:50	3.5	288	9	4.4	0	30.8	70
02/04/2023 22:00	4	287	6	5.3	0	30.8	70
02/04/2023 22:10	3.2	286	8	4.4	0	30.7	70
02/04/2023 22:20	3.3	295	11	4.7	0	30.6	70
02/04/2023 22:30	2.7	291	10	3.6	0	30.5	70
02/04/2023 22:40	2.4	285	9	3.2	0	30.5	70
02/04/2023 22:50	2.2	284	7	2.7	0	30.4	70
02/04/2023 23:00	1.7	307	9	2.4	0	30.5	70
02/04/2023 23:10	2	322	10	3	0	30.5	70
02/04/2023 23:20	2.1	332	12	3.2	0	30.5	69
02/04/2023 23:30	5.8	63	21	10	0	30	69
02/04/2023 23:40	12.5	76	8	19.7	0	28.3	70
02/04/2023 23:50	13.5	74	8	19.7	0	27.5	70
02/05/2023 00:00	12.8	64	7	16.7	0	26.9	70
02/05/2023 00:10	9	55	7	12.4	0	26.5	69
02/05/2023 00:20	8.4	46	8	11.6	0	27	70



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/05/2023 00:30	7	38	9	9.8	0	27.7	69
02/05/2023 00:40	5.5	35	10	8.1	0	27.9	68
02/05/2023 00:50	6.2	10	9	8.7	0	27.9	68
02/05/2023 01:00	6.5	3	8	9	0	27.8	69
02/05/2023 01:10	7	8	8	9.9	0	27.7	68
02/05/2023 01:20	5.8	345	10	8	0	28.2	65
02/05/2023 01:30	4.7	332	10	6.5	0.8	27.4	69
02/05/2023 01:40	5.9	341	7	7.6	0.1	26.6	71
02/05/2023 01:50	4.5	337	10	6.7	0.1	26.4	71
02/05/2023 02:00	3.8	302	9	5.6	0	26.6	70
02/05/2023 02:10	3.6	275	6	4.8	0	26.5	69
02/05/2023 02:20	3.2	304	11	4.5	0	26.2	68
02/05/2023 02:30	2	276	15	3.5	0	26.4	69
02/05/2023 02:40	1.7	278	16	3.2	0	26.6	69
02/05/2023 02:50	4.8	246	8	6.4	0	27.1	69
02/05/2023 03:00	4.5	256	7	5.8	0	27	69
02/05/2023 03:10	5.1	252	7	6.9	0.1	26.8	68
02/05/2023 03:20	5	254	8	7.6	0	26.6	67
02/05/2023 03:30	4.8	251	10	6.9	0	26.7	66
02/05/2023 03:40	5.3	246	10	7	0	26.8	66
02/05/2023 03:50	5.4	254	9	7.4	0	26.6	67
02/05/2023 04:00	5.4	259	7	7.4	0	26.2	65
02/05/2023 04:10	5.9	253	10	8.2	0.1	26.3	65
02/05/2023 04:20	6.1	256	8	7.9	0	26	64
02/05/2023 04:30	5	254	10	7	0	25.8	63
02/05/2023 04:40	4.9	249	9	7	0	25.9	63
02/05/2023 04:50	5.3	260	6	7	0	25.9	65
02/05/2023 05:00	5	262	7	6.3	0	25.6	64
02/05/2023 05:10	4.7	244	10	6.9	0	26.1	67
02/05/2023 05:20	5.2	253	9	7.2	0	26.7	68
02/05/2023 05:30	5.1	259	11	7.9	0	26.5	68
02/05/2023 05:40	7.3	236	10	11.3	0	27.1	68
02/05/2023 05:50	4.9	253	12	6.8	0	27	68
02/05/2023 06:00	7.4	215	10	11.9	0	26.8	68
02/05/2023 06:10	6.9	210	11	10.3	0	26.5	68
02/05/2023 06:20	6.7	211	10	9.9	0	26.4	68
02/05/2023 06:30	7	211	10	10.3	0	26.9	68
02/05/2023 06:40	7	214	10	9.8	0	27.3	67
02/05/2023 06:50	6.2	212	9	9.6	0	27.3	67
02/05/2023 07:00	4.9	207	11	7.7	0	27.2	68
02/05/2023 07:10	4.5	204	14	7.6	0	27.3	68
02/05/2023 07:20	4.8	208	13	7.3	0	27.5	68
02/05/2023 07:30	2.9	192	25	6.1	0	27.7	68
02/05/2023 07:40	3.2	201	21	6	0	28.1	68
02/05/2023 07:50	4.3	195	13	7	0	28.7	67
02/05/2023 08:00	3.9	176	16	6.8	0	29.6	65
02/05/2023 08:10	4.1	190	13	6.7	0	29.5	65
02/05/2023 08:20	3.1	183	23	5.6	0	29.9	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/05/2023 08:30	2.9	175	22	5.9	0	30	65
02/05/2023 08:40	2.8	181	14	4.6	0	30	65
02/05/2023 08:50	2.9	176	17	4.8	0	30.7	63
02/05/2023 09:00	2.7	151	27	4.9	0	32.4	57
02/05/2023 09:10	2.7	166	30	5	0	33.1	55
02/05/2023 09:20	3	112	10	4.7	0	33.2	57
02/05/2023 09:30	2.8	134	21	4.7	0	34.1	53
02/05/2023 09:40	3.6	108	13	5.3	0	34.4	53
02/05/2023 09:50	3.3	113	13	5.4	0	34.5	52
02/05/2023 10:00	3.3	117	13	4.7	0	34.5	50
02/05/2023 10:10	2.8	119	17	4.5	0	35.3	45
02/05/2023 10:20	3.1	112	15	4.2	0	35.9	42
02/05/2023 10:30	2.7	109	26	4.1	0	36.4	42
02/05/2023 10:40	3.3	120	13	4.5	0	36.6	41
02/05/2023 10:50	3.5	106	13	5.1	0	36.6	40
02/05/2023 11:00	3.9	74	18	5.7	0	36.5	40
02/05/2023 11:10	3.6	77	16	5.6	0	36.6	40
02/05/2023 11:20	4.1	54	12	5.5	0	36.5	41
02/05/2023 11:30	3.1	57	18	5	0	36.2	43
02/05/2023 11:40	3.5	58	11	5.4	0	36.7	41
02/05/2023 11:50	3.9	65	11	5.9	0	36.9	41
02/05/2023 12:00	4.6	38	18	7.7	0	36.9	44
02/05/2023 12:10	3.9	12	18	6	0	36.2	49
02/05/2023 12:20	4.8	343	12	7.3	0	35	55
02/05/2023 12:30	4.9	345	19	6.5	0	35.2	53
02/05/2023 12:40	5.4	343	12	7.2	0	34.9	58
02/05/2023 12:50	5.7	326	11	7.7	0	34.5	60
02/05/2023 13:00	5.3	341	11	7.1	0	34.9	58
02/05/2023 13:10	5.1	335	10	7.2	0	34.9	59
02/05/2023 13:20	5.1	320	13	6.8	0	34.7	60
02/05/2023 13:30	4.9	315	13	7	0	34.5	60
02/05/2023 13:40	4.4	309	15	6.6	0	34.9	58
02/05/2023 13:50	3.8	326	19	5.4	0	34.4	59
02/05/2023 14:00	4	300	11	6.1	0	34.1	60
02/05/2023 14:10	4	313	17	6	0	34.4	58
02/05/2023 14:20	3.4	315	25	5.9	0	34.5	56
02/05/2023 14:30	4.3	299	14	6.4	0	34.4	56
02/05/2023 14:40	3.8	318	22	6	0	34.3	58
02/05/2023 14:50	3.9	326	11	6	0	34.7	56
02/05/2023 15:00	4.3	314	16	6	0	34.2	58
02/05/2023 15:10	4.2	320	17	6.2	0	34.1	59
02/05/2023 15:20	3.9	304	17	6.2	0	34.3	57
02/05/2023 15:30	4.3	308	12	6	0	34.7	57
02/05/2023 15:40	4.3	292	13	6.1	0	33.8	58
02/05/2023 15:50	3.7	314	17	5.4	0	33.9	59
02/05/2023 16:00	3.9	297	13	5.9	0	33.5	58
02/05/2023 16:10	3.9	300	12	5.9	0	33.7	58
02/05/2023 16:20	4.3	301	13	6.3	0	33.4	59



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/05/2023 16:30	5	312	8	6.9	0	33.2	58
02/05/2023 16:40	5.4	305	12	7.2	0	33.3	59
02/05/2023 16:50	4.9	313	10	6.9	0	34.1	56
02/05/2023 17:00	5.6	304	9	7.6	0	34	57
02/05/2023 17:10	6.6	302	7	8.5	0	33.3	58
02/05/2023 17:20	5.7	309	9	7.4	0	33.3	57
02/05/2023 17:30	5.4	300	13	8.1	0	33.6	57
02/05/2023 17:40	6	294	12	8.9	0	33.8	54
02/05/2023 17:50	6.5	277	7	8.4	0	33.7	52
02/05/2023 18:00	5.2	283	8	7.6	0	34	49
02/05/2023 18:10	5	277	10	7	0	33.9	51
02/05/2023 18:20	5.6	269	9	7.2	0	33.1	58
02/05/2023 18:30	5.7	260	10	7.4	0	32.8	62
02/05/2023 18:40	5.9	255	6	6.9	0	32.3	63
02/05/2023 18:50	5.9	252	9	7.4	0	32.3	63
02/05/2023 19:00	5.5	248	9	7.4	0	32.3	63
02/05/2023 19:10	5.9	259	8	8	0	32	65
02/05/2023 19:20	5.6	253	7	7.3	0	32	66
02/05/2023 19:30	5.2	260	6	6.6	0	31.8	65
02/05/2023 19:40	5.3	258	6	7	0	31.7	67
02/05/2023 19:50	5.2	260	7	6.8	0	31.6	68
02/05/2023 20:00	5.1	263	6	6.4	0	31.5	68
02/05/2023 20:10	4.9	259	6	5.9	0	31.5	68
02/05/2023 20:20	4.6	268	8	6.2	0	31.5	68
02/05/2023 20:30	5	261	6	6.3	0	31.5	67
02/05/2023 20:40	4.4	262	8	5.8	0	31.5	68
02/05/2023 20:50	5.3	256	6	6.7	0	31.4	68
02/05/2023 21:00	4.7	248	10	6.8	0	31.4	68
02/05/2023 21:10	4.3	261	8	5.8	0	31.3	68
02/05/2023 21:20	4.3	265	7	5.7	0	31.2	69
02/05/2023 21:30	5	259	6	6.5	0	31.2	69
02/05/2023 21:40	4.7	260	7	6.4	0	31.3	68
02/05/2023 21:50	4.7	264	7	6.2	0	31.1	68
02/05/2023 22:00	4.6	261	7	6.4	0	30.9	68
02/05/2023 22:10	4.2	273	7	5.8	0	30.9	68
02/05/2023 22:20	4.3	271	8	5.8	0	31	68
02/05/2023 22:30	4.9	258	7	6.7	0	31.2	68
02/05/2023 22:40	5.7	257	6	7.9	0	31.1	68
02/05/2023 22:50	5.7	258	6	7.6	0	31	68
02/05/2023 23:00	5	258	5	6.7	0	30.9	68
02/05/2023 23:10	4.8	259	7	6.4	0	30.9	68
02/05/2023 23:20	5	267	8	6.9	0	30.9	68
02/05/2023 23:30	4.6	264	7	6.7	0	31	68
02/05/2023 23:40	5.3	257	6	7.1	0	30.9	68
02/05/2023 23:50	5.1	258	6	6.7	0	30.7	68
02/06/2023 00:00	4.7	259	6	6.3	0	30.7	68
02/06/2023 00:10	4.7	261	6	5.9	0	30.6	68
02/06/2023 00:20	4.2	263	6	5.3	0	30.6	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/06/2023 00:30	4.6	263	5	5.8	0	30.7	65
02/06/2023 00:40	4.7	258	6	6.4	0	30.8	65
02/06/2023 00:50	4.7	257	6	6.4	0	30.8	66
02/06/2023 01:00	5.1	254	7	6.5	0	30.7	68
02/06/2023 01:10	5.7	251	9	8.4	0	30.8	69
02/06/2023 01:20	5.2	245	11	7.4	0	30.6	69
02/06/2023 01:30	4.5	245	10	6.9	0	30.5	69
02/06/2023 01:40	4.3	242	11	6	0	30.4	69
02/06/2023 01:50	3.8	246	12	5.6	0	30.3	69
02/06/2023 02:00	3.9	245	12	5.7	0	30.2	69
02/06/2023 02:10	2.9	226	18	4.5	0	30.3	68
02/06/2023 02:20	4	212	13	6.5	0	30.3	67
02/06/2023 02:30	3.2	201	13	5.2	0	30.2	66
02/06/2023 02:40	3.6	186	12	5.6	0	30.3	65
02/06/2023 02:50	3.3	183	12	5.2	0	30.3	64
02/06/2023 03:00	3.3	182	14	5.1	0	30.3	63
02/06/2023 03:10	3	178	13	5	0	30.4	61
02/06/2023 03:20	2.8	179	15	4.4	0	30.5	61
02/06/2023 03:30	1.4	166	36	3.2	0	30.4	60
02/06/2023 03:40	1	120	48	2.5	0	30.4	60
02/06/2023 03:50	1.1	79	23	2.1	0	30.1	60
02/06/2023 04:00	1.2	70	29	2	0	29.8	61
02/06/2023 04:10	0.9	77	26	1.5	0	29.5	62
02/06/2023 04:20	1.2	75	19	1.8	0	29.5	62
02/06/2023 04:30	1.6	74	13	2.3	0	29.3	63
02/06/2023 04:40	1.5	76	11	2.2	0	29.3	63
02/06/2023 04:50	1.1	62	22	1.9	0	29.2	64
02/06/2023 05:00	0.6	92	34	1.1	0	29.1	64
02/06/2023 05:10	0.6	92	25	1	0	29	64
02/06/2023 05:20	0.7	30	40	1.4	0	29.2	63
02/06/2023 05:30	1	187	35	1.7	0	29.4	63
02/06/2023 05:40	1.3	27	14	1.7	0	29.5	61
02/06/2023 05:50	0.6	76	38	1.3	0	29.3	62
02/06/2023 06:00	1.1	68	38	2.2	0	29.2	62
02/06/2023 06:10	1.5	78	26	2.9	0	29.1	62
02/06/2023 06:20	1.6	93	25	2.6	0	29.4	62
02/06/2023 06:30	1.6	97	20	2.4	0	29.7	61
02/06/2023 06:40	2.3	108	13	3.6	0	30.4	58
02/06/2023 06:50	1.9	106	15	3.1	0	30.9	57
02/06/2023 07:00	1.5	106	14	2.3	0	31.6	56
02/06/2023 07:10	1.3	121	19	2	0	32.3	54
02/06/2023 07:20	1.4	116	22	2.2	0	32.7	53
02/06/2023 07:30	1.4	114	15	2.5	0	33.2	52
02/06/2023 07:40	1.4	108	21	2.4	0	33.3	51
02/06/2023 07:50	1.6	187	18	2.5	0	33.1	50
02/06/2023 08:00	2.1	210	15	3.3	0	32.5	51
02/06/2023 08:10	1.2	151	31	2.2	0	33.4	48
02/06/2023 08:20	1.4	190	33	2.8	0	33.8	48



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/06/2023 08:30	1.4	95	40	2.6	0	34.4	45
02/06/2023 08:40	1.5	111	20	2.7	0	34.9	44
02/06/2023 08:50	1.9	124	27	3.1	0	35.4	44
02/06/2023 09:00	2.3	98	15	3.8	0	35.2	42
02/06/2023 09:10	2	86	22	3.2	0	35.2	41
02/06/2023 09:20	2.1	95	22	3.5	0	35.8	40
02/06/2023 09:30	1.8	111	30	3	0	35.6	40
02/06/2023 09:40	1.8	126	23	3.1	0	35.8	40
02/06/2023 09:50	1.9	71	23	3.5	0	36	39
02/06/2023 10:00	1.8	104	24	3	0	35.7	39
02/06/2023 10:10	1.7	131	30	3.1	0	36.4	38
02/06/2023 10:20	2.2	69	28	3.6	0	36.6	37
02/06/2023 10:30	1.9	91	26	3.2	0	37.6	35
02/06/2023 10:40	2	129	26	3.3	0	38.2	33
02/06/2023 10:50	1.8	121	60	3.3	0	38	33
02/06/2023 11:00	1.9	71	31	3.4	0	38.3	33
02/06/2023 11:10	1.8	133	58	3.6	0	38.8	31
02/06/2023 11:20	2.4	79	32	4.4	0	39.1	30
02/06/2023 11:30	2.4	60	24	4.1	0	39.2	30
02/06/2023 11:40	2.4	40	42	4.5	0	39.4	29
02/06/2023 11:50	2.5	36	26	4.8	0	39.5	30
02/06/2023 12:00	3.8	347	23	5.9	0	38.2	38
02/06/2023 12:10	4.2	172	18	6.6	0	37.7	41
02/06/2023 12:20	4.2	334	12	5.8	0	37.4	43
02/06/2023 12:30	4.4	335	15	6.4	0	37.5	43
02/06/2023 12:40	3.9	162	17	5.6	0	37.4	45
02/06/2023 12:50	5.1	319	9	6.5	0	36.8	48
02/06/2023 13:00	4.7	326	12	6.7	0	36.7	47
02/06/2023 13:10	4.5	349	13	6.5	0	37.2	43
02/06/2023 13:20	5.2	353	12	6.8	0	36.8	46
02/06/2023 13:30	5.3	352	11	7.3	0	37.3	46
02/06/2023 13:40	4.7	357	13	6.6	0	37.3	46
02/06/2023 13:50	5.1	357	13	7	0	37	49
02/06/2023 14:00	4.9	348	16	7	0	37	50
02/06/2023 14:10	5.6	328	11	7.8	0	36.1	52
02/06/2023 14:20	5.9	336	12	8.7	0	35.9	54
02/06/2023 14:30	6.4	331	11	8.2	0	35.4	54
02/06/2023 14:40	6.4	337	10	9	0	35.7	53
02/06/2023 14:50	5.6	335	15	8	0	36.5	50
02/06/2023 15:00	6.2	338	15	8.7	0	35.9	52
02/06/2023 15:10	6.6	343	13	8.7	0	35.6	53
02/06/2023 15:20	5.9	353	17	8.5	0	35.6	52
02/06/2023 15:30	6	180	13	8.3	0	36.5	48
02/06/2023 15:40	7	180	9	8.9	0	35.7	51
02/06/2023 15:50	7.4	353	7	9.3	0	35.2	51
02/06/2023 16:00	7.6	355	10	9.3	0	35	52
02/06/2023 16:10	7.7	354	8	9.7	0	34.9	52
02/06/2023 16:20	7.4	354	8	9.5	0	35	51





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/06/2023 16:30	7.3	358	8	9	0	34.9	50
02/06/2023 16:40	7.3	10	9	9.3	0	35.3	47
02/06/2023 16:50	7	10	12	9.5	0	35.2	48
02/06/2023 17:00	6.6	355	9	8.8	0	34.9	49
02/06/2023 17:10	6.8	10	11	8.9	0	34.7	49
02/06/2023 17:20	7	9	10	9	0	34.6	50
02/06/2023 17:30	6.7	6	11	8.9	0	34.4	51
02/06/2023 17:40	8.2	17	7	11.1	0	34.1	52
02/06/2023 17:50	7.6	16	7	9.9	0	33.7	56
02/06/2023 18:00	6.7	16	10	9.1	0	33.6	59
02/06/2023 18:10	6.3	12	10	8.6	0	33.2	61
02/06/2023 18:20	6.1	9	10	8.6	0	33.1	62
02/06/2023 18:30	6.1	12	8	8.2	0	32.8	64
02/06/2023 18:40	5.6	13	9	7.7	0	32.5	65
02/06/2023 18:50	6.1	16	8	8.1	0	32.5	64
02/06/2023 19:00	7	18	6	8.7	0	32.4	64
02/06/2023 19:10	6.5	14	8	8.6	0	32.1	66
02/06/2023 19:20	5.6	6	9	8	0	32.1	66
02/06/2023 19:30	5.8	4	9	7.9	0	31.9	67
02/06/2023 19:40	6.9	11	7	8.8	0	31.7	68
02/06/2023 19:50	6.5	11	7	8.5	0	31.5	69
02/06/2023 20:00	6.7	11	8	9.1	0	31.5	69
02/06/2023 20:10	5.8	184	9	7.6	0	31.4	69
02/06/2023 20:20	4.8	349	11	6.8	0	31.3	69
02/06/2023 20:30	4.9	344	10	6.8	0	31.2	69
02/06/2023 20:40	5.1	349	10	6.4	0	31.1	69
02/06/2023 20:50	4.6	336	10	6.5	0	31	68
02/06/2023 21:00	4.2	330	13	6.5	0	31	68
02/06/2023 21:10	4.4	321	10	5.9	0	31	68
02/06/2023 21:20	4.4	316	10	7.2	0	30.9	67
02/06/2023 21:30	4.9	309	8	6.5	0	30.8	67
02/06/2023 21:40	5	310	10	7	0	30.8	66
02/06/2023 21:50	4.1	305	11	6.2	0	30.7	66
02/06/2023 22:00	3.8	304	10	5.2	0	286.4	65
02/06/2023 22:10	3.8	306	8	5.3	0	30.6	65
02/06/2023 22:20	3.8	313	9	5.1	0	30.6	65
02/06/2023 22:30	4.2	309	6	5.6	0	30.5	65
02/06/2023 22:40	3.5	314	11	5.1	0	30.6	66
02/06/2023 22:50	3.1	317	11	4.4	0	30.6	66
02/06/2023 23:00	3.5	309	10	4.5	0	30.5	66
02/06/2023 23:10	2.7	297	14	3.8	0	30.5	66
02/06/2023 23:20	2.6	311	16	3.8	0	30.5	66
02/06/2023 23:30	2.4	286	11	3.2	0	30.4	65
02/06/2023 23:40	2.7	292	10	3.7	0	30.3	64
02/06/2023 23:50	2.4	285	9	3.4	0	30.3	64
02/07/2023 00:00	2.8	274	8	3.4	0	30.2	64
02/07/2023 00:10	2.7	276	8	3.7	0	30.2	64
02/07/2023 00:20	2.3	292	12	3.3	0	30.2	64



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/07/2023 00:30	2.1	306	14	3.3	0	30.1	64
02/07/2023 00:40	2.5	278	6	3.5	0	30.1	64
02/07/2023 00:50	2.7	272	6	3.6	0	30	64
02/07/2023 01:00	2.3	284	9	3.1	0	30	63
02/07/2023 01:10	2.2	293	8	3.4	0	30	63
02/07/2023 01:20	2.4	277	8	3.2	0	30	63
02/07/2023 01:30	2.5	274	7	3.4	0	29.9	63
02/07/2023 01:40	2.4	285	8	3.4	0	29.9	64
02/07/2023 01:50	1.9	282	8	2.6	0	29.8	64
02/07/2023 02:00	1.8	281	6	2.4	0	29.7	64
02/07/2023 02:10	1.9	279	6	2.5	0	29.7	63
02/07/2023 02:20	2.1	270	7	2.7	0	29.6	63
02/07/2023 02:30	2.1	270	6	2.8	0	29.6	63
02/07/2023 02:40	2.7	272	4	3.3	0	29.6	64
02/07/2023 02:50	1.9	288	10	2.5	0	29.6	64
02/07/2023 03:00	1.8	284	6	2.2	0	29.5	64
02/07/2023 03:10	1.3	272	6	1.9	0	29.4	64
02/07/2023 03:20	0.9	286	12	1.2	0	29.3	64
02/07/2023 03:30	0.5	279	18	0.9	0	29.3	64
02/07/2023 03:40	1.3	61	23	1.9	0	29.2	63
02/07/2023 03:50	1.5	54	10	1.9	0	29.2	63
02/07/2023 04:00	1.8	52	3	2.1	0	29.2	63
02/07/2023 04:10	1.9	54	4	2.2	0	29.2	63
02/07/2023 04:20	1.3	61	7	1.7	0	29.2	63
02/07/2023 04:30	1.3	140	19	2.3	0	29.3	63
02/07/2023 04:40	1.7	183	5	2.2	0	29.4	64
02/07/2023 04:50	2	185	5	2.4	0	29.4	64
02/07/2023 05:00	2	182	4	2.5	0	29.3	64
02/07/2023 05:10	2.3	182	5	2.7	0	29.3	64
02/07/2023 05:20	2.3	179	6	2.9	0	29.4	64
02/07/2023 05:30	1.6	146	13	2.6	0	29.5	64
02/07/2023 05:40	1.9	131	9	2.6	0	29.4	64
02/07/2023 05:50	1.1	145	21	1.9	0	29.4	64
02/07/2023 06:00	1.4	122	11	2	0	29.4	64
02/07/2023 06:10	1.2	135	21	2	0	29.4	64
02/07/2023 06:20	1.2	152	16	1.8	0	29.5	64
02/07/2023 06:30	1.7	168	12	2.3	0	29.7	65
02/07/2023 06:40	1.3	148	18	1.9	0	29.8	65
02/07/2023 06:50	1.6	125	11	2.3	0	29.9	66
02/07/2023 07:00	1.6	129	7	2.3	0	30.3	66
02/07/2023 07:10	1.5	136	15	2.2	0	30.8	66
02/07/2023 07:20	1.7	131	9	2.5	0	31.3	67
02/07/2023 07:30	1.9	116	15	2.9	0	31.8	67
02/07/2023 07:40	2.2	106	15	3	0	32	67
02/07/2023 07:50	2.5	115	14	3.8	0	32	67
02/07/2023 08:00	2.5	122	15	3.6	0	31.9	67
02/07/2023 08:10	2.3	128	20	3.7	0	32	67
02/07/2023 08:20	2.6	107	21	3.8	0	32.2	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/07/2023 08:30	2.5	117	16	3.7	0	32	67
02/07/2023 08:40	3	123	18	4.3	0	32.2	67
02/07/2023 08:50	2.7	106	16	4.3	0	32.6	66
02/07/2023 09:00	2.9	116	15	4.6	0	32.7	66
02/07/2023 09:10	3.1	123	15	4.9	0	32.5	66
02/07/2023 09:20	2.7	131	16	4.3	0	32.4	67
02/07/2023 09:30	3	125	14	4.8	0	32.5	67
02/07/2023 09:40	3.4	108	18	5.1	0	32.6	67
02/07/2023 09:50	3.3	93	20	5.1	0	33.1	66
02/07/2023 10:00	3.2	92	29	5	0	32.9	65
02/07/2023 10:10	3.4	85	14	5.4	0	33.1	65
02/07/2023 10:20	3.8	83	12	5.7	0	33.2	65
02/07/2023 10:30	3.8	88	16	5.9	0	33.2	66
02/07/2023 10:40	3.8	95	18	5.7	0	33.7	65
02/07/2023 10:50	3.7	84	13	5.7	0	33.6	64
02/07/2023 11:00	4	82	17	5.9	0	34.1	62
02/07/2023 11:10	4.2	80	11	5.9	0	34.2	61
02/07/2023 11:20	4.8	79	11	6.4	0	33.9	61
02/07/2023 11:30	3.8	63	14	6	0	34.1	60
02/07/2023 11:40	3.5	69	14	5.3	0	34.1	60
02/07/2023 11:50	3.8	65	15	5.5	0	34.4	60
02/07/2023 12:00	3.8	62	13	5.7	0	34.6	59
02/07/2023 12:10	3.9	56	12	5.9	0	34.9	58
02/07/2023 12:20	4.6	65	10	5.7	0	34.7	59
02/07/2023 12:30	4.6	62	12	6.9	0	34.6	60
02/07/2023 12:40	4.3	62	12	6.1	0	35.1	58
02/07/2023 12:50	4.2	60	11	5.6	0	35.2	58
02/07/2023 13:00	3.7	22	28	5.8	0	36	53
02/07/2023 13:10	3.7	6	24	5.5	0	35.9	51
02/07/2023 13:20	4.3	345	26	7.6	0	36.2	49
02/07/2023 13:30	4.8	319	13	7	0	35.5	49
02/07/2023 13:40	4.9	323	12	6.6	0	35.6	47
02/07/2023 13:50	4.6	326	11	6.6	0	35.7	45
02/07/2023 14:00	4.7	337	14	6.5	0	36	44
02/07/2023 14:10	4.6	328	12	6.3	0	36.4	42
02/07/2023 14:20	4.4	336	16	6.4	0	36.3	39
02/07/2023 14:30	4.8	344	17	6.9	0	36.7	34
02/07/2023 14:40	4.8	339	17	6.7	0	36.6	35
02/07/2023 14:50	5.3	344	14	8.1	0	36.6	35
02/07/2023 15:00	5.7	334	11	7.6	0	36.2	36
02/07/2023 15:10	5.7	328	10	8.1	0	36.5	36
02/07/2023 15:20	5.5	326	11	7.3	0	36.1	38
02/07/2023 15:30	5.3	338	14	7.3	0	36	39
02/07/2023 15:40	5.1	345	13	7.4	0	35.8	43
02/07/2023 15:50	5.5	351	13	7.4	0	36	40
02/07/2023 16:00	5.9	341	11	8	0	35.3	45
02/07/2023 16:10	5.3	336	12	7.1	0	35.3	45
02/07/2023 16:20	4.7	350	12	6.8	0	35.2	45



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/07/2023 16:30	5.2	349	14	6.7	0	35.4	43
02/07/2023 16:40	5.1	338	11	7.2	0	35	43
02/07/2023 16:50	5.4	325	7	7.2	0	34.8	47
02/07/2023 17:00	4.6	332	13	7	0	35.1	45
02/07/2023 17:10	5.4	337	14	7.3	0	34.9	46
02/07/2023 17:20	5.8	329	10	8.1	0	34.4	49
02/07/2023 17:30	5	331	14	7.3	0	34.5	46
02/07/2023 17:40	5	323	13	7.3	0	34.5	45
02/07/2023 17:50	4.8	318	13	7.7	0	34.2	48
02/07/2023 18:00	4.9	320	12	7	0	33.8	52
02/07/2023 18:10	5.1	319	10	7	0	33.6	51
02/07/2023 18:20	5.2	317	8	6.6	0	33.2	53
02/07/2023 18:30	5.2	313	11	6.8	0	32.8	55
02/07/2023 18:40	5.1	325	8	6.9	0	32.7	57
02/07/2023 18:50	4.6	323	10	6.7	0	32.7	58
02/07/2023 19:00	4.1	322	11	5.9	0	32.5	58
02/07/2023 19:10	5	327	6	6.5	0	32.3	59
02/07/2023 19:20	4.2	327	10	5.8	0	32.2	59
02/07/2023 19:30	4.9	326	7	6.4	0	32.1	60
02/07/2023 19:40	4	323	9	5.6	0	32.1	61
02/07/2023 19:50	4.4	313	8	6.4	0	31.9	63
02/07/2023 20:00	4.5	323	10	5.9	0	31.8	65
02/07/2023 20:10	4.1	318	10	5.6	0	31.7	65
02/07/2023 20:20	4.6	312	7	6	0	31.6	66
02/07/2023 20:30	3.5	312	10	5.2	0	31.6	66
02/07/2023 20:40	3.7	311	9	5.1	0	31.4	67
02/07/2023 20:50	3.6	306	8	4.8	0	31.4	66
02/07/2023 21:00	3	314	11	4.4	0	31.4	67
02/07/2023 21:10	3.7	327	10	5.2	0	31.4	67
02/07/2023 21:20	4.1	312	10	5.5	0	31.3	67
02/07/2023 21:30	3.6	317	10	5.2	0	31.3	67
02/07/2023 21:40	3.4	313	14	4.8	0	31.2	68
02/07/2023 21:50	3.1	309	14	4.6	0	31.1	68
02/07/2023 22:00	3.3	304	9	4.8	0	31.1	68
02/07/2023 22:10	2.8	299	13	4.3	0	31	68
02/07/2023 22:20	3.3	282	7	4	0	31	68
02/07/2023 22:30	3.2	284	7	4.2	0	31	67
02/07/2023 22:40	3.1	288	9	4.1	0	31.1	67
02/07/2023 22:50	2.8	283	10	3.9	0	31.1	68
02/07/2023 23:00	3.2	281	10	4.1	0	31	67
02/07/2023 23:10	3.3	280	8	4.7	0	31.1	68
02/07/2023 23:20	3.3	273	7	4.2	0	31	68
02/07/2023 23:30	3.3	270	9	4	0	31	68
02/07/2023 23:40	3.3	274	7	4	0	30.9	66
02/07/2023 23:50	2.6	282	8	3.5	0	31	65
02/08/2023 00:00	3.3	278	6	4	0	30.9	67
02/08/2023 00:10	3.9	276	6	4.8	0	30.9	65
02/08/2023 00:20	3.3	289	8	4.3	0	31.1	62



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/08/2023 00:30	3.2	284	6	4	0	31.1	62
02/08/2023 00:40	3.6	273	6	4.5	0	31.1	65
02/08/2023 00:50	4.1	272	6	5.3	0	31	68
02/08/2023 01:00	4.2	271	5	5.4	0	31	63
02/08/2023 01:10	4	269	6	5.3	0	31	67
02/08/2023 01:20	4	264	6	5.3	0	30.8	69
02/08/2023 01:30	3.6	265	6	4.3	0	30.7	69
02/08/2023 01:40	3.6	264	5	4.4	0	30.5	68
02/08/2023 01:50	3.4	264	6	4	0	30.5	67
02/08/2023 02:00	2.9	245	14	4.2	0	30.6	67
02/08/2023 02:10	4.5	235	5	5.8	0	30.9	66
02/08/2023 02:20	3.5	252	11	5.1	0	30.7	67
02/08/2023 02:30	3.7	260	7	5	0	30.3	68
02/08/2023 02:40	3.3	262	6	4.3	0	30.2	68
02/08/2023 02:50	3	263	5	3.8	0	30.2	69
02/08/2023 03:00	2.8	260	6	3.5	0	30.2	69
02/08/2023 03:10	2.3	265	9	3.5	0	30.1	69
02/08/2023 03:20	1.8	275	8	2.7	0	30.1	69
02/08/2023 03:30	2.4	261	7	3.2	0	30.2	69
02/08/2023 03:40	2.2	257	9	3	0	30.2	69
02/08/2023 03:50	1.9	258	8	2.5	0	30.1	69
02/08/2023 04:00	1.7	255	12	3	0	30.1	69
02/08/2023 04:10	1.7	291	11	2.4	0	30	69
02/08/2023 04:20	1.7	301	10	2.4	0	30.1	68
02/08/2023 04:30	1.5	324	4	1.8	0	30	68
02/08/2023 04:40	1	329	7	1.4	0	30	68
02/08/2023 04:50	0.9	313	7	1.2	0	29.9	68
02/08/2023 05:00	0.8	296	27	1.4	0	29.8	67
02/08/2023 05:10	0.7	218	17	1.2	0	29.8	67
02/08/2023 05:20	1.1	205	10	1.7	0	30	67
02/08/2023 05:30	0.6	246	24	1.2	0	29.9	67
02/08/2023 05:40	0.4	277	25	0.7	0	29.8	67
02/08/2023 05:50	0.3	171	30	0.7	0	29.7	67
02/08/2023 06:00	0.3	180	14	0.5	0	29.6	67
02/08/2023 06:10	0.5	209	17	0.7	0	29.6	67
02/08/2023 06:20	0.5	70	9	0.7	0	29.8	67
02/08/2023 06:30	0.9	52	7	1.4	0	30	67
02/08/2023 06:40	1.4	52	5	1.6	0	30.3	67
02/08/2023 06:50	1.5	57	6	1.9	0	30.7	67
02/08/2023 07:00	1.6	71	8	2	0	31.2	67
02/08/2023 07:10	1.7	53	11	2.4	0	31.4	67
02/08/2023 07:20	2.3	69	8	3.2	0	31.8	67
02/08/2023 07:30	2.1	44	13	3.2	0	31.9	67
02/08/2023 07:40	2.1	64	13	3.3	0	32.1	67
02/08/2023 07:50	2.3	70	12	3.3	0	32.3	66
02/08/2023 08:00	2.3	86	23	3.2	0	32.7	65
02/08/2023 08:10	2.3	68	14	3.4	0	32.6	66
02/08/2023 08:20	2	98	23	3.6	0	33.3	64



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/08/2023 08:30	1.8	99	35	2.9	0	34.1	60
02/08/2023 08:40	1.9	106	41	3.5	0	34.3	59
02/08/2023 08:50	2.3	143	20	3.6	0	33.7	59
02/08/2023 09:00	2.5	95	25	3.9	0	34.3	55
02/08/2023 09:10	2.4	96	26	3.7	0	34.4	53
02/08/2023 09:20	2.8	89	20	4	0	34.8	52
02/08/2023 09:30	3	110	17	4.3	0	35.1	47
02/08/2023 09:40	3.1	111	19	4.7	0	35.4	46
02/08/2023 09:50	3.5	89	17	5.4	0	35.5	49
02/08/2023 10:00	3.8	80	9	5	0	34.9	48
02/08/2023 10:10	3.8	78	10	5.5	0	35	47
02/08/2023 10:20	4	75	13	5.7	0	34.9	47
02/08/2023 10:30	3.7	74	11	5	0	35.2	47
02/08/2023 10:40	3.6	62	12	5.6	0	35.5	46
02/08/2023 10:50	3.7	60	14	4.8	0	35.3	47
02/08/2023 11:00	4.2	72	13	6	0	35.5	48
02/08/2023 11:10	4.2	77	11	6.2	0	35.4	48
02/08/2023 11:20	3.7	86	20	5.6	0	35.6	49
02/08/2023 11:30	4.3	72	10	6.1	0	35.9	45
02/08/2023 11:40	3.7	59	12	5.3	0	35.5	46
02/08/2023 11:50	3.8	80	16	5.9	0	35.5	46
02/08/2023 12:00	4	72	14	6.2	0	35.9	46
02/08/2023 12:10	4.1	55	16	6	0	35.5	50
02/08/2023 12:20	2.9	25	28	5.3	0	35.7	52
02/08/2023 12:30	2.6	47	36	5.5	0	35.7	53
02/08/2023 12:40	3.5	52	30	6.5	0	35.6	52
02/08/2023 12:50	5	67	11	7	0	35.6	47
02/08/2023 13:00	4.6	73	13	6.7	0	35.6	48
02/08/2023 13:10	4.9	73	11	6.8	0	35.6	48
02/08/2023 13:20	5.2	68	9	6.8	0	35.6	48
02/08/2023 13:30	4.8	59	17	6.8	0	36	47
02/08/2023 13:40	4.5	49	20	7.1	0	36	48
02/08/2023 13:50	5	69	12	6.6	0	35.7	48
02/08/2023 14:00	5	66	10	6.5	0	35.6	47
02/08/2023 14:10	5.2	64	9	6.8	0	35.5	49
02/08/2023 14:20	5.3	71	10	6.7	0	35.5	50
02/08/2023 14:30	5.6	65	8	7.3	0	35.3	51
02/08/2023 14:40	5.3	68	8	6.8	0	35.2	53
02/08/2023 14:50	5.9	66	9	7.4	0	35.1	55
02/08/2023 15:00	5.3	61	20	7.7	0	35.5	53
02/08/2023 15:10	4.7	54	14	7.1	0	36.1	50
02/08/2023 15:20	5.1	53	16	8.4	0	36	49
02/08/2023 15:30	4.7	47	24	7.2	0	36.5	47
02/08/2023 15:40	5.3	11	12	8.3	0	36.4	46
02/08/2023 15:50	6.5	180	10	8.9	0	35.7	47
02/08/2023 16:00	7.2	7	10	9.8	0	35.4	49
02/08/2023 16:10	7.3	10	9	9.5	0	34.1	57
02/08/2023 16:20	7.2	13	10	9.6	0	33.9	59



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/08/2023 16:30	5.9	183	13	7.8	0	33.8	60
02/08/2023 16:40	5.8	182	12	8.6	0	33.7	61
02/08/2023 16:50	6.2	179	12	8.1	0	33.4	62
02/08/2023 17:00	5.3	182	13	7.3	0	33.5	62
02/08/2023 17:10	5	10	12	7.3	0	33.7	62
02/08/2023 17:20	5.8	15	9	7.7	0	33.4	63
02/08/2023 17:30	5.8	17	8	7.2	0	33.3	63
02/08/2023 17:40	5.4	15	10	6.8	0	33.2	64
02/08/2023 17:50	5.7	13	9	7.3	0	33.2	62
02/08/2023 18:00	5.4	12	11	7.5	0	33	63
02/08/2023 18:10	4.9	8	15	7.7	0	33.2	61
02/08/2023 18:20	4.7	347	13	6.3	0	32.6	64
02/08/2023 18:30	4.5	174	14	6.6	0	32	67
02/08/2023 18:40	4.6	355	11	7	0	32	66
02/08/2023 18:50	4.6	2	12	6.4	0	31.8	67
02/08/2023 19:00	3.7	176	14	6.3	0	31.8	67
02/08/2023 19:10	2.9	355	16	4.5	0	31.7	68
02/08/2023 19:20	3.6	5	11	5.7	0	31.6	68
02/08/2023 19:30	3.5	5	14	4.8	0	31.5	68
02/08/2023 19:40	3.7	7	13	5.3	0	31.5	68
02/08/2023 19:50	3.9	6	11	5.6	0	31.5	68
02/08/2023 20:00	4.9	10	11	6.7	0	31.4	68
02/08/2023 20:10	4.9	11	9	6.8	0	31.2	68
02/08/2023 20:20	5.6	14	9	7.5	0	31.2	67
02/08/2023 20:30	5.4	17	9	7	0	31.2	68
02/08/2023 20:40	4.5	12	11	6.6	0	31.2	68
02/08/2023 20:50	4.8	7	12	7.1	0	31.1	68
02/08/2023 21:00	4.1	10	12	6.1	0	31.1	69
02/08/2023 21:10	4.5	16	11	6.2	0	31	69
02/08/2023 21:20	4.7	17	8	6.9	0	30.9	69
02/08/2023 21:30	5.1	16	10	7.3	0	30.9	69
02/08/2023 21:40	4.6	11	11	6.6	0	30.9	69
02/08/2023 21:50	4.2	12	11	6.5	0	30.8	69
02/08/2023 22:00	2.4	350	13	3.9	0	30.8	69
02/08/2023 22:10	3.4	347	12	5.3	0	30.8	69
02/08/2023 22:20	4	343	11	5.4	0	30.6	69
02/08/2023 22:30	3.8	354	11	5.1	0	30.6	69
02/08/2023 22:40	3.3	346	10	4.9	0	30.6	69
02/08/2023 22:50	3.2	350	12	4.8	0	30.6	69
02/08/2023 23:00	3.8	344	10	5.5	0	30.6	69
02/08/2023 23:10	3.5	340	13	5	0	30.6	68
02/08/2023 23:20	3	346	13	4	0	30.5	68
02/08/2023 23:30	3.1	338	11	4.7	0	30.5	68
02/08/2023 23:40	2.8	338	15	4.5	0	30.4	68
02/08/2023 23:50	2.5	346	17	3.8	0	30.4	68
02/09/2023 00:00	3.5	352	12	5	0	30.4	67
02/09/2023 00:10	3.4	343	11	5	0	30.3	67
02/09/2023 00:20	3.2	339	10	4.6	0	30.3	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/09/2023 00:30	3.2	331	9	4.8	0	30.2	67
02/09/2023 00:40	3.4	331	11	5.3	0	30.2	67
02/09/2023 00:50	3.8	326	9	4.9	0	30.1	67
02/09/2023 01:00	3.4	333	10	4.5	0	30.1	67
02/09/2023 01:10	2.9	324	11	4.2	0	30.1	67
02/09/2023 01:20	2.8	329	14	4.6	0	30.1	66
02/09/2023 01:30	3.1	341	12	4.2	0	30.1	66
02/09/2023 01:40	2.3	337	15	3.4	0	30.1	66
02/09/2023 01:50	2	337	16	3.6	0	30	66
02/09/2023 02:00	1.7	344	13	2.7	0	30.1	67
02/09/2023 02:10	1	329	21	1.9	0	30.1	66
02/09/2023 02:20	1.5	334	19	2.4	0	30	66
02/09/2023 02:30	2.3	330	14	3.3	0	30	66
02/09/2023 02:40	2.3	331	13	3.3	0	30	67
02/09/2023 02:50	2.3	334	11	3.6	0	30	67
02/09/2023 03:00	2.4	327	12	3.4	0	30	67
02/09/2023 03:10	2.2	329	10	3.1	0	30	67
02/09/2023 03:20	1.8	305	16	2.5	0	29.9	67
02/09/2023 03:30	1.9	285	9	2.6	0	30	67
02/09/2023 03:40	1.5	281	10	2.2	0	30	67
02/09/2023 03:50	2.1	275	9	2.9	0	30	67
02/09/2023 04:00	3	270	6	3.7	0	30	67
02/09/2023 04:10	3	264	6	3.8	0	30	67
02/09/2023 04:20	2.8	249	10	3.9	0	30	67
02/09/2023 04:30	2.4	252	14	3.7	0	30	67
02/09/2023 04:40	2.7	264	6	3.5	0	29.9	67
02/09/2023 04:50	2.7	258	12	4.1	0	30	67
02/09/2023 05:00	3.3	254	10	4.5	0	30	67
02/09/2023 05:10	3.5	240	9	4.6	0	30	67
02/09/2023 05:20	4.1	234	5	5.4	0	29.9	66
02/09/2023 05:30	4.1	233	7	5.3	0	29.9	67
02/09/2023 05:40	3.9	238	10	5.4	0	29.9	67
02/09/2023 05:50	3.3	245	11	4.8	0	30	67
02/09/2023 06:00	3.4	244	11	4.9	0	30	67
02/09/2023 06:10	3.3	244	10	4.4	0	30	67
02/09/2023 06:20	2.7	243	11	4	0	30	67
02/09/2023 06:30	2.7	247	10	3.8	0	30.3	67
02/09/2023 06:40	2.5	237	14	3.9	0	30.5	68
02/09/2023 06:50	2	227	16	3.2	0	30.6	68
02/09/2023 07:00	1.9	264	18	3.1	0	30.9	68
02/09/2023 07:10	2.1	276	14	3.5	0	31.2	67
02/09/2023 07:20	2.2	279	11	3	0	31.3	67
02/09/2023 07:30	1.7	261	31	3.3	0	31.5	67
02/09/2023 07:40	3	250	10	3.9	0	31.5	67
02/09/2023 07:50	2.2	283	18	3.6	0	31.5	67
02/09/2023 08:00	1.8	295	19	2.9	0	31.4	67
02/09/2023 08:10	1.6	307	29	2.8	0	31.5	67
02/09/2023 08:20	1.6	252	26	3.2	0	32.1	65





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/09/2023 08:30	1.5	268	60	2.9	0	32.3	66
02/09/2023 08:40	2.9	269	23	4.8	0	32.3	66
02/09/2023 08:50	2.2	272	31	3.4	0	31.8	67
02/09/2023 09:00	2.4	290	16	3.6	0	31.6	67
02/09/2023 09:10	1.2	304	36	2.3	0	31.5	67
02/09/2023 09:20	2.2	289	32	4.1	0	32.2	66
02/09/2023 09:30	3	312	20	4.7	0	32.9	63
02/09/2023 09:40	3.6	324	12	5.1	0	33.1	62
02/09/2023 09:50	4.3	337	9	6.2	0	32.8	62
02/09/2023 10:00	4	332	18	5.6	0	33.1	61
02/09/2023 10:10	3.8	335	20	5.1	0	33.2	61
02/09/2023 10:20	4.2	333	12	6.2	0	33.3	62
02/09/2023 10:30	4.3	325	14	6.4	0	33.1	63
02/09/2023 10:40	4.5	326	15	6.9	0	33.1	64
02/09/2023 10:50	4.6	335	14	6.3	0	33.1	65
02/09/2023 11:00	4	326	20	7.2	0	33.2	65
02/09/2023 11:10	4.4	320	10	6.4	0	33.3	64
02/09/2023 11:20	4	321	13	5.5	0	33.4	63
02/09/2023 11:30	4.1	325	10	7.2	0	33.3	64
02/09/2023 11:40	4.1	332	13	6.2	0	33.5	63
02/09/2023 11:50	3.8	343	13	5.8	0	34.1	61
02/09/2023 12:00	4.2	334	14	5.8	0	34.2	60
02/09/2023 12:10	4.3	334	14	6.6	0	33.9	60
02/09/2023 12:20	4.3	330	11	6.4	0	33.9	59
02/09/2023 12:30	4.2	332	14	6	0	33.8	60
02/09/2023 12:40	4.2	340	20	6.5	0	34.1	59
02/09/2023 12:50	4.8	328	11	7.3	0	33.8	60
02/09/2023 13:00	5.1	335	14	7.2	0	33.7	62
02/09/2023 13:10	4.9	332	12	6.5	0	34	62
02/09/2023 13:20	4.9	326	10	7.2	0	33.8	61
02/09/2023 13:30	4.7	326	13	6.9	0	34.3	60
02/09/2023 13:40	5	335	14	6.8	0	34.1	62
02/09/2023 13:50	5	337	10	7.1	0	34.1	61
02/09/2023 14:00	5.5	331	10	7.6	0	33.9	62
02/09/2023 14:10	5	326	16	6.6	0	34.1	62
02/09/2023 14:20	4.4	305	19	6.4	0	34.6	59
02/09/2023 14:30	4.5	288	13	6.4	0	34.8	58
02/09/2023 14:40	4.4	280	13	6.5	0	34.7	58
02/09/2023 14:50	4	309	25	6.7	0	35	57
02/09/2023 15:00	5.2	329	10	7.1	0	34.2	59
02/09/2023 15:10	4.8	323	12	6.4	0	34.4	58
02/09/2023 15:20	5.1	331	13	7.1	0	34.5	58
02/09/2023 15:30	5.1	332	12	7.1	0	34.4	59
02/09/2023 15:40	5.1	333	10	7.2	0	34.4	58
02/09/2023 15:50	5.2	329	11	7.3	0	34.3	59
02/09/2023 16:00	5	330	11	7.1	0	34.5	58
02/09/2023 16:10	5.6	328	10	7.2	0	33.7	62
02/09/2023 16:20	6	330	12	8.7	0	33.6	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/09/2023 16:30	6.1	323	8	7.8	0	33.2	65
02/09/2023 16:40	5.7	328	9	8.6	0	33.2	66
02/09/2023 16:50	5.5	324	12	7.6	0	33.2	67
02/09/2023 17:00	5.9	319	11	7.8	0	33.1	67
02/09/2023 17:10	5.7	328	13	7.8	0	32.7	67
02/09/2023 17:20	5.3	325	15	7.4	0	32.8	66
02/09/2023 17:30	5.2	325	11	7.3	0	32.7	65
02/09/2023 17:40	4.9	336	13	6.5	0	32.8	65
02/09/2023 17:50	4.9	330	16	6.8	0	32.7	66
02/09/2023 18:00	5.2	324	13	7.3	0	32.5	66
02/09/2023 18:10	5.2	321	12	7	0	32.2	67
02/09/2023 18:20	4.8	313	12	6.8	0	32.2	68
02/09/2023 18:30	5.1	317	12	7.8	0	31.9	68
02/09/2023 18:40	5.1	317	11	7.1	0	31.7	69
02/09/2023 18:50	5.6	319	9	7.3	0	31.4	69
02/09/2023 19:00	4.7	314	11	7.1	0	31.3	69
02/09/2023 19:10	5.4	318	10	7.3	0	31.3	69
02/09/2023 19:20	5.1	312	12	8	0	31.2	69
02/09/2023 19:30	4.8	313	11	6.9	0	31.2	69
02/09/2023 19:40	4.7	313	12	7.2	0	31.1	69
02/09/2023 19:50	4.5	306	10	6.4	0	31.1	69
02/09/2023 20:00	4.8	307	10	6.5	0	31.1	69
02/09/2023 20:10	4.9	310	9	6.9	0	31	69
02/09/2023 20:20	5	310	7	6.5	0	31.1	69
02/09/2023 20:30	5	309	9	7.1	0	31.1	69
02/09/2023 20:40	5.4	309	8	7.4	0	31.1	69
02/09/2023 20:50	6.1	311	8	7.9	0	31	69
02/09/2023 21:00	6.1	314	7	8.2	0	30.9	68
02/09/2023 21:10	5.9	310	9	8.1	0	30.9	68
02/09/2023 21:20	5.8	311	8	8.1	0	30.9	68
02/09/2023 21:30	5.6	307	9	8.2	0	30.9	68
02/09/2023 21:40	6	309	8	8.5	0	30.7	68
02/09/2023 21:50	5.5	306	12	7.5	0	30.7	68
02/09/2023 22:00	4.7	302	12	7.5	0	30.7	68
02/09/2023 22:10	5.2	307	11	8.1	0	30.7	68
02/09/2023 22:20	5.1	303	12	8	0	30.6	68
02/09/2023 22:30	5	299	12	7.7	0	30.5	68
02/09/2023 22:40	5.3	307	11	8.6	0	30.5	68
02/09/2023 22:50	4.5	299	13	7.1	0	30.5	68
02/09/2023 23:00	5.4	296	10	8.5	0	30.4	67
02/09/2023 23:10	5.4	297	9	7.7	0	30.4	67
02/09/2023 23:20	5.7	293	9	8.7	0	30.3	67
02/09/2023 23:30	5.5	292	10	7.5	0	30.3	67
02/09/2023 23:40	6.5	279	8	8.5	0	30.2	67
02/09/2023 23:50	6.7	280	7	9.1	0	30.2	67
02/10/2023 00:00	5.7	283	10	8.2	0	30.2	67
02/10/2023 00:10	6.5	279	7	9.1	0	30.1	67
02/10/2023 00:20	6.7	279	7	8.8	0	30.1	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/10/2023 00:30	6.6	285	9	9.1	0	30.1	67
02/10/2023 00:40	6.6	281	7	8.7	0	30.1	67
02/10/2023 00:50	6.2	280	8	8.3	0	30.1	67
02/10/2023 01:00	6.3	277	8	8.5	0	30	67
02/10/2023 01:10	6.1	278	8	8.2	0	29.9	67
02/10/2023 01:20	6.3	279	8	8.3	0	29.9	67
02/10/2023 01:30	6.4	280	8	8.8	0	30	67
02/10/2023 01:40	5.4	286	8	7.6	0	30	67
02/10/2023 01:50	6.7	278	7	9	0	30	67
02/10/2023 02:00	5.9	278	7	8	0	29.9	68
02/10/2023 02:10	5.8	277	8	7.6	0	29.9	68
02/10/2023 02:20	6.1	275	7	8	0	30	68
02/10/2023 02:30	6.4	281	8	8.7	0	29.9	68
02/10/2023 02:40	5.8	280	8	8.2	0	29.9	68
02/10/2023 02:50	5.5	286	8	7.9	0	30	68
02/10/2023 03:00	5.3	281	8	8	0	30.2	68
02/10/2023 03:10	5.7	280	8	8.1	0	30.2	68
02/10/2023 03:20	5.5	277	8	8.3	0	30.2	68
02/10/2023 03:30	6.4	274	8	8.9	0	30.1	68
02/10/2023 03:40	6.6	270	6	8.7	0	30.2	68
02/10/2023 03:50	7.3	266	8	9.4	0	30.3	68
02/10/2023 04:00	6	263	7	7.8	0	30.2	68
02/10/2023 04:10	5.9	261	8	8.4	0	30.2	68
02/10/2023 04:20	6.1	264	8	8.4	0	30.2	68
02/10/2023 04:30	6.1	266	8	8.2	0	30.2	68
02/10/2023 04:40	5.2	265	7	7.5	0	30.2	68
02/10/2023 04:50	4.6	265	6	6.3	0	30.2	68
02/10/2023 05:00	5	264	8	6.7	0	30.2	68
02/10/2023 05:10	5.5	262	7	7.6	0	30.2	68
02/10/2023 05:20	5.6	272	7	7.6	0	30.3	69
02/10/2023 05:30	6.1	262	8	7.5	0	30.2	69
02/10/2023 05:40	5.1	261	7	7.1	0	30.2	69
02/10/2023 05:50	4.8	255	8	6.7	0	30.2	69
02/10/2023 06:00	4.3	241	12	5.8	0	30.2	69
02/10/2023 06:10	3.6	239	11	5.4	0	30.2	69
02/10/2023 06:20	3.3	243	12	4.9	0	30.1	69
02/10/2023 06:30	3.5	242	12	5.1	0	30.2	69
02/10/2023 06:40	4.7	241	9	6.1	0	30.2	69
02/10/2023 06:50	4.4	238	10	6.4	0	30.4	68
02/10/2023 07:00	4.8	239	11	7.2	0	30.5	68
02/10/2023 07:10	5.1	235	10	6.8	0	30.6	68
02/10/2023 07:20	5.4	239	8	7.1	0	30.8	68
02/10/2023 07:30	5.2	235	9	7.2	0	31	68
02/10/2023 07:40	5.8	236	12	8.5	0	31	68
02/10/2023 07:50	5.9	242	12	8.5	0	31.3	68
02/10/2023 08:00	6.1	249	11	8.1	0	31.5	67
02/10/2023 08:10	5.7	249	10	7.8	0	31.7	66
02/10/2023 08:20	5.4	247	11	7.7	0	32	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/10/2023 08:30	5.1	244	13	7.1	0	32.3	66
02/10/2023 08:40	6	262	11	8.7	0	32.4	64
02/10/2023 08:50	5.1	247	16	7.7	0	32.4	64
02/10/2023 09:00	5.2	254	12	7.5	0	32.8	64
02/10/2023 09:10	5.1	260	12	7.2	0	32.9	64
02/10/2023 09:20	5.7	271	8	8.2	0	33.2	62
02/10/2023 09:30	5.7	264	12	7.8	0	33.2	63
02/10/2023 09:40	5.3	268	10	7.7	0	33.4	62
02/10/2023 09:50	5.5	276	12	7.3	0	33.5	62
02/10/2023 10:00	5.5	263	13	7.9	0	33.5	63
02/10/2023 10:10	5.5	268	11	8.7	0	33.5	62
02/10/2023 10:20	6.3	274	9	8.8	0	33.6	62
02/10/2023 10:30	6.5	269	13	9.1	0	33.7	62
02/10/2023 10:40	6.3	264	10	8.7	0	33.5	62
02/10/2023 10:50	6.3	278	10	8.2	0	33.7	63
02/10/2023 11:00	7	282	10	9.1	0	33.7	63
02/10/2023 11:10	7.5	278	10	9.8	0	33.8	61
02/10/2023 11:20	7.6	278	8	10.3	0	33.9	60
02/10/2023 11:30	7.8	278	7	9.7	0	33.9	58
02/10/2023 11:40	7.8	274	10	9.6	0	34.1	57
02/10/2023 11:50	8.2	276	8	11	0	34.1	59
02/10/2023 12:00	8.3	277	8	10.3	0	34.5	55
02/10/2023 12:10	8.3	274	7	10.7	0	34.5	57
02/10/2023 12:20	8.2	272	7	10	0	34.5	58
02/10/2023 12:30	8	270	9	10.2	0	34.4	60
02/10/2023 12:40	7.8	275	10	10.5	0	34.6	61
02/10/2023 12:50	8.2	274	8	10.6	0	34.7	59
02/10/2023 13:00	7.9	272	11	11.4	0	34.9	59
02/10/2023 13:10	7.9	282	11	10.9	0	35.3	57
02/10/2023 13:20	8.5	267	8	11	0	35	59
02/10/2023 13:30	8	272	9	10.6	0	35.2	56
02/10/2023 13:40	8.8	273	6	10.9	0	34.8	56
02/10/2023 13:50	8.3	270	9	11.5	0	35.3	53
02/10/2023 14:00	8.4	267	9	10.9	0	35.3	54
02/10/2023 14:10	9	267	8	11.4	0	35	55
02/10/2023 14:20	9.9	271	5	11.8	0	34.5	56
02/10/2023 14:30	9	271	8	11.6	0	34.7	54
02/10/2023 14:40	9.1	267	8	12.2	0	34.7	56
02/10/2023 14:50	8.7	273	9	11.4	0	34.8	57
02/10/2023 15:00	9.1	268	9	11.9	0	34.3	62
02/10/2023 15:10	10	274	7	12.8	0	33.7	65
02/10/2023 15:20	9.8	271	7	12.3	0	33.8	64
02/10/2023 15:30	9.1	272	9	12	0	33.8	65
02/10/2023 15:40	8.8	267	10	11.6	0	33.8	65
02/10/2023 15:50	9.1	268	7	11.3	0	33.6	66
02/10/2023 16:00	8.8	268	7	11.7	0	33.9	64
02/10/2023 16:10	9	274	7	12.1	0	33.7	64
02/10/2023 16:20	8.8	269	7	11.3	0	33.6	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/10/2023 16:30	9.5	268	7	12.1	0	33.3	66
02/10/2023 16:40	10	269	6	12.2	0	33.1	67
02/10/2023 16:50	8.7	267	8	11.9	0	33.3	67
02/10/2023 17:00	9.3	269	6	12.2	0	33.1	67
02/10/2023 17:10	8.9	270	8	12.4	0	33	68
02/10/2023 17:20	9	267	7	12	0	32.9	68
02/10/2023 17:30	9.3	270	7	11.9	0	32.6	67
02/10/2023 17:40	9.2	267	8	11.5	0	32.7	67
02/10/2023 17:50	8.3	269	8	11	0	32.8	66
02/10/2023 18:00	8.7	277	9	11.8	0	32.6	66
02/10/2023 18:10	8.4	277	8	11.6	0	32.5	68
02/10/2023 18:20	9.4	275	7	11.9	0	31.9	69
02/10/2023 18:30	9.1	275	6	12.3	0	31.7	69
02/10/2023 18:40	8.8	276	8	11.5	0	31.4	69
02/10/2023 18:50	8.8	274	6	11.7	0	31.2	69
02/10/2023 19:00	8.5	275	7	11	0	31	69
02/10/2023 19:10	8.3	275	7	11.5	0	30.9	69
02/10/2023 19:20	8.7	277	7	11.6	0	30.9	69
02/10/2023 19:30	7.9	280	7	10.7	0	30.7	69
02/10/2023 19:40	7.7	278	7	11.1	0	30.8	69
02/10/2023 19:50	8.7	280	7	11.4	0	30.7	69
02/10/2023 20:00	8.2	283	7	11.3	0	30.6	69
02/10/2023 20:10	8	281	8	10.8	0	30.6	68
02/10/2023 20:20	7.8	286	8	10.1	0	30.5	68
02/10/2023 20:30	8.2	278	7	10.9	0	30.5	68
02/10/2023 20:40	8.7	280	6	11.6	0	30.4	68
02/10/2023 20:50	8	281	7	11.2	0	30.4	68
02/10/2023 21:00	7.3	280	8	9.5	0	30.4	68
02/10/2023 21:10	7.2	279	7	10.7	0	30.4	68
02/10/2023 21:20	8.2	283	7	10.9	0	30.4	68
02/10/2023 21:30	7.9	280	7	11.2	0	30.3	68
02/10/2023 21:40	7	283	8	9.7	0	30.3	68
02/10/2023 21:50	6.3	285	9	9.7	0	30.3	68
02/10/2023 22:00	6.9	286	8	9.5	0	30.2	67
02/10/2023 22:10	7.2	281	9	10.6	0	30.1	66
02/10/2023 22:20	6.9	284	8	9.8	0	30	66
02/10/2023 22:30	7	280	7	9.6	0	30	65
02/10/2023 22:40	6.9	283	8	9	0	29.9	64
02/10/2023 22:50	7.7	277	7	11	0	30	64
02/10/2023 23:00	6.7	277	8	10.1	0	30	64
02/10/2023 23:10	7.4	276	8	9.6	0	30	65
02/10/2023 23:20	7.5	277	9	9.7	0	30	65
02/10/2023 23:30	6.8	279	8	10.3	0	29.9	65
02/10/2023 23:40	7.8	278	8	10.8	0	29.9	65
02/10/2023 23:50	7.6	280	8	10	0	29.9	65
02/11/2023 00:00	6.8	280	8	9.7	0	29.9	65
02/11/2023 00:10	7	282	8	9.5	0	29.9	64
02/11/2023 00:20	6.7	286	8	8.8	0	29.7	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/11/2023 00:30	6.7	283	8	8.9	0	29.8	63
02/11/2023 00:40	6.5	281	8	8.3	0	29.8	63
02/11/2023 00:50	6.2	276	7	8.7	0	29.8	63
02/11/2023 01:00	7	269	8	9.5	0	29.8	63
02/11/2023 01:10	6.6	265	6	9.3	0	29.7	64
02/11/2023 01:20	6.7	260	8	10.5	0	29.7	64
02/11/2023 01:30	5.7	258	8	7.7	0	29.7	65
02/11/2023 01:40	5.6	267	8	7.4	0	29.7	65
02/11/2023 01:50	4.6	256	9	6.5	0	29.8	65
02/11/2023 02:00	4.8	256	11	6.7	0	29.8	65
02/11/2023 02:10	3.4	238	16	5.2	0	29.9	66
02/11/2023 02:20	4.6	259	7	6.1	0	29.7	66
02/11/2023 02:30	3.2	238	14	4.8	0	29.8	65
02/11/2023 02:40	3.3	233	13	5.4	0	29.8	66
02/11/2023 02:50	3.7	241	12	5	0	29.7	66
02/11/2023 03:00	2.8	242	13	4.2	0	29.7	66
02/11/2023 03:10	2.4	193	14	3.2	0	29.7	66
02/11/2023 03:20	3.1	185	9	4.2	0	29.5	65
02/11/2023 03:30	3.2	186	9	4.4	0	29.4	65
02/11/2023 03:40	2.9	182	9	4	0	29.3	64
02/11/2023 03:50	3.1	179	10	4	0	29.3	64
02/11/2023 04:00	2.4	201	17	4	0	29.2	64
02/11/2023 04:10	4	275	6	5.2	0	29.1	64
02/11/2023 04:20	4.5	270	4	5.8	0	29	64
02/11/2023 04:30	4.8	273	5	6.6	0	29	64
02/11/2023 04:40	6	277	7	7.8	0	29.1	64
02/11/2023 04:50	3.2	298	12	5	0	29.2	64
02/11/2023 05:00	3.2	319	11	4.5	0	29.4	64
02/11/2023 05:10	4.9	313	7	7	0	29.4	63
02/11/2023 05:20	5	302	8	6.7	0	29.4	63
02/11/2023 05:30	4.5	299	11	6.5	0	29.3	64
02/11/2023 05:40	5.2	297	9	7.3	0	29.4	65
02/11/2023 05:50	4.7	304	11	6.4	0	29.4	65
02/11/2023 06:00	5.1	302	10	7	0	29.4	65
02/11/2023 06:10	5	295	12	8.2	0	29.3	65
02/11/2023 06:20	6.5	290	9	8.7	0	29.4	65
02/11/2023 06:30	6.2	293	8	9.3	0	29.3	64
02/11/2023 06:40	6.6	291	8	9.2	0	29.3	65
02/11/2023 06:50	6.1	294	9	8.7	0	29.4	65
02/11/2023 07:00	6.8	292	8	8.8	0	29.3	65
02/11/2023 07:10	7.3	284	7	10.8	0	29.4	66
02/11/2023 07:20	6.7	286	9	9.2	0	29.6	66
02/11/2023 07:30	7.6	286	9	10.6	0	29.6	66
02/11/2023 07:40	8.1	284	8	10.8	0	29.7	67
02/11/2023 07:50	8	286	7	10.2	0	29.8	67
02/11/2023 08:00	7.9	282	9	11.1	0	29.7	66
02/11/2023 08:10	8.4	281	7	11	0	29.8	67
02/11/2023 08:20	8.3	290	7	11.6	0	30	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/11/2023 08:30	8.1	287	9	11.4	0	30.4	67
02/11/2023 08:40	8.6	280	8	11	0	30.6	67
02/11/2023 08:50	9.1	287	7	13.9	0	30.6	67
02/11/2023 09:00	9.3	288	8	12.3	0	30.4	68
02/11/2023 09:10	9.4	281	8	13.2	0	30.9	67
02/11/2023 09:20	10	282	7	12.8	0	31.4	66
02/11/2023 09:30	9	283	10	12.5	0	31.7	66
02/11/2023 09:40	9.4	280	10	11.9	0	32	65
02/11/2023 09:50	9	280	10	12.3	0	32.4	65
02/11/2023 10:00	9.5	267	8	12.4	0	32.6	65
02/11/2023 10:10	10	263	8	13.2	0	32.2	66
02/11/2023 10:20	9.9	260	8	13	0	32.5	65
02/11/2023 10:30	9	270	9	12.1	0	32.6	65
02/11/2023 10:40	9.8	270	9	12.8	0	32.7	65
02/11/2023 10:50	10.1	267	7	13	0	32.5	66
02/11/2023 11:00	10.2	264	8	13.3	0	32.3	67
02/11/2023 11:10	10.3	268	8	13.5	0	32.5	66
02/11/2023 11:20	9.2	265	8	12	0	32.5	66
02/11/2023 11:30	9.5	256	8	12.9	0	32.5	66
02/11/2023 11:40	9.4	260	8	12.5	0	32.6	66
02/11/2023 11:50	9.3	258	9	12.3	0	32.7	66
02/11/2023 12:00	9.4	261	8	11.9	0	32.6	65
02/11/2023 12:10	9.3	264	9	11.9	0	32.5	65
02/11/2023 12:20	9.2	260	8	12.1	0	32.7	65
02/11/2023 12:30	9.3	262	9	12	0	32.8	65
02/11/2023 12:40	9.3	271	10	12.6	0	32.7	65
02/11/2023 12:50	9.2	271	8	12.2	0	33	64
02/11/2023 13:00	8.9	274	9	12.1	0	33.3	63
02/11/2023 13:10	8.9	272	12	12.5	0	33	64
02/11/2023 13:20	9.6	264	8	12.7	0	33	64
02/11/2023 13:30	8.9	268	10	12.1	0	32.9	64
02/11/2023 13:40	9.5	272	8	12.3	0	32.9	62
02/11/2023 13:50	9.1	273	10	12.5	0	32.9	63
02/11/2023 14:00	8.2	275	10	11.1	0	33.3	63
02/11/2023 14:10	9.1	275	9	11.8	0	32.8	65
02/11/2023 14:20	9.2	273	9	11.8	0	32.6	66
02/11/2023 14:30	8.6	276	10	11.5	0	32.9	65
02/11/2023 14:40	8.4	278	8	11.4	0	33.2	65
02/11/2023 14:50	8.9	273	9	11.6	0	33	65
02/11/2023 15:00	9.1	273	10	11.9	0	32.7	65
02/11/2023 15:10	9.1	273	8	12.2	0	32	67
02/11/2023 15:20	8.9	273	7	11.2	0	32.5	66
02/11/2023 15:30	8.9	278	10	11.8	0	32.9	65
02/11/2023 15:40	9	275	10	11.8	0	32.7	66
02/11/2023 15:50	8.9	275	9	11.9	0	32.9	65
02/11/2023 16:00	9.2	274	8	11.9	0	32.7	65
02/11/2023 16:10	9.4	273	8	11.8	0	32.5	65
02/11/2023 16:20	9.4	270	9	11.6	0	32.6	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/11/2023 16:30	9	264	9	12.1	0	32.3	66
02/11/2023 16:40	8.2	280	10	11.9	0	32.1	66
02/11/2023 16:50	9.3	292	7	12.2	0	31.4	67
02/11/2023 17:00	7.7	275	11	11.3	0	31.9	67
02/11/2023 17:10	8.9	266	8	11.9	0	32.1	66
02/11/2023 17:20	8.4	262	8	11.3	0	32	66
02/11/2023 17:30	7.7	268	8	10.5	0	31.8	67
02/11/2023 17:40	7.4	265	8	11	0	31.6	68
02/11/2023 17:50	7	255	8	9.9	0	31.2	69
02/11/2023 18:00	6.6	258	8	9.9	0	31.3	69
02/11/2023 18:10	6.9	253	9	10.1	0	31.5	67
02/11/2023 18:20	7.8	260	7	11.3	0	31.5	67
02/11/2023 18:30	7.7	265	11	11	0	31.4	67
02/11/2023 18:40	6.1	241	10	8.6	0	31.7	53
02/11/2023 18:50	4.9	268	8	6.6	0	31.6	55
02/11/2023 19:00	4.5	264	9	5.6	0	31.5	58
02/11/2023 19:10	5.2	274	6	6.3	0	31.5	57
02/11/2023 19:20	5.4	273	5	6.6	0	31.3	57
02/11/2023 19:30	4.6	266	7	6	0	31.1	57
02/11/2023 19:40	5.6	271	7	7.3	0	31.1	58
02/11/2023 19:50	6.2	264	8	8.1	0	31.3	57
02/11/2023 20:00	5.9	263	7	8.1	0	31.5	55
02/11/2023 20:10	6.8	269	7	9.4	0	31.7	62
02/11/2023 20:20	8.2	266	8	10.8	0	31.5	65
02/11/2023 20:30	8.5	268	8	11.7	0	31.5	66
02/11/2023 20:40	8.3	264	7	11.6	0	31.6	66
02/11/2023 20:50	8.2	264	8	11.6	0	31.5	66
02/11/2023 21:00	8.8	260	7	11.3	0	31.5	67
02/11/2023 21:10	7.8	263	6	11	0	31.4	67
02/11/2023 21:20	6.9	270	8	9.8	0	31.5	67
02/11/2023 21:30	7.2	271	8	9.6	0	31.5	67
02/11/2023 21:40	7.1	266	6	9.7	0	31.5	67
02/11/2023 21:50	7.4	263	6	10.6	0	31.4	67
02/11/2023 22:00	8.5	263	6	11.1	0	31.3	68
02/11/2023 22:10	7.8	257	8	10.4	0	31.2	68
02/11/2023 22:20	7.1	262	8	9.3	0	31.1	68
02/11/2023 22:30	5.2	266	9	7.4	0	31.1	68
02/11/2023 22:40	5.4	265	7	7.3	0	31.1	68
02/11/2023 22:50	5.6	260	8	7.9	0	31.1	69
02/11/2023 23:00	5.6	250	9	7.6	0	31.1	69
02/11/2023 23:10	5	243	8	7.2	0	31.1	68
02/11/2023 23:20	5.3	235	10	7.6	0	31.3	68
02/11/2023 23:30	5.2	241	11	7.2	0	31.1	68
02/11/2023 23:40	5.1	254	9	7.6	0	30.8	68
02/11/2023 23:50	4.6	261	8	6.4	0	30.5	69
02/12/2023 00:00	4.7	260	8	6	0	30.4	69
02/12/2023 00:10	4.6	263	8	6.2	0	30.4	69
02/12/2023 00:20	4.5	258	7	5.9	0	30.3	69





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/12/2023 00:30	4.6	263	7	6.3	0	30.3	69
02/12/2023 00:40	5.6	263	5	6.8	0	30.2	69
02/12/2023 00:50	4.8	268	6	5.9	0	30.2	69
02/12/2023 01:00	5	266	5	6.4	0	30.3	69
02/12/2023 01:10	5.4	261	6	7	0	30.3	68
02/12/2023 01:20	5.4	260	5	7.1	0	30.2	69
02/12/2023 01:30	5.7	264	4	6.9	0	30.1	68
02/12/2023 01:40	5.4	261	6	7.2	0	30.2	68
02/12/2023 01:50	5.9	265	5	8.1	0	30.1	68
02/12/2023 02:00	6.6	262	6	8.7	0	30.1	68
02/12/2023 02:10	6.5	257	8	8.9	0	30	69
02/12/2023 02:20	6.3	256	7	8.1	0	29.9	69
02/12/2023 02:30	5.4	259	6	6.8	0	29.9	69
02/12/2023 02:40	4.6	259	6	6.1	0	29.9	69
02/12/2023 02:50	5	263	6	6.6	0	30	68
02/12/2023 03:00	5.2	259	7	7	0	30.1	69
02/12/2023 03:10	5.3	259	6	6.9	0	30.2	69
02/12/2023 03:20	5	261	5	6.5	0	30.3	69
02/12/2023 03:30	4.7	259	8	7.2	0	30.4	69
02/12/2023 03:40	5.2	261	7	6.9	0	30.5	68
02/12/2023 03:50	4.8	255	7	6.4	0	30.5	67
02/12/2023 04:00	4.4	254	8	6.1	0	30.6	69
02/12/2023 04:10	4.2	253	9	5.8	0	30.6	69
02/12/2023 04:20	4.4	258	7	5.7	0	30.6	69
02/12/2023 04:30	5.2	256	7	7.1	0	30.7	69
02/12/2023 04:40	6.2	252	8	9.3	0	30.6	69
02/12/2023 04:50	5.8	260	7	7.7	0	30.6	69
02/12/2023 05:00	6.5	257	7	8.5	0	30.3	68
02/12/2023 05:10	6.4	257	8	8.1	0	30.1	67
02/12/2023 05:20	6.2	257	6	8.2	0	30	67
02/12/2023 05:30	6	257	8	8.4	0	30	67
02/12/2023 05:40	5.9	258	8	8.1	0	30	66
02/12/2023 05:50	5.9	259	8	7.7	0	29.9	66
02/12/2023 06:00	5.1	257	8	7.2	0	29.8	66
02/12/2023 06:10	5.7	260	8	7.6	0	29.8	66
02/12/2023 06:20	5.9	262	5	7.6	0	29.8	66
02/12/2023 06:30	6	256	7	7.7	0	29.8	66
02/12/2023 06:40	5.6	254	8	7.1	0	30	66
02/12/2023 06:50	6	257	7	7.6	0	30.2	66
02/12/2023 07:00	5.8	259	7	7.5	0	30.4	67
02/12/2023 07:10	5.8	256	10	7.6	0	30.8	67
02/12/2023 07:20	6.3	258	6	8	0	30.8	67
02/12/2023 07:30	6.5	253	7	8.5	0	31	67
02/12/2023 07:40	6.4	255	8	8.5	0	31.6	66
02/12/2023 07:50	7.5	255	7	9.6	0	31.9	66
02/12/2023 08:00	7.2	251	9	9.3	0	32.1	65
02/12/2023 08:10	6.8	245	10	10.5	0	32.2	65
02/12/2023 08:20	7	249	10	9.8	0	32.3	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/12/2023 08:30	7	241	10	9.7	0	32.5	61
02/12/2023 08:40	6.2	235	11	8.8	0	32.9	58
02/12/2023 08:50	6.3	235	10	10.1	0	33.1	54
02/12/2023 09:00	6.2	235	14	9.2	0	33.1	54
02/12/2023 09:10	6.3	248	14	8.9	0	33.7	51
02/12/2023 09:20	6.1	234	13	8.4	0	33.9	48
02/12/2023 09:30	5.9	253	12	8.4	0	34.2	47
02/12/2023 09:40	5.7	238	11	8	0	34.1	47
02/12/2023 09:50	5.7	233	12	8.3	0	34.3	47
02/12/2023 10:00	5.2	248	15	7.2	0	34.8	46
02/12/2023 10:10	5.4	252	16	7.7	0	35.3	43
02/12/2023 10:20	5.2	259	11	7	0	35.5	44
02/12/2023 10:30	5.3	267	14	7.2	0	35.4	44
02/12/2023 10:40	5.5	275	12	7.7	0	35.9	43
02/12/2023 10:50	6.3	280	9	7.9	0	35.3	47
02/12/2023 11:00	7.1	280	7	9.1	0	34.7	49
02/12/2023 11:10	7	276	8	8.7	0	35.2	48
02/12/2023 11:20	6.9	284	11	9.4	0	35.2	50
02/12/2023 11:30	7	286	13	9.6	0	34.8	52
02/12/2023 11:40	8	280	10	10.6	0	34.2	54
02/12/2023 11:50	7.3	276	9	10.5	0	35.1	51
02/12/2023 12:00	7.6	273	10	10	0	35	54
02/12/2023 12:10	7.9	272	9	10.5	0	34.6	56
02/12/2023 12:20	8.3	277	6	10.5	0	34.2	58
02/12/2023 12:30	8.3	273	7	10.7	0	34.3	58
02/12/2023 12:40	8.2	278	9	11.5	0	34.2	59
02/12/2023 12:50	8.5	275	8	11	0	33.8	60
02/12/2023 13:00	7	284	10	10	0	34.7	57
02/12/2023 13:10	8.1	275	10	11.1	0	34.7	59
02/12/2023 13:20	7.6	272	8	9.8	0	34.8	60
02/12/2023 13:30	7.8	274	8	10.5	0	34.8	59
02/12/2023 13:40	7.5	278	8	10	0	35.3	56
02/12/2023 13:50	7.6	275	10	10.1	0	35.2	56
02/12/2023 14:00	7.6	267	8	10.3	0	35.7	53
02/12/2023 14:10	7.7	269	8	9.9	0	35.7	54
02/12/2023 14:20	7.9	271	7	9.9	0	35.6	57
02/12/2023 14:30	7.8	266	9	9.9	0	35.6	57
02/12/2023 14:40	8.2	270	8	10.5	0	35.5	57
02/12/2023 14:50	8.4	270	7	10.6	0	35.1	59
02/12/2023 15:00	8	271	8	10.1	0	35	60
02/12/2023 15:10	7.9	270	9	10.5	0	35.5	58
02/12/2023 15:20	7.7	268	9	10.3	0	35.7	57
02/12/2023 15:30	8.4	265	7	10.5	0	35.2	59
02/12/2023 15:40	7.6	269	8	9.7	0	35.3	59
02/12/2023 15:50	7.2	273	8	9.6	0	35.4	60
02/12/2023 16:00	7.6	266	7	10.1	0	35.2	61
02/12/2023 16:10	6.9	274	9	9.2	0	35.2	62
02/12/2023 16:20	6.7	277	10	9.1	0	35.4	61



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/12/2023 16:30	6.6	273	12	8.7	0	35.5	61
02/12/2023 16:40	6.4	296	10	8.7	0	35.4	60
02/12/2023 16:50	6.5	296	8	9.1	0	34.7	62
02/12/2023 17:00	6.4	293	10	9	0	34.5	63
02/12/2023 17:10	7.4	291	7	9.6	0	34	65
02/12/2023 17:20	6.7	290	9	8.7	0	33.9	65
02/12/2023 17:30	7.4	267	7	9.7	0	33.7	67
02/12/2023 17:40	7.6	270	7	9.8	0	33.3	66
02/12/2023 17:50	7.5	271	9	10	0	33.2	64
02/12/2023 18:00	8.4	269	7	11.2	0	33.2	62
02/12/2023 18:10	7.1	274	9	9.2	0	33.1	64
02/12/2023 18:20	6.6	278	8	8.8	0	33.3	62
02/12/2023 18:30	7.5	273	6	9.7	0	33	62
02/12/2023 18:40	7.7	277	7	10.1	0	32.7	63
02/12/2023 18:50	7.7	282	9	10.3	0	32.3	66
02/12/2023 19:00	5	297	17	7.7	0	32	69
02/12/2023 19:10	2	323	31	3.8	0	31.8	69
02/12/2023 19:20	3.7	200	33	5.5	0	31.7	68
02/12/2023 19:30	2.4	186	52	4.2	0	32.2	67
02/12/2023 19:40	1.8	39	24	2.4	0	32.4	66
02/12/2023 19:50	1.8	187	20	2.7	0	32.5	66
02/12/2023 20:00	4.1	304	10	5.6	0	32.7	67
02/12/2023 20:10	5.1	289	7	6.9	0	32.3	69
02/12/2023 20:20	5.8	293	8	7.9	0	32	69
02/12/2023 20:30	5.9	289	6	8	0	31.8	68
02/12/2023 20:40	6.9	281	7	8.8	0	31.7	68
02/12/2023 20:50	7.2	282	7	10.5	0	31.7	68
02/12/2023 21:00	8.4	277	7	10.5	0	31.5	68
02/12/2023 21:10	8.8	276	6	11	0	31.4	68
02/12/2023 21:20	8	273	6	10.5	0	31.4	68
02/12/2023 21:30	7.8	272	6	10.3	0	31.2	67
02/12/2023 21:40	6.5	272	9	8.5	0	31.2	66
02/12/2023 21:50	5.7	267	8	8.4	0	31.2	65
02/12/2023 22:00	6.4	272	7	8.2	0	31.2	65
02/12/2023 22:10	6.6	268	7	8.8	0	31.2	65
02/12/2023 22:20	6.9	269	7	9.6	0	31.2	64
02/12/2023 22:30	7.9	267	7	10.5	0	31.1	63
02/12/2023 22:40	7	267	6	9.4	0	31	61
02/12/2023 22:50	7.5	272	7	9.7	0	30.9	61
02/12/2023 23:00	7.2	275	6	9.6	0	30.8	61
02/12/2023 23:10	6.7	270	7	9.1	0	30.8	61
02/12/2023 23:20	6.9	270	7	8.8	0	30.8	61
02/12/2023 23:30	7.2	266	7	9.8	0	30.8	62
02/12/2023 23:40	7.8	266	7	10.7	0	30.7	62
02/12/2023 23:50	8	267	7	10.6	0	30.7	62
13/02/2023 00:00	8.6	270	6	11	0	30.7	62
13/02/2023 00:10	7.4	269	6	10.2	0	30.7	62
13/02/2023 00:20	7.3	269	6	9.9	0	30.7	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/02/2023 00:30	7.4	269	6	9.9	0	30.8	65
13/02/2023 00:40	7.4	271	6	10.2	0	30.8	66
13/02/2023 00:50	6.4	275	6	8.4	0	30.7	66
13/02/2023 01:00	6.2	275	7	8.8	0	30.6	65
13/02/2023 01:10	6.8	277	6	9.3	0	30.5	64
13/02/2023 01:20	7	278	7	9.4	0	30.5	64
13/02/2023 01:30	6.7	277	7	9.5	0	30.5	64
13/02/2023 01:40	6.4	278	8	9.2	0	30.4	63
13/02/2023 01:50	7.4	274	6	9.5	0	30.4	63
13/02/2023 02:00	7.2	275	8	10.1	0	30.4	63
13/02/2023 02:10	7.2	270	7	9.7	0	30.4	64
13/02/2023 02:20	7.9	266	7	10.7	0	30.4	64
13/02/2023 02:30	7.5	269	6	10.3	0	30.4	64
13/02/2023 02:40	6.8	268	8	9.1	0	30.4	64
13/02/2023 02:50	6.3	269	8	8.5	0	30.4	64
13/02/2023 03:00	7.3	265	8	9.7	0	30.3	64
13/02/2023 03:10	7.2	267	6	9.8	0	30.4	64
13/02/2023 03:20	7.6	268	7	10.5	0	30.4	64
13/02/2023 03:30	7.4	263	7	10.3	0	30.4	65
13/02/2023 03:40	7.3	262	7	9.7	0	30.4	65
13/02/2023 03:50	7.3	262	7	10.2	0	30.4	65
13/02/2023 04:00	7.2	264	8	9.9	0	30.4	65
13/02/2023 04:10	7.2	265	8	9.6	0	30.4	65
13/02/2023 04:20	7.6	265	6	10.2	0	30.4	65
13/02/2023 04:30	7	264	7	9.5	0	30.5	65
13/02/2023 04:40	5.4	255	10	7.3	0	30.5	65
13/02/2023 04:50	4.5	261	7	6.3	0	30.4	65
13/02/2023 05:00	3.2	262	7	4.4	0	30.4	65
13/02/2023 05:10	3.4	260	8	4.7	0	30.4	65
13/02/2023 05:20	3.1	264	6	4	0	30.4	66
13/02/2023 05:30	2.3	243	23	3.2	0	30.3	66
13/02/2023 05:40	2.5	179	6	3.4	0	30.4	66
13/02/2023 05:50	1.4	142	22	2.3	0	30.4	66
13/02/2023 06:00	1.5	183	19	2.6	0	30.4	66
13/02/2023 06:10	1.9	152	12	2.9	0	30.4	66
13/02/2023 06:20	1.3	155	23	2	0	30.3	66
13/02/2023 06:30	1.7	168	17	2.3	0	30.3	66
13/02/2023 06:40	0.7	237	63	1.4	0	30.3	67
13/02/2023 06:50	1.2	296	24	1.6	0	30.4	67
13/02/2023 07:00	1.3	303	13	1.8	0	30.6	67
13/02/2023 07:10	1.6	287	19	2.2	0	30.9	67
13/02/2023 07:20	1.8	291	10	2.5	0	31.7	67
13/02/2023 07:30	1.7	337	31	2.9	0	32.1	67
13/02/2023 07:40	1.5	177	20	2.4	0	32.3	67
13/02/2023 07:50	1.2	156	31	2.2	0	32.9	66
13/02/2023 08:00	1.3	11	25	2.4	0	33.4	66
13/02/2023 08:10	2	49	20	3.2	0	33.5	65
13/02/2023 08:20	3.2	22	20	4.3	0	33.4	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/02/2023 08:30	2.7	22	14	4.2	0	33.1	67
13/02/2023 08:40	3.7	14	15	5.2	0	33.1	67
13/02/2023 08:50	1.7	173	29	3.5	0	33.4	67
13/02/2023 09:00	1.8	183	30	3.3	0	33.9	66
13/02/2023 09:10	2.9	36	20	4.8	0	34.3	65
13/02/2023 09:20	2.4	38	24	4.8	0	34.6	65
13/02/2023 09:30	3	17	18	4.3	0	34.8	64
13/02/2023 09:40	2.6	351	19	4.6	0	34.9	63
13/02/2023 09:50	3.2	174	22	4.4	0	35	63
13/02/2023 10:00	3.1	342	19	4.7	0	34.3	65
13/02/2023 10:10	2.8	14	17	4.2	0	34.7	62
13/02/2023 10:20	3.5	12	10	5.6	0	34.8	62
13/02/2023 10:30	4.2	10	16	6.3	0	34.6	64
13/02/2023 10:40	4.1	355	15	5.6	0	34.3	65
13/02/2023 10:50	3.9	11	20	6.4	0	34.8	64
13/02/2023 11:00	3.6	185	15	5.4	0	34.7	64
13/02/2023 11:10	4	182	14	5.5	0	34.7	64
13/02/2023 11:20	3.5	7	11	5	0	35	63
13/02/2023 11:30	3.6	181	20	5.3	0	34.7	64
13/02/2023 11:40	3.5	178	15	5.2	0	35.3	63
13/02/2023 11:50	3.3	177	17	5.1	0	35.5	62
13/02/2023 12:00	3.8	338	16	5.2	0	35.8	62
13/02/2023 12:10	3.4	3	19	5	0	36.1	59
13/02/2023 12:20	3.3	15	18	5.1	0	35	63
13/02/2023 12:30	3.5	19	11	5.4	0	34.8	64
13/02/2023 12:40	2.9	7	16	4.2	0	34.7	63
13/02/2023 12:50	3.2	11	11	4.6	0	35.2	61
13/02/2023 13:00	2.9	345	14	4.9	0	35.6	59
13/02/2023 13:10	3.6	173	20	5.7	0	35.6	60
13/02/2023 13:20	3.6	23	15	5	0	35.9	58
13/02/2023 13:30	3.5	14	12	5.5	0	35.9	59
13/02/2023 13:40	3.7	13	11	5.6	0	35.9	58
13/02/2023 13:50	3.8	12	15	5.2	0	36.1	58
13/02/2023 14:00	3.5	6	14	5.3	0	36.3	57
13/02/2023 14:10	3.7	184	17	5.2	0	36.4	57
13/02/2023 14:20	3.9	181	19	5.4	0	36.2	58
13/02/2023 14:30	4.3	185	14	6.3	0	36	59
13/02/2023 14:40	5.2	7	11	7.1	0	36	59
13/02/2023 14:50	5	182	14	6.8	0	36.2	57
13/02/2023 15:00	5	3	12	6.7	0	35.8	58
13/02/2023 15:10	5.8	1	12	7.8	0	36.2	56
13/02/2023 15:20	5.8	357	12	8.6	0	35.4	60
13/02/2023 15:30	6.6	180	12	8.8	0	35.2	61
13/02/2023 15:40	6.4	355	11	8.1	0	35.2	60
13/02/2023 15:50	5.4	347	15	7.8	0	35.3	59
13/02/2023 16:00	5	347	14	7	0	35.5	59
13/02/2023 16:10	5.1	4	15	6.9	0	36	55
13/02/2023 16:20	5.4	3	12	7.8	0	35.9	55



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/02/2023 16:30	5.7	349	11	7.5	0	35.5	58
13/02/2023 16:40	4.5	331	13	6.9	0	35.2	59
13/02/2023 16:50	4.2	324	12	5.7	0	35.6	57
13/02/2023 17:00	3.7	343	11	5.6	0	34.7	60
13/02/2023 17:10	4	333	21	5.7	0	33.9	63
13/02/2023 17:20	4.8	330	12	6.1	0	34	64
13/02/2023 17:30	4.3	327	10	6.1	0	34	63
13/02/2023 17:40	4.4	327	9	6.4	0	34	59
13/02/2023 17:50	5	323	8	6.5	0	33.6	62
13/02/2023 18:00	5.2	327	7	6.4	0	33.1	64
13/02/2023 18:10	4.5	327	7	5.7	0	32.6	67
13/02/2023 18:20	3.2	326	12	4.8	0	32.4	67
13/02/2023 18:30	3	347	10	4.2	0	32.7	65
13/02/2023 18:40	3.1	178	16	4.6	0	33.2	59
13/02/2023 18:50	3.1	325	12	4.3	0	33.2	59
13/02/2023 19:00	3.5	328	10	4.4	0	33.4	55
13/02/2023 19:10	3	337	11	4.2	0	32.8	63
13/02/2023 19:20	1.6	347	15	2.6	0	32.8	62
13/02/2023 19:30	1.6	311	34	2.8	0	32.8	62
13/02/2023 19:40	2.9	243	22	4.4	0	33	63
13/02/2023 19:50	2.1	331	14	2.8	0	32.9	65
13/02/2023 20:00	2.1	350	12	3.1	0	32.9	65
13/02/2023 20:10	1.4	310	32	2.9	0	33.1	63
13/02/2023 20:20	2.1	293	12	3.2	0	33	66
13/02/2023 20:30	2.3	288	12	3.2	0	32.7	67
13/02/2023 20:40	2.5	294	16	3.2	0	32.5	67
13/02/2023 20:50	5.6	241	13	9	0	32.9	67
13/02/2023 21:00	4.5	257	8	6.1	0	33	65
13/02/2023 21:10	7	221	13	10.8	0	33.3	55
13/02/2023 21:20	6	199	9	8.4	0	32.7	52
13/02/2023 21:30	4.8	188	11	7	0	32.4	53
13/02/2023 21:40	5	180	11	6.9	0	32.3	54
13/02/2023 21:50	4.9	176	11	7.4	0	32.3	53
13/02/2023 22:00	4.8	178	9	6.3	0	32.2	53
13/02/2023 22:10	4.5	178	10	6.3	0	32.2	52
13/02/2023 22:20	4.1	178	11	5.9	0	32.2	52
13/02/2023 22:30	3.8	180	10	5.4	0	32.3	51
13/02/2023 22:40	3.5	170	17	5.8	0	32.3	50
13/02/2023 22:50	4	169	16	6.1	0	32.3	49
13/02/2023 23:00	3.5	158	19	6	0	32.3	49
13/02/2023 23:10	2.7	150	20	4.8	0	32.2	49
13/02/2023 23:20	2.9	158	17	4.8	0	32.2	48
13/02/2023 23:30	2.5	151	15	4.3	0	32.3	49
13/02/2023 23:40	2.4	139	15	4.1	0	32.2	50
13/02/2023 23:50	2.4	137	16	4.3	0	32.2	50
14/02/2023 00:00	2.6	135	15	4.1	0	32.3	50
14/02/2023 00:10	2.1	131	18	3.4	0	32.3	51
14/02/2023 00:20	1.7	135	21	3.3	0	32.2	52



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/02/2023 00:30	1.7	136	23	3.1	0	32.1	53
14/02/2023 00:40	1.7	140	18	3.1	0	32.1	54
14/02/2023 00:50	1.2	191	24	2.5	0	32.1	53
14/02/2023 01:00	1.7	230	23	2.9	0	32.1	51
14/02/2023 01:10	2.6	259	9	4.1	0	32.1	48
14/02/2023 01:20	2.6	255	8	3.6	0	32.2	49
14/02/2023 01:30	1	219	36	1.8	0	32.2	48
14/02/2023 01:40	1.2	291	34	1.9	0	32.2	48
14/02/2023 01:50	1.8	298	12	2.4	0	32.2	48
14/02/2023 02:00	1	238	20	1.7	0	32.5	46
14/02/2023 02:10	1.7	238	22	2.7	0	32.5	46
14/02/2023 02:20	1.9	260	14	2.8	0	31.8	51
14/02/2023 02:30	0.4	202	60	0.9	0	31.6	52
14/02/2023 02:40	0.7	310	37	1.4	0	31.5	52
14/02/2023 02:50	0.5	170	26	0.8	0	31.5	52
14/02/2023 03:00	0.6	174	11	0.9	0	31.6	51
14/02/2023 03:10	1.6	50	9	2.2	0	31.4	51
14/02/2023 03:20	0.5	177	47	1.1	0	31	53
14/02/2023 03:30	0.4	195	63	0.9	0	31.1	52
14/02/2023 03:40	1.5	110	12	2.5	0	31.1	52
14/02/2023 03:50	2.8	117	8	3.9	0	31.4	55
14/02/2023 04:00	2.2	135	16	3.9	0	31.5	60
14/02/2023 04:10	2.2	131	22	3.8	0	31.6	58
14/02/2023 04:20	2.3	122	22	3.7	0	31.6	59
14/02/2023 04:30	2.5	136	20	4.1	0	31.6	58
14/02/2023 04:40	1.9	123	24	3.5	0	31.5	55
14/02/2023 04:50	3.1	110	13	4.5	0	31.4	56
14/02/2023 05:00	2.8	90	14	4.4	0	31.3	56
14/02/2023 05:10	2.5	95	11	3.7	0	31.2	55
14/02/2023 05:20	3	79	8	4.5	0	31.2	55
14/02/2023 05:30	2.3	85	9	3.2	0	31.2	54
14/02/2023 05:40	1.9	95	15	3.3	0	31.1	55
14/02/2023 05:50	2.2	103	15	3.5	0	31.1	56
14/02/2023 06:00	2.7	107	14	4	0	31.2	55
14/02/2023 06:10	2.7	94	12	4.3	0	31.2	56
14/02/2023 06:20	3.1	85	6	4	0	31.2	56
14/02/2023 06:30	3.6	85	6	4.9	0	31.6	53
14/02/2023 06:40	4	82	6	5.5	0	31.9	52
14/02/2023 06:50	4.2	84	6	6	0	32.1	51
14/02/2023 07:00	4	83	6	5.8	0	32.2	51
14/02/2023 07:10	4	81	6	5.6	0	32.2	53
14/02/2023 07:20	4.4	79	6	5.9	0	32.1	54
14/02/2023 07:30	4.7	81	6	6.3	0	32.3	51
14/02/2023 07:40	4.6	80	6	6.3	0	32.6	51
14/02/2023 07:50	4.6	82	7	6.3	0	32.8	50
14/02/2023 08:00	5	78	8	7	0	32.9	48
14/02/2023 08:10	5.3	79	8	7	0	32.9	49
14/02/2023 08:20	5.9	83	7	7.9	0	33.1	48



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/02/2023 08:30	5.4	78	8	7.6	0	33	50
14/02/2023 08:40	5.8	81	8	7.5	0	33.2	50
14/02/2023 08:50	6.4	78	8	8.4	0	33.1	51
14/02/2023 09:00	7	77	7	9.7	0	33	52
14/02/2023 09:10	6.5	67	8	9.4	0	33.3	53
14/02/2023 09:20	7.3	61	7	9.8	0	33.3	53
14/02/2023 09:30	7.5	61	9	10.3	0	33.6	53
14/02/2023 09:40	7.7	58	7	10.3	0	34.4	50
14/02/2023 09:50	7.9	65	8	10.5	0	34.6	50
14/02/2023 10:00	8.4	62	8	10.9	0	34.7	50
14/02/2023 10:10	8.2	61	8	11.4	0	34.6	49
14/02/2023 10:20	7.4	62	8	10.2	0	34.7	50
14/02/2023 10:30	7.6	63	7	9.6	0	35.1	49
14/02/2023 10:40	7.4	62	8	9.9	0	35.5	47
14/02/2023 10:50	7.4	63	7	9.6	0	35.7	47
14/02/2023 11:00	7.4	65	8	9.7	0	35.6	48
14/02/2023 11:10	7.1	62	9	9.7	0	35.7	46
14/02/2023 11:20	7.4	64	9	9.5	0	36.1	42
14/02/2023 11:30	6.4	62	10	8.3	0	37	42
14/02/2023 11:40	7.1	64	8	9	0	36.4	44
14/02/2023 11:50	6.9	60	8	9.5	0	36.6	43
14/02/2023 12:00	7.3	61	8	9.7	0	36.8	42
14/02/2023 12:10	7	61	8	9.6	0	37	40
14/02/2023 12:20	7.3	66	7	9.3	0	37	39
14/02/2023 12:30	6.5	62	10	8.7	0	37.7	36
14/02/2023 12:40	6.9	64	8	8.8	0	37.6	36
14/02/2023 12:50	6	68	9	7.7	0	37.9	35
14/02/2023 13:00	4.2	81	44	6.7	0	38	39
14/02/2023 13:10	5.3	308	15	7.7	0	35.9	54
14/02/2023 13:20	3.1	314	22	5.7	0	36.8	50
14/02/2023 13:30	5.2	309	10	8	0	36.7	48
14/02/2023 13:40	5.6	309	12	7.8	0	36.5	48
14/02/2023 13:50	4.5	310	12	7.2	0	36.1	47
14/02/2023 14:00	4.9	302	11	6.9	0	36.2	47
14/02/2023 14:10	4.6	303	12	6.3	0	36	48
14/02/2023 14:20	5	321	17	7.4	0	36.1	48
14/02/2023 14:30	4.7	311	16	7.6	0	36.2	48
14/02/2023 14:40	5.6	301	19	7.9	0	36.2	48
14/02/2023 14:50	5.2	304	15	8.2	0	36	48
14/02/2023 15:00	5.6	309	13	7.6	0	35.7	51
14/02/2023 15:10	5.3	312	15	7.5	0	35.9	49
14/02/2023 15:20	5	312	13	7.4	0	35.8	49
14/02/2023 15:30	4.7	304	13	6.8	0	36.2	49
14/02/2023 15:40	4.3	316	14	6.8	0	35.8	49
14/02/2023 15:50	4.5	300	20	7.6	0	35.7	52
14/02/2023 16:00	4	309	16	6.9	0	35.7	49
14/02/2023 16:10	5.6	285	13	9.4	0	35.8	50
14/02/2023 16:20	4.7	307	15	7.5	0	35.7	47





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/02/2023 16:30	4.7	295	12	7	0	35.7	48
14/02/2023 16:40	5.1	294	14	7.7	0	35.7	49
14/02/2023 16:50	5.5	287	9	7.2	0	35.6	49
14/02/2023 17:00	4.8	302	13	6.7	0	35.6	47
14/02/2023 17:10	5.2	286	11	7.3	0	35.9	47
14/02/2023 17:20	5.9	294	10	8	0	35.3	49
14/02/2023 17:30	5.6	288	9	7.6	0	35.1	52
14/02/2023 17:40	6.1	289	7	8.2	0	34.4	57
14/02/2023 17:50	6.1	290	8	7.8	0	34.1	59
14/02/2023 18:00	6	287	8	7.8	0	34.2	59
14/02/2023 18:10	5.6	287	9	7.5	0	33.8	62
14/02/2023 18:20	5.7	280	9	7.4	0	33.6	60
14/02/2023 18:30	5.1	274	9	7.2	0	33.4	63
14/02/2023 18:40	5.7	263	9	7.6	0	32.8	66
14/02/2023 18:50	5.9	262	8	8.2	0	32.3	68
14/02/2023 19:00	5.8	268	7	7.4	0	31.9	68
14/02/2023 19:10	6.1	264	8	7.7	0	31.8	68
14/02/2023 19:20	6	270	8	7.4	0	31.7	68
14/02/2023 19:30	6	268	7	7.8	0	31.7	68
14/02/2023 19:40	6	272	8	8.2	0	31.6	68
14/02/2023 19:50	6.3	271	7	7.8	0	31.7	68
14/02/2023 20:00	5.8	262	8	7.7	0	31.6	68
14/02/2023 20:10	5.7	269	8	7.8	0	31.7	68
14/02/2023 20:20	5.8	262	6	7.5	0	31.5	68
14/02/2023 20:30	5.9	265	6	7.5	0	31.5	68
14/02/2023 20:40	6.2	260	5	8.5	0	31.6	68
14/02/2023 20:50	5.3	255	6	7.3	0	31.5	68
14/02/2023 21:00	4.2	246	12	6.2	0	31.7	67
14/02/2023 21:10	4.1	234	12	6.5	0	32	66
14/02/2023 21:20	4.7	230	12	6.3	0	32.1	66
14/02/2023 21:30	4.8	238	10	6.8	0	32.2	65
14/02/2023 21:40	4.5	244	10	5.9	0	32.3	63
14/02/2023 21:50	4.1	243	10	5.7	0	32.3	61
14/02/2023 22:00	3.8	270	8	4.8	0	32	62
14/02/2023 22:10	3.5	268	6	4.6	0	31.7	63
14/02/2023 22:20	3.3	269	6	4	0	31.7	63
14/02/2023 22:30	3.1	272	8	4	0	31.6	63
14/02/2023 22:40	3.1	264	10	4.2	0	31.8	62
14/02/2023 22:50	3.4	273	6	4.1	0	31.8	62
14/02/2023 23:00	3.9	280	5	4.7	0	31.9	61
14/02/2023 23:10	3.6	283	6	4.5	0	32	61
14/02/2023 23:20	4	275	5	5.2	0	31.9	63
14/02/2023 23:30	4	272	6	5	0	31.9	63
14/02/2023 23:40	4.2	276	6	5.3	0	31.9	64
14/02/2023 23:50	4.2	265	6	5.7	0	31.8	67
15/02/2023 00:00	4.7	266	6	6.6	0	31.7	67
15/02/2023 00:10	4.3	265	7	5.6	0	31.6	67
15/02/2023 00:20	4.3	262	6	5.5	0	31.4	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/02/2023 00:30	3.9	265	5	5.1	0	31.3	63
15/02/2023 00:40	3.8	263	6	4.8	0	31.4	59
15/02/2023 00:50	3.9	266	6	5.1	0	31.3	62
15/02/2023 01:00	3.8	275	7	5.2	0	31.4	65
15/02/2023 01:10	3.9	261	7	4.9	0	31.5	66
15/02/2023 01:20	3.5	267	8	5	0	31.3	66
15/02/2023 01:30	3.4	259	6	4.3	0	31.5	65
15/02/2023 01:40	3.3	257	5	4.5	0	31.2	66
15/02/2023 01:50	3.1	257	4	3.8	0	31.2	67
15/02/2023 02:00	3.5	256	4	4.1	0	31	67
15/02/2023 02:10	4	256	5	5.1	0	31.1	66
15/02/2023 02:20	3.6	265	6	4.8	0	31.1	65
15/02/2023 02:30	3.2	271	5	4.1	0	31	65
15/02/2023 02:40	3.3	266	4	3.8	0	31	65
15/02/2023 02:50	3.2	265	4	3.8	0	30.7	65
15/02/2023 03:00	3.7	262	4	4.7	0	30.6	64
15/02/2023 03:10	3.4	266	4	4.3	0	30.5	62
15/02/2023 03:20	3.5	263	3	4	0	30.5	60
15/02/2023 03:30	3.6	264	3	4.2	0	30.3	60
15/02/2023 03:40	3.1	262	5	3.9	0	30.2	61
15/02/2023 03:50	3.5	258	5	4.4	0	30.3	60
15/02/2023 04:00	3.2	261	4	3.9	0	30.1	61
15/02/2023 04:10	3	263	6	3.7	0	30	60
15/02/2023 04:20	2.8	266	3	3.2	0	30.2	60
15/02/2023 04:30	3	263	5	3.8	0	30.2	60
15/02/2023 04:40	2.4	263	7	3.3	0	29.9	61
15/02/2023 04:50	3.3	257	7	4.4	0	30	63
15/02/2023 05:00	3	265	7	3.8	0	29.9	65
15/02/2023 05:10	2.8	273	5	3.6	0	29.8	67
15/02/2023 05:20	2.8	277	5	3.5	0	29.9	68
15/02/2023 05:30	2.7	268	3	3.2	0	29.9	68
15/02/2023 05:40	2.6	269	5	3.2	0	29.8	69
15/02/2023 05:50	2.2	273	3	2.6	0	29.6	69
15/02/2023 06:00	2.3	271	4	2.9	0	29.6	70
15/02/2023 06:10	2.7	261	4	3.2	0	29.8	70
15/02/2023 06:20	3.1	259	3	3.6	0	29.7	70
15/02/2023 06:30	3.3	259	6	4	0	29.7	70
15/02/2023 06:40	3	257	7	3.7	0	29.6	70
15/02/2023 06:50	3.3	255	9	4.3	0	30	69
15/02/2023 07:00	4	254	8	5.3	0	30.5	68
15/02/2023 07:10	3.8	254	10	5	0	31.1	66
15/02/2023 07:20	3.9	260	7	5.2	0	31.6	61
15/02/2023 07:30	4.4	253	9	6	0	32	59
15/02/2023 07:40	4.4	260	9	5.6	0	31.7	64
15/02/2023 07:50	5	260	7	6.3	0	32.2	67
15/02/2023 08:00	4.8	257	8	6.6	0	32.6	67
15/02/2023 08:10	5.5	268	10	7.5	0	32.6	67
15/02/2023 08:20	5.9	264	9	7.3	0	32.8	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/02/2023 08:30	6.1	266	8	7.6	0	32.9	65
15/02/2023 08:40	5.4	253	12	6.7	0	33.2	64
15/02/2023 08:50	5.3	262	10	6.8	0	33.5	64
15/02/2023 09:00	5	271	10	6.4	0	33.6	64
15/02/2023 09:10	4.4	270	11	6.3	0	33.7	63
15/02/2023 09:20	3.9	272	11	5.5	0	34	63
15/02/2023 09:30	3.7	277	16	5.5	0	34.2	61
15/02/2023 09:40	3.6	283	13	5	0	34.4	59
15/02/2023 09:50	4	287	15	5.7	0	35	56
15/02/2023 10:00	3.7	279	14	5.4	0	35	56
15/02/2023 10:10	3.8	282	15	5.9	0	35	59
15/02/2023 10:20	3.5	287	15	4.9	0	34.7	61
15/02/2023 10:30	2.7	271	31	4.5	0	34.8	60
15/02/2023 10:40	2.2	313	39	3.5	0	35.3	57
15/02/2023 10:50	3.4	321	17	6.1	0	36.3	53
15/02/2023 11:00	3.2	319	20	4.6	0	36.2	52
15/02/2023 11:10	4.7	325	13	6.7	0	36.3	54
15/02/2023 11:20	4.9	328	10	6.3	0	35.5	58
15/02/2023 11:30	5.5	337	13	7.3	0	35.4	61
15/02/2023 11:40	6.1	334	11	9.4	0	34.6	62
15/02/2023 11:50	5.9	329	13	8.2	0	34.4	66
15/02/2023 12:00	5.6	328	11	8.6	0	34.9	64
15/02/2023 12:10	5.7	336	12	7.9	0	34.1	64
15/02/2023 12:20	5.4	330	14	7.6	0	35	63
15/02/2023 12:30	5.8	310	14	8.4	0	35.4	61
15/02/2023 12:40	6.5	292	10	9.2	0	35.6	60
15/02/2023 12:50	6.1	294	10	9	0	35.9	56
15/02/2023 13:00	6.2	292	8	7.8	0	35.7	57
15/02/2023 13:10	6	290	11	8.4	0	36.2	58
15/02/2023 13:20	5.1	306	16	7	0	36.4	58
15/02/2023 13:30	5.6	306	14	7.9	0	35.9	58
15/02/2023 13:40	5.4	299	11	8.3	0	35.9	57
15/02/2023 13:50	6.5	291	9	8.9	0	36	51
15/02/2023 14:00	6.7	296	7	8.6	0	36.6	48
15/02/2023 14:10	6.6	295	10	8.9	0	36.7	47
15/02/2023 14:20	6.6	295	9	8.9	0	37	43
15/02/2023 14:30	6.8	278	14	10.1	0	37.5	43
15/02/2023 14:40	7.1	278	12	10	0	38.2	39
15/02/2023 14:50	8.8	276	7	12.2	0	37.7	37
15/02/2023 15:00	9	277	7	11.8	0	37.8	36
15/02/2023 15:10	9.3	275	8	12	0	37.8	33
15/02/2023 15:20	9.2	275	8	12.5	0	38.2	30
15/02/2023 15:30	9.6	275	7	11.8	0	38	30
15/02/2023 15:40	9.5	274	7	12.5	0	37.9	30
15/02/2023 15:50	8.9	275	8	11.8	0	38.1	30
15/02/2023 16:00	9	272	7	12.2	0	38.2	30
15/02/2023 16:10	9.4	274	8	12.5	0	38.2	29
15/02/2023 16:20	9.8	275	7	12.3	0	37.7	31



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/02/2023 16:30	9.5	275	7	12.8	0	37.7	31
15/02/2023 16:40	9.3	272	8	12.7	0	37.6	31
15/02/2023 16:50	9.4	273	7	12.9	0	37.3	33
15/02/2023 17:00	9.6	274	6	12.5	0	37	32
15/02/2023 17:10	8.8	274	8	12.2	0	37.1	32
15/02/2023 17:20	9	269	7	11.8	0	36.7	34
15/02/2023 17:30	8.3	271	9	11.1	0	36.4	36
15/02/2023 17:40	8.1	269	8	11.1	0	36	40
15/02/2023 17:50	8.1	271	8	11.7	0	35.5	44
15/02/2023 18:00	8.1	271	8	11.1	0	34.9	48
15/02/2023 18:10	7.8	269	8	10.9	0	34.4	52
15/02/2023 18:20	8.5	264	6	11.1	0	33.9	54
15/02/2023 18:30	8.7	264	7	11.8	0	33.5	57
15/02/2023 18:40	8	269	7	12.1	0	33.1	61
15/02/2023 18:50	7.9	269	7	10.3	0	32.8	63
15/02/2023 19:00	7.4	267	7	11	0	32.7	64
15/02/2023 19:10	8.1	266	6	11.3	0	32.7	63
15/02/2023 19:20	8.3	269	7	10.5	0	32.6	64
15/02/2023 19:30	7.7	264	7	10.7	0	32.5	64
15/02/2023 19:40	8.4	263	7	11.4	0	32.4	64
15/02/2023 19:50	7.6	262	7	10.3	0	32.3	63
15/02/2023 20:00	7.9	264	6	10.4	0	32.4	59
15/02/2023 20:10	7.4	260	7	10	0	32.5	56
15/02/2023 20:20	7	263	7	9.9	0	32.5	54
15/02/2023 20:30	7.7	263	5	11	0	32.5	54
15/02/2023 20:40	8.2	263	6	10.6	0	32.5	55
15/02/2023 20:50	6.9	261	7	9.3	0	32.3	56
15/02/2023 21:00	7.2	259	7	9.7	0	32.2	55
15/02/2023 21:10	7.2	262	7	9.7	0	32.2	54
15/02/2023 21:20	6	259	8	8.4	0	32.1	55
15/02/2023 21:30	6.5	262	6	8.4	0	32.1	54
15/02/2023 21:40	6	265	7	7.5	0	32.2	53
15/02/2023 21:50	6.6	261	6	8.5	0	32.3	51
15/02/2023 22:00	5.8	262	6	7.7	0	32.2	52
15/02/2023 22:10	5.6	261	6	7.2	0	32	54
15/02/2023 22:20	6.2	259	6	8.3	0	32	54
15/02/2023 22:30	6.3	257	8	8.6	0	31.8	55
15/02/2023 22:40	7.3	258	6	9.9	0	31.6	57
15/02/2023 22:50	7	259	7	8.8	0	31.4	58
15/02/2023 23:00	7.8	261	4	10	0	31.2	59
15/02/2023 23:10	7.3	261	7	9.9	0	31.1	59
15/02/2023 23:20	8.2	259	7	11.2	0	31.1	59
15/02/2023 23:30	7.3	253	8	9.8	0	31.2	58
15/02/2023 23:40	8	251	8	11.5	0	31.3	58
15/02/2023 23:50	7.5	253	8	10.1	0	31.2	59
16/02/2023 00:00	8	253	8	10.7	0	31.1	60
16/02/2023 00:10	7.1	254	8	9.5	0	31	61
16/02/2023 00:20	7.2	254	8	10.2	0	30.9	61



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/02/2023 00:30	6.7	253	9	8.8	0	30.8	62
16/02/2023 00:40	6.5	255	8	8.8	0	30.8	62
16/02/2023 00:50	6.9	255	8	9.5	0	30.7	62
16/02/2023 01:00	6.4	257	8	8.9	0	30.6	63
16/02/2023 01:10	6.5	257	7	9.1	0	30.5	63
16/02/2023 01:20	6.5	259	6	8.2	0	30.4	63
16/02/2023 01:30	6.1	258	7	8	0	30.2	64
16/02/2023 01:40	5.4	259	8	7.1	0	30.1	64
16/02/2023 01:50	5.8	255	10	8.4	0	30.2	64
16/02/2023 02:00	5.8	258	7	7.8	0	30.1	63
16/02/2023 02:10	5.7	257	7	7.8	0	30	63
16/02/2023 02:20	5.7	259	6	7.5	0	29.9	63
16/02/2023 02:30	5.3	257	7	6.5	0	29.8	63
16/02/2023 02:40	5.2	260	6	6.5	0	29.8	63
16/02/2023 02:50	4.8	259	5	5.9	0	29.7	62
16/02/2023 03:00	4.8	256	9	6.2	0	29.7	62
16/02/2023 03:10	4.9	258	7	6.3	0	29.7	61
16/02/2023 03:20	4.4	260	8	5.9	0	29.7	61
16/02/2023 03:30	4.1	262	7	5.7	0	29.7	60
16/02/2023 03:40	3.9	256	12	5.5	0	29.8	57
16/02/2023 03:50	4	252	12	5.9	0	30.4	53
16/02/2023 04:00	4	250	12	5.5	0	30.6	52
16/02/2023 04:10	4.1	247	11	6.2	0	30.9	50
16/02/2023 04:20	3.8	251	12	6.5	0	30.8	50
16/02/2023 04:30	3.7	256	10	5.1	0	30.4	51
16/02/2023 04:40	3.6	260	8	5.1	0	30.3	51
16/02/2023 04:50	3.4	269	8	4.5	0	29.9	52
16/02/2023 05:00	4	278	6	4.8	0	29.9	51
16/02/2023 05:10	4	281	5	4.9	0	30	51
16/02/2023 05:20	3.4	280	6	4.4	0	29.9	51
16/02/2023 05:30	2.9	274	7	3.9	0	30.1	51
16/02/2023 05:40	3.4	274	6	4.4	0	30.2	52
16/02/2023 05:50	3.7	272	4	4.5	0	30.2	52
16/02/2023 06:00	3.7	274	4	4.4	0	30.1	52
16/02/2023 06:10	3.1	283	7	4.4	0	30.2	53
16/02/2023 06:20	2.5	279	9	3.6	0	30.3	53
16/02/2023 06:30	2.8	272	5	3.5	0	30.3	53
16/02/2023 06:40	3.1	275	4	3.9	0	30.4	52
16/02/2023 06:50	3	278	7	4.1	0	30.8	48
16/02/2023 07:00	1.8	267	16	2.8	0	31.2	45
16/02/2023 07:10	1.8	276	13	2.6	0	31.5	42
16/02/2023 07:20	2.5	269	8	3.5	0	32	40
16/02/2023 07:30	3.5	268	6	4.5	0	32	40
16/02/2023 07:40	3.5	266	6	4.5	0	32.1	39
16/02/2023 07:50	4.1	263	5	5.1	0	32.2	42
16/02/2023 08:00	4	268	5	5	0	32.9	42
16/02/2023 08:10	3.2	272	9	4.6	0	34.2	37
16/02/2023 08:20	1.8	259	44	3.5	0	35.6	33



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/02/2023 08:30	1.6	289	32	2.9	0	36.1	33
16/02/2023 08:40	1.7	305	33	3.2	0	36.2	30
16/02/2023 08:50	2.2	222	25	4	0	36.9	28
16/02/2023 09:00	2.8	242	19	4.7	0	37	29
16/02/2023 09:10	2.5	248	21	3.9	0	37.3	29
16/02/2023 09:20	2.6	231	28	4.4	0	37.2	28
16/02/2023 09:30	2.3	248	18	3.9	0	37.4	29
16/02/2023 09:40	2.2	188	29	3.6	0	37.7	28
16/02/2023 09:50	1.8	149	33	3	0	38.4	23
16/02/2023 10:00	2	134	25	3.6	0	38.8	23
16/02/2023 10:10	2	158	31	3.7	0	39.7	22
16/02/2023 10:20	2	133	25	3.3	0	41.2	20
16/02/2023 10:30	2.5	124	23	4	0	41.8	19
16/02/2023 10:40	2.4	142	37	4.6	0	41.6	18
16/02/2023 10:50	2.2	123	18	3.4	0	40.9	20
16/02/2023 11:00	1.7	137	14	3	0	41.3	18
16/02/2023 11:10	2.2	124	31	3.8	0	41.1	18
16/02/2023 11:20	3.7	257	27	5.9	0	39.1	34
16/02/2023 11:30	4.3	264	9	5.6	0	38.6	35
16/02/2023 11:40	5.1	263	9	6.2	0	38.8	31
16/02/2023 11:50	4.9	279	12	6.2	0	39.1	27
16/02/2023 12:00	5.1	279	8	6.8	0	39.7	25
16/02/2023 12:10	5.3	284	7	6.7	0	39.5	26
16/02/2023 12:20	6.6	279	6	8	0	38.7	32
16/02/2023 12:30	6	279	10	7.8	0	39.5	30
16/02/2023 12:40	6.4	277	7	7.9	0	39.3	30
16/02/2023 12:50	6.9	277	7	8.4	0	38.6	33
16/02/2023 13:00	6.4	276	8	8.1	0	39.4	30
16/02/2023 13:10	7.6	271	7	9.2	0	39.1	30
16/02/2023 13:20	8.2	273	6	10	0	39	29
16/02/2023 13:30	7.9	272	6	9.6	0	38.2	36
16/02/2023 13:40	7.7	271	7	10	0	38.3	36
16/02/2023 13:50	7.6	273	7	9.6	0	39.2	32
16/02/2023 14:00	7.7	276	8	10.4	0	39.2	32
16/02/2023 14:10	7.9	273	7	9.6	0	39.6	30
16/02/2023 14:20	7.6	272	8	9.3	0	39.8	31
16/02/2023 14:30	7.1	270	10	9.2	0	39.7	34
16/02/2023 14:40	7.1	274	10	9.7	0	39.8	32
16/02/2023 14:50	7.7	275	8	10.5	0	39.3	33
16/02/2023 15:00	8.1	271	8	10.8	0	38.8	37
16/02/2023 15:10	7.8	275	9	11	0	38.4	38
16/02/2023 15:20	7.8	276	9	10.7	0	38.1	41
16/02/2023 15:30	8.6	271	8	11.5	0	37	47
16/02/2023 15:40	8.7	273	8	11.8	0	36.8	46
16/02/2023 15:50	8.4	274	8	11.4	0	36.9	46
16/02/2023 16:00	9.2	276	7	11.2	0	36.1	51
16/02/2023 16:10	8.2	275	8	11.1	0	36	52
16/02/2023 16:20	8.3	281	8	11.8	0	35.7	54



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/02/2023 16:30	7.8	293	10	10.8	0	35.4	56
16/02/2023 16:40	7.4	282	11	10.6	0	35.7	56
16/02/2023 16:50	7.2	283	11	10.5	0	35.6	56
16/02/2023 17:00	9.3	275	6	11.8	0	35.5	56
16/02/2023 17:10	9.3	273	8	13	0	35.4	56
16/02/2023 17:20	8.9	271	7	12.7	0	35.3	57
16/02/2023 17:30	8.2	270	8	11.7	0	35.1	59
16/02/2023 17:40	8.3	268	8	11.8	0	34.9	60
16/02/2023 17:50	8.6	264	8	11.4	0	34.5	61
16/02/2023 18:00	9.2	264	7	12.1	0	34.2	62
16/02/2023 18:10	9.2	267	7	13.3	0	33.8	64
16/02/2023 18:20	9.1	263	7	12.2	0	33.4	65
16/02/2023 18:30	7.3	262	7	9.9	0	33.3	66
16/02/2023 18:40	8.7	262	6	12.5	0	33	67
16/02/2023 18:50	8.4	263	8	11.4	0	32.7	68
16/02/2023 19:00	8.9	261	7	12.4	0	32.6	68
16/02/2023 19:10	8	260	6	11.2	0	32.6	68
16/02/2023 19:20	8	263	7	11.2	0	32.6	68
16/02/2023 19:30	7.9	262	7	10.4	0	32.7	67
16/02/2023 19:40	8.2	263	7	11.4	0	32.8	67
16/02/2023 19:50	8.2	262	7	11.4	0	32.9	66
16/02/2023 20:00	8.2	261	6	10.6	0	33.1	64
16/02/2023 20:10	8.3	260	7	10.7	0	33.2	62
16/02/2023 20:20	8.1	260	7	10.8	0	33.2	62
16/02/2023 20:30	7.8	261	6	10	0	33.1	63
16/02/2023 20:40	7.8	259	7	10.7	0	33.1	62
16/02/2023 20:50	7.4	259	6	10.2	0	33	63
16/02/2023 21:00	6.6	258	7	9.6	0	33	62
16/02/2023 21:10	7.4	256	7	9.6	0	33.1	60
16/02/2023 21:20	6.7	255	6	9.4	0	33	60
16/02/2023 21:30	6.2	257	6	7.7	0	32.9	60
16/02/2023 21:40	5.7	257	6	8	0	32.8	60
16/02/2023 21:50	5.7	256	7	7.4	0	32.8	59
16/02/2023 22:00	5	255	6	6.9	0	32.7	59
16/02/2023 22:10	5.5	255	7	7.3	0	32.8	56
16/02/2023 22:20	5.3	254	7	6.6	0	32.9	55
16/02/2023 22:30	4.9	254	6	6.2	0	32.8	54
16/02/2023 22:40	5	254	5	6.2	0	32.8	54
16/02/2023 22:50	4.9	255	6	6.2	0	32.8	53
16/02/2023 23:00	5	255	6	6.4	0	32.7	53
16/02/2023 23:10	4.9	254	6	6.2	0	32.7	52
16/02/2023 23:20	4.7	252	6	6	0	32.9	50
16/02/2023 23:30	4.6	250	8	6.6	0	33.3	47
16/02/2023 23:40	4.6	251	8	6.2	0	33.3	46
16/02/2023 23:50	4.4	251	8	5.9	0	33.2	45
17/02/2023 00:00	4.1	248	7	5.3	0	33.3	43
17/02/2023 00:10	4.5	242	9	6.2	0	33.6	40
17/02/2023 00:20	5.8	232	8	7.8	0	35	33



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/02/2023 00:30	5.9	233	8	8.1	0	35	33
17/02/2023 00:40	6.1	233	8	8.1	0	34.9	32
17/02/2023 00:50	5.7	232	8	7.5	0	34.9	32
17/02/2023 01:00	5.8	232	8	7.7	0	34.8	32
17/02/2023 01:10	5.6	233	7	8	0	34.7	32
17/02/2023 01:20	5.3	231	9	7.5	0	34.7	33
17/02/2023 01:30	5.1	229	9	6.7	0	34.6	35
17/02/2023 01:40	4.7	228	9	7.1	0	34.5	35
17/02/2023 01:50	4.2	224	10	6.2	0	34.4	35
17/02/2023 02:00	4.9	214	10	6.8	0	34.3	34
17/02/2023 02:10	5.1	214	9	7.7	0	34.3	33
17/02/2023 02:20	5.2	215	9	7.3	0	34.3	34
17/02/2023 02:30	5.5	212	8	8	0	34.1	33
17/02/2023 02:40	5.6	214	7	7.1	0	34.1	31
17/02/2023 02:50	5.7	213	8	7.5	0	34.2	32
17/02/2023 03:00	5.7	213	8	7	0	34	31
17/02/2023 03:10	5.7	215	7	7.6	0	34.1	30
17/02/2023 03:20	6	214	7	7.4	0	34.1	30
17/02/2023 03:30	5.9	214	8	7.8	0	34	31
17/02/2023 03:40	4.9	228	11	7.4	0	33.7	33
17/02/2023 03:50	4.9	233	9	6.6	0	33.3	34
17/02/2023 04:00	4.5	226	11	7	0	33.2	34
17/02/2023 04:10	5.4	217	9	8.3	0	33.3	34
17/02/2023 04:20	4.7	212	8	6.3	0	32.9	31
17/02/2023 04:30	4.1	206	9	6.1	0	32.5	32
17/02/2023 04:40	3.9	184	11	5.6	0	32.5	32
17/02/2023 04:50	3.9	184	12	5.8	0	32	33
17/02/2023 05:00	3.5	195	8	4.8	0	31	34
17/02/2023 05:10	3.1	187	11	4.4	0	31.2	31
17/02/2023 05:20	3.4	179	10	5.1	0	31.4	32
17/02/2023 05:30	3.1	173	17	5.7	0	31.4	44
17/02/2023 05:40	2.7	166	19	5	0	31.2	54
17/02/2023 05:50	2.5	160	18	3.9	0	31	61
17/02/2023 06:00	3	170	15	4.9	0	30.8	67
17/02/2023 06:10	2.7	158	21	4.2	0	30.7	69
17/02/2023 06:20	2.7	161	19	4.7	0	30.5	69
17/02/2023 06:30	2.6	156	21	4.1	0	30.6	69
17/02/2023 06:40	2.2	159	19	3.5	0	30.6	69
17/02/2023 06:50	1.9	159	19	3.5	0	30.9	69
17/02/2023 07:00	2.9	173	15	4.2	0	31	69
17/02/2023 07:10	2.5	151	15	4	0	31.4	69
17/02/2023 07:20	2.5	161	21	3.6	0	31.6	69
17/02/2023 07:30	2.4	161	21	3.9	0	31.6	68
17/02/2023 07:40	2.8	154	23	4.2	0	31.9	69
17/02/2023 07:50	2.6	153	18	4.1	0	32	69
17/02/2023 08:00	2.8	156	18	4.5	0	32.2	69
17/02/2023 08:10	2.5	143	23	4.1	0	32.5	69
17/02/2023 08:20	2.8	163	21	4	0	32.6	69





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/02/2023 08:30	3	145	24	4.9	0	32.5	69
17/02/2023 08:40	2.6	155	18	4.4	0	32.6	69
17/02/2023 08:50	2.4	153	26	3.5	0	33.1	68
17/02/2023 09:00	2.8	169	23	4.9	0	33.2	67
17/02/2023 09:10	3.3	169	13	4.9	0	33.4	66
17/02/2023 09:20	2.8	175	20	5.4	0	34.1	63
17/02/2023 09:30	3	167	22	4.7	0	34.7	60
17/02/2023 09:40	3.3	122	13	5	0	35.5	57
17/02/2023 09:50	2.9	132	17	5.3	0	35.8	56
17/02/2023 10:00	2.9	131	14	4.9	0	36.4	52
17/02/2023 10:10	3.1	128	17	4.6	0	36.8	50
17/02/2023 10:20	3	132	19	4.5	0	37.2	48
17/02/2023 10:30	2.8	136	17	4.7	0	37.5	46
17/02/2023 10:40	2.5	142	18	4.6	0	38.1	43
17/02/2023 10:50	2.9	155	18	4.7	0	38.1	40
17/02/2023 11:00	3.1	133	21	4.8	0	38.6	38
17/02/2023 11:10	3	125	18	5.2	0	39.3	36
17/02/2023 11:20	3.2	124	15	4.8	0	39.4	34
17/02/2023 11:30	2.8	143	20	4.8	0	40.2	30
17/02/2023 11:40	3.3	154	22	5.3	0	40.7	29
17/02/2023 11:50	3.2	148	23	5.2	0	40.7	27
17/02/2023 12:00	2.6	130	29	4.6	0	42.1	25
17/02/2023 12:10	3.3	119	19	5.3	0	42.3	22
17/02/2023 12:20	5.2	80	11	7.4	0	40.9	34
17/02/2023 12:30	6.2	56	8	8.1	0	38.7	46
17/02/2023 12:40	6.4	61	10	8.3	0	39.1	46
17/02/2023 12:50	6.3	64	9	8	0	39.3	40
17/02/2023 13:00	5.5	61	9	7.7	0	39.6	36
17/02/2023 13:10	5	62	12	7.1	0	40	34
17/02/2023 13:20	5.2	19	10	6.7	0	39.4	43
17/02/2023 13:30	5.7	178	13	7.7	0	38.8	48
17/02/2023 13:40	6.6	329	9	8.5	0	36.6	59
17/02/2023 13:50	6.1	338	9	8.2	0	36.3	60
17/02/2023 14:00	6.3	333	11	8.8	0	36.1	60
17/02/2023 14:10	6.1	329	11	8.6	0	35.6	61
17/02/2023 14:20	6.9	345	11	9.6	0	35.7	58
17/02/2023 14:30	6.4	347	11	8.6	0	36.4	53
17/02/2023 14:40	7.1	327	9	9.1	0	36.3	48
17/02/2023 14:50	6.8	350	9	9.3	0	36.4	48
17/02/2023 15:00	6.5	351	11	8.7	0	36.9	47
17/02/2023 15:10	6.2	343	13	9	0	37.1	46
17/02/2023 15:20	6.3	347	12	8.6	0	36.2	49
17/02/2023 15:30	6.2	346	10	8.7	0	36	50
17/02/2023 15:40	6	344	11	8.4	0	35.6	50
17/02/2023 15:50	5.7	348	15	8.2	0	35.7	51
17/02/2023 16:00	5.6	328	14	8.4	0	35.6	51
17/02/2023 16:10	5.8	324	11	8.2	0	35.5	49
17/02/2023 16:20	5.9	329	11	8.1	0	35	52



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/02/2023 16:30	6	325	11	8.3	0	34.8	52
17/02/2023 16:40	5.5	313	11	7.7	0	34.9	51
17/02/2023 16:50	5.9	326	9	8.1	0	34.8	51
17/02/2023 17:00	5.6	321	10	8	0	34.8	53
17/02/2023 17:10	5.3	305	13	7.9	0	34.7	54
17/02/2023 17:20	5.7	303	11	7.8	0	34.8	53
17/02/2023 17:30	5.7	311	9	7.6	0	34.9	49
17/02/2023 17:40	5.5	301	7	7.8	0	34.9	49
17/02/2023 17:50	5.7	312	8	7.5	0	35.1	46
17/02/2023 18:00	5.3	308	9	7	0	35.2	47
17/02/2023 18:10	5.3	313	7	7	0	35.3	45
17/02/2023 18:20	4.4	309	9	6.2	0	35	48
17/02/2023 18:30	4.2	296	13	6.6	0	34.7	50
17/02/2023 18:40	4.9	292	10	7	0	34	54
17/02/2023 18:50	5.4	296	6	6.6	0	33.3	60
17/02/2023 19:00	4.9	299	6	6	0	33	62
17/02/2023 19:10	4.5	295	7	5.6	0	32.9	63
17/02/2023 19:20	4.8	294	7	6	0	32.7	64
17/02/2023 19:30	4.9	296	6	6.1	0	32.5	65
17/02/2023 19:40	4.5	291	7	6	0	32.5	64
17/02/2023 19:50	4.7	292	7	6.5	0	32.6	60
17/02/2023 20:00	5.1	295	6	6.9	0	32.6	58
17/02/2023 20:10	4.7	296	7	6.1	0	32.7	57
17/02/2023 20:20	5.4	295	7	7.2	0	32.6	57
17/02/2023 20:30	4.8	294	7	6.6	0	32.4	59
17/02/2023 20:40	4.3	291	6	6	0	32.2	62
17/02/2023 20:50	5.2	282	7	6.8	0	32	63
17/02/2023 21:00	5	285	8	6.7	0	31.8	66
17/02/2023 21:10	4.7	283	8	7	0	31.6	67
17/02/2023 21:20	5	284	9	7.3	0	31.5	65
17/02/2023 21:30	5.1	282	7	7.1	0	31.5	64
17/02/2023 21:40	5	279	8	6.8	0	31.5	65
17/02/2023 21:50	5.6	276	6	7.5	0	31.4	65
17/02/2023 22:00	5	283	7	6.5	0	31.3	65
17/02/2023 22:10	4.6	281	6	6.5	0	31.3	66
17/02/2023 22:20	4.6	279	8	6.1	0	31.2	65
17/02/2023 22:30	3.8	290	9	5.7	0	31.1	66
17/02/2023 22:40	3.7	290	8	4.9	0	31	65
17/02/2023 22:50	3.9	287	7	5	0	31.1	64
17/02/2023 23:00	3.4	295	7	4.5	0	31.2	62
17/02/2023 23:10	3.6	293	9	4.9	0	31.1	62
17/02/2023 23:20	4.6	281	8	6.1	0	31.2	62
17/02/2023 23:30	4.1	292	8	5.8	0	31.4	63
17/02/2023 23:40	3.2	297	11	4.6	0	31.3	64
17/02/2023 23:50	3.1	300	11	4.4	0	31.2	63
18/02/2023 00:00	3.3	310	12	5	0	31.4	63
18/02/2023 00:10	3.9	299	10	5.5	0	31.6	59
18/02/2023 00:20	3.3	295	12	5.4	0	31.3	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/02/2023 00:30	4.2	298	9	5.5	0	31.3	61
18/02/2023 00:40	4.2	298	8	5.6	0	31.3	62
18/02/2023 00:50	4.4	303	7	6.2	0	31.1	64
18/02/2023 01:00	4.6	291	7	5.6	0	31.1	64
18/02/2023 01:10	4.4	283	6	5.7	0	30.7	67
18/02/2023 01:20	4.6	286	6	6.1	0	30.6	68
18/02/2023 01:30	4.9	283	7	6.2	0	30.5	69
18/02/2023 01:40	5.3	281	7	7.3	0	30.4	69
18/02/2023 01:50	4.8	285	8	6.4	0	30.3	69
18/02/2023 02:00	5	285	8	6.5	0	30.2	70
18/02/2023 02:10	4.8	283	7	6.5	0	30.1	70
18/02/2023 02:20	4.6	278	7	6.1	0	29.9	70
18/02/2023 02:30	5	280	5	6.7	0	29.7	70
18/02/2023 02:40	5	277	5	6.5	0	29.7	70
18/02/2023 02:50	5.2	281	7	6.9	0	29.7	70
18/02/2023 03:00	4.5	285	8	6.2	0	29.6	70
18/02/2023 03:10	4.5	283	8	6.1	0	29.6	69
18/02/2023 03:20	3.7	275	7	4.9	0	29.5	68
18/02/2023 03:30	3.7	262	6	5.3	0	29.5	66
18/02/2023 03:40	3.9	258	6	4.8	0	29.4	64
18/02/2023 03:50	3.4	264	6	4.4	0	29.3	62
18/02/2023 04:00	3.7	266	4	4.8	0	29.3	59
18/02/2023 04:10	4.2	268	5	5.3	0	29.3	58
18/02/2023 04:20	4.7	267	5	6.3	0	29.3	56
18/02/2023 04:30	4.6	265	6	6	0	29.3	54
18/02/2023 04:40	3.5	268	4	4.6	0	29.2	53
18/02/2023 04:50	3.3	265	5	4.2	0	29.2	52
18/02/2023 05:00	2.6	263	6	3.5	0	29.1	50
18/02/2023 05:10	2.7	263	5	3.5	0	29.1	49
18/02/2023 05:20	1.4	257	16	2.2	0	29	48
18/02/2023 05:30	0.6	219	31	1.2	0	29	48
18/02/2023 05:40	0.6	202	41	1.2	0	28.9	47
18/02/2023 05:50	0.6	280	12	1.1	0	28.8	46
18/02/2023 06:00	1	268	10	1.3	0	28.8	45
18/02/2023 06:10	0.6	211	25	1.1	0	28.8	44
18/02/2023 06:20	0.7	235	24	1.1	0	28.9	44
18/02/2023 06:30	1.3	285	7	1.6	0	28.8	45
18/02/2023 06:40	1.2	255	19	2.2	0	28.9	45
18/02/2023 06:50	1.6	278	10	2.2	0	29	45
18/02/2023 07:00	1	185	32	1.7	0	29.2	46
18/02/2023 07:10	1.1	79	13	1.8	0	29.3	48
18/02/2023 07:20	1.1	80	14	1.6	0	29.5	49
18/02/2023 07:30	0.9	44	17	1.5	0	29.6	50
18/02/2023 07:40	0.9	36	36	1.6	0	29.7	50
18/02/2023 07:50	0.9	326	39	1.7	0	30	52
18/02/2023 08:00	2	275	14	2.9	0	30	55
18/02/2023 08:10	1.2	281	35	2.5	0	30.1	56
18/02/2023 08:20	1.6	273	13	2.6	0	30.4	58



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/02/2023 08:30	0.9	239	33	1.9	0	31	60
18/02/2023 08:40	2	103	26	3.2	0	31.8	62
18/02/2023 08:50	2.6	105	18	4.2	0	31.4	62
18/02/2023 09:00	2.7	99	17	3.8	0	31.2	60
18/02/2023 09:10	2.6	121	21	4	0	31.3	60
18/02/2023 09:20	2.5	119	18	4.1	0	31.9	61
18/02/2023 09:30	2.9	79	22	4.7	0	32.4	63
18/02/2023 09:40	3.5	81	17	5.6	0	31.9	62
18/02/2023 09:50	2.9	102	18	4.7	0	32.8	63
18/02/2023 10:00	2.3	128	25	3.9	0	32.9	64
18/02/2023 10:10	3.2	176	50	5.3	0	32.5	64
18/02/2023 10:20	3.8	333	15	5.6	0	32.4	64
18/02/2023 10:30	3	315	17	4.8	0	32	63
18/02/2023 10:40	3.2	329	24	4.3	0	32.2	64
18/02/2023 10:50	2.8	12	20	4.2	0	32.5	64
18/02/2023 11:00	3.6	11	17	5.5	0	32.8	64
18/02/2023 11:10	3.3	15	20	5.2	0	32.9	64
18/02/2023 11:20	2.8	190	25	4.6	0	33	64
18/02/2023 11:30	3.7	34	24	6.6	0	33.3	65
18/02/2023 11:40	4.6	53	21	7.4	0	33.5	65
18/02/2023 11:50	4	179	17	6.1	0	33.3	64
18/02/2023 12:00	4.3	7	13	6.1	0	33.8	64
18/02/2023 12:10	4.9	9	15	7.3	0	33.5	64
18/02/2023 12:20	5.4	11	14	7.5	0	33.3	64
18/02/2023 12:30	5.6	7	10	7.3	0	32.8	65
18/02/2023 12:40	5.5	177	13	8	0	32.9	65
18/02/2023 12:50	5.6	180	15	8.2	0	33.2	65
18/02/2023 13:00	5.2	178	15	7.1	0	32.8	65
18/02/2023 13:10	4.5	6	13	6.6	0	33.9	63
18/02/2023 13:20	5.2	14	13	7	0	33.7	63
18/02/2023 13:30	5.7	6	14	8	0	33.2	65
18/02/2023 13:40	5.2	11	11	7.3	0	33.2	64
18/02/2023 13:50	4.9	15	13	6.6	0	33.8	62
18/02/2023 14:00	4.8	4	14	7.2	0	34.3	61
18/02/2023 14:10	4.8	3	13	7.1	0	34.3	61
18/02/2023 14:20	4.8	11	16	7.1	0	33.9	62
18/02/2023 14:30	5.5	354	16	7.4	0	33.6	63
18/02/2023 14:40	5.8	344	12	7.5	0	33.4	64
18/02/2023 14:50	5.5	338	15	7.7	0	33.2	65
18/02/2023 15:00	5.6	345	13	7.8	0	32.7	65
18/02/2023 15:10	5.7	345	11	7.8	0	32.9	65
18/02/2023 15:20	5.3	333	13	7.2	0	33.1	65
18/02/2023 15:30	5	334	12	7	0	32.9	65
18/02/2023 15:40	5.1	340	14	7.4	0	32.6	65
18/02/2023 15:50	5.2	332	13	7.5	0	32.8	65
18/02/2023 16:00	5.7	336	12	7.6	0	32.7	65
18/02/2023 16:10	6.9	338	10	9.1	0	32.4	65
18/02/2023 16:20	7	337	10	9.8	0	32	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/02/2023 16:30	7.1	339	11	9.2	0	31.9	66
18/02/2023 16:40	6.7	340	10	9.4	0	32	66
18/02/2023 16:50	6.2	344	11	9.1	0	31.8	66
18/02/2023 17:00	5.9	348	11	7.8	0	31.7	66
18/02/2023 17:10	5.2	338	14	7.4	0	31.5	66
18/02/2023 17:20	5.1	339	15	7.4	0	31.4	66
18/02/2023 17:30	5.9	334	13	8	0	31.6	66
18/02/2023 17:40	6	336	12	9.2	0	31.3	66
18/02/2023 17:50	6.3	334	11	9.3	0	31.1	65
18/02/2023 18:00	5.9	325	10	8.4	0	30.9	65
18/02/2023 18:10	5.3	325	11	7.4	0	30.7	64
18/02/2023 18:20	5.2	328	12	7.6	0	30.7	64
18/02/2023 18:30	4.7	326	15	7.7	0	30.6	63
18/02/2023 18:40	4.6	325	14	6.9	0	30.4	62
18/02/2023 18:50	4.5	319	15	6.7	0	30.1	60
18/02/2023 19:00	3.3	312	22	5.9	0	30.1	59
18/02/2023 19:10	3.1	335	15	5	0	30	59
18/02/2023 19:20	3.1	326	17	4.4	0	29.9	57
18/02/2023 19:30	3.4	337	13	4.7	0	29.8	57
18/02/2023 19:40	2.6	334	14	3.9	0	29.9	57
18/02/2023 19:50	3	338	11	4.5	0	29.9	55
18/02/2023 20:00	2.4	354	18	4.1	0	29.8	55
18/02/2023 20:10	1.6	14	17	2.6	0	29.8	55
18/02/2023 20:20	2.3	143	37	4.2	0	30	55
18/02/2023 20:30	1.9	69	24	3.2	0	30.3	57
18/02/2023 20:40	1.2	64	24	2.3	0	30.3	58
18/02/2023 20:50	2	82	17	3	0	30.3	59
18/02/2023 21:00	1.8	33	14	2.5	0	30.3	59
18/02/2023 21:10	0.9	173	15	2	0	30.2	59
18/02/2023 21:20	1.9	295	12	2.7	0	30.1	60
18/02/2023 21:30	2.3	317	12	3.4	0	30.3	60
18/02/2023 21:40	2.5	320	14	3.5	0	30.3	59
18/02/2023 21:50	2.9	302	10	4.2	0	30.2	58
18/02/2023 22:00	3.1	291	9	4.2	0	30.1	58
18/02/2023 22:10	3.1	305	11	4.7	0	30.1	59
18/02/2023 22:20	4.2	327	9	5.8	0	30.2	61
18/02/2023 22:30	5.1	337	8	7.4	0	30.2	61
18/02/2023 22:40	5.2	344	8	7.2	0	30.1	60
18/02/2023 22:50	5.1	337	10	7.3	0	30.1	60
18/02/2023 23:00	4.3	324	12	6.2	0	30.1	60
18/02/2023 23:10	4.8	313	11	7	0	30.1	60
18/02/2023 23:20	5.1	309	8	7.4	0	30.1	59
18/02/2023 23:30	4.2	304	11	6.2	0	30	58
18/02/2023 23:40	4.1	297	11	6.3	0	29.9	59
18/02/2023 23:50	3.8	267	7	5.3	0	30	61
19/02/2023 00:00	3.4	274	11	4.4	0	30.1	60
19/02/2023 00:10	2.7	286	12	3.5	0	29.9	59
19/02/2023 00:20	1.9	281	8	2.8	0	29.8	58



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/02/2023 00:30	2.8	307	9	3.6	0	29.7	58
19/02/2023 00:40	2.9	306	11	4.2	0	29.8	58
19/02/2023 00:50	2.8	311	14	4.4	0	29.7	57
19/02/2023 01:00	3.1	280	12	4.1	0	29.7	56
19/02/2023 01:10	3	292	11	3.8	0	29.6	56
19/02/2023 01:20	2.5	302	22	4.1	0	29.6	56
19/02/2023 01:30	2.7	292	14	3.8	0	29.6	56
19/02/2023 01:40	2.6	327	12	3.7	0	29.6	56
19/02/2023 01:50	1.6	283	16	2.8	0	29.6	55
19/02/2023 02:00	1.1	299	9	1.8	0	29.5	55
19/02/2023 02:10	1.4	261	15	1.8	0	29.5	56
19/02/2023 02:20	1.3	292	10	1.8	0	29.5	56
19/02/2023 02:30	0.8	253	14	1.2	0	29.4	55
19/02/2023 02:40	0.7	274	39	1.3	0	29.5	55
19/02/2023 02:50	1.2	331	7	1.6	0	29.5	55
19/02/2023 03:00	0.6	339	13	1.1	0	29.5	55
19/02/2023 03:10	0.8	308	36	1.5	0	29.6	54
19/02/2023 03:20	1.9	187	7	2.6	0	29.6	55
19/02/2023 03:30	0.9	147	42	1.5	0	29.6	56
19/02/2023 03:40	1.7	92	11	2.4	0	29.7	56
19/02/2023 03:50	1.9	117	17	3.5	0	29.8	56
19/02/2023 04:00	2	132	14	3.2	0	29.8	56
19/02/2023 04:10	2.3	129	8	3.5	0	29.7	58
19/02/2023 04:20	2	137	15	3.1	0	29.8	59
19/02/2023 04:30	1.5	129	16	2.3	0	30	60
19/02/2023 04:40	1.6	131	16	2.7	0	29.9	59
19/02/2023 04:50	1	165	25	1.6	0	29.9	58
19/02/2023 05:00	0.5	307	44	0.9	0	29.8	57
19/02/2023 05:10	1	181	11	1.3	0	29.8	56
19/02/2023 05:20	1.4	33	8	2.1	0	29.8	55
19/02/2023 05:30	1	163	50	2	0	29.8	55
19/02/2023 05:40	0.7	174	26	1	0	29.6	57
19/02/2023 05:50	1.6	290	16	2.2	0	29.9	61
19/02/2023 06:00	2.5	287	5	3	0	30	62
19/02/2023 06:10	2.8	291	6	3.6	0	30	62
19/02/2023 06:20	2.7	287	7	3.6	0	30.1	61
19/02/2023 06:30	2.4	282	8	3.5	0	30.1	60
19/02/2023 06:40	2.5	284	11	3.9	0	30.2	59
19/02/2023 06:50	2.9	277	9	3.8	0	30.4	59
19/02/2023 07:00	3.5	294	11	5	0	30.6	60
19/02/2023 07:10	2.5	307	17	4.1	0	30.9	60
19/02/2023 07:20	2.9	285	16	4.2	0	31.2	61
19/02/2023 07:30	3.2	297	14	4.4	0	31.3	61
19/02/2023 07:40	3	309	12	4	0	31.5	60
19/02/2023 07:50	2.5	313	15	3.9	0	31.5	60
19/02/2023 08:00	3.5	338	10	4.4	0	30.9	59
19/02/2023 08:10	2.7	333	18	4.3	0	30.9	57
19/02/2023 08:20	3.4	328	18	4.9	0	31.3	59



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/02/2023 08:30	2.9	338	13	4.6	0	31.6	60
19/02/2023 08:40	2.2	328	28	3.5	0	32	62
19/02/2023 08:50	3.5	20	11	4.7	0	32.1	63
19/02/2023 09:00	4	181	12	5.6	0	31.9	64
19/02/2023 09:10	3.2	178	12	4.4	0	32.3	64
19/02/2023 09:20	3.4	337	19	5	0	32.3	64
19/02/2023 09:30	3.4	321	10	4.7	0	31.9	64
19/02/2023 09:40	3.3	347	13	4.7	0	32	64
19/02/2023 09:50	3.4	332	18	4.9	0	32.1	64
19/02/2023 10:00	3.3	335	20	5.2	0	32.3	65
19/02/2023 10:10	3.2	176	19	4.7	0	32.8	65
19/02/2023 10:20	3.2	22	15	5.2	0	33	65
19/02/2023 10:30	3.6	344	23	6.2	0	33	65
19/02/2023 10:40	4.2	320	10	5.9	0	32.8	66
19/02/2023 10:50	3.9	327	17	5.7	0	32.8	66
19/02/2023 11:00	4.1	323	14	5.7	0	32.7	66
19/02/2023 11:10	3.6	326	10	5.4	0	32.5	66
19/02/2023 11:20	3.2	324	21	5.4	0	32.3	66
19/02/2023 11:30	2.9	327	15	4.8	0	32.5	66
19/02/2023 11:40	2	308	29	3.9	0	32.9	65
19/02/2023 11:50	2.1	314	33	3.9	0	33.5	64
19/02/2023 12:00	2.6	328	30	4.6	0	34.2	63
19/02/2023 12:10	2.6	293	34	4.6	0	34.2	63
19/02/2023 12:20	2.4	273	33	3.8	0	34.4	63
19/02/2023 12:30	2.4	287	31	4.2	0	34.8	61
19/02/2023 12:40	2.8	310	23	4.3	0	35.5	58
19/02/2023 12:50	3	341	20	4.8	0	35.6	57
19/02/2023 13:00	4	326	13	5.8	0	35	59
19/02/2023 13:10	4	328	14	6	0	35.1	59
19/02/2023 13:20	3.6	329	20	5.6	0	35.4	59
19/02/2023 13:30	3.5	312	18	5.5	0	35.6	58
19/02/2023 13:40	4.2	321	20	6.1	0	35.4	58
19/02/2023 13:50	4.9	335	12	6.3	0	34.9	60
19/02/2023 14:00	4.5	323	10	6.6	0	34.6	60
19/02/2023 14:10	4.9	327	11	7.1	0	35	59
19/02/2023 14:20	5.2	331	10	6.7	0	34.8	58
19/02/2023 14:30	5.4	323	14	7.3	0	34.8	59
19/02/2023 14:40	6.1	311	9	8.7	0	34.5	59
19/02/2023 14:50	5.8	310	12	8	0	34.8	58
19/02/2023 15:00	5.6	312	12	7.8	0	34.7	60
19/02/2023 15:10	5.8	298	12	7.9	0	34.6	61
19/02/2023 15:20	5.5	298	10	7.3	0	34	63
19/02/2023 15:30	5.5	309	13	7.2	0	34	63
19/02/2023 15:40	5.9	301	9	7.7	0	33.8	63
19/02/2023 15:50	5.2	304	13	7.5	0	33.4	65
19/02/2023 16:00	5.7	305	11	8.6	0	33.6	64
19/02/2023 16:10	5.5	301	12	7.9	0	33.5	65
19/02/2023 16:20	6.1	298	9	8.6	0	33.3	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/02/2023 16:30	6.4	310	12	9.3	0	32.9	66
19/02/2023 16:40	7	318	12	9.6	0	32.9	66
19/02/2023 16:50	7.3	311	12	10	0	32.5	67
19/02/2023 17:00	7	304	11	10.3	0	32.4	67
19/02/2023 17:10	6.1	296	10	9.1	0	32.6	66
19/02/2023 17:20	6.3	296	11	8.8	0	32.3	67
19/02/2023 17:30	7.1	289	8	9.8	0	32	67
19/02/2023 17:40	7.4	294	7	9.7	0	31.6	67
19/02/2023 17:50	6.7	295	9	9.1	0	31.5	67
19/02/2023 18:00	5.9	307	10	8.6	0	31.7	67
19/02/2023 18:10	5.4	306	11	8.2	0	31.8	67
19/02/2023 18:20	6.4	309	11	8.8	0	31.6	67
19/02/2023 18:30	5.4	305	12	8.4	0	31.4	67
19/02/2023 18:40	5.4	309	12	8.2	0	31.2	67
19/02/2023 18:50	6.1	297	11	8.4	0	30.9	66
19/02/2023 19:00	6.4	299	9	9.3	0	30.7	66
19/02/2023 19:10	6.2	297	8	8.9	0	30.5	66
19/02/2023 19:20	5.8	291	8	8.4	0	30.5	65
19/02/2023 19:30	6.7	280	9	9.2	0	30.4	65
19/02/2023 19:40	7.1	257	14	10.1	0	30.6	66
19/02/2023 19:50	6.7	252	16	9.1	0	30.9	66
19/02/2023 20:00	6.9	263	10	9.2	0	30.8	66
19/02/2023 20:10	6.7	262	10	9.2	0	30.7	66
19/02/2023 20:20	5.7	268	7	8.1	0	30.6	65
19/02/2023 20:30	5.9	270	8	7.7	0	31.1	62
19/02/2023 20:40	7	268	5	9.3	0	31.5	61
19/02/2023 20:50	6	270	7	7.6	0	31.7	58
19/02/2023 21:00	5.6	271	7	8.2	0	31.9	57
19/02/2023 21:10	5.6	263	8	7.6	0	32	56
19/02/2023 21:20	5.2	261	10	6.7	0	32.3	53
19/02/2023 21:30	5.3	263	8	7.3	0	32.4	54
19/02/2023 21:40	5.5	269	8	7.5	0	32.5	55
19/02/2023 21:50	4.6	256	10	6.5	0	32.6	56
19/02/2023 22:00	3.3	157	22	5.2	0	32.8	54
19/02/2023 22:10	2.8	140	14	5	0	33.1	50
19/02/2023 22:20	3.3	139	14	5.7	0	33.2	47
19/02/2023 22:30	4.3	114	11	6.4	0	33	50
19/02/2023 22:40	3.8	91	12	6.1	0	32.9	49
19/02/2023 22:50	3.6	78	9	4.8	0	32.8	48
19/02/2023 23:00	2.3	61	7	3.1	0	32.7	47
19/02/2023 23:10	2	46	5	2.3	0	32.5	47
19/02/2023 23:20	1	184	25	1.7	0	32.4	48
19/02/2023 23:30	1.9	304	16	2.9	0	32.4	47
19/02/2023 23:40	1.9	283	17	3.1	0	32.8	45
19/02/2023 23:50	2.9	269	6	3.4	0	32.4	47
20/02/2023 00:00	3.4	268	7	4	0	32.4	47
20/02/2023 00:10	3.5	259	8	4.4	0	32.3	51
20/02/2023 00:20	3.6	257	7	4.6	0	32.2	54





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/02/2023 00:30	2.6	276	12	3.7	0	32.2	55
20/02/2023 00:40	3	285	13	4.4	0	32.6	53
20/02/2023 00:50	2.5	284	11	3.5	0	32.7	52
20/02/2023 01:00	3.2	273	10	4.8	0	33.2	47
20/02/2023 01:10	3.2	275	10	4.4	0	33.5	45
20/02/2023 01:20	3.2	272	7	4.7	0	33.5	46
20/02/2023 01:30	3.4	278	8	4.7	0	33.4	49
20/02/2023 01:40	2.4	278	16	3.5	0	33.1	51
20/02/2023 01:50	2.1	318	9	3.1	0	33.1	51
20/02/2023 02:00	5	290	10	7.9	0	33.3	54
20/02/2023 02:10	4.8	286	9	7.1	0	32.9	62
20/02/2023 02:20	4.5	282	9	6.1	0	32.2	66
20/02/2023 02:30	4.8	283	8	6.7	0	31.8	67
20/02/2023 02:40	4.9	284	8	6.7	0	31.5	67
20/02/2023 02:50	4.7	288	7	6.2	0	31.4	67
20/02/2023 03:00	4.4	293	7	5.9	0	31.4	66
20/02/2023 03:10	4.1	288	8	5.8	0	31.5	66
20/02/2023 03:20	4	290	7	5.8	0	31.5	66
20/02/2023 03:30	4.7	289	6	6.4	0	31.4	66
20/02/2023 03:40	3.7	284	9	4.9	0	31.5	66
20/02/2023 03:50	3.2	289	8	4.4	0	31.6	67
20/02/2023 04:00	2.9	278	8	3.8	0	31.5	67
20/02/2023 04:10	3.2	269	8	4.1	0	31.3	66
20/02/2023 04:20	3.9	262	6	4.9	0	31.4	66
20/02/2023 04:30	4.2	268	6	5	0	31.5	66
20/02/2023 04:40	4.2	260	5	5.2	0	31.5	66
20/02/2023 04:50	4.3	261	5	5.3	0	31.4	66
20/02/2023 05:00	4.8	262	5	6.2	0	31.3	65
20/02/2023 05:10	4.8	264	6	6.1	0	31.3	61
20/02/2023 05:20	4.3	264	5	5.3	0	31.3	60
20/02/2023 05:30	4.3	268	4	5.4	0	31.3	60
20/02/2023 05:40	4.3	265	5	5.3	0	31.2	60
20/02/2023 05:50	4.7	267	5	5.8	0	31.2	60
20/02/2023 06:00	4.6	261	6	5.9	0	31.4	58
20/02/2023 06:10	4.1	264	5	5.5	0	31.3	57
20/02/2023 06:20	4	268	6	5	0	31.2	57
20/02/2023 06:30	4.3	264	6	5.8	0	31.2	57
20/02/2023 06:40	4.6	264	6	5.7	0	31.5	55
20/02/2023 06:50	5.1	262	6	6.4	0	32	54
20/02/2023 07:00	4.9	263	6	6.4	0	32.4	53
20/02/2023 07:10	4.7	264	6	6.1	0	32.5	52
20/02/2023 07:20	4.7	268	7	6.4	0	32.8	50
20/02/2023 07:30	4.8	264	7	6.3	0	33.2	46
20/02/2023 07:40	5.3	262	7	6.8	0	34.2	43
20/02/2023 07:50	5.5	253	8	7.6	0	34.8	39
20/02/2023 08:00	4.7	242	10	7.3	0	35.7	33
20/02/2023 08:10	4.4	241	11	6.7	0	36.3	29
20/02/2023 08:20	4.5	243	11	6.7	0	36.1	30



# Yara Pilbara Nitrates- Western Boundary 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/02/2023 08:30	3.9	257	11	5.4	0	35.6	38
20/02/2023 08:40	3.7	243	31	5.6	0	35.5	38
20/02/2023 08:50	4.4	237	12	6.5	0	35.8	37
20/02/2023 09:00	4.6	249	13	6.9	0	36.6	37
20/02/2023 09:10	4.5	236	13	6.2	0	36.8	37
20/02/2023 09:20	4.2	232	13	6.5	0	37	36
20/02/2023 09:30	3.5	237	13	5.7	0	37.6	35
20/02/2023 09:40	3.6	247	19	6	0	38.2	35
20/02/2023 09:50	2.8	213	22	4.7	0	38.4	33
20/02/2023 10:00	2.4	231	32	4.3	0	39.1	34
20/02/2023 10:10	2.8	200	27	4.7	0	39.4	33
20/02/2023 10:20	3	150	27	4.9	0	39.3	32
20/02/2023 10:30	2.6	126	30	3.9	0	40.3	28
20/02/2023 10:40	1.6	133	27	3.1	0	40.6	27
20/02/2023 10:50	2.6	269	32	4.9	0	40.3	36
20/02/2023 11:00	3.3	285	17	5.2	0	39	39
20/02/2023 11:10	3.9	298	16	5.5	0	39.2	38
20/02/2023 11:20	3.6	299	14	5.5	0	38.9	39
20/02/2023 11:30	3.7	316	18	5.3	0	38.9	43
20/02/2023 11:40	4	326	18	5.4	0	38.1	51
20/02/2023 11:50	3.3	323	17	4.5	0	37.8	49
20/02/2023 12:00	3.9	291	17	6.1	0	38.4	48
20/02/2023 12:10	2.7	298	27	4.5	0	38.6	48
20/02/2023 12:20	2.6	297	23	4.5	0	38.4	48
20/02/2023 12:30	3.3	349	19	5.6	0	38.5	47
20/02/2023 12:40	3.9	351	17	5.9	0	38.1	48
20/02/2023 12:50	2.7	179	27	5.5	0	38.8	43
20/02/2023 13:00	1.8	100	65	3.6	0	38.8	44
20/02/2023 13:10	2.8	181	44	5.3	0	38.6	45
20/02/2023 13:20	3.2	125	33	5.7	0	39.6	43
20/02/2023 13:30	3.5	84	14	5.4	0	38.7	43
20/02/2023 13:40	3.9	54	13	5.7	0	38.9	40
20/02/2023 13:50	3.7	52	29	6.4	0	39.3	39
20/02/2023 14:00	4.3	14	20	7.6	0	39	44
20/02/2023 14:10	5.3	10	11	7.4	0	37.9	48
20/02/2023 14:20	6.2	6	13	8	0	37.3	49
20/02/2023 14:30	6	347	14	8.5	0	36.9	52
20/02/2023 14:40	6.5	327	12	8.4	0	35.9	55
20/02/2023 14:50	5.9	332	12	7.7	0	36	54
20/02/2023 15:00	6	330	12	8.2	0	36.1	52
20/02/2023 15:10	6.4	331	9	8.6	0	36	51
20/02/2023 15:20	5.8	336	11	8.5	0	36.1	52
20/02/2023 15:30	6.4	322	8	8.9	0	35.9	52
20/02/2023 15:40	6.7	323	8	8.9	0	35.2	56
20/02/2023 15:50	6.7	320	9	9	0	34.9	56
20/02/2023 16:00	7.1	324	8	9.1	0	34.4	62
20/02/2023 16:10	6.2	318	11	8.7	0	34.7	62
20/02/2023 16:20	5.3	299	13	7.7	0	34.8	62



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/02/2023 16:30	6.2	299	13	8.4	0	34.2	64
20/02/2023 16:40	6.6	294	10	9.1	0	33.8	64
20/02/2023 16:50	6.8	293	11	8.8	0	33.6	64
20/02/2023 17:00	7.1	298	8	9.1	0	33.1	65
20/02/2023 17:10	6.8	300	9	9	0	33	65
20/02/2023 17:20	6.4	303	10	8.7	0	33.2	64
20/02/2023 17:30	6.1	309	10	8.3	0	32.8	67
20/02/2023 17:40	6.6	313	10	8.4	0	32.5	67
20/02/2023 17:50	5.9	306	10	8.3	0	32.4	67
20/02/2023 18:00	5.8	312	9	7.8	0	32.3	67
20/02/2023 18:10	5.4	308	8	7.5	0	32.3	67
20/02/2023 18:20	5.7	308	8	7.7	0	32.1	67
20/02/2023 18:30	6.2	310	8	8.3	0	32	67
20/02/2023 18:40	5.8	309	8	8	0	31.8	68
20/02/2023 18:50	5.9	314	9	8.7	0	31.6	67
20/02/2023 19:00	5.7	310	6	7.9	0	31.3	66
20/02/2023 19:10	5.3	305	9	7.4	0	31.2	65
20/02/2023 19:20	5.3	285	8	7.7	0	31.1	64
20/02/2023 19:30	5.4	287	8	7.9	0	30.9	64
20/02/2023 19:40	4.5	289	8	6.2	0	30.8	63
20/02/2023 19:50	4.9	287	8	6.8	0	30.8	64
20/02/2023 20:00	4.2	297	9	6.1	0	30.7	64
20/02/2023 20:10	2.3	302	17	4	0	30.8	64
20/02/2023 20:20	1.7	159	45	2.9	0	30.9	65
20/02/2023 20:30	3.7	78	9	5.8	0	31.1	65
20/02/2023 20:40	4.2	73	8	6.1	0	31.2	65
20/02/2023 20:50	3	53	10	3.9	0	31.2	64
20/02/2023 21:00	1.9	48	12	2.9	0	31.2	63
20/02/2023 21:10	1.5	41	14	2.3	0	31.2	63
20/02/2023 21:20	1.7	94	18	2.6	0	31.2	64
20/02/2023 21:30	2.4	103	16	4.2	0.1	31.5	65
20/02/2023 21:40	3	107	15	4.9	0	31.8	66
20/02/2023 21:50	5.3	77	6	7.3	0	31.7	66
20/02/2023 22:00	4.8	56	12	6.9	0	31.6	66
20/02/2023 22:10	3.2	53	8	4.3	0	31.4	66
20/02/2023 22:20	3	46	10	4.4	0	31.2	66
20/02/2023 22:30	3.5	188	11	5.5	0	31.2	66
20/02/2023 22:40	2.2	11	16	3.7	0	31	66
20/02/2023 22:50	1.4	58	14	2	0	31.1	67
20/02/2023 23:00	1.7	80	15	2.6	0	31.1	67
20/02/2023 23:10	2.3	110	23	3.8	0	31.3	67
20/02/2023 23:20	3.2	111	11	4.9	0	31.6	66
20/02/2023 23:30	2.6	121	14	4	0	31.4	65
20/02/2023 23:40	2.6	116	12	3.6	0	31.3	64
20/02/2023 23:50	2.3	129	18	3.6	0	31.2	62
21/02/2023 00:00	2.3	111	13	3.5	0	31	61
21/02/2023 00:10	3.1	98	13	4.5	0	30.8	62
21/02/2023 00:20	4.8	85	8	6.7	0	31.1	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/02/2023 00:30	4	78	7	5.3	0	31.1	64
21/02/2023 00:40	3.5	70	10	4.6	0	31.1	64
21/02/2023 00:50	3.3	73	8	4.6	0	31	64
21/02/2023 01:00	3.6	70	8	5	0	31	65
21/02/2023 01:10	3.5	69	8	4.8	0	31	64
21/02/2023 01:20	3.2	66	7	4.4	0	30.8	64
21/02/2023 01:30	3.3	61	8	4.4	0	30.7	64
21/02/2023 01:40	3.6	64	6	4.8	0	30.5	63
21/02/2023 01:50	2.2	49	11	3.3	0	30.5	63
21/02/2023 02:00	1.1	180	25	1.7	0	30.4	62
21/02/2023 02:10	2.9	274	9	3.8	0	30.3	62
21/02/2023 02:20	3.1	263	8	4.1	0	30.4	62
21/02/2023 02:30	2.1	178	47	3.6	0	30.4	62
21/02/2023 02:40	2.1	124	12	3	0	30.5	63
21/02/2023 02:50	2.7	121	16	4.5	0	30.3	64
21/02/2023 03:00	2.6	126	17	4	0	30.2	66
21/02/2023 03:10	1.6	127	22	2.8	0	30.2	66
21/02/2023 03:20	3	80	7	4.2	0	30.7	66
21/02/2023 03:30	4.6	71	7	6.1	0	30.5	64
21/02/2023 03:40	5.3	64	7	7.4	0	30.5	64
21/02/2023 03:50	4.4	62	8	6.2	0	30.4	63
21/02/2023 04:00	3.4	62	9	4.8	0	30.3	62
21/02/2023 04:10	2.5	75	12	3.9	0	30.2	61
21/02/2023 04:20	3.1	73	7	4.1	0	30.2	60
21/02/2023 04:30	4.3	79	8	6	0	30.2	60
21/02/2023 04:40	4.5	62	8	5.9	0	30.4	60
21/02/2023 04:50	4.7	73	18	6.7	0	30.3	59
21/02/2023 05:00	3.5	58	15	5.8	0.1	30	55
21/02/2023 05:10	3.1	75	11	4.8	0	29.7	51
21/02/2023 05:20	4.2	79	8	6.2	0	29.6	49
21/02/2023 05:30	5.5	79	7	7	0	29.7	51
21/02/2023 05:40	4.7	76	8	6.8	0	29.7	54
21/02/2023 05:50	3.9	75	8	5.4	0	29.7	56
21/02/2023 06:00	3.8	70	8	5.3	0	29.9	56
21/02/2023 06:10	4.5	69	7	6.2	0	29.9	55
21/02/2023 06:20	3.9	74	7	5.5	0	29.9	54
21/02/2023 06:30	4	72	9	5.8	0	30	54
21/02/2023 06:40	4.6	70	8	6.4	0	30	54
21/02/2023 06:50	4.5	69	9	6.6	0	30.2	54
21/02/2023 07:00	4.5	71	9	6.2	0	30.2	54
21/02/2023 07:10	4.5	74	8	6.4	0	30.3	55
21/02/2023 07:20	4.2	72	8	5.8	0	30.4	56
21/02/2023 07:30	4.5	81	7	6.3	0	30.8	57
21/02/2023 07:40	5	77	7	6.6	0	31.1	59
21/02/2023 07:50	5.3	75	8	6.9	0	31.2	60
21/02/2023 08:00	5.2	76	9	7.4	0	31.3	61
21/02/2023 08:10	4.9	73	8	6.9	0	31.5	62
21/02/2023 08:20	5.4	73	7	6.9	0	31.4	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/02/2023 08:30	5.3	76	9	7.1	0	31.4	63
21/02/2023 08:40	5.1	80	9	6.8	0	31.8	64
21/02/2023 08:50	5	59	9	6.6	0	32.1	64
21/02/2023 09:00	5.6	63	9	7.4	0	31.8	64
21/02/2023 09:10	5.3	64	9	7	0	32.1	64
21/02/2023 09:20	5.8	60	9	7.7	0	32.3	65
21/02/2023 09:30	6.2	63	10	7.9	0	32.2	65
21/02/2023 09:40	5.8	73	11	8.3	0	32.5	65
21/02/2023 09:50	6.4	85	7	8.5	0	32.5	65
21/02/2023 10:00	6.6	82	8	9.6	0	32.4	65
21/02/2023 10:10	6.1	63	10	8.8	0	32.8	65
21/02/2023 10:20	6.3	64	9	8.3	0	32.7	66
21/02/2023 10:30	6.9	74	10	9.9	0	32.6	66
21/02/2023 10:40	6.6	83	8	9.1	0	33	65
21/02/2023 10:50	6.8	84	8	9.3	0	32.8	66
21/02/2023 11:00	7.3	79	10	10	0	32.9	65
21/02/2023 11:10	7.3	82	8	10.6	0	33.2	65
21/02/2023 11:20	8	81	9	10.9	0	33.1	65
21/02/2023 11:30	8.5	75	8	10.6	0	33	65
21/02/2023 11:40	8.2	83	10	10.6	0	33.5	64
21/02/2023 11:50	7.2	83	8	10.2	0	33.7	64
21/02/2023 12:00	7.4	83	8	9.9	0	33.7	64
21/02/2023 12:10	7.3	69	10	9.8	0	33.6	64
21/02/2023 12:20	7.2	64	13	10.4	0	33.7	63
21/02/2023 12:30	6.8	61	10	9.6	0	33.3	64
21/02/2023 12:40	6.8	51	8	10.1	0	33.5	64
21/02/2023 12:50	7	52	9	10.4	0	33.3	64
21/02/2023 13:00	7	55	7	9.4	0	33.6	63
21/02/2023 13:10	7.2	59	8	9.2	0	33.9	61
21/02/2023 13:20	6.8	63	7	9.4	0	34.5	54
21/02/2023 13:30	7.6	59	7	9.3	0	35.1	51
21/02/2023 13:40	7	61	8	9.1	0	34.8	55
21/02/2023 13:50	6.6	63	9	8.3	0	35.1	52
21/02/2023 14:00	6.4	65	8	8.6	0	35.3	51
21/02/2023 14:10	6.3	66	10	8.5	0	35.8	47
21/02/2023 14:20	6.7	67	10	8.8	0	35.5	48
21/02/2023 14:30	5.4	62	13	7.4	0	35.5	51
21/02/2023 14:40	4.7	57	17	6.4	0	35.8	51
21/02/2023 14:50	5.3	32	21	7.7	0	36	55
21/02/2023 15:00	6.2	6	19	8.3	0	35.4	58
21/02/2023 15:10	6.7	186	10	9.4	0	35.2	60
21/02/2023 15:20	8.2	9	9	10.6	0	34.6	62
21/02/2023 15:30	7.7	8	12	10.1	0	34.2	63
21/02/2023 15:40	7.4	5	10	9.7	0	34.4	63
21/02/2023 15:50	8	8	10	10.4	0	33.8	65
21/02/2023 16:00	7.8	180	11	10	0	33.6	66
21/02/2023 16:10	7.4	6	11	10.2	0	33.5	65
21/02/2023 16:20	7.9	6	12	10.5	0	33.4	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/02/2023 16:30	8	186	9	10.4	0	33.3	65
21/02/2023 16:40	8	5	10	11.3	0	33.2	66
21/02/2023 16:50	9	3	9	11.6	0	32.9	66
21/02/2023 17:00	8.6	5	10	11.5	0	32.8	66
21/02/2023 17:10	8.5	7	10	11.5	0	32.7	67
21/02/2023 17:20	8.4	6	9	11.6	0	32.5	67
21/02/2023 17:30	7.6	6	10	10.2	0	32.4	67
21/02/2023 17:40	6.5	11	13	9.9	0	32.4	67
21/02/2023 17:50	7.2	21	8	9.9	0	32.2	67
21/02/2023 18:00	7	24	10	9.3	0	32.1	66
21/02/2023 18:10	6.8	22	12	9.8	0	32.3	65
21/02/2023 18:20	6.6	14	11	9.2	0	32.2	66
21/02/2023 18:30	7.1	6	10	11	0	31.8	67
21/02/2023 18:40	7	8	11	9.5	0	31.6	67
21/02/2023 18:50	7.2	8	9	10.2	0	31.5	67
21/02/2023 19:00	7.6	16	7	10.2	0	31.3	66
21/02/2023 19:10	6.2	11	11	8.5	0	31.2	66
21/02/2023 19:20	5.7	14	9	8	0	31.2	65
21/02/2023 19:30	5.7	20	11	7.9	0	31.1	64
21/02/2023 19:40	6	15	9	8.1	0	31.1	64
21/02/2023 19:50	5.8	21	9	8.1	0	31	64
21/02/2023 20:00	5.5	19	10	7.7	0	31	65
21/02/2023 20:10	6.2	17	9	7.9	0	31	65
21/02/2023 20:20	5.5	19	9	7.8	0	30.9	65
21/02/2023 20:30	3.8	12	12	6.2	0	31	65
21/02/2023 20:40	3.3	349	18	5.2	0	31	65
21/02/2023 20:50	3.2	354	14	4.7	0	30.9	65
21/02/2023 21:00	2.7	340	15	4.1	0	30.9	65
21/02/2023 21:10	2.4	330	20	3.7	0	30.9	65
21/02/2023 21:20	2	341	19	3.5	0	31	65
21/02/2023 21:30	2.9	333	12	4.3	0	30.9	65
21/02/2023 21:40	3.3	313	12	4.8	0	31	65
21/02/2023 21:50	3.9	313	10	5.7	0	30.9	66
21/02/2023 22:00	3.3	307	15	4.7	0	31	66
21/02/2023 22:10	4.3	294	11	5.8	0	31	65
21/02/2023 22:20	4.6	276	9	6.5	0	30.9	64
21/02/2023 22:30	4.4	288	9	6.3	0	30.8	64
21/02/2023 22:40	3.5	301	12	5.3	0	30.8	65
21/02/2023 22:50	4.7	213	46	8.6	0	29.8	66
21/02/2023 23:00	6.2	104	14	10.8	0.1	27.2	66
21/02/2023 23:10	7.5	110	13	11.7	5.9	26	56
21/02/2023 23:20	8.1	109	9	12.5	1.9	24.7	41
21/02/2023 23:30	6.6	111	11	9.7	1.4	24.7	33
21/02/2023 23:40	4	137	14	6.8	0.5	24.1	30
21/02/2023 23:50	2	193	16	3.7	0.1	24.5	27
22/02/2023 00:00	3.2	319	20	4.8	0	24.8	25
22/02/2023 00:10	2.7	350	7	3.7	0	24.8	24
22/02/2023 00:20	1.8	56	15	2.5	0	25.1	23



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/02/2023 00:30	0.8	98	26	1.3	0	25.2	22
22/02/2023 00:40	1.9	195	9	2.7	0	25.3	21
22/02/2023 00:50	2	187	21	3.3	0	25.2	21
22/02/2023 01:00	3.3	59	21	6	0.1	25.5	21
22/02/2023 01:10	2.1	102	18	3.3	0	25.3	22
22/02/2023 01:20	1	161	26	1.8	0.2	25.2	23
22/02/2023 01:30	1.3	129	17	2	0.3	25.3	24
22/02/2023 01:40	1.9	182	5	2.4	0.1	25.3	25
22/02/2023 01:50	2.7	196	7	3.5	0.1	25.3	26
22/02/2023 02:00	3.6	231	10	5.3	0	25.7	26
22/02/2023 02:10	2.7	222	20	4.2	0	25.6	26
22/02/2023 02:20	2.3	212	14	3.9	0	25.4	26
22/02/2023 02:30	1.8	203	19	3	0	25.2	26
22/02/2023 02:40	0.6	233	38	1.1	0	25.2	25
22/02/2023 02:50	1.6	305	11	2.4	0	25.4	25
22/02/2023 03:00	0.6	231	33	1.5	0	25.4	25
22/02/2023 03:10	1.3	88	20	1.9	0	25.6	25
22/02/2023 03:20	1.4	62	20	2.4	0	25.9	26
22/02/2023 03:30	1.8	126	15	2.9	0	25.8	27
22/02/2023 03:40	2.4	111	11	3.4	0	26	29
22/02/2023 03:50	2.6	128	15	3.8	0	26.2	30
22/02/2023 04:00	2.2	137	12	3.5	0	26.2	33
22/02/2023 04:10	1.7	130	10	2.5	0	26.3	36
22/02/2023 04:20	1.8	129	11	2.6	0	26.4	39
22/02/2023 04:30	1.7	128	14	2.5	0	26.5	40
22/02/2023 04:40	1.5	147	15	2.1	0	26.7	42
22/02/2023 04:50	1.9	138	9	2.9	0	26.8	45
22/02/2023 05:00	2.2	147	19	4	0	27	48
22/02/2023 05:10	2.1	138	10	3.3	0	27.1	52
22/02/2023 05:20	1.7	139	13	2.4	0	27.3	54
22/02/2023 05:30	1.6	141	14	2.8	0	27.3	54
22/02/2023 05:40	1.4	150	18	2.4	0	27.4	55
22/02/2023 05:50	1.5	179	12	2.1	0	27.4	54
22/02/2023 06:00	1.7	196	12	2.4	0	27.2	52
22/02/2023 06:10	1.4	195	11	2.2	0	27	49
22/02/2023 06:20	1.5	150	18	2.3	0	27	49
22/02/2023 06:30	1.5	138	14	2.3	0	27.1	51
22/02/2023 06:40	1.8	136	11	2.9	0	27.4	52
22/02/2023 06:50	2	135	11	2.9	0	27.4	52
22/02/2023 07:00	2	131	10	2.9	0	27.6	51
22/02/2023 07:10	2	137	12	3.2	0	28.2	53
22/02/2023 07:20	2.4	133	13	3.9	0	28.6	55
22/02/2023 07:30	2.3	132	17	3.9	0	28.8	55
22/02/2023 07:40	2.5	132	16	4.2	0	28.9	54
22/02/2023 07:50	2.4	132	14	3.7	0	29	55
22/02/2023 08:00	2.5	134	10	3.6	0	28.8	54
22/02/2023 08:10	2.4	128	15	3.9	0	28.7	54
22/02/2023 08:20	2.3	128	19	4.5	0	28.8	54



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/02/2023 08:30	2.8	136	15	4.3	0	29.1	56
22/02/2023 08:40	3.4	118	13	4.8	0	29.3	58
22/02/2023 08:50	3.5	118	11	5.6	0	29.6	60
22/02/2023 09:00	3.6	116	9	5.3	0	29.8	60
22/02/2023 09:10	3.5	112	13	5.3	0	30.2	61
22/02/2023 09:20	3.5	116	14	5.6	0	30.4	62
22/02/2023 09:30	3.5	108	12	5.3	0	30.7	63
22/02/2023 09:40	4.3	106	14	5.9	0	30.8	63
22/02/2023 09:50	4.6	110	15	6.3	0	31	63
22/02/2023 10:00	4.3	88	11	6.5	0	31.6	63
22/02/2023 10:10	5.6	89	10	7.4	0	31.3	64
22/02/2023 10:20	6.2	87	6	8.1	0	31.5	64
22/02/2023 10:30	5.9	90	10	8.9	0	32	63
22/02/2023 10:40	6.8	85	9	10.2	0	32	63
22/02/2023 10:50	6.4	88	9	9	0	32.3	62
22/02/2023 11:00	6.4	85	8	9.5	0	32.6	61
22/02/2023 11:10	6.9	79	9	9	0	32.4	62
22/02/2023 11:20	6.4	85	9	8.7	0	32.4	62
22/02/2023 11:30	6.7	88	8	9.1	0	32.5	62
22/02/2023 11:40	6.3	88	11	8.8	0	32.7	63
22/02/2023 11:50	6.2	78	11	8.9	0	32.9	61
22/02/2023 12:00	6.5	75	9	9.2	0	32.9	61
22/02/2023 12:10	6.9	76	9	9.3	0	32.7	61
22/02/2023 12:20	7.4	72	7	9.7	0	32.4	62
22/02/2023 12:30	7.1	80	8	9.6	0	32.7	62
22/02/2023 12:40	7.2	86	6	9.9	0	32.7	62
22/02/2023 12:50	5.7	71	14	7.9	0	32.6	62
22/02/2023 13:00	5.6	62	12	7.7	0	32.9	61
22/02/2023 13:10	5.6	62	9	8.2	0	32.9	62
22/02/2023 13:20	5.5	61	10	7.8	0	32.7	61
22/02/2023 13:30	5.2	52	11	7.3	0	32.9	61
22/02/2023 13:40	5.1	49	10	6.9	0	33.2	61
22/02/2023 13:50	5.4	52	9	7.2	0	33	61
22/02/2023 14:00	5.7	52	9	8.5	0	33	61
22/02/2023 14:10	5.6	48	9	7.7	0	33.3	60
22/02/2023 14:20	5.7	55	8	7	0	33.4	59
22/02/2023 14:30	5.2	51	7	6.6	0	33.5	59
22/02/2023 14:40	5.2	53	9	7.3	0	33.9	56
22/02/2023 14:50	5.7	56	8	7.4	0	33.8	57
22/02/2023 15:00	6.2	51	9	7.9	0	33.6	58
22/02/2023 15:10	5.4	49	10	8.2	0	33.8	58
22/02/2023 15:20	5.5	51	10	7.3	0	33.6	59
22/02/2023 15:30	5.6	57	9	7.8	0	33.2	61
22/02/2023 15:40	6	55	10	8	0	33.5	61
22/02/2023 15:50	5.4	62	12	7.5	0	32.6	64
22/02/2023 16:00	5.6	58	10	8.1	0	32.6	64
22/02/2023 16:10	6.1	80	12	8	0	32.7	63
22/02/2023 16:20	5.4	78	11	7.4	0	32.6	64





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/02/2023 16:30	5.2	70	13	7	0	32.7	64
22/02/2023 16:40	5	57	10	6.6	0	32.7	64
22/02/2023 16:50	5.4	59	8	7	0	32.2	65
22/02/2023 17:00	5.7	62	10	7.7	0	32.1	65
22/02/2023 17:10	5.1	63	9	6.9	0	32	65
22/02/2023 17:20	5.1	51	10	7.2	0	32	65
22/02/2023 17:30	4.9	53	9	6.9	0	31.9	65
22/02/2023 17:40	5.1	53	9	6.8	0	31.6	64
22/02/2023 17:50	5.1	54	7	6.7	0	31.4	64
22/02/2023 18:00	5.2	57	9	6.8	0	31.2	64
22/02/2023 18:10	4.7	58	9	6.5	0	31.3	64
22/02/2023 18:20	4.8	57	8	6.1	0	31.2	64
22/02/2023 18:30	4.3	62	8	5.6	0	31	64
22/02/2023 18:40	4.2	66	9	5.6	0	30.9	64
22/02/2023 18:50	3.7	71	10	4.9	0	30.9	64
22/02/2023 19:00	3.2	73	9	4.4	0	30.8	64
22/02/2023 19:10	3	71	11	4	0	30.8	64
22/02/2023 19:20	3	74	7	4.1	0	30.7	63
22/02/2023 19:30	3	71	7	3.9	0	30.7	63
22/02/2023 19:40	3	76	7	3.8	0	30.6	63
22/02/2023 19:50	3	73	8	4.1	0	30.6	63
22/02/2023 20:00	2.6	74	6	3.8	0	30.6	63
22/02/2023 20:10	1.8	67	10	2.7	0	30.6	63
22/02/2023 20:20	1.7	58	11	2.6	0	30.6	63
22/02/2023 20:30	1.9	67	8	2.7	0	30.6	63
22/02/2023 20:40	1.8	64	10	2.6	0	30.6	62
22/02/2023 20:50	2.5	74	5	3.3	0	30.6	62
22/02/2023 21:00	2.2	71	8	2.8	0	30.5	62
22/02/2023 21:10	2	75	8	2.5	0	30.5	62
22/02/2023 21:20	2.9	71	6	3.7	0	30.5	62
22/02/2023 21:30	3.1	72	5	3.7	0	30.5	62
22/02/2023 21:40	2.4	66	8	3.2	0	30.4	61
22/02/2023 21:50	1.9	55	12	3	0	30.4	61
22/02/2023 22:00	2	47	11	3	0	30.3	60
22/02/2023 22:10	1.4	54	11	2.1	0	30.3	60
22/02/2023 22:20	1.6	59	6	2	0	30.2	60
22/02/2023 22:30	2.1	62	8	2.6	0	30.2	59
22/02/2023 22:40	2	63	9	2.6	0	30.2	59
22/02/2023 22:50	2.1	54	9	3	0	30.1	58
22/02/2023 23:00	2.2	53	8	2.9	0	30.1	57
22/02/2023 23:10	1.9	45	8	2.5	0	30	57
22/02/2023 23:20	1.9	49	8	2.8	0	30	57
22/02/2023 23:30	1.2	191	16	1.9	0	30	57
22/02/2023 23:40	1.2	104	45	2.2	0	29.8	56
22/02/2023 23:50	1.6	199	10	2.1	0	29.2	54
23/02/2023 00:00	1	245	21	1.6	0	29.2	55
23/02/2023 00:10	1	265	12	1.3	0	29.4	55
23/02/2023 00:20	3.2	195	13	5	0.2	29.2	54



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/02/2023 00:30	3.7	193	16	5.2	0	27.6	55
23/02/2023 00:40	3	168	17	5.3	0.5	27.8	51
23/02/2023 00:50	5.7	126	25	8.9	3.9	26.5	45
23/02/2023 01:00	5.6	113	17	9.5	4.4	25.9	37
23/02/2023 01:10	4.3	139	18	7.5	2.5	25.9	32
23/02/2023 01:20	4	150	23	7.6	1.2	26.1	31
23/02/2023 01:30	4.7	146	30	9.1	1.1	25.8	33
23/02/2023 01:40	3.7	170	19	5.9	1.2	25.4	34
23/02/2023 01:50	3	191	13	5.1	0.4	25.8	34
23/02/2023 02:00	2.8	179	14	3.8	0.3	25.6	33
23/02/2023 02:10	1.7	254	24	2.6	0	25.9	31
23/02/2023 02:20	0.8	236	45	1.1	0	26.2	29
23/02/2023 02:30	0.6	61	61	1.3	0	26.5	28
23/02/2023 02:40	1.2	93	43	2.4	0	26.8	27
23/02/2023 02:50	1.8	137	15	3	0	27	27
23/02/2023 03:00	2.9	163	18	4.5	0	27.3	27
23/02/2023 03:10	4.3	160	17	7.9	0	26.9	29
23/02/2023 03:20	3.7	124	21	6.6	0	26.6	28
23/02/2023 03:30	3.9	147	19	6.9	0	26.1	28
23/02/2023 03:40	3	152	18	5.4	0	25.5	32
23/02/2023 03:50	2.4	177	18	4.6	0	25.9	34
23/02/2023 04:00	2.5	150	18	4.6	0	25.9	36
23/02/2023 04:10	2.4	148	17	3.9	0	25.9	39
23/02/2023 04:20	2.6	157	19	4.4	0	25.7	39
23/02/2023 04:30	2.2	140	18	4.1	0	25.4	38
23/02/2023 04:40	2.2	141	20	4.5	0	25.6	38
23/02/2023 04:50	2.8	145	15	4.2	0	25.9	37
23/02/2023 05:00	1.8	152	19	3.2	0	26	36
23/02/2023 05:10	1.6	156	23	3.6	0	25.6	35
23/02/2023 05:20	2.6	138	16	3.9	0	25.6	34
23/02/2023 05:30	2.1	144	19	3.8	0	25.6	32
23/02/2023 05:40	2	187	18	4	0	25.7	31
23/02/2023 05:50	2.5	171	22	4.4	0	26	30
23/02/2023 06:00	3.7	178	12	5.1	0	25.7	31
23/02/2023 06:10	2.2	153	27	4.4	0	25.7	30
23/02/2023 06:20	3.7	167	21	6.6	0	25.7	30
23/02/2023 06:30	3.7	179	12	6.4	0	25.6	29
23/02/2023 06:40	3.1	183	12	5.4	0	25.5	28
23/02/2023 06:50	3.6	180	11	5.6	0	25.5	27
23/02/2023 07:00	3	183	11	4.6	0	25.7	27
23/02/2023 07:10	3.3	182	10	5.1	0	25.7	27
23/02/2023 07:20	3.6	184	10	5.5	0	26	27
23/02/2023 07:30	2.4	166	21	4.1	0	26.5	28
23/02/2023 07:40	2.5	182	15	4	0	27.1	33
23/02/2023 07:50	2.4	191	11	3.9	0	27.3	35
23/02/2023 08:00	2.9	185	11	4.1	0	27.6	36
23/02/2023 08:10	2.7	184	10	4	0	27.8	38
23/02/2023 08:20	2.9	181	10	4	0	27.9	40



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/02/2023 08:30	2.8	186	13	4.2	0	28.3	42
23/02/2023 08:40	3.6	178	11	5.8	0	28.6	46
23/02/2023 08:50	3.6	179	13	5.6	0	28.7	49
23/02/2023 09:00	3.3	177	12	5.2	0	28.9	50
23/02/2023 09:10	3.6	182	12	5.2	0	28.9	51
23/02/2023 09:20	3.3	183	14	4.7	0	29	50
23/02/2023 09:30	2.7	178	13	3.7	0	29.2	52
23/02/2023 09:40	2.7	176	12	4.2	0	29.3	54
23/02/2023 09:50	2.4	169	20	3.5	0	29.7	56
23/02/2023 10:00	2.8	151	13	4.4	0	30	58
23/02/2023 10:10	2.5	141	18	4	0	30.5	60
23/02/2023 10:20	3.1	134	18	4.8	0	30.8	61
23/02/2023 10:30	2.9	145	13	4.3	0	30.7	61
23/02/2023 10:40	3.4	112	12	5.2	0	31	61
23/02/2023 10:50	2.7	121	18	4.6	0	31.6	62
23/02/2023 11:00	3.1	117	14	5.2	0	31.7	63
23/02/2023 11:10	3	116	19	4.7	0	32.2	64
23/02/2023 11:20	3.2	105	20	5.2	0	31.8	64
23/02/2023 11:30	4.4	75	7	6.1	0	31.3	64
23/02/2023 11:40	4.9	78	10	7.3	0	31.5	64
23/02/2023 11:50	4.9	83	9	6.8	0	31.8	64
23/02/2023 12:00	5.2	85	8	7.1	0	31.6	64
23/02/2023 12:10	5.3	75	8	7	0	31.8	64
23/02/2023 12:20	6	71	9	7.9	0	32	64
23/02/2023 12:30	6.3	71	7	8.4	0	32	64
23/02/2023 12:40	6.7	72	9	9.5	0	31.9	64
23/02/2023 12:50	7.1	78	8	9.4	0	32	64
23/02/2023 13:00	6.5	83	9	9.1	0	32.4	64
23/02/2023 13:10	6.4	77	11	9.2	0	32.4	64
23/02/2023 13:20	5.9	75	14	8.2	0	32.7	64
23/02/2023 13:30	6.5	62	9	9.4	0	32.2	65
23/02/2023 13:40	6	61	12	8.4	0	31.9	64
23/02/2023 13:50	6	61	9	8.6	1.1	32	65
23/02/2023 14:00	6.1	58	9	8.1	0	32.1	65
23/02/2023 14:10	5.7	59	11	7.5	0	32.1	65
23/02/2023 14:20	5.8	60	11	8	0	32	65
23/02/2023 14:30	6	65	11	8.8	0	32.4	64
23/02/2023 14:40	6.9	59	8	9.5	0	32.4	64
23/02/2023 14:50	6.6	61	8	8.9	0	32.3	65
23/02/2023 15:00	6.5	63	12	8.7	0	32.4	65
23/02/2023 15:10	6.2	56	11	8.5	0	32.2	65
23/02/2023 15:20	6.9	61	9	9.4	0	32.1	64
23/02/2023 15:30	6.6	62	10	8.9	0	32.3	64
23/02/2023 15:40	6.3	54	10	9.1	0	32.6	63
23/02/2023 15:50	7.7	54	6	10.1	0	32	64
23/02/2023 16:00	7.5	57	7	9.9	0	31.8	65
23/02/2023 16:10	7.6	56	8	10.1	0.1	31.7	65
23/02/2023 16:20	7	58	8	9.4	0	31.8	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/02/2023 16:30	6.9	56	7	9.2	0	31.4	66
23/02/2023 16:40	6.2	59	9	8.4	0	31.5	65
23/02/2023 16:50	5.9	50	10	8	0	31.6	65
23/02/2023 17:00	6.6	61	7	8.6	0	31.4	66
23/02/2023 17:10	6.2	57	9	8.2	0	31.3	66
23/02/2023 17:20	5.6	62	8	7.6	0	31.2	65
23/02/2023 17:30	5.5	65	8	7.4	0	31.3	65
23/02/2023 17:40	5.4	60	7	7.5	0	31.1	66
23/02/2023 17:50	5.4	61	9	7.9	0	30.9	66
23/02/2023 18:00	5.7	59	9	7.9	0	30.9	66
23/02/2023 18:10	5.3	60	8	7.3	0	30.9	66
23/02/2023 18:20	5	56	9	7.3	0	30.9	66
23/02/2023 18:30	4.6	61	8	6.6	0	30.8	66
23/02/2023 18:40	3.8	38	10	5.2	0	30.7	66
23/02/2023 18:50	3.8	33	9	4.7	0	30.5	66
23/02/2023 19:00	4	27	10	5.4	0	30.4	66
23/02/2023 19:10	4	38	8	5.4	0	30.3	66
23/02/2023 19:20	3.4	34	10	4.8	0	30.3	66
23/02/2023 19:30	3.5	34	12	4.7	0	30.2	66
23/02/2023 19:40	3.1	37	12	4.9	0	30.2	66
23/02/2023 19:50	3.2	38	9	4.6	0	30.2	65
23/02/2023 20:00	3.6	32	8	4.5	0	30.1	65
23/02/2023 20:10	3.2	26	10	4.8	0	30.1	65
23/02/2023 20:20	3.3	24	10	4.7	0	30.1	63
23/02/2023 20:30	3.1	24	11	4.2	0	30	62
23/02/2023 20:40	2.9	29	9	4.2	0	29.9	61
23/02/2023 20:50	2.8	26	9	4	0	29.8	61
23/02/2023 21:00	2.2	21	9	3	0	29.7	60
23/02/2023 21:10	2.3	15	10	3.7	0	29.7	59
23/02/2023 21:20	1.9	18	10	2.7	0	29.7	60
23/02/2023 21:30	2.4	14	9	3.4	0	29.7	59
23/02/2023 21:40	2.2	29	11	3.3	0	29.7	58
23/02/2023 21:50	2.3	27	10	3.3	0	29.7	57
23/02/2023 22:00	1.6	19	9	2.2	0	29.6	56
23/02/2023 22:10	1.5	30	8	1.9	0	29.6	55
23/02/2023 22:20	1.7	30	10	2.4	0	29.6	55
23/02/2023 22:30	1.2	52	10	1.8	0	29.6	54
23/02/2023 22:40	0.8	38	13	1.3	0	29.5	53
23/02/2023 22:50	0.7	68	21	1.5	0	29.4	53
23/02/2023 23:00	1.7	74	7	2.2	0	29.5	53
23/02/2023 23:10	1.3	76	8	1.8	0	29.5	53
23/02/2023 23:20	1.3	77	7	1.7	0	29.4	52
23/02/2023 23:30	1.6	72	6	1.9	0	29.4	52
23/02/2023 23:40	1.4	58	7	1.7	0	29.4	53
23/02/2023 23:50	1.5	50	3	1.7	0	29.2	51
24/02/2023 00:00	1.3	51	6	1.5	0	29.2	50
24/02/2023 00:10	1.6	77	4	1.9	0	29.2	49
24/02/2023 00:20	1.3	85	5	1.5	0	29.2	49



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/02/2023 00:30	1.3	83	6	1.6	0	29.2	49
24/02/2023 00:40	1.4	92	10	1.9	0	29.2	49
24/02/2023 00:50	1.2	90	10	1.9	0	29.3	49
24/02/2023 01:00	0.9	80	16	1.6	0	29.1	48
24/02/2023 01:10	1	124	22	1.6	0	29	48
24/02/2023 01:20	1.6	122	13	2.5	0	29.2	51
24/02/2023 01:30	1.2	160	19	2.3	0	29.3	52
24/02/2023 01:40	1.9	186	9	2.6	0	29.3	52
24/02/2023 01:50	2.6	193	9	3.6	0	29.2	49
24/02/2023 02:00	2.7	184	10	3.5	0	29.1	46
24/02/2023 02:10	2.7	181	9	3.7	0	29.1	44
24/02/2023 02:20	2.8	176	12	4.1	0	29.1	45
24/02/2023 02:30	1.7	156	17	2.7	0	29.2	46
24/02/2023 02:40	1.6	154	19	2.7	0	29.3	46
24/02/2023 02:50	2.3	173	18	3.8	0	29.2	44
24/02/2023 03:00	3.1	183	10	4.3	0	28.8	42
24/02/2023 03:10	3	180	11	4.5	0	28.7	40
24/02/2023 03:20	2.9	181	9	3.7	0	28.8	39
24/02/2023 03:30	2.2	169	14	3.4	0	28.6	39
24/02/2023 03:40	2	141	12	2.9	0	28.8	40
24/02/2023 03:50	2.2	176	15	4.1	0	28.8	42
24/02/2023 04:00	2.6	180	12	3.7	0	28.6	43
24/02/2023 04:10	1.7	151	18	2.9	0	28.8	44
24/02/2023 04:20	2.4	137	8	3.7	0	29	46
24/02/2023 04:30	2.9	142	13	4.8	0	29.1	48
24/02/2023 04:40	2.9	143	15	4.5	0	29	51
24/02/2023 04:50	2.3	141	14	3.5	0	29.1	54
24/02/2023 05:00	2.7	143	12	4.3	0	29	56
24/02/2023 05:10	2.9	143	16	4.5	0	29	61
24/02/2023 05:20	2.8	142	14	4.9	0	29	63
24/02/2023 05:30	2.6	142	14	4.6	0	28.9	63
24/02/2023 05:40	3	140	11	4.7	0	28.8	64
24/02/2023 05:50	3.2	142	13	5.4	0	28.8	64
24/02/2023 06:00	3.6	139	17	6.1	0	28.7	64
24/02/2023 06:10	3.3	131	18	5.9	0	28.7	64
24/02/2023 06:20	4.6	115	16	9.3	0	28.6	63
24/02/2023 06:30	4.2	120	18	8.5	0	28.4	63
24/02/2023 06:40	4.5	113	16	7.6	0	28.4	63
24/02/2023 06:50	6.8	109	10	9.9	0	28.3	63
24/02/2023 07:00	6.8	111	10	10.7	0	28.4	63
24/02/2023 07:10	7.4	111	10	10.5	0.1	28.5	64
24/02/2023 07:20	6.2	105	10	9.2	0	28.6	65
24/02/2023 07:30	5.8	94	12	9.3	0	28.4	65
24/02/2023 07:40	6.8	89	8	9.8	0	28.5	65
24/02/2023 07:50	6.9	98	10	9.8	0	28.9	65
24/02/2023 08:00	5.9	105	12	8.9	0	28.9	65
24/02/2023 08:10	6.4	111	11	9.8	0	28.4	65
24/02/2023 08:20	6.9	110	9	9.9	0	28.2	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/02/2023 08:30	7.1	109	10	9.6	0	28.2	65
24/02/2023 08:40	7.1	110	10	10	0	28.2	65
24/02/2023 08:50	7.2	108	10	11.2	0	28.4	65
24/02/2023 09:00	7	110	11	10.1	0	28.5	66
24/02/2023 09:10	6	107	11	9.7	0	28.8	66
24/02/2023 09:20	6.6	111	10	9.3	0	28.9	66
24/02/2023 09:30	5.5	110	12	8.7	0	29	67
24/02/2023 09:40	5	106	11	7.5	0	29.4	67
24/02/2023 09:50	5	108	14	7.7	0	29.6	67
24/02/2023 10:00	4.9	108	14	7.4	0	29.9	66
24/02/2023 10:10	5.1	104	12	7.3	0	30.3	66
24/02/2023 10:20	5.2	104	13	7.8	0	30.7	66
24/02/2023 10:30	5.9	110	11	8.9	0	30.9	66
24/02/2023 10:40	6.3	108	11	8.9	0	31.2	64
24/02/2023 10:50	5.7	109	11	8.7	0	31.5	63
24/02/2023 11:00	5.3	102	13	7.7	0	32	63
24/02/2023 11:10	5.7	104	13	8.8	0	32.3	62
24/02/2023 11:20	5.9	106	13	8.6	0	32.7	61
24/02/2023 11:30	5.7	108	14	7.8	0	33.2	59
24/02/2023 11:40	6.2	103	12	9.2	0	33.5	58
24/02/2023 11:50	5.8	104	13	8.2	0	33.6	57
24/02/2023 12:00	6.3	91	12	8.5	0	33.7	58
24/02/2023 12:10	6	74	9	8.2	0	33.2	60
24/02/2023 12:20	6.8	74	8	8.8	0	33	61
24/02/2023 12:30	6.4	74	11	8.8	0	33	62
24/02/2023 12:40	6.4	59	8	8.6	0	32.9	63
24/02/2023 12:50	7.3	59	7	9.5	0	32.8	63
24/02/2023 13:00	7.7	65	10	10.2	0	32.6	63
24/02/2023 13:10	8.1	65	7	10.4	0	32.7	63
24/02/2023 13:20	7.7	63	10	10.6	0	32.8	62
24/02/2023 13:30	7.1	60	10	9.5	0	33.1	62
24/02/2023 13:40	7	60	10	10.1	0	33.2	62
24/02/2023 13:50	7.4	61	9	9.7	0	33	63
24/02/2023 14:00	7.5	59	9	9.5	0	33.1	63
24/02/2023 14:10	8.1	60	7	10.2	0	33.2	62
24/02/2023 14:20	7.4	62	8	9.8	0	33.2	61
24/02/2023 14:30	6.4	63	10	8.8	0	33.2	61
24/02/2023 14:40	6.7	59	8	8.4	0	33.1	62
24/02/2023 14:50	6.2	57	8	8.5	0	32.9	63
24/02/2023 15:00	6	56	8	8.1	0	32.6	64
24/02/2023 15:10	6	56	11	8.3	0	32.7	64
24/02/2023 15:20	6.8	52	8	8.5	0	32.5	65
24/02/2023 15:30	6.5	61	8	9	0	32.5	65
24/02/2023 15:40	7.1	59	8	9.7	0	32.9	62
24/02/2023 15:50	6.7	60	7	8.7	0	33.5	59
24/02/2023 16:00	6.4	62	9	8.2	0	34.2	57
24/02/2023 16:10	6.4	61	8	8.5	0	34.6	56
24/02/2023 16:20	6.8	64	6	8.7	0	34.6	57



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/02/2023 16:30	7.2	59	6	8.7	0	33.9	59
24/02/2023 16:40	6.6	61	10	9	0	33.9	60
24/02/2023 16:50	6.6	62	8	8.7	0	34.1	60
24/02/2023 17:00	6.3	67	7	8.3	0	33.6	62
24/02/2023 17:10	6.1	66	7	8.2	0	33.6	60
24/02/2023 17:20	5.7	62	8	7.8	0	33.3	60
24/02/2023 17:30	5.2	63	8	7.2	0	33.1	62
24/02/2023 17:40	5	52	11	7.1	0	33	61
24/02/2023 17:50	5.7	33	8	7.8	0	32.6	64
24/02/2023 18:00	5.5	34	11	7.8	0	32.5	66
24/02/2023 18:10	6	33	9	8.5	0	32.1	67
24/02/2023 18:20	5.8	32	9	8.4	0	31.7	67
24/02/2023 18:30	5.4	40	10	7.9	0	31.5	67
24/02/2023 18:40	4.9	26	12	7.4	0	31.4	68
24/02/2023 18:50	4.9	14	11	6.9	0	31.2	68
24/02/2023 19:00	4.4	22	11	6.1	0	31	67
24/02/2023 19:10	4.7	29	9	6.5	0	30.9	67
24/02/2023 19:20	4.6	27	10	5.9	0	30.8	67
24/02/2023 19:30	4.2	24	9	5.7	0	30.6	66
24/02/2023 19:40	4.2	23	11	5.9	0	30.6	66
24/02/2023 19:50	3.7	23	10	4.9	0	30.5	66
24/02/2023 20:00	3.7	22	9	4.6	0	30.4	65
24/02/2023 20:10	3.2	13	10	4.2	0	30.3	65
24/02/2023 20:20	2.2	175	14	3.7	0	30.4	65
24/02/2023 20:30	2.3	332	11	3.5	0	30.4	64
24/02/2023 20:40	2.8	318	9	3.9	0	30.3	64
24/02/2023 20:50	2.1	303	16	3.3	0	30.4	64
24/02/2023 21:00	1.8	317	11	2.9	0	30.4	64
24/02/2023 21:10	2.5	323	10	3.5	0	30.4	64
24/02/2023 21:20	2.5	324	9	3.3	0	30.4	65
24/02/2023 21:30	2.5	299	12	3.5	0	30.4	65
24/02/2023 21:40	2.5	281	10	3.5	0	30.3	64
24/02/2023 21:50	2.5	284	7	3.2	0	30.3	63
24/02/2023 22:00	1.6	252	20	3	0	30.3	62
24/02/2023 22:10	3.8	168	11	7	0	30.4	62
24/02/2023 22:20	7	148	15	11.6	0.2	27.2	65
24/02/2023 22:30	5.5	144	19	11.3	0.8	25.6	49
24/02/2023 22:40	6.1	130	14	11.4	1.9	26.4	33
24/02/2023 22:50	3.1	166	18	5.9	0.4	26.1	28
24/02/2023 23:00	2.1	188	13	3.3	0.1	25.3	27
24/02/2023 23:10	1.2	180	32	2	0.1	25.5	26
24/02/2023 23:20	1.1	199	49	3.2	0	25.5	25
24/02/2023 23:30	1	237	26	1.5	0	25.3	25
24/02/2023 23:40	1.7	112	22	2.2	0	25.6	25
24/02/2023 23:50	2	90	23	3.2	0	25.8	26
25/02/2023 00:00	1.9	117	18	3.2	0.1	25.7	27
25/02/2023 00:10	1.7	114	38	3.5	0	26.2	27
25/02/2023 00:20	3	143	12	4.9	0.1	26.5	28



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/02/2023 00:30	2.6	154	21	4.7	0	26.2	29
25/02/2023 00:40	1.8	153	32	3.4	0.1	25.9	29
25/02/2023 00:50	1.4	163	34	3	0	26	28
25/02/2023 01:00	1.7	203	19	3	0.1	25.9	27
25/02/2023 01:10	1.3	173	34	2.7	0.3	25.7	26
25/02/2023 01:20	0.9	172	46	2.4	0	25.6	26
25/02/2023 01:30	1.9	171	36	4	0	25.7	25
25/02/2023 01:40	3.1	195	14	5.2	0	25.7	25
25/02/2023 01:50	3.2	187	14	5.5	0	25.7	25
25/02/2023 02:00	3.9	191	9	6.9	0.1	25.7	26
25/02/2023 02:10	4.6	191	10	7	0	25.8	26
25/02/2023 02:20	3.8	191	11	6	0	25.9	25
25/02/2023 02:30	3.5	189	11	6.2	0	26	25
25/02/2023 02:40	3.8	177	11	6	0	26.1	24
25/02/2023 02:50	4	130	12	7.1	1.2	26.4	23
25/02/2023 03:00	4.5	114	13	7.2	4.1	26.2	22
25/02/2023 03:10	5.4	106	11	8.1	1.2	25.9	21
25/02/2023 03:20	4.6	89	9	6.2	0.5	25.3	20
25/02/2023 03:30	3.5	83	6	4.9	0.4	25.3	20
25/02/2023 03:40	5.2	86	5	7	0.1	25.4	19
25/02/2023 03:50	5.1	90	6	6.6	0.3	25.5	18
25/02/2023 04:00	3.9	103	13	6.1	0.5	25.7	17
25/02/2023 04:10	4.5	84	7	6.2	0.3	25.7	17
25/02/2023 04:20	3.7	81	5	4.6	0.2	25.8	17
25/02/2023 04:30	4.3	81	6	6	0.4	25.9	16
25/02/2023 04:40	4.8	82	6	7	0.4	25.8	16
25/02/2023 04:50	4.8	88	8	6.3	0.5	25.7	15
25/02/2023 05:00	4.8	84	6	6.4	0.4	26	15
25/02/2023 05:10	3.5	82	7	4.9	0.2	26.4	14
25/02/2023 05:20	3.6	80	5	4.9	0.2	26.1	14
25/02/2023 05:30	2.8	75	6	3.4	0.1	26	14
25/02/2023 05:40	1.9	95	13	3	0.1	26.2	13
25/02/2023 05:50	1.4	99	16	2.5	0	26.2	13
25/02/2023 06:00	1.7	117	15	2.7	0	26.1	13
25/02/2023 06:10	1.7	133	16	2.7	0	26.2	13
25/02/2023 06:20	2.1	155	16	3.7	0	26.5	12
25/02/2023 06:30	3.1	177	10	4.4	0	26.4	12
25/02/2023 06:40	2.3	169	16	3.3	0	26.3	13
25/02/2023 06:50	2	151	17	3.3	0	26.3	13
25/02/2023 07:00	2	180	10	3	0	26.2	13
25/02/2023 07:10	2.1	182	7	2.8	0	26.1	13
25/02/2023 07:20	1.9	185	7	2.5	0	26.2	13
25/02/2023 07:30	1.7	183	12	2.7	0	26.3	13
25/02/2023 07:40	1.3	175	19	2.6	0	26.3	13
25/02/2023 07:50	2.4	179	12	4	0	26.6	13
25/02/2023 08:00	3.2	181	7	4.1	0	26.7	14
25/02/2023 08:10	3	178	10	4.2	0	27	17
25/02/2023 08:20	2.9	178	12	5	0	27.5	19





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/02/2023 08:30	4.6	179	10	6.6	0	27.4	20
25/02/2023 08:40	3.9	182	10	5.6	0	27.7	21
25/02/2023 08:50	3.8	175	11	5.8	0	28.1	24
25/02/2023 09:00	4.1	178	12	6.3	0	28.6	30
25/02/2023 09:10	3.4	166	19	5.9	0	29.3	38
25/02/2023 09:20	2.8	146	16	4.4	0	30	47
25/02/2023 09:30	3.1	134	21	6.1	0	30.7	53
25/02/2023 09:40	3.2	137	18	4.9	0	30.9	56
25/02/2023 09:50	3.4	137	17	5.9	0	31.2	57
25/02/2023 10:00	4	124	18	6.7	0	31.5	58
25/02/2023 10:10	4.9	113	11	7.7	0	31.7	59
25/02/2023 10:20	5.1	110	12	7.5	0	32	59
25/02/2023 10:30	6.1	110	11	8.6	0	32.5	60
25/02/2023 10:40	5.8	99	13	8.5	0	32.9	60
25/02/2023 10:50	5.5	100	13	8.5	0	33.3	59
25/02/2023 11:00	5.7	92	9	8.3	0	33.7	58
25/02/2023 11:10	5.9	92	9	8	0	33.3	59
25/02/2023 11:20	6.3	88	7	8.7	0	33.3	59
25/02/2023 11:30	6.5	91	10	8.9	0	33.2	59
25/02/2023 11:40	6.1	90	8	8.3	0	33.7	58
25/02/2023 11:50	6.4	84	9	8.7	0	33.6	58
25/02/2023 12:00	6	84	8	8.4	0	33.6	59
25/02/2023 12:10	5.6	84	9	8.1	0	33.6	59
25/02/2023 12:20	5.1	72	12	7.3	0	33.7	59
25/02/2023 12:30	5.8	73	9	7.8	0	33.4	59
25/02/2023 12:40	5.8	87	8	8	0	33.4	60
25/02/2023 12:50	5.9	75	9	7.7	0	33.1	60
25/02/2023 13:00	5.8	72	8	8.1	0	33.2	59
25/02/2023 13:10	4.9	81	11	6.8	0	33.8	59
25/02/2023 13:20	4.5	59	11	6.4	0	33.5	60
25/02/2023 13:30	4.5	64	13	6.3	0	33.3	59
25/02/2023 13:40	4.3	53	10	6.2	0	33.6	57
25/02/2023 13:50	4.7	60	9	6.5	0	33.7	57
25/02/2023 14:00	5.3	59	10	6.9	0	33.6	55
25/02/2023 14:10	5.4	60	9	7.6	0	34	53
25/02/2023 14:20	5.9	61	9	9	0	34.1	53
25/02/2023 14:30	6.5	63	9	10	0	33.8	54
25/02/2023 14:40	6.7	66	9	10.5	0	33.8	54
25/02/2023 14:50	6.5	61	10	9.7	0	34	54
25/02/2023 15:00	7.2	64	9	10.5	0	33.7	55
25/02/2023 15:10	7.3	63	8	10	0	33.8	57
25/02/2023 15:20	7.9	63	8	10.6	0	33.6	58
25/02/2023 15:30	7.6	63	7	9.8	0	33.3	59
25/02/2023 15:40	7	60	9	10.2	0	33.1	59
25/02/2023 15:50	6.3	46	10	9	0	33.3	58
25/02/2023 16:00	5.4	53	13	8	0	33.6	59
25/02/2023 16:10	6.6	49	11	9.5	0	33.2	59
25/02/2023 16:20	6.4	36	8	9.4	0	33.2	58



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/02/2023 16:30	6.1	31	12	8.7	0	33	60
25/02/2023 16:40	6	25	11	8.3	0	32.6	62
25/02/2023 16:50	4.5	31	10	6.8	0	32.7	62
25/02/2023 17:00	3.7	27	17	5.5	0	32.7	62
25/02/2023 17:10	4.1	32	13	5.3	0	32.5	62
25/02/2023 17:20	4.1	57	18	6.9	0	32.3	62
25/02/2023 17:30	4.4	71	10	6.2	0	32.1	63
25/02/2023 17:40	4.4	71	10	6	0	31.8	63
25/02/2023 17:50	4.4	65	8	5.9	0	31.5	63
25/02/2023 18:00	3.9	65	7	4.9	0	31.3	63
25/02/2023 18:10	3.6	65	7	4.5	0	31.2	63
25/02/2023 18:20	2.9	59	8	3.8	0	31.2	62
25/02/2023 18:30	2.6	31	16	3.4	0	31.1	61
25/02/2023 18:40	3.7	332	13	5.4	0	30.9	54
25/02/2023 18:50	4	344	9	5.1	0	30.2	44
25/02/2023 19:00	4	343	9	5.3	0	30	39
25/02/2023 19:10	3.8	352	16	5.6	0	30	36
25/02/2023 19:20	3.2	333	12	4.4	0	29.9	36
25/02/2023 19:30	3.4	342	12	4.9	0	29.9	38
25/02/2023 19:40	3.2	347	11	4.5	0	30	40
25/02/2023 19:50	3.2	347	13	4.3	0	30	40
25/02/2023 20:00	3.5	349	10	4.9	0	29.9	39
25/02/2023 20:10	3.1	332	13	4.6	0	29.8	38
25/02/2023 20:20	3.1	327	13	4.4	0	29.8	38
25/02/2023 20:30	2.6	327	13	3.7	0	29.7	38
25/02/2023 20:40	2.1	312	13	3.3	0	29.7	37
25/02/2023 20:50	2.3	293	6	3	0	29.7	38
25/02/2023 21:00	1.8	293	8	2.5	0	29.7	38
25/02/2023 21:10	1.9	287	7	2.6	0	29.7	37
25/02/2023 21:20	1.9	226	21	2.9	0	29.7	37
25/02/2023 21:30	3.2	179	9	4.5	0	29.2	37
25/02/2023 21:40	3.1	178	9	4.4	0	28.9	35
25/02/2023 21:50	3.1	176	7	4	0	28.9	33
25/02/2023 22:00	3.2	181	8	4.3	0	28.7	32
25/02/2023 22:10	3.3	180	10	4.2	0	28.7	32
25/02/2023 22:20	2.7	186	10	3.8	0	28.6	30
25/02/2023 22:30	1.6	208	14	2.5	0	28.5	29
25/02/2023 22:40	1.8	211	11	2.8	0	28.3	29
25/02/2023 22:50	2.9	196	13	4.2	0	28.4	31
25/02/2023 23:00	3.1	188	10	4.6	0	28.5	32
25/02/2023 23:10	3.4	189	10	4.8	0	28.3	33
25/02/2023 23:20	3.4	186	11	4.9	0	28.3	33
25/02/2023 23:30	3.5	180	10	5.2	0	28.2	34
25/02/2023 23:40	2.6	189	14	3.8	0	28.2	34
25/02/2023 23:50	2.6	196	14	4.1	0	28.1	34
26/02/2023 00:00	3.2	204	10	4.3	0	28.1	35
26/02/2023 00:10	2.2	211	12	3.6	0	28.2	38
26/02/2023 00:20	2	209	11	3.1	0	28.4	39



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/02/2023 00:30	1.9	198	14	3.1	0	28.4	40
26/02/2023 00:40	1.8	224	15	2.8	0	28.4	41
26/02/2023 00:50	1.5	231	16	2.5	0	28.5	41
26/02/2023 01:00	0.8	235	30	1.4	0	28.4	41
26/02/2023 01:10	1.8	209	15	3.2	0	28.4	42
26/02/2023 01:20	2	205	13	3	0	28.5	45
26/02/2023 01:30	1.6	205	11	2.3	0	28.5	46
26/02/2023 01:40	1.6	202	15	2.5	0	28.5	46
26/02/2023 01:50	1.6	192	16	2.9	0	28.5	46
26/02/2023 02:00	1.6	223	23	2.4	0	28.4	47
26/02/2023 02:10	1.2	236	28	2.6	0	28.5	48
26/02/2023 02:20	1.7	241	24	2.6	0	28.5	48
26/02/2023 02:30	2.2	254	19	3.8	0	28.5	48
26/02/2023 02:40	1.7	223	21	2.7	0	28.5	48
26/02/2023 02:50	1.9	214	11	2.8	0	28.5	49
26/02/2023 03:00	1.7	190	11	2.5	0	28.4	48
26/02/2023 03:10	2.1	192	12	3.2	0	28.1	46
26/02/2023 03:20	2.2	191	13	3.9	0	27.9	44
26/02/2023 03:30	1.9	189	13	3.1	0	27.7	41
26/02/2023 03:40	1.7	187	12	2.6	0	27.7	39
26/02/2023 03:50	1.8	181	10	2.5	0	27.7	38
26/02/2023 04:00	2	192	9	3.1	0	27.7	37
26/02/2023 04:10	2.7	198	16	4.1	0	27.6	37
26/02/2023 04:20	2.5	197	12	3.6	0	27.6	38
26/02/2023 04:30	2.4	194	13	4	0	27.6	39
26/02/2023 04:40	2.3	194	14	3.7	0	27.7	42
26/02/2023 04:50	2	194	10	2.8	0	27.7	45
26/02/2023 05:00	2.1	196	15	3.7	0	27.7	49
26/02/2023 05:10	1.5	170	25	2.7	0	27.8	53
26/02/2023 05:20	1.3	171	26	2.1	0	27.8	54
26/02/2023 05:30	0.8	165	44	1.7	0	27.6	54
26/02/2023 05:40	1.1	162	26	1.9	0	27.7	55
26/02/2023 05:50	1.6	166	20	2.2	0	27.8	57
26/02/2023 06:00	0.8	113	59	1.8	0	27.8	58
26/02/2023 06:10	0.9	69	26	1.7	0	27.7	57
26/02/2023 06:20	1.1	148	33	2	0	27.6	56
26/02/2023 06:30	1	191	34	1.9	0	27.6	56
26/02/2023 06:40	1.3	204	32	2.6	0	27.7	56
26/02/2023 06:50	0.9	102	39	1.8	0	27.7	55
26/02/2023 07:00	1.1	104	26	1.9	0	28	56
26/02/2023 07:10	1.6	121	19	2.4	0	28.2	57
26/02/2023 07:20	1.6	136	15	2.4	0	28.5	59
26/02/2023 07:30	1.5	151	20	2.3	0	28.8	61
26/02/2023 07:40	2	180	15	2.8	0	28.7	62
26/02/2023 07:50	1.7	145	23	2.6	0	29.2	63
26/02/2023 08:00	2.2	123	15	3.1	0	29.7	65
26/02/2023 08:10	2.4	109	15	3.7	0	29.7	65
26/02/2023 08:20	2.4	120	14	3.8	0	29.8	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/02/2023 08:30	2.7	108	17	3.8	0	30.4	65
26/02/2023 08:40	2.7	115	19	4.2	0	31	65
26/02/2023 08:50	2.9	107	16	4.1	0	30.9	66
26/02/2023 09:00	2.9	105	17	4.1	0	31.1	66
26/02/2023 09:10	2.3	118	19	3.4	0	31.6	65
26/02/2023 09:20	3.1	84	13	4.2	0	31.6	65
26/02/2023 09:30	3.4	86	11	4.7	0	31.5	65
26/02/2023 09:40	3.6	77	12	4.7	0	32.1	63
26/02/2023 09:50	3.4	80	11	5	0	32.2	62
26/02/2023 10:00	3.7	80	8	5.6	0	32.3	61
26/02/2023 10:10	3.8	75	10	5.1	0	32.6	59
26/02/2023 10:20	4.2	84	8	5.2	0	33.1	57
26/02/2023 10:30	3.9	86	10	5.4	0	33.6	56
26/02/2023 10:40	4	83	8	5.4	0	34	54
26/02/2023 10:50	4.1	84	10	5.3	0	34.1	51
26/02/2023 11:00	3.9	79	7	5.1	0	34.1	50
26/02/2023 11:10	3.8	70	11	4.7	0	34	50
26/02/2023 11:20	3.3	79	11	4.6	0	34.2	51
26/02/2023 11:30	3.2	68	11	4.9	0	34.3	50
26/02/2023 11:40	3.2	56	11	4.4	0	34.3	51
26/02/2023 11:50	3.4	52	8	4.5	0	34.1	52
26/02/2023 12:00	3.5	57	12	5.3	0	34.1	53
26/02/2023 12:10	4.1	82	11	5.8	0	34.1	51
26/02/2023 12:20	3.4	49	11	4.9	0	34.2	51
26/02/2023 12:30	3.3	38	10	4.6	0	34.2	51
26/02/2023 12:40	4.1	43	11	5.5	0	34	51
26/02/2023 12:50	4	53	8	5.5	0	34.2	50
26/02/2023 13:00	4.1	57	8	5.2	0	34.2	49
26/02/2023 13:10	4	59	11	5.5	0	34.4	49
26/02/2023 13:20	3.7	55	15	4.9	0	34.8	48
26/02/2023 13:30	4.4	59	13	6.2	0	35.3	47
26/02/2023 13:40	4.2	54	10	5.7	0	35.2	47
26/02/2023 13:50	3.8	60	16	4.9	0	35.1	46
26/02/2023 14:00	4.1	58	11	5.4	0	35	47
26/02/2023 14:10	4.2	69	10	5.7	0	34.8	47
26/02/2023 14:20	4.1	58	10	5.9	0	34.7	48
26/02/2023 14:30	3.1	22	17	4.7	0	34.1	55
26/02/2023 14:40	3.3	22	15	4.6	0	34.3	56
26/02/2023 14:50	3.5	6	13	4.9	0	34.4	58
26/02/2023 15:00	4.4	12	11	6	0	34.7	57
26/02/2023 15:10	4.7	3	12	6.3	0	34.8	56
26/02/2023 15:20	5	11	12	6.4	0	34.7	54
26/02/2023 15:30	4.8	15	10	6.3	0	35	53
26/02/2023 15:40	5.1	7	11	6.6	0	35.1	53
26/02/2023 15:50	4.9	15	11	6.6	0	34.5	55
26/02/2023 16:00	5	14	10	6.6	0	34.2	55
26/02/2023 16:10	5	9	11	6.4	0	33.9	57
26/02/2023 16:20	5.1	14	8	6.5	0	34	56



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/02/2023 16:30	5.2	12	9	6.7	0	34.2	55
26/02/2023 16:40	5.2	2	10	6.8	0	34	56
26/02/2023 16:50	4.9	343	13	6.6	0	33.6	61
26/02/2023 17:00	5	348	9	7.2	0	32.5	65
26/02/2023 17:10	5.3	337	9	7.4	0	32.3	65
26/02/2023 17:20	5	335	11	6.7	0	32.7	64
26/02/2023 17:30	4.9	320	13	7.8	0	32.8	65
26/02/2023 17:40	5	308	12	6.9	0	32.4	66
26/02/2023 17:50	5.3	308	10	7.5	0	31.8	66
26/02/2023 18:00	5.5	307	9	7.6	0	31.6	66
26/02/2023 18:10	5.7	312	5	7.4	0	31.6	66
26/02/2023 18:20	5.5	311	7	7.2	0	31.5	66
26/02/2023 18:30	4.9	306	9	6.6	0	31.5	64
26/02/2023 18:40	4.3	313	10	6.1	0	31.7	63
26/02/2023 18:50	4.3	306	11	6.5	0	31.6	66
26/02/2023 19:00	5.3	305	10	7.3	0	31.2	67
26/02/2023 19:10	5.4	292	9	7.4	0	31.1	67
26/02/2023 19:20	4.8	281	10	6.6	0	31.1	67
26/02/2023 19:30	5	276	9	6.7	0	31	66
26/02/2023 19:40	5.7	270	6	7.3	0	30.9	65
26/02/2023 19:50	5	269	7	6.5	0	30.8	65
26/02/2023 20:00	4.9	268	8	6.7	0	30.9	65
26/02/2023 20:10	5.2	276	8	6.6	0	30.8	65
26/02/2023 20:20	4.6	273	8	6.6	0	30.9	63
26/02/2023 20:30	5	269	7	6.9	0	30.8	62
26/02/2023 20:40	5.6	274	6	7.6	0	30.7	61
26/02/2023 20:50	5.1	270	7	7	0	30.7	61
26/02/2023 21:00	5.6	269	7	7.2	0	30.6	62
26/02/2023 21:10	5.6	271	6	7.4	0	30.6	62
26/02/2023 21:20	5.5	268	7	7.2	0	30.6	62
26/02/2023 21:30	6	260	9	7.6	0	30.5	61
26/02/2023 21:40	5.4	258	6	7.5	0	30.4	59
26/02/2023 21:50	5	256	7	6.9	0	30.3	58
26/02/2023 22:00	4.5	252	10	6	0	30.4	57
26/02/2023 22:10	4.6	243	11	6.5	0	30.5	57
26/02/2023 22:20	4.3	250	11	6.1	0	30.4	57
26/02/2023 22:30	4.3	240	11	5.7	0	30.3	57
26/02/2023 22:40	4.2	231	20	5.9	0	30.2	59
26/02/2023 22:50	4.7	193	10	7.2	0	28.5	59
26/02/2023 23:00	3.8	192	10	5	0	28.1	60
26/02/2023 23:10	3.5	202	10	5.5	0	28	61
26/02/2023 23:20	4.1	197	10	6.3	0	27.9	64
26/02/2023 23:30	3.2	184	12	4.9	0	27.7	64
26/02/2023 23:40	3.4	181	12	5	0	27.7	63
26/02/2023 23:50	2.7	176	15	4.4	0	27.7	63
27/02/2023 00:00	2	150	34	3.6	0	27.7	62
27/02/2023 00:10	2.3	178	35	5.2	0	27.5	62
27/02/2023 00:20	2	152	36	4	0	27.3	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/02/2023 00:30	1.4	149	60	4.2	0	27.3	64
27/02/2023 00:40	1	62	48	1.9	0	27.3	64
27/02/2023 00:50	1.8	65	23	2.8	0	27.2	63
27/02/2023 01:00	1.2	184	22	1.9	0	27.2	64
27/02/2023 01:10	0.9	186	54	1.7	0	27.4	65
27/02/2023 01:20	0.9	35	15	1.3	0	27.5	65
27/02/2023 01:30	0.5	163	42	0.8	0	27.4	65
27/02/2023 01:40	0.5	245	28	0.9	0	27.3	66
27/02/2023 01:50	1.2	254	21	1.5	0	27.5	66
27/02/2023 02:00	0.8	235	20	1.3	0	27.5	66
27/02/2023 02:10	1.2	166	22	1.7	0	27.4	67
27/02/2023 02:20	0.9	206	36	1.5	0	27.4	66
27/02/2023 02:30	1.4	180	19	1.8	0	27.6	66
27/02/2023 02:40	1.3	225	20	1.8	0	27.6	66
27/02/2023 02:50	1.3	211	14	1.7	0	27.2	64
27/02/2023 03:00	1.2	255	16	1.8	0	27.1	63
27/02/2023 03:10	1.5	221	24	2.2	0	27.3	63
27/02/2023 03:20	2.6	296	7	3.2	0	27.3	62
27/02/2023 03:30	2.3	303	12	3.3	0	28	64
27/02/2023 03:40	2.1	288	14	2.6	0	28.4	65
27/02/2023 03:50	2.3	294	13	3.4	0	28.5	65
27/02/2023 04:00	2.1	277	14	3.1	0	28.7	65
27/02/2023 04:10	1.7	279	13	2.5	0	28.3	64
27/02/2023 04:20	1.9	263	17	2.7	0	28.3	64
27/02/2023 04:30	2.5	290	12	3.8	0	28.7	65
27/02/2023 04:40	3.2	294	10	4.4	0	28.9	66
27/02/2023 04:50	3.4	295	9	4.9	0	28.9	66
27/02/2023 05:00	3.2	293	8	4.6	0	28.9	65
27/02/2023 05:10	3.6	299	7	5.2	0	28.8	63
27/02/2023 05:20	3.5	303	8	4.9	0	28.8	61
27/02/2023 05:30	3.6	291	9	5.3	0	28.8	58
27/02/2023 05:40	4	280	8	5.5	0	28.7	53
27/02/2023 05:50	4.8	280	9	7.1	0	28.7	51
27/02/2023 06:00	4	275	9	5.8	0	28.5	46
27/02/2023 06:10	4.1	263	7	5.3	0	28.5	42
27/02/2023 06:20	4.3	257	9	5.6	0	28.4	41
27/02/2023 06:30	3.6	228	14	5.3	0	28.4	42
27/02/2023 06:40	3.1	223	10	4.7	0	28.1	47
27/02/2023 06:50	3.2	209	10	4.8	0	28	55
27/02/2023 07:00	3.9	198	10	5.4	0	28.2	61
27/02/2023 07:10	3.5	191	10	4.9	0	28.4	63
27/02/2023 07:20	3.1	181	11	4.4	0	28.3	63
27/02/2023 07:30	3	177	10	4.3	0	28.3	63
27/02/2023 07:40	2.9	169	13	4	0	28.5	64
27/02/2023 07:50	2.6	158	17	3.8	0	28.9	65
27/02/2023 08:00	2.8	179	12	4.1	0	29.1	66
27/02/2023 08:10	2.9	179	16	4.4	0	29.6	66
27/02/2023 08:20	2.8	181	17	4.3	0	30	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/02/2023 08:30	3.3	183	12	4.4	0	29.9	66
27/02/2023 08:40	3.1	192	15	4.8	0	30.3	66
27/02/2023 08:50	3.4	188	17	4.7	0	30.7	66
27/02/2023 09:00	3.2	185	15	4.6	0	30.9	65
27/02/2023 09:10	2.9	177	16	4.6	0	31.2	65
27/02/2023 09:20	3.6	197	16	5.2	0	31.6	63
27/02/2023 09:30	3	201	18	4.8	0	31.8	62
27/02/2023 09:40	3	193	16	4.4	0	32	61
27/02/2023 09:50	2.8	196	15	4.3	0	32.1	61
27/02/2023 10:00	2.2	182	26	3.7	0	32.4	60
27/02/2023 10:10	1.9	179	49	3.1	0	33.3	58
27/02/2023 10:20	1.9	159	35	3.5	0	33.8	56
27/02/2023 10:30	2.5	110	20	4.3	0	34.9	53
27/02/2023 10:40	2.7	111	22	4.3	0	34.6	54
27/02/2023 10:50	3	120	15	4.2	0	34.8	52
27/02/2023 11:00	2.8	120	19	4	0	35	51
27/02/2023 11:10	2.3	108	29	3.8	0	35.6	49
27/02/2023 11:20	2.3	124	48	4.8	0	36.1	48
27/02/2023 11:30	2.1	205	38	3.9	0	36.4	49
27/02/2023 11:40	2.9	335	19	4.6	0	35.7	52
27/02/2023 11:50	3.7	329	12	5.4	0	35	54
27/02/2023 12:00	4.1	334	15	5.9	0	34.3	55
27/02/2023 12:10	4.3	332	11	5.8	0	34.3	54
27/02/2023 12:20	4.6	334	14	6	0	34.2	54
27/02/2023 12:30	5.5	335	13	7.7	0	34.2	58
27/02/2023 12:40	6.3	325	12	8.2	0	33.7	62
27/02/2023 12:50	6.6	330	10	8.7	0	33.1	63
27/02/2023 13:00	6.1	329	13	8.6	0	33.1	65
27/02/2023 13:10	6.5	332	12	9	0	32.9	65
27/02/2023 13:20	6.8	341	11	10.7	0	32.3	66
27/02/2023 13:30	7.1	328	10	9.9	0	32.1	66
27/02/2023 13:40	6.3	335	11	8.6	0	32.3	66
27/02/2023 13:50	7.1	336	14	9.5	0	32.4	66
27/02/2023 14:00	7.6	327	9	10.3	0	32.3	66
27/02/2023 14:10	7.1	335	12	10.1	0	32.4	66
27/02/2023 14:20	7.5	323	11	10.1	0	32.1	67
27/02/2023 14:30	6.9	333	12	10.4	0	32.2	66
27/02/2023 14:40	7.1	332	11	9.6	0	32.6	65
27/02/2023 14:50	7.2	331	13	10.5	0	32.4	66
27/02/2023 15:00	7.2	323	13	10.5	0	32.4	67
27/02/2023 15:10	7.2	334	15	11.1	0	32.5	66
27/02/2023 15:20	7.7	339	10	11	0	31.8	67
27/02/2023 15:30	8.4	329	10	11.9	0	31.7	67
27/02/2023 15:40	8.7	332	10	11.4	0	31.3	67
27/02/2023 15:50	7.6	334	10	11.5	0	31.7	67
27/02/2023 16:00	6.9	334	12	9.9	0	31.8	67
27/02/2023 16:10	7.2	330	12	10	0	31.5	67
27/02/2023 16:20	6.4	325	15	9.4	0	31.7	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/02/2023 16:30	6.2	327	13	8.9	0	31.9	67
27/02/2023 16:40	5.9	317	11	9.4	0	31.9	67
27/02/2023 16:50	6.8	317	12	9.6	0	31.4	67
27/02/2023 17:00	6.2	309	11	9.2	0	31.4	67
27/02/2023 17:10	6	304	13	8.4	0	31.4	67
27/02/2023 17:20	4.8	308	13	7.8	0	31.5	67
27/02/2023 17:30	4.9	314	8	6.6	0	31.3	67
27/02/2023 17:40	4.4	291	12	6.4	0	31.4	67
27/02/2023 17:50	4.4	289	13	6	0	31.3	68
27/02/2023 18:00	4.5	284	13	5.9	0	31.3	67
27/02/2023 18:10	4.8	279	9	6.7	0	31.2	67
27/02/2023 18:20	4.7	279	9	6	0	31	68
27/02/2023 18:30	4.1	271	8	5.7	0	30.7	68
27/02/2023 18:40	4	268	7	5.7	0	30.5	68
27/02/2023 18:50	4	265	9	5.5	0	30.5	68
27/02/2023 19:00	3.9	258	7	5.1	0	30.4	68
27/02/2023 19:10	3.9	280	10	5.4	0	30.4	68
27/02/2023 19:20	3.9	283	8	5.3	0	30.4	68
27/02/2023 19:30	3.8	284	9	5.2	0	30.4	68
27/02/2023 19:40	4.4	284	11	5.7	0	30.4	68
27/02/2023 19:50	4.3	284	11	6.2	0	30.4	68
27/02/2023 20:00	4.3	283	8	5.8	0	30.4	68
27/02/2023 20:10	4.3	278	8	6	0	30.3	67
27/02/2023 20:20	4.3	271	9	6.4	0	30.3	67
27/02/2023 20:30	4.9	272	8	6.8	0	30.3	67
27/02/2023 20:40	5.1	271	7	7	0	30.3	67
27/02/2023 20:50	5.2	273	6	6.7	0	30.3	66
27/02/2023 21:00	5.1	273	7	6.6	0	30.2	66
27/02/2023 21:10	4.1	268	8	5.6	0	30.2	66
27/02/2023 21:20	4	272	9	5.7	0	30.2	66
27/02/2023 21:30	4.3	266	7	6.1	0	30.3	66
27/02/2023 21:40	4	259	7	5.7	0	30.3	65
27/02/2023 21:50	3.9	265	7	5.3	0	30.2	65
27/02/2023 22:00	3.8	260	6	4.9	0	30.1	64
27/02/2023 22:10	3.9	260	6	4.9	0	30	63
27/02/2023 22:20	3.4	262	6	4.3	0	30.1	62
27/02/2023 22:30	3.3	262	6	4.6	0	30	62
27/02/2023 22:40	3.4	262	6	4.4	0	29.9	62
27/02/2023 22:50	3.7	264	7	5.1	0	29.9	61
27/02/2023 23:00	3.9	264	6	5.1	0	29.9	60
27/02/2023 23:10	3.7	260	6	5.2	0	29.9	60
27/02/2023 23:20	3.5	246	13	5	0	30	59
27/02/2023 23:30	3.7	262	6	4.9	0	29.8	58
27/02/2023 23:40	3.4	261	7	4.4	0	29.7	57
27/02/2023 23:50	3.9	266	4	4.9	0	29.6	56
28/02/2023 00:00	3.6	267	5	4.7	0	29.5	54
28/02/2023 00:10	3.5	264	6	4.5	0	29.5	54
28/02/2023 00:20	3.6	264	5	4.6	0	29.4	53





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/02/2023 00:30	3.7	262	6	4.8	0	29.4	53
28/02/2023 00:40	3.3	262	6	4.1	0	29.4	52
28/02/2023 00:50	2.7	255	12	3.5	0	29.4	51
28/02/2023 01:00	2.3	258	11	3.3	0	29.5	52
28/02/2023 01:10	2.2	259	11	3.5	0	29.5	51
28/02/2023 01:20	2.4	246	14	3.6	0	29.5	52
28/02/2023 01:30	1.9	205	19	3	0	29.6	54
28/02/2023 01:40	1.6	204	16	2.4	0	29.7	55
28/02/2023 01:50	1.4	264	13	2.1	0	29.7	55
28/02/2023 02:00	0.6	248	82	1.5	0	29.6	54
28/02/2023 02:10	1	172	32	1.6	0	29.5	53
28/02/2023 02:20	2.3	293	6	3.1	0	29.4	52
28/02/2023 02:30	3.5	300	7	4.7	0.4	29.3	50
28/02/2023 02:40	3.2	323	14	5.5	0	28.4	53
28/02/2023 02:50	4.3	314	11	6.1	0	27.9	59
28/02/2023 03:00	3.7	310	12	5.6	0	28.1	62
28/02/2023 03:10	5.2	314	11	7.6	0	27.9	61
28/02/2023 03:20	4.9	312	11	7.4	0	27.5	55
28/02/2023 03:30	5.2	280	7	7.4	0	27.1	51
28/02/2023 03:40	5	266	6	6.5	0	26.9	49
28/02/2023 03:50	5.4	257	6	7.6	0	27.1	48
28/02/2023 04:00	6.3	257	6	8.3	0	27.4	51
28/02/2023 04:10	6.4	273	7	8.9	0	27.5	57
28/02/2023 04:20	5.7	271	9	7.8	0	27.6	53
28/02/2023 04:30	4.9	265	8	6.4	0	27.5	46
28/02/2023 04:40	4.9	254	5	6.2	0	27.2	44
28/02/2023 04:50	5.1	256	7	6.5	0	27.2	46
28/02/2023 05:00	4.4	256	5	5.3	0	27.4	48
28/02/2023 05:10	4.2	254	6	5.8	0	27.5	50
28/02/2023 05:20	4.9	254	6	6.9	0	27.8	52
28/02/2023 05:30	3.8	254	8	4.7	0	27.8	52
28/02/2023 05:40	2.6	250	12	3.7	0	27.7	51
28/02/2023 05:50	3.3	262	7	4.3	0	27.5	51
28/02/2023 06:00	3.2	248	9	4.5	0	27.6	52
28/02/2023 06:10	4.1	253	10	5.9	0	27.7	53
28/02/2023 06:20	4.5	258	8	6.1	0	27.7	54
28/02/2023 06:30	3.6	251	9	5.1	0	28	54
28/02/2023 06:40	3.3	255	11	4.7	0	28.4	58
28/02/2023 06:50	3	255	12	4.3	0	28.7	61
28/02/2023 07:00	3.6	241	10	5.2	0	29.1	61
28/02/2023 07:10	3.9	247	10	5.4	0	29.3	62
28/02/2023 07:20	3.4	240	11	5.2	0	29.4	64
28/02/2023 07:30	3.2	243	14	4.8	0	29.3	64
28/02/2023 07:40	3.6	225	15	5.7	0	29.2	64
28/02/2023 07:50	3.2	205	10	4.7	0	29.3	64
28/02/2023 08:00	3.2	213	12	5	0	29.6	65
28/02/2023 08:10	2.5	215	17	4.1	0	29.8	66
28/02/2023 08:20	3.3	225	12	5.1	0	29.8	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/02/2023 08:30	3.3	233	13	4.8	0	30.4	67
28/02/2023 08:40	3.6	231	13	4.9	0	30.8	67
28/02/2023 08:50	3.6	235	10	4.8	0	30.6	67
28/02/2023 09:00	3.7	238	11	5	0	30.6	67
28/02/2023 09:10	3.2	244	13	4.5	0	30.8	67
28/02/2023 09:20	3.2	247	16	4.5	0	31.3	66
28/02/2023 09:30	2.8	227	21	4.1	0	31.4	65
28/02/2023 09:40	2.5	203	17	3.8	0	31.7	63
28/02/2023 09:50	2.1	244	23	3.6	0	32.6	60
28/02/2023 10:00	2.7	239	17	4.4	0	32.8	60
28/02/2023 10:10	2.8	261	20	4.4	0	33.2	59
28/02/2023 10:20	2.8	277	24	4.5	0	33.3	60
28/02/2023 10:30	1.6	280	40	3.1	0	33.7	58
28/02/2023 10:40	2.6	352	34	5	0	33.3	63
28/02/2023 10:50	1.8	6	29	2.9	0	32.8	64
28/02/2023 11:00	3.3	340	12	4.5	0	32.7	64
28/02/2023 11:10	3.4	333	9	4.5	0	32.5	65
28/02/2023 11:20	3.8	326	9	4.8	0	32.2	66
28/02/2023 11:30	3.3	329	14	4.8	0	32.7	65
28/02/2023 11:40	3.3	327	10	4.9	0	33.1	63
28/02/2023 11:50	4	329	11	5.1	0	33.2	63
28/02/2023 12:00	4.8	330	11	6.4	0	32.9	65
28/02/2023 12:10	4.8	332	11	6.5	0	32.8	65
28/02/2023 12:20	4.4	328	18	6.3	0	33.2	65
28/02/2023 12:30	4.6	312	13	6.6	0	33.6	63
28/02/2023 12:40	4.6	316	14	7	0	33.7	63
28/02/2023 12:50	5.7	320	15	7.7	0	33.5	64
28/02/2023 13:00	6	332	10	7.7	0	33	66
28/02/2023 13:10	5.3	317	17	8	0	33.5	65
28/02/2023 13:20	5.3	324	12	7.8	0	33.3	66
28/02/2023 13:30	5.5	306	14	7.8	0	33.2	66
28/02/2023 13:40	5.5	300	13	8.7	0	33.1	67
28/02/2023 13:50	5.4	307	13	8.1	0	33.6	65
28/02/2023 14:00	5.9	299	11	8.5	0	32.9	66
28/02/2023 14:10	6	301	15	8.4	0	33.1	67
28/02/2023 14:20	5.7	303	12	8.6	0	33.2	67
28/02/2023 14:30	6.2	308	11	9.1	0	33	67
28/02/2023 14:40	6.2	311	11	8.8	0	33	67
28/02/2023 14:50	6.8	308	10	9.7	0	32.4	68
28/02/2023 15:00	6.5	301	10	9.2	0	32.4	67
28/02/2023 15:10	6.5	305	11	9.3	0	32.9	66
28/02/2023 15:20	6.6	298	14	10.2	0	32.7	67
28/02/2023 15:30	7.3	290	8	9.9	0	32.5	66
28/02/2023 15:40	7.4	286	8	10.1	0	32.8	65
28/02/2023 15:50	7.7	291	7	9.9	0	32.5	65
28/02/2023 16:00	7.4	290	7	9.9	0	32.4	66
28/02/2023 16:10	7.2	290	6	9.3	0	32.3	67
28/02/2023 16:20	7.3	291	8	9.5	0	32.2	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/02/2023 16:30	7.5	296	8	9.8	0	32.2	67
28/02/2023 16:40	7	293	9	9.7	0	32.2	67
28/02/2023 16:50	7.3	297	8	10	0	32.2	66
28/02/2023 17:00	7.4	297	6	10.2	0	32.2	65
28/02/2023 17:10	7.2	294	9	10.1	0	32.3	65
28/02/2023 17:20	6.5	291	9	9.3	0	32.3	65
28/02/2023 17:30	7	286	10	9.6	0	32.3	65
28/02/2023 17:40	6.9	273	9	9.2	0	32.3	65
28/02/2023 17:50	6.5	274	9	9.5	0	32.2	66
28/02/2023 18:00	7	265	7	9.4	0	31.9	68
28/02/2023 18:10	7.1	270	7	10	0	31.7	68
28/02/2023 18:20	7.7	270	6	9.8	0	31.4	68
28/02/2023 18:30	7.5	275	7	9.5	0	31.2	68
28/02/2023 18:40	7.5	277	6	9.7	0	31.1	67
28/02/2023 18:50	7.3	270	8	9.3	0	31	68
28/02/2023 19:00	6.4	270	8	8.7	0	30.9	69
28/02/2023 19:10	6.9	270	7	9.9	0	30.8	69
28/02/2023 19:20	7.1	269	6	9.4	0	30.9	69
28/02/2023 19:30	7.3	263	8	10.3	0	30.9	69
28/02/2023 19:40	7.5	259	7	10.4	0	30.8	68
28/02/2023 19:50	7.3	263	7	9.7	0	30.7	67
28/02/2023 20:00	7.8	259	7	9.9	0	30.6	66
28/02/2023 20:10	7.1	261	6	9.5	0	30.6	65
28/02/2023 20:20	6.6	260	7	9	0	30.6	64
28/02/2023 20:30	7.3	262	7	9.6	0	30.5	62
28/02/2023 20:40	7.3	254	8	9.9	0	30.4	63
28/02/2023 20:50	7.1	259	6	9.2	0	30.4	64
28/02/2023 21:00	7.6	261	6	9.9	0	30.5	66
28/02/2023 21:10	6.1	254	7	8.1	0	30.5	67
28/02/2023 21:20	5.9	257	7	7.9	0	30.4	67
28/02/2023 21:30	6.1	260	8	8.3	0	30.5	68
28/02/2023 21:40	5.9	257	7	7.9	0	30.4	68
28/02/2023 21:50	5.6	262	6	7.4	0	30.4	67
28/02/2023 22:00	6	260	7	7.9	0	30.4	68
28/02/2023 22:10	6.6	262	6	8.5	0	30.4	67
28/02/2023 22:20	6.3	261	7	8.4	0	30.4	68
28/02/2023 22:30	5.8	258	7	7.7	0	30.4	68
28/02/2023 22:40	6.3	256	7	8	0	30.4	68
28/02/2023 22:50	5.7	258	7	7.4	0	30.4	68
28/02/2023 23:00	5.9	260	6	7.8	0	30.3	68
28/02/2023 23:10	6.3	260	7	8.1	0	30.5	68
28/02/2023 23:20	6.1	263	7	8.2	0	30.5	68
28/02/2023 23:30	5.5	254	6	7.2	0	30.4	68
28/02/2023 23:40	4.7	251	9	6.3	0	30.3	68
28/02/2023 23:50	3.8	247	11	5.3	0	30.2	68
03/01/2023 00:00	4.6	258	7	6	0	29.8	69
03/01/2023 00:10	4.5	259	6	6	0	29.5	69
03/01/2023 00:20	4.2	260	6	5.3	0	29.4	69



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/01/2023 00:30	4	264	6	5.2	0	29.4	69
03/01/2023 00:40	4.3	260	6	5.6	0	29.5	69
03/01/2023 00:50	4.8	263	6	6.1	0	29.4	69
03/01/2023 01:00	4.6	261	6	5.9	0	29.4	68
03/01/2023 01:10	5.6	260	7	8.1	0	29.4	66
03/01/2023 01:20	6.4	262	6	8.4	0	29.4	66
03/01/2023 01:30	5.9	260	6	7.5	0	29.5	66
03/01/2023 01:40	5.6	258	7	7.7	0	29.5	67
03/01/2023 01:50	5.8	258	7	7.4	0	29.4	69
03/01/2023 02:00	5.4	256	5	6.5	0	29.4	69
03/01/2023 02:10	5.4	261	8	7.4	0	29.4	69
03/01/2023 02:20	5.6	266	6	7.3	0	29.5	69
03/01/2023 02:30	5.1	267	7	7.6	0	29.7	69
03/01/2023 02:40	6.1	261	7	8.2	0	29.8	68
03/01/2023 02:50	6.8	242	8	9.2	0	29.8	67
03/01/2023 03:00	8	250	8	12	0	29.4	68
03/01/2023 03:10	6.1	243	10	9.3	0	29.3	69
03/01/2023 03:20	5.7	244	11	8.4	0	29.2	68
03/01/2023 03:30	6	252	9	8.4	0	29.1	68
03/01/2023 03:40	5.2	262	6	6.6	0	28.8	67
03/01/2023 03:50	4.8	260	7	6.1	0	28.8	67
03/01/2023 04:00	4.8	260	8	6.7	0	28.8	67
03/01/2023 04:10	3.9	259	11	5.1	0	28.7	67
03/01/2023 04:20	4	257	8	5.1	0	28.6	67
03/01/2023 04:30	4.5	258	6	6.1	0	28.4	68
03/01/2023 04:40	3.9	265	7	4.9	0	28.3	69
03/01/2023 04:50	3.6	257	8	5.4	0	28.4	69
03/01/2023 05:00	3.6	264	7	5.1	0	28.4	69
03/01/2023 05:10	4.4	261	7	5.7	0	28.4	69
03/01/2023 05:20	4.2	264	8	5.7	0	28.4	69
03/01/2023 05:30	4.5	268	7	6	0	28.3	70
03/01/2023 05:40	4.6	257	7	6.6	0	28.2	70
03/01/2023 05:50	5.4	257	6	6.6	0	28.1	70
03/01/2023 06:00	4.3	263	7	5.7	0	28.1	70
03/01/2023 06:10	4.7	263	7	6	0	28.2	69
03/01/2023 06:20	5	259	6	6.3	0	28.2	69
03/01/2023 06:30	4.4	261	5	5.5	0	28.2	69
03/01/2023 06:40	3.8	265	7	5.1	0	28.4	69
03/01/2023 06:50	3.7	270	8	4.7	0	28.4	69
03/01/2023 07:00	4.2	267	6	5.1	0	28.5	69
03/01/2023 07:10	3.8	260	6	5	0	28.7	69
03/01/2023 07:20	3.9	276	7	4.9	0	28.8	69
03/01/2023 07:30	4.1	280	6	5.6	0	29.2	69
03/01/2023 07:40	4.9	269	7	6.5	0	29.5	69
03/01/2023 07:50	5.1	268	7	6.8	0	29.6	69
03/01/2023 08:00	5.5	258	6	7.4	0	30	69
03/01/2023 08:10	5.6	261	9	7.4	0	30.7	68
03/01/2023 08:20	6.6	259	6	8.1	0	30.4	69



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/01/2023 08:30	6.3	265	7	8.2	0	30.3	69
03/01/2023 08:40	6.2	265	6	8.2	0	30.5	68
03/01/2023 08:50	6.9	264	6	9.5	0	30.5	68
03/01/2023 09:00	7.1	265	8	8.8	0	31.3	66
03/01/2023 09:10	7.2	266	8	9.4	0	31.8	66
03/01/2023 09:20	7.2	264	8	9	0	32	66
03/01/2023 09:30	7.2	269	8	9.1	0	31.8	66
03/01/2023 09:40	7	273	9	9.3	0	32.3	65
03/01/2023 09:50	7	271	11	9.1	0	32.2	65
03/01/2023 10:00	6.7	274	10	9.2	0	32.3	66
03/01/2023 10:10	6	283	11	8.4	0	32.6	66
03/01/2023 10:20	6.3	282	12	9.2	0	32.5	66
03/01/2023 10:30	6.7	272	10	9	0	32.9	64
03/01/2023 10:40	7.2	280	10	9.7	0	32.9	65
03/01/2023 10:50	7.4	288	9	10.2	0	32.5	69
03/01/2023 11:00	7.6	286	8	10.5	0	32.3	69
03/01/2023 11:10	7.4	293	7	9.5	0	32.3	69
03/01/2023 11:20	7.8	285	8	10.1	0	32.3	69
03/01/2023 11:30	7.2	289	10	9.7	0	32.2	69
03/01/2023 11:40	7.9	294	7	10.4	0	32.2	69
03/01/2023 11:50	7.8	288	8	10.7	0	32.2	69
03/01/2023 12:00	7.6	287	9	10	0	32.2	69
03/01/2023 12:10	8	296	8	10.9	0	31.8	69
03/01/2023 12:20	8.4	281	10	11	0	32.2	69
03/01/2023 12:30	8.6	277	8	11.1	0	32.4	69
03/01/2023 12:40	8.4	273	10	11.2	0	32.7	68
03/01/2023 12:50	8.5	265	11	10.7	0	32.6	68
03/01/2023 13:00	8.1	268	8	10.7	0	32.7	67
03/01/2023 13:10	8.8	266	8	11.1	0	32.7	67
03/01/2023 13:20	9.3	272	9	12.4	0	32.5	68
03/01/2023 13:30	9.6	277	7	12.2	0	32	69
03/01/2023 13:40	9.3	275	8	12	0	32.2	69
03/01/2023 13:50	9.3	277	8	11.9	0	32.2	69
03/01/2023 14:00	9.5	279	8	12.1	0	32.2	69
03/01/2023 14:10	9.8	272	8	12.3	0	32	69
03/01/2023 14:20	9.1	282	7	11.7	0	32	69
03/01/2023 14:30	8.8	276	9	11.7	0	32.3	69
03/01/2023 14:40	8.4	276	10	11.2	0	32.2	69
03/01/2023 14:50	8.8	271	8	12.3	0	32.5	69
03/01/2023 15:00	8.3	276	9	11.2	0	32.2	69
03/01/2023 15:10	8.7	271	8	11.6	0	32.4	69
03/01/2023 15:20	8.9	275	9	11.5	0	32.3	69
03/01/2023 15:30	8.8	277	11	11.3	0	32.2	69
03/01/2023 15:40	8.2	273	8	11.1	0	32.4	69
03/01/2023 15:50	8.2	269	8	10.7	0	32.3	69
03/01/2023 16:00	8.1	275	9	12.3	0	32.3	69
03/01/2023 16:10	9.4	273	8	12.2	0	31.8	69
03/01/2023 16:20	8.8	269	8	11.3	0	31.8	69



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/01/2023 16:30	8.7	268	8	11.4	0	31.9	69
03/01/2023 16:40	8.3	271	9	11.1	0	32	69
03/01/2023 16:50	9.2	271	6	12	0	31.8	69
03/01/2023 17:00	8.9	267	7	11.2	0	31.6	69
03/01/2023 17:10	8.5	269	7	11.2	0	31.6	69
03/01/2023 17:20	8	278	8	11.4	0	31.7	68
03/01/2023 17:30	7.5	271	9	10.6	0	31.6	68
03/01/2023 17:40	8	271	9	10.8	0	31.6	67
03/01/2023 17:50	8	275	9	10.2	0	31.4	66
03/01/2023 18:00	7.7	268	7	10.4	0	31.3	66
03/01/2023 18:10	7.5	269	7	9.7	0	31.2	66
03/01/2023 18:20	6.9	268	7	9.7	0	31.1	66
03/01/2023 18:30	7.2	267	8	9.7	0	31	67
03/01/2023 18:40	7.7	263	7	10	0	30.8	67
03/01/2023 18:50	8	260	7	10.4	0	30.8	68
03/01/2023 19:00	7.8	264	6	9.9	0	30.8	68
03/01/2023 19:10	8.6	259	6	11	0	30.7	69
03/01/2023 19:20	8	254	8	11.7	0	30.8	69
03/01/2023 19:30	7	250	9	10	0	30.9	69
03/01/2023 19:40	6.6	225	11	9.8	0	31.2	68
03/01/2023 19:50	7.3	233	11	10.9	0	31.5	69
03/01/2023 20:00	6.1	235	10	9.6	0	31.5	69
03/01/2023 20:10	6.1	211	15	9.4	0	30.3	63
03/01/2023 20:20	5.5	205	12	10.6	0	29.8	57
03/01/2023 20:30	6.4	208	11	10.8	0	30.1	55
03/01/2023 20:40	5.9	215	11	9.5	0	30.7	52
03/01/2023 20:50	3.1	240	20	5.5	0	31.2	50
03/01/2023 21:00	3.6	275	16	5.3	0	31.1	49
03/01/2023 21:10	5.2	292	6	6.7	0	30.9	50
03/01/2023 21:20	3.9	280	8	5.3	0	31.1	50
03/01/2023 21:30	3.5	284	8	4.4	0	31	50
03/01/2023 21:40	3.2	276	6	4	0	31.1	50
03/01/2023 21:50	3.7	272	5	4.7	0	30.9	52
03/01/2023 22:00	2.4	276	6	3.2	0	30.7	54
03/01/2023 22:10	3.1	276	6	4	0	30.4	54
03/01/2023 22:20	4	275	7	5.7	0	30.4	59
03/01/2023 22:30	3.1	265	6	3.9	0	30.4	64
03/01/2023 22:40	3.6	263	4	4.8	0	30.2	63
03/01/2023 22:50	3.2	267	4	4.1	0	30	63
03/01/2023 23:00	4.5	262	8	5.7	0	30.3	67
03/01/2023 23:10	3.5	245	13	4.8	0	30.4	68
03/01/2023 23:20	3.7	258	8	5.2	0	30.2	68
03/01/2023 23:30	4.5	266	5	6.2	0	30.1	69
03/01/2023 23:40	5.4	265	6	7.9	0	30.2	69
03/01/2023 23:50	4	266	5	5.2	0	30	68
03/02/2023 00:00	4	263	4	5.1	0	29.9	64
03/02/2023 00:10	3.5	258	7	5.1	0	29.8	66
03/02/2023 00:20	3.7	261	6	5	0	29.7	69



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/02/2023 00:30	4.4	262	6	5.6	0	29.7	69
03/02/2023 00:40	4.2	262	7	5.6	0	29.7	68
03/02/2023 00:50	4.2	260	7	5.8	0	29.7	67
03/02/2023 01:00	4.5	266	6	5.5	0	29.6	68
03/02/2023 01:10	4.4	266	6	5.7	0	29.6	69
03/02/2023 01:20	3.9	270	5	5.1	0	29.6	69
03/02/2023 01:30	4.5	265	4	5.3	0	29.5	69
03/02/2023 01:40	4	258	4	4.7	0	29.3	69
03/02/2023 01:50	3.7	266	6	5	0	29.2	70
03/02/2023 02:00	4	265	5	5.3	0	29.4	70
03/02/2023 02:10	4	263	6	5.2	0	29.5	70
03/02/2023 02:20	3.6	262	6	5	0	29.5	70
03/02/2023 02:30	3.7	260	6	4.6	0	29.4	70
03/02/2023 02:40	3.6	258	6	4.4	0	29.4	70
03/02/2023 02:50	3.6	260	5	4.4	0	29.1	70
03/02/2023 03:00	3.3	262	6	4.2	0	29.1	70
03/02/2023 03:10	3.6	262	4	4.3	0	29.1	70
03/02/2023 03:20	3.4	261	6	4.6	0	29.1	70
03/02/2023 03:30	3.4	262	5	4.2	0	29.1	70
03/02/2023 03:40	3	264	5	3.7	0	29.1	70
03/02/2023 03:50	2.9	264	5	3.4	0	29	69
03/02/2023 04:00	3	264	4	3.4	0	28.9	69
03/02/2023 04:10	2.7	264	4	3.2	0	28.8	69
03/02/2023 04:20	2.4	269	5	2.8	0	28.7	69
03/02/2023 04:30	2.6	263	4	3.1	0	28.6	68
03/02/2023 04:40	2.8	260	4	3.5	0	28.5	69
03/02/2023 04:50	2.4	260	7	3.2	0	28.5	69
03/02/2023 05:00	1.4	273	9	2	0	28.4	69
03/02/2023 05:10	0.7	258	29	1.1	0	28.3	69
03/02/2023 05:20	1.3	244	20	1.9	0	28.3	69
03/02/2023 05:30	1.3	277	12	1.9	0	28.4	70
03/02/2023 05:40	1.4	282	9	1.9	0	28.5	70
03/02/2023 05:50	2	275	5	2.4	0	28.8	69
03/02/2023 06:00	2	275	5	2.4	0	28.9	69
03/02/2023 06:10	2	275	3	2.2	0	28.8	70
03/02/2023 06:20	1.8	270	4	2	0	28.7	70
03/02/2023 06:30	1.3	267	33	1.7	0	28.8	70
03/02/2023 06:40	0.6	139	28	0.9	0	28.7	70
03/02/2023 06:50	0.4	181	74	0.6	0	28.8	70
03/02/2023 07:00	0.9	237	9	1.4	0	29	70
03/02/2023 07:10	0.9	268	19	1.3	0	29	70
03/02/2023 07:20	0.8	260	14	1	0	29.1	70
03/02/2023 07:30	1.2	238	12	1.6	0	29.4	70
03/02/2023 07:40	2.2	256	7	2.8	0	30	68
03/02/2023 07:50	2.1	253	11	2.8	0	30.8	67
03/02/2023 08:00	3.1	262	10	4.4	0	31.7	65
03/02/2023 08:10	4.1	259	7	5	0	32	64
03/02/2023 08:20	4.3	263	8	5.5	0	32.3	60



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/02/2023 08:30	3.5	260	12	4.4	0	32.9	59
03/02/2023 08:40	2.7	246	18	5	0	33.7	54
03/02/2023 08:50	2.7	203	17	4.8	0	34.1	49
03/02/2023 09:00	3.4	184	18	5.1	0	34.1	47
03/02/2023 09:10	3.4	191	24	5.1	0	33.8	47
03/02/2023 09:20	3	196	14	5.5	0	33.7	49
03/02/2023 09:30	3.2	203	13	5.1	0	33.8	50
03/02/2023 09:40	2.6	200	16	4.4	0	34	51
03/02/2023 09:50	2.3	176	21	3.9	0	34.4	51
03/02/2023 10:00	1.5	161	34	3	0	35.3	48
03/02/2023 10:10	1.6	176	24	2.8	0	35.8	47
03/02/2023 10:20	2.3	164	20	3.8	0	36	45
03/02/2023 10:30	1.7	161	34	3.6	0	36.7	42
03/02/2023 10:40	2	171	33	3.5	0	36.8	42
03/02/2023 10:50	2	117	21	3.2	0	37.9	39
03/02/2023 11:00	1.9	110	31	3.1	0	37.7	39
03/02/2023 11:10	2.3	297	57	4.6	0	37.5	43
03/02/2023 11:20	3.6	347	11	5	0	36	49
03/02/2023 11:30	4.6	326	9	6.7	0	35.8	49
03/02/2023 11:40	6	330	10	8	0	34.9	57
03/02/2023 11:50	5.6	318	11	7.4	0	34.5	59
03/02/2023 12:00	5.5	323	11	7.8	0	35	58
03/02/2023 12:10	5.6	317	13	8.2	0	35	58
03/02/2023 12:20	5.7	316	11	7.9	0	34.8	58
03/02/2023 12:30	6.4	316	10	8.1	0	34.4	59
03/02/2023 12:40	5.4	300	13	8.2	0	34.9	58
03/02/2023 12:50	5.7	296	11	8.7	0	34.7	59
03/02/2023 13:00	6.3	291	9	8.8	0	34.6	58
03/02/2023 13:10	6.2	290	9	8.2	0	34.7	58
03/02/2023 13:20	6.8	293	7	9	0	34.5	59
03/02/2023 13:30	6.7	297	8	9.1	0	34.3	58
03/02/2023 13:40	6.5	295	8	8.2	0.1	34.1	60
03/02/2023 13:50	6.4	280	12	9.1	0	34.8	61
03/02/2023 14:00	7.9	268	8	10	0	34.3	63
03/02/2023 14:10	8	266	8	10.6	0	34.5	62
03/02/2023 14:20	7.8	269	10	10.1	0	34.2	63
03/02/2023 14:30	7.4	274	9	10.2	0	34.4	62
03/02/2023 14:40	7.8	269	9	10.1	0	34	63
03/02/2023 14:50	8.2	268	8	10.2	0	34	64
03/02/2023 15:00	8.4	268	9	10.6	0	34.2	63
03/02/2023 15:10	8.3	270	7	11.1	0	33.7	67
03/02/2023 15:20	8.5	266	6	10.8	0	33.5	68
03/02/2023 15:30	8.8	266	8	11.2	0	33.2	69
03/02/2023 15:40	8.7	267	8	11	0	33.1	69
03/02/2023 15:50	8.2	271	9	11.2	0	33.3	68
03/02/2023 16:00	8.3	271	9	11.8	0	33.1	69
03/02/2023 16:10	8.7	271	6	11.1	0	33	68
03/02/2023 16:20	8.2	270	8	11.2	0	33	68





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/02/2023 16:30	8.6	268	7	11.4	0	33	66
03/02/2023 16:40	8.3	275	7	11.6	0	33.2	66
03/02/2023 16:50	7.9	269	8	10.5	0	33.4	65
03/02/2023 17:00	8	271	8	10.5	0	33.1	68
03/02/2023 17:10	7.8	269	7	9.9	0	33.1	69
03/02/2023 17:20	7.7	268	7	10.7	0	33	70
03/02/2023 17:30	8.4	272	8	10.7	0	32.6	70
03/02/2023 17:40	8	271	7	10.7	0	32.3	69
03/02/2023 17:50	7.4	272	7	10.3	0	32.2	69
03/02/2023 18:00	8.4	269	6	10.6	0	31.9	68
03/02/2023 18:10	7.8	271	6	10.5	0	31.6	67
03/02/2023 18:20	8.4	270	5	10.7	0	31.4	66
03/02/2023 18:30	8.2	269	6	10.7	0	31.1	65
03/02/2023 18:40	7.9	277	8	10	0	30.9	64
03/02/2023 18:50	7.2	255	9	9.7	0	30.9	63
03/02/2023 19:00	6.3	252	9	8.6	0	31	61
03/02/2023 19:10	5.9	252	14	8.9	0	31	59
03/02/2023 19:20	6.4	268	6	8.4	0	31	60
03/02/2023 19:30	6	263	7	7.6	0	31.1	61
03/02/2023 19:40	6	273	8	7.8	0	31.1	62
03/02/2023 19:50	6.5	274	8	8.7	0	31.1	63
03/02/2023 20:00	6.1	279	8	8.4	0	31.2	64
03/02/2023 20:10	6.6	271	10	8.9	0	31.2	64
03/02/2023 20:20	4.8	223	19	6.9	0	31.3	64
03/02/2023 20:30	4.8	241	11	6.6	0	31.4	65
03/02/2023 20:40	4.7	250	11	6.5	0	31.5	67
03/02/2023 20:50	4.5	239	13	7.3	0	31.6	68
03/02/2023 21:00	6.9	196	9	9.4	0	30.4	62
03/02/2023 21:10	4.4	202	11	6.6	0	30.4	63
03/02/2023 21:20	6.3	202	9	9.3	0	29.9	66
03/02/2023 21:30	6.2	201	10	9.1	0	29.6	68
03/02/2023 21:40	6.1	194	10	8.4	0	29.4	68
03/02/2023 21:50	6.3	199	11	9.4	0	28.9	69
03/02/2023 22:00	5.8	218	11	9.6	0	29	68
03/02/2023 22:10	4.5	232	16	6.8	0	29.2	68
03/02/2023 22:20	3.9	229	16	6	0	29.2	67
03/02/2023 22:30	3.7	231	15	5.1	0	29.5	64
03/02/2023 22:40	4.4	266	7	5.8	0	29.5	64
03/02/2023 22:50	3.9	280	8	5.2	0	29.5	63
03/02/2023 23:00	3.3	279	8	4.7	0	30	59
03/02/2023 23:10	3.1	277	13	4.3	0	30.1	59
03/02/2023 23:20	4	298	6	5.1	0	30	61
03/02/2023 23:30	2.9	293	6	3.7	0	29.9	61
03/02/2023 23:40	1.6	273	24	2.9	0	29.8	62
03/02/2023 23:50	2.4	293	8	3.3	0	29.7	64
03/03/2023 00:00	3.1	296	5	4.2	0	29.5	68
03/03/2023 00:10	2.9	324	8	3.6	0	29.5	68
03/03/2023 00:20	2.8	303	11	3.7	0	29.9	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/03/2023 00:30	3.7	314	7	4.8	0	30.1	66
03/03/2023 00:40	3.2	300	10	4.4	0	30.4	68
03/03/2023 00:50	4.3	292	8	5.8	0	30.5	67
03/03/2023 01:00	4.3	294	9	6.1	0	30.4	69
03/03/2023 01:10	3.7	289	8	5.3	0	30.3	69
03/03/2023 01:20	4	294	8	5.5	0	30.2	69
03/03/2023 01:30	4	288	9	5.7	0	30.3	69
03/03/2023 01:40	5.1	286	7	7.1	0	30.2	69
03/03/2023 01:50	4.6	283	7	6.3	0	29.9	67
03/03/2023 02:00	5.8	293	9	8	0	29.9	64
03/03/2023 02:10	5.4	290	8	7.6	0	30	58
03/03/2023 02:20	4.9	291	11	7	0	29.9	54
03/03/2023 02:30	4.5	290	9	6.6	0	29.9	51
03/03/2023 02:40	3.7	282	10	5.7	0	29.9	49
03/03/2023 02:50	3.6	273	6	4.6	0	29.8	47
03/03/2023 03:00	3.8	276	7	5	0	29.7	47
03/03/2023 03:10	3.5	273	6	4.5	0	29.7	48
03/03/2023 03:20	3.5	277	7	4.7	0	29.7	48
03/03/2023 03:30	2.5	289	9	3.5	0	29.7	49
03/03/2023 03:40	2.5	293	9	3.5	0	29.7	49
03/03/2023 03:50	1.9	296	15	3	0	29.7	50
03/03/2023 04:00	2	327	14	3.4	0	29.7	51
03/03/2023 04:10	2.8	326	14	4.2	0	29.7	51
03/03/2023 04:20	3.8	332	9	5.2	0	29.7	51
03/03/2023 04:30	4.5	325	10	6.4	0	29.6	49
03/03/2023 04:40	5.1	310	9	7.6	0	29.4	45
03/03/2023 04:50	5.3	323	10	8.1	0	29.3	44
03/03/2023 05:00	6	327	11	9.8	0	29.3	43
03/03/2023 05:10	6.4	341	12	9.2	0.1	28.4	46
03/03/2023 05:20	5.7	339	12	9.3	0	28.4	49
03/03/2023 05:30	6.3	316	9	9.2	0	28.7	51
03/03/2023 05:40	5.1	318	11	8.5	0	28.6	53
03/03/2023 05:50	4.3	310	10	6.1	0	28.7	54
03/03/2023 06:00	4.5	324	9	6.6	0	28.8	56
03/03/2023 06:10	5.3	308	9	7.4	0	28.7	58
03/03/2023 06:20	5	318	11	7	0	28.8	59
03/03/2023 06:30	4.5	298	11	6.3	0	28.9	59
03/03/2023 06:40	5	277	9	6.6	0	29	60
03/03/2023 06:50	5.4	284	8	7.4	0	29.1	61
03/03/2023 07:00	5.9	277	7	7.7	0	29.2	60
03/03/2023 07:10	5.3	275	7	7.7	0	29.3	59
03/03/2023 07:20	5.8	273	6	8.1	0	29.4	59
03/03/2023 07:30	6.2	276	7	8.1	0	29.4	59
03/03/2023 07:40	5.9	282	7	7.9	0	29.5	59
03/03/2023 07:50	5.6	279	7	8.1	0	29.6	59
03/03/2023 08:00	5.9	278	8	8.1	0	29.9	60
03/03/2023 08:10	5.6	286	9	7.5	0	30	62
03/03/2023 08:20	4.6	291	9	6.3	0	30.1	62



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/03/2023 08:30	4.6	292	11	6.3	0	30.5	63
03/03/2023 08:40	4.8	294	11	6.8	0	30.6	64
03/03/2023 08:50	5	286	10	6.6	0	30.7	64
03/03/2023 09:00	5.5	279	9	7.3	0	31	65
03/03/2023 09:10	6.1	277	9	8.1	0	31.4	67
03/03/2023 09:20	5.9	287	9	7.9	0	31.5	67
03/03/2023 09:30	5.6	288	9	7.2	0	31.3	67
03/03/2023 09:40	5.5	286	11	7.3	0	31.1	67
03/03/2023 09:50	5.7	289	8	7.4	0	31.3	68
03/03/2023 10:00	6	287	8	8.2	0	31.3	68
03/03/2023 10:10	6.1	283	9	8.2	0	31.6	68
03/03/2023 10:20	7.1	288	7	9.3	0	31.4	68
03/03/2023 10:30	6.1	297	9	8.8	0	31.5	68
03/03/2023 10:40	5.7	296	9	8.4	0	31.8	68
03/03/2023 10:50	5.7	294	10	7.6	0	31.9	68
03/03/2023 11:00	5.9	301	11	8.3	0	32	68
03/03/2023 11:10	5.5	288	15	7.3	0	32.2	68
03/03/2023 11:20	6.1	269	9	8.5	0	32.2	68
03/03/2023 11:30	6.4	266	10	8.2	0	32.3	68
03/03/2023 11:40	6.2	270	12	8.4	0	32.5	68
03/03/2023 11:50	6.5	274	12	8.8	0	32.2	69
03/03/2023 12:00	6.3	272	12	9.6	0	32.8	68
03/03/2023 12:10	6.6	274	11	8.8	0	32.6	68
03/03/2023 12:20	7.2	269	9	9.3	0	32.6	68
03/03/2023 12:30	7	272	9	10.1	0	32.7	68
03/03/2023 12:40	7.1	268	10	9.3	0	32.7	68
03/03/2023 12:50	6.9	272	10	9	0	33	68
03/03/2023 13:00	7.2	269	10	9.4	0	32.8	68
03/03/2023 13:10	7.5	267	9	10	0	32.6	68
03/03/2023 13:20	7.5	269	11	10.4	0	32.7	68
03/03/2023 13:30	7.8	276	7	10.4	0	32.6	68
03/03/2023 13:40	8.4	273	8	10.9	0	32.6	68
03/03/2023 13:50	7.6	272	9	9.9	0	33	67
03/03/2023 14:00	8.3	267	9	10.6	0	32.7	68
03/03/2023 14:10	8.2	269	11	10.6	0	32.6	68
03/03/2023 14:20	8.2	269	8	10.5	0	32.7	68
03/03/2023 14:30	8.5	270	8	11.1	0	32.5	68
03/03/2023 14:40	8.2	267	9	11.1	0	32.7	68
03/03/2023 14:50	8.2	266	8	10.6	0	32.5	68
03/03/2023 15:00	8.1	265	7	10.3	0	32.5	67
03/03/2023 15:10	8	265	8	10.2	0	32.7	65
03/03/2023 15:20	8.1	271	7	10.8	0	32.7	67
03/03/2023 15:30	7.6	270	10	10.3	0	32.7	67
03/03/2023 15:40	7.8	270	9	10.6	0	32.9	67
03/03/2023 15:50	8.3	272	6	10.8	0	32.4	68
03/03/2023 16:00	8.5	270	8	10.8	0	32.3	68
03/03/2023 16:10	8.7	267	5	10.6	0	32	69
03/03/2023 16:20	8.4	267	7	10.5	0	32.1	68



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/03/2023 16:30	8.4	269	8	10.4	0	32.2	68
03/03/2023 16:40	8.3	269	8	10.5	0	32	69
03/03/2023 16:50	7.5	271	9	9.6	0	32.2	68
03/03/2023 17:00	7.9	269	7	9.9	0	32	68
03/03/2023 17:10	7.5	269	7	9.8	0	32	69
03/03/2023 17:20	7.4	268	8	10.2	0	31.9	68
03/03/2023 17:30	7.5	267	9	9.5	0	31.7	69
03/03/2023 17:40	7.5	269	7	9.9	0	31.5	69
03/03/2023 17:50	7	272	9	9.9	0	31.6	69
03/03/2023 18:00	7.3	272	7	10.3	0	31.4	70
03/03/2023 18:10	7	269	7	8.9	0	31.2	70
03/03/2023 18:20	7.5	269	6	9.4	0	30.9	70
03/03/2023 18:30	7.1	272	7	9.4	0	30.7	70
03/03/2023 18:40	7.4	269	5	9.8	0	30.5	70
03/03/2023 18:50	6.5	270	6	8.3	0	30.4	70
03/03/2023 19:00	6.9	270	6	9	0	30.3	70
03/03/2023 19:10	6.9	273	7	9.2	0	30.3	70
03/03/2023 19:20	6.8	277	7	8.7	0	30.2	70
03/03/2023 19:30	6.8	273	7	9.3	0	30.2	69
03/03/2023 19:40	7.1	272	5	9.2	0	30.1	69
03/03/2023 19:50	7.1	278	6	9.4	0	30.1	69
03/03/2023 20:00	7.1	275	7	9.3	0	30.1	68
03/03/2023 20:10	6.9	275	7	10	0	30.1	68
03/03/2023 20:20	6.9	275	7	9.4	0	30	68
03/03/2023 20:30	7	278	7	9.5	0	30	69
03/03/2023 20:40	7.2	273	7	9.4	0	30.1	69
03/03/2023 20:50	6.9	274	7	9.1	0	30.2	69
03/03/2023 21:00	7.5	276	6	9.7	0	30.1	68
03/03/2023 21:10	6.8	274	7	9.7	0	30	67
03/03/2023 21:20	7.4	272	7	10	0	30	65
03/03/2023 21:30	6.6	276	6	9.1	0	29.9	65
03/03/2023 21:40	6.8	263	8	9.2	0	30	65
03/03/2023 21:50	7	266	7	9.2	0	30.1	62
03/03/2023 22:00	6.7	273	7	8.6	0	30	60
03/03/2023 22:10	6.2	276	7	8.4	0	30	59
03/03/2023 22:20	6	270	7	8.9	0	30	58
03/03/2023 22:30	5.9	278	7	8.4	0	30	56
03/03/2023 22:40	6.1	282	8	8.9	0	29.9	54
03/03/2023 22:50	6.6	281	6	8.6	0	29.8	53
03/03/2023 23:00	6.8	278	7	9.3	0	29.8	53
03/03/2023 23:10	6.8	273	7	9.8	0	29.8	53
03/03/2023 23:20	7.2	271	7	10.1	0	29.8	54
03/03/2023 23:30	7.2	264	7	10.5	0	29.8	57
03/03/2023 23:40	6.7	264	7	9.2	0	29.8	59
03/03/2023 23:50	6.4	261	7	9	0	29.8	60
03/04/2023 00:00	7	269	7	10.1	0	29.8	61
03/04/2023 00:10	6.6	268	8	9	0	29.9	61
03/04/2023 00:20	6.9	270	8	9.3	0	29.9	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/04/2023 00:30	6.3	273	7	9.1	0	29.9	62
03/04/2023 00:40	7.1	275	8	9.5	0	29.8	62
03/04/2023 00:50	7.8	272	8	10.5	0	29.8	62
03/04/2023 01:00	7.3	268	8	10.5	0	29.8	62
03/04/2023 01:10	7.2	269	6	9.9	0	29.8	63
03/04/2023 01:20	7.5	264	6	10.4	0	29.8	63
03/04/2023 01:30	7.9	266	6	10.9	0	29.8	63
03/04/2023 01:40	7.3	262	8	10	0	29.8	62
03/04/2023 01:50	7.1	255	8	9.5	0	29.7	63
03/04/2023 02:00	7.4	261	8	9.8	0	29.7	64
03/04/2023 02:10	6.6	270	7	8.8	0	29.7	63
03/04/2023 02:20	6.2	274	6	9.2	0	29.6	63
03/04/2023 02:30	6.6	281	7	8.9	0	29.6	62
03/04/2023 02:40	6.6	271	7	9.5	0	29.5	63
03/04/2023 02:50	5.8	268	7	8.4	0	29.6	62
03/04/2023 03:00	5.3	265	8	7.5	0	29.6	61
03/04/2023 03:10	5.3	267	9	8	0	29.5	60
03/04/2023 03:20	5.7	275	8	7.8	0	29.4	60
03/04/2023 03:30	4.6	273	7	6.7	0	29.5	59
03/04/2023 03:40	5.1	283	8	7.2	0	29.4	59
03/04/2023 03:50	6	279	7	7.8	0	29.3	59
03/04/2023 04:00	5.7	281	8	7.7	0	29.3	58
03/04/2023 04:10	5	284	8	7.1	0	29.2	57
03/04/2023 04:20	5.5	294	8	7.1	0	29.2	55
03/04/2023 04:30	5.6	295	7	7.4	0	29	53
03/04/2023 04:40	5.5	293	8	7.1	0	29	53
03/04/2023 04:50	4.6	290	8	6.8	0	29	52
03/04/2023 05:00	4.4	284	9	5.6	0	28.9	52
03/04/2023 05:10	4.2	280	10	6	0	28.9	53
03/04/2023 05:20	3.4	280	8	4.7	0	29	52
03/04/2023 05:30	3.4	286	9	4.8	0	28.9	52
03/04/2023 05:40	4.3	282	7	5.8	0	28.9	51
03/04/2023 05:50	4.3	284	7	5.9	0	28.9	51
03/04/2023 06:00	5.1	288	8	7.3	0	28.9	51
03/04/2023 06:10	4.9	281	6	6.4	0	28.9	51
03/04/2023 06:20	5.3	280	7	7.1	0	28.9	51
03/04/2023 06:30	6.3	279	7	8.4	0	28.9	52
03/04/2023 06:40	5.5	282	8	7.6	0	29	53
03/04/2023 06:50	5.7	287	8	8.6	0	29.1	55
03/04/2023 07:00	5	287	9	7.1	0	29.3	56
03/04/2023 07:10	5.2	285	10	8	0	29.4	58
03/04/2023 07:20	5.1	279	9	7.3	0	29.8	59
03/04/2023 07:30	5.9	276	8	8	0	29.9	61
03/04/2023 07:40	6.3	276	7	8.7	0	30	62
03/04/2023 07:50	6.1	277	9	8.6	0	30.3	63
03/04/2023 08:00	5.9	276	9	8.3	0	30.6	65
03/04/2023 08:10	6.6	274	7	9	0	30.6	66
03/04/2023 08:20	6.8	275	8	8.7	0	30.6	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/04/2023 08:30	7.1	279	7	9.1	0	30.7	66
03/04/2023 08:40	6.9	268	7	9.1	0	30.8	66
03/04/2023 08:50	7	277	7	8.7	0	31.1	67
03/04/2023 09:00	6.7	276	11	9	0	31.3	68
03/04/2023 09:10	7	281	7	9	0	31	68
03/04/2023 09:20	7.2	274	8	10.8	0	31.2	68
03/04/2023 09:30	7.5	279	8	9.1	0	31.3	68
03/04/2023 09:40	7.1	276	10	9	0	31.5	68
03/04/2023 09:50	6.9	276	8	9.2	0	31.6	68
03/04/2023 10:00	6.9	274	9	9.5	0	31.7	68
03/04/2023 10:10	6.7	278	8	9	0	31.8	68
03/04/2023 10:20	7.3	270	8	9.7	0	31.7	69
03/04/2023 10:30	7.1	274	9	9.2	0	31.7	69
03/04/2023 10:40	6.8	279	9	9.5	0	32	68
03/04/2023 10:50	7.4	278	8	9.9	0	31.8	69
03/04/2023 11:00	7.2	276	9	9.3	0	32.1	69
03/04/2023 11:10	7.5	269	7	9.9	0	32.1	69
03/04/2023 11:20	7.7	269	9	9.9	0	32	69
03/04/2023 11:30	7.4	280	9	10	0	32.1	69
03/04/2023 11:40	7.6	274	8	10.3	0	32.3	69
03/04/2023 11:50	7.9	280	10	10.3	0	32.2	69
03/04/2023 12:00	7.5	276	11	10.2	0	32.5	68
03/04/2023 12:10	7.6	277	9	10.6	0	32.8	68
03/04/2023 12:20	7.4	273	8	9.9	0	32.9	68
03/04/2023 12:30	7.8	270	9	10.5	0	32.9	68
03/04/2023 12:40	8.8	269	7	11.2	0	32.4	69
03/04/2023 12:50	8.2	273	9	11.3	0	32.7	68
03/04/2023 13:00	7.5	269	10	9.9	0	32.9	68
03/04/2023 13:10	7.9	267	8	10.5	0	32.9	67
03/04/2023 13:20	7.6	262	9	9.9	0	33.2	67
03/04/2023 13:30	7.6	269	12	9.9	0	33.2	66
03/04/2023 13:40	7.9	273	9	10.4	0	33.1	66
03/04/2023 13:50	7.6	269	9	10.2	0	33.1	67
03/04/2023 14:00	7.4	271	10	10	0	33.5	66
03/04/2023 14:10	7.8	269	8	9.9	0	33	67
03/04/2023 14:20	8.4	269	6	10.7	0	33	67
03/04/2023 14:30	7.8	274	8	9.8	0	33.1	68
03/04/2023 14:40	7.9	288	9	11.1	0	32.5	70
03/04/2023 14:50	7.7	288	9	10.2	0	32.6	69
03/04/2023 15:00	8	286	8	10.7	0	32.3	70
03/04/2023 15:10	8.3	292	7	10.7	0	32.2	70
03/04/2023 15:20	8.1	286	8	10.8	0	32.4	69
03/04/2023 15:30	8	285	7	10.6	0	32.3	69
03/04/2023 15:40	7.9	287	9	10.7	0	32	70
03/04/2023 15:50	7.9	286	8	10.6	0	31.9	70
03/04/2023 16:00	7.9	287	7	10.4	0	32.1	70
03/04/2023 16:10	8	289	8	10.4	0	31.9	70
03/04/2023 16:20	7.9	290	9	10.8	0	31.8	70



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/04/2023 16:30	7.8	291	7	11	0	31.6	70
03/04/2023 16:40	7.6	285	8	10.2	0	31.7	70
03/04/2023 16:50	7.4	287	10	10.4	0	31.7	70
03/04/2023 17:00	7.5	289	8	10.7	0	31.5	70
03/04/2023 17:10	7.3	290	9	10.2	0	31.4	70
03/04/2023 17:20	6.5	300	11	9.6	0	31.4	70
03/04/2023 17:30	6.2	293	12	8.7	0	31.2	70
03/04/2023 17:40	6.4	303	13	10.1	0	31.1	69
03/04/2023 17:50	6.8	290	9	10	0	31	69
03/04/2023 18:00	7.5	289	8	10.3	0	30.6	68
03/04/2023 18:10	8.4	286	7	11.5	0	30.4	67
03/04/2023 18:20	7.5	292	7	10.5	0	30.2	65
03/04/2023 18:30	8	290	7	10.6	0	30	63
03/04/2023 18:40	8	287	9	10.6	0	29.9	61
03/04/2023 18:50	7.9	287	8	10.7	0	29.8	60
03/04/2023 19:00	7.7	286	8	10.1	0	29.7	58
03/04/2023 19:10	8.3	285	8	11.1	0	29.6	57
03/04/2023 19:20	7.7	285	7	10.4	0	29.7	56
03/04/2023 19:30	8.2	287	7	11.3	0	29.6	54
03/04/2023 19:40	7.7	288	9	11.3	0	29.6	53
03/04/2023 19:50	8.1	291	7	10.6	0	29.5	53
03/04/2023 20:00	8.3	285	8	10.9	0	29.4	53
03/04/2023 20:10	7.1	288	9	9.7	0	29.4	53
03/04/2023 20:20	6.4	288	8	10	0	29.5	52
03/04/2023 20:30	7.2	279	7	9.9	0	29.5	52
03/04/2023 20:40	7.3	289	9	9.6	0	29.4	51
03/04/2023 20:50	6.6	279	8	9	0	29.4	51
03/04/2023 21:00	6.2	284	9	9.1	0	29.4	51
03/04/2023 21:10	6.7	287	8	8.5	0	29.4	51
03/04/2023 21:20	6.2	289	9	9.2	0	29.4	51
03/04/2023 21:30	6.5	285	9	8.6	0	29.4	51
03/04/2023 21:40	6.8	289	6	9.3	0	29.3	51
03/04/2023 21:50	6.4	285	8	9.3	0	29.4	51
03/04/2023 22:00	6.9	283	8	9.2	0	29.3	52
03/04/2023 22:10	6.3	283	8	9.3	0	29.3	53
03/04/2023 22:20	6	285	8	8.2	0	29.3	53
03/04/2023 22:30	6.8	288	8	9.3	0	29.3	53
03/04/2023 22:40	5.8	283	8	8.5	0	29.3	52
03/04/2023 22:50	6.6	282	9	9.1	0	29.3	52
03/04/2023 23:00	6	287	10	8.1	0	29.3	52
03/04/2023 23:10	5.7	284	9	8.4	0	29.3	51
03/04/2023 23:20	4.6	287	10	6.7	0	29.3	51
03/04/2023 23:30	4	274	10	5.7	0	29.4	50
03/04/2023 23:40	2.6	274	9	4.1	0	29.4	50
03/04/2023 23:50	1.2	211	63	2.5	0	29.5	51
03/05/2023 00:00	1.6	292	20	2.9	0	29.5	52
03/05/2023 00:10	1	124	74	2.1	0	29.5	53
03/05/2023 00:20	1.8	58	9	2.5	0	29.6	53



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/05/2023 00:30	1.4	69	11	2.1	0	29.5	53
03/05/2023 00:40	1.8	33	8	2.5	0	29.5	53
03/05/2023 00:50	2.5	182	8	3.3	0	29.4	53
03/05/2023 01:00	2.5	335	7	3.4	0	29.3	54
03/05/2023 01:10	2.6	312	11	3.9	0	29.3	54
03/05/2023 01:20	2.7	293	11	4	0	29.3	54
03/05/2023 01:30	2.4	293	12	3.4	0	29.3	54
03/05/2023 01:40	1.8	307	11	2.9	0	29.2	54
03/05/2023 01:50	1.4	313	11	2.4	0	29.3	54
03/05/2023 02:00	2	336	11	2.5	0	29.3	54
03/05/2023 02:10	2.3	179	6	2.9	0	29.3	55
03/05/2023 02:20	2.1	178	8	2.7	0	29.2	55
03/05/2023 02:30	1.9	179	10	2.5	0	29.2	55
03/05/2023 02:40	1.8	331	10	2.3	0	29.2	56
03/05/2023 02:50	2.1	306	10	3.1	0	29.2	56
03/05/2023 03:00	1.8	175	23	2.9	0	29.2	56
03/05/2023 03:10	2.1	180	15	3.5	0	29.2	55
03/05/2023 03:20	1.9	346	10	2.8	0	29.1	55
03/05/2023 03:30	2.6	338	7	3.4	0	29.1	55
03/05/2023 03:40	2.2	179	11	3	0	29.1	55
03/05/2023 03:50	2.5	172	10	3.2	0	29.1	55
03/05/2023 04:00	3	316	10	3.9	0	29.1	54
03/05/2023 04:10	3.7	311	9	5.3	0	29.1	53
03/05/2023 04:20	3.6	310	9	5.3	0	29.1	54
03/05/2023 04:30	3.8	313	9	5.1	0	29.1	54
03/05/2023 04:40	3.6	312	8	4.8	0	29	53
03/05/2023 04:50	3.7	309	10	5.7	0	29	53
03/05/2023 05:00	3.2	311	10	5.1	0	29	52
03/05/2023 05:10	3.2	310	10	4.4	0	29	52
03/05/2023 05:20	2.9	295	12	4.2	0	29	53
03/05/2023 05:30	2.7	294	14	4	0	29	52
03/05/2023 05:40	2.2	289	13	3.4	0	28.9	52
03/05/2023 05:50	2.7	307	10	4.3	0	28.9	52
03/05/2023 06:00	2.8	313	11	3.9	0	28.9	53
03/05/2023 06:10	3	318	9	4.1	0	28.8	54
03/05/2023 06:20	3	319	10	4.5	0	28.8	55
03/05/2023 06:30	3.2	318	11	5	0	28.9	57
03/05/2023 06:40	2.9	307	12	4.4	0	29	58
03/05/2023 06:50	2.6	313	13	4.1	0	29.2	60
03/05/2023 07:00	3.4	310	14	4.9	0	29.5	61
03/05/2023 07:10	3.5	312	12	5.1	0	29.7	62
03/05/2023 07:20	4.4	317	11	6.2	0	29.7	64
03/05/2023 07:30	4.5	313	10	6.2	0	29.8	65
03/05/2023 07:40	4.9	313	8	6.6	0	29.9	65
03/05/2023 07:50	4.5	315	10	6.3	0	30.1	66
03/05/2023 08:00	4.4	314	11	6.2	0	30.2	67
03/05/2023 08:10	4.8	316	9	6.7	0	30.3	67
03/05/2023 08:20	5.1	313	8	6.6	0	30.4	67





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/05/2023 08:30	5.7	308	8	7.8	0	30.3	67
03/05/2023 08:40	5.3	304	11	7.2	0	30.4	68
03/05/2023 08:50	4.6	309	13	7.4	0	30.7	68
03/05/2023 09:00	5.2	301	13	7.4	0	30.8	68
03/05/2023 09:10	6	290	10	8.1	0	30.8	68
03/05/2023 09:20	5.5	289	12	8	0	31	69
03/05/2023 09:30	5.7	281	13	7.5	0	31.1	69
03/05/2023 09:40	5.9	290	10	8.3	0	31	69
03/05/2023 09:50	5.8	286	10	8	0	31.1	69
03/05/2023 10:00	6.1	294	9	8	0	30.9	69
03/05/2023 10:10	5.9	289	11	8.1	0	31.2	69
03/05/2023 10:20	5.4	288	9	7.5	0	31.5	69
03/05/2023 10:30	5.8	290	10	8.6	0	31.4	69
03/05/2023 10:40	5.4	287	10	8.1	0	31.7	69
03/05/2023 10:50	6.1	287	9	8.3	0	31.6	69
03/05/2023 11:00	6.1	291	9	8.3	0	31.7	69
03/05/2023 11:10	6	287	9	8.4	0	31.8	69
03/05/2023 11:20	6.2	287	8	8.3	0	31.8	69
03/05/2023 11:30	5.7	286	9	8.2	0	32	69
03/05/2023 11:40	6	290	10	8.5	0	31.9	69
03/05/2023 11:50	6.3	287	9	8.9	0	32	68
03/05/2023 12:00	6.2	289	8	8.7	0	32	69
03/05/2023 12:10	6	293	9	8.3	0	32	68
03/05/2023 12:20	6	289	9	9.5	0	32.1	68
03/05/2023 12:30	6.6	287	9	8.9	0	32.2	68
03/05/2023 12:40	6.2	287	11	8.8	0	32.2	69
03/05/2023 12:50	6.4	283	9	8.9	0	32.2	69
03/05/2023 13:00	6.3	289	9	9	0	32.3	68
03/05/2023 13:10	6.7	282	9	8.7	0	32.5	67
03/05/2023 13:20	6.7	283	7	9.4	0	32.6	67
03/05/2023 13:30	6.7	286	9	9.4	0	32.4	68
03/05/2023 13:40	6.5	287	8	9.1	0	32.6	67
03/05/2023 13:50	6.7	288	8	8.8	0	32.5	68
03/05/2023 14:00	6.4	285	9	8.7	0	32.5	68
03/05/2023 14:10	6.5	284	8	8.9	0	32.8	67
03/05/2023 14:20	6.5	287	8	9.3	0	32.7	67
03/05/2023 14:30	6.5	285	9	8.6	0	32.7	67
03/05/2023 14:40	6.4	286	8	8.5	0	32.4	69
03/05/2023 14:50	6.6	288	8	8.9	0	32.2	69
03/05/2023 15:00	6.6	290	9	8.9	0	32.1	69
03/05/2023 15:10	7	295	7	9.1	0	32	70
03/05/2023 15:20	6.6	298	9	8.9	0	31.9	70
03/05/2023 15:30	7	296	12	9.2	0	31.9	70
03/05/2023 15:40	7	278	12	9.4	0	32.2	70
03/05/2023 15:50	7	270	10	10.4	0	32.1	70
03/05/2023 16:00	7.5	272	9	9.9	0	32.1	70
03/05/2023 16:10	7.2	268	10	9.6	0	32.2	70
03/05/2023 16:20	7.5	269	7	9.8	0	32.1	70



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/05/2023 16:30	7.2	268	9	9.6	0	31.9	70
03/05/2023 16:40	7.6	268	7	9.5	0	31.6	70
03/05/2023 16:50	7.2	273	7	9.8	0	31.8	70
03/05/2023 17:00	6.5	278	10	8.9	0	32	70
03/05/2023 17:10	7	290	8	9.4	0	31.8	70
03/05/2023 17:20	7	285	7	9.8	0	31.6	70
03/05/2023 17:30	6.8	288	7	9.3	0	31.5	70
03/05/2023 17:40	6.4	290	9	9.2	0	31.3	71
03/05/2023 17:50	6.2	292	12	8.3	0	31.2	71
03/05/2023 18:00	6.2	289	10	8.8	0	31	70
03/05/2023 18:10	6.9	286	7	9.1	0	30.7	70
03/05/2023 18:20	7.2	291	6	9.3	0	30.4	70
03/05/2023 18:30	7.1	295	7	9.1	0	30.2	69
03/05/2023 18:40	6.2	288	8	8.8	0	30.2	68
03/05/2023 18:50	7.2	285	7	10.4	0	30.1	68
03/05/2023 19:00	6.5	278	7	8.4	0	30	67
03/05/2023 19:10	7.2	258	9	9.8	0	30.1	67
03/05/2023 19:20	7.5	271	7	9.7	0	30.1	66
03/05/2023 19:30	7.2	275	8	9.7	0	30	63
03/05/2023 19:40	6.8	277	8	9.3	0	30	64
03/05/2023 19:50	6.6	279	8	9.6	0	30	63
03/05/2023 20:00	6.4	286	7	8.5	0	29.9	62
03/05/2023 20:10	5.9	290	8	7.8	0	29.9	62
03/05/2023 20:20	5.6	293	7	7.6	0	29.9	61
03/05/2023 20:30	4.7	302	11	6.9	0	29.9	61
03/05/2023 20:40	4.6	311	12	7	0	29.9	59
03/05/2023 20:50	5.3	308	9	7.3	0	29.8	58
03/05/2023 21:00	5.7	286	9	7.8	0	29.7	56
03/05/2023 21:10	5.6	286	9	8.5	0	29.7	55
03/05/2023 21:20	6.5	280	8	9.1	0	29.7	55
03/05/2023 21:30	6.3	284	9	9.3	0	29.6	54
03/05/2023 21:40	6.5	283	9	9	0	29.5	54
03/05/2023 21:50	6.4	288	7	9.2	0	29.4	54
03/05/2023 22:00	6.5	290	9	9	0	29.4	53
03/05/2023 22:10	6.8	286	7	9.1	0	29.4	53
03/05/2023 22:20	6.7	290	9	8.8	0	29.3	54
03/05/2023 22:30	6.5	289	8	9.5	0	29.4	54
03/05/2023 22:40	6.6	286	8	9.2	0	29.4	53
03/05/2023 22:50	6.6	284	8	9.2	0	29.3	52
03/05/2023 23:00	6.6	280	7	9.1	0	29.3	52
03/05/2023 23:10	5.4	289	9	7.8	0	29.3	51
03/05/2023 23:20	5.4	283	8	7.9	0	29.2	51
03/05/2023 23:30	5.5	284	7	7.2	0	29.2	51
03/05/2023 23:40	4.6	281	7	6.4	0	29.2	51
03/05/2023 23:50	4.7	281	7	6.3	0	29.1	51
03/06/2023 00:00	4.1	289	8	6.2	0	29.1	50
03/06/2023 00:10	5.5	285	8	7	0	29.1	49
03/06/2023 00:20	5.7	284	7	7.6	0	29.1	49



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/06/2023 00:30	5.8	285	8	7.7	0	29	48
03/06/2023 00:40	6.2	280	7	8.7	0	29	48
03/06/2023 00:50	6.2	285	8	8.7	0	29	49
03/06/2023 01:00	6.4	283	8	9.2	0	29	48
03/06/2023 01:10	6	283	7	8.3	0	29.1	47
03/06/2023 01:20	5.9	278	8	8.6	0	29.1	47
03/06/2023 01:30	5.3	267	9	7.5	0	29.2	47
03/06/2023 01:40	5.5	254	8	7.7	0	29.3	48
03/06/2023 01:50	5.5	257	7	7.3	0	29.4	49
03/06/2023 02:00	5.4	254	8	7.3	0	29.3	51
03/06/2023 02:10	5.2	259	6	6.8	0	29.2	51
03/06/2023 02:20	6.1	258	7	7.9	0	29.2	51
03/06/2023 02:30	5.4	259	7	7	0	29.3	51
03/06/2023 02:40	4.9	254	10	6.3	0	29.3	51
03/06/2023 02:50	4.1	241	13	6.3	0	29.5	53
03/06/2023 03:00	5.2	258	7	6.9	0	29.3	54
03/06/2023 03:10	4.1	254	9	5.9	0	29.2	52
03/06/2023 03:20	4.1	259	6	5.8	0	29.2	52
03/06/2023 03:30	4.6	263	6	6.1	0	29	51
03/06/2023 03:40	4.9	263	5	6.4	0	29	51
03/06/2023 03:50	5.2	267	6	6.9	0	29.1	52
03/06/2023 04:00	5.5	263	7	7.5	0	29.2	53
03/06/2023 04:10	5.2	259	6	6.4	0	29	52
03/06/2023 04:20	5.5	260	5	7.2	0	29.1	50
03/06/2023 04:30	5.3	260	5	6.9	0	29.1	50
03/06/2023 04:40	5.4	259	5	6.5	0	29.1	49
03/06/2023 04:50	4.8	258	6	6.3	0	29.1	48
03/06/2023 05:00	4	262	7	5.3	0	29.2	46
03/06/2023 05:10	4.3	265	7	5.9	0	29.3	46
03/06/2023 05:20	4.6	275	6	6.4	0	29.4	48
03/06/2023 05:30	4.3	271	7	6.2	0	29.5	50
03/06/2023 05:40	5.4	266	6	6.7	0	29.6	53
03/06/2023 05:50	4.7	267	5	6.4	0	29.8	55
03/06/2023 06:00	3.9	266	6	5.1	0	29.7	54
03/06/2023 06:10	3.8	273	7	5.6	0	29.7	54
03/06/2023 06:20	2.9	277	7	4.6	0	29.7	51
03/06/2023 06:30	2.6	288	9	3.5	0	29.6	49
03/06/2023 06:40	2.6	282	8	3.4	0	29.6	47
03/06/2023 06:50	3.1	283	7	4.2	0	29.8	47
03/06/2023 07:00	3.4	278	7	4.5	0	30	49
03/06/2023 07:10	4	274	8	5.4	0	30.2	51
03/06/2023 07:20	4.1	270	7	5.6	0	30.4	53
03/06/2023 07:30	4.2	285	12	5.9	0	30.5	54
03/06/2023 07:40	4.5	281	8	5.7	0	30.5	54
03/06/2023 07:50	4.4	282	9	5.7	0	30.6	54
03/06/2023 08:00	4.4	284	11	5.4	0	30.8	56
03/06/2023 08:10	4.6	277	9	6.5	0	30.9	57
03/06/2023 08:20	3.8	276	13	5.2	0	31.2	59



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/06/2023 08:30	4.1	279	8	5.6	0	31.3	61
03/06/2023 08:40	3.8	287	14	5.1	0	31.3	61
03/06/2023 08:50	4	273	11	5.6	0	31.5	63
03/06/2023 09:00	3.9	287	13	5.5	0	31.5	65
03/06/2023 09:10	3.8	288	14	5.5	0	31.7	66
03/06/2023 09:20	4.2	295	11	5.7	0	31.7	67
03/06/2023 09:30	3.7	289	14	4.9	0	32.2	68
03/06/2023 09:40	3.8	287	16	5.2	0	32.3	68
03/06/2023 09:50	3.7	286	14	5.6	0	32.4	68
03/06/2023 10:00	3.2	287	13	5	0	32.4	69
03/06/2023 10:10	3.5	290	16	4.9	0	32.7	69
03/06/2023 10:20	3.2	296	13	5.1	0	32.7	69
03/06/2023 10:30	2.9	294	19	4.9	0	32.9	69
03/06/2023 10:40	2.9	265	19	4.7	0	33.3	68
03/06/2023 10:50	2.6	271	19	3.8	0	33.3	67
03/06/2023 11:00	2.9	270	17	4.5	0	33.7	67
03/06/2023 11:10	3.3	302	18	5.1	0	34.1	67
03/06/2023 11:20	3.5	325	15	4.8	0	33.8	69
03/06/2023 11:30	3.9	331	13	5.6	0	33.8	69
03/06/2023 11:40	3.8	332	14	6	0	33.8	69
03/06/2023 11:50	4.3	334	9	5.9	0	33.8	69
03/06/2023 12:00	4.4	331	13	6.4	0	33.8	69
03/06/2023 12:10	4.8	327	10	6.5	0	33.5	69
03/06/2023 12:20	4.3	326	9	6.2	0	33.5	69
03/06/2023 12:30	4.8	336	14	6.5	0	33.9	69
03/06/2023 12:40	5.1	337	11	7	0	33.8	69
03/06/2023 12:50	5.4	337	11	7.1	0	33.5	70
03/06/2023 13:00	5.4	331	8	7.6	0	33.3	70
03/06/2023 13:10	5.4	333	11	7.6	0	33.2	70
03/06/2023 13:20	5.6	326	10	7.3	0	33.2	70
03/06/2023 13:30	5.6	336	11	7.4	0	33.4	70
03/06/2023 13:40	5.5	335	11	7.3	0	33.5	70
03/06/2023 13:50	6	338	11	7.8	0	33.1	70
03/06/2023 14:00	5.9	343	10	8	0	33.2	70
03/06/2023 14:10	6.4	343	9	8.2	0	33.2	70
03/06/2023 14:20	6.5	339	10	8.7	0	33.3	70
03/06/2023 14:30	6.4	340	10	8.6	0	33.2	70
03/06/2023 14:40	6.4	334	10	8.6	0	33.1	70
03/06/2023 14:50	6.5	338	11	8.5	0	32.9	70
03/06/2023 15:00	6.6	342	8	8.7	0	32.9	70
03/06/2023 15:10	6.7	341	9	8.6	0	32.8	69
03/06/2023 15:20	6.6	341	9	9.1	0	32.8	70
03/06/2023 15:30	6.5	343	11	8.4	0	32.9	70
03/06/2023 15:40	6.4	351	9	8.4	0	33	69
03/06/2023 15:50	6.9	354	8	9.1	0	32.9	69
03/06/2023 16:00	6.2	343	10	8.8	0	32.8	70
03/06/2023 16:10	6.8	344	9	8.8	0	32.7	70
03/06/2023 16:20	7.3	342	10	9.6	0	32.3	71



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/06/2023 16:30	7.4	342	9	10.4	0	32.1	71
03/06/2023 16:40	6.9	336	9	9.4	0	32.1	70
03/06/2023 16:50	6.6	326	10	9.4	0	32.1	70
03/06/2023 17:00	7.2	321	9	9.8	0	31.7	70
03/06/2023 17:10	7	323	7	9.5	0	31.7	70
03/06/2023 17:20	6.1	321	10	8.7	0	31.8	69
03/06/2023 17:30	6.4	324	12	8.9	0	31.5	69
03/06/2023 17:40	6.2	317	10	8.4	0	31.3	68
03/06/2023 17:50	6	311	9	8.6	0	31.3	68
03/06/2023 18:00	5	290	23	7.7	0	31.3	68
03/06/2023 18:10	3	215	20	5.2	0	31.5	69
03/06/2023 18:20	2.9	253	15	4.3	0	31.8	70
03/06/2023 18:30	4.6	241	12	7.4	0	31.7	63
03/06/2023 18:40	3.9	251	14	5.5	0	32.7	49
03/06/2023 18:50	3.9	259	8	5.2	0	32.3	49
03/06/2023 19:00	3.6	274	8	4.9	0	32	49
03/06/2023 19:10	3.5	293	5	4.5	0	31.7	49
03/06/2023 19:20	3.2	285	6	4.4	0	32.1	49
03/06/2023 19:30	2.8	306	10	4	0	32.2	53
03/06/2023 19:40	4.3	321	8	6	0	32	68
03/06/2023 19:50	5.2	332	8	6.8	0	31.4	69
03/06/2023 20:00	4.6	311	10	6.6	0	30.8	65
03/06/2023 20:10	4.1	320	9	5.9	0	30.7	63
03/06/2023 20:20	4.3	306	10	6	0	30.6	61
03/06/2023 20:30	4.9	328	9	6.6	0	30.4	61
03/06/2023 20:40	5.1	324	9	6.7	0	30.5	62
03/06/2023 20:50	5.2	326	7	6.8	0	30.5	63
03/06/2023 21:00	5	325	9	6.5	0	30.5	62
03/06/2023 21:10	4.7	322	9	6.8	0	30.4	61
03/06/2023 21:20	4.3	320	9	6.1	0	30.4	59
03/06/2023 21:30	4.9	325	10	6.8	0	30.3	59
03/06/2023 21:40	3.5	315	16	5.9	0	30.3	59
03/06/2023 21:50	3.3	319	18	5.4	0	30.3	60
03/06/2023 22:00	3.5	297	14	5.4	0	30.3	59
03/06/2023 22:10	4	301	9	5.5	0	30.2	57
03/06/2023 22:20	3.5	295	12	5.3	0	30.2	56
03/06/2023 22:30	3.6	288	10	5.4	0	30.2	54
03/06/2023 22:40	3.7	284	10	4.8	0	30.1	53
03/06/2023 22:50	3.8	280	7	4.8	0	30.1	53
03/06/2023 23:00	4.1	270	7	5.9	0	30	52
03/06/2023 23:10	4.3	269	6	5.9	0	30.1	52
03/06/2023 23:20	4.1	270	6	5.6	0	30	52
03/06/2023 23:30	3.7	271	7	4.5	0	30.1	52
03/06/2023 23:40	3.5	267	5	4.6	0	30	53
03/06/2023 23:50	3.3	267	5	4.5	0	30.1	55
03/07/2023 00:00	3.8	271	6	4.8	0	30.2	55
03/07/2023 00:10	4.7	282	7	6.1	0	30	56
03/07/2023 00:20	4.9	308	9	6.8	0	30.1	59



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/07/2023 00:30	4.4	321	11	6.4	0	30.2	57
03/07/2023 00:40	4.8	319	9	6.8	0	30.1	54
03/07/2023 00:50	3.6	315	11	5.2	0	30	53
03/07/2023 01:00	3.2	299	14	5	0	30	53
03/07/2023 01:10	3.3	310	13	4.9	0	29.9	52
03/07/2023 01:20	4.3	326	8	6.1	0	29.9	51
03/07/2023 01:30	3.9	331	11	5.7	0	29.9	51
03/07/2023 01:40	4.8	329	9	6.8	0	29.8	52
03/07/2023 01:50	3.8	330	11	5.7	0	29.9	54
03/07/2023 02:00	3.7	326	10	5.1	0	29.8	53
03/07/2023 02:10	2.6	325	14	5.2	0	29.8	53
03/07/2023 02:20	1.2	12	36	2.3	0	29.8	54
03/07/2023 02:30	1.9	304	13	2.9	0	29.9	53
03/07/2023 02:40	2.7	287	8	3.8	0	29.9	51
03/07/2023 02:50	3.9	293	9	5.1	0	29.8	49
03/07/2023 03:00	3.8	308	10	5.5	0	29.7	48
03/07/2023 03:10	3.1	306	13	4.7	0	29.5	51
03/07/2023 03:20	0.9	170	47	2.5	0	29.8	54
03/07/2023 03:30	1.4	83	21	2.2	0	29.9	55
03/07/2023 03:40	0.8	164	41	1.8	0	30	53
03/07/2023 03:50	1	250	16	1.5	0	29.9	52
03/07/2023 04:00	1.4	255	17	2.1	0	29.7	52
03/07/2023 04:10	1.8	207	19	2.6	0	29.9	50
03/07/2023 04:20	1.2	131	15	2	0	29.8	50
03/07/2023 04:30	2.1	104	9	3.1	0	29.9	50
03/07/2023 04:40	4	117	14	6.1	0	29.2	54
03/07/2023 04:50	6.3	144	15	10.1	0	26.7	62
03/07/2023 05:00	6.1	147	17	9.6	0	26.1	61
03/07/2023 05:10	6.6	147	15	11	0	26.6	63
03/07/2023 05:20	5.6	152	16	10.6	0	26.3	59
03/07/2023 05:30	4.4	155	19	8.4	0	25.6	56
03/07/2023 05:40	3.2	149	20	6.1	0	25.4	54
03/07/2023 05:50	4.2	190	11	6.4	0.1	25.8	55
03/07/2023 06:00	4.7	204	11	7.7	0.1	25.7	57
03/07/2023 06:10	6.8	197	8	9.8	0.1	26.1	63
03/07/2023 06:20	6.6	206	9	9.6	0.1	26.8	68
03/07/2023 06:30	7.1	206	8	9.7	0	27.1	69
03/07/2023 06:40	6.3	203	8	8.7	0	27.2	69
03/07/2023 06:50	5.1	204	9	8.1	0	28	66
03/07/2023 07:00	3.3	226	14	6.1	0	29.1	59
03/07/2023 07:10	1.4	264	35	2.6	0	28.7	63
03/07/2023 07:20	2.3	260	17	3.7	0	28.9	61
03/07/2023 07:30	2.8	274	10	3.9	0	29.3	59
03/07/2023 07:40	2.1	283	11	3.2	0	29.7	57
03/07/2023 07:50	0.9	115	40	1.5	0	30.3	56
03/07/2023 08:00	2.2	28	8	3.2	0	30.7	57
03/07/2023 08:10	5.1	14	6	6.5	0	31.1	54
03/07/2023 08:20	5.5	22	7	7.3	0	30.5	60



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/07/2023 08:30	3.7	41	9	5.5	0	31.2	61
03/07/2023 08:40	4	41	8	5.1	0	31.8	57
03/07/2023 08:50	3.6	27	9	4.9	0	32	57
03/07/2023 09:00	3.7	28	9	5.1	0	32.1	56
03/07/2023 09:10	3.7	37	10	4.6	0	32.9	53
03/07/2023 09:20	4.2	32	8	5.8	0	33.2	50
03/07/2023 09:30	5.2	34	7	6.6	0	33.8	46
03/07/2023 09:40	5.6	43	10	7.6	0	34	43
03/07/2023 09:50	5.4	43	9	7	0	34	44
03/07/2023 10:00	4.8	50	12	6.5	0	34.4	43
03/07/2023 10:10	4.8	40	9	6.4	0	34.6	43
03/07/2023 10:20	4.1	49	11	6.3	0	34.7	46
03/07/2023 10:30	4.4	41	11	5.7	0	34.5	50
03/07/2023 10:40	4.2	41	12	5.6	0	34.6	50
03/07/2023 10:50	4.4	70	11	6.2	0	34.8	52
03/07/2023 11:00	3.9	65	10	5.1	0	34.8	52
03/07/2023 11:10	4.3	81	13	5.9	0	35	52
03/07/2023 11:20	4.9	100	12	7.9	0	34	58
03/07/2023 11:30	5.2	100	11	7	0	33.5	58
03/07/2023 11:40	5.2	89	10	7	0	33.3	59
03/07/2023 11:50	4.8	82	10	6.5	0	34.2	54
03/07/2023 12:00	4.9	72	11	6.5	0	33.8	59
03/07/2023 12:10	4.8	80	11	6.4	0	33.8	61
03/07/2023 12:20	5.4	67	11	7.1	0	33.5	61
03/07/2023 12:30	5.7	77	10	7.6	0	33.2	65
03/07/2023 12:40	5.6	80	10	7.1	0	33.3	65
03/07/2023 12:50	5.5	61	8	7.1	0	33	67
03/07/2023 13:00	5.1	71	9	6.8	0	33	67
03/07/2023 13:10	4.6	66	13	6.7	0	33.7	66
03/07/2023 13:20	4.4	53	9	5.9	0	33.3	66
03/07/2023 13:30	4.2	41	16	6.1	0	33.6	66
03/07/2023 13:40	4.5	41	20	6.7	0	33.9	65
03/07/2023 13:50	4.4	15	21	7.1	0	33.8	66
03/07/2023 14:00	4.8	17	11	6.8	0	33.5	66
03/07/2023 14:10	4.1	187	22	6	0	33.6	64
03/07/2023 14:20	4.4	19	14	6	0	33.9	63
03/07/2023 14:30	4.9	13	8	6.5	0	33.4	65
03/07/2023 14:40	4.7	17	10	6.3	0	33.5	64
03/07/2023 14:50	4.9	21	9	7	0	33.6	64
03/07/2023 15:00	5.4	15	10	7.5	0	33.2	65
03/07/2023 15:10	5.4	10	9	7.2	0	33.3	65
03/07/2023 15:20	5.5	11	8	7	0	33.3	66
03/07/2023 15:30	5.5	16	8	7.4	0	33	67
03/07/2023 15:40	5.7	16	9	7.3	0	32.9	67
03/07/2023 15:50	5.4	21	8	7	0	32.9	66
03/07/2023 16:00	5.3	19	10	7.3	0	32.9	66
03/07/2023 16:10	5.6	15	12	7.5	0	32.7	67
03/07/2023 16:20	5.1	3	19	7.3	0	32.6	68



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/07/2023 16:30	5.2	355	15	7.4	0	32.4	69
03/07/2023 16:40	5.5	354	10	7.4	0	31.9	70
03/07/2023 16:50	5.6	349	13	7.7	0	31.7	70
03/07/2023 17:00	5.2	349	13	7.4	0	31.7	70
03/07/2023 17:10	5.6	350	10	7.3	0	31.6	70
03/07/2023 17:20	5.3	345	12	7.8	0	31.4	70
03/07/2023 17:30	4.9	342	14	7.2	0	31.4	70
03/07/2023 17:40	5.8	330	10	7.6	0	31.2	70
03/07/2023 17:50	6.2	338	10	8.9	0	30.9	70
03/07/2023 18:00	5.7	336	12	7.9	0	30.9	70
03/07/2023 18:10	5.3	334	11	8.4	0	30.8	69
03/07/2023 18:20	6	328	11	8.1	0	30.5	68
03/07/2023 18:30	5.5	317	11	7.6	0	30.3	68
03/07/2023 18:40	4.6	304	12	6.7	0	30.2	67
03/07/2023 18:50	4.3	308	12	6.4	0	30.2	66
03/07/2023 19:00	4.7	311	10	6.5	0	30	65
03/07/2023 19:10	4.5	306	10	6.4	0	30	64
03/07/2023 19:20	4.5	312	10	6.3	0	30	64
03/07/2023 19:30	3.7	301	13	6.3	0	30	62
03/07/2023 19:40	4.2	304	12	6.2	0	30	61
03/07/2023 19:50	4.4	313	8	6.3	0	30	62
03/07/2023 20:00	5.2	310	9	7.2	0	29.9	61
03/07/2023 20:10	4.1	299	10	6	0	29.9	61
03/07/2023 20:20	4.4	290	9	6.5	0	29.8	59
03/07/2023 20:30	4.5	290	12	6.1	0	29.8	58
03/07/2023 20:40	4.7	291	9	6.2	0	29.7	57
03/07/2023 20:50	4.1	293	8	5.9	0	29.7	55
03/07/2023 21:00	4	294	9	5.6	0	29.7	54
03/07/2023 21:10	4.2	292	8	5.5	0	29.6	54
03/07/2023 21:20	4.4	285	10	5.8	0	29.6	55
03/07/2023 21:30	4	282	8	5.3	0	29.6	55
03/07/2023 21:40	3.9	291	7	5.1	0	29.6	55
03/07/2023 21:50	3.6	294	7	4.8	0	29.6	55
03/07/2023 22:00	3.2	293	9	4.4	0	29.6	54
03/07/2023 22:10	3.1	282	7	4.2	0	29.5	54
03/07/2023 22:20	3.8	291	9	5.1	0	29.5	53
03/07/2023 22:30	3.9	273	8	5.3	0	29.6	53
03/07/2023 22:40	3.8	267	7	4.8	0	29.6	54
03/07/2023 22:50	4.1	265	5	5.3	0	29.6	55
03/07/2023 23:00	3.5	269	8	4.4	0	29.6	56
03/07/2023 23:10	3.1	270	5	3.8	0	29.7	56
03/07/2023 23:20	3.7	263	4	4.6	0	29.6	56
03/07/2023 23:30	3.4	263	5	4.2	0	29.6	56
03/07/2023 23:40	3.1	269	6	4.3	0	29.6	55
03/07/2023 23:50	3.1	270	6	3.9	0	29.6	54
03/08/2023 00:00	3.3	273	8	4.3	0	29.5	53
03/08/2023 00:10	3.6	272	7	4.8	0	29.5	54
03/08/2023 00:20	2.7	276	8	4	0	29.5	56





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/08/2023 00:30	3.5	274	6	4.5	0	29.4	58
03/08/2023 00:40	4.1	269	5	5.2	0	29.5	60
03/08/2023 00:50	3.5	270	6	4.6	0	29.5	61
03/08/2023 01:00	4.1	277	5	5.6	0	29.5	61
03/08/2023 01:10	3.9	271	7	5	0	29.6	61
03/08/2023 01:20	4.7	271	6	6.7	0	29.6	61
03/08/2023 01:30	4.9	271	7	7.1	0	29.6	61
03/08/2023 01:40	4.8	273	6	6.2	0	29.6	61
03/08/2023 01:50	4.7	277	7	6.8	0	29.6	61
03/08/2023 02:00	4.8	271	6	6.3	0	29.6	61
03/08/2023 02:10	5.4	269	5	7.3	0	29.6	62
03/08/2023 02:20	5.2	270	8	6.5	0	29.5	62
03/08/2023 02:30	5.1	275	6	6.6	0	29.5	62
03/08/2023 02:40	4.7	273	7	6.6	0	29.5	62
03/08/2023 02:50	4.4	265	7	6.1	0	29.5	61
03/08/2023 03:00	4.7	272	7	6.3	0	29.4	61
03/08/2023 03:10	4.5	272	5	6.2	0	29.4	61
03/08/2023 03:20	4.1	270	6	5.7	0	29.3	61
03/08/2023 03:30	4.3	264	8	5.7	0	29.4	61
03/08/2023 03:40	3.8	258	8	4.9	0	29.5	59
03/08/2023 03:50	3.5	234	10	4.8	0	29.6	58
03/08/2023 04:00	2.9	251	15	4	0	29.5	58
03/08/2023 04:10	2.1	216	18	3.2	0	29.5	57
03/08/2023 04:20	2	197	10	3.5	0	29.3	56
03/08/2023 04:30	2.3	217	14	3.4	0	29.1	55
03/08/2023 04:40	2.3	244	13	3.3	0	29.2	56
03/08/2023 04:50	3.3	263	7	4.2	0	29.1	55
03/08/2023 05:00	3.7	268	4	4.3	0	29	53
03/08/2023 05:10	3.5	262	5	4.4	0	29	51
03/08/2023 05:20	3.3	267	5	4	0	29	50
03/08/2023 05:30	3.4	260	4	4.1	0	29	49
03/08/2023 05:40	2.9	262	7	3.4	0	29	49
03/08/2023 05:50	2.2	247	13	3.2	0	29.1	50
03/08/2023 06:00	2.1	264	8	2.8	0	29.1	52
03/08/2023 06:10	2.9	265	4	3.2	0	29	51
03/08/2023 06:20	2.8	267	5	3.5	0	29.1	51
03/08/2023 06:30	2.9	268	4	3.2	0	29.1	51
03/08/2023 06:40	2.5	273	5	3.2	0	29.1	51
03/08/2023 06:50	3.5	264	5	4.1	0	29.1	52
03/08/2023 07:00	3.5	267	5	4.2	0	29.2	55
03/08/2023 07:10	3.8	263	6	5	0	29.4	58
03/08/2023 07:20	3.9	256	5	4.8	0	29.5	60
03/08/2023 07:30	3.5	244	13	5	0	29.7	61
03/08/2023 07:40	3.2	249	9	4.3	0	30	62
03/08/2023 07:50	3	238	12	4.6	0	30.2	63
03/08/2023 08:00	3.2	241	11	4.6	0	30.1	64
03/08/2023 08:10	3.4	242	10	4.8	0	30	63
03/08/2023 08:20	3.4	236	11	4.5	0	30.1	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/08/2023 08:30	4.1	236	8	5	0	30.2	65
03/08/2023 08:40	3.5	260	13	5.1	0	30.5	66
03/08/2023 08:50	3.4	247	14	4.6	0	30.7	67
03/08/2023 09:00	4.1	260	10	5.4	0	31.2	68
03/08/2023 09:10	4.2	255	11	5.6	0	31.4	69
03/08/2023 09:20	3.7	264	9	5	0	31.8	70
03/08/2023 09:30	3.7	264	13	5.3	0	32.1	69
03/08/2023 09:40	3.4	271	14	4.9	0	32.4	69
03/08/2023 09:50	3.1	275	17	4.9	0	32.6	68
03/08/2023 10:00	3.4	271	17	4.8	0	32.3	69
03/08/2023 10:10	3.3	292	11	4.6	0	32.2	69
03/08/2023 10:20	2.8	285	16	4.5	0	32.3	69
03/08/2023 10:30	3.3	291	11	4.3	0	32.5	69
03/08/2023 10:40	3.2	288	18	4.4	0	33	67
03/08/2023 10:50	2.9	299	21	4.4	0	33.3	67
03/08/2023 11:00	2.4	289	30	4.5	0	33.5	66
03/08/2023 11:10	2.9	296	13	4.7	0	33.4	66
03/08/2023 11:20	4.3	311	17	5.8	0	33.1	69
03/08/2023 11:30	4	301	19	5.9	0	33.1	70
03/08/2023 11:40	4.2	308	21	5.9	0	33.2	70
03/08/2023 11:50	4.1	295	17	6.7	0	33.1	70
03/08/2023 12:00	4.1	294	16	6.4	0	32.9	70
03/08/2023 12:10	4.7	289	14	6.4	0	33.1	70
03/08/2023 12:20	5.6	284	12	7.9	0	32.6	70
03/08/2023 12:30	4.7	301	17	6.7	0	33	70
03/08/2023 12:40	4.6	301	16	7	0	33.1	70
03/08/2023 12:50	5.1	291	13	7.3	0	33.1	69
03/08/2023 13:00	4.9	287	13	7.6	0	32.8	70
03/08/2023 13:10	4.5	294	15	7	0	33.2	69
03/08/2023 13:20	5	312	14	7.3	0	33	69
03/08/2023 13:30	4.9	316	11	7.2	0	33.1	69
03/08/2023 13:40	5.1	315	13	7.4	0	32.8	70
03/08/2023 13:50	5.9	327	13	8.2	0	32.7	69
03/08/2023 14:00	6	327	13	9.2	0	32.8	68
03/08/2023 14:10	5.7	310	13	8.6	0	32.5	69
03/08/2023 14:20	5.8	311	9	7.9	0	32.6	68
03/08/2023 14:30	5.4	307	15	7.6	0	32.8	67
03/08/2023 14:40	5.6	291	11	8.1	0	33	67
03/08/2023 14:50	6.2	294	10	8.8	0	32.7	67
03/08/2023 15:00	6	297	14	8.8	0	32.8	68
03/08/2023 15:10	6.1	302	11	9.1	0	32.6	68
03/08/2023 15:20	5.7	308	16	8.2	0	32.5	69
03/08/2023 15:30	6.8	311	9	9.3	0	32.2	69
03/08/2023 15:40	6	318	11	8	0	32.2	69
03/08/2023 15:50	5.8	312	12	8.6	0	32.3	69
03/08/2023 16:00	5.4	303	14	7.7	0	32.5	68
03/08/2023 16:10	4.5	302	14	6.9	0	32.9	66
03/08/2023 16:20	5.4	311	13	7.7	0	32.7	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/08/2023 16:30	4.9	307	12	7.1	0	32.6	67
03/08/2023 16:40	5.6	310	9	7.6	0	32	69
03/08/2023 16:50	4.6	299	13	6.9	0	32.3	69
03/08/2023 17:00	5.1	296	12	7.1	0	32.2	69
03/08/2023 17:10	5.3	290	10	7.1	0	32.2	69
03/08/2023 17:20	5	290	8	7	0	32	68
03/08/2023 17:30	4.7	299	12	6.3	0	32	68
03/08/2023 17:40	4.7	295	9	6.3	0	31.8	68
03/08/2023 17:50	4.6	288	8	6.1	0	31.8	69
03/08/2023 18:00	4.2	287	7	5.5	0	31.5	70
03/08/2023 18:10	3.7	265	10	5	0	31.5	71
03/08/2023 18:20	4.1	232	12	5.5	0	31.4	70
03/08/2023 18:30	3.6	257	10	5.4	0	31.5	66
03/08/2023 18:40	3.9	267	8	5.1	0	31.4	67
03/08/2023 18:50	4.5	264	8	6.1	0	31.3	70
03/08/2023 19:00	4.9	268	6	6.1	0	31.1	72
03/08/2023 19:10	4.6	267	9	6.3	0	31	72
03/08/2023 19:20	5.3	274	8	6.9	0	30.9	72
03/08/2023 19:30	5.2	281	9	6.9	0	30.8	72
03/08/2023 19:40	5.9	281	8	7.9	0	30.7	71
03/08/2023 19:50	6.9	274	7	8.9	0	30.6	71
03/08/2023 20:00	6.5	267	7	8.8	0	30.5	71
03/08/2023 20:10	5.5	256	8	7.2	0	30.5	69
03/08/2023 20:20	4.3	254	10	6.1	0	30.1	62
03/08/2023 20:30	3.4	266	10	4.7	0	30.2	59
03/08/2023 20:40	3.7	275	6	4.9	0	29.9	60
03/08/2023 20:50	4.9	274	7	6.2	0	30.3	60
03/08/2023 21:00	5	265	9	6.7	0	30.4	60
03/08/2023 21:10	4.5	263	5	5.7	0	30.1	60
03/08/2023 21:20	3.7	267	7	5	0	30	63
03/08/2023 21:30	3.7	259	7	5	0	30	66
03/08/2023 21:40	3.8	280	7	5.6	0	30	68
03/08/2023 21:50	4.6	295	8	6.4	0	30.1	71
03/08/2023 22:00	4.7	311	9	6.7	0	30.3	72
03/08/2023 22:10	6.2	313	7	8.8	0	30.3	70
03/08/2023 22:20	4.8	311	11	7.4	0	29.9	65
03/08/2023 22:30	5.1	318	8	7	0	29.8	61
03/08/2023 22:40	5.4	319	8	8.1	0	29.8	58
03/08/2023 22:50	5.5	317	8	8	0	29.7	56
03/08/2023 23:00	5.2	319	9	7.8	0	29.7	54
03/08/2023 23:10	5	318	10	7.5	0	29.6	52
03/08/2023 23:20	5.6	324	10	8	0	29.6	50
03/08/2023 23:30	5	299	11	6.9	0	29.5	49
03/08/2023 23:40	5	313	10	7.3	0	29.6	49
03/08/2023 23:50	6.1	308	7	8.1	0	29.5	50
03/09/2023 00:00	4.7	291	11	6.8	0	29.6	50
03/09/2023 00:10	5.1	280	8	7.4	0	29.6	51
03/09/2023 00:20	5.3	281	9	7.2	0	29.5	51



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/09/2023 00:30	5.6	282	8	7.5	0	29.4	51
03/09/2023 00:40	5.7	281	7	7.8	0	29.4	51
03/09/2023 00:50	5.7	274	6	7.7	0	29.4	52
03/09/2023 01:00	6.1	277	6	8.1	0	29.3	53
03/09/2023 01:10	5.4	276	8	7.2	0	29.3	54
03/09/2023 01:20	5.2	277	8	6.9	0	29.3	55
03/09/2023 01:30	5.5	281	7	7.7	0	29.3	55
03/09/2023 01:40	6.1	272	7	7.7	0	29.2	57
03/09/2023 01:50	5.8	280	7	8.4	0	29.2	59
03/09/2023 02:00	5.7	281	8	7.7	0	29.2	59
03/09/2023 02:10	6	269	7	7.9	0	29.2	59
03/09/2023 02:20	5.7	269	8	7.7	0	29.3	60
03/09/2023 02:30	5.9	269	7	7.8	0	29.3	61
03/09/2023 02:40	6.1	270	6	7.9	0	29.2	62
03/09/2023 02:50	5.9	266	7	8.1	0	29.2	64
03/09/2023 03:00	5.6	265	8	7.3	0	29.2	65
03/09/2023 03:10	5.5	265	8	7.5	0	29.2	65
03/09/2023 03:20	4.9	267	7	6.6	0	29.3	65
03/09/2023 03:30	4.4	270	9	6.3	0	29.3	64
03/09/2023 03:40	3.9	258	6	5.1	0	29.4	62
03/09/2023 03:50	4.1	244	11	5.5	0	29.5	62
03/09/2023 04:00	3.5	240	13	5.2	0	29.5	63
03/09/2023 04:10	3.5	236	9	5.2	0	29.4	63
03/09/2023 04:20	2.9	245	12	4.1	0	29.3	63
03/09/2023 04:30	3.6	248	12	5.1	0	29.2	62
03/09/2023 04:40	3.5	249	11	5.5	0	29.1	62
03/09/2023 04:50	3.1	241	13	4.7	0	29.1	61
03/09/2023 05:00	2.9	253	12	4.5	0	29	60
03/09/2023 05:10	3	257	13	4.7	0	28.8	58
03/09/2023 05:20	2.5	259	10	3.9	0	28.8	56
03/09/2023 05:30	2.5	258	13	3.9	0	28.7	56
03/09/2023 05:40	1.9	254	12	2.8	0	28.7	56
03/09/2023 05:50	2.2	230	15	3.3	0	28.7	57
03/09/2023 06:00	2.2	227	17	3.8	0	28.8	58
03/09/2023 06:10	2.1	219	13	3.3	0	28.7	60
03/09/2023 06:20	2.3	229	16	3.9	0	28.7	60
03/09/2023 06:30	2.1	220	13	3.2	0	28.7	61
03/09/2023 06:40	2.1	226	14	4.1	0	28.8	62
03/09/2023 06:50	2.4	236	16	3.8	0	29	63
03/09/2023 07:00	3	231	15	4.4	0	29.2	65
03/09/2023 07:10	3.6	232	11	5.6	0	29.3	66
03/09/2023 07:20	3.8	232	14	6.1	0	29.4	67
03/09/2023 07:30	3.3	227	16	4.8	0	29.6	68
03/09/2023 07:40	4.2	226	13	5.6	0	29.7	69
03/09/2023 07:50	3.4	222	12	5.3	0	30	70
03/09/2023 08:00	4	226	15	5.8	0	30.1	70
03/09/2023 08:10	3.3	239	11	5	0	30.3	71
03/09/2023 08:20	3.4	238	12	5	0	30.5	71



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/09/2023 08:30	3	238	14	4.6	0	30.8	71
03/09/2023 08:40	3.6	261	16	5.2	0	31.1	70
03/09/2023 08:50	3.1	270	12	4.6	0	31.4	70
03/09/2023 09:00	3.4	264	10	5.1	0	31.7	68
03/09/2023 09:10	3.4	268	13	4.9	0	31.7	69
03/09/2023 09:20	3.4	275	17	4.7	0	31.9	68
03/09/2023 09:30	4	263	10	5.4	0	32.1	67
03/09/2023 09:40	3.3	268	16	5.1	0	32.3	66
03/09/2023 09:50	3.5	275	20	4.9	0	32.4	66
03/09/2023 10:00	2.9	287	17	4.4	0	32.9	65
03/09/2023 10:10	3.3	291	14	5	0	33.1	64
03/09/2023 10:20	2.9	276	16	4.5	0	33.4	62
03/09/2023 10:30	2.9	281	24	5.2	0	33.2	63
03/09/2023 10:40	2.5	285	21	4.5	0	33.5	62
03/09/2023 10:50	2.6	306	25	4.3	0	34	60
03/09/2023 11:00	2.4	314	37	5.3	0	33.8	60
03/09/2023 11:10	2.6	323	32	4.7	0	34.1	58
03/09/2023 11:20	2.6	258	24	4	0	34.4	57
03/09/2023 11:30	3.2	275	13	4.5	0	34.3	57
03/09/2023 11:40	2.8	279	15	4.5	0	34.6	56
03/09/2023 11:50	3.2	273	15	4.8	0	34.9	56
03/09/2023 12:00	3.7	292	18	5.9	0	35.1	56
03/09/2023 12:10	4	308	17	5.9	0	34.4	58
03/09/2023 12:20	3.6	319	15	6.1	0	34.3	62
03/09/2023 12:30	4.3	329	13	6.1	0	34.2	63
03/09/2023 12:40	4.3	344	16	6.2	0	34	64
03/09/2023 12:50	4.1	337	17	6	0	34.2	63
03/09/2023 13:00	4.6	341	13	6.8	0	33.6	67
03/09/2023 13:10	5.4	336	14	8.2	0	33.5	68
03/09/2023 13:20	5.2	321	11	7.4	0	33.2	69
03/09/2023 13:30	6.3	325	7	8	0	32.8	69
03/09/2023 13:40	5.8	321	8	8.1	0	32.8	70
03/09/2023 13:50	6.1	330	11	9	0	32.8	71
03/09/2023 14:00	6.3	336	11	8.5	0	32.4	71
03/09/2023 14:10	6.5	325	10	8.7	0	32.4	71
03/09/2023 14:20	6	332	16	8.7	0	32.6	71
03/09/2023 14:30	6	327	11	8.3	0	32.2	71
03/09/2023 14:40	6.4	339	11	8.8	0	32.1	71
03/09/2023 14:50	6.5	332	14	8.9	0	32.2	71
03/09/2023 15:00	6.5	332	11	8.6	0	32.1	71
03/09/2023 15:10	6.8	327	9	9	0	32	71
03/09/2023 15:20	6.3	326	11	8.7	0	32.1	70
03/09/2023 15:30	6	322	13	9	0	32	71
03/09/2023 15:40	6.4	306	15	10.1	0	32	71
03/09/2023 15:50	5.9	310	11	8.7	0	32	71
03/09/2023 16:00	6.1	304	12	8.4	0	31.9	71
03/09/2023 16:10	5.7	306	12	8.6	0	31.8	71
03/09/2023 16:20	5.4	308	14	8.5	0	32.1	70



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/09/2023 16:30	5.6	308	11	8.4	0	32	70
03/09/2023 16:40	5.4	311	10	8	0	31.5	71
03/09/2023 16:50	5.5	313	12	8.3	0	31.5	71
03/09/2023 17:00	5.8	308	12	8.2	0	31.3	72
03/09/2023 17:10	5.9	301	12	8	0	31.4	72
03/09/2023 17:20	5.5	303	12	7.6	0	31.4	72
03/09/2023 17:30	5.5	307	13	8	0	31.2	72
03/09/2023 17:40	4.9	304	13	7.8	0	31.2	72
03/09/2023 17:50	5.5	306	12	8.2	0	31	72
03/09/2023 18:00	6	311	10	8.8	0	30.7	72
03/09/2023 18:10	5.2	302	15	7.7	0	30.6	72
03/09/2023 18:20	5.3	299	14	7.5	0	30.4	72
03/09/2023 18:30	5.8	284	10	8.4	0	30.2	72
03/09/2023 18:40	5.8	278	8	8	0	30	72
03/09/2023 18:50	6	281	8	7.8	0	30	72
03/09/2023 19:00	5.8	283	8	7.8	0	29.9	71
03/09/2023 19:10	5.4	278	8	7.1	0	29.9	71
03/09/2023 19:20	5.3	275	8	7.3	0	29.9	71
03/09/2023 19:30	5.4	271	8	7.3	0	29.8	71
03/09/2023 19:40	5.7	276	8	7.2	0	29.8	71
03/09/2023 19:50	5.5	280	9	7.4	0	29.8	71
03/09/2023 20:00	6.1	274	7	8	0	29.8	71
03/09/2023 20:10	6.2	276	6	7.8	0	29.7	71
03/09/2023 20:20	5.1	274	8	7	0	29.8	71
03/09/2023 20:30	4.9	271	7	6.5	0	29.8	70
03/09/2023 20:40	5.4	273	6	6.7	0	29.8	70
03/09/2023 20:50	5.7	273	7	7.3	0	29.8	70
03/09/2023 21:00	6.3	272	6	8.3	0	29.7	69
03/09/2023 21:10	6.6	275	7	8.5	0	29.6	69
03/09/2023 21:20	5.9	275	7	7.4	0	29.6	69
03/09/2023 21:30	5.9	274	6	7.7	0	29.6	69
03/09/2023 21:40	6.6	275	7	8.9	0	29.6	68
03/09/2023 21:50	6.2	274	8	8	0	29.6	68
03/09/2023 22:00	5.3	280	8	7.2	0	29.6	68
03/09/2023 22:10	5.1	281	7	7	0	29.5	68
03/09/2023 22:20	5.7	279	7	7.3	0	29.5	67
03/09/2023 22:30	5.7	276	8	7.3	0	29.5	68
03/09/2023 22:40	5.7	278	7	8.2	0	29.5	67
03/09/2023 22:50	5.3	281	8	7.2	0	29.5	67
03/09/2023 23:00	4.5	282	9	6.8	0	29.4	67
03/09/2023 23:10	4.9	281	7	6.6	0	29.4	67
03/09/2023 23:20	4.9	278	7	6.5	0	29.5	66
03/09/2023 23:30	5	273	8	6.9	0	29.4	64
03/09/2023 23:40	5.2	278	9	7.3	0	29.4	63
03/09/2023 23:50	5.7	276	7	7.4	0	29.4	62
03/10/2023 00:00	5	283	8	6.5	0	29.4	60
03/10/2023 00:10	5.5	277	7	7.2	0	29.4	59
03/10/2023 00:20	5	278	8	6.8	0	29.3	58



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/10/2023 00:30	5.7	274	6	7.2	0	29.3	58
03/10/2023 00:40	4.7	275	9	6.7	0	29.3	59
03/10/2023 00:50	4.1	285	9	5.5	0	29.3	58
03/10/2023 01:00	4.5	283	7	5.8	0	29.2	58
03/10/2023 01:10	4.3	281	7	5.8	0	29.1	59
03/10/2023 01:20	4.4	281	7	5.9	0	29.1	61
03/10/2023 01:30	4	280	8	6	0	29.1	60
03/10/2023 01:40	4.7	278	8	7.1	0	29.2	58
03/10/2023 01:50	4.6	276	7	6.9	0	29.2	57
03/10/2023 02:00	5.1	275	6	7.2	0	29.1	58
03/10/2023 02:10	5.5	268	7	7.6	0	29.3	60
03/10/2023 02:20	5.9	263	6	7.7	0	29.3	62
03/10/2023 02:30	5.6	263	7	7.8	0	29.4	64
03/10/2023 02:40	5.7	260	7	7.7	0	29.4	63
03/10/2023 02:50	5.5	254	7	7.1	0	29.3	64
03/10/2023 03:00	4.9	256	7	6.5	0	29.2	64
03/10/2023 03:10	4.3	253	9	6.3	0	29.1	65
03/10/2023 03:20	4.2	243	11	6.3	0	29.3	67
03/10/2023 03:30	4	243	11	6.1	0	29.3	67
03/10/2023 03:40	4.2	241	11	6.4	0	29.2	64
03/10/2023 03:50	3.5	244	13	5.3	0	29	62
03/10/2023 04:00	3.5	257	9	4.6	0	28.7	60
03/10/2023 04:10	3.2	261	9	4.5	0	28.5	58
03/10/2023 04:20	2.3	264	10	3.2	0	28.5	56
03/10/2023 04:30	1.5	276	12	2	0	28.3	55
03/10/2023 04:40	1.9	304	5	2.3	0	28.3	53
03/10/2023 04:50	2	319	7	2.4	0	28.2	52
03/10/2023 05:00	2	298	14	2.9	0	28.3	51
03/10/2023 05:10	1.4	289	10	1.8	0	28.4	52
03/10/2023 05:20	1.7	287	7	2.3	0	28.4	52
03/10/2023 05:30	2.1	303	13	3.3	0	28.6	52
03/10/2023 05:40	1.8	321	16	3.1	0	28.8	52
03/10/2023 05:50	2.5	282	12	3.7	0	28.9	50
03/10/2023 06:00	3.5	254	7	4.7	0	28.9	50
03/10/2023 06:10	3.7	259	7	4.9	0	28.8	49
03/10/2023 06:20	3.6	261	8	5	0	28.5	47
03/10/2023 06:30	2.7	265	6	3.3	0	28.4	45
03/10/2023 06:40	3.3	260	7	4.3	0	28.5	44
03/10/2023 06:50	2.4	261	8	3	0	28.7	44
03/10/2023 07:00	2.6	265	7	3.5	0	29	46
03/10/2023 07:10	3.1	256	7	4	0	29.3	49
03/10/2023 07:20	3.8	254	6	4.6	0	29.5	52
03/10/2023 07:30	3.4	256	7	4.7	0	29.8	56
03/10/2023 07:40	3.9	260	9	5.4	0	30.2	60
03/10/2023 07:50	4.1	258	11	5.2	0	30.3	63
03/10/2023 08:00	4.6	255	8	5.6	0	30.4	64
03/10/2023 08:10	4.4	258	7	5.7	0	30.5	64
03/10/2023 08:20	4.3	258	8	5.3	0	30.6	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/10/2023 08:30	4.3	264	8	5.5	0	30.7	67
03/10/2023 08:40	4.5	273	7	5.7	0	31.1	68
03/10/2023 08:50	4.5	272	9	5.7	0	31.2	69
03/10/2023 09:00	4.2	269	12	5.4	0	31.6	70
03/10/2023 09:10	3.8	266	14	5.2	0	31.9	70
03/10/2023 09:20	3.3	270	13	4.9	0	32.2	70
03/10/2023 09:30	3.2	274	11	4.6	0	32.5	70
03/10/2023 09:40	3.4	285	13	4.9	0	32.8	70
03/10/2023 09:50	3.5	282	12	4.6	0	32.9	70
03/10/2023 10:00	3.3	279	15	5	0	33.2	69
03/10/2023 10:10	3.4	289	15	5.1	0	33.3	69
03/10/2023 10:20	3.5	274	15	4.9	0	33.5	69
03/10/2023 10:30	3.4	284	15	4.9	0	33.5	69
03/10/2023 10:40	3	295	20	4.6	0	33.7	68
03/10/2023 10:50	3.2	296	13	4.5	0	33.6	69
03/10/2023 11:00	3	294	14	4.4	0	33.7	68
03/10/2023 11:10	2.9	303	18	4.8	0	34.1	66
03/10/2023 11:20	2.6	286	21	4	0	34.8	63
03/10/2023 11:30	3	321	14	4.3	0	35.6	60
03/10/2023 11:40	3.1	319	11	4.3	0	35.5	60
03/10/2023 11:50	4	330	12	5.7	0	35.5	61
03/10/2023 12:00	4.4	320	9	6.3	0	34.5	68
03/10/2023 12:10	5.1	327	7	6.7	0	33.8	70
03/10/2023 12:20	5.2	322	7	7.2	0	33.5	70
03/10/2023 12:30	4.9	325	10	6.5	0	33.8	69
03/10/2023 12:40	4.7	326	11	6.9	0	34	68
03/10/2023 12:50	4.7	323	8	6.3	0	34.2	68
03/10/2023 13:00	4.6	329	9	6.2	0	34	70
03/10/2023 13:10	5	334	12	6.6	0	33.9	70
03/10/2023 13:20	5.4	326	8	7.2	0	34.1	69
03/10/2023 13:30	6	324	6	7.5	0	33.7	70
03/10/2023 13:40	5.6	327	8	7.6	0	33.8	70
03/10/2023 13:50	5.5	332	10	7.8	0	33.9	70
03/10/2023 14:00	5.8	330	9	7.8	0	33.9	70
03/10/2023 14:10	5.9	329	12	8.6	0	33.8	70
03/10/2023 14:20	6.1	326	11	8.4	0	34	70
03/10/2023 14:30	6.2	327	8	8	0	33.5	71
03/10/2023 14:40	6.8	331	8	8.5	0	33.3	71
03/10/2023 14:50	6.8	332	8	8.5	0	33.3	71
03/10/2023 15:00	7	324	6	9.3	0	33.1	71
03/10/2023 15:10	7.3	326	8	9.1	0	33	71
03/10/2023 15:20	6.4	320	11	8.7	0	33.3	71
03/10/2023 15:30	5.9	308	10	8.4	0	33.2	71
03/10/2023 15:40	5.9	312	12	8.4	0	33.3	71
03/10/2023 15:50	6	319	11	8.1	0	33.2	71
03/10/2023 16:00	5.7	318	13	7.9	0	33.4	67
03/10/2023 16:10	5.5	303	9	7.9	0	33.8	63
03/10/2023 16:20	5.2	317	12	7.6	0	34.1	65





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/10/2023 16:30	5.8	312	9	7.9	0	33.8	66
03/10/2023 16:40	5.8	314	8	7.5	0	33.4	68
03/10/2023 16:50	4.6	305	15	6.6	0	33.6	69
03/10/2023 17:00	5.2	302	10	7.4	0	33.5	69
03/10/2023 17:10	4.8	301	10	6.9	0	33.6	70
03/10/2023 17:20	4.9	306	12	7.6	0	33.2	71
03/10/2023 17:30	4.8	303	12	7.4	0	33.3	71
03/10/2023 17:40	5.6	290	7	7.8	0	33	71
03/10/2023 17:50	5.8	287	8	8.1	0	33.1	70
03/10/2023 18:00	5.5	290	6	7.5	0	32.8	72
03/10/2023 18:10	5.6	295	6	7	0	32.6	72
03/10/2023 18:20	5.7	293	8	7.5	0	32.6	71
03/10/2023 18:30	5.4	284	9	6.9	0	32.6	71
03/10/2023 18:40	5.6	274	6	7.7	0	32.6	71
03/10/2023 18:50	4.6	278	7	6.7	0	32.6	70
03/10/2023 19:00	6.7	273	7	8.9	0	32.7	67
03/10/2023 19:10	6.1	272	6	8.5	0	32.4	70
03/10/2023 19:20	6.4	275	8	8.8	0	32.3	68
03/10/2023 19:30	6.1	276	7	8.7	0	32.5	67
03/10/2023 19:40	6.1	283	7	8	0	32.5	64
03/10/2023 19:50	6.8	294	8	9.3	0	32.9	56
03/10/2023 20:00	6	294	8	8.5	0	33.2	56
03/10/2023 20:10	4.7	301	11	6.5	0	32.6	62
03/10/2023 20:20	4.7	309	12	7.5	0	32.2	64
03/10/2023 20:30	5	297	8	7.6	0	32	66
03/10/2023 20:40	6.8	292	8	9.9	0	32.4	63
03/10/2023 20:50	6.8	295	7	9.1	0	32.1	64
03/10/2023 21:00	7	296	7	8.9	0	32.1	65
03/10/2023 21:10	6.7	299	7	8.9	0	32	67
03/10/2023 21:20	5.8	298	10	8.3	0	32.1	67
03/10/2023 21:30	5.4	297	9	7.4	0	32.1	67
03/10/2023 21:40	4.6	306	12	7.4	0	31.9	69
03/10/2023 21:50	5.1	310	12	8.6	0	31.8	70
03/10/2023 22:00	5.7	299	10	8.4	0	32	69
03/10/2023 22:10	5.6	301	9	7.4	0	32	69
03/10/2023 22:20	5.5	297	8	7.1	0	31.8	71
03/10/2023 22:30	5.3	298	6	6.6	0	31.6	72
03/10/2023 22:40	4.4	292	5	5.8	0	31.5	72
03/10/2023 22:50	4.5	292	6	6	0	31.4	72
03/10/2023 23:00	4.5	282	5	5.7	0	31.3	70
03/10/2023 23:10	4.5	273	5	5.6	0	31.4	65
03/10/2023 23:20	4.6	268	5	5.6	0	31.3	64
03/10/2023 23:30	4.6	266	4	5.6	0	31.2	62
03/10/2023 23:40	3.9	266	4	4.9	0	30.8	63
03/10/2023 23:50	3.4	263	3	4.3	0	30.4	64
03/11/2023 00:00	3.7	267	2	4.3	0	30.1	65
03/11/2023 00:10	3.5	264	5	4.2	0	29.9	65
03/11/2023 00:20	3.2	251	11	4.6	0	30	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/11/2023 00:30	3.1	235	13	4.4	0	30.9	59
03/11/2023 00:40	3.8	220	15	6.3	0	32.3	51
03/11/2023 00:50	5.4	216	7	7.2	0	33.6	42
03/11/2023 01:00	4.7	214	7	6.5	0	33.2	41
03/11/2023 01:10	4.9	214	6	6	0	33.2	40
03/11/2023 01:20	4.8	213	7	6.3	0	33.1	40
03/11/2023 01:30	3.6	212	7	4.8	0	32.6	42
03/11/2023 01:40	3.4	212	7	4.6	0	32.2	45
03/11/2023 01:50	4	214	7	5.1	0	32.2	45
03/11/2023 02:00	4.3	213	7	5.4	0	32.1	46
03/11/2023 02:10	4.3	212	8	5.8	0	32	45
03/11/2023 02:20	4.4	211	8	6	0	32.1	41
03/11/2023 02:30	4.9	212	8	6.6	0	32.3	37
03/11/2023 02:40	4.6	212	9	6	0	32.5	36
03/11/2023 02:50	4.2	212	7	5.7	0	32.3	35
03/11/2023 03:00	4.6	213	7	5.6	0	32.5	34
03/11/2023 03:10	4.3	213	7	5.5	0	32.5	33
03/11/2023 03:20	4	212	9	5.3	0	32.3	32
03/11/2023 03:30	3.8	207	8	5.6	0	31.9	33
03/11/2023 03:40	3.8	206	8	5	0	31.8	32
03/11/2023 03:50	3.6	203	9	5.4	0	31.6	32
03/11/2023 04:00	3.8	201	9	5.6	0	31.7	31
03/11/2023 04:10	3.9	195	9	5.7	0	31.7	30
03/11/2023 04:20	3.8	198	10	5.7	0	31.7	30
03/11/2023 04:30	3.8	193	10	5.8	0	31.8	29
03/11/2023 04:40	3.6	191	9	4.9	0	31.5	30
03/11/2023 04:50	3.4	191	9	5	0	31.2	31
03/11/2023 05:00	3.4	189	9	4.9	0	31	31
03/11/2023 05:10	3.6	194	9	5.2	0	30.8	31
03/11/2023 05:20	3.9	197	9	5.7	0	30.9	31
03/11/2023 05:30	4	196	9	5.5	0	30.8	31
03/11/2023 05:40	3.7	191	9	5.3	0	30.7	31
03/11/2023 05:50	3.6	190	9	5.4	0	30.5	32
03/11/2023 06:00	3.3	189	10	4.5	0	30.2	32
03/11/2023 06:10	3.4	191	10	5	0	30.2	32
03/11/2023 06:20	2.9	182	12	4.1	0	30.2	32
03/11/2023 06:30	2.8	182	12	4.2	0	30.1	32
03/11/2023 06:40	2.8	185	13	4.6	0	30.3	32
03/11/2023 06:50	2.9	186	12	4.2	0	30.5	32
03/11/2023 07:00	2.7	186	12	4.1	0	30.8	31
03/11/2023 07:10	2.7	195	11	4	0	31.2	31
03/11/2023 07:20	2.6	192	13	4	0	31.5	31
03/11/2023 07:30	2.3	183	12	3.8	0	32	29
03/11/2023 07:40	3.1	175	12	4.3	0	32.5	27
03/11/2023 07:50	2.9	176	11	4.4	0	32.8	27
03/11/2023 08:00	3	177	12	4.1	0	33	27
03/11/2023 08:10	3.5	177	10	4.9	0	33.3	26
03/11/2023 08:20	3.3	179	12	4.9	0	33.8	25



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/11/2023 08:30	3.5	175	14	6.1	0	34.1	25
03/11/2023 08:40	3.9	171	14	6	0	34.5	24
03/11/2023 08:50	4	172	14	6.5	0	34.9	23
03/11/2023 09:00	3.1	161	16	4.9	0	35.3	24
03/11/2023 09:10	3.1	159	21	5.2	0	35.8	24
03/11/2023 09:20	3.4	168	17	5.2	0	35.9	24
03/11/2023 09:30	3.4	168	17	5.1	0	36.1	24
03/11/2023 09:40	3.1	161	19	5.7	0	36.8	23
03/11/2023 09:50	3.2	154	19	5.4	0	37.1	21
03/11/2023 10:00	3.3	146	14	5.3	0	37.2	21
03/11/2023 10:10	2.9	151	15	5	0	37.6	20
03/11/2023 10:20	2.7	143	17	4.7	0	38	20
03/11/2023 10:30	2.6	145	21	5.1	0	38.3	19
03/11/2023 10:40	2.4	140	21	4.2	0	38.7	18
03/11/2023 10:50	2.5	132	24	4.7	0	39.1	18
03/11/2023 11:00	3.2	130	18	5	0	39.1	18
03/11/2023 11:10	3	122	14	4.6	0	39.2	17
03/11/2023 11:20	3	135	17	4.7	0	39	18
03/11/2023 11:30	2.9	133	16	4.2	0	39.2	17
03/11/2023 11:40	2.5	122	15	4.2	0	39.6	17
03/11/2023 11:50	2.4	117	17	3.7	0	40	16
03/11/2023 12:00	2.1	133	23	3.2	0	40.3	15
03/11/2023 12:10	2.4	118	20	3.9	0	40.2	15
03/11/2023 12:20	2.5	98	17	4.2	0	39.9	15
03/11/2023 12:30	2.7	108	18	4.5	0	40.3	15
03/11/2023 12:40	2.5	114	23	4.2	0	40.5	15
03/11/2023 12:50	2.4	111	21	3.6	0	40.3	15
03/11/2023 13:00	2.3	110	19	4.7	0	41	15
03/11/2023 13:10	1.7	105	33	3.2	0	40.8	15
03/11/2023 13:20	1.9	115	33	3.3	0	41.1	15
03/11/2023 13:30	1.8	83	23	3.2	0	41.3	15
03/11/2023 13:40	2	114	32	3.8	0	42	14
03/11/2023 13:50	2.3	191	23	4.1	0	41.1	16
03/11/2023 14:00	3.9	304	17	5.4	0	40.4	17
03/11/2023 14:10	3.1	323	25	5.2	0	40.2	21
03/11/2023 14:20	4.1	293	12	6	0	39.8	22
03/11/2023 14:30	3.9	298	14	5.7	0	39.1	26
03/11/2023 14:40	3.9	300	18	6	0	39.2	25
03/11/2023 14:50	4.6	294	9	5.9	0	38.8	24
03/11/2023 15:00	4.4	294	9	5.7	0	38.9	22
03/11/2023 15:10	5.3	284	9	7.6	0	39.2	21
03/11/2023 15:20	5	290	9	6.5	0	39	21
03/11/2023 15:30	5	275	16	7.7	0	38.6	34
03/11/2023 15:40	5.7	267	10	8	0	37.9	36
03/11/2023 15:50	6.2	265	7	8.3	0	36.9	40
03/11/2023 16:00	7	265	9	8.6	0	36.7	40
03/11/2023 16:10	7.5	262	5	9.6	0	36.7	37
03/11/2023 16:20	7.6	268	7	9.5	0	36.5	35



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/11/2023 16:30	7.7	268	8	9.9	0	36.5	34
03/11/2023 16:40	7.7	267	8	10.1	0	36.3	34
03/11/2023 16:50	8.4	266	7	10.2	0	35.5	39
03/11/2023 17:00	7.9	262	5	10	0	34.9	44
03/11/2023 17:10	7.5	267	6	9.9	0	34.9	43
03/11/2023 17:20	7.3	269	7	9.3	0	35.1	41
03/11/2023 17:30	7.3	272	7	8.7	0	35	41
03/11/2023 17:40	6.7	266	8	8.4	0	35	42
03/11/2023 17:50	6.6	268	6	8.2	0	34.4	46
03/11/2023 18:00	5.8	271	7	7.8	0	34.3	46
03/11/2023 18:10	5.3	281	8	7.7	0	34.1	48
03/11/2023 18:20	5.2	282	7	7.1	0	33.7	49
03/11/2023 18:30	5	286	7	6.9	0	33.3	49
03/11/2023 18:40	5.1	290	7	6.9	0	33.2	46
03/11/2023 18:50	5.2	291	7	7.2	0	33.1	48
03/11/2023 19:00	4.9	287	8	6.4	0	32.9	51
03/11/2023 19:10	6.2	272	7	8.9	0	32.8	47
03/11/2023 19:20	5.9	276	8	7.9	0	32.6	50
03/11/2023 19:30	5.4	277	10	7.4	0	32.4	52
03/11/2023 19:40	4.6	283	7	6.3	0	32	54
03/11/2023 19:50	5.3	288	7	7.6	0	31.7	58
03/11/2023 20:00	5.2	286	7	7.1	0	31.5	61
03/11/2023 20:10	5.6	282	7	7.6	0	31.3	63
03/11/2023 20:20	5.4	284	8	7.2	0	31.2	65
03/11/2023 20:30	5.7	286	7	7.6	0	31	66
03/11/2023 20:40	5.2	283	7	7.3	0	30.9	67
03/11/2023 20:50	5.4	280	8	7.5	0	30.9	68
03/11/2023 21:00	6.1	277	7	8.1	0	31	67
03/11/2023 21:10	5.9	281	7	8	0	30.9	68
03/11/2023 21:20	5.9	276	7	8	0	31	67
03/11/2023 21:30	6	279	7	7.7	0	30.9	68
03/11/2023 21:40	5.8	281	7	7.9	0	30.9	68
03/11/2023 21:50	5.4	282	7	7.6	0	30.8	70
03/11/2023 22:00	5.9	281	7	7.4	0	30.7	71
03/11/2023 22:10	6.1	283	6	8.6	0	30.6	71
03/11/2023 22:20	5.5	282	7	7.6	0	30.5	71
03/11/2023 22:30	6.1	280	7	8.1	0	30.5	71
03/11/2023 22:40	6.1	275	6	8.2	0	30.7	71
03/11/2023 22:50	6.1	280	5	7.9	0	30.6	71
03/11/2023 23:00	6.8	275	7	8.8	0	30.7	71
03/11/2023 23:10	6.1	273	7	8.5	0	30.7	71
03/11/2023 23:20	5.7	272	7	7.6	0	30.6	70
03/11/2023 23:30	5.9	266	7	7.6	0	30.7	71
03/11/2023 23:40	6.1	272	6	7.5	0	30.7	71
03/11/2023 23:50	5.2	265	5	7.3	0	30.7	70
03/12/2023 00:00	5.2	267	6	6.9	0	30.6	70
03/12/2023 00:10	5	267	7	6.6	0	30.6	70
03/12/2023 00:20	4.2	267	6	5.7	0	30.6	69



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/12/2023 00:30	4.1	265	6	5.6	0	30.5	68
03/12/2023 00:40	3.6	260	5	4.5	0	30.4	67
03/12/2023 00:50	3.7	259	5	4.7	0	30.3	65
03/12/2023 01:00	3.8	262	4	4.5	0	30.1	64
03/12/2023 01:10	4	263	5	5.3	0	30.1	64
03/12/2023 01:20	3.9	264	5	5.3	0	29.9	66
03/12/2023 01:30	4.2	268	5	5.4	0	29.6	69
03/12/2023 01:40	4.9	263	6	6.2	0	29.3	69
03/12/2023 01:50	4.5	263	5	5.5	0	29	66
03/12/2023 02:00	4.6	268	6	5.6	0	29.1	62
03/12/2023 02:10	4.5	269	5	5.7	0	29	61
03/12/2023 02:20	5	271	4	6.1	0	28.9	61
03/12/2023 02:30	5.2	275	4	6.1	0	28.7	62
03/12/2023 02:40	5.3	276	4	6.4	0	28.6	63
03/12/2023 02:50	5.3	277	5	6.4	0	28.5	63
03/12/2023 03:00	4.9	276	6	6	0	28.5	61
03/12/2023 03:10	5.2	276	5	6.8	0	28.6	57
03/12/2023 03:20	5.2	275	5	6.3	0	28.6	54
03/12/2023 03:30	4.8	276	5	5.9	0	28.5	51
03/12/2023 03:40	4.4	280	6	5.9	0	28.3	51
03/12/2023 03:50	4.2	281	8	5.4	0	28.3	51
03/12/2023 04:00	3.5	274	9	5	0	28.2	53
03/12/2023 04:10	3.3	275	9	4.6	0	28.1	53
03/12/2023 04:20	3.5	275	7	4.8	0	27.9	55
03/12/2023 04:30	3.8	277	6	4.9	0	27.8	55
03/12/2023 04:40	3.8	278	5	4.5	0	27.8	54
03/12/2023 04:50	3.8	280	5	4.6	0	27.9	52
03/12/2023 05:00	3.9	279	5	4.6	0	27.9	51
03/12/2023 05:10	3.6	279	6	4.4	0	28	48
03/12/2023 05:20	3.3	275	7	4.2	0	28.2	46
03/12/2023 05:30	3.1	276	5	3.7	0	28.1	47
03/12/2023 05:40	3.6	266	4	4	0	28.1	47
03/12/2023 05:50	3.4	265	4	3.9	0	27.9	49
03/12/2023 06:00	2.9	267	4	3.6	0	27.4	51
03/12/2023 06:10	2.1	268	5	2.5	0	26.9	52
03/12/2023 06:20	1.8	272	7	2.5	0	26.9	51
03/12/2023 06:30	2.5	280	7	3.5	0	27.2	48
03/12/2023 06:40	3	275	6	3.9	0	28.3	44
03/12/2023 06:50	2.7	265	7	3.5	0	28.1	49
03/12/2023 07:00	2.5	262	3	2.8	0	28.1	48
03/12/2023 07:10	1.7	269	4	2.3	0	28.2	46
03/12/2023 07:20	1.6	272	6	2	0	28.6	47
03/12/2023 07:30	1.5	242	13	2	0	29.2	48
03/12/2023 07:40	1.6	268	12	2.1	0	30	47
03/12/2023 07:50	1.8	279	8	2.3	0	30.3	44
03/12/2023 08:00	1.4	277	12	1.8	0	31.3	36
03/12/2023 08:10	1.2	263	21	1.9	0	32.2	32
03/12/2023 08:20	0.9	194	35	1.7	0	32.8	30



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/12/2023 08:30	1.5	155	24	2.6	0	32.9	31
03/12/2023 08:40	1.8	124	20	3	0	33.2	30
03/12/2023 08:50	2	116	21	3.2	0	33.6	28
03/12/2023 09:00	2.4	113	16	3.6	0	33.7	27
03/12/2023 09:10	2	111	23	3.2	0	33.6	31
03/12/2023 09:20	2.3	109	23	3.4	0	33.7	30
03/12/2023 09:30	2.4	102	14	3.5	0	33.4	31
03/12/2023 09:40	2.4	103	15	3.4	0	33.5	32
03/12/2023 09:50	2.5	99	17	3.4	0	33.8	33
03/12/2023 10:00	2.9	85	15	4.5	0	33.6	34
03/12/2023 10:10	3.2	83	12	4.8	0	33.5	33
03/12/2023 10:20	3.2	91	11	5.2	0	34.2	29
03/12/2023 10:30	2.8	90	20	3.9	0	34.8	29
03/12/2023 10:40	3.4	71	13	4.9	0	34.7	32
03/12/2023 10:50	3.7	89	9	5.5	0	34.6	35
03/12/2023 11:00	4.4	80	12	6.3	0	34.4	37
03/12/2023 11:10	4	72	14	5.5	0	34.8	39
03/12/2023 11:20	4.1	65	14	5.6	0	34.6	42
03/12/2023 11:30	4.4	60	13	6	0	34.7	42
03/12/2023 11:40	4.3	77	14	6	0	35.7	36
03/12/2023 11:50	5.6	74	8	7.1	0	36	32
03/12/2023 12:00	5.7	79	9	7.6	0	36.3	32
03/12/2023 12:10	6.5	74	7	8.3	0	36.1	33
03/12/2023 12:20	6	78	10	8.3	0	36.3	36
03/12/2023 12:30	5.9	79	11	7.6	0	36.4	38
03/12/2023 12:40	5.9	57	9	7.8	0	35.8	42
03/12/2023 12:50	6.2	56	8	8	0	35.2	45
03/12/2023 13:00	6.2	55	8	8.2	0	35.1	46
03/12/2023 13:10	6.2	58	9	9	0	35.3	47
03/12/2023 13:20	6.9	57	7	8.9	0	35.1	47
03/12/2023 13:30	7	57	9	9.1	0	34.8	49
03/12/2023 13:40	6.8	57	8	9	0	34.9	49
03/12/2023 13:50	7.1	57	6	9.2	0	34.9	49
03/12/2023 14:00	6.7	59	7	8.8	0	35	50
03/12/2023 14:10	6.7	61	9	8.9	0	35.1	50
03/12/2023 14:20	7.2	61	9	10.3	0	35.4	49
03/12/2023 14:30	8.1	61	8	10.2	0	35.2	49
03/12/2023 14:40	7.7	60	8	9.9	0	35.5	49
03/12/2023 14:50	7.6	62	8	10.7	0	35.6	50
03/12/2023 15:00	8.1	56	6	10.3	0	35.4	48
03/12/2023 15:10	7.4	59	8	10.4	0	35.5	47
03/12/2023 15:20	6.7	58	8	9	0	36	45
03/12/2023 15:30	6.6	59	7	8.8	0	36.2	42
03/12/2023 15:40	6.2	63	8	7.9	0	36.4	39
03/12/2023 15:50	5.6	64	8	7.8	0	37.1	36
03/12/2023 16:00	4.6	48	13	6.2	0	37.8	32
03/12/2023 16:10	5.3	28	12	6.9	0	37.6	33
03/12/2023 16:20	5.8	11	9	7.1	0	36.9	33



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/12/2023 16:30	5.9	11	8	7.8	0	36.5	32
03/12/2023 16:40	5.5	185	11	7.1	0	35.9	41
03/12/2023 16:50	5.2	180	10	7.1	0	35.1	47
03/12/2023 17:00	5	10	9	6.9	0	34.6	50
03/12/2023 17:10	5	355	9	6.5	0	34.5	50
03/12/2023 17:20	4.9	342	9	6.4	0	34.4	48
03/12/2023 17:30	5.5	335	9	7.1	0	34.3	41
03/12/2023 17:40	5	333	9	7.3	0	33.1	57
03/12/2023 17:50	6	334	9	8	0	32.3	63
03/12/2023 18:00	6	333	9	7.9	0	31.9	67
03/12/2023 18:10	5.9	328	7	7.8	0	31.8	67
03/12/2023 18:20	6.6	332	7	7.8	0	31.4	69
03/12/2023 18:30	5.4	327	9	7.5	0	31.1	70
03/12/2023 18:40	4.5	321	9	6.7	0	31.1	70
03/12/2023 18:50	5.6	321	6	7.4	0	30.9	70
03/12/2023 19:00	4.5	311	10	6.5	0	30.9	68
03/12/2023 19:10	4.3	300	9	5.9	0	31.2	65
03/12/2023 19:20	4.3	299	9	6.2	0	31.2	67
03/12/2023 19:30	4.3	298	11	6.2	0	31.1	66
03/12/2023 19:40	4.5	285	7	5.8	0	31.2	63
03/12/2023 19:50	3.9	288	6	5.2	0	30.9	67
03/12/2023 20:00	3.9	287	7	5.4	0	30.8	67
03/12/2023 20:10	3.9	279	6	5.2	0	30.8	68
03/12/2023 20:20	4.4	269	6	5.9	0	30.8	70
03/12/2023 20:30	4.9	265	4	6.2	0	30.6	70
03/12/2023 20:40	4.4	271	6	5.8	0	30.5	70
03/12/2023 20:50	4.2	274	6	6.1	0	30.4	69
03/12/2023 21:00	4.5	270	6	6.1	0	30.5	69
03/12/2023 21:10	4.6	266	5	6.1	0	30.5	68
03/12/2023 21:20	4.6	266	5	6	0	30.5	67
03/12/2023 21:30	4.3	273	5	5.5	0	30.5	67
03/12/2023 21:40	4.5	272	5	5.7	0	30.5	66
03/12/2023 21:50	4.5	270	5	6.1	0	30.6	65
03/12/2023 22:00	4.2	273	4	5.6	0	30.6	65
03/12/2023 22:10	3.6	279	6	4.8	0	30.4	65
03/12/2023 22:20	4	276	6	5.3	0	30.4	64
03/12/2023 22:30	4.8	270	4	5.9	0	30.5	64
03/12/2023 22:40	4.7	271	5	6	0	30.6	63
03/12/2023 22:50	4.1	275	5	5.3	0	30.6	63
03/12/2023 23:00	3.9	271	4	5	0	30.5	62
03/12/2023 23:10	3.6	269	4	4.7	0	30.5	61
03/12/2023 23:20	2.9	269	5	3.5	0	30.3	62
03/12/2023 23:30	3.1	265	5	3.8	0	30.2	62
03/12/2023 23:40	2.6	258	4	3.2	0	29.8	64
03/12/2023 23:50	2.8	259	3	3.2	0	29.4	66
13/03/2023 00:00	2.9	259	4	3.4	0	29.4	66
13/03/2023 00:10	2.6	261	5	3.3	0	29.3	67
13/03/2023 00:20	2.2	266	6	2.9	0	29.1	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/03/2023 00:30	2.7	261	7	3.7	0	29.2	66
13/03/2023 00:40	3	256	7	4.3	0	29.2	66
13/03/2023 00:50	3.1	258	6	4.2	0	29.2	66
13/03/2023 01:00	2.3	268	7	2.9	0	29	68
13/03/2023 01:10	2.2	280	5	2.7	0	29	70
13/03/2023 01:20	2.7	272	4	3.3	0	28.9	71
13/03/2023 01:30	2.4	277	6	3.1	0	28.9	72
13/03/2023 01:40	2.1	294	6	2.5	0	28.9	72
13/03/2023 01:50	1.5	279	8	2	0	29.1	72
13/03/2023 02:00	2	265	5	2.7	0	29.2	72
13/03/2023 02:10	1.7	271	4	2	0	29	72
13/03/2023 02:20	1.9	270	5	2.6	0	28.9	72
13/03/2023 02:30	1.9	271	4	2.2	0	28.9	72
13/03/2023 02:40	1.3	278	8	1.8	0	28.9	72
13/03/2023 02:50	1.5	277	3	1.8	0	28.9	71
13/03/2023 03:00	1.2	268	5	1.6	0	28.7	70
13/03/2023 03:10	1.1	271	8	1.3	0	28.6	69
13/03/2023 03:20	1.1	311	12	1.5	0	28.6	68
13/03/2023 03:30	1.6	283	3	1.9	0	28.7	68
13/03/2023 03:40	1.5	290	6	1.8	0	28.7	67
13/03/2023 03:50	0.8	193	19	1.2	0	28.6	67
13/03/2023 04:00	1.2	50	7	1.6	0	28.1	65
13/03/2023 04:10	0.6	69	52	1.2	0	28	63
13/03/2023 04:20	1.2	182	16	2	0	28.4	59
13/03/2023 04:30	0.5	38	31	0.8	0	28.2	57
13/03/2023 04:40	0.5	341	22	1.1	0	28.1	54
13/03/2023 04:50	1.5	330	9	2.1	0	28.5	51
13/03/2023 05:00	2.1	341	6	2.7	0	28.6	50
13/03/2023 05:10	1.2	212	20	2	0	28.5	49
13/03/2023 05:20	1.1	71	8	1.5	0	28.1	49
13/03/2023 05:30	1.1	49	7	1.3	0	28.1	47
13/03/2023 05:40	1.2	31	8	1.5	0	28.1	45
13/03/2023 05:50	1.7	28	8	2.5	0	28.3	44
13/03/2023 06:00	2	39	10	2.8	0	28.2	43
13/03/2023 06:10	2.1	17	7	2.7	0	28.4	41
13/03/2023 06:20	2	188	8	2.6	0	28.3	40
13/03/2023 06:30	2.5	3	6	2.9	0	28.4	39
13/03/2023 06:40	2.4	183	8	3.2	0	28.5	39
13/03/2023 06:50	2.2	19	8	2.8	0	28.7	41
13/03/2023 07:00	2.5	14	11	3.2	0	28.9	43
13/03/2023 07:10	2.7	20	15	4.6	0	29.2	46
13/03/2023 07:20	3.7	12	9	5	0	29.4	51
13/03/2023 07:30	3.9	13	7	4.7	0	29.4	55
13/03/2023 07:40	3.3	14	8	4.4	0	29.7	59
13/03/2023 07:50	3.1	10	12	4.4	0	30.1	63
13/03/2023 08:00	3.2	15	8	4	0	30.3	66
13/03/2023 08:10	2.8	14	10	3.7	0	30.6	68
13/03/2023 08:20	2.6	17	11	3.3	0	30.9	69





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/03/2023 08:30	2.2	19	20	3.3	0	31.5	67
13/03/2023 08:40	1.6	51	43	3.1	0	31.7	66
13/03/2023 08:50	1.3	34	38	2.7	0	32.3	64
13/03/2023 09:00	1.7	55	24	2.8	0	33.1	58
13/03/2023 09:10	1.5	172	31	2.6	0	32.7	62
13/03/2023 09:20	2.1	83	21	3.3	0	33.4	53
13/03/2023 09:30	2.9	99	16	4.5	0	34.4	42
13/03/2023 09:40	2.9	79	13	4.5	0	34.1	44
13/03/2023 09:50	2.9	94	14	4.3	0	34.1	47
13/03/2023 10:00	3.5	99	14	5.1	0	34	47
13/03/2023 10:10	3	111	14	4.6	0	33.6	49
13/03/2023 10:20	3.1	109	13	4.6	0	33.9	50
13/03/2023 10:30	3.1	112	14	4.8	0	34	50
13/03/2023 10:40	3.3	103	17	4.5	0	34.1	52
13/03/2023 10:50	3.3	74	14	4.9	0	34	54
13/03/2023 11:00	3.7	74	15	5.5	0	33.5	55
13/03/2023 11:10	3.8	55	14	5.2	0	33.4	55
13/03/2023 11:20	3.5	55	13	5.2	0	33.3	52
13/03/2023 11:30	4.2	60	10	5.7	0	33.9	48
13/03/2023 11:40	4.2	70	14	6	0	34.3	44
13/03/2023 11:50	3.7	68	13	5.1	0	34.7	42
13/03/2023 12:00	4.1	64	11	5.6	0	34.8	43
13/03/2023 12:10	4.5	64	10	5.9	0	34.5	43
13/03/2023 12:20	5.1	65	9	6.4	0	34.4	47
13/03/2023 12:30	4.9	65	11	6.9	0	34.3	49
13/03/2023 12:40	3.8	26	25	6.2	0	34.3	58
13/03/2023 12:50	3.6	15	15	5.4	0	33.9	61
13/03/2023 13:00	3.4	6	14	5	0	33.8	61
13/03/2023 13:10	3.9	12	15	5.9	0	34	61
13/03/2023 13:20	4.3	17	10	5.7	0	33.8	61
13/03/2023 13:30	4	184	14	5.9	0	33.7	61
13/03/2023 13:40	4.5	6	12	6.5	0	33.4	62
13/03/2023 13:50	4.7	12	10	6.8	0	33.4	63
13/03/2023 14:00	4.3	10	14	6.4	0	33.6	62
13/03/2023 14:10	4.9	13	9	6.8	0	33.3	63
13/03/2023 14:20	5.1	15	9	6.9	0	33.4	63
13/03/2023 14:30	5.1	16	9	6.6	0	33.3	63
13/03/2023 14:40	4.3	16	12	5.8	0	33.9	60
13/03/2023 14:50	4.7	16	9	6.3	0	33.9	60
13/03/2023 15:00	4.6	14	13	6.1	0	33.6	60
13/03/2023 15:10	5	18	9	6.9	0	33.6	60
13/03/2023 15:20	5.7	14	8	7.2	0	33.6	60
13/03/2023 15:30	5.7	10	9	7.1	0	33.4	60
13/03/2023 15:40	5	4	15	7	0	33.4	62
13/03/2023 15:50	5.4	6	13	6.9	0	33.1	62
13/03/2023 16:00	5	181	17	7.4	0	33.2	61
13/03/2023 16:10	5.4	339	13	7.8	0	32.3	68
13/03/2023 16:20	5.2	349	12	7.3	0	32.1	68



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/03/2023 16:30	4.3	345	15	7	0	32.5	67
13/03/2023 16:40	4.2	329	15	6.7	0	32	69
13/03/2023 16:50	4.7	339	14	7.5	0	31.8	69
13/03/2023 17:00	5.4	332	11	8.4	0	31.3	70
13/03/2023 17:10	6.3	340	11	8.5	0	31.1	70
13/03/2023 17:20	7.1	329	9	9.7	0	31.1	70
13/03/2023 17:30	7.3	334	9	10.5	0	31	70
13/03/2023 17:40	7.6	334	7	9.9	0	30.8	70
13/03/2023 17:50	7.6	333	7	9.8	0	30.7	69
13/03/2023 18:00	7.3	331	9	9.5	0	30.5	69
13/03/2023 18:10	7.1	327	8	9.8	0	30.4	69
13/03/2023 18:20	6.4	326	8	9.3	0	30.3	69
13/03/2023 18:30	6.4	325	10	8.8	0	30.2	68
13/03/2023 18:40	5.8	322	9	8	0	30.2	69
13/03/2023 18:50	4.9	317	10	7.6	0	30.2	69
13/03/2023 19:00	5.5	318	9	7.9	0	30.1	68
13/03/2023 19:10	5.5	322	11	8	0	30.1	68
13/03/2023 19:20	5.3	319	10	8.3	0	30	69
13/03/2023 19:30	5.8	314	9	8.5	0	30	69
13/03/2023 19:40	4.9	307	10	7.7	0	30.1	69
13/03/2023 19:50	4.9	308	9	7.6	0	30	69
13/03/2023 20:00	5	307	9	6.9	0	30	70
13/03/2023 20:10	5	306	9	6.8	0	29.9	70
13/03/2023 20:20	4.7	307	11	6.7	0	30.1	69
13/03/2023 20:30	4.7	302	10	6.7	0	29.9	69
13/03/2023 20:40	4.8	308	10	6.9	0	30	70
13/03/2023 20:50	4.8	306	10	7.7	0	29.9	69
13/03/2023 21:00	4.6	296	10	6	0	29.9	69
13/03/2023 21:10	5	290	7	6.7	0	29.8	68
13/03/2023 21:20	5.1	291	9	6.7	0	29.7	66
13/03/2023 21:30	5.1	282	7	7	0	29.6	64
13/03/2023 21:40	4.8	278	7	6.6	0	29.6	63
13/03/2023 21:50	4.7	284	8	6.5	0	29.5	64
13/03/2023 22:00	4.6	277	6	6.2	0	29.5	63
13/03/2023 22:10	5.7	278	6	6.8	0	29.5	64
13/03/2023 22:20	5.3	278	6	7.1	0	29.5	62
13/03/2023 22:30	4.7	276	7	6.4	0	29.5	59
13/03/2023 22:40	6.1	275	6	7.4	0	29.4	59
13/03/2023 22:50	5.4	277	7	7.2	0	29.5	58
13/03/2023 23:00	4.7	272	7	6.1	0	29.5	57
13/03/2023 23:10	5	272	7	6.4	0	29.4	58
13/03/2023 23:20	4.8	267	6	6.4	0	29.4	57
13/03/2023 23:30	4.1	271	7	5.6	0	29.4	58
13/03/2023 23:40	4.9	268	6	6.5	0	29.4	59
13/03/2023 23:50	4.6	268	6	5.9	0	29.4	59
14/03/2023 00:00	4.4	264	6	5.6	0	29.4	59
14/03/2023 00:10	4.1	258	8	5.4	0	29.3	58
14/03/2023 00:20	3.9	257	8	5.4	0	29.2	56



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/03/2023 00:30	3.9	253	9	5.1	0	29.1	56
14/03/2023 00:40	3.4	242	11	4.8	0	29.2	55
14/03/2023 00:50	3.7	234	10	5.3	0	29.1	54
14/03/2023 01:00	3.2	245	12	4.7	0	29	53
14/03/2023 01:10	3.4	258	11	4.8	0	28.8	51
14/03/2023 01:20	3.8	259	8	5.2	0	28.6	48
14/03/2023 01:30	3.9	259	8	5.2	0	28.5	46
14/03/2023 01:40	4.1	255	9	5.8	0	28.5	44
14/03/2023 01:50	3.7	253	10	5.5	0	28.5	43
14/03/2023 02:00	3.8	253	8	4.8	0	28.4	43
14/03/2023 02:10	4.1	256	7	5.5	0	28.4	42
14/03/2023 02:20	4.1	260	6	5.1	0	28.4	41
14/03/2023 02:30	4	256	7	5.2	0	28.4	40
14/03/2023 02:40	4	258	8	5.3	0	28.3	40
14/03/2023 02:50	3.8	258	7	4.6	0	28.3	41
14/03/2023 03:00	4	258	6	5	0	28.2	43
14/03/2023 03:10	4.1	258	6	5.2	0	28.1	44
14/03/2023 03:20	4.5	258	5	5.5	0	28.1	46
14/03/2023 03:30	4.5	257	6	5.7	0	28	48
14/03/2023 03:40	4.8	256	6	5.9	0	27.9	50
14/03/2023 03:50	4.4	255	7	5.4	0	27.9	52
14/03/2023 04:00	4.3	253	6	5.5	0	27.9	53
14/03/2023 04:10	3.9	253	8	5.7	0	27.9	53
14/03/2023 04:20	3.3	252	10	4.6	0	27.9	53
14/03/2023 04:30	3.4	250	12	4.8	0	28	52
14/03/2023 04:40	3.7	255	10	5	0	28	52
14/03/2023 04:50	3.8	255	6	4.8	0	27.9	51
14/03/2023 05:00	3.5	258	6	4.5	0	27.8	49
14/03/2023 05:10	3.2	260	6	4.3	0	27.8	47
14/03/2023 05:20	2.4	256	9	3.3	0	27.7	46
14/03/2023 05:30	2.9	264	7	3.6	0	27.6	46
14/03/2023 05:40	2.5	268	6	3.4	0	27.5	46
14/03/2023 05:50	3.1	268	4	3.7	0	27.5	45
14/03/2023 06:00	2.1	269	8	2.9	0	27.4	44
14/03/2023 06:10	2.1	266	7	3	0	27.3	43
14/03/2023 06:20	1.7	269	11	2.5	0	27.3	43
14/03/2023 06:30	0.8	222	32	1.4	0	27.3	41
14/03/2023 06:40	1.4	232	16	2	0	27.7	43
14/03/2023 06:50	1	253	23	1.6	0	28	46
14/03/2023 07:00	0.7	278	28	1.3	0	28.4	50
14/03/2023 07:10	2	246	12	3	0	28.7	55
14/03/2023 07:20	2.2	261	11	3	0	28.9	58
14/03/2023 07:30	1.7	270	15	2.3	0	29.3	62
14/03/2023 07:40	1.7	280	14	2.6	0	29.6	65
14/03/2023 07:50	1.8	274	22	2.9	0	29.9	68
14/03/2023 08:00	1.6	285	17	2.5	0	30.2	69
14/03/2023 08:10	1.3	236	38	2.2	0	30.7	68
14/03/2023 08:20	1.1	274	32	1.8	0	31.2	67



# Yara Pilbara Nitrates- Western Boundary 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/03/2023 08:30	1.4	248	39	2.7	0	31.1	65
14/03/2023 08:40	1	185	24	2.1	0	31.8	62
14/03/2023 08:50	1.2	313	36	2.1	0	32.3	55
14/03/2023 09:00	1.2	163	39	2.2	0	33.2	56
14/03/2023 09:10	2.6	66	14	3.8	0	32.8	62
14/03/2023 09:20	3.4	60	12	4.8	0	32.3	64
14/03/2023 09:30	3.3	73	12	4.5	0	32.5	64
14/03/2023 09:40	2.9	42	26	4.5	0	32.7	63
14/03/2023 09:50	2.5	191	23	4.1	0	33	58
14/03/2023 10:00	1.8	26	34	3.1	0	33.6	56
14/03/2023 10:10	4.1	90	13	5.6	0	33.5	61
14/03/2023 10:20	4.2	85	8	5.5	0	32.8	63
14/03/2023 10:30	3.9	89	9	5.8	0	32.7	64
14/03/2023 10:40	3.7	84	10	5	0	33.3	63
14/03/2023 10:50	3.8	83	11	5.4	0	33	64
14/03/2023 11:00	3.6	88	13	4.9	0	33.4	62
14/03/2023 11:10	3.5	63	11	4.9	0	33.3	61
14/03/2023 11:20	3.2	61	15	4.6	0	33.5	60
14/03/2023 11:30	3.2	66	17	5	0	34.2	57
14/03/2023 11:40	3.9	68	12	5.4	0	34.3	56
14/03/2023 11:50	3.8	53	22	5.2	0	34.3	58
14/03/2023 12:00	3.9	181	28	6	0	34.2	65
14/03/2023 12:10	4.7	180	13	6.8	0	33.1	69
14/03/2023 12:20	4.5	10	13	6	0	33.3	68
14/03/2023 12:30	4.3	13	11	5.9	0	33.6	66
14/03/2023 12:40	4.4	183	11	5.9	0	33.5	65
14/03/2023 12:50	4.9	182	13	6.3	0	33.5	65
14/03/2023 13:00	5	6	13	6.9	0	33.4	64
14/03/2023 13:10	5.4	11	12	7	0	33.6	63
14/03/2023 13:20	5.4	7	14	7.2	0	33.6	64
14/03/2023 13:30	5.9	11	11	8	0	34	62
14/03/2023 13:40	6.2	11	10	8	0	33.7	62
14/03/2023 13:50	6	15	8	7.8	0	33.6	62
14/03/2023 14:00	5.2	357	18	7.1	0	33.7	61
14/03/2023 14:10	5.6	338	11	8.1	0	33.4	64
14/03/2023 14:20	5.4	334	11	7.7	0	33.4	62
14/03/2023 14:30	5	329	12	7	0	33.2	65
14/03/2023 14:40	5.6	327	9	7.6	0	32.8	67
14/03/2023 14:50	5.9	328	11	8.4	0	32.6	67
14/03/2023 15:00	6.2	327	12	9.5	0	32.8	67
14/03/2023 15:10	6.6	328	11	9.1	0	32.4	68
14/03/2023 15:20	7.3	323	9	9.2	0	32	70
14/03/2023 15:30	7.2	325	11	9.4	0	32	70
14/03/2023 15:40	6.3	319	10	9.2	0	32	70
14/03/2023 15:50	6.9	324	9	8.9	0	32.2	69
14/03/2023 16:00	7.1	329	10	9.5	0	32.1	70
14/03/2023 16:10	6.3	329	9	9.2	0	32.2	70
14/03/2023 16:20	7.1	329	11	10	0	32.1	70



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/03/2023 16:30	6.5	312	12	9.3	0	32	70
14/03/2023 16:40	6.5	314	12	9.2	0	31.9	69
14/03/2023 16:50	7.1	322	8	9.6	0	32	69
14/03/2023 17:00	6	316	14	9	0	31.8	70
14/03/2023 17:10	6.1	319	13	8.3	0	31.7	70
14/03/2023 17:20	6.5	309	8	9	0	31.5	70
14/03/2023 17:30	6.2	308	9	9.1	0	31.5	70
14/03/2023 17:40	6.4	311	10	9.2	0	31.5	71
14/03/2023 17:50	5.8	303	14	8.4	0	31.4	71
14/03/2023 18:00	5.3	308	11	8.2	0	31.2	70
14/03/2023 18:10	5.5	303	11	8.2	0	30.8	69
14/03/2023 18:20	6.6	307	10	8.8	0	30.5	69
14/03/2023 18:30	5.6	305	10	8.2	0	30.5	68
14/03/2023 18:40	5.5	305	10	8.3	0	30.3	66
14/03/2023 18:50	5	306	11	7.5	0	30.3	65
14/03/2023 19:00	5.3	302	11	8.1	0	30.2	65
14/03/2023 19:10	5.7	294	9	7.8	0	30.2	63
14/03/2023 19:20	5.6	292	8	8	0	30.1	62
14/03/2023 19:30	5.7	292	9	7.5	0	30	61
14/03/2023 19:40	5.9	286	7	7.6	0	30	59
14/03/2023 19:50	6.3	277	6	7.8	0	30	59
14/03/2023 20:00	5.7	282	8	7.6	0	29.9	60
14/03/2023 20:10	5.5	278	9	8	0	29.9	60
14/03/2023 20:20	5.9	276	6	7.5	0	29.9	61
14/03/2023 20:30	5.6	279	7	7.2	0	29.9	60
14/03/2023 20:40	5.6	276	6	7.3	0	29.9	58
14/03/2023 20:50	5.4	277	5	6.7	0	29.8	58
14/03/2023 21:00	5.2	275	6	6.7	0	29.8	58
14/03/2023 21:10	5.4	275	6	6.6	0	29.8	58
14/03/2023 21:20	5.3	272	6	6.7	0	29.8	59
14/03/2023 21:30	5.6	270	5	6.9	0	29.8	59
14/03/2023 21:40	5.1	272	6	7.1	0	29.9	59
14/03/2023 21:50	5.4	274	5	6.8	0	29.8	60
14/03/2023 22:00	5.6	272	5	6.8	0	29.8	60
14/03/2023 22:10	5	273	6	6.5	0	29.8	60
14/03/2023 22:20	5.3	270	7	7	0	29.8	59
14/03/2023 22:30	5.3	273	6	6.9	0	29.7	58
14/03/2023 22:40	5.2	274	5	6.8	0	29.7	58
14/03/2023 22:50	5	270	6	6.5	0	29.6	59
14/03/2023 23:00	4.9	272	5	6.6	0	29.6	61
14/03/2023 23:10	4.7	272	5	6	0	29.6	63
14/03/2023 23:20	5	263	5	6.3	0	29.7	63
14/03/2023 23:30	4.5	261	6	5.5	0	29.6	63
14/03/2023 23:40	4.3	260	5	5.7	0	29.3	60
14/03/2023 23:50	4.3	255	8	5.7	0	29.2	59
15/03/2023 00:00	4	257	6	5.1	0	29.1	59
15/03/2023 00:10	3.9	242	7	4.9	0	29.3	59
15/03/2023 00:20	3.5	236	11	5.1	0	29.4	59



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/03/2023 00:30	3.2	257	10	4.3	0	29	57
15/03/2023 00:40	3.2	259	8	4.3	0	28.8	52
15/03/2023 00:50	3.2	258	9	4.3	0	28.7	49
15/03/2023 01:00	3.2	259	6	4.1	0	28.7	46
15/03/2023 01:10	3.1	264	6	4.2	0	28.6	43
15/03/2023 01:20	3.2	267	7	4	0	28.6	40
15/03/2023 01:30	3.6	266	6	4.5	0	28.6	38
15/03/2023 01:40	3.5	266	6	4.5	0	28.6	36
15/03/2023 01:50	3.6	258	4	4.3	0	28.5	35
15/03/2023 02:00	3.1	261	4	3.8	0	28.4	34
15/03/2023 02:10	3.4	259	6	4.2	0	28.4	32
15/03/2023 02:20	3.7	261	7	4.7	0	28.4	31
15/03/2023 02:30	3	258	10	4.4	0	28.4	30
15/03/2023 02:40	2.5	259	14	3.7	0	28.3	30
15/03/2023 02:50	2.4	265	9	3.5	0	28.3	28
15/03/2023 03:00	2.6	255	10	4.2	0	28.3	27
15/03/2023 03:10	2.8	255	11	3.9	0	28.4	26
15/03/2023 03:20	3	248	12	4.6	0	28.4	26
15/03/2023 03:30	2.9	250	12	4.5	0	28.5	25
15/03/2023 03:40	3.1	248	11	4.9	0	28.6	25
15/03/2023 03:50	3	263	8	4	0	28.4	25
15/03/2023 04:00	3.1	262	9	4.4	0	28.3	24
15/03/2023 04:10	3.3	261	7	4.4	0	28.3	23
15/03/2023 04:20	3.3	261	7	4.1	0	28.2	22
15/03/2023 04:30	2.8	264	7	3.8	0	28.1	22
15/03/2023 04:40	3	263	7	3.8	0	28.1	21
15/03/2023 04:50	3.5	261	8	4.4	0	28.1	20
15/03/2023 05:00	3.3	257	7	4.7	0	28.1	20
15/03/2023 05:10	3.1	260	8	4	0	28	19
15/03/2023 05:20	3	267	7	3.9	0	28	19
15/03/2023 05:30	3.1	271	7	4.2	0	28	18
15/03/2023 05:40	3.5	269	7	4.4	0	28.1	18
15/03/2023 05:50	3.9	262	5	4.9	0	28.1	18
15/03/2023 06:00	3.3	261	6	4	0	28.1	19
15/03/2023 06:10	3.4	258	6	4.7	0	28	19
15/03/2023 06:20	2.7	257	8	4	0	27.9	19
15/03/2023 06:30	2.8	259	6	3.6	0	27.8	19
15/03/2023 06:40	3.1	258	9	4.2	0	28	19
15/03/2023 06:50	3	254	8	4	0	28.2	19
15/03/2023 07:00	3.2	257	10	4.2	0	28.3	20
15/03/2023 07:10	3.6	254	8	5	0	28.5	21
15/03/2023 07:20	3.4	254	9	4.9	0	28.9	24
15/03/2023 07:30	3	258	10	3.9	0	29.2	31
15/03/2023 07:40	2.4	255	14	3.6	0	29.7	43
15/03/2023 07:50	1.8	246	22	2.8	0	30.4	57
15/03/2023 08:00	1.9	247	18	3.2	0	30.9	65
15/03/2023 08:10	2.9	245	15	4	0	30.9	65
15/03/2023 08:20	2.8	254	16	4.1	0	31.5	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/03/2023 08:30	3	258	11	4.1	0	32	60
15/03/2023 08:40	1.6	235	31	2.8	0	32.3	58
15/03/2023 08:50	1.8	148	17	2.9	0	32.7	56
15/03/2023 09:00	1.6	121	17	2.5	0	33.9	51
15/03/2023 09:10	2.1	104	26	3.1	0	33.8	54
15/03/2023 09:20	1.8	88	14	3	0	33.7	54
15/03/2023 09:30	2.1	122	16	3.5	0	34.3	52
15/03/2023 09:40	2.2	116	18	3.5	0	34.2	52
15/03/2023 09:50	2.5	122	22	3.8	0	34.7	51
15/03/2023 10:00	2.5	131	17	3.9	0	34.5	49
15/03/2023 10:10	2.7	112	17	4.1	0	34.4	46
15/03/2023 10:20	2.1	108	20	3.2	0	35.1	45
15/03/2023 10:30	2.1	94	19	3.4	0	35.5	44
15/03/2023 10:40	2.7	125	23	3.9	0	35.7	43
15/03/2023 10:50	2	115	20	3.4	0	36	44
15/03/2023 11:00	1.5	217	56	3	0	36.1	48
15/03/2023 11:10	2.9	329	21	4.7	0	36.1	51
15/03/2023 11:20	3.7	324	7	5	0	35.3	52
15/03/2023 11:30	3.2	325	11	4.2	0	35.4	48
15/03/2023 11:40	3.5	326	12	5.1	0	35.6	47
15/03/2023 11:50	3.6	333	12	5.3	0	36	45
15/03/2023 12:00	3.7	326	14	5.1	0	35.8	49
15/03/2023 12:10	3.6	337	13	5	0	35.6	50
15/03/2023 12:20	3.6	349	14	5.5	0	35.6	51
15/03/2023 12:30	3.5	344	15	4.8	0	36.3	48
15/03/2023 12:40	3.9	331	13	5.7	0	36.1	49
15/03/2023 12:50	4.7	345	13	6.7	0	35.8	48
15/03/2023 13:00	5	347	9	6.5	0	35.5	47
15/03/2023 13:10	5.3	339	13	7	0	35.2	49
15/03/2023 13:20	5.3	340	10	7.4	0	34.9	54
15/03/2023 13:30	5.3	342	13	7.2	0	35.2	52
15/03/2023 13:40	5.5	336	15	7.6	0	35.3	48
15/03/2023 13:50	6.2	341	10	7.7	0	34.7	51
15/03/2023 14:00	5.9	345	10	7.8	0	34.2	57
15/03/2023 14:10	5.8	338	11	7.7	0	34.3	57
15/03/2023 14:20	5.4	341	12	7.2	0	34.5	58
15/03/2023 14:30	6	336	11	7.5	0	34.4	56
15/03/2023 14:40	5.7	332	11	8	0	34.2	59
15/03/2023 14:50	5.9	343	13	8.2	0	33.8	62
15/03/2023 15:00	6	336	9	8	0	34	63
15/03/2023 15:10	5.8	337	9	8.2	0	33.6	64
15/03/2023 15:20	5.2	332	13	7.6	0	34.2	63
15/03/2023 15:30	5.8	323	8	7.3	0	33.9	61
15/03/2023 15:40	5.7	326	11	8.3	0	34	62
15/03/2023 15:50	5.7	334	10	7.5	0	33.6	63
15/03/2023 16:00	5.1	325	10	7.2	0	34.1	62
15/03/2023 16:10	5.5	327	8	6.9	0	34.2	61
15/03/2023 16:20	5.5	324	8	7.3	0	34.2	59



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/03/2023 16:30	5.3	318	10	7.1	0	34.3	58
15/03/2023 16:40	4.9	310	10	6.7	0	34.8	49
15/03/2023 16:50	4.9	322	10	6.9	0	34.8	48
15/03/2023 17:00	5.4	322	6	7.1	0	34.4	47
15/03/2023 17:10	4.5	311	12	6.1	0	34.3	48
15/03/2023 17:20	4.4	310	11	6.3	0	34	51
15/03/2023 17:30	4.7	304	11	6.8	0	33.5	58
15/03/2023 17:40	4.5	299	13	6.2	0	33.2	61
15/03/2023 17:50	4.4	292	10	6	0	33	61
15/03/2023 18:00	4.7	296	10	6.4	0	32.6	63
15/03/2023 18:10	4.8	290	8	6.1	0	32.4	64
15/03/2023 18:20	4.9	282	7	6.2	0	32.2	64
15/03/2023 18:30	5.4	288	6	6.7	0	31.8	65
15/03/2023 18:40	5.4	296	6	6.6	0	31.5	67
15/03/2023 18:50	5.4	296	5	6.6	0	31.3	67
15/03/2023 19:00	5.3	295	6	6.5	0	31.2	66
15/03/2023 19:10	5.1	291	6	6.6	0	31	66
15/03/2023 19:20	4.6	283	7	6	0	31.1	67
15/03/2023 19:30	4.3	284	7	5.7	0	31	67
15/03/2023 19:40	4.3	283	7	6	0	31	66
15/03/2023 19:50	4.1	285	7	5.4	0	31	66
15/03/2023 20:00	3.9	285	6	5.5	0	30.9	65
15/03/2023 20:10	3.8	276	7	4.9	0	30.7	65
15/03/2023 20:20	3.8	283	7	4.8	0	30.7	64
15/03/2023 20:30	3.4	285	8	4.6	0	30.6	63
15/03/2023 20:40	4	278	9	5.6	0	30.5	61
15/03/2023 20:50	4.4	275	6	6.1	0	30.5	64
15/03/2023 21:00	4.5	275	5	5.8	0	30.6	62
15/03/2023 21:10	4.3	271	5	5.5	0	30.5	57
15/03/2023 21:20	4.7	273	6	6.3	0	30.4	57
15/03/2023 21:30	4.7	275	6	6.2	0	30.3	57
15/03/2023 21:40	4.5	274	6	6.2	0	30.3	58
15/03/2023 21:50	4.1	271	7	5.7	0	30.3	56
15/03/2023 22:00	4.2	272	6	5.8	0	30.3	56
15/03/2023 22:10	4.1	275	7	5.6	0	30.3	55
15/03/2023 22:20	4.1	264	5	5.4	0	30.2	54
15/03/2023 22:30	3.9	264	6	5	0	30.2	54
15/03/2023 22:40	3.7	263	6	4.9	0	30.1	53
15/03/2023 22:50	4.5	264	5	5.9	0	30	54
15/03/2023 23:00	4.6	263	5	5.8	0	30.2	59
15/03/2023 23:10	4.2	260	5	5.4	0	30	58
15/03/2023 23:20	4.3	259	5	5	0	29.8	56
15/03/2023 23:30	4.4	258	6	5.8	0	29.6	55
15/03/2023 23:40	4.5	266	6	6.3	0	29.7	61
15/03/2023 23:50	5.4	272	6	6.8	0	29.9	66
16/03/2023 00:00	5	264	8	6.9	0	30.1	67
16/03/2023 00:10	5.1	257	7	6.8	0	30.2	67
16/03/2023 00:20	4.1	258	6	5.5	0	29.8	66





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/03/2023 00:30	4.1	259	7	5.5	0	29.6	64
16/03/2023 00:40	4.7	253	8	6.2	0	29.7	64
16/03/2023 00:50	4.5	258	8	6.1	0	29.7	64
16/03/2023 01:00	4	261	7	5.3	0	29.7	63
16/03/2023 01:10	3.8	259	6	4.9	0	29.5	62
16/03/2023 01:20	3.8	258	6	4.7	0	29.3	60
16/03/2023 01:30	4.2	260	7	5.3	0	29.3	56
16/03/2023 01:40	4.2	262	5	5.3	0	29.1	49
16/03/2023 01:50	3.8	266	4	4.8	0	29.2	41
16/03/2023 02:00	3.6	265	5	4.4	0	29.3	36
16/03/2023 02:10	3.8	257	6	4.9	0	29.2	32
16/03/2023 02:20	3.9	257	6	5.1	0	28.9	30
16/03/2023 02:30	3.3	256	7	4.9	0	28.8	29
16/03/2023 02:40	4.3	253	8	6	0	28.9	27
16/03/2023 02:50	4.3	258	7	5.8	0	28.8	28
16/03/2023 03:00	4.5	255	9	5.7	0	28.7	27
16/03/2023 03:10	4.7	256	7	5.9	0	28.7	27
16/03/2023 03:20	5.2	254	7	6.6	0	28.7	27
16/03/2023 03:30	5.1	251	9	7.1	0	28.7	27
16/03/2023 03:40	5.2	248	9	7.1	0	28.8	28
16/03/2023 03:50	5.5	250	9	7.6	0	28.7	29
16/03/2023 04:00	5.5	251	9	7.2	0	28.7	30
16/03/2023 04:10	5.7	257	6	7.3	0	28.5	30
16/03/2023 04:20	5.8	258	5	7.3	0	28.5	30
16/03/2023 04:30	5.8	261	6	7.4	0	28.5	29
16/03/2023 04:40	5.3	263	6	6.6	0	28.4	30
16/03/2023 04:50	5	260	6	6.6	0	28.4	30
16/03/2023 05:00	5.4	257	7	6.9	0	28.4	29
16/03/2023 05:10	5.5	259	6	7.3	0	28.3	28
16/03/2023 05:20	5.1	259	6	6.9	0	28.3	27
16/03/2023 05:30	4.5	259	6	5.8	0	28.3	26
16/03/2023 05:40	4.3	256	7	5.5	0	28.2	26
16/03/2023 05:50	4.6	258	6	5.5	0	28.1	26
16/03/2023 06:00	4.2	256	7	5.3	0	28	27
16/03/2023 06:10	4.8	257	6	6.3	0	27.9	29
16/03/2023 06:20	4.3	264	6	5.5	0	27.8	31
16/03/2023 06:30	4.2	257	6	5.6	0	27.9	33
16/03/2023 06:40	4.6	261	6	6	0	28	35
16/03/2023 06:50	4.2	269	8	5.6	0	28.2	39
16/03/2023 07:00	3.7	263	8	4.9	0	28.4	43
16/03/2023 07:10	3.5	259	7	4.4	0	28.7	48
16/03/2023 07:20	2.7	282	11	3.8	0	29	55
16/03/2023 07:30	2.8	276	11	4	0	29.4	63
16/03/2023 07:40	3.1	266	7	4.1	0	30.1	67
16/03/2023 07:50	3.9	260	9	5.1	0	30.6	67
16/03/2023 08:00	4.1	266	8	5.3	0	30.8	66
16/03/2023 08:10	3.3	260	9	5	0	31.5	64
16/03/2023 08:20	3.6	242	11	5.1	0	32.3	56



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/03/2023 08:30	3	246	15	4.2	0	33	52
16/03/2023 08:40	3.7	234	11	5.1	0	33.7	48
16/03/2023 08:50	3.6	247	11	5.1	0	34.1	47
16/03/2023 09:00	3.5	247	15	5.2	0	34.6	45
16/03/2023 09:10	3.5	251	14	5.5	0	35.1	45
16/03/2023 09:20	3	273	15	4.7	0	35.1	48
16/03/2023 09:30	3.5	268	11	4.9	0	35.5	43
16/03/2023 09:40	4.1	269	9	5.6	0	35.6	43
16/03/2023 09:50	5	276	7	6.5	0	35.9	42
16/03/2023 10:00	4.3	276	12	5.6	0	35.5	46
16/03/2023 10:10	4.2	276	11	6.1	0	35.9	46
16/03/2023 10:20	4	283	10	5.4	0	36.3	44
16/03/2023 10:30	4	302	10	6	0	36.3	42
16/03/2023 10:40	3.7	300	12	5.8	0	36.7	38
16/03/2023 10:50	3.9	310	13	6	0	36.8	40
16/03/2023 11:00	3.6	323	16	5.5	0	35.4	54
16/03/2023 11:10	3.4	328	15	4.9	0	35.4	57
16/03/2023 11:20	3.8	320	15	5.9	0	35.1	55
16/03/2023 11:30	3.9	291	19	6.3	0	36.4	41
16/03/2023 11:40	4.9	295	10	6.5	0	36.4	40
16/03/2023 11:50	5.1	298	7	6.5	0	36	44
16/03/2023 12:00	4.6	296	10	6.7	0	35.8	49
16/03/2023 12:10	4.3	293	12	6	0	35.9	53
16/03/2023 12:20	4.7	289	12	6.5	0	35.7	56
16/03/2023 12:30	5.2	284	14	6.8	0	35.7	60
16/03/2023 12:40	5.4	266	10	7.2	0	35.7	60
16/03/2023 12:50	5.4	267	13	8	0	35.9	58
16/03/2023 13:00	5.6	266	11	7.5	0	35.8	61
16/03/2023 13:10	5.7	273	10	7.1	0	35.6	60
16/03/2023 13:20	5	272	13	7.2	0	35.7	62
16/03/2023 13:30	5.1	287	11	6.9	0	35.5	63
16/03/2023 13:40	5.2	279	13	7.9	0	35.4	63
16/03/2023 13:50	5.2	285	11	7.1	0	35.3	62
16/03/2023 14:00	4.6	289	15	6.9	0	35.2	63
16/03/2023 14:10	5.7	276	8	7.8	0	35.4	60
16/03/2023 14:20	5.8	277	8	7.6	0	35.1	62
16/03/2023 14:30	5.7	275	8	7.2	0	35.3	61
16/03/2023 14:40	6	276	7	7.9	0	34.9	61
16/03/2023 14:50	5.9	280	7	7.3	0	34.8	60
16/03/2023 15:00	5.8	283	7	7.4	0	34.6	60
16/03/2023 15:10	5.5	283	10	7.4	0	35.2	59
16/03/2023 15:20	5.4	287	12	7.4	0	35	61
16/03/2023 15:30	5	290	14	7.2	0	35	62
16/03/2023 15:40	4.8	298	13	7.3	0	34.9	63
16/03/2023 15:50	4.7	307	15	7.4	0	34.6	65
16/03/2023 16:00	5.2	294	13	7.3	0	34.3	66
16/03/2023 16:10	5.5	289	10	7.6	0	34.3	66
16/03/2023 16:20	6.1	292	8	8.1	0	33.9	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/03/2023 16:30	5.9	290	7	7.6	0	34.1	67
16/03/2023 16:40	6.4	285	6	7.7	0	33.9	68
16/03/2023 16:50	6.1	284	5	7.7	0	33.6	69
16/03/2023 17:00	5.6	289	6	7.1	0	33.2	69
16/03/2023 17:10	5.5	295	9	7.7	0	32.9	69
16/03/2023 17:20	5.4	288	7	7.3	0	32.6	68
16/03/2023 17:30	5.4	284	5	7.1	0	32.8	68
16/03/2023 17:40	5.1	288	7	6.1	0	33	67
16/03/2023 17:50	5.1	289	8	6.5	0	33	68
16/03/2023 18:00	4.8	284	8	6.1	0	32.9	69
16/03/2023 18:10	4.6	273	8	6.3	0	32.7	69
16/03/2023 18:20	3.9	278	10	5.4	0	32.4	68
16/03/2023 18:30	3.7	287	9	5.9	0	32.1	67
16/03/2023 18:40	4.6	295	7	5.9	0	31.8	67
16/03/2023 18:50	4.3	292	8	5.9	0	31.6	67
16/03/2023 19:00	4.3	283	6	5.5	0	31.6	68
16/03/2023 19:10	4.3	281	6	5.4	0	31.6	69
16/03/2023 19:20	4.4	279	7	5.7	0	31.5	69
16/03/2023 19:30	4.4	280	6	5.8	0	31.4	69
16/03/2023 19:40	3.2	273	9	4.5	0	31.4	68
16/03/2023 19:50	3.2	282	9	4.7	0	31.3	68
16/03/2023 20:00	4.1	282	8	6.1	0	31.3	69
16/03/2023 20:10	4.1	280	9	5.7	0	31.3	68
16/03/2023 20:20	4.5	275	8	6.1	0	31.4	69
16/03/2023 20:30	4.6	281	8	6.2	0	31.3	69
16/03/2023 20:40	4.6	279	6	5.9	0	31.4	70
16/03/2023 20:50	4.6	286	8	6.3	0	31.3	70
16/03/2023 21:00	4.9	280	7	6.6	0	31.3	70
16/03/2023 21:10	5.7	273	6	7.3	0	31.4	69
16/03/2023 21:20	6	271	5	7.4	0	31.4	69
16/03/2023 21:30	6.4	268	5	8.1	0	31.3	68
16/03/2023 21:40	6.4	268	5	7.8	0	31.3	68
16/03/2023 21:50	6.3	267	5	8.4	0	31.3	67
16/03/2023 22:00	6.5	266	6	8	0	31.3	64
16/03/2023 22:10	5.7	269	6	7.5	0	31.1	64
16/03/2023 22:20	5.1	270	6	6.5	0	31.2	67
16/03/2023 22:30	5.5	270	6	7.6	0	31.2	68
16/03/2023 22:40	4.3	266	6	5.6	0	31.3	69
16/03/2023 22:50	3.7	269	7	4.9	0	31	69
16/03/2023 23:00	5.1	275	7	7.4	0	31	69
16/03/2023 23:10	5.7	271	6	7.4	0	31.3	69
16/03/2023 23:20	5.9	266	6	7.6	0	31.3	69
16/03/2023 23:30	4.7	272	7	6.5	0	31.3	69
16/03/2023 23:40	4.5	277	6	6.5	0	31.2	70
16/03/2023 23:50	3.9	280	7	5.5	0	31.1	70
17/03/2023 00:00	3	278	9	4.3	0	31	69
17/03/2023 00:10	3.1	279	6	4.3	0	30.9	69
17/03/2023 00:20	5.4	288	9	7.5	0	31.2	68



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/03/2023 00:30	4.9	288	7	6.6	0	31.4	69
17/03/2023 00:40	3.9	289	8	5.7	0	31	70
17/03/2023 00:50	5	291	8	6.7	0	31	70
17/03/2023 01:00	5.8	283	6	7.7	0	31	70
17/03/2023 01:10	5.4	278	6	7.3	0	30.9	70
17/03/2023 01:20	4.9	280	6	6.6	0	30.8	69
17/03/2023 01:30	4.6	278	6	6	0	30.8	67
17/03/2023 01:40	5.1	277	6	6.8	0	30.8	63
17/03/2023 01:50	4.7	274	6	6.4	0	30.8	58
17/03/2023 02:00	5.1	269	6	7	0	30.8	56
17/03/2023 02:10	4.7	275	6	6.6	0	30.9	55
17/03/2023 02:20	4.6	274	7	6.2	0	30.8	55
17/03/2023 02:30	4.4	264	6	6.2	0	30.8	60
17/03/2023 02:40	5	265	6	6.6	0	30.7	63
17/03/2023 02:50	5	262	5	6.3	0	30.6	64
17/03/2023 03:00	4.7	258	7	6	0	30.4	65
17/03/2023 03:10	4.7	265	7	6.5	0	30.4	66
17/03/2023 03:20	5.4	269	7	6.9	0	30.6	66
17/03/2023 03:30	5.4	270	6	7.2	0	30.6	67
17/03/2023 03:40	5.4	272	6	7	0	30.6	65
17/03/2023 03:50	5	264	5	6.3	0	30.5	65
17/03/2023 04:00	5.7	262	5	7.2	0	30.4	66
17/03/2023 04:10	5.6	261	5	6.9	0	30.3	67
17/03/2023 04:20	5.7	262	5	7.2	0	30.3	68
17/03/2023 04:30	4.8	265	5	6.4	0	30.3	69
17/03/2023 04:40	5	266	5	6.6	0	30.2	69
17/03/2023 04:50	5	264	5	6.4	0	30.2	69
17/03/2023 05:00	4.6	264	5	6.2	0	30.1	69
17/03/2023 05:10	4	262	4	5.2	0	30	69
17/03/2023 05:20	3.8	262	4	4.6	0	29.7	70
17/03/2023 05:30	4.1	258	5	4.9	0	29.2	70
17/03/2023 05:40	4.7	260	4	5.4	0	29	69
17/03/2023 05:50	4.9	260	4	5.8	0	28.7	67
17/03/2023 06:00	4.7	263	5	6	0	28.8	63
17/03/2023 06:10	4.3	269	5	5.1	0	28.8	60
17/03/2023 06:20	4.9	265	5	5.8	0	28.8	59
17/03/2023 06:30	4.6	265	6	5.6	0	28.7	59
17/03/2023 06:40	4.4	264	5	5.2	0	28.7	59
17/03/2023 06:50	3.9	262	6	4.8	0	28.9	59
17/03/2023 07:00	4.2	260	6	5.2	0	29.1	58
17/03/2023 07:10	3.8	263	7	5	0	29.2	58
17/03/2023 07:20	3.8	263	7	4.8	0	29.4	58
17/03/2023 07:30	4	268	7	5.2	0	29.9	57
17/03/2023 07:40	4.3	272	6	5.2	0	30.3	55
17/03/2023 07:50	4.1	253	9	5.6	0	30.4	55
17/03/2023 08:00	3.9	256	8	5.3	0	30.7	55
17/03/2023 08:10	3.7	265	7	4.8	0	31.3	54
17/03/2023 08:20	3.4	267	8	4.3	0	31.6	53



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/03/2023 08:30	3	259	12	4.1	0	32.3	52
17/03/2023 08:40	2.9	251	11	4	0	32.8	51
17/03/2023 08:50	2.5	248	15	3.9	0	33.3	49
17/03/2023 09:00	2.5	262	13	3.5	0	33.9	48
17/03/2023 09:10	2.4	205	17	4.1	0	34.7	39
17/03/2023 09:20	1.8	205	19	3	0	35.4	36
17/03/2023 09:30	1.7	197	20	3	0	35.9	35
17/03/2023 09:40	2.1	202	16	3.3	0	36.2	32
17/03/2023 09:50	2.1	194	19	3.6	0	36.3	33
17/03/2023 10:00	2	173	24	3.1	0	36.9	30
17/03/2023 10:10	2	157	27	3.3	0	37.7	30
17/03/2023 10:20	1.8	160	32	3.5	0	37.9	30
17/03/2023 10:30	2.4	182	19	4.2	0	37.7	30
17/03/2023 10:40	1.9	137	32	3.5	0	38.4	30
17/03/2023 10:50	1.9	140	29	3.4	0	38.5	29
17/03/2023 11:00	2.3	106	18	3.5	0	39	27
17/03/2023 11:10	1.9	130	17	3.4	0	39.2	25
17/03/2023 11:20	2.1	126	20	3.8	0	39.9	24
17/03/2023 11:30	2.2	119	26	4	0	40.1	23
17/03/2023 11:40	2.4	105	22	3.7	0	40	22
17/03/2023 11:50	2.2	117	26	3.6	0	40.5	22
17/03/2023 12:00	2.4	118	20	4.1	0	40.6	22
17/03/2023 12:10	2.7	124	22	4.2	0	40.7	21
17/03/2023 12:20	2.5	122	22	3.8	0	40.6	21
17/03/2023 12:30	2.2	130	16	3.5	0	41.1	20
17/03/2023 12:40	2.2	131	15	3.8	0	41.2	20
17/03/2023 12:50	2	170	28	3.6	0	41.2	18
17/03/2023 13:00	1.5	131	34	3.3	0	41.5	19
17/03/2023 13:10	2.9	336	27	4.8	0	40.7	27
17/03/2023 13:20	3	334	18	5	0	39.9	29
17/03/2023 13:30	2.8	175	22	4.8	0	39.9	31
17/03/2023 13:40	2.8	338	21	4.1	0	40.2	30
17/03/2023 13:50	2.9	331	15	4.3	0	39.7	30
17/03/2023 14:00	2.7	331	15	4	0	40.1	27
17/03/2023 14:10	2.8	329	11	4.3	0	40.3	27
17/03/2023 14:20	3.6	338	15	5.1	0	40	29
17/03/2023 14:30	3.1	168	11	4.7	0	40.1	27
17/03/2023 14:40	3.5	337	12	5.2	0	40.3	26
17/03/2023 14:50	3.1	339	12	4.7	0	40.1	27
17/03/2023 15:00	3.2	330	13	4.5	0	40.3	28
17/03/2023 15:10	3.4	329	16	4.8	0	40.5	24
17/03/2023 15:20	3.6	332	13	5	0	40.5	24
17/03/2023 15:30	3.7	329	11	5.2	0	40	27
17/03/2023 15:40	3.7	334	10	5	0	39.8	28
17/03/2023 15:50	4.2	336	8	5.1	0	39.5	28
17/03/2023 16:00	4.1	335	7	5.3	0	39.6	25
17/03/2023 16:10	3.7	332	6	5.2	0	39.3	30
17/03/2023 16:20	4.2	332	7	5.4	0	38.9	30



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/03/2023 16:30	4.1	333	9	5.2	0	38.3	37
17/03/2023 16:40	4.3	331	9	5.4	0	37.8	38
17/03/2023 16:50	4.3	334	7	5.3	0	37.7	37
17/03/2023 17:00	4	327	9	5.2	0	37.6	38
17/03/2023 17:10	3.8	325	8	4.9	0	37.4	37
17/03/2023 17:20	3.9	322	6	5.4	0	37	40
17/03/2023 17:30	3	327	9	4.1	0	36.9	40
17/03/2023 17:40	3.6	331	9	4.8	0	36.8	42
17/03/2023 17:50	4	331	8	5.1	0	36.3	43
17/03/2023 18:00	4.2	329	6	5.4	0	35.6	50
17/03/2023 18:10	4	326	11	5.2	0	35.4	49
17/03/2023 18:20	4.9	293	9	6	0	34.5	55
17/03/2023 18:30	4.1	298	10	5.5	0	34.3	50
17/03/2023 18:40	4.8	279	8	6.5	0	33.9	59
17/03/2023 18:50	5.2	270	6	6.9	0	32.6	68
17/03/2023 19:00	5	275	7	6.2	0	32.4	66
17/03/2023 19:10	4.3	276	8	6	0	32.6	63
17/03/2023 19:20	4.1	276	8	5.6	0	32.6	62
17/03/2023 19:30	3.1	279	10	4.6	0	32.5	65
17/03/2023 19:40	3.7	280	8	5	0	32.3	67
17/03/2023 19:50	4	271	9	5.6	0	32.2	67
17/03/2023 20:00	4.3	274	8	5.7	0	32.1	68
17/03/2023 20:10	3.9	281	8	5.6	0	32	68
17/03/2023 20:20	3.9	285	8	5.6	0	31.9	69
17/03/2023 20:30	4.2	280	8	5.6	0	31.8	69
17/03/2023 20:40	3.7	278	8	5	0	31.8	69
17/03/2023 20:50	3.9	279	7	5.2	0	31.8	69
17/03/2023 21:00	4.2	277	7	5.4	0	31.8	69
17/03/2023 21:10	3.8	277	7	5.2	0	31.7	69
17/03/2023 21:20	4.6	271	7	6.3	0	31.6	69
17/03/2023 21:30	4.7	269	6	6.2	0	31.6	69
17/03/2023 21:40	4.2	269	7	6	0	31.6	69
17/03/2023 21:50	4.2	276	7	5.6	0	31.6	69
17/03/2023 22:00	2.7	277	7	3.7	0	31.6	69
17/03/2023 22:10	2.8	284	8	4.3	0	31.4	69
17/03/2023 22:20	2.6	296	8	3.5	0	31.3	69
17/03/2023 22:30	2.8	290	8	3.7	0	31.4	68
17/03/2023 22:40	2.4	270	9	3.2	0	31.4	68
17/03/2023 22:50	2.7	269	10	3.7	0	31.2	69
17/03/2023 23:00	3.3	282	7	4.6	0	31.2	66
17/03/2023 23:10	3.8	282	5	4.9	0	31.3	65
17/03/2023 23:20	3.7	279	7	4.9	0	31.3	65
17/03/2023 23:30	3.2	287	7	4.3	0	31.2	66
17/03/2023 23:40	3.4	281	7	4.7	0	31.1	68
17/03/2023 23:50	3.8	279	6	4.9	0	30.9	69
18/03/2023 00:00	3.5	284	8	4.9	0	30.9	70
18/03/2023 00:10	1.9	282	11	3	0	30.8	70
18/03/2023 00:20	2.3	271	6	3	0	30.6	70



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/03/2023 00:30	3.3	269	5	4	0	30.5	70
18/03/2023 00:40	2.9	283	4	3.6	0	30.5	70
18/03/2023 00:50	2.5	276	4	3	0	30.3	69
18/03/2023 01:00	2.7	279	5	3.2	0	30.1	67
18/03/2023 01:10	2.4	285	4	3	0	30.1	65
18/03/2023 01:20	2.5	290	5	3.1	0	30	63
18/03/2023 01:30	2.6	281	6	3.3	0	30	62
18/03/2023 01:40	2.7	275	9	4.2	0	30	62
18/03/2023 01:50	2.2	279	10	3.3	0	30.1	65
18/03/2023 02:00	2	252	15	2.9	0	30.2	67
18/03/2023 02:10	2	257	8	2.7	0	30.6	69
18/03/2023 02:20	2	261	12	2.7	0	30.1	69
18/03/2023 02:30	1.6	267	22	2.5	0	30	67
18/03/2023 02:40	1.3	256	18	1.8	0	30.5	63
18/03/2023 02:50	1.2	246	26	2.3	0	30.8	59
18/03/2023 03:00	1.7	277	14	2.7	0	30.7	55
18/03/2023 03:10	0.5	254	44	1.1	0	30.7	51
18/03/2023 03:20	0.7	170	23	1	0	31	47
18/03/2023 03:30	0.8	25	52	1.5	0	31.1	43
18/03/2023 03:40	0.8	264	38	1.6	0	31.5	39
18/03/2023 03:50	1	290	13	1.2	0	31.6	37
18/03/2023 04:00	0.5	271	32	0.8	0	30.7	40
18/03/2023 04:10	0.8	271	18	1.4	0	30.7	40
18/03/2023 04:20	0.7	231	31	1.2	0	31	38
18/03/2023 04:30	1.3	223	21	2	0	30.8	39
18/03/2023 04:40	1.7	255	21	2.9	0	31	39
18/03/2023 04:50	1.4	266	15	2.2	0	30.6	42
18/03/2023 05:00	1.2	258	39	2.4	0	30.2	43
18/03/2023 05:10	1.4	253	21	2.5	0	30.6	39
18/03/2023 05:20	1.6	211	21	3	0	31.1	35
18/03/2023 05:30	1.5	193	9	2.4	0	31.2	37
18/03/2023 05:40	0.6	163	17	1	0	30.4	41
18/03/2023 05:50	0.6	137	45	1.4	0	29.2	42
18/03/2023 06:00	0.5	134	40	0.9	0	29.9	36
18/03/2023 06:10	1.3	178	14	2	0	30.5	33
18/03/2023 06:20	1	170	25	1.8	0	31.1	31
18/03/2023 06:30	0.6	113	35	1.2	0	30.9	31
18/03/2023 06:40	0.8	172	22	1.5	0	31	30
18/03/2023 06:50	1	192	20	1.6	0	31.2	29
18/03/2023 07:00	1.6	183	9	2.2	0	31.4	29
18/03/2023 07:10	1.3	186	10	1.8	0	31.5	29
18/03/2023 07:20	1.4	184	14	2.3	0	31.9	28
18/03/2023 07:30	1.8	180	9	2.4	0	32.1	28
18/03/2023 07:40	1.4	181	11	2.1	0	32.4	29
18/03/2023 07:50	1.4	186	11	2	0	32.7	29
18/03/2023 08:00	1.3	199	11	2.1	0	32.9	30
18/03/2023 08:10	1.5	208	17	2.5	0	33.5	30
18/03/2023 08:20	2	176	10	3	0	33.8	30



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/03/2023 08:30	2	176	15	2.8	0	34	30
18/03/2023 08:40	1.9	142	23	3	0	34.7	31
18/03/2023 08:50	2.6	107	18	3.5	0	35	32
18/03/2023 09:00	2.6	137	16	3.8	0	34.5	34
18/03/2023 09:10	2.2	131	18	3.5	0	35	34
18/03/2023 09:20	2	126	20	3.3	0	35.2	37
18/03/2023 09:30	2.3	120	19	3.6	0	35.5	39
18/03/2023 09:40	2.8	111	14	3.7	0	34.9	42
18/03/2023 09:50	2.6	129	17	3.7	0	35.3	42
18/03/2023 10:00	2.6	122	15	3.7	0	35.1	44
18/03/2023 10:10	2.8	93	12	4.1	0	35.3	44
18/03/2023 10:20	2.3	122	25	3.7	0	35.5	43
18/03/2023 10:30	2.3	104	22	3.8	0	35.8	42
18/03/2023 10:40	2.6	110	25	4	0	36.2	40
18/03/2023 10:50	2.4	93	22	4.1	0	36.6	38
18/03/2023 11:00	3.2	98	19	5.2	0	36.9	36
18/03/2023 11:10	4.2	69	9	5.8	0	36.5	35
18/03/2023 11:20	5	82	12	6.5	0	36.4	35
18/03/2023 11:30	5.2	78	10	6.7	0	36.4	34
18/03/2023 11:40	4.6	71	9	6.9	0	36.8	32
18/03/2023 11:50	4.1	84	15	5.7	0	37.2	32
18/03/2023 12:00	4.7	85	15	6.8	0	37.4	31
18/03/2023 12:10	5.9	80	8	7.3	0	37.3	30
18/03/2023 12:20	4.9	76	13	6.5	0	37.3	31
18/03/2023 12:30	4.4	106	13	6.6	0	37.6	29
18/03/2023 12:40	4.5	101	17	6.7	0	37.8	28
18/03/2023 12:50	4.5	93	13	6.7	0	37.9	27
18/03/2023 13:00	3.9	100	15	6.1	0	38.2	27
18/03/2023 13:10	3.1	132	21	4.8	0	38.2	30
18/03/2023 13:20	3.7	104	12	5.6	0	38.6	28
18/03/2023 13:30	3.7	104	13	5.3	0	38.6	27
18/03/2023 13:40	4	96	14	6.1	0	38.3	26
18/03/2023 13:50	4.3	91	13	5.9	0	38.5	23
18/03/2023 14:00	5.3	83	8	6.9	0	38.3	23
18/03/2023 14:10	5.1	79	14	6.7	0	38.3	24
18/03/2023 14:20	5	58	10	6.3	0	38.1	25
18/03/2023 14:30	4.3	64	11	5.8	0	38.1	26
18/03/2023 14:40	5	71	9	6.6	0	38.1	28
18/03/2023 14:50	5	68	8	7	0	38	30
18/03/2023 15:00	4.3	69	11	5.8	0	38	32
18/03/2023 15:10	4.4	68	9	5.7	0	37.8	34
18/03/2023 15:20	4.1	55	15	5.7	0	37.7	39
18/03/2023 15:30	3.7	37	16	5.4	0	37.6	42
18/03/2023 15:40	3.4	13	12	5	0	37.2	45
18/03/2023 15:50	3	183	17	4.4	0	37.3	44
18/03/2023 16:00	4.2	328	14	5.7	0	36.8	53
18/03/2023 16:10	4.6	339	9	6.2	0	35.5	57
18/03/2023 16:20	4.9	342	11	6.7	0	35.4	57





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/03/2023 16:30	5.4	338	9	7.1	0	34.7	60
18/03/2023 16:40	5.1	335	8	7.2	0	34.4	60
18/03/2023 16:50	6.1	336	8	7.8	0	33.8	61
18/03/2023 17:00	6.2	341	10	8.1	0	33.6	61
18/03/2023 17:10	6.2	338	9	8.9	0	33.4	60
18/03/2023 17:20	5.8	340	10	7.6	0	33.1	62
18/03/2023 17:30	6.2	330	8	8.7	0	32.9	62
18/03/2023 17:40	5.7	317	10	7.9	0	33	61
18/03/2023 17:50	5.6	317	10	7	0	33.3	59
18/03/2023 18:00	5.2	303	10	6.8	0	32.9	64
18/03/2023 18:10	5.2	301	10	7.3	0	32.8	63
18/03/2023 18:20	4.5	298	12	6.9	0	32.9	56
18/03/2023 18:30	4.7	284	9	6.6	0	33.2	51
18/03/2023 18:40	4.7	291	6	6.3	0	33.4	45
18/03/2023 18:50	4.8	289	7	5.7	0	33.8	44
18/03/2023 19:00	4.3	286	7	5.7	0	33.5	47
18/03/2023 19:10	3.8	287	7	4.9	0	33.2	49
18/03/2023 19:20	4.5	280	7	5.4	0	33.2	50
18/03/2023 19:30	4.4	271	6	5.2	0	32.8	64
18/03/2023 19:40	4.2	276	8	5.4	0	32.3	67
18/03/2023 19:50	5.2	270	6	6.5	0	32.3	66
18/03/2023 20:00	4.1	273	9	5.4	0	32	68
18/03/2023 20:10	4.2	272	7	5.4	0	32	68
18/03/2023 20:20	3.8	281	7	5.2	0	31.9	68
18/03/2023 20:30	4.4	274	8	6.1	0	31.9	68
18/03/2023 20:40	3.9	282	6	5.3	0	31.7	68
18/03/2023 20:50	4.2	288	7	5.6	0	31.6	67
18/03/2023 21:00	4.1	288	6	5.6	0	31.6	67
18/03/2023 21:10	3.9	286	8	5.3	0	31.5	67
18/03/2023 21:20	4.3	280	6	5.8	0	31.5	67
18/03/2023 21:30	4.4	280	6	5.8	0	31.6	66
18/03/2023 21:40	4.5	279	6	6	0	31.5	66
18/03/2023 21:50	4.4	282	6	6	0	31.4	67
18/03/2023 22:00	4	279	8	6	0	31.3	68
18/03/2023 22:10	4.7	283	6	6	0	31.2	68
18/03/2023 22:20	4.3	284	7	6.2	0	31.1	68
18/03/2023 22:30	4.1	283	8	6	0	31	69
18/03/2023 22:40	4	279	8	5.4	0	30.9	68
18/03/2023 22:50	3.9	280	6	5	0	30.8	68
18/03/2023 23:00	3.7	280	7	5.1	0	30.8	69
18/03/2023 23:10	4.1	279	6	5.5	0	30.8	68
18/03/2023 23:20	3.6	285	7	4.8	0	30.7	69
18/03/2023 23:30	3.7	280	6	5	0	30.7	69
18/03/2023 23:40	3.4	282	6	4.5	0	30.6	69
18/03/2023 23:50	4	285	6	5.4	0	30.6	69
19/03/2023 00:00	4	282	6	5.5	0	30.7	69
19/03/2023 00:10	3.4	285	7	4.7	0	30.6	69
19/03/2023 00:20	3.4	286	7	4.9	0	30.5	70



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/03/2023 00:30	3.2	282	6	4.1	0	30.5	69
19/03/2023 00:40	2.8	286	9	3.7	0	30.5	70
19/03/2023 00:50	2.5	271	12	3.5	0	30.3	70
19/03/2023 01:00	2.5	271	9	3.4	0	30.3	70
19/03/2023 01:10	2.2	271	9	3	0	30.3	70
19/03/2023 01:20	2.8	279	6	3.7	0	30.1	70
19/03/2023 01:30	3.5	280	7	4.5	0	30.2	70
19/03/2023 01:40	3.4	279	7	4.7	0	30.2	70
19/03/2023 01:50	3.2	275	7	4.5	0	30.3	71
19/03/2023 02:00	3.2	274	7	4.1	0	30.2	71
19/03/2023 02:10	3	266	9	4.1	0	30.3	70
19/03/2023 02:20	3.1	254	14	4.6	0	30.3	70
19/03/2023 02:30	2.5	261	15	4	0	30.2	70
19/03/2023 02:40	2.4	262	10	3.1	0	30	70
19/03/2023 02:50	3	252	8	3.7	0	30	69
19/03/2023 03:00	2.6	251	7	3.2	0	29.7	69
19/03/2023 03:10	2.6	252	5	3.2	0	29.5	68
19/03/2023 03:20	2	251	7	2.8	0	29.4	69
19/03/2023 03:30	2	247	8	2.6	0	29.1	68
19/03/2023 03:40	2.3	246	5	2.8	0	29.2	69
19/03/2023 03:50	2.5	254	5	2.9	0	29.3	69
19/03/2023 04:00	2.8	262	3	3	0	29.1	68
19/03/2023 04:10	2.6	264	3	2.9	0	29.1	68
19/03/2023 04:20	2.6	260	2	2.9	0	29.1	68
19/03/2023 04:30	2.3	264	3	2.8	0	29.2	69
19/03/2023 04:40	2.4	271	4	2.8	0	28.9	69
19/03/2023 04:50	2.4	275	4	2.9	0	28.8	69
19/03/2023 05:00	2.3	270	5	2.8	0	28.8	69
19/03/2023 05:10	1.9	258	6	2.6	0	28.9	70
19/03/2023 05:20	2.6	260	3	2.8	0	28.8	70
19/03/2023 05:30	2.3	263	5	2.8	0	28.5	70
19/03/2023 05:40	2.1	266	6	2.5	0	28.2	70
19/03/2023 05:50	1.2	264	27	1.8	0	28.2	70
19/03/2023 06:00	1.6	282	12	2	0	27.8	70
19/03/2023 06:10	2.5	270	4	2.8	0	28.1	69
19/03/2023 06:20	1.4	272	22	2.2	0	28	69
19/03/2023 06:30	0.7	229	47	1.4	0	28	69
19/03/2023 06:40	1.3	273	13	2	0	28.2	69
19/03/2023 06:50	1.5	260	12	2.2	0	28.8	67
19/03/2023 07:00	1.7	276	14	2.6	0	29.6	66
19/03/2023 07:10	1.5	265	10	2.3	0	30.3	63
19/03/2023 07:20	2.2	269	9	2.9	0	30.6	62
19/03/2023 07:30	2.5	267	7	3.2	0	31	60
19/03/2023 07:40	2.8	275	6	3.6	0	31.2	59
19/03/2023 07:50	2.5	281	8	3.4	0	31.8	57
19/03/2023 08:00	3.1	279	7	3.7	0	32.3	53
19/03/2023 08:10	2.7	271	10	3.5	0	33.1	50
19/03/2023 08:20	2.7	267	12	3.6	0	33.5	47



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/03/2023 08:30	3.1	276	9	3.8	0	33.8	43
19/03/2023 08:40	3.2	277	10	4.1	0	34.2	41
19/03/2023 08:50	3.5	268	8	4.5	0	34.5	38
19/03/2023 09:00	3.4	281	11	4.6	0	34.8	40
19/03/2023 09:10	3.2	287	13	4.4	0	34.7	45
19/03/2023 09:20	3.3	284	14	4.4	0	34.6	46
19/03/2023 09:30	2.7	287	14	3.8	0	34.8	45
19/03/2023 09:40	2.8	285	13	4.1	0	35	44
19/03/2023 09:50	3.4	283	11	4.6	0	35.3	44
19/03/2023 10:00	3.3	284	11	4.2	0	35.8	43
19/03/2023 10:10	2.9	273	14	4.2	0	36.4	40
19/03/2023 10:20	3	282	15	3.9	0	36.7	38
19/03/2023 10:30	2.2	289	18	3.4	0	37.1	34
19/03/2023 10:40	1.9	273	20	3.6	0	37.6	32
19/03/2023 10:50	2.2	278	16	3.5	0	38	29
19/03/2023 11:00	2.2	277	23	3.5	0	38.4	29
19/03/2023 11:10	2.7	274	21	5.2	0	38.7	28
19/03/2023 11:20	2.2	268	20	3.5	0	38.6	28
19/03/2023 11:30	2.5	261	16	4.3	0	38.9	29
19/03/2023 11:40	3.3	268	12	4.7	0	38.6	31
19/03/2023 11:50	3.6	272	14	4.6	0	38.3	33
19/03/2023 12:00	3.9	267	14	5.5	0	38.3	32
19/03/2023 12:10	3.4	272	14	4.9	0	38.6	29
19/03/2023 12:20	3.6	272	10	4.9	0	38.5	30
19/03/2023 12:30	3.5	284	16	5.4	0	39.1	31
19/03/2023 12:40	4.3	283	10	5.6	0	38.5	34
19/03/2023 12:50	4.1	286	11	5.5	0	38.3	36
19/03/2023 13:00	3.7	287	17	5.6	0	38.4	35
19/03/2023 13:10	3.9	292	16	5.6	0	38.8	35
19/03/2023 13:20	4.1	316	12	5.8	0	38.1	38
19/03/2023 13:30	4.4	317	12	5.9	0	37.6	40
19/03/2023 13:40	4.9	317	9	6.2	0	37.7	35
19/03/2023 13:50	4.7	311	13	6.4	0	38.1	33
19/03/2023 14:00	4.1	308	12	6.2	0	38.1	31
19/03/2023 14:10	4.9	326	9	6.3	0	38.7	30
19/03/2023 14:20	4.7	327	12	6.2	0	38.4	30
19/03/2023 14:30	4.5	309	10	6	0	38.6	30
19/03/2023 14:40	4.8	309	8	6.7	0	38.4	28
19/03/2023 14:50	4.8	311	9	6.8	0	38.5	27
19/03/2023 15:00	5.1	314	8	6.3	0	38.6	27
19/03/2023 15:10	5.5	313	6	7.1	0	38.5	27
19/03/2023 15:20	5.1	308	8	7.1	0	38.4	28
19/03/2023 15:30	5.2	292	9	6.9	0	38.6	25
19/03/2023 15:40	4.9	303	12	6.8	0	38.8	24
19/03/2023 15:50	4.7	308	10	6.5	0	39	24
19/03/2023 16:00	5.2	313	7	7.2	0	38.4	24
19/03/2023 16:10	4.9	313	8	6.5	0	38.8	23
19/03/2023 16:20	5.8	289	8	7.6	0	38.5	27



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/03/2023 16:30	5.5	279	11	8	0	37.8	34
19/03/2023 16:40	6.4	271	7	8.7	0	37	41
19/03/2023 16:50	6.5	273	6	8.1	0	36.3	46
19/03/2023 17:00	6.7	275	6	8.7	0	35.9	46
19/03/2023 17:10	7.2	273	6	9.2	0	35.4	46
19/03/2023 17:20	7.3	270	7	9.5	0	35	46
19/03/2023 17:30	7.3	270	6	9.3	0	34.7	45
19/03/2023 17:40	7.5	269	7	10.2	0	34.6	45
19/03/2023 17:50	7	270	7	9.2	0	34.5	45
19/03/2023 18:00	7.6	274	7	10.2	0	34.4	43
19/03/2023 18:10	6.7	275	7	8.6	0	34.1	48
19/03/2023 18:20	7.3	273	7	9.5	0	33.4	53
19/03/2023 18:30	7.5	272	6	9.7	0	32.8	57
19/03/2023 18:40	7.9	274	6	10.5	0	32.4	61
19/03/2023 18:50	7.2	272	7	10.1	0	32.1	63
19/03/2023 19:00	7.2	275	6	9.5	0	31.8	65
19/03/2023 19:10	6.8	274	6	9.1	0	31.7	66
19/03/2023 19:20	7.1	276	7	9.2	0	31.5	67
19/03/2023 19:30	7.2	274	7	9.4	0	31.4	66
19/03/2023 19:40	6.4	273	6	8.8	0	31.4	67
19/03/2023 19:50	6.7	272	6	8.9	0	31.3	67
19/03/2023 20:00	5.9	272	7	8.2	0	31.2	68
19/03/2023 20:10	5.7	267	7	7.9	0	31.1	68
19/03/2023 20:20	5.9	271	7	7.8	0	31	69
19/03/2023 20:30	6.2	272	5	7.8	0	31	69
19/03/2023 20:40	6.3	279	5	7.7	0	30.9	69
19/03/2023 20:50	5.6	280	6	7.4	0	31	69
19/03/2023 21:00	5.3	281	6	6.9	0	30.9	69
19/03/2023 21:10	5.5	281	6	7.2	0	31	70
19/03/2023 21:20	5.5	280	5	7.2	0	31	70
19/03/2023 21:30	4.6	283	7	6.4	0	31	70
19/03/2023 21:40	4.8	285	6	6.9	0	31.1	70
19/03/2023 21:50	5.1	278	6	6.9	0	31.1	70
19/03/2023 22:00	5	281	6	6.7	0	31.4	70
19/03/2023 22:10	4	269	12	5.9	0	31.5	70
19/03/2023 22:20	3.1	214	30	6.2	0	31.9	66
19/03/2023 22:30	2.2	233	38	4.3	0	32.2	62
19/03/2023 22:40	1.5	87	44	2.6	0	31.9	62
19/03/2023 22:50	3.5	287	16	5.8	0	31.6	62
19/03/2023 23:00	1.7	250	22	3	0	31.9	59
19/03/2023 23:10	1	258	39	2.2	0	31.2	62
19/03/2023 23:20	1.8	287	7	2.3	0	30.9	62
19/03/2023 23:30	0.5	193	30	0.8	0	30.7	63
19/03/2023 23:40	1.4	316	7	1.8	0	31	62
19/03/2023 23:50	0.7	312	15	1.3	0	31.3	58
20/03/2023 00:00	1.2	310	4	1.7	0	31.6	57
20/03/2023 00:10	0.4	198	22	0.7	0	31.3	57
20/03/2023 00:20	0.4	206	32	0.6	0	30.6	62



# Yara Pilbara Nitrates- Western Boundary 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/03/2023 00:30	1.2	114	17	1.8	0	30.4	63
20/03/2023 00:40	1.4	82	15	1.8	0	30.4	62
20/03/2023 00:50	1.4	52	11	1.8	0	30.1	63
20/03/2023 01:00	5.3	79	16	10.1	0	30.9	68
20/03/2023 01:10	6.7	73	12	9	0	30.7	69
20/03/2023 01:20	6.3	75	12	8.8	0	30.5	68
20/03/2023 01:30	5.8	74	11	8.1	0	30.3	68
20/03/2023 01:40	5.9	74	9	8.6	0	30.3	68
20/03/2023 01:50	6	74	9	8.2	0	30.3	66
20/03/2023 02:00	5.4	63	10	7.4	0	30.2	63
20/03/2023 02:10	4.4	58	8	6	0	30	61
20/03/2023 02:20	4.2	65	9	6.1	0	29.8	62
20/03/2023 02:30	4.4	70	8	6.7	0	30	64
20/03/2023 02:40	4	71	8	5.5	0	30.1	65
20/03/2023 02:50	4.1	67	9	5.9	0	30.1	66
20/03/2023 03:00	3	63	10	4.2	0	30.2	66
20/03/2023 03:10	2.4	72	10	3.2	0	30.1	67
20/03/2023 03:20	2.5	72	8	3.3	0	30.1	67
20/03/2023 03:30	2.1	75	8	3.2	0	30.1	66
20/03/2023 03:40	1.9	72	7	2.6	0	30.1	66
20/03/2023 03:50	1	90	13	1.6	0	30	65
20/03/2023 04:00	1.1	107	13	1.9	0	30	64
20/03/2023 04:10	1.4	108	10	2.1	0	30	64
20/03/2023 04:20	1.6	99	10	2.5	0	29.9	63
20/03/2023 04:30	1.3	85	9	1.9	0	29.8	62
20/03/2023 04:40	0.8	94	14	1.5	0	29.6	60
20/03/2023 04:50	0.8	62	15	1.3	0	29.5	59
20/03/2023 05:00	0.8	68	13	1.1	0	29.5	57
20/03/2023 05:10	0.7	70	12	1.1	0	29.5	55
20/03/2023 05:20	0.6	25	13	0.9	0	29.4	54
20/03/2023 05:30	0.3	326	13	0.5	0	29.5	53
20/03/2023 05:40	0.9	180	19	1.5	0	29.5	52
20/03/2023 05:50	1.2	128	16	1.9	0	29.6	53
20/03/2023 06:00	1.2	128	22	2.1	0	29.5	54
20/03/2023 06:10	1.4	134	20	2.4	0	29.6	56
20/03/2023 06:20	1.7	162	18	2.5	0	29.7	56
20/03/2023 06:30	1.2	152	22	2.2	0	29.6	57
20/03/2023 06:40	1	144	23	1.6	0	29.6	58
20/03/2023 06:50	0.6	130	59	1.3	0	29.6	60
20/03/2023 07:00	0.9	116	25	1.6	0	29.8	61
20/03/2023 07:10	1.2	121	25	2.4	0	30.1	63
20/03/2023 07:20	1.6	141	14	2.7	0	30.3	63
20/03/2023 07:30	1.6	126	17	2.6	0	30.6	64
20/03/2023 07:40	1.6	116	20	3.1	0	31.3	66
20/03/2023 07:50	2	124	19	3.2	0	31.5	67
20/03/2023 08:00	2.1	137	24	3.5	0	32.2	68
20/03/2023 08:10	2.4	109	18	4.1	0	32.7	69
20/03/2023 08:20	2.6	125	23	4	0	32.6	69



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/03/2023 08:30	2.5	119	21	4	0	32.2	69
20/03/2023 08:40	2.7	114	18	4	0	32.2	69
20/03/2023 08:50	2.7	103	13	4.2	0	32.3	69
20/03/2023 09:00	3	101	17	4.3	0	32.2	69
20/03/2023 09:10	2.7	120	18	3.7	0	32.4	68
20/03/2023 09:20	2.2	120	19	3.7	0	32.6	67
20/03/2023 09:30	2.6	104	15	4	0	33	65
20/03/2023 09:40	2.9	102	12	4	0	33.3	64
20/03/2023 09:50	2.7	89	15	4.1	0	33.9	61
20/03/2023 10:00	2.5	103	17	4.4	0	34.5	56
20/03/2023 10:10	2.5	110	24	4	0	35.1	51
20/03/2023 10:20	2.5	129	17	4.3	0	35.5	44
20/03/2023 10:30	2.6	137	12	3.7	0	35.8	43
20/03/2023 10:40	2.7	110	20	4.2	0	36.6	43
20/03/2023 10:50	3.7	97	13	5.5	0	35.8	44
20/03/2023 11:00	4.5	76	11	6.1	0	35.7	47
20/03/2023 11:10	5.5	80	10	7.7	0	35.2	47
20/03/2023 11:20	5.8	78	10	8.6	0	35.3	48
20/03/2023 11:30	5.8	65	11	8.1	0	35.3	48
20/03/2023 11:40	6	61	11	8.3	0	35.5	46
20/03/2023 11:50	6.6	62	10	9.6	0	34.9	47
20/03/2023 12:00	6.2	83	9	8.6	0	35.3	44
20/03/2023 12:10	5.7	86	8	8.3	0	35	48
20/03/2023 12:20	4.6	84	15	6.4	0	34.7	49
20/03/2023 12:30	4.7	99	12	6.9	0	34.9	51
20/03/2023 12:40	4.2	92	15	6.1	0	34.7	53
20/03/2023 12:50	3.5	81	15	5.3	0	34.9	49
20/03/2023 13:00	3.7	84	15	5.5	0	35.3	48
20/03/2023 13:10	3.3	92	17	4.9	0	35.2	50
20/03/2023 13:20	3.9	75	15	5.9	0	35.8	42
20/03/2023 13:30	4.4	77	14	5.9	0	36	42
20/03/2023 13:40	4.9	77	10	6.3	0	35.7	42
20/03/2023 13:50	4.8	82	13	6.6	0	35.5	48
20/03/2023 14:00	5.9	84	7	7.7	0	35.1	45
20/03/2023 14:10	5.3	60	12	7.6	0	35.6	45
20/03/2023 14:20	5.4	61	10	7.1	0	35	48
20/03/2023 14:30	5	54	12	8	0	35.7	43
20/03/2023 14:40	6.1	59	10	8.6	0	36	39
20/03/2023 14:50	6	58	8	8.6	0	36.4	37
20/03/2023 15:00	6.4	59	9	8.9	0	36.3	36
20/03/2023 15:10	6.6	60	9	9	0	36.5	38
20/03/2023 15:20	6.2	59	8	8	0	36.2	39
20/03/2023 15:30	5.3	61	11	7.1	0	36.6	41
20/03/2023 15:40	4.9	60	9	6.5	0	36.1	46
20/03/2023 15:50	4.1	60	11	6.3	0	36.7	44
20/03/2023 16:00	3.6	59	17	5.6	0	36.4	46
20/03/2023 16:10	3.8	16	21	5.5	0	36.3	45
20/03/2023 16:20	4.4	4	12	6.2	0	36.4	48



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/03/2023 16:30	4.5	176	12	6.4	0	35.6	52
20/03/2023 16:40	4.4	5	9	5.4	0	35.5	54
20/03/2023 16:50	4.4	178	10	6.1	0	34.9	60
20/03/2023 17:00	5	356	9	6.4	0	34.2	64
20/03/2023 17:10	4.9	180	10	6.3	0	33.9	65
20/03/2023 17:20	4.6	181	13	6	0	33.4	68
20/03/2023 17:30	4.2	182	11	5.6	0	33.3	67
20/03/2023 17:40	4.5	349	9	6.1	0	33.3	65
20/03/2023 17:50	4.3	179	10	5.5	0	33.2	62
20/03/2023 18:00	4.2	8	9	5.4	0	33	66
20/03/2023 18:10	3.5	171	12	5	0	32.5	69
20/03/2023 18:20	4.4	326	10	5.7	0	31.8	70
20/03/2023 18:30	4.3	332	9	5.5	0	31.5	70
20/03/2023 18:40	4.2	325	8	5.5	0	31.5	70
20/03/2023 18:50	4.2	320	9	5.5	0	31.3	70
20/03/2023 19:00	3.6	310	14	5.5	0	31.3	70
20/03/2023 19:10	3.8	308	9	5	0	31	68
20/03/2023 19:20	2.9	301	13	4.6	0	31	67
20/03/2023 19:30	2.9	302	9	4.3	0	30.9	67
20/03/2023 19:40	2.6	290	16	3.7	0	30.8	66
20/03/2023 19:50	3.1	277	8	4.1	0	30.8	66
20/03/2023 20:00	3.3	292	8	4.2	0	30.8	65
20/03/2023 20:10	3	291	9	3.8	0	30.7	63
20/03/2023 20:20	2.7	284	7	3.5	0	30.7	61
20/03/2023 20:30	2.8	279	8	3.8	0	30.7	61
20/03/2023 20:40	2.6	284	9	3.7	0	30.6	62
20/03/2023 20:50	2.4	280	10	3.2	0	30.6	63
20/03/2023 21:00	2.4	273	10	3	0	30.6	65
20/03/2023 21:10	2.4	264	17	4.9	0	30.7	66
20/03/2023 21:20	5.3	212	12	8.1	0	31.1	68
20/03/2023 21:30	3.7	222	10	5.4	0	31.4	69
20/03/2023 21:40	3.3	206	11	4.9	0	31.4	69
20/03/2023 21:50	2.5	205	9	3.3	0	31.4	68
20/03/2023 22:00	2.4	197	9	3.4	0	31.4	68
20/03/2023 22:10	1.4	214	17	2.2	0	31.5	67
20/03/2023 22:20	1.1	303	15	1.7	0	31.2	68
20/03/2023 22:30	0.6	320	30	1	0	31.2	66
20/03/2023 22:40	0.7	260	27	1.1	0	31.4	64
20/03/2023 22:50	1.1	284	21	1.8	0	31.4	64
20/03/2023 23:00	1.8	276	18	2.6	0	31.5	63
20/03/2023 23:10	1.5	279	24	2.1	0	31.4	64
20/03/2023 23:20	1	290	12	1.5	0	31.3	64
20/03/2023 23:30	0.9	278	10	1.3	0	31.3	64
20/03/2023 23:40	1.2	274	12	1.5	0	31.1	65
20/03/2023 23:50	1.2	324	20	1.5	0	30.9	64
21/03/2023 00:00	0.6	197	26	1	0	30.9	63
21/03/2023 00:10	0.5	141	29	0.9	0	30.8	63
21/03/2023 00:20	0.6	132	36	0.9	0	31	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/03/2023 00:30	0.5	178	32	1	0	30.9	66
21/03/2023 00:40	0.4	230	88	1	0	30.8	67
21/03/2023 00:50	0.4	111	47	0.6	0	30.6	69
21/03/2023 01:00	0.6	81	28	1.6	0	30.6	69
21/03/2023 01:10	2.1	5	10	2.8	0	30.7	70
21/03/2023 01:20	2.6	350	8	3.7	0	30.9	70
21/03/2023 01:30	2.3	343	9	3.6	0	30.8	70
21/03/2023 01:40	2.4	341	8	3.3	0	30.7	69
21/03/2023 01:50	2.2	347	11	3.2	0	30.6	69
21/03/2023 02:00	1.7	7	32	3.1	0	30.6	68
21/03/2023 02:10	0.6	132	64	1.3	0	30.5	68
21/03/2023 02:20	0.8	55	39	1.6	0	30.4	67
21/03/2023 02:30	2.2	199	24	4	0	30.3	65
21/03/2023 02:40	1.1	140	48	2.4	0	30.2	64
21/03/2023 02:50	1	181	23	2	0	30.3	63
21/03/2023 03:00	1	190	18	1.5	0	30.3	62
21/03/2023 03:10	1.5	276	12	2	0	30.3	62
21/03/2023 03:20	0.8	187	25	1.4	0	30.3	61
21/03/2023 03:30	1.9	78	7	2.6	0	30.4	61
21/03/2023 03:40	1.8	74	11	2.4	0	30.4	61
21/03/2023 03:50	1.4	55	9	2.4	0	30.4	60
21/03/2023 04:00	0.5	95	32	1.2	0	30.4	59
21/03/2023 04:10	0.7	112	43	1.1	0	30.4	59
21/03/2023 04:20	1.2	199	9	1.5	0	30.4	59
21/03/2023 04:30	0.7	226	17	1.2	0	30.4	59
21/03/2023 04:40	0.7	239	32	1.4	0	30.4	60
21/03/2023 04:50	1.1	46	32	2	0	30.4	61
21/03/2023 05:00	0.8	202	31	1.8	0	30.5	60
21/03/2023 05:10	1	288	9	1.6	0	29.7	62
21/03/2023 05:20	0.7	249	23	1.3	0	29.7	65
21/03/2023 05:30	1.1	278	11	1.8	0	29.6	68
21/03/2023 05:40	1.6	275	6	2	0	29.8	69
21/03/2023 05:50	1.8	264	6	2.3	0	29.9	70
21/03/2023 06:00	2.8	266	6	3.3	0	29.8	70
21/03/2023 06:10	3.4	263	7	4.1	0	29.9	70
21/03/2023 06:20	3.4	263	7	4.5	0	29.8	70
21/03/2023 06:30	1.5	288	10	2.4	0	29.8	70
21/03/2023 06:40	1.6	290	12	2.3	0	30.2	68
21/03/2023 06:50	2.3	259	9	3.4	0	30.5	65
21/03/2023 07:00	1.7	272	10	2.7	0	30.4	66
21/03/2023 07:10	1.5	283	13	1.9	0	30.8	68
21/03/2023 07:20	1.3	265	11	1.9	0	31.2	69
21/03/2023 07:30	0.8	224	57	1.4	0	31.7	69
21/03/2023 07:40	1.1	158	27	1.9	0	31.8	69
21/03/2023 07:50	1.5	88	15	2.5	0	32.3	68
21/03/2023 08:00	1.2	75	18	2	0	32.4	68
21/03/2023 08:10	1.6	72	15	2.4	0	32.3	68
21/03/2023 08:20	1.4	70	21	2.3	0	32.8	68





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/03/2023 08:30	1.7	20	26	3	0	33.1	68
21/03/2023 08:40	2.6	18	17	3.6	0	32.9	69
21/03/2023 08:50	2.4	4	21	3.5	0	32.6	70
21/03/2023 09:00	1.4	12	27	2.7	0	33	70
21/03/2023 09:10	1.4	41	35	2.7	0	33.4	69
21/03/2023 09:20	2.5	28	27	4	0	33.6	68
21/03/2023 09:30	3	72	23	5.2	0	33.5	68
21/03/2023 09:40	2.9	17	20	6.7	0	33.5	69
21/03/2023 09:50	2.4	9	31	4.2	0	33.2	70
21/03/2023 10:00	1.6	56	27	2.9	0	33.3	70
21/03/2023 10:10	1.3	179	57	2.8	0	33.7	69
21/03/2023 10:20	2.7	354	34	5	0	34	69
21/03/2023 10:30	2.6	175	29	5.1	0	34.2	68
21/03/2023 10:40	2.5	357	23	4	0	34.2	68
21/03/2023 10:50	2.9	178	24	4.4	0	33.9	69
21/03/2023 11:00	2.1	16	35	4	0	34.3	67
21/03/2023 11:10	1.6	13	45	3.7	0	34.9	65
21/03/2023 11:20	2.2	329	39	4	0	34.8	65
21/03/2023 11:30	4	324	14	5.6	0	34.6	67
21/03/2023 11:40	4.1	341	14	6.1	0	34	68
21/03/2023 11:50	3.8	340	12	5.4	0	34.2	68
21/03/2023 12:00	3.4	343	18	5.6	0	34.4	67
21/03/2023 12:10	3.4	339	21	5.6	0	34.5	67
21/03/2023 12:20	3.4	351	21	5.1	0	34.5	63
21/03/2023 12:30	4.3	12	13	6.2	0	34.7	62
21/03/2023 12:40	3.9	15	11	6	0	35.1	57
21/03/2023 12:50	3.7	11	17	5.4	0	35.8	49
21/03/2023 13:00	3.5	184	16	5.5	0	35.6	51
21/03/2023 13:10	3.4	188	20	4.9	0	35.9	50
21/03/2023 13:20	4	330	10	6	0	35	57
21/03/2023 13:30	3	352	20	4.9	0	35.5	50
21/03/2023 13:40	3	344	16	4.6	0	36.2	46
21/03/2023 13:50	3.7	346	17	5.5	0	35.6	50
21/03/2023 14:00	3.7	173	16	6.1	0	35.9	47
21/03/2023 14:10	4.1	335	13	5.6	0	35.6	48
21/03/2023 14:20	3.9	338	19	5.8	0	35.1	56
21/03/2023 14:30	4	350	13	5.6	0	35.3	51
21/03/2023 14:40	4.1	339	14	5.7	0	35.7	46
21/03/2023 14:50	4.5	326	11	6.4	0	35.2	53
21/03/2023 15:00	4.3	332	13	6.2	0	35	52
21/03/2023 15:10	4.2	335	13	6	0	35.6	49
21/03/2023 15:20	4.3	343	11	6.2	0	35.5	49
21/03/2023 15:30	4.2	336	16	6.3	0	35.2	50
21/03/2023 15:40	5	340	10	6.6	0	35	49
21/03/2023 15:50	5.4	326	11	7.4	0	34.6	51
21/03/2023 16:00	5.4	327	12	7.3	0	34.1	57
21/03/2023 16:10	5	325	13	6.5	0	33.8	60
21/03/2023 16:20	5.4	334	9	7.1	0	34	55



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/03/2023 16:30	5.6	337	10	7.5	0	33.6	58
21/03/2023 16:40	5.3	339	13	7.1	0	33.9	59
21/03/2023 16:50	5.6	346	9	7.4	0	33.3	60
21/03/2023 17:00	6.1	347	9	7.9	0	33.1	63
21/03/2023 17:10	6.1	348	9	7.9	0	32.9	65
21/03/2023 17:20	6	341	9	8	0	32.5	66
21/03/2023 17:30	5.5	330	11	7.8	0	32.2	68
21/03/2023 17:40	5.6	327	9	7.5	0	32.1	69
21/03/2023 17:50	5.1	324	11	7.3	0	31.9	69
21/03/2023 18:00	5	322	12	7.1	0	31.9	70
21/03/2023 18:10	5	318	10	6.9	0	31.6	70
21/03/2023 18:20	4.3	321	11	6.4	0	31.5	70
21/03/2023 18:30	4.9	325	12	7.3	0	31.4	71
21/03/2023 18:40	4.5	318	9	6.5	0	31.4	71
21/03/2023 18:50	4.8	312	10	6.9	0	31.4	69
21/03/2023 19:00	4.3	323	11	6.6	0	31.4	70
21/03/2023 19:10	4.7	311	11	6.7	0	31.3	70
21/03/2023 19:20	4.7	283	8	6.7	0	31.4	70
21/03/2023 19:30	5.4	276	6	7.2	0	31.4	69
21/03/2023 19:40	5.2	278	9	7	0	31.4	70
21/03/2023 19:50	5.6	275	8	7.1	0	31.3	70
21/03/2023 20:00	5.3	267	7	6.7	0	31.4	71
21/03/2023 20:10	4.5	272	9	5.8	0	31.2	71
21/03/2023 20:20	3.8	256	7	4.8	0	31.2	71
21/03/2023 20:30	4.1	275	7	5.5	0	31.2	71
21/03/2023 20:40	3.3	274	8	4.4	0	31.2	71
21/03/2023 20:50	2.7	281	11	3.8	0	31.1	71
21/03/2023 21:00	3.1	284	7	4	0	31.1	71
21/03/2023 21:10	3.6	284	7	4.7	0	31.1	71
21/03/2023 21:20	3.6	281	8	4.8	0	31.1	71
21/03/2023 21:30	2.8	286	11	3.7	0	31.1	71
21/03/2023 21:40	2	200	25	3.1	0	31.2	71
21/03/2023 21:50	2.8	150	24	5.2	0	31	70
21/03/2023 22:00	4	147	15	6.7	0	30.3	66
21/03/2023 22:10	5	166	17	8.1	0	29.8	67
21/03/2023 22:20	3.1	160	25	5.5	0	29	69
21/03/2023 22:30	2.5	189	18	4.2	0	28.8	69
21/03/2023 22:40	1.2	221	23	2.1	0	28.4	69
21/03/2023 22:50	1.2	300	16	2	0	28.5	67
21/03/2023 23:00	0.5	287	47	1.1	0	28.8	66
21/03/2023 23:10	1.2	292	16	1.7	0	29.2	64
21/03/2023 23:20	2.2	293	8	2.9	0	29.6	62
21/03/2023 23:30	2.7	298	9	3.9	0	30.1	61
21/03/2023 23:40	2.2	313	12	3.7	0	30	63
21/03/2023 23:50	1.7	282	10	2.8	0	29.8	65
22/03/2023 00:00	2	278	9	2.9	0	29.6	68
22/03/2023 00:10	2.2	279	9	2.8	0	29.5	69
22/03/2023 00:20	1.4	273	17	2	0	29.5	68



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/03/2023 00:30	1.3	307	8	1.8	0	29.6	68
22/03/2023 00:40	1	311	28	1.8	0	29.7	68
22/03/2023 00:50	0.9	255	15	1.6	0	29.9	68
22/03/2023 01:00	0.7	262	11	1	0	29.8	69
22/03/2023 01:10	1.4	190	17	2.5	0	29.8	69
22/03/2023 01:20	1.4	120	31	3.1	0	29.8	69
22/03/2023 01:30	1.6	186	13	2.5	0	29.7	70
22/03/2023 01:40	2.4	225	14	3.5	0	29.6	71
22/03/2023 01:50	4.3	265	5	5.1	0	29	72
22/03/2023 02:00	3.4	273	6	4.3	0	28.8	72
22/03/2023 02:10	1.7	227	27	2.7	0	28.8	71
22/03/2023 02:20	2	202	12	2.6	0	28.8	71
22/03/2023 02:30	2.5	205	10	3.1	0	28.9	71
22/03/2023 02:40	1.7	215	14	2.7	0	29.4	71
22/03/2023 02:50	2.1	212	12	2.9	0	29.7	70
22/03/2023 03:00	1.4	218	20	2.9	0	29.8	69
22/03/2023 03:10	0.7	227	26	1.1	0	29.7	71
22/03/2023 03:20	1.3	241	24	2.4	0	29.5	71
22/03/2023 03:30	1.7	229	19	3	0	29.4	70
22/03/2023 03:40	1.4	225	21	2.8	0	29.5	67
22/03/2023 03:50	2.1	210	15	3.4	0	29.5	67
22/03/2023 04:00	2.4	213	15	3.6	0	29.5	67
22/03/2023 04:10	1.4	244	19	2.2	0	29.4	65
22/03/2023 04:20	1.9	241	15	2.8	0	29.4	64
22/03/2023 04:30	3	223	16	5.2	0	29.7	62
22/03/2023 04:40	1.9	241	25	3.4	0	29.6	62
22/03/2023 04:50	2	184	14	3.3	0	29.8	60
22/03/2023 05:00	2.9	188	12	4.5	0	29.6	60
22/03/2023 05:10	2.9	187	13	4.7	0	29.9	58
22/03/2023 05:20	3	174	16	5.9	0	29.9	57
22/03/2023 05:30	2.3	157	18	3.8	0	29.9	59
22/03/2023 05:40	2.7	165	12	4.1	0	29.8	60
22/03/2023 05:50	2.6	162	13	4.3	0	29.4	63
22/03/2023 06:00	2.2	156	20	3.6	0	29.3	63
22/03/2023 06:10	2.8	163	11	3.9	0	29.3	64
22/03/2023 06:20	2	153	13	3.2	0	29.4	63
22/03/2023 06:30	1.1	76	41	1.9	0	29.4	63
22/03/2023 06:40	1.4	122	35	2.7	0	29.5	63
22/03/2023 06:50	1.6	49	36	2.4	0	29.3	64
22/03/2023 07:00	0.7	95	50	1.2	0	29.2	65
22/03/2023 07:10	0.9	139	67	2.4	0	29.4	64
22/03/2023 07:20	2.1	166	25	3.4	0	30.1	60
22/03/2023 07:30	1.8	161	19	3.1	0	30.7	59
22/03/2023 07:40	1.6	151	17	3	0	31.4	57
22/03/2023 07:50	1.3	137	47	2.5	0	32.1	55
22/03/2023 08:00	1.5	127	27	2.4	0	32.6	53
22/03/2023 08:10	2.5	84	8	3.1	0	31.9	56
22/03/2023 08:20	2.3	97	12	3	0	31.9	55



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/03/2023 08:30	1.2	139	29	2.3	0	32.7	54
22/03/2023 08:40	1.8	191	17	2.8	0	32.1	54
22/03/2023 08:50	1.7	133	16	2.9	0	32.8	52
22/03/2023 09:00	1.6	225	36	2.8	0	33.2	51
22/03/2023 09:10	1	172	56	2.2	0	33.6	53
22/03/2023 09:20	2	221	50	3.6	0	33.8	52
22/03/2023 09:30	1.6	171	18	2.9	0	34.2	49
22/03/2023 09:40	1.9	162	27	3.2	0	34.4	48
22/03/2023 09:50	1.6	137	21	2.5	0	34.8	48
22/03/2023 10:00	1.9	224	37	3.5	0	35	49
22/03/2023 10:10	2.4	240	44	3.9	0	35.1	49
22/03/2023 10:20	1.9	128	29	3.1	0	35.3	48
22/03/2023 10:30	1.5	77	45	2.7	0	36	46
22/03/2023 10:40	1.9	183	39	3.9	0	36.2	47
22/03/2023 10:50	3	352	16	5.2	0	35.5	48
22/03/2023 11:00	2.2	300	29	3.7	0	35.8	47
22/03/2023 11:10	2.5	244	25	3.8	0	35.8	46
22/03/2023 11:20	2.5	310	22	4	0	36.3	46
22/03/2023 11:30	2.8	302	19	4.5	0	35.9	47
22/03/2023 11:40	3.3	312	21	4.9	0	36	48
22/03/2023 11:50	2.8	329	18	4.1	0	35.7	49
22/03/2023 12:00	3.2	309	12	4.3	0	36.1	48
22/03/2023 12:10	3.4	319	11	4.7	0	36.1	48
22/03/2023 12:20	3.8	329	8	5.4	0	35.4	54
22/03/2023 12:30	3.9	330	11	5.8	0	35.7	52
22/03/2023 12:40	3.6	329	11	5	0	35.6	53
22/03/2023 12:50	3.7	316	13	5.6	0	36	52
22/03/2023 13:00	3.7	313	12	5.2	0	35.8	53
22/03/2023 13:10	3.5	303	19	5.3	0	36.3	52
22/03/2023 13:20	3.7	308	19	5.9	0	36.3	52
22/03/2023 13:30	4.2	308	17	6.3	0	36.5	51
22/03/2023 13:40	4.6	316	15	6.7	0	36.2	50
22/03/2023 13:50	3.8	326	15	5.5	0	36	50
22/03/2023 14:00	4.1	321	11	5.6	0	36.2	50
22/03/2023 14:10	4	307	17	5.7	0	36.6	50
22/03/2023 14:20	4.6	293	17	6.9	0	36.8	48
22/03/2023 14:30	4.7	282	9	6.3	0	36.5	48
22/03/2023 14:40	4.4	280	10	5.7	0	36.5	49
22/03/2023 14:50	4.3	280	13	6	0	36.7	49
22/03/2023 15:00	4.7	278	9	6.2	0	36.3	51
22/03/2023 15:10	3.9	289	19	6	0	36.9	49
22/03/2023 15:20	5	278	9	7	0	36.8	49
22/03/2023 15:30	4.6	284	14	6.3	0	36.6	50
22/03/2023 15:40	4.9	278	10	7	0	35.9	52
22/03/2023 15:50	4.6	289	15	6.4	0	35.6	53
22/03/2023 16:00	4.7	281	10	6.3	0	35.8	56
22/03/2023 16:10	4.8	280	9	6.7	0	35.7	56
22/03/2023 16:20	5	285	10	6.6	0	35.2	56



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/03/2023 16:30	5	285	10	6.8	0	35.2	56
22/03/2023 16:40	5.2	285	12	6.6	0	35	57
22/03/2023 16:50	4.4	285	10	5.7	0	35	58
22/03/2023 17:00	4.6	279	11	5.9	0	34.9	59
22/03/2023 17:10	5.2	271	7	6.9	0	34.7	59
22/03/2023 17:20	4.9	274	9	6.2	0	34.3	59
22/03/2023 17:30	5	279	6	6.3	0	34	59
22/03/2023 17:40	4.7	290	8	6.2	0	33.8	60
22/03/2023 17:50	4.6	290	7	5.8	0	33.5	63
22/03/2023 18:00	4.3	284	8	5.8	0	33.7	65
22/03/2023 18:10	5.2	289	5	6.1	0	33.3	66
22/03/2023 18:20	4.6	289	6	5.7	0	32.9	68
22/03/2023 18:30	5.4	277	7	6.6	0	32.6	68
22/03/2023 18:40	5.3	276	5	6.6	0	32.5	69
22/03/2023 18:50	5	277	6	6.3	0	32.4	70
22/03/2023 19:00	5.2	280	6	6.2	0	32.2	70
22/03/2023 19:10	5.2	274	5	6.6	0	32.1	70
22/03/2023 19:20	5	279	7	6.2	0	32	70
22/03/2023 19:30	4.6	279	7	5.7	0	31.9	71
22/03/2023 19:40	5.2	272	6	6.6	0	31.9	71
22/03/2023 19:50	5.5	267	7	7.6	0	31.8	67
22/03/2023 20:00	5.5	268	6	6.9	0	31.9	66
22/03/2023 20:10	4.7	275	7	6.1	0	31.7	69
22/03/2023 20:20	4.5	274	7	6.3	0	31.6	68
22/03/2023 20:30	4.7	272	6	6.1	0	31.6	69
22/03/2023 20:40	4.7	270	6	5.9	0	31.6	69
22/03/2023 20:50	4.4	271	7	5.9	0	31.5	70
22/03/2023 21:00	5	272	6	6.5	0	31.5	70
22/03/2023 21:10	4.8	266	7	6.2	0	31.4	70
22/03/2023 21:20	4.3	267	7	5.9	0	31.4	69
22/03/2023 21:30	4.3	268	6	5.3	0	31.4	69
22/03/2023 21:40	3.9	264	5	5	0	31.4	69
22/03/2023 21:50	4	263	6	5.3	0	31.3	70
22/03/2023 22:00	4.2	262	6	5.6	0	31.4	69
22/03/2023 22:10	3.8	265	6	4.8	0	31.3	68
22/03/2023 22:20	3.8	265	5	4.7	0	31.3	69
22/03/2023 22:30	3.3	260	6	4.1	0	31.2	70
22/03/2023 22:40	3.4	266	5	4.5	0	31.1	70
22/03/2023 22:50	3.8	269	5	5.2	0	31.2	71
22/03/2023 23:00	4	263	7	5.1	0	31.1	72
22/03/2023 23:10	4	267	6	4.9	0	31.1	72
22/03/2023 23:20	3.8	262	6	4.8	0	31	72
22/03/2023 23:30	3.5	260	5	4.4	0	30.9	72
22/03/2023 23:40	3.3	260	6	4.2	0	30.8	71
22/03/2023 23:50	3.7	258	5	4.9	0	30.7	70
23/03/2023 00:00	3.4	261	4	4	0	30.7	69
23/03/2023 00:10	3.5	264	6	4.2	0	30.9	66
23/03/2023 00:20	3.2	268	9	4.2	0	30.9	64



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/03/2023 00:30	2.5	260	12	3.6	0	31	62
23/03/2023 00:40	2.6	240	16	4.4	0	31.4	59
23/03/2023 00:50	3.5	210	11	5.7	0	31.7	54
23/03/2023 01:00	3.8	211	12	5.9	0	31.5	53
23/03/2023 01:10	4.7	211	11	6.9	0	31.5	52
23/03/2023 01:20	4.9	214	10	7.1	0	31.6	52
23/03/2023 01:30	3.9	217	12	6.3	0	31.4	53
23/03/2023 01:40	3.1	217	15	5.1	0	31.3	53
23/03/2023 01:50	2.4	222	23	4.3	0	31.1	54
23/03/2023 02:00	1.8	259	26	3.1	0	30.6	55
23/03/2023 02:10	1.6	236	26	3.5	0	30.4	56
23/03/2023 02:20	1.2	249	59	3.1	0	30.5	56
23/03/2023 02:30	1.6	235	42	3.9	0	30.4	56
23/03/2023 02:40	3.4	228	19	5.8	0	30.6	55
23/03/2023 02:50	3.1	211	15	4.7	0	30.9	53
23/03/2023 03:00	2.8	214	14	4.4	0	30.7	53
23/03/2023 03:10	2.3	220	23	4.2	0	30.8	53
23/03/2023 03:20	2.1	217	28	3.7	0	30.7	53
23/03/2023 03:30	1.8	211	22	3.4	0	30.7	53
23/03/2023 03:40	2	182	21	3.5	0	30.6	53
23/03/2023 03:50	2.2	178	29	4	0	30.6	53
23/03/2023 04:00	2.5	174	25	4.3	0	30.6	54
23/03/2023 04:10	2.1	173	25	4.2	0	30.4	54
23/03/2023 04:20	1	91	65	2.3	0	30.2	55
23/03/2023 04:30	1.7	33	15	2.5	0	29.8	56
23/03/2023 04:40	0.9	50	33	1.7	0	29.8	56
23/03/2023 04:50	1.5	269	42	3.3	0	29.8	56
23/03/2023 05:00	3	171	23	5.5	0	30.1	54
23/03/2023 05:10	3.7	177	13	5.9	0	30.2	53
23/03/2023 05:20	3.4	179	15	6.1	0	30	54
23/03/2023 05:30	3.2	172	20	5.6	0	30	54
23/03/2023 05:40	3.2	167	21	5.7	0	30	54
23/03/2023 05:50	2.3	168	27	4.4	0	29.9	54
23/03/2023 06:00	2.4	167	34	5.6	0	29.9	54
23/03/2023 06:10	3.6	175	16	6.1	0	30	53
23/03/2023 06:20	3.6	170	17	6.3	0	30.1	53
23/03/2023 06:30	2.1	165	32	4.2	0	30	53
23/03/2023 06:40	1.1	156	58	2.5	0	30.1	52
23/03/2023 06:50	1.4	126	38	3.1	0	30.4	51
23/03/2023 07:00	1.7	142	23	3.4	0	30.8	50
23/03/2023 07:10	2.7	144	21	4.6	0	31.1	49
23/03/2023 07:20	2.9	133	17	5	0	31.3	48
23/03/2023 07:30	3	140	17	4.9	0	31.5	48
23/03/2023 07:40	2.9	135	19	5.2	0	31.7	47
23/03/2023 07:50	3	135	17	5	0	32	47
23/03/2023 08:00	2.6	137	22	4.3	0	32.4	46
23/03/2023 08:10	3.4	140	15	6	0	32.5	45
23/03/2023 08:20	3.7	139	13	5.5	0	32.6	45



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/03/2023 08:30	3.3	142	15	5.4	0	32.6	46
23/03/2023 08:40	2.8	115	16	4.3	0	33.5	48
23/03/2023 08:50	3.2	107	12	4.8	0	33.6	48
23/03/2023 09:00	3.3	107	12	5.1	0	34.2	46
23/03/2023 09:10	3.7	106	12	4.7	0	34	46
23/03/2023 09:20	3.1	106	13	5.1	0	34.4	46
23/03/2023 09:30	3.3	105	13	4.6	0	34.7	45
23/03/2023 09:40	3.8	106	12	5.9	0	35	43
23/03/2023 09:50	3.5	106	13	5.1	0	35.5	42
23/03/2023 10:00	3.7	101	12	5.1	0	35.7	42
23/03/2023 10:10	3	112	16	4.3	0	36.3	40
23/03/2023 10:20	3.9	110	13	5.5	0	36.8	37
23/03/2023 10:30	3.6	111	12	5.3	0	37.3	36
23/03/2023 10:40	3.3	112	14	5.7	0	37.5	36
23/03/2023 10:50	3.4	106	15	5.1	0	37.6	36
23/03/2023 11:00	2.9	108	18	5	0	38.1	34
23/03/2023 11:10	3	106	16	4.4	0	38.8	32
23/03/2023 11:20	3.8	100	12	5.4	0	38.4	32
23/03/2023 11:30	4.3	92	10	5.8	0	38.6	31
23/03/2023 11:40	3.6	97	13	6.2	0	39.1	31
23/03/2023 11:50	4.5	69	13	6.6	0	38.4	35
23/03/2023 12:00	5	55	9	6.4	0	38	36
23/03/2023 12:10	5.3	56	8	6.6	0	37.8	36
23/03/2023 12:20	5.2	63	9	6.7	0	38.1	36
23/03/2023 12:30	5	70	9	6.6	0	38.2	35
23/03/2023 12:40	5.3	68	8	7.1	0	38	37
23/03/2023 12:50	5.5	73	8	7	0	38.1	36
23/03/2023 13:00	5.3	70	7	7.2	0	38.1	35
23/03/2023 13:10	5.6	67	8	7.1	0	38.5	34
23/03/2023 13:20	6.3	67	8	8.5	0	38.4	33
23/03/2023 13:30	5.8	65	8	8	0	38.7	33
23/03/2023 13:40	6.4	63	8	8.5	0	38.2	35
23/03/2023 13:50	6.5	61	7	8.2	0	38	36
23/03/2023 14:00	6.4	60	8	8.4	0	38.1	35
23/03/2023 14:10	6.8	65	9	8.6	0	37.8	36
23/03/2023 14:20	7.3	65	7	9.2	0	37.8	35
23/03/2023 14:30	6.5	62	8	8.8	0	38	35
23/03/2023 14:40	6.9	59	8	8.9	0	38.3	32
23/03/2023 14:50	6.8	55	8	9.2	0	38.3	32
23/03/2023 15:00	6.7	55	7	8.1	0	38.4	31
23/03/2023 15:10	5.7	54	8	7.2	0	38.8	29
23/03/2023 15:20	4.8	56	9	6.2	0	39.2	29
23/03/2023 15:30	4.5	49	15	7.3	0	39.3	29
23/03/2023 15:40	7.3	11	9	9.1	0	37.1	46
23/03/2023 15:50	6.7	184	10	8.5	0	36.6	48
23/03/2023 16:00	6.7	178	9	8.6	0	36.4	49
23/03/2023 16:10	6.5	7	7	8	0	36.3	49
23/03/2023 16:20	6.4	352	9	8.6	0	36.2	49



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/03/2023 16:30	6.8	179	7	8.3	0	35.8	48
23/03/2023 16:40	6.5	9	9	8.4	0	35.8	49
23/03/2023 16:50	7.1	12	7	9.1	0	35.2	56
23/03/2023 17:00	7.3	9	8	9.3	0	34.1	63
23/03/2023 17:10	6.9	6	9	9.5	0	34	63
23/03/2023 17:20	6.7	178	10	8.9	0	34	62
23/03/2023 17:30	7.5	358	8	9.9	0	33.6	62
23/03/2023 17:40	7.7	179	8	10.2	0	33.4	62
23/03/2023 17:50	7.3	2	7	9.7	0	33.4	59
23/03/2023 18:00	7.7	182	9	10	0	32.9	65
23/03/2023 18:10	7.6	355	9	10.5	0	32.4	70
23/03/2023 18:20	7.6	181	10	10.6	0	32.1	70
23/03/2023 18:30	6.5	357	9	9.8	0	32.2	70
23/03/2023 18:40	6.8	341	9	9.1	0	32	71
23/03/2023 18:50	6.6	344	9	8.8	0	31.8	71
23/03/2023 19:00	6.3	348	9	8.8	0	31.7	71
23/03/2023 19:10	6.2	342	9	8.9	0	31.7	71
23/03/2023 19:20	6.8	336	9	9.8	0	31.5	71
23/03/2023 19:30	6.8	338	8	9.4	0	31.4	71
23/03/2023 19:40	6.7	342	9	9.3	0	31.3	70
23/03/2023 19:50	6	341	9	8.5	0	31.2	70
23/03/2023 20:00	6	344	8	8.1	0	31.1	70
23/03/2023 20:10	5.3	334	11	8.1	0	31.1	70
23/03/2023 20:20	5.1	328	10	7.5	0	31.1	70
23/03/2023 20:30	5.1	320	12	7.8	0	31.1	70
23/03/2023 20:40	5.3	308	11	7.5	0	31	69
23/03/2023 20:50	4.3	301	10	6.3	0	31	69
23/03/2023 21:00	3.9	291	11	6.1	0	30.9	69
23/03/2023 21:10	3.9	285	11	5.8	0	30.9	68
23/03/2023 21:20	3.6	288	10	5.4	0	30.8	68
23/03/2023 21:30	3.2	287	8	4.4	0	30.8	68
23/03/2023 21:40	3.5	286	8	5	0	30.7	68
23/03/2023 21:50	3.7	291	7	4.9	0	30.7	67
23/03/2023 22:00	3.2	290	9	4.4	0	30.7	67
23/03/2023 22:10	3	277	9	4.5	0	30.6	66
23/03/2023 22:20	3.5	282	9	4.6	0	30.6	66
23/03/2023 22:30	3.5	284	8	4.6	0	30.5	66
23/03/2023 22:40	3.4	276	11	4.7	0	30.5	66
23/03/2023 22:50	3.7	268	8	4.8	0	30.5	66
23/03/2023 23:00	4.1	267	6	5.3	0	30.4	66
23/03/2023 23:10	3.6	269	6	4.7	0	30.5	66
23/03/2023 23:20	3.6	262	7	4.6	0	30.5	66
23/03/2023 23:30	4.2	261	6	5.4	0	30.4	66
23/03/2023 23:40	4.1	259	6	5.3	0	30.4	65
23/03/2023 23:50	4	262	5	4.9	0	30.4	66
24/03/2023 00:00	4.2	259	6	5.1	0	30.3	66
24/03/2023 00:10	3.7	258	7	4.9	0	30.3	67
24/03/2023 00:20	3	247	10	4.4	0	30.3	67





# Yara Pilbara Nitrates- Western Boundary 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/03/2023 00:30	3.6	261	6	4.8	0	30.1	67
24/03/2023 00:40	4	261	7	5.1	0	30	67
24/03/2023 00:50	3.8	262	6	4.9	0	29.9	67
24/03/2023 01:00	3	254	12	4.1	0	30	68
24/03/2023 01:10	2.5	262	10	4	0	29.9	69
24/03/2023 01:20	2.6	254	12	3.7	0	30	70
24/03/2023 01:30	2.8	266	4	3.5	0	29.9	70
24/03/2023 01:40	3.2	264	5	3.9	0	29.8	70
24/03/2023 01:50	3.4	262	5	4.1	0	29.8	71
24/03/2023 02:00	3.4	263	4	4	0	29.8	71
24/03/2023 02:10	3.1	263	5	3.8	0	29.8	71
24/03/2023 02:20	3.2	264	5	3.7	0	29.8	71
24/03/2023 02:30	3.4	262	4	4.1	0	29.8	71
24/03/2023 02:40	3.1	266	3	3.7	0	29.7	71
24/03/2023 02:50	2.9	268	3	3.4	0	29.8	71
24/03/2023 03:00	3	266	3	3.5	0	29.8	71
24/03/2023 03:10	3.1	264	3	3.6	0	29.5	71
24/03/2023 03:20	2.8	268	3	3.2	0	29.5	71
24/03/2023 03:30	1.8	274	5	2.6	0	29.5	71
24/03/2023 03:40	1.5	277	7	1.8	0	29.5	71
24/03/2023 03:50	1.1	275	10	1.6	0	29.4	71
24/03/2023 04:00	1.3	271	7	1.9	0	29.2	71
24/03/2023 04:10	1.2	268	14	1.8	0	29	71
24/03/2023 04:20	1.1	249	16	1.8	0	29.2	71
24/03/2023 04:30	0.5	242	34	1	0	29.3	71
24/03/2023 04:40	0.6	277	34	1.3	0	29.4	71
24/03/2023 04:50	0.8	256	22	1.3	0	29.6	71
24/03/2023 05:00	0.5	312	30	1.1	0	29.5	71
24/03/2023 05:10	0.3	203	46	0.7	0	29.4	71
24/03/2023 05:20	0.5	320	41	1	0	29.4	71
24/03/2023 05:30	0.5	292	24	0.7	0	29.4	71
24/03/2023 05:40	0.5	296	15	1.1	0	29.4	72
24/03/2023 05:50	0.5	300	25	0.9	0	29.4	72
24/03/2023 06:00	0.2	65	44	0.3	0	29.3	72
24/03/2023 06:10	0.5	172	25	0.9	0	29.3	72
24/03/2023 06:20	0.3	155	66	0.6	0	29.1	72
24/03/2023 06:30	0.7	17	10	1	0	29.1	72
24/03/2023 06:40	0.9	345	10	1.1	0	29.4	72
24/03/2023 06:50	0.9	318	11	1.2	0	29.6	71
24/03/2023 07:00	0.6	313	8	0.9	0	30.1	71
24/03/2023 07:10	0.3	326	34	0.6	0	30.6	70
24/03/2023 07:20	0.5	287	57	1	0	31.2	68
24/03/2023 07:30	0.9	191	16	1.3	0	31.1	68
24/03/2023 07:40	0.5	233	37	1	0	31.2	66
24/03/2023 07:50	0.6	189	34	1.3	0	31.9	64
24/03/2023 08:00	0.6	252	45	1.1	0	32.6	60
24/03/2023 08:10	0.9	159	15	1.6	0	32.8	59
24/03/2023 08:20	0.8	170	32	1.6	0	33.1	57



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/03/2023 08:30	1.8	281	38	3	0	33.2	56
24/03/2023 08:40	1.1	217	44	1.9	0	33.3	56
24/03/2023 08:50	0.9	159	32	2.2	0.1	34.4	52
24/03/2023 09:00	1.9	130	16	3.1	0	34.8	54
24/03/2023 09:10	2.4	129	17	3.3	0	34.6	53
24/03/2023 09:20	1.8	124	32	2.7	0	34.3	53
24/03/2023 09:30	1.9	42	21	3.2	0	34.7	53
24/03/2023 09:40	1.8	70	18	3.2	0	34.9	52
24/03/2023 09:50	1.7	204	30	3.3	0	34.7	54
24/03/2023 10:00	3.2	65	17	4.8	0	34.6	53
24/03/2023 10:10	3.3	65	8	4.4	0	34.1	55
24/03/2023 10:20	3.4	70	11	5.4	0	34.6	52
24/03/2023 10:30	3.6	71	14	4.7	0	34.8	51
24/03/2023 10:40	4.1	64	9	6	0	34.8	51
24/03/2023 10:50	4.2	69	11	5.7	0	34.8	52
24/03/2023 11:00	4.9	66	10	6.6	0	34.6	53
24/03/2023 11:10	4.4	67	10	5.7	0	34.3	55
24/03/2023 11:20	4.6	65	11	6.3	0	34.7	55
24/03/2023 11:30	4.5	56	14	6.5	0	35.2	53
24/03/2023 11:40	4.1	18	18	6.9	0	35.6	51
24/03/2023 11:50	5.3	16	8	7	0	35.1	51
24/03/2023 12:00	5.2	8	13	7.1	0	34.9	54
24/03/2023 12:10	5.3	41	15	7.2	0	35.1	54
24/03/2023 12:20	6.9	66	9	8.8	0	34.6	54
24/03/2023 12:30	10.8	73	8	14.8	0	33.4	57
24/03/2023 12:40	12.3	78	8	16.7	0	30.7	67
24/03/2023 12:50	12.9	77	7	17.6	0	30.6	66
24/03/2023 13:00	12.5	78	7	15.9	0	30.3	67
24/03/2023 13:10	10.2	79	8	13.9	0	30.8	67
24/03/2023 13:20	8.4	72	9	11.1	0	31.3	65
24/03/2023 13:30	6.9	69	11	9.6	0	31.3	66
24/03/2023 13:40	6.4	78	8	8.8	0	32	65
24/03/2023 13:50	7.2	77	7	9.5	0	31.1	67
24/03/2023 14:00	6.5	76	10	8.4	0	31.4	64
24/03/2023 14:10	5.6	75	12	7.8	0	32.3	62
24/03/2023 14:20	6.2	71	10	8.5	0	31.9	64
24/03/2023 14:30	6.3	75	7	8.1	0	32	62
24/03/2023 14:40	6.1	72	8	7.8	0	31.8	64
24/03/2023 14:50	6.1	73	7	8.1	0	32.2	58
24/03/2023 15:00	5.8	68	8	7.7	0	32.7	55
24/03/2023 15:10	4.8	82	14	6.4	0	33.5	50
24/03/2023 15:20	5.4	71	10	7	0	33.3	52
24/03/2023 15:30	5.4	75	10	6.9	0	32.7	53
24/03/2023 15:40	5.6	77	6	6.9	0	32.5	53
24/03/2023 15:50	4.6	71	11	6.4	0	32.9	51
24/03/2023 16:00	4.6	50	9	5.8	0	32.9	50
24/03/2023 16:10	4.1	53	12	5.6	0	33.1	49
24/03/2023 16:20	4.5	62	9	5.6	0	33.2	52



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/03/2023 16:30	4.6	82	11	6.3	0	33	53
24/03/2023 16:40	4.5	84	9	5.8	0	32.5	55
24/03/2023 16:50	4	62	11	5.3	0	32.4	56
24/03/2023 17:00	3.9	55	10	5.3	0	32.1	59
24/03/2023 17:10	3.7	61	11	5.3	0	32.1	60
24/03/2023 17:20	3.6	54	10	4.6	0	31.8	61
24/03/2023 17:30	3.2	59	9	4.2	0	31.8	60
24/03/2023 17:40	2.9	80	13	3.7	0	31.5	61
24/03/2023 17:50	2.6	78	11	3.5	0	31.5	61
24/03/2023 18:00	3.4	56	10	4.2	0	31.1	63
24/03/2023 18:10	3.2	58	8	4	0	30.9	64
24/03/2023 18:20	3.4	53	7	4.5	0	30.5	66
24/03/2023 18:30	3.2	51	8	4.2	0	30.2	68
24/03/2023 18:40	3.2	51	7	4	0	30.1	67
24/03/2023 18:50	2.7	58	9	3.4	0	30.1	67
24/03/2023 19:00	2.5	67	10	3.4	0	30.1	68
24/03/2023 19:10	2.6	65	10	3.6	0	30.1	69
24/03/2023 19:20	2.4	54	8	3.2	0	29.9	70
24/03/2023 19:30	2.8	54	8	3.6	0	30	69
24/03/2023 19:40	2.9	50	7	4	0	30	69
24/03/2023 19:50	3.2	58	7	4.3	0	30.1	69
24/03/2023 20:00	2.6	61	8	3.6	0	30	71
24/03/2023 20:10	2.3	54	9	3.1	0	30	71
24/03/2023 20:20	2.1	63	8	2.9	0	29.9	71
24/03/2023 20:30	2.1	52	8	2.6	0	30	71
24/03/2023 20:40	1.9	47	10	2.6	0	30	71
24/03/2023 20:50	2.2	15	15	3	0	30	70
24/03/2023 21:00	1.9	181	11	2.6	0	30.3	69
24/03/2023 21:10	1.6	351	14	2.5	0	30.1	71
24/03/2023 21:20	1.7	8	8	2.3	0	30.1	70
24/03/2023 21:30	1.6	16	8	2.3	0	30.1	68
24/03/2023 21:40	1.6	31	8	2.4	0	30.2	67
24/03/2023 21:50	2.5	25	6	3	0	30.2	64
24/03/2023 22:00	1.9	38	8	2.6	0	30.3	66
24/03/2023 22:10	1.7	39	9	2.5	0	30.2	70
24/03/2023 22:20	1.7	30	11	2.4	0	30.2	71
24/03/2023 22:30	1.3	23	11	1.9	0	30.2	72
24/03/2023 22:40	1.6	29	12	2.5	0	30	72
24/03/2023 22:50	1.7	13	11	2.3	0	29.9	72
24/03/2023 23:00	2.2	7	7	2.9	0	29.9	72
24/03/2023 23:10	1.9	181	9	2.8	0	29.9	72
24/03/2023 23:20	1.2	187	15	1.8	0	30	72
24/03/2023 23:30	1.9	18	10	2.9	0	30	72
24/03/2023 23:40	1.5	180	17	2.4	0	29.9	72
24/03/2023 23:50	1.2	25	10	1.8	0	29.9	72
25/03/2023 00:00	0.9	44	15	1.6	0	29.9	72
25/03/2023 00:10	1	70	8	1.4	0	29.9	72
25/03/2023 00:20	0.7	182	42	1.3	0	29.8	72



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/03/2023 00:30	0.3	20	42	0.6	0	29.7	72
25/03/2023 00:40	0.5	155	25	1	0	29.6	72
25/03/2023 00:50	0.5	42	22	0.7	0	29.7	72
25/03/2023 01:00	0.3	189	46	0.6	0	29.7	72
25/03/2023 01:10	0.1	110	64	0.3	0	29.6	72
25/03/2023 01:20	0.2	191	36	0.4	0	29.6	72
25/03/2023 01:30	0.3	154	30	0.7	0	29.5	72
25/03/2023 01:40	1	279	10	1.6	0	29.5	72
25/03/2023 01:50	0.6	247	39	1.3	0	29.6	72
25/03/2023 02:00	1.1	270	21	2.1	0	29.6	72
25/03/2023 02:10	2.2	245	12	2.9	0	29.7	72
25/03/2023 02:20	2.5	246	13	3.5	0	29.7	72
25/03/2023 02:30	2.4	238	10	3.3	0	29.8	72
25/03/2023 02:40	1.6	249	12	2.6	0	29.8	72
25/03/2023 02:50	2.4	237	8	3.1	0	29.7	72
25/03/2023 03:00	1.8	242	12	2.8	0	29.8	72
25/03/2023 03:10	1.6	249	16	2.7	0	29.7	72
25/03/2023 03:20	1.2	267	16	2	0	29.7	72
25/03/2023 03:30	1	260	19	1.8	0	29.4	72
25/03/2023 03:40	1.4	280	9	2	0	29.2	71
25/03/2023 03:50	1.6	267	9	2.3	0	29.1	71
25/03/2023 04:00	2	249	12	2.7	0	29.4	70
25/03/2023 04:10	0.4	285	47	0.9	0	29.3	70
25/03/2023 04:20	1	261	18	1.7	0	29.1	70
25/03/2023 04:30	2.2	246	10	2.9	0	29.2	70
25/03/2023 04:40	1.5	211	12	2.2	0	29.4	70
25/03/2023 04:50	1.7	242	15	2.2	0	29.3	70
25/03/2023 05:00	1.4	232	17	2.2	0	29.3	69
25/03/2023 05:10	1.6	231	15	2.7	0	29.3	70
25/03/2023 05:20	1.4	229	16	2.4	0	29.3	70
25/03/2023 05:30	1.3	186	14	2.4	0	29.3	70
25/03/2023 05:40	1.7	161	13	2.3	0	29.2	70
25/03/2023 05:50	1.5	122	12	2.1	0	29.3	71
25/03/2023 06:00	1.4	109	15	2.2	0	29.1	71
25/03/2023 06:10	1.8	120	16	2.7	0	28.9	70
25/03/2023 06:20	1.5	132	14	2.1	0	28.9	70
25/03/2023 06:30	1.5	165	16	2.1	0	29	70
25/03/2023 06:40	1.1	169	18	1.9	0	29.1	70
25/03/2023 06:50	1.3	127	15	2	0	29.3	70
25/03/2023 07:00	1.2	137	15	2	0	29.5	70
25/03/2023 07:10	1.4	163	26	2.2	0	29.5	71
25/03/2023 07:20	1.6	126	15	2.5	0	29.6	71
25/03/2023 07:30	1.8	174	15	2.5	0	29.6	71
25/03/2023 07:40	1.9	170	13	2.7	0	29.7	71
25/03/2023 07:50	1.7	162	20	2.7	0	29.8	71
25/03/2023 08:00	1.6	158	21	2.5	0	29.8	72
25/03/2023 08:10	1.7	140	20	2.5	0	29.9	72
25/03/2023 08:20	1.6	112	16	2.3	0	30.2	72



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/03/2023 08:30	1.6	124	13	2.4	0	30.5	71
25/03/2023 08:40	1.4	154	30	2.4	0	30.8	71
25/03/2023 08:50	1.8	108	22	2.9	0	31.6	70
25/03/2023 09:00	1.7	124	22	3	0	32	69
25/03/2023 09:10	2	112	18	3.5	0	32.4	68
25/03/2023 09:20	2.8	111	17	4.5	0	32.2	69
25/03/2023 09:30	2.5	130	20	4.1	0	31.6	71
25/03/2023 09:40	2.3	129	35	3.9	0	31.4	71
25/03/2023 09:50	2.4	130	19	3.8	0	31.8	70
25/03/2023 10:00	2.5	138	13	4.1	0	31.7	70
25/03/2023 10:10	2.5	127	23	4.7	0	32.3	69
25/03/2023 10:20	2.9	118	20	4.5	0	32.6	67
25/03/2023 10:30	3	114	18	4.4	0	32.7	67
25/03/2023 10:40	3.4	132	16	5.1	0	32.6	68
25/03/2023 10:50	3.2	125	15	5	0	32.6	68
25/03/2023 11:00	3.6	108	13	5.4	0	32.7	67
25/03/2023 11:10	4.7	104	11	6.1	0	32.7	66
25/03/2023 11:20	5	93	14	6.8	0	32.4	67
25/03/2023 11:30	5.6	78	11	7.9	0	32.6	66
25/03/2023 11:40	5.5	77	12	7.6	0	32.7	66
25/03/2023 11:50	5.3	73	14	7.3	0	33	66
25/03/2023 12:00	5.4	68	17	7.5	0	32.3	68
25/03/2023 12:10	5.4	87	11	7.5	0	32.7	69
25/03/2023 12:20	5.4	74	12	7.4	0	32.8	69
25/03/2023 12:30	5.7	63	12	8.4	0	32.6	68
25/03/2023 12:40	6.7	58	11	8.9	0	32.4	70
25/03/2023 12:50	6.5	67	11	9.4	0	32.8	68
25/03/2023 13:00	4.5	53	16	6.6	0	32.9	65
25/03/2023 13:10	7.4	6	12	10.6	0	32.1	66
25/03/2023 13:20	6.8	356	12	10.2	0	32.1	62
25/03/2023 13:30	6.7	15	9	8.8	0	32.8	56
25/03/2023 13:40	6	18	9	7.5	0	32.2	53
25/03/2023 13:50	5.3	13	10	6.9	0	32.6	56
25/03/2023 14:00	4.3	24	13	6.2	0	32.8	59
25/03/2023 14:10	4.2	41	19	5.8	0	33.1	60
25/03/2023 14:20	4.4	45	13	6.8	0	33.4	56
25/03/2023 14:30	4	68	14	6.7	0	33.6	57
25/03/2023 14:40	4.6	79	11	6.5	0	33.6	57
25/03/2023 14:50	6.2	75	10	8.5	0	33.2	62
25/03/2023 15:00	6.5	60	7	8.3	0	31.9	67
25/03/2023 15:10	5.3	64	8	6.8	0	31.5	69
25/03/2023 15:20	4.5	62	14	6.5	0	31.3	70
25/03/2023 15:30	5.1	79	12	6.8	0	32.1	67
25/03/2023 15:40	6	68	9	7.9	0	32	67
25/03/2023 15:50	5.6	65	8	7.6	0	31.6	67
25/03/2023 16:00	5.6	62	7	7.4	0	31.5	69
25/03/2023 16:10	5.1	63	9	6.9	0	31.2	69
25/03/2023 16:20	4.7	59	7	6.1	0	31.1	70



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/03/2023 16:30	4.1	67	10	5.7	0	31.2	71
25/03/2023 16:40	4.4	78	8	5.8	0	31.2	72
25/03/2023 16:50	4.4	87	10	6.2	0	31.2	72
25/03/2023 17:00	4	82	11	5.3	0	31.2	72
25/03/2023 17:10	4.4	80	10	5.6	0	31.2	72
25/03/2023 17:20	5.5	65	11	7.1	0	31.1	72
25/03/2023 17:30	5.6	65	8	7.5	0	30.8	73
25/03/2023 17:40	5.3	70	7	6.7	0	30.5	73
25/03/2023 17:50	5	65	8	6.6	0	30.4	73
25/03/2023 18:00	5	63	8	6.9	0	30.3	72
25/03/2023 18:10	4.5	66	9	5.8	0	30.2	71
25/03/2023 18:20	4.3	72	7	5.7	0	30.2	71
25/03/2023 18:30	4	65	7	5.4	0	30.3	71
25/03/2023 18:40	3.8	59	8	5	0	30.3	70
25/03/2023 18:50	3.3	42	13	4.9	0	30.3	67
25/03/2023 19:00	3	40	9	4.3	0	30.6	65
25/03/2023 19:10	3.1	34	12	4.6	0	30.7	66
25/03/2023 19:20	2.7	32	11	4	0	30.6	68
25/03/2023 19:30	3.2	33	10	4.2	0	30.4	69
25/03/2023 19:40	3.3	41	7	4.1	0	30.2	69
25/03/2023 19:50	3.1	37	11	4.1	0	30.2	71
25/03/2023 20:00	2.6	41	10	3.9	0	30.2	72
25/03/2023 20:10	2.8	29	12	4.1	0	30.2	72
25/03/2023 20:20	3.2	42	9	4.3	0	30.2	73
25/03/2023 20:30	2.5	38	13	3.9	0	30	73
25/03/2023 20:40	2.7	32	9	3.8	0	29.9	73
25/03/2023 20:50	3.2	36	9	4.4	0	29.9	72
25/03/2023 21:00	2.9	36	12	4.2	0	30.1	71
25/03/2023 21:10	2.7	48	8	3.6	0	30.1	72
25/03/2023 21:20	2.6	40	9	3.9	0	29.9	72
25/03/2023 21:30	3.1	48	8	4.1	0	30	72
25/03/2023 21:40	3.4	45	8	4.5	0	29.9	73
25/03/2023 21:50	3.2	36	10	4.3	0	29.9	73
25/03/2023 22:00	2.9	28	10	4.2	0	29.8	73
25/03/2023 22:10	1.9	42	12	2.9	0	29.8	73
25/03/2023 22:20	1.5	65	12	2.3	0	29.8	73
25/03/2023 22:30	1.8	54	12	2.9	0	29.7	73
25/03/2023 22:40	2.1	45	14	3.4	0	29.7	73
25/03/2023 22:50	2.3	29	12	3.7	0	29.7	72
25/03/2023 23:00	1.9	40	16	3.1	0	29.6	71
25/03/2023 23:10	1.9	40	17	3.2	0	29.6	71
25/03/2023 23:20	1.5	48	18	2.3	0	29.6	70
25/03/2023 23:30	1.6	35	14	2.5	0	29.6	70
25/03/2023 23:40	1.6	36	17	2.7	0	29.6	69
25/03/2023 23:50	0.5	48	22	1.1	0	29.5	69
26/03/2023 00:00	0.7	43	18	1.4	0	29.5	68
26/03/2023 00:10	0.9	23	13	1.6	0	29.5	68
26/03/2023 00:20	0.7	189	25	1.3	0	29.5	68



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/03/2023 00:30	0.7	44	21	1.2	0	29.6	68
26/03/2023 00:40	1.2	55	8	1.6	0	29.6	67
26/03/2023 00:50	0.9	195	22	1.4	0	29.6	67
26/03/2023 01:00	1.2	298	17	1.9	0.3	29.4	67
26/03/2023 01:10	2.9	257	12	4.3	0	28.7	64
26/03/2023 01:20	4	242	9	5.8	0	28.2	60
26/03/2023 01:30	3.2	227	7	4.3	0	27.9	58
26/03/2023 01:40	2.3	207	10	3.3	0	28	58
26/03/2023 01:50	1.1	248	33	1.8	0	27.9	56
26/03/2023 02:00	0.6	204	50	0.9	0	27.7	59
26/03/2023 02:10	0.4	254	55	0.9	0.1	28.4	64
26/03/2023 02:20	2.9	281	10	4	0.1	28.3	65
26/03/2023 02:30	2.6	287	7	3.5	0.5	27.5	61
26/03/2023 02:40	1.3	223	27	1.8	0.4	27.6	60
26/03/2023 02:50	2.1	311	7	3.5	0.5	27.6	61
26/03/2023 03:00	2.7	278	17	3.6	1.4	27	62
26/03/2023 03:10	1.3	264	16	1.8	0.1	27.2	58
26/03/2023 03:20	1.2	347	9	1.6	0	27.4	56
26/03/2023 03:30	0.7	253	41	1.4	0	27.7	53
26/03/2023 03:40	1.7	127	14	2.2	0	27.5	53
26/03/2023 03:50	0.6	146	43	1.5	0	27.4	52
26/03/2023 04:00	1.2	132	17	1.8	0.1	27.7	50
26/03/2023 04:10	1.2	136	23	1.8	0	27.5	51
26/03/2023 04:20	1.6	176	21	2.3	0.2	27.5	53
26/03/2023 04:30	2.2	216	26	3.6	0.7	27.4	51
26/03/2023 04:40	3.8	206	8	5	0.5	27	48
26/03/2023 04:50	3.1	141	20	5	0.9	26.9	43
26/03/2023 05:00	3.7	45	23	6.1	5.9	26.3	38
26/03/2023 05:10	1.8	256	39	2.7	2.7	26	33
26/03/2023 05:20	2.5	144	19	4.1	4	24.7	31
26/03/2023 05:30	2.4	169	18	3.4	1.1	24.7	28
26/03/2023 05:40	1.6	96	35	2.7	0.2	24.7	26
26/03/2023 05:50	1.2	282	56	2.2	0	24.6	24
26/03/2023 06:00	1.2	123	41	1.8	0	24.9	23
26/03/2023 06:10	1.1	61	10	1.6	0	25	22
26/03/2023 06:20	1.2	56	11	1.6	0	25.2	22
26/03/2023 06:30	1.7	134	20	3	0	25.6	21
26/03/2023 06:40	1	117	30	2	0	26.1	21
26/03/2023 06:50	0.7	146	70	1.6	0	26	22
26/03/2023 07:00	1.5	173	31	2.7	0	25.9	23
26/03/2023 07:10	1.1	173	24	1.8	0	26.3	25
26/03/2023 07:20	1.1	173	20	1.7	0	26.9	28
26/03/2023 07:30	1.5	129	13	2.1	0	27.6	30
26/03/2023 07:40	1.7	138	11	2.3	0	27.8	32
26/03/2023 07:50	1.7	142	15	2.6	0	28	33
26/03/2023 08:00	1.8	134	15	2.9	0	28.1	34
26/03/2023 08:10	1.5	133	20	2.3	0	28	34
26/03/2023 08:20	1.3	152	21	1.9	0	28.1	33



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/03/2023 08:30	1.6	175	23	2.5	0	28.2	33
26/03/2023 08:40	1.6	142	17	2.3	0	28.4	33
26/03/2023 08:50	1.7	116	22	2.6	0	28.5	36
26/03/2023 09:00	1.9	131	17	2.9	0	28.7	40
26/03/2023 09:10	1.7	129	18	2.8	0	28.8	45
26/03/2023 09:20	2.5	103	16	3.5	0	28.7	50
26/03/2023 09:30	2.3	100	13	3.2	0	28.7	54
26/03/2023 09:40	2.3	100	12	3.2	0	28.8	57
26/03/2023 09:50	2	111	15	3	0	29	61
26/03/2023 10:00	2.4	107	11	3.6	0	29	64
26/03/2023 10:10	2.4	95	17	3.3	0	29.3	65
26/03/2023 10:20	2	102	12	2.7	0	29.4	66
26/03/2023 10:30	2.2	79	19	3.1	0	29.6	67
26/03/2023 10:40	2.6	40	10	3.4	0	29.4	67
26/03/2023 10:50	2.2	19	10	3.2	0	29.2	65
26/03/2023 11:00	2.9	8	8	3.8	0	29	65
26/03/2023 11:10	2	180	11	2.9	0	29	66
26/03/2023 11:20	2.5	11	9	3.1	0	29.1	66
26/03/2023 11:30	2.3	25	8	2.9	0	29.3	67
26/03/2023 11:40	1.9	37	14	3	0	29.6	69
26/03/2023 11:50	2.1	51	15	3.3	0	30	69
26/03/2023 12:00	1.6	60	24	2.9	0	30.9	69
26/03/2023 12:10	1.3	107	43	2.9	0	32.2	66
26/03/2023 12:20	1.8	38	26	2.8	0	31.3	68
26/03/2023 12:30	2.4	52	13	3.8	0	31.2	68
26/03/2023 12:40	2.1	29	21	3.1	0	30.9	69
26/03/2023 12:50	2.5	40	15	4	0	31.1	69
26/03/2023 13:00	3	50	13	4.5	0	31.6	68
26/03/2023 13:10	2.3	94	61	4	0	32	68
26/03/2023 13:20	3.1	51	31	5.4	0	32	67
26/03/2023 13:30	3.5	62	14	5.4	0	31.9	68
26/03/2023 13:40	3.5	49	19	5	0	32	68
26/03/2023 13:50	3.6	47	24	5.3	0	32.1	66
26/03/2023 14:00	3.4	28	22	5.1	0	32.2	65
26/03/2023 14:10	3.3	34	27	5.7	0	31.9	65
26/03/2023 14:20	3.4	13	9	4.9	0	31.8	64
26/03/2023 14:30	3.6	181	13	5.2	0	32	64
26/03/2023 14:40	3.8	16	10	5.6	0	31.6	66
26/03/2023 14:50	3.8	178	14	5.2	0	31.7	66
26/03/2023 15:00	3.7	358	11	5.3	0	31.5	68
26/03/2023 15:10	3.8	6	11	5	0	31.6	68
26/03/2023 15:20	3.5	12	13	4.9	0	31.5	68
26/03/2023 15:30	3.8	186	12	5	0	31.2	68
26/03/2023 15:40	4.2	353	12	5.8	0	31.5	67
26/03/2023 15:50	4.1	358	9	5.3	0	31.7	66
26/03/2023 16:00	4.2	181	8	5.3	0	31.5	66
26/03/2023 16:10	4.2	355	12	6.1	0	31.2	67
26/03/2023 16:20	4.3	352	10	5.8	0	31	69





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/03/2023 16:30	4.4	177	8	6	0	30.5	71
26/03/2023 16:40	4.3	180	9	5.7	0	30.4	71
26/03/2023 16:50	3.9	353	9	5.6	0	30.3	71
26/03/2023 17:00	4.2	182	6	5.8	0	30.3	71
26/03/2023 17:10	4	358	7	5.2	0	30.1	71
26/03/2023 17:20	3.8	354	9	4.9	0	30.1	71
26/03/2023 17:30	3.6	347	11	5.2	0	30	71
26/03/2023 17:40	3.6	342	11	4.4	0	29.9	70
26/03/2023 17:50	3.5	351	10	4.7	0	29.8	70
26/03/2023 18:00	3.2	347	9	4.3	0	29.8	70
26/03/2023 18:10	3.4	347	9	4.5	0	29.7	69
26/03/2023 18:20	3.9	352	8	5	0	29.5	68
26/03/2023 18:30	3.6	171	9	5	0	29.5	69
26/03/2023 18:40	3.4	355	9	4.7	0	29.5	69
26/03/2023 18:50	3.1	352	9	4.2	0	29.5	69
26/03/2023 19:00	3.3	356	7	4.4	0	29.5	69
26/03/2023 19:10	3	354	9	3.9	0	29.5	69
26/03/2023 19:20	2.9	342	13	4.1	0	29.4	69
26/03/2023 19:30	2.8	342	10	3.7	0	29.5	69
26/03/2023 19:40	2.5	328	11	3.7	0	29.4	68
26/03/2023 19:50	1.7	323	16	2.8	0	29.4	69
26/03/2023 20:00	0.3	159	58	1	0	29.4	69
26/03/2023 20:10	1.3	356	15	2.3	0	29.3	68
26/03/2023 20:20	1.4	333	17	2.8	0	29.3	68
26/03/2023 20:30	2.1	172	13	3	0	29.3	68
26/03/2023 20:40	2	13	15	3	0	29.3	68
26/03/2023 20:50	1.6	30	12	2.5	0	29.3	67
26/03/2023 21:00	2.5	13	11	3.5	0	29.3	67
26/03/2023 21:10	1.3	344	9	2.1	0	29.3	66
26/03/2023 21:20	1.6	341	12	2.5	0	29.2	66
26/03/2023 21:30	1.9	352	11	2.7	0	29.2	65
26/03/2023 21:40	2.2	183	11	3.1	0	29.2	65
26/03/2023 21:50	1.9	355	11	3	0	29.2	65
26/03/2023 22:00	2.8	353	10	3.9	0	29.1	65
26/03/2023 22:10	1.7	353	12	2.9	0	29.1	65
26/03/2023 22:20	1.6	349	13	2.7	0	29	64
26/03/2023 22:30	2.2	347	13	3.5	0	29	65
26/03/2023 22:40	2.3	338	10	3.7	0	29.1	64
26/03/2023 22:50	2.5	338	11	3.6	0	29	64
26/03/2023 23:00	2.2	332	13	3.3	0	29.1	64
26/03/2023 23:10	2.3	332	10	3.7	0	29.1	64
26/03/2023 23:20	2.2	320	14	3.5	0	29	64
26/03/2023 23:30	2.1	329	12	3.7	0	29	65
26/03/2023 23:40	2.5	336	9	3.4	0	29	65
26/03/2023 23:50	2.9	332	8	4.1	0	29	65
27/03/2023 00:00	2.2	321	10	3.3	0	29	66
27/03/2023 00:10	1.8	295	13	2.8	0	28.9	66
27/03/2023 00:20	1.9	296	11	2.8	0	28.9	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/03/2023 00:30	1.6	285	12	2.3	0	28.9	66
27/03/2023 00:40	2	284	7	2.7	0	29	66
27/03/2023 00:50	1.5	302	11	2.2	0	28.9	66
27/03/2023 01:00	1	302	16	1.6	0	28.9	66
27/03/2023 01:10	1	315	10	1.5	0	28.9	66
27/03/2023 01:20	0.9	314	14	1.7	0	28.8	65
27/03/2023 01:30	0.7	322	15	1.1	0	28.7	65
27/03/2023 01:40	0.8	320	13	1.2	0	28.7	64
27/03/2023 01:50	1.4	305	8	1.9	0	28.7	64
27/03/2023 02:00	1.4	301	10	2	0	28.6	63
27/03/2023 02:10	1.8	295	8	2.5	0	28.7	63
27/03/2023 02:20	1.5	304	10	2.1	0	28.7	61
27/03/2023 02:30	1.1	295	11	1.6	0	28.7	60
27/03/2023 02:40	1.1	287	9	1.8	0	28.7	60
27/03/2023 02:50	1.9	279	12	2.7	0	28.5	59
27/03/2023 03:00	2.1	274	8	3.1	0	28.6	60
27/03/2023 03:10	2.2	275	7	3	0	28.6	61
27/03/2023 03:20	2	283	9	2.8	0	28.5	62
27/03/2023 03:30	2	274	9	2.7	0	28.5	63
27/03/2023 03:40	1.5	297	15	2.5	0	28.6	64
27/03/2023 03:50	1.4	269	12	1.9	0	28.7	64
27/03/2023 04:00	1.4	228	22	2.1	0	28.7	64
27/03/2023 04:10	0.9	180	60	1.4	0	28.5	61
27/03/2023 04:20	1.2	130	15	1.9	0	28.5	61
27/03/2023 04:30	1.1	179	17	1.6	0	28.6	61
27/03/2023 04:40	1	215	12	1.6	0	28.6	60
27/03/2023 04:50	0.6	284	35	1.2	0	28.5	57
27/03/2023 05:00	0.9	66	34	1.4	0	28.4	56
27/03/2023 05:10	1.1	68	14	1.4	0	28.4	56
27/03/2023 05:20	0.9	95	17	1.5	0	28.5	57
27/03/2023 05:30	1	188	39	1.4	0	28.5	57
27/03/2023 05:40	1.3	188	12	1.6	0	28.5	58
27/03/2023 05:50	0.7	180	18	1.2	0	28.4	58
27/03/2023 06:00	1.2	174	11	1.8	0	28.5	58
27/03/2023 06:10	0.5	138	27	0.9	0	28.4	57
27/03/2023 06:20	1	150	22	1.4	0	28.4	57
27/03/2023 06:30	1.6	177	12	2.1	0	28.3	56
27/03/2023 06:40	1.9	228	30	3.9	0	28.2	56
27/03/2023 06:50	2	212	15	2.7	0	28.1	59
27/03/2023 07:00	1.7	209	12	2.4	0	27.9	62
27/03/2023 07:10	0.7	136	49	1.4	0	27.8	65
27/03/2023 07:20	1.3	339	21	1.9	0.3	27.8	66
27/03/2023 07:30	1	259	46	1.8	0.3	27.8	67
27/03/2023 07:40	1.1	273	41	1.9	0.1	28	67
27/03/2023 07:50	2	46	14	2.7	0	27.6	64
27/03/2023 08:00	2.4	72	11	3.3	0.1	27.4	60
27/03/2023 08:10	1.7	42	7	2.1	0	27.4	56
27/03/2023 08:20	1.4	34	9	2.1	0.1	27.3	52



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/03/2023 08:30	1	65	11	1.5	0.2	27.3	47
27/03/2023 08:40	1.2	123	13	1.7	0.4	27.1	43
27/03/2023 08:50	0.7	103	58	1.2	0.1	27.2	39
27/03/2023 09:00	0.9	200	31	1.6	0.3	27.2	38
27/03/2023 09:10	1.3	324	16	1.9	0.1	27.5	38
27/03/2023 09:20	1.2	294	17	1.9	0	27.5	37
27/03/2023 09:30	0.6	238	22	1	0	27.7	38
27/03/2023 09:40	1	70	44	1.7	0	28	39
27/03/2023 09:50	0.9	187	41	1.5	0	28	40
27/03/2023 10:00	2.1	303	7	3	0	27.9	44
27/03/2023 10:10	2.5	305	10	3.6	0	28.2	50
27/03/2023 10:20	3.2	328	13	4.8	0	28.3	52
27/03/2023 10:30	3.7	331	8	5.2	0	28.2	53
27/03/2023 10:40	3.6	319	8	5.1	0	28.4	51
27/03/2023 10:50	5.1	314	7	6.9	0	28.1	54
27/03/2023 11:00	4.5	300	9	6.4	0	28.1	58
27/03/2023 11:10	4.9	291	8	7	0	28.1	58
27/03/2023 11:20	4.5	288	8	6.2	0	28	60
27/03/2023 11:30	4.6	285	8	6.2	0	28	63
27/03/2023 11:40	5	288	9	7.1	0	28.2	62
27/03/2023 11:50	3.5	293	9	5.1	0	28.3	60
27/03/2023 12:00	4	279	10	5.8	0	28.4	57
27/03/2023 12:10	4.2	274	10	5.5	0	28.5	55
27/03/2023 12:20	4.5	276	10	5.6	0	28.5	53
27/03/2023 12:30	3.9	273	9	5	0	28.6	51
27/03/2023 12:40	3.6	284	8	4.8	0	28.6	52
27/03/2023 12:50	3.7	277	13	4.9	0	28.6	54
27/03/2023 13:00	3.1	277	11	4.5	0	28.7	55
27/03/2023 13:10	2.7	268	16	3.7	0	28.6	57
27/03/2023 13:20	3.1	275	12	4.4	0	28.7	57
27/03/2023 13:30	3.4	270	10	4.2	0	28.6	57
27/03/2023 13:40	2.7	277	9	3.8	0	28.6	60
27/03/2023 13:50	3.2	286	10	4.6	0	28.8	62
27/03/2023 14:00	3.2	295	9	4.8	0	28.8	64
27/03/2023 14:10	2.9	301	13	4.7	0	29.1	67
27/03/2023 14:20	3.8	287	14	5	0	29.5	68
27/03/2023 14:30	4.8	275	11	6.3	0	29.1	67
27/03/2023 14:40	5	275	10	6.8	0	29	68
27/03/2023 14:50	4.8	262	8	6.2	0	28.8	68
27/03/2023 15:00	4.8	255	8	6.3	0	28.8	68
27/03/2023 15:10	5	264	8	6.7	0	28.8	68
27/03/2023 15:20	5.1	260	8	6.5	0	28.7	68
27/03/2023 15:30	5.1	253	9	6.9	0	28.7	68
27/03/2023 15:40	4.5	248	11	6.7	0	28.7	70
27/03/2023 15:50	4.6	265	6	5.8	0	28.7	71
27/03/2023 16:00	3.4	267	9	4.6	0	28.8	71
27/03/2023 16:10	3.2	255	13	4.3	0	28.8	71
27/03/2023 16:20	2.6	252	12	3.6	0	28.9	71



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/03/2023 16:30	2.2	251	21	3	0	29	71
27/03/2023 16:40	2	192	12	2.9	0	29.1	71
27/03/2023 16:50	2.3	195	10	3.1	0	29.1	72
27/03/2023 17:00	2.2	192	14	3.2	0	29	72
27/03/2023 17:10	1.8	195	12	2.7	0	28.9	71
27/03/2023 17:20	1.4	197	16	2.3	0	28.8	72
27/03/2023 17:30	1.6	184	13	2.1	0	28.9	72
27/03/2023 17:40	1.7	177	11	2.3	0	28.8	72
27/03/2023 17:50	1.5	168	18	2	0	28.9	72
27/03/2023 18:00	1.2	186	15	1.8	0	28.8	72
27/03/2023 18:10	1.2	174	8	1.7	0	28.6	72
27/03/2023 18:20	1.2	185	13	1.5	0	28.7	72
27/03/2023 18:30	1.3	121	16	2.1	0	28.7	72
27/03/2023 18:40	1	154	22	1.3	0	28.6	72
27/03/2023 18:50	1.1	259	21	1.5	0	28.5	72
27/03/2023 19:00	1.5	322	6	1.8	0	28.4	72
27/03/2023 19:10	1.3	320	8	1.6	0	28.2	72
27/03/2023 19:20	1.1	319	10	1.5	0	28.2	71
27/03/2023 19:30	0.6	304	21	0.9	0	28.1	70
27/03/2023 19:40	0.5	275	19	0.8	0	28	70
27/03/2023 19:50	1.1	180	14	1.5	0	28.1	69
27/03/2023 20:00	1.2	184	10	1.6	0	28	68
27/03/2023 20:10	0.6	191	48	1.3	0	28	70
27/03/2023 20:20	0.8	333	23	1.3	0	28	70
27/03/2023 20:30	0.8	299	13	1.1	0	27.9	70
27/03/2023 20:40	0.7	270	8	0.9	0	28.2	71
27/03/2023 20:50	0.4	163	54	0.6	0	28.2	71
27/03/2023 21:00	0.4	190	27	0.7	0	28	70
27/03/2023 21:10	1.2	165	16	1.6	0	28	69
27/03/2023 21:20	1.7	300	7	2.2	0	27.8	69
27/03/2023 21:30	1.9	300	6	2.3	0	27.9	69
27/03/2023 21:40	1.8	299	7	2.2	0	27.9	69
27/03/2023 21:50	2	282	6	2.4	0	28	70
27/03/2023 22:00	1.9	305	8	2.3	0	27.9	69
27/03/2023 22:10	1.7	313	11	2.2	0	27.9	69
27/03/2023 22:20	1.6	299	7	2	0	28.1	69
27/03/2023 22:30	1.4	273	11	1.8	0	28.2	69
27/03/2023 22:40	1.3	279	9	1.8	0	28	68
27/03/2023 22:50	2	296	8	2.7	0	28	66
27/03/2023 23:00	2.1	304	8	2.8	0	28.2	66
27/03/2023 23:10	1.8	300	8	2.3	0	28.3	67
27/03/2023 23:20	1.5	318	9	2	0	28.3	67
27/03/2023 23:30	1.1	327	11	1.5	0	28.2	67
27/03/2023 23:40	1	338	10	1.5	0	28.1	67
27/03/2023 23:50	1.1	188	9	1.5	0	27.9	65
28/03/2023 00:00	1.3	336	4	1.5	0	27.8	64
28/03/2023 00:10	1.5	316	8	2	0	27.9	64
28/03/2023 00:20	1.3	318	12	1.8	0	28.1	65



## Yara Pilbara Nitrates- Western Boundary 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/03/2023 00:30	1.1	313	10	1.7	0	28.2	66
28/03/2023 00:40	1.3	315	16	2	0	28.2	66
28/03/2023 00:50	1.3	310	19	2.1	0	28.1	66
28/03/2023 01:00	0.5	254	56	0.9	0	28.1	67
28/03/2023 01:10	0.4	147	42	0.7	0	27.9	66
28/03/2023 01:20	0.5	91	28	0.7	0	27.8	65
28/03/2023 01:30	0.5	171	22	0.7	0	27.7	64
28/03/2023 01:40	0.9	22	19	1.2	0	27.6	63
28/03/2023 01:50	0.6	21	22	1	0	27.4	60
28/03/2023 02:00	0.8	174	15	1.2	0	27.3	58
28/03/2023 02:10	0.9	314	14	1.3	0	27.6	60
28/03/2023 02:20	1.5	301	15	2.3	0	27.6	61
28/03/2023 02:30	2.7	316	5	3.7	0	27.8	62
28/03/2023 02:40	2.6	310	9	3.5	0	28	64
28/03/2023 02:50	2.5	302	9	3.8	0	28.1	65
28/03/2023 03:00	1.7	311	8	2.8	0	28.1	66
28/03/2023 03:10	1.7	312	10	2.7	0	28.1	66
28/03/2023 03:20	2	298	9	2.8	0	28.1	66
28/03/2023 03:30	2.1	296	6	2.8	0	28.1	66
28/03/2023 03:40	2	298	11	2.7	0	28.1	66
28/03/2023 03:50	1.8	298	13	2.6	0	28	66
28/03/2023 04:00	1.8	302	7	2.4	0	28	67
28/03/2023 04:10	2	296	5	2.4	0	28	67
28/03/2023 04:20	1.7	286	8	2.3	0	28	66
28/03/2023 04:30	0.9	160	34	1.3	0	27.9	65
28/03/2023 04:40	0.8	189	19	1.2	0	27.7	63
28/03/2023 04:50	1.5	310	11	2.2	0	27.7	61
28/03/2023 05:00	1.2	298	10	1.8	0	27.8	61
28/03/2023 05:10	1.2	309	16	1.9	0	28	63
28/03/2023 05:20	0.8	258	38	1.5	0	28	65
28/03/2023 05:30	0.4	196	37	0.7	0	27.8	63
28/03/2023 05:40	0.6	275	17	0.9	0	27.6	61
28/03/2023 05:50	1.1	284	14	1.8	0	27.4	59
28/03/2023 06:00	1.1	83	10	1.5	0	27.4	56
28/03/2023 06:10	0.4	203	70	0.8	0	27.2	52
28/03/2023 06:20	0.7	302	19	1	0	27.1	49
28/03/2023 06:30	0.8	237	21	1.1	0	27	47
28/03/2023 06:40	0.6	99	30	1.1	0	27	48
28/03/2023 06:50	1.1	112	20	1.8	0	27.2	49
28/03/2023 07:00	1.2	164	15	1.9	0	27.3	54
28/03/2023 07:10	1.2	183	13	1.7	0	27.6	59
28/03/2023 07:20	0.6	273	43	1.2	0	27.8	62
28/03/2023 07:30	1.2	189	38	2.5	0	27.9	65
28/03/2023 07:40	2	181	13	3	0	28	67
28/03/2023 07:50	2	183	14	3	0	28.2	68
28/03/2023 08:00	2.6	187	10	3.5	0	28.2	68
28/03/2023 08:10	2.8	193	9	3.8	0	28.1	68
28/03/2023 08:20	2.6	186	10	3.8	0	28.1	69



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/03/2023 08:30	2.7	191	9	4.1	0	28.1	69
28/03/2023 08:40	2.7	187	10	3.7	0	28.2	69
28/03/2023 08:50	2.6	175	10	3.6	0	28.3	69
28/03/2023 09:00	2.9	172	7	4	0	28.3	69
28/03/2023 09:10	2.9	176	11	4.1	0	28.5	69
28/03/2023 09:20	2.6	182	12	3.9	0	28.6	70
28/03/2023 09:30	2.6	181	10	3.7	0	28.8	71
28/03/2023 09:40	2.4	185	13	3.3	0	28.9	71
28/03/2023 09:50	2.6	171	11	3.8	0	29	72
28/03/2023 10:00	2.1	169	15	3.2	0	29.2	72
28/03/2023 10:10	1.7	155	20	2.9	0	29.3	72
28/03/2023 10:20	1.9	165	13	2.7	0	29.3	72
28/03/2023 10:30	1.9	157	19	3	0	29.3	72
28/03/2023 10:40	1.7	143	19	2.6	0	29.7	72
28/03/2023 10:50	1.8	110	19	2.8	0	29.8	71
28/03/2023 11:00	1.8	117	16	2.7	0	29.8	71
28/03/2023 11:10	1.6	116	17	2.7	0	30	71
28/03/2023 11:20	1.3	118	23	2.1	0	30.3	71
28/03/2023 11:30	1.5	94	23	2	0	30.1	71
28/03/2023 11:40	1.1	180	30	1.7	0	30.1	71
28/03/2023 11:50	0.9	108	45	1.8	0	30.4	71
28/03/2023 12:00	1.3	149	39	2.5	0	30.6	70
28/03/2023 12:10	0.8	121	65	1.7	0	30.7	70
28/03/2023 12:20	0.8	327	53	1.6	0	30.8	69
28/03/2023 12:30	1.4	89	46	2.6	0	30.7	69
28/03/2023 12:40	0.8	101	33	1.5	0	30.6	69
28/03/2023 12:50	1.3	113	27	2.1	0	30.7	69
28/03/2023 13:00	1	162	63	1.8	0	30.6	70
28/03/2023 13:10	1.5	243	23	2.2	0	30.1	71
28/03/2023 13:20	2.1	280	14	2.9	0	30	71
28/03/2023 13:30	1.7	307	17	2.6	0	29.8	71
28/03/2023 13:40	1.6	326	15	2.4	0	29.8	71
28/03/2023 13:50	1.7	275	7	2.2	0	29.7	72
28/03/2023 14:00	1.9	292	9	2.6	0	29.6	72
28/03/2023 14:10	1.6	305	12	2.5	0	29.6	72
28/03/2023 14:20	1.5	282	9	2	0	29.5	72
28/03/2023 14:30	1.8	285	11	2.7	0	29.5	72
28/03/2023 14:40	1.5	284	16	2.2	0	29.6	73
28/03/2023 14:50	1.4	296	15	2.1	0	29.7	73
28/03/2023 15:00	1.3	332	14	1.9	0	29.7	72
28/03/2023 15:10	1.4	347	17	2	0	29.7	72
28/03/2023 15:20	0.8	13	27	1.2	0	29.8	72
28/03/2023 15:30	0.6	340	28	1	0	29.9	72
28/03/2023 15:40	1.8	274	11	2.6	0	29.9	72
28/03/2023 15:50	2.2	295	10	2.9	0	29.7	72
28/03/2023 16:00	2.3	275	10	2.9	0	29.6	73
28/03/2023 16:10	2.3	286	10	3.1	0	29.5	73
28/03/2023 16:20	1.7	280	14	2.5	0	29.6	73



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/03/2023 16:30	2.4	266	12	3	0	29.4	73
28/03/2023 16:40	2.4	275	6	3	0	29.3	73
28/03/2023 16:50	2.4	279	9	3.4	0	29.3	73
28/03/2023 17:00	2.6	265	7	3.5	0	29.2	73
28/03/2023 17:10	2.8	269	6	3.6	0	29.1	73
28/03/2023 17:20	3	266	8	4.1	0	29	73
28/03/2023 17:30	3.9	266	6	5	0	28.9	73
28/03/2023 17:40	3.7	267	6	4.8	0	29	73
28/03/2023 17:50	3.8	273	7	5	0	29	72
28/03/2023 18:00	4.2	267	8	5.6	0	29	72
28/03/2023 18:10	5	263	6	6.7	0	28.8	73
28/03/2023 18:20	5.1	259	6	6.5	0	28.5	73
28/03/2023 18:30	4.5	257	6	5.6	0	28.3	70
28/03/2023 18:40	4.8	253	6	6.2	0	28.1	63
28/03/2023 18:50	4.5	255	6	6.1	0	27.8	57
28/03/2023 19:00	3.6	240	9	5.1	0	27.8	51
28/03/2023 19:10	3.9	254	10	5.6	0	27.7	48
28/03/2023 19:20	3.5	252	12	5.3	0	27.4	45
28/03/2023 19:30	3	256	10	5	0	27.3	42
28/03/2023 19:40	2.2	275	13	3.5	0	27.3	41
28/03/2023 19:50	2.4	290	6	2.9	0	27.3	40
28/03/2023 20:00	2.6	288	6	3.3	0	27.3	39
28/03/2023 20:10	2.2	311	6	2.8	0.1	27.3	38
28/03/2023 20:20	2.1	291	12	2.7	0.1	27.2	37
28/03/2023 20:30	1.4	223	18	1.8	0.2	27.4	37
28/03/2023 20:40	1.1	84	15	1.6	0	27.3	36
28/03/2023 20:50	1.5	78	4	1.7	0	27.2	34
28/03/2023 21:00	1.5	88	7	2	0.1	27.1	32
28/03/2023 21:10	2.2	84	8	3	0	26.8	32
28/03/2023 21:20	3	94	6	3.6	0.1	26.2	35
28/03/2023 21:30	2.1	106	14	4.4	0	26.2	39
28/03/2023 21:40	0.8	181	35	1.5	0	26.3	44
28/03/2023 21:50	0.6	168	24	1	0	26.4	47
28/03/2023 22:00	1.6	40	14	2	0	26.7	48
28/03/2023 22:10	2.1	68	6	2.8	0	26.6	46
28/03/2023 22:20	1.3	78	9	1.8	0	26.4	43
28/03/2023 22:30	1.6	59	10	2	0	26.4	41
28/03/2023 22:40	1.6	24	11	2.2	0	26.3	43
28/03/2023 22:50	1.3	41	14	2	0	26.5	48
28/03/2023 23:00	1.4	92	11	2	0	26.8	51
28/03/2023 23:10	1.6	103	14	2.4	0	26.9	52
28/03/2023 23:20	1.4	106	21	2.1	0	27	51
28/03/2023 23:30	1.5	108	12	2	0	26.9	50
28/03/2023 23:40	0.9	109	17	1.7	0.1	26.8	52
28/03/2023 23:50	1.1	162	28	1.7	0	26.8	54
29/03/2023 00:00	1.2	195	12	1.7	0	26.9	55
29/03/2023 00:10	0.9	311	20	1.3	0	26.8	53
29/03/2023 00:20	0.8	188	16	1.1	0	26.7	50



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/03/2023 00:30	0.6	44	7	0.8	0	26.7	48
29/03/2023 00:40	0.4	45	7	0.5	0	26.6	48
29/03/2023 00:50	0.6	51	10	0.8	0	26.6	49
29/03/2023 01:00	0.5	112	27	0.8	0	26.7	50
29/03/2023 01:10	0.5	175	19	0.9	0	26.8	49
29/03/2023 01:20	0.4	36	21	0.5	0	26.6	48
29/03/2023 01:30	0.6	20	14	0.8	0	26.8	47
29/03/2023 01:40	0.7	46	19	1	0	26.6	48
29/03/2023 01:50	0.9	136	28	1.2	0	26.8	51
29/03/2023 02:00	0.8	106	24	1.3	0	26.6	53
29/03/2023 02:10	0.7	79	14	1	0	26.7	55
29/03/2023 02:20	1	144	26	1.5	0	26.8	57
29/03/2023 02:30	0.6	161	31	1.2	0	26.7	58
29/03/2023 02:40	0.9	40	22	1.3	0	26.7	57
29/03/2023 02:50	1.2	83	10	1.5	0	26.7	56
29/03/2023 03:00	1.3	70	12	1.8	0	26.8	57
29/03/2023 03:10	1.4	54	11	2	0	26.7	60
29/03/2023 03:20	1.2	68	18	1.8	0	26.7	63
29/03/2023 03:30	1.2	93	13	2	0	26.9	64
29/03/2023 03:40	1.5	80	17	2.3	0	26.9	63
29/03/2023 03:50	1.6	62	10	2.4	0	26.8	64
29/03/2023 04:00	1.4	72	9	2	0	26.8	64
29/03/2023 04:10	1.1	57	12	1.4	0	26.7	65
29/03/2023 04:20	1.3	38	9	1.8	0	26.7	65
29/03/2023 04:30	1.4	57	7	1.8	0	26.8	66
29/03/2023 04:40	1	67	10	1.5	0	26.9	66
29/03/2023 04:50	1.2	72	9	1.8	0	26.9	65
29/03/2023 05:00	2.4	79	8	3.2	0	27	65
29/03/2023 05:10	2.1	80	11	3.1	0	27.3	67
29/03/2023 05:20	1.9	86	10	2.9	0	27.5	68
29/03/2023 05:30	2.1	73	7	2.8	0	27.5	68
29/03/2023 05:40	2.3	76	7	3	0	27.5	67
29/03/2023 05:50	2.3	83	8	3.2	0	27.6	67
29/03/2023 06:00	2.3	89	8	3.3	0	27.7	66
29/03/2023 06:10	2.2	84	8	3.4	0	27.6	65
29/03/2023 06:20	2.5	86	9	4	0	27.8	64
29/03/2023 06:30	2.9	82	9	4.4	0	28	64
29/03/2023 06:40	2.5	84	8	4	0	28.1	65
29/03/2023 06:50	2.7	82	8	3.8	0	28.2	65
29/03/2023 07:00	2.8	77	7	3.9	0	28.3	66
29/03/2023 07:10	2.4	82	10	3.4	0	28.5	66
29/03/2023 07:20	3.9	75	8	5.1	0	28.6	67
29/03/2023 07:30	3.8	79	8	5.5	0	28.9	69
29/03/2023 07:40	4.1	75	6	5.5	0	29	70
29/03/2023 07:50	3.9	91	8	5.4	0	29.2	70
29/03/2023 08:00	4.5	91	8	5.7	0	29.1	69
29/03/2023 08:10	4.5	90	9	6.4	0	29.2	70
29/03/2023 08:20	4.3	93	9	5.9	0	29.2	70





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/03/2023 08:30	4.3	108	9	6.2	0	28.9	71
29/03/2023 08:40	4	107	9	5.6	0	28.7	71
29/03/2023 08:50	3.8	101	11	5.4	0	28.8	71
29/03/2023 09:00	4	105	12	5.3	0	28.7	72
29/03/2023 09:10	4.2	102	11	6.2	0	28.8	72
29/03/2023 09:20	3.4	102	12	5.1	0	28.9	72
29/03/2023 09:30	3.4	92	9	5.2	0	29	72
29/03/2023 09:40	3.7	93	8	5.3	0	29.2	73
29/03/2023 09:50	3.7	96	10	4.8	0	29.4	73
29/03/2023 10:00	3.7	96	8	5.2	0	29.5	73
29/03/2023 10:10	4.1	96	11	6	0.1	29.1	72
29/03/2023 10:20	2.6	157	35	4.6	1	27.8	64
29/03/2023 10:30	2	237	23	3.1	0	27.1	57
29/03/2023 10:40	3.8	189	11	6	0	26.9	59
29/03/2023 10:50	2.6	182	18	4	0	26.7	68
29/03/2023 11:00	1.8	119	27	3	0	27.3	68
29/03/2023 11:10	1.7	88	28	2.4	0	27.7	67
29/03/2023 11:20	2.1	158	25	3.3	0	27.8	66
29/03/2023 11:30	1.9	185	15	3	0	27.8	65
29/03/2023 11:40	1.1	141	29	1.8	0.2	27.9	63
29/03/2023 11:50	1.6	145	29	2.7	0.1	27.9	62
29/03/2023 12:00	0.7	194	41	1.5	0	27.9	64
29/03/2023 12:10	0.7	118	46	1.5	0	29.1	66
29/03/2023 12:20	1.7	118	20	3.1	0	30	68
29/03/2023 12:30	2.4	111	16	3.8	0	30.4	70
29/03/2023 12:40	2.6	129	18	4.1	0	30.5	71
29/03/2023 12:50	3.4	94	14	5	0	30.2	71
29/03/2023 13:00	3.5	72	13	4.9	0	30.2	71
29/03/2023 13:10	3.1	91	19	5.3	0	30.1	70
29/03/2023 13:20	4.1	61	8	5.5	0.1	29.6	71
29/03/2023 13:30	4.1	64	7	5.5	0.3	29.5	68
29/03/2023 13:40	2.9	60	12	4.2	0.1	28.9	62
29/03/2023 13:50	2.9	16	13	3.8	0	28.9	57
29/03/2023 14:00	2.1	350	18	3.5	0	28.9	56
29/03/2023 14:10	1.9	323	20	3.1	0	28.7	55
29/03/2023 14:20	3.7	263	8	5.5	0.1	28.4	54
29/03/2023 14:30	3.2	236	19	5.1	0	27.6	50
29/03/2023 14:40	2.4	212	12	3.9	0	27.6	53
29/03/2023 14:50	1.6	249	21	2.6	0	28	54
29/03/2023 15:00	1.2	66	43	2.1	0	28.7	58
29/03/2023 15:10	2	31	9	3	0	29.4	62
29/03/2023 15:20	3.1	62	13	4.7	0	29.7	65
29/03/2023 15:30	2.3	75	13	3	0	29.4	66
29/03/2023 15:40	2.2	71	15	3.2	0	29.3	67
29/03/2023 15:50	2.9	55	7	4.2	0	29.4	69
29/03/2023 16:00	3.9	45	8	5.5	0	29.4	70
29/03/2023 16:10	4.1	43	9	5.8	0	29.4	69
29/03/2023 16:20	4.1	45	9	5.9	0	29.4	70



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/03/2023 16:30	5.2	25	10	7.7	0	29.7	70
29/03/2023 16:40	5.7	27	11	8.6	0	29.6	69
29/03/2023 16:50	5.7	24	8	7.9	0	29.2	65
29/03/2023 17:00	5.3	22	8	7.1	0	28.9	66
29/03/2023 17:10	4.5	31	8	6.1	0	28.9	68
29/03/2023 17:20	4.3	25	9	6.1	0	28.9	68
29/03/2023 17:30	4.5	27	10	6.6	0	28.9	67
29/03/2023 17:40	4	28	10	5.5	0	28.7	65
29/03/2023 17:50	3.3	27	10	4.9	0	28.7	63
29/03/2023 18:00	3.9	21	10	5.5	0	28.6	60
29/03/2023 18:10	4.6	22	8	5.7	0	28.5	57
29/03/2023 18:20	4.5	20	8	6.6	0	28.4	56
29/03/2023 18:30	4.1	26	10	5.7	0	28.5	53
29/03/2023 18:40	3.7	27	9	5.3	0	28.3	49
29/03/2023 18:50	3.9	23	9	5.7	0	28.3	47
29/03/2023 19:00	3.2	37	10	4.9	0	28.2	47
29/03/2023 19:10	2.6	46	8	3.8	0	28.2	49
29/03/2023 19:20	2.6	46	7	4.1	0	28.2	53
29/03/2023 19:30	2.5	43	8	4	0	28.2	55
29/03/2023 19:40	3	37	9	4.6	0	28.2	58
29/03/2023 19:50	3.1	36	9	4.2	0	28.3	59
29/03/2023 20:00	3.1	36	9	4.8	0	28.4	60
29/03/2023 20:10	2.7	40	10	4.7	0	28.3	61
29/03/2023 20:20	1.9	29	10	2.8	0	28.3	62
29/03/2023 20:30	2.2	21	10	3.1	0	28.2	62
29/03/2023 20:40	2.8	32	10	4.7	0	28.2	62
29/03/2023 20:50	2.4	33	9	3.7	0	28.2	63
29/03/2023 21:00	2.1	30	11	3.2	0	28.1	63
29/03/2023 21:10	2.8	48	7	4	0	28.1	62
29/03/2023 21:20	3.4	50	6	4.6	0	28.1	61
29/03/2023 21:30	3.5	49	6	4.9	0	28.1	62
29/03/2023 21:40	2.9	46	6	4.2	0	28	62
29/03/2023 21:50	2.6	48	4	3.5	0	28	61
29/03/2023 22:00	2.4	51	5	3.1	0	27.9	59
29/03/2023 22:10	2.7	54	5	3.6	0	27.8	57
29/03/2023 22:20	2.8	47	6	3.7	0	27.9	55
29/03/2023 22:30	3.5	43	7	5	0	28	56
29/03/2023 22:40	3.4	46	8	5.4	0	28.1	57
29/03/2023 22:50	3.4	46	6	4.5	0	28.2	58
29/03/2023 23:00	3.4	46	7	4.9	0	28.2	58
29/03/2023 23:10	3.5	48	6	4.7	0	28.2	56
29/03/2023 23:20	3.9	44	7	5.6	0	28.2	56
29/03/2023 23:30	3.5	40	8	5.3	0	28.3	56
29/03/2023 23:40	3.2	39	9	5	0	28.3	56
29/03/2023 23:50	3.3	41	9	4.8	0	28.3	56
30/03/2023 00:00	3.7	41	8	5.6	0	28.4	56
30/03/2023 00:10	4.6	40	8	6.4	0	28.4	57
30/03/2023 00:20	4.1	43	8	5.8	0	28.4	58



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/03/2023 00:30	4	38	9	6	0	28.4	59
30/03/2023 00:40	4.1	42	8	6	0	28.4	58
30/03/2023 00:50	4.5	39	8	6.3	0	28.4	57
30/03/2023 01:00	4	42	10	5.7	0	28.5	56
30/03/2023 01:10	4	40	9	5.9	0	28.5	55
30/03/2023 01:20	4.1	45	7	6.2	0	28.5	55
30/03/2023 01:30	4	46	8	6.3	0	28.4	53
30/03/2023 01:40	5.4	33	9	8	0	28.1	54
30/03/2023 01:50	5	43	8	7.5	0	27.5	58
30/03/2023 02:00	4.4	54	7	6	0	27.2	60
30/03/2023 02:10	3.9	46	8	6.8	0	27.3	60
30/03/2023 02:20	2.8	198	21	4.5	0	27.6	60
30/03/2023 02:30	1.5	7	15	2.5	0	27.8	59
30/03/2023 02:40	1.1	181	17	1.7	0	27.7	59
30/03/2023 02:50	3.1	20	15	6.5	0	28.2	57
30/03/2023 03:00	4.4	185	11	6.4	0	28.5	60
30/03/2023 03:10	3.3	179	12	5.3	0	28.6	63
30/03/2023 03:20	3.9	355	9	6.2	0	28.7	64
30/03/2023 03:30	4.1	353	11	5.7	0	28.8	65
30/03/2023 03:40	4.3	345	12	6.9	0	28.9	68
30/03/2023 03:50	4.1	344	12	6.3	0	29	69
30/03/2023 04:00	5	343	12	7.5	0	29	70
30/03/2023 04:10	4.4	334	12	6.7	0	29.1	71
30/03/2023 04:20	4.7	347	10	7.1	0	29.1	71
30/03/2023 04:30	3.6	181	14	5.5	0	29	71
30/03/2023 04:40	3.2	178	13	5.2	0	29	70
30/03/2023 04:50	3.7	178	15	5.7	0	28.9	70
30/03/2023 05:00	4.6	343	12	6.9	0	29.1	72
30/03/2023 05:10	4.2	343	11	6.6	0	29.2	73
30/03/2023 05:20	3.5	2	11	5.9	0	29.1	72
30/03/2023 05:30	3.3	190	16	5.5	0	28.9	71
30/03/2023 05:40	5.1	350	13	8.7	0	29	71
30/03/2023 05:50	5	345	12	7.5	0	29.1	72
30/03/2023 06:00	4.6	345	11	6.9	0	29.1	72
30/03/2023 06:10	4.3	333	11	7.4	0	29.1	72
30/03/2023 06:20	4.9	334	12	7.3	0	29.1	72
30/03/2023 06:30	4.9	336	10	7.5	0	29.2	73
30/03/2023 06:40	4	327	12	6.5	0	29.1	73
30/03/2023 06:50	6.4	322	14	8.7	0	28.8	73
30/03/2023 07:00	6.6	312	9	9.7	0	27.6	71
30/03/2023 07:10	6.7	309	10	9.5	0	26.6	67
30/03/2023 07:20	4.2	307	12	6.6	0	26.4	68
30/03/2023 07:30	2.9	325	12	4	0	27	70
30/03/2023 07:40	2.3	326	12	4.1	0	27.5	70
30/03/2023 07:50	2.3	320	11	3.7	0	28	69
30/03/2023 08:00	3.2	311	11	5	0.3	28	65
30/03/2023 08:10	2.7	309	10	4.3	0.1	27.8	58
30/03/2023 08:20	2	315	14	3.3	0	27.9	55



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/03/2023 08:30	1.4	299	17	2.2	0	28.3	54
30/03/2023 08:40	1.5	304	19	2.3	0	28.7	55
30/03/2023 08:50	5.1	29	18	9.3	1.6	27.1	54
30/03/2023 09:00	2	347	30	5.1	0	26.5	43
30/03/2023 09:10	4.7	316	11	7.8	0.1	26.8	40
30/03/2023 09:20	4.1	307	10	6	0	26.6	39
30/03/2023 09:30	4	314	11	5.5	0	26.3	39
30/03/2023 09:40	3.4	313	9	4.7	0	26.9	43
30/03/2023 09:50	3.5	315	8	4.8	0	27.4	48
30/03/2023 10:00	3.7	311	9	5.3	0	27.8	51
30/03/2023 10:10	3.8	312	9	5.2	0	27.9	56
30/03/2023 10:20	3.7	313	11	5.5	0	28	60
30/03/2023 10:30	2.4	306	15	3.5	0	28.2	62
30/03/2023 10:40	2	295	16	2.8	0	28.4	62
30/03/2023 10:50	2.4	305	13	3.6	0	28.4	63
30/03/2023 11:00	2.2	295	14	3.2	0	28.6	64
30/03/2023 11:10	1.9	298	22	3	0	28.8	66
30/03/2023 11:20	2.7	304	12	3.7	0	29.1	68
30/03/2023 11:30	2.3	313	17	3.7	0	29.3	70
30/03/2023 11:40	2.7	309	20	4.4	0	29.8	71
30/03/2023 11:50	2.6	303	20	4.2	0	30.2	72
30/03/2023 12:00	2.9	309	16	5	0	29.7	72
30/03/2023 12:10	3.2	307	19	5.1	0	30	72
30/03/2023 12:20	3.6	304	14	5.5	0	30	72
30/03/2023 12:30	2.4	318	19	4.5	0	30.2	72
30/03/2023 12:40	3.2	304	17	5	0	30.3	72
30/03/2023 12:50	3.6	303	14	5.9	0	30.1	72
30/03/2023 13:00	3.5	307	19	6	0	30.3	72
30/03/2023 13:10	3.1	318	23	5.6	0	30.7	71
30/03/2023 13:20	3.5	307	14	5.6	0	30.7	71
30/03/2023 13:30	3.3	308	16	6.4	0	30.7	71
30/03/2023 13:40	4.2	304	11	6.4	0	30.7	71
30/03/2023 13:50	3	326	17	5.6	0	30.5	72
30/03/2023 14:00	3.1	313	18	5	0	30.8	71
30/03/2023 14:10	3.6	336	19	5.3	0	31	70
30/03/2023 14:20	3.8	334	19	6.1	0	31	69
30/03/2023 14:30	3.4	326	13	5.3	0	30.9	69
30/03/2023 14:40	3.6	339	18	5.4	0	31	69
30/03/2023 14:50	3.6	329	15	5.9	0	31	68
30/03/2023 15:00	3.6	325	16	6.1	0	30.9	68
30/03/2023 15:10	3.6	324	15	5.5	0	31.3	67
30/03/2023 15:20	3.4	322	16	5.3	0	31.4	66
30/03/2023 15:30	3.2	313	24	5.4	0	31.3	66
30/03/2023 15:40	3.3	304	15	5.2	0	31.6	66
30/03/2023 15:50	3.2	331	18	5.3	0	31.4	67
30/03/2023 16:00	3.9	312	13	5.7	0	31	67
30/03/2023 16:10	3.1	323	15	4.7	0	31.3	67
30/03/2023 16:20	3.1	321	30	5	0	31.4	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/03/2023 16:30	2.7	314	20	4.9	0	31.3	67
30/03/2023 16:40	3.4	320	15	5	0	31.1	68
30/03/2023 16:50	3.2	323	16	5.3	0	30.8	69
30/03/2023 17:00	3.2	326	12	4.9	0	30.8	69
30/03/2023 17:10	2.9	328	18	5.2	0	30.8	69
30/03/2023 17:20	3.8	325	8	5.4	0	30.4	70
30/03/2023 17:30	3.4	324	15	5.5	0	30.3	71
30/03/2023 17:40	2.6	305	17	4.4	0	30.3	71
30/03/2023 17:50	2.6	302	14	4.3	0	30	71
30/03/2023 18:00	2.8	295	12	4.5	0	29.6	72
30/03/2023 18:10	2.8	281	10	4.4	0	29.4	72
30/03/2023 18:20	2.4	293	8	3.7	0	29.3	73
30/03/2023 18:30	2.9	293	9	3.9	0	29.2	73
30/03/2023 18:40	3.3	294	8	4.5	0	29.2	73
30/03/2023 18:50	3	294	8	4.1	0	29.1	73
30/03/2023 19:00	2.8	285	7	4.2	0	29.1	74
30/03/2023 19:10	2.6	284	7	3.6	0	29	74
30/03/2023 19:20	2.6	281	8	3.6	0	29	74
30/03/2023 19:30	2.5	290	9	3.4	0	28.9	73
30/03/2023 19:40	2.2	300	9	3	0	28.8	73
30/03/2023 19:50	1.6	309	6	2.2	0	28.9	72
30/03/2023 20:00	1.8	304	7	2.7	0	28.9	72
30/03/2023 20:10	1.8	294	8	2.8	0	28.8	72
30/03/2023 20:20	1.5	309	12	2.3	0	28.6	71
30/03/2023 20:30	1.9	312	10	2.6	0	28.6	72
30/03/2023 20:40	2.1	297	7	2.7	0	28.6	72
30/03/2023 20:50	1.7	312	9	2.6	0	28.6	72
30/03/2023 21:00	2.3	308	7	2.9	0	28.6	72
30/03/2023 21:10	2.1	313	8	2.7	0	28.6	73
30/03/2023 21:20	2.2	294	8	2.8	0	28.6	73
30/03/2023 21:30	2	297	8	2.4	0	28.6	73
30/03/2023 21:40	1.5	303	10	2.1	0	28.6	73
30/03/2023 21:50	1.3	300	13	1.9	0	28.5	73
30/03/2023 22:00	0.9	182	34	1.6	0	28.6	73
30/03/2023 22:10	0.6	164	38	1	0	28.5	73
30/03/2023 22:20	1.4	310	14	1.9	0	28.5	72
30/03/2023 22:30	1.4	301	12	1.8	0	28.4	73
30/03/2023 22:40	1.5	290	14	2.2	0	28.5	73
30/03/2023 22:50	1.5	287	13	1.9	0	28.4	73
30/03/2023 23:00	1.9	290	7	2.6	0	28.4	73
30/03/2023 23:10	1.9	288	11	2.7	0	28.4	73
30/03/2023 23:20	1.6	289	11	2.4	0	28.4	73
30/03/2023 23:30	1.8	282	8	2.5	0	28.4	73
30/03/2023 23:40	1.9	281	9	2.4	0	28.4	73
30/03/2023 23:50	1.6	282	8	2.2	0	28.4	73
31/03/2023 00:00	1.5	274	12	2	0	28.3	73
31/03/2023 00:10	1.2	276	11	1.7	0	28.2	73
31/03/2023 00:20	1	283	16	1.6	0	28.2	73



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
31/03/2023 00:30	1.3	291	14	1.8	0	28.1	73
31/03/2023 00:40	1.1	336	23	1.8	0	28.2	73
31/03/2023 00:50	1	354	28	1.6	0	28.1	73
31/03/2023 01:00	0.4	178	42	0.9	0	28.1	72
31/03/2023 01:10	0.3	159	55	0.7	0	27.9	72
31/03/2023 01:20	0.6	57	12	0.9	0	28	72
31/03/2023 01:30	0.7	101	13	0.9	0	27.9	71
31/03/2023 01:40	0.7	242	56	1.2	0	28.1	71
31/03/2023 01:50	0.7	133	37	1.1	0	27.9	70
31/03/2023 02:00	0.6	46	10	0.8	0	27.8	70
31/03/2023 02:10	0.5	340	18	0.7	0	27.9	70
31/03/2023 02:20	0.6	178	30	1	0	27.8	69
31/03/2023 02:30	0.6	66	46	1	0	27.8	68
31/03/2023 02:40	0.6	15	14	1.1	0	27.7	67
31/03/2023 02:50	0.5	314	25	0.8	0	27.7	66
31/03/2023 03:00	0.4	260	27	0.7	0	27.7	66
31/03/2023 03:10	0.2	135	63	0.4	0	27.7	66
31/03/2023 03:20	0.4	221	42	0.8	0	27.7	66
31/03/2023 03:30	0.6	265	16	0.9	0	27.6	66
31/03/2023 03:40	0.6	321	32	1	0	27.7	66
31/03/2023 03:50	0.4	251	61	0.7	0	27.5	66
31/03/2023 04:00	1	189	15	1.5	0	27.6	66
31/03/2023 04:10	1.1	325	23	1.5	0	27.7	67
31/03/2023 04:20	0.9	313	12	1.3	0	27.7	68
31/03/2023 04:30	1.2	219	22	1.9	0	27.8	68
31/03/2023 04:40	1.4	195	48	2.9	0	27.7	68
31/03/2023 04:50	2.1	181	11	3.2	0	27.3	66
31/03/2023 05:00	2.4	176	11	4.1	0	27.2	63
31/03/2023 05:10	2.4	176	11	4.1	0	27.1	61
31/03/2023 05:20	1.7	185	16	3	0	27.1	59
31/03/2023 05:30	1.7	174	21	3	0	27	57
31/03/2023 05:40	1.1	190	24	1.9	0	27	56
31/03/2023 05:50	1.3	121	20	2.2	0	27	55
31/03/2023 06:00	0.8	21	35	1.2	0	27	55
31/03/2023 06:10	0.7	188	28	1.3	0	26.9	53
31/03/2023 06:20	1.2	180	16	2	0	26.9	53
31/03/2023 06:30	1	159	22	1.5	0	26.9	52
31/03/2023 06:40	0.8	44	13	1.1	0	27	51
31/03/2023 06:50	1	74	15	1.5	0	27.1	50
31/03/2023 07:00	1.1	125	17	1.6	0	27.6	52
31/03/2023 07:10	1.1	164	27	1.8	0	28	56
31/03/2023 07:20	1.3	118	20	2.1	0	28.7	60
31/03/2023 07:30	1.9	119	16	3	0	29	65
31/03/2023 07:40	2	107	17	3.2	0	29.1	67
31/03/2023 07:50	2.1	130	16	3.1	0	29.2	68
31/03/2023 08:00	2	126	23	3.1	0	29.1	69
31/03/2023 08:10	2	128	16	2.9	0	29.6	70
31/03/2023 08:20	2	145	14	3.7	0	29	70



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
31/03/2023 08:30	2	144	16	2.9	0	29.2	69
31/03/2023 08:40	2.1	139	14	3	0	29.5	70
31/03/2023 08:50	2.2	145	19	3.5	0	29.6	71
31/03/2023 09:00	2.3	125	34	4.5	0	29.8	72
31/03/2023 09:10	2.4	107	26	3.7	0	29.6	72
31/03/2023 09:20	3	100	15	4.8	0	29.9	72
31/03/2023 09:30	3.3	109	14	4.7	0	30.4	72
31/03/2023 09:40	3.4	102	13	5.3	0	30.6	72
31/03/2023 09:50	3.7	91	17	5.8	0	30.5	72
31/03/2023 10:00	2	205	57	3.5	0	30.5	73
31/03/2023 10:10	2.8	186	37	4.8	0	30.3	73
31/03/2023 10:20	2.8	13	22	5.3	0	30.1	72
31/03/2023 10:30	2.4	71	37	4.1	0	30.4	72
31/03/2023 10:40	3.3	189	23	5.8	0	31.7	68
31/03/2023 10:50	3.3	239	34	5	0	30.4	72
31/03/2023 11:00	2.1	179	17	3.3	0	30.1	73
31/03/2023 11:10	2.2	240	46	4.2	0	30.5	73
31/03/2023 11:20	3.3	171	22	5.2	0	31	70
31/03/2023 11:30	4.1	13	17	6.4	0	31.2	69
31/03/2023 11:40	3.8	184	18	6.1	0	31.7	68
31/03/2023 11:50	3.7	331	18	5.5	0	30.9	71
31/03/2023 12:00	5	13	9	6.3	0	31.3	67
31/03/2023 12:10	4.3	181	18	7.1	0	31.7	67
31/03/2023 12:20	4.1	327	13	5.9	0	30.8	70
31/03/2023 12:30	4	328	17	6.6	0	30.6	71
31/03/2023 12:40	4.4	332	15	6.4	0	30.2	72
31/03/2023 12:50	4.6	337	13	6.7	0	30.2	72
31/03/2023 13:00	4.4	346	16	7	0	30.3	72
31/03/2023 13:10	4.6	340	17	6.6	0	30.2	72
31/03/2023 13:20	4.5	347	15	6.7	0	30.3	72
31/03/2023 13:30	4.8	174	15	7.4	0	30.3	72
31/03/2023 13:40	3.8	359	20	5.6	0	30.4	71
31/03/2023 13:50	3.9	2	16	6.4	0	30.4	72
31/03/2023 14:00	4.6	17	11	6.3	0	30.4	70
31/03/2023 14:10	4	12	13	6.2	0	30.4	70
31/03/2023 14:20	4	184	15	5.9	0	30.4	70
31/03/2023 14:30	3.8	4	17	6.1	0	30.6	69
31/03/2023 14:40	3.9	13	10	5.2	0	30.5	69
31/03/2023 14:50	4.3	12	11	6.3	0	30.8	68
31/03/2023 15:00	4.4	13	12	6.8	0	31.2	67
31/03/2023 15:10	4.7	12	12	6.4	0	31.5	65
31/03/2023 15:20	4.8	11	15	6.7	0	31.7	64
31/03/2023 15:30	4.9	16	11	6.7	0	31.5	64
31/03/2023 15:40	4.4	7	14	6.8	0	31.7	62
31/03/2023 15:50	5.1	17	9	6.6	0	31.3	63
31/03/2023 16:00	4.8	14	11	6.6	0	31.4	61
31/03/2023 16:10	4.9	17	10	6	0	31.2	63
31/03/2023 16:20	4.3	12	12	5.8	0	31.4	62



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
31/03/2023 16:30	4.4	14	9	5.9	0	31.2	62
31/03/2023 16:40	4.3	16	11	5.9	0	31.2	62
31/03/2023 16:50	4.3	14	12	5.7	0	31.1	63
31/03/2023 17:00	3.3	7	12	4.9	0	31.2	63
31/03/2023 17:10	4	21	8	5.5	0	30.9	64
31/03/2023 17:20	3.9	21	10	5.3	0	30.8	65
31/03/2023 17:30	4.2	20	9	5.4	0	30.7	65
31/03/2023 17:40	3.5	13	12	5	0	30.6	65
31/03/2023 17:50	3.3	19	14	4.6	0	30.2	67
31/03/2023 18:00	3.3	15	10	4.6	0	29.8	68
31/03/2023 18:10	3.4	13	10	4.9	0	29.7	69
31/03/2023 18:20	3.5	13	9	5.2	0	29.6	69
31/03/2023 18:30	2.1	175	13	3.2	0	29.6	70
31/03/2023 18:40	2.6	184	13	3.6	0	29.5	70
31/03/2023 18:50	2.1	10	14	3.3	0	29.5	70
31/03/2023 19:00	2.4	23	12	3.8	0	29.5	70
31/03/2023 19:10	2.6	13	12	3.6	0	29.4	71
31/03/2023 19:20	2.9	10	12	3.9	0	29.4	70
31/03/2023 19:30	2.1	183	15	3	0	29.5	70
31/03/2023 19:40	1.9	15	15	2.8	0	29.3	71
31/03/2023 19:50	2.2	2	10	3	0	29.3	71
31/03/2023 20:00	2.4	355	8	3.2	0	29.3	69
31/03/2023 20:10	2.3	7	10	3.3	0	29.3	69
31/03/2023 20:20	2.9	352	8	3.8	0	29.2	69
31/03/2023 20:30	3.2	180	8	3.9	0	29.3	67
31/03/2023 20:40	2.8	11	8	3.6	0	29.2	68
31/03/2023 20:50	3.2	8	6	4.2	0	29.2	69
31/03/2023 21:00	3.2	1	8	4	0	29.1	71
31/03/2023 21:10	3.3	180	9	4.4	0	29.1	71
31/03/2023 21:20	3	352	7	3.9	0	29	71
31/03/2023 21:30	2.9	354	8	3.8	0	29	71
31/03/2023 21:40	2.8	355	7	3.5	0	29	71
31/03/2023 21:50	2	356	8	2.6	0	28.8	71
31/03/2023 22:00	1.6	358	11	2.3	0	28.8	71
31/03/2023 22:10	2.1	4	7	2.8	0	28.7	72
31/03/2023 22:20	2	12	9	2.5	0	28.6	72
31/03/2023 22:30	1.9	37	6	2.6	0	28.4	73
31/03/2023 22:40	1.9	27	8	2.8	0	28.3	74
31/03/2023 22:50	1.4	43	7	2	0	28.2	74
31/03/2023 23:00	0.9	188	16	1.6	0	28	74
31/03/2023 23:10	1.3	23	15	1.6	0	28	74
31/03/2023 23:20	1.4	31	10	2.1	0	28	74
31/03/2023 23:30	1.2	18	12	1.4	0	28	74
31/03/2023 23:40	1.1	30	8	1.3	0	28	74
31/03/2023 23:50	1.1	43	7	1.4	0	28.2	74
04/01/2023 00:00	1	32	7	1.2	0	28	74
04/01/2023 00:10	1.1	39	7	1.2	0	27.9	75
04/01/2023 00:20	1.3	28	7	1.5	0	27.9	75





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/01/2023 00:30	1.3	25	9	1.6	0	27.9	75
04/01/2023 00:40	1.1	25	9	1.4	0	27.9	74
04/01/2023 00:50	0.8	16	12	1.2	0	28	74
04/01/2023 01:00	1	27	11	1.4	0	27.9	74
04/01/2023 01:10	0.7	17	17	1.2	0	28.1	74
04/01/2023 01:20	0.9	43	22	1.9	0	28	74
04/01/2023 01:30	0.9	30	30	1.4	0	27.9	74
04/01/2023 01:40	1	35	13	1.5	0	27.7	74
04/01/2023 01:50	1	33	7	1.2	0	27.4	73
04/01/2023 02:00	1	42	13	1.3	0	27.4	72
04/01/2023 02:10	1	56	10	1.4	0	27.3	72
04/01/2023 02:20	1.1	60	11	1.4	0	27.2	71
04/01/2023 02:30	1.4	63	10	1.8	0	27.1	70
04/01/2023 02:40	1.9	54	4	2.1	0	27.1	70
04/01/2023 02:50	1.9	48	3	2.2	0	27	68
04/01/2023 03:00	2	53	2	2.2	0	27.1	67
04/01/2023 03:10	1.9	52	2	2	0	27.1	67
04/01/2023 03:20	1.5	54	2	1.7	0	27.1	67
04/01/2023 03:30	1.5	56	3	1.8	0	27.1	66
04/01/2023 03:40	1.4	31	16	1.8	0	27	67
04/01/2023 03:50	0.8	83	32	1.3	0	27	66
04/01/2023 04:00	1.9	65	6	2.3	0	27	66
04/01/2023 04:10	2	54	4	2.3	0	26.9	65
04/01/2023 04:20	1.9	48	2	2.2	0	26.7	63
04/01/2023 04:30	1.5	55	4	1.7	0	26.7	62
04/01/2023 04:40	1.7	62	3	1.9	0	26.9	62
04/01/2023 04:50	1.3	55	3	1.5	0	26.9	63
04/01/2023 05:00	1.2	57	4	1.5	0	26.8	63
04/01/2023 05:10	0.5	123	29	0.8	0	26.6	62
04/01/2023 05:20	0.3	209	37	0.4	0	26.5	60
04/01/2023 05:30	0.3	138	39	0.5	0	26.4	58
04/01/2023 05:40	0.9	67	9	1.2	0	26.4	56
04/01/2023 05:50	1	51	7	1.5	0	26.3	55
04/01/2023 06:00	0.5	32	15	1	0	26.2	54
04/01/2023 06:10	0.8	11	9	1	0	26.3	53
04/01/2023 06:20	0.3	104	34	0.7	0	26.4	54
04/01/2023 06:30	1.4	183	5	1.8	0	26.3	54
04/01/2023 06:40	1.5	174	6	2	0	26.5	54
04/01/2023 06:50	1	122	19	1.5	0	26.9	55
04/01/2023 07:00	1.1	62	12	1.5	0	27.1	58
04/01/2023 07:10	1.2	63	16	1.9	0	27.2	59
04/01/2023 07:20	1.3	85	19	2.2	0	27.7	62
04/01/2023 07:30	1.1	77	35	1.7	0	28.4	64
04/01/2023 07:40	1.3	151	31	2	0	28.5	67
04/01/2023 07:50	2.2	126	18	3.8	0	28.7	68
04/01/2023 08:00	2.3	115	18	3.8	0	28.9	70
04/01/2023 08:10	2.4	119	14	3.7	0	29.2	71
04/01/2023 08:20	2.3	114	17	3.6	0	29.3	72



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/01/2023 08:30	2.5	124	17	4.1	0	29.4	72
04/01/2023 08:40	2.6	129	22	3.8	0	29.4	72
04/01/2023 08:50	2.6	126	15	4.2	0	29.7	72
04/01/2023 09:00	3.1	104	14	4.6	0	29.9	73
04/01/2023 09:10	3.1	98	12	4.2	0	30	73
04/01/2023 09:20	3.1	86	8	4.2	0	30.2	73
04/01/2023 09:30	2.8	97	14	4.1	0	30.4	72
04/01/2023 09:40	2.8	113	21	4.2	0	30.5	72
04/01/2023 09:50	2.9	127	19	4.5	0	30.7	73
04/01/2023 10:00	3.3	107	19	4.7	0	30.8	72
04/01/2023 10:10	3.3	108	19	5	0	31.1	71
04/01/2023 10:20	3.3	114	20	5.3	0	31.2	71
04/01/2023 10:30	3.5	100	14	5.3	0	31.3	71
04/01/2023 10:40	3.4	135	17	5.5	0	31.1	71
04/01/2023 10:50	3.4	123	22	5.6	0	31.5	70
04/01/2023 11:00	3.3	104	21	5.5	0	31.4	70
04/01/2023 11:10	2.7	122	24	4.7	0	31.2	71
04/01/2023 11:20	2.9	106	18	4.7	0	31.1	71
04/01/2023 11:30	2.7	53	25	3.7	0	31	71
04/01/2023 11:40	3.6	62	13	5.9	0	31.3	69
04/01/2023 11:50	3.5	75	17	4.8	0	31.3	70
04/01/2023 12:00	3	48	18	5.2	0	31.1	71
04/01/2023 12:10	2.8	42	25	5.4	0	31	71
04/01/2023 12:20	2.7	60	25	4.4	0	31.3	71
04/01/2023 12:30	3.6	69	14	5.3	0	31.6	69
04/01/2023 12:40	4	66	15	5.8	0	31.9	68
04/01/2023 12:50	4.4	77	14	6.7	0	31.9	68
04/01/2023 13:00	3.8	67	17	5.9	0	32	68
04/01/2023 13:10	4.3	70	10	6.4	0	32.1	67
04/01/2023 13:20	4.2	62	13	6.1	0	31.9	68
04/01/2023 13:30	4.4	55	34	7.4	0	32.1	67
04/01/2023 13:40	2.5	194	44	4.5	0	32.2	65
04/01/2023 13:50	2.4	343	17	4.4	0	31.8	66
04/01/2023 14:00	3.1	343	32	4.6	0	31.9	65
04/01/2023 14:10	3.2	327	16	4.8	0	32.2	65
04/01/2023 14:20	2.9	347	20	4.8	0	32.1	65
04/01/2023 14:30	3.2	337	17	4.9	0	32.3	64
04/01/2023 14:40	2.5	332	17	4.9	0	32.3	63
04/01/2023 14:50	2.9	323	11	3.8	0	32.5	63
04/01/2023 15:00	2.3	322	27	4.6	0	32.8	62
04/01/2023 15:10	2.3	337	26	3.6	0	33.1	61
04/01/2023 15:20	1.8	179	36	3.5	0	33.2	60
04/01/2023 15:30	2.6	324	22	4.1	0	32.9	62
04/01/2023 15:40	4	322	10	5.6	0	32	65
04/01/2023 15:50	3.9	324	7	5.4	0	31.8	65
04/01/2023 16:00	3.1	330	16	4.3	0	31.8	65
04/01/2023 16:10	3.3	335	19	4.6	0	31.7	65
04/01/2023 16:20	3.2	326	11	4.4	0	32	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/01/2023 16:30	3.4	335	14	4.8	0	31.9	64
04/01/2023 16:40	3.1	326	14	4.6	0	31.8	63
04/01/2023 16:50	3.2	323	12	4.3	0	31.7	63
04/01/2023 17:00	3.5	324	16	4.9	0	31.3	64
04/01/2023 17:10	2.8	328	12	4.7	0	31.3	65
04/01/2023 17:20	2.9	346	10	4.3	0	31.2	66
04/01/2023 17:30	2.3	348	12	3.5	0	31	66
04/01/2023 17:40	2.5	328	8	3.6	0	30.9	67
04/01/2023 17:50	2.7	336	12	4.1	0	30.6	69
04/01/2023 18:00	2.8	335	9	4	0	30.2	70
04/01/2023 18:10	2.9	345	11	4	0	29.9	71
04/01/2023 18:20	2.5	349	14	3.8	0	29.7	72
04/01/2023 18:30	2.8	334	13	4.3	0	29.6	72
04/01/2023 18:40	2.8	340	15	3.9	0	29.6	73
04/01/2023 18:50	3	341	11	4.2	0	29.5	73
04/01/2023 19:00	2.9	349	10	4.1	0	29.5	73
04/01/2023 19:10	2.9	341	9	4.3	0	29.4	73
04/01/2023 19:20	2.9	345	10	4.2	0	29.4	73
04/01/2023 19:30	2.6	349	12	3.5	0	29.3	73
04/01/2023 19:40	2.7	341	14	3.7	0	29.3	73
04/01/2023 19:50	2	334	12	3.6	0	29.2	73
04/01/2023 20:00	2.9	335	11	4.3	0	29.3	73
04/01/2023 20:10	2.2	336	15	3.7	0	29.3	73
04/01/2023 20:20	2.2	342	16	3.8	0	29.2	73
04/01/2023 20:30	2.3	340	15	4.1	0	29.2	74
04/01/2023 20:40	2.4	342	14	3.7	0	29.1	74
04/01/2023 20:50	2.8	329	11	4	0	29.1	73
04/01/2023 21:00	2.5	330	15	3.9	0	29.1	74
04/01/2023 21:10	2.8	328	11	4.4	0	29.1	73
04/01/2023 21:20	3.4	325	9	4.7	0	29.1	74
04/01/2023 21:30	2.7	314	13	4.3	0	29	74
04/01/2023 21:40	3	308	10	4.4	0	29	73
04/01/2023 21:50	2.3	303	10	3.6	0	29	74
04/01/2023 22:00	2.4	317	14	4.5	0	29	74
04/01/2023 22:10	2.3	305	15	3.6	0	28.9	74
04/01/2023 22:20	2.7	306	11	4.1	0	28.9	74
04/01/2023 22:30	2.4	298	11	3.5	0	28.9	74
04/01/2023 22:40	2.5	303	10	3.6	0	28.8	74
04/01/2023 22:50	2.3	295	10	3.2	0	28.8	74
04/01/2023 23:00	2.8	288	6	3.7	0	28.7	74
04/01/2023 23:10	2.5	294	6	3.3	0	28.6	74
04/01/2023 23:20	2.4	296	7	3.2	0	28.5	74
04/01/2023 23:30	2.3	300	6	2.9	0	28.5	74
04/01/2023 23:40	2.3	294	8	3.1	0	28.4	74
04/01/2023 23:50	1.7	294	7	2.3	0	28.4	74
04/02/2023 00:00	1.5	302	5	1.9	0	28.4	74
04/02/2023 00:10	1	304	11	1.4	0	28.4	74
04/02/2023 00:20	1	326	10	1.4	0	28.3	74



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/02/2023 00:30	1.2	308	6	1.6	0	28.3	74
04/02/2023 00:40	1.3	301	7	1.5	0	28.3	74
04/02/2023 00:50	1.4	292	5	1.8	0	28.3	74
04/02/2023 01:00	0.9	265	23	1.4	0	28.1	74
04/02/2023 01:10	1.2	291	6	1.7	0	27.9	74
04/02/2023 01:20	1.4	300	7	1.8	0	28	74
04/02/2023 01:30	1.4	294	5	1.6	0	27.9	74
04/02/2023 01:40	1.7	274	8	2.3	0	27.7	73
04/02/2023 01:50	0.7	150	55	1.5	0	27.5	72
04/02/2023 02:00	0.5	134	65	1.1	0	27.4	71
04/02/2023 02:10	0.5	138	46	1.2	0	27.5	70
04/02/2023 02:20	1.1	254	18	2.4	0	27.4	70
04/02/2023 02:30	1.1	244	28	2.3	0	27.4	69
04/02/2023 02:40	0.7	219	61	2	0	27.4	69
04/02/2023 02:50	0.5	164	56	1.2	0	27.3	68
04/02/2023 03:00	0.3	45	58	0.9	0	27.2	67
04/02/2023 03:10	0.7	100	24	1.1	0	27.1	66
04/02/2023 03:20	0.6	177	63	1	0	27	64
04/02/2023 03:30	0.9	235	23	1.5	0	27.2	62
04/02/2023 03:40	1.1	234	25	1.8	0	27.1	61
04/02/2023 03:50	1	226	21	1.7	0	27.1	59
04/02/2023 04:00	0.8	210	36	1.4	0	27	58
04/02/2023 04:10	0.8	223	30	1.5	0	27	57
04/02/2023 04:20	1	232	20	1.7	0	27	56
04/02/2023 04:30	1.3	232	16	2.2	0	27	54
04/02/2023 04:40	1.5	222	19	2.4	0	27.1	54
04/02/2023 04:50	1.2	250	24	2.4	0	27	53
04/02/2023 05:00	0.5	241	32	1.6	0	26.8	52
04/02/2023 05:10	1.6	265	13	2.5	0	26.7	50
04/02/2023 05:20	1.3	254	17	2.4	0	26.6	47
04/02/2023 05:30	0.8	221	22	1.5	0	26.6	45
04/02/2023 05:40	1.1	273	25	2.2	0	26.5	44
04/02/2023 05:50	0.6	163	36	1.1	0	26.5	43
04/02/2023 06:00	0.7	183	20	1.1	0	26.6	42
04/02/2023 06:10	1	226	29	2.1	0	26.5	42
04/02/2023 06:20	0.8	183	48	1.8	0	26.4	42
04/02/2023 06:30	0.5	207	33	1	0	26.5	41
04/02/2023 06:40	1.2	222	15	1.9	0	26.6	41
04/02/2023 06:50	0.9	204	13	1.5	0	26.7	41
04/02/2023 07:00	1.5	221	12	2.8	0	27	43
04/02/2023 07:10	3.2	238	9	4.2	0	27.3	46
04/02/2023 07:20	2.6	236	18	3.9	0	27.6	52
04/02/2023 07:30	1.8	232	17	2.9	0	27.9	55
04/02/2023 07:40	2.5	228	12	3.7	0	28	59
04/02/2023 07:50	2.3	224	15	3.3	0	28.2	62
04/02/2023 08:00	2.6	201	9	3.8	0	28.5	65
04/02/2023 08:10	3	214	18	4.2	0	28.6	68
04/02/2023 08:20	3.1	199	9	4.2	0	28.7	69



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/02/2023 08:30	3	205	9	4.2	0	28.9	71
04/02/2023 08:40	3.1	218	10	4.3	0	29.2	72
04/02/2023 08:50	3.3	228	18	4.8	0	29.5	72
04/02/2023 09:00	2.8	225	17	3.9	0	29.7	72
04/02/2023 09:10	2.9	221	17	4.2	0	29.9	71
04/02/2023 09:20	2.4	229	15	3.8	0	30.2	70
04/02/2023 09:30	2.2	234	19	3.8	0	30.3	68
04/02/2023 09:40	2.1	191	26	3.1	0	30.4	67
04/02/2023 09:50	2	186	29	3.2	0	30.7	64
04/02/2023 10:00	2.3	195	13	3.6	0	31.2	62
04/02/2023 10:10	2	187	18	3.2	0	31.3	61
04/02/2023 10:20	2.6	255	26	4.4	0	31.8	60
04/02/2023 10:30	2.9	294	19	5.2	0	32.1	60
04/02/2023 10:40	2.5	303	18	4.6	0	32.1	59
04/02/2023 10:50	2.9	291	16	4.5	0	32.1	57
04/02/2023 11:00	3.7	276	13	5.1	0	32.3	54
04/02/2023 11:10	3.4	293	17	4.6	0	32.5	52
04/02/2023 11:20	3.4	295	11	5.1	0	32.8	52
04/02/2023 11:30	2.9	291	11	4.7	0	32.8	52
04/02/2023 11:40	2.9	283	16	4.7	0	33	50
04/02/2023 11:50	2.8	284	16	4.4	0	33.5	50
04/02/2023 12:00	2.7	258	17	4.4	0	33.3	51
04/02/2023 12:10	3	291	21	5.1	0	33.4	49
04/02/2023 12:20	2.7	301	19	4.4	0	33.6	47
04/02/2023 12:30	3.1	286	18	4.8	0	34.1	46
04/02/2023 12:40	3.3	299	19	4.6	0	33.8	45
04/02/2023 12:50	2.8	328	21	4.1	0	33.8	44
04/02/2023 13:00	2.9	305	21	4.5	0	33.5	47
04/02/2023 13:10	3.6	332	12	5.4	0	33.3	53
04/02/2023 13:20	3.8	338	15	5	0	33.2	54
04/02/2023 13:30	4.1	328	14	5.9	0	33.2	53
04/02/2023 13:40	3.9	336	16	5.9	0	33.2	55
04/02/2023 13:50	4.3	334	15	6.4	0	32.9	55
04/02/2023 14:00	4.5	335	16	5.9	0	32.7	57
04/02/2023 14:10	4.3	332	14	6.1	0	32.8	58
04/02/2023 14:20	4.3	341	11	6.3	0	32.7	58
04/02/2023 14:30	4.4	335	15	5.9	0	32.6	57
04/02/2023 14:40	4.4	334	11	5.6	0	32.7	56
04/02/2023 14:50	4.7	336	11	6.9	0	32.6	58
04/02/2023 15:00	4.1	329	13	6.2	0	32.7	58
04/02/2023 15:10	3.9	328	11	5.3	0	32.7	58
04/02/2023 15:20	3.8	319	16	5.6	0	32.9	55
04/02/2023 15:30	3.8	319	15	5.7	0	33	54
04/02/2023 15:40	3.8	308	18	5.5	0	32.8	54
04/02/2023 15:50	3.7	300	20	5.6	0	33	54
04/02/2023 16:00	3.5	312	17	5.6	0	33.1	53
04/02/2023 16:10	3.9	317	15	6	0	32.6	54
04/02/2023 16:20	3.2	306	16	5.5	0	32.5	54



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/02/2023 16:30	3.4	301	21	5.1	0	31.9	56
04/02/2023 16:40	3.6	304	12	5.8	0	31.6	57
04/02/2023 16:50	3.2	313	17	5.1	0	31.5	55
04/02/2023 17:00	3.6	307	11	4.9	0	31.4	53
04/02/2023 17:10	4.1	310	8	5.4	0	31.2	54
04/02/2023 17:20	4	309	7	5.3	0	31.1	55
04/02/2023 17:30	3.9	306	8	5.1	0	31	56
04/02/2023 17:40	3.6	309	9	5.4	0	31	56
04/02/2023 17:50	3.5	305	11	5.1	0	30.8	60
04/02/2023 18:00	3.5	301	9	4.8	0	30.6	61
04/02/2023 18:10	3.4	291	8	4.8	0	30.4	63
04/02/2023 18:20	3.5	293	8	4.6	0	30.4	61
04/02/2023 18:30	3.7	293	10	4.7	0	30.4	63
04/02/2023 18:40	3.4	288	9	4.4	0	30.2	66
04/02/2023 18:50	3.2	285	9	4.6	0	30.1	68
04/02/2023 19:00	3.1	291	11	4.4	0	30	69
04/02/2023 19:10	3.2	293	10	4.8	0	30	69
04/02/2023 19:20	3.2	296	10	4.4	0	30	70
04/02/2023 19:30	2.9	296	12	4.2	0	30	71
04/02/2023 19:40	2.7	302	13	3.9	0	29.9	72
04/02/2023 19:50	2.3	298	11	3.5	0	29.9	72
04/02/2023 20:00	2.7	297	10	4.1	0	29.8	72
04/02/2023 20:10	3	295	10	4	0	29.8	72
04/02/2023 20:20	2.9	296	9	4	0	29.8	73
04/02/2023 20:30	3.1	290	10	4.1	0	29.8	73
04/02/2023 20:40	3.1	288	8	4.1	0	29.7	73
04/02/2023 20:50	3	284	8	3.9	0	29.7	73
04/02/2023 21:00	3.4	284	8	4.4	0	29.7	73
04/02/2023 21:10	3.7	278	6	4.8	0	29.7	73
04/02/2023 21:20	3.3	276	7	4.1	0	29.6	73
04/02/2023 21:30	3.4	279	6	4.3	0	29.6	73
04/02/2023 21:40	3.6	279	6	4.4	0	29.6	73
04/02/2023 21:50	3.5	279	7	4.4	0	29.5	73
04/02/2023 22:00	3.3	270	5	4.2	0	29.6	73
04/02/2023 22:10	3.4	276	5	4.3	0	29.5	73
04/02/2023 22:20	3.3	271	5	4.3	0	29.5	73
04/02/2023 22:30	3.2	275	6	4.3	0	29.4	73
04/02/2023 22:40	3.1	274	5	4.1	0	29.3	73
04/02/2023 22:50	3.7	272	5	4.6	0	29.3	73
04/02/2023 23:00	3.4	272	6	4.6	0	29.3	73
04/02/2023 23:10	3.3	278	6	4.2	0	29.3	73
04/02/2023 23:20	3.4	277	7	4.3	0	29.2	73
04/02/2023 23:30	3.2	271	6	4.2	0	29.2	73
04/02/2023 23:40	4	271	5	5.3	0	29.3	73
04/02/2023 23:50	3.6	270	5	4.6	0	29.2	73
04/03/2023 00:00	3.2	272	7	4.3	0	29.1	73
04/03/2023 00:10	3.3	270	6	4.1	0	29.1	73
04/03/2023 00:20	3.5	266	6	4.8	0	29.1	73



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/03/2023 00:30	4.1	265	6	5.4	0	29.2	73
04/03/2023 00:40	4.2	266	5	5.6	0	29.2	73
04/03/2023 00:50	4.1	270	7	5.3	0	29.2	73
04/03/2023 01:00	3.9	276	7	5.1	0	29.2	73
04/03/2023 01:10	4.2	277	6	5.5	0	29.2	73
04/03/2023 01:20	3.9	275	7	5.4	0	29.2	73
04/03/2023 01:30	3.7	274	7	4.9	0	29.2	73
04/03/2023 01:40	4	278	6	5.8	0	29.1	73
04/03/2023 01:50	4	276	6	5.4	0	29.1	73
04/03/2023 02:00	3.9	273	6	5.7	0	29.1	73
04/03/2023 02:10	4.6	270	5	5.9	0	29.1	73
04/03/2023 02:20	4	271	8	5.2	0	29	73
04/03/2023 02:30	3.9	266	8	5.3	0	29	73
04/03/2023 02:40	3.8	263	8	5.1	0	29	73
04/03/2023 02:50	3.8	263	7	5.3	0	28.9	73
04/03/2023 03:00	4.1	261	7	5.7	0	29	72
04/03/2023 03:10	3.3	255	8	4.7	0	28.7	72
04/03/2023 03:20	2.9	244	12	4.5	0	28.6	70
04/03/2023 03:30	3	247	11	4.6	0	28.5	69
04/03/2023 03:40	3	249	11	4.6	0	28.3	67
04/03/2023 03:50	3.1	247	10	4.8	0	28.3	65
04/03/2023 04:00	3.9	245	11	5.6	0	28.2	63
04/03/2023 04:10	3.8	247	10	5.5	0	28.3	64
04/03/2023 04:20	3.6	250	11	5	0	28.3	64
04/03/2023 04:30	3.8	246	11	5.2	0	28.2	64
04/03/2023 04:40	3.6	246	11	5	0	28.2	64
04/03/2023 04:50	3.5	251	11	5.1	0	28.1	64
04/03/2023 05:00	3.8	254	10	5.2	0	27.9	65
04/03/2023 05:10	4.2	260	8	5.9	0	27.8	65
04/03/2023 05:20	3.9	255	10	6.1	0	27.6	64
04/03/2023 05:30	2.9	252	12	4.2	0	27.7	64
04/03/2023 05:40	3	249	12	4.5	0	27.7	65
04/03/2023 05:50	3.1	246	13	4.8	0	27.8	65
04/03/2023 06:00	2.9	246	11	4.4	0	27.8	66
04/03/2023 06:10	2.8	248	13	4.3	0	27.7	66
04/03/2023 06:20	2.6	252	11	3.9	0	27.6	65
04/03/2023 06:30	2.3	260	15	3.3	0	27.5	64
04/03/2023 06:40	2.8	268	12	4.1	0	27.5	63
04/03/2023 06:50	2.6	257	12	3.9	0	27.7	64
04/03/2023 07:00	2.3	240	19	4.4	0	28	64
04/03/2023 07:10	2.7	230	12	4.6	0	28.3	66
04/03/2023 07:20	2.9	226	15	4.3	0	28.5	68
04/03/2023 07:30	2.7	231	13	5	0	28.8	70
04/03/2023 07:40	3.3	226	14	5.4	0	28.8	72
04/03/2023 07:50	3.5	222	14	5.6	0	28.7	73
04/03/2023 08:00	3.3	221	15	5.3	0	28.9	73
04/03/2023 08:10	3.4	223	11	5.2	0	29.3	72
04/03/2023 08:20	3.5	220	14	5.5	0	29.5	71



# Yara Pilbara Nitrates- Western Boundary 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/03/2023 08:30	4	233	10	5.4	0	29.8	70
04/03/2023 08:40	3.4	220	14	5.5	0	29.9	70
04/03/2023 08:50	4.5	201	9	6	0	30.1	68
04/03/2023 09:00	3.8	204	10	5.2	0	30.3	67
04/03/2023 09:10	3.1	209	12	4.4	0	30.6	66
04/03/2023 09:20	3.1	217	20	4.8	0	31.2	64
04/03/2023 09:30	3	231	16	4.8	0	31.8	62
04/03/2023 09:40	3.4	232	15	5.3	0	31.7	62
04/03/2023 09:50	3.8	243	15	5.4	0	31.5	62
04/03/2023 10:00	3.7	240	13	4.9	0	31.6	62
04/03/2023 10:10	4	238	16	5.7	0	32.2	60
04/03/2023 10:20	3.4	243	20	5.1	0	32.4	60
04/03/2023 10:30	3.7	239	12	5.5	0	32.7	59
04/03/2023 10:40	3.8	236	13	5.3	0	32.5	60
04/03/2023 10:50	4	287	12	5.2	0	32.8	59
04/03/2023 11:00	4.3	275	11	5.6	0	32.8	60
04/03/2023 11:10	4.1	281	11	5.3	0	32.8	59
04/03/2023 11:20	4.3	283	9	6	0	32.7	59
04/03/2023 11:30	4.4	283	9	5.9	0	32.9	59
04/03/2023 11:40	4.2	281	7	5.4	0	32.5	60
04/03/2023 11:50	4.1	288	9	5.4	0	32.4	60
04/03/2023 12:00	4.1	270	14	6	0	33.1	58
04/03/2023 12:10	4.1	266	10	5.5	0	33.6	57
04/03/2023 12:20	4	289	15	5.5	0	33.7	56
04/03/2023 12:30	4.1	281	12	5.8	0	33.6	54
04/03/2023 12:40	4	271	9	5.5	0	33.8	52
04/03/2023 12:50	4	277	10	6.1	0	34	50
04/03/2023 13:00	4	283	13	5.6	0	34.1	48
04/03/2023 13:10	4	291	12	5.5	0	34.4	47
04/03/2023 13:20	4.2	296	10	5.8	0	34.3	48
04/03/2023 13:30	4	292	11	5.5	0	34.3	47
04/03/2023 13:40	3.9	275	16	5.8	0	34.4	49
04/03/2023 13:50	3.7	315	19	5.6	0	34.2	56
04/03/2023 14:00	3.9	310	18	6.4	0	34	58
04/03/2023 14:10	4.2	322	12	5.7	0	33.5	59
04/03/2023 14:20	4.4	331	13	5.8	0	33.3	59
04/03/2023 14:30	4.9	331	12	7	0	33.2	61
04/03/2023 14:40	4.5	344	13	6.9	0	33.1	61
04/03/2023 14:50	5.1	341	15	6.7	0	33	60
04/03/2023 15:00	4.4	344	14	6.3	0	33.3	58
04/03/2023 15:10	4.8	341	12	7.2	0	33.1	57
04/03/2023 15:20	4.7	331	11	6.7	0	32.9	59
04/03/2023 15:30	4.9	335	13	7.1	0	32.5	61
04/03/2023 15:40	5.1	334	12	7.6	0	32.5	63
04/03/2023 15:50	5.7	331	11	8	0	32.1	65
04/03/2023 16:00	5.1	328	10	7.9	0	32.2	66
04/03/2023 16:10	6	331	13	7.9	0	31.8	69
04/03/2023 16:20	5.7	343	13	7.9	0	31.7	70





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/03/2023 16:30	6.2	352	11	8.5	0	31.3	71
04/03/2023 16:40	5.8	352	12	8.9	0	31.2	71
04/03/2023 16:50	5.2	344	12	8	0	31.3	72
04/03/2023 17:00	5.3	335	12	7.2	0	30.9	72
04/03/2023 17:10	5.3	330	11	7.4	0	30.7	72
04/03/2023 17:20	4.9	332	12	6.8	0	30.7	73
04/03/2023 17:30	4.9	333	10	7.2	0	30.6	73
04/03/2023 17:40	4.6	340	12	6.8	0	30.5	73
04/03/2023 17:50	5	324	8	6.9	0	30.3	73
04/03/2023 18:00	4.9	328	11	6.7	0	30.1	74
04/03/2023 18:10	4.9	326	9	6.4	0	29.9	73
04/03/2023 18:20	4.4	335	10	6.4	0	29.9	74
04/03/2023 18:30	4.1	329	10	6	0	29.9	74
04/03/2023 18:40	4.1	329	11	6.2	0	29.9	74
04/03/2023 18:50	3.6	328	10	5.5	0	29.9	74
04/03/2023 19:00	3.5	322	11	5.1	0	29.9	74
04/03/2023 19:10	3.9	317	11	5.7	0	29.8	74
04/03/2023 19:20	3.2	321	13	5.2	0	29.8	74
04/03/2023 19:30	3.9	310	10	5.6	0	29.8	74
04/03/2023 19:40	3.3	304	12	5.3	0	29.7	74
04/03/2023 19:50	3.8	307	14	5.8	0	29.7	73
04/03/2023 20:00	3.3	296	13	4.6	0	29.7	73
04/03/2023 20:10	3.3	288	10	4.7	0	29.6	73
04/03/2023 20:20	3.4	283	9	4.6	0	29.6	74
04/03/2023 20:30	3.3	297	9	4.7	0	29.6	74
04/03/2023 20:40	3.5	293	10	5	0	29.6	74
04/03/2023 20:50	3.4	286	11	4.8	0	29.5	74
04/03/2023 21:00	3.7	294	8	5.7	0	29.6	74
04/03/2023 21:10	3.2	293	9	4.9	0	29.6	74
04/03/2023 21:20	3.5	279	9	4.6	0	29.5	74
04/03/2023 21:30	3.9	270	7	5.4	0	29.5	74
04/03/2023 21:40	3.6	275	7	5	0	29.5	74
04/03/2023 21:50	3.6	275	9	5	0	29.5	74
04/03/2023 22:00	3.7	276	8	5.1	0	29.4	74
04/03/2023 22:10	3.4	277	7	4.5	0	29.4	74
04/03/2023 22:20	3.1	279	9	4.4	0	29.4	74
04/03/2023 22:30	3.9	276	7	5.1	0	29.3	74
04/03/2023 22:40	4	274	7	5.3	0	29.3	74
04/03/2023 22:50	4	272	6	5.4	0	29.3	74
04/03/2023 23:00	3.8	279	8	5.2	0	29.3	74
04/03/2023 23:10	4	281	7	5.5	0	29.2	74
04/03/2023 23:20	3.8	277	7	4.8	0	29.2	74
04/03/2023 23:30	4.1	278	7	5.3	0	29.2	74
04/03/2023 23:40	3.8	278	7	5.1	0	29.2	74
04/03/2023 23:50	3.5	284	8	4.6	0	29.2	74
04/04/2023 00:00	3.4	283	8	4.6	0	29.1	74
04/04/2023 00:10	3.2	278	7	4.5	0	29.1	74
04/04/2023 00:20	3.2	279	7	4.6	0	29	74



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/04/2023 00:30	3.4	280	7	4.3	0	29	74
04/04/2023 00:40	2.9	275	8	4.4	0	29	74
04/04/2023 00:50	3.5	269	7	4.9	0	29	74
04/04/2023 01:00	3.8	268	7	5.1	0	29.1	74
04/04/2023 01:10	3.9	262	6	5.3	0	29.1	74
04/04/2023 01:20	4.2	260	6	5.3	0	29.1	74
04/04/2023 01:30	4	260	7	5.2	0	29.1	73
04/04/2023 01:40	3.8	254	8	4.9	0	29.1	73
04/04/2023 01:50	3.5	243	10	4.8	0	29.2	73
04/04/2023 02:00	3.6	241	11	5.2	0	29.1	71
04/04/2023 02:10	3.3	239	11	5.3	0	29.1	70
04/04/2023 02:20	4	239	12	5.9	0	29.1	69
04/04/2023 02:30	4.2	239	10	5.6	0	29	70
04/04/2023 02:40	3.8	247	11	5.1	0	28.9	70
04/04/2023 02:50	3.4	253	10	5	0	28.7	70
04/04/2023 03:00	3.5	247	13	5.1	0	28.6	69
04/04/2023 03:10	3.3	244	12	5.1	0	28.7	70
04/04/2023 03:20	3.5	249	10	5.1	0	28.6	69
04/04/2023 03:30	3.2	251	12	4.6	0	28.5	68
04/04/2023 03:40	3.1	249	14	4.1	0	28.4	67
04/04/2023 03:50	3	248	13	4.3	0	28.4	66
04/04/2023 04:00	3.3	249	13	4.9	0	28.5	66
04/04/2023 04:10	3.3	248	11	5.2	0	28.5	66
04/04/2023 04:20	3.5	243	10	5.4	0	28.5	67
04/04/2023 04:30	3.6	248	11	5.2	0	28.5	69
04/04/2023 04:40	3.4	252	11	4.9	0	28.3	68
04/04/2023 04:50	3.4	260	8	4.7	0	28.1	67
04/04/2023 05:00	3.2	259	6	4.5	0	28	66
04/04/2023 05:10	3	261	7	4.2	0	27.9	65
04/04/2023 05:20	2.4	267	7	3.5	0	27.8	63
04/04/2023 05:30	2.1	269	10	2.8	0	27.7	61
04/04/2023 05:40	2.6	271	8	3.4	0	27.6	60
04/04/2023 05:50	2.8	261	11	3.8	0	27.6	60
04/04/2023 06:00	3.2	261	9	4.3	0	27.7	61
04/04/2023 06:10	3.1	265	8	4.2	0	27.7	62
04/04/2023 06:20	3.2	266	8	4.2	0	27.7	62
04/04/2023 06:30	2.8	268	10	4	0	27.7	63
04/04/2023 06:40	2.7	271	9	3.9	0	27.8	65
04/04/2023 06:50	3	273	9	4.1	0	27.8	66
04/04/2023 07:00	3	272	11	4.2	0	27.9	68
04/04/2023 07:10	3.1	265	10	4.4	0	28.1	69
04/04/2023 07:20	2.8	262	12	4.1	0	28.4	71
04/04/2023 07:30	2.6	256	14	4.1	0	28.7	73
04/04/2023 07:40	3	250	12	4.4	0	28.9	73
04/04/2023 07:50	3.3	255	11	4.8	0	29.2	72
04/04/2023 08:00	3.1	244	13	4.9	0	29.4	70
04/04/2023 08:10	3.7	243	12	5.4	0	29.5	69
04/04/2023 08:20	3.4	248	12	4.8	0	29.8	68



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/04/2023 08:30	4.1	255	10	5.4	0	30.3	65
04/04/2023 08:40	4.2	252	12	5.6	0	30.6	62
04/04/2023 08:50	3.7	251	12	5.5	0	31.1	59
04/04/2023 09:00	3.4	243	12	4.9	0	31.2	58
04/04/2023 09:10	3.6	250	14	5	0	31.5	57
04/04/2023 09:20	3.3	243	14	4.9	0	31.8	56
04/04/2023 09:30	4.1	252	12	5.3	0	32.1	54
04/04/2023 09:40	3.3	243	14	4.8	0	32.2	53
04/04/2023 09:50	3.1	238	15	4.5	0	32.4	53
04/04/2023 10:00	3	235	17	4.2	0	32.4	53
04/04/2023 10:10	2.9	238	15	4.5	0	32.2	54
04/04/2023 10:20	2.6	244	17	3.9	0	32.4	53
04/04/2023 10:30	2.7	254	20	4.1	0	32.8	49
04/04/2023 10:40	2.7	263	19	4.3	0	33.1	47
04/04/2023 10:50	2.5	280	11	3.6	0	33.3	48
04/04/2023 11:00	2.4	273	25	4.1	0	33.2	49
04/04/2023 11:10	2.3	264	18	4.1	0	33.4	50
04/04/2023 11:20	2.4	290	19	3.7	0	33.3	52
04/04/2023 11:30	2.8	270	17	4.3	0	33.7	51
04/04/2023 11:40	3.1	272	14	4.7	0	33.7	50
04/04/2023 11:50	3.5	269	16	5.1	0	34	50
04/04/2023 12:00	2.8	274	15	4.2	0	34.2	48
04/04/2023 12:10	2.7	299	21	4.4	0	34	48
04/04/2023 12:20	2.9	281	20	4.5	0	34.4	47
04/04/2023 12:30	2.9	297	16	4.3	0	34.1	47
04/04/2023 12:40	3.2	285	13	4.7	0	34.1	46
04/04/2023 12:50	3.2	281	12	5	0	34.3	47
04/04/2023 13:00	2.7	304	31	4.5	0	34.7	47
04/04/2023 13:10	3.2	301	25	4.9	0	34.4	49
04/04/2023 13:20	3.9	276	19	5.7	0	34.4	50
04/04/2023 13:30	3.9	291	17	5.9	0	34	53
04/04/2023 13:40	4.2	288	15	6	0	34	53
04/04/2023 13:50	4.3	287	16	6	0	34.1	55
04/04/2023 14:00	3.6	302	19	5.9	0	34.3	54
04/04/2023 14:10	5.3	274	9	7.1	0	34	54
04/04/2023 14:20	4.4	285	16	6.9	0	34.2	53
04/04/2023 14:30	4.3	287	20	7.1	0	34.3	52
04/04/2023 14:40	4	297	18	6.3	0	33.8	53
04/04/2023 14:50	5	307	16	8.3	0	33.6	54
04/04/2023 15:00	4.2	300	16	6.9	0	33.6	54
04/04/2023 15:10	4.8	302	13	7	0	33.8	52
04/04/2023 15:20	4.8	319	15	7.1	0	33.5	54
04/04/2023 15:30	5.2	307	11	7.8	0	33.2	55
04/04/2023 15:40	5.1	298	12	7.7	0	33.2	56
04/04/2023 15:50	5	289	11	7.4	0	33.2	56
04/04/2023 16:00	4.2	301	14	6.5	0	32.8	58
04/04/2023 16:10	5.5	284	10	7.2	0	32.8	58
04/04/2023 16:20	5.3	280	8	7	0	32.9	58



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/04/2023 16:30	4.8	290	13	7	0	32.6	60
04/04/2023 16:40	5.1	286	8	6.8	0	32.5	60
04/04/2023 16:50	5.8	282	9	7.2	0	32.1	61
04/04/2023 17:00	5.7	290	8	7.3	0	31.8	62
04/04/2023 17:10	5.3	287	8	7.2	0	31.4	64
04/04/2023 17:20	5.5	290	8	7.3	0	31.5	64
04/04/2023 17:30	5.5	284	9	7.4	0	31.3	65
04/04/2023 17:40	5.7	289	6	7.3	0	31	66
04/04/2023 17:50	5.3	290	8	7.1	0	30.8	66
04/04/2023 18:00	5.8	294	6	7.5	0	30.7	67
04/04/2023 18:10	5.6	293	7	7.3	0	30.5	69
04/04/2023 18:20	5.3	289	8	7.5	0	30.3	69
04/04/2023 18:30	5.8	288	7	7.4	0	30.2	70
04/04/2023 18:40	5.5	288	8	7.4	0	30.1	71
04/04/2023 18:50	4.3	285	10	6.2	0	30.1	71
04/04/2023 19:00	4.4	281	9	6.6	0	30	69
04/04/2023 19:10	4.9	287	10	6.8	0	30.1	70
04/04/2023 19:20	5.1	291	8	6.9	0	30	70
04/04/2023 19:30	4.8	278	7	6.4	0	30	71
04/04/2023 19:40	4.8	280	7	6.6	0	29.9	71
04/04/2023 19:50	5.1	277	6	6.6	0	29.9	72
04/04/2023 20:00	4.4	283	9	6.1	0	29.8	72
04/04/2023 20:10	4.7	278	8	6.6	0	29.8	73
04/04/2023 20:20	4.3	281	9	6.2	0	29.7	73
04/04/2023 20:30	4.6	282	8	6	0	29.7	73
04/04/2023 20:40	4	279	7	5.8	0	29.7	73
04/04/2023 20:50	4.4	275	7	6	0	29.7	74
04/04/2023 21:00	5.3	278	7	6.9	0	29.7	74
04/04/2023 21:10	4.4	272	7	6.3	0	29.6	74
04/04/2023 21:20	4.5	278	7	6.2	0	29.6	74
04/04/2023 21:30	4.9	273	6	6.3	0	29.6	74
04/04/2023 21:40	5	275	6	6.8	0	29.6	74
04/04/2023 21:50	4.9	279	6	6.7	0	29.6	74
04/04/2023 22:00	4.3	273	8	6.3	0	29.6	74
04/04/2023 22:10	5.1	273	7	6.9	0	29.5	74
04/04/2023 22:20	4.3	267	6	6.4	0	29.6	74
04/04/2023 22:30	4.8	268	6	6.7	0	29.5	74
04/04/2023 22:40	4.8	266	6	6.4	0	29.6	73
04/04/2023 22:50	5.2	264	7	7.4	0	29.6	73
04/04/2023 23:00	5.2	265	6	6.6	0	29.7	73
04/04/2023 23:10	4.5	263	6	5.9	0	29.7	73
04/04/2023 23:20	4.5	257	7	6.1	0	29.6	73
04/04/2023 23:30	5.2	259	7	6.7	0	29.7	73
04/04/2023 23:40	4	253	9	5.6	0	29.7	74
04/04/2023 23:50	3.6	252	10	5.2	0	29.6	74
04/05/2023 00:00	3.2	253	10	4.7	0	29.4	74
04/05/2023 00:10	3.9	262	6	4.8	0	29.2	74
04/05/2023 00:20	3.8	261	6	4.7	0	29.1	74



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/05/2023 00:30	3.4	257	8	4.7	0	29.1	74
04/05/2023 00:40	3.3	263	6	4.3	0	29	74
04/05/2023 00:50	3.2	267	6	4.1	0	29	74
04/05/2023 01:00	3.1	263	6	4.1	0	29.1	74
04/05/2023 01:10	3.5	259	5	4.3	0	29	74
04/05/2023 01:20	3.6	261	6	4.7	0	29	74
04/05/2023 01:30	3.6	263	6	4.6	0	28.9	74
04/05/2023 01:40	3.8	264	6	5.3	0	29	74
04/05/2023 01:50	3.8	261	5	4.8	0	29	73
04/05/2023 02:00	3.9	262	5	4.8	0	29	74
04/05/2023 02:10	3.5	264	5	4.2	0	28.9	74
04/05/2023 02:20	3.5	260	5	4.5	0	28.9	74
04/05/2023 02:30	3.7	260	5	4.7	0	28.8	74
04/05/2023 02:40	3.7	260	6	4.8	0	28.8	74
04/05/2023 02:50	4.1	257	5	5.2	0	28.8	74
04/05/2023 03:00	4.3	258	6	5.7	0	28.7	74
04/05/2023 03:10	4.4	257	6	5.5	0	28.6	74
04/05/2023 03:20	4.3	258	8	5.2	0	28.6	74
04/05/2023 03:30	4.4	257	6	5.2	0	28.5	74
04/05/2023 03:40	4.1	256	8	5.6	0	28.5	74
04/05/2023 03:50	3.8	251	10	5.2	0	28.5	74
04/05/2023 04:00	3.2	253	10	5.2	0	28.6	74
04/05/2023 04:10	3.7	258	10	4.9	0	28.4	75
04/05/2023 04:20	3.5	261	8	4.7	0	28.2	74
04/05/2023 04:30	3.6	263	7	4.7	0	28.2	74
04/05/2023 04:40	3.6	264	5	4.8	0	28.2	74
04/05/2023 04:50	3.6	261	7	4.7	0	28.2	74
04/05/2023 05:00	3.8	263	7	4.8	0	28.3	75
04/05/2023 05:10	3.7	260	8	4.7	0	28.2	75
04/05/2023 05:20	3.8	257	8	4.9	0	28.2	75
04/05/2023 05:30	3.2	256	9	4.5	0	28.1	74
04/05/2023 05:40	3.2	254	12	4.5	0	28.2	73
04/05/2023 05:50	3.1	257	10	4.4	0	28.2	73
04/05/2023 06:00	3.4	265	9	4.5	0	28.2	74
04/05/2023 06:10	3.4	266	6	4.3	0	28	75
04/05/2023 06:20	3.6	261	5	4.6	0	28	75
04/05/2023 06:30	3.2	263	6	4.2	0	28	75
04/05/2023 06:40	2.9	265	6	4	0	27.9	75
04/05/2023 06:50	2.6	259	10	3.3	0	27.9	74
04/05/2023 07:00	2.8	255	12	3.9	0	28.1	74
04/05/2023 07:10	2.6	254	15	4	0	28.2	74
04/05/2023 07:20	2.4	267	13	3.1	0	28.4	74
04/05/2023 07:30	2.7	260	9	4	0	28.6	74
04/05/2023 07:40	2.8	248	15	4.3	0	29.1	72
04/05/2023 07:50	3.2	255	12	4.9	0	29.5	71
04/05/2023 08:00	3.1	261	9	4.1	0	29.5	71
04/05/2023 08:10	3.3	258	13	4.5	0	29.6	70
04/05/2023 08:20	3.3	235	7	4.3	0	29.7	68



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/05/2023 08:30	3.4	243	11	4.8	0	29.8	68
04/05/2023 08:40	3.3	251	16	4.7	0	30	67
04/05/2023 08:50	3.1	258	12	4.2	0	30	66
04/05/2023 09:00	2.7	244	18	4	0	30.4	65
04/05/2023 09:10	2.9	253	15	4	0	30.8	64
04/05/2023 09:20	3.2	264	15	4.8	0	30.9	64
04/05/2023 09:30	3.2	258	14	4.5	0	31.3	62
04/05/2023 09:40	3.4	277	9	4.6	0	31.5	60
04/05/2023 09:50	3.3	277	11	4.7	0	32	58
04/05/2023 10:00	3.3	284	15	4.9	0	32.3	57
04/05/2023 10:10	3.4	281	12	4.7	0	32.6	56
04/05/2023 10:20	2.8	293	15	4.1	0	32.4	56
04/05/2023 10:30	3.1	292	18	4.6	0	32.5	58
04/05/2023 10:40	2.7	275	19	4.5	0	32.6	57
04/05/2023 10:50	3.2	278	13	4.8	0	32.9	56
04/05/2023 11:00	2.5	285	18	4.3	0	32.9	55
04/05/2023 11:10	2.9	287	13	4.2	0	33.2	55
04/05/2023 11:20	2.9	276	25	4.2	0	33.5	53
04/05/2023 11:30	2.7	271	14	4.6	0	33.7	51
04/05/2023 11:40	3.2	284	19	4.7	0	33.8	51
04/05/2023 11:50	4.5	271	13	6.3	0	33.7	53
04/05/2023 12:00	4.4	283	13	5.9	0	33.5	52
04/05/2023 12:10	3.9	286	17	5.4	0	33.7	51
04/05/2023 12:20	3.8	290	16	5.5	0	34.1	49
04/05/2023 12:30	3.8	310	10	5.2	0	34	47
04/05/2023 12:40	3.9	323	14	5.7	0	34	48
04/05/2023 12:50	3.9	326	12	5.3	0	33.8	50
04/05/2023 13:00	3.8	322	16	5.7	0	33.9	51
04/05/2023 13:10	3.8	334	15	5.9	0	33.8	53
04/05/2023 13:20	4.2	332	13	6.3	0	33.7	54
04/05/2023 13:30	4.3	344	14	7	0	33.7	55
04/05/2023 13:40	5.3	330	9	6.8	0	33.4	55
04/05/2023 13:50	5.2	330	10	6.8	0	33.6	51
04/05/2023 14:00	5.3	332	9	7.3	0	33.6	48
04/05/2023 14:10	4.8	336	9	6.7	0	33.9	46
04/05/2023 14:20	5.4	330	11	6.9	0	33.5	52
04/05/2023 14:30	5.5	332	9	7.3	0	33.4	52
04/05/2023 14:40	5.1	327	9	7.1	0	33.7	51
04/05/2023 14:50	5.1	332	9	7.2	0	33.6	51
04/05/2023 15:00	5.3	335	13	6.9	0	33.6	51
04/05/2023 15:10	5.2	333	11	7.4	0	33.7	51
04/05/2023 15:20	5.3	328	12	7.3	0	33.5	52
04/05/2023 15:30	5.9	327	10	7.7	0	32.9	53
04/05/2023 15:40	5.6	328	10	8	0	33.1	54
04/05/2023 15:50	5.5	320	15	8.1	0	33.1	56
04/05/2023 16:00	5.3	309	14	8.9	0	33	56
04/05/2023 16:10	5.8	314	10	8	0	32.4	63
04/05/2023 16:20	6.1	311	6	8	0	32.1	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/05/2023 16:30	5.5	306	10	7.7	0	32.1	62
04/05/2023 16:40	5.1	311	10	7.3	0	32	62
04/05/2023 16:50	4.5	307	12	6.8	0	32	61
04/05/2023 17:00	4.2	308	13	6.5	0	32.2	62
04/05/2023 17:10	4.9	294	12	7.1	0	32.3	63
04/05/2023 17:20	5.9	290	9	7.8	0	31.8	64
04/05/2023 17:30	5.6	286	9	7.8	0	31.7	64
04/05/2023 17:40	5.8	291	7	7.6	0	31.6	61
04/05/2023 17:50	5.2	291	9	7	0	31.5	63
04/05/2023 18:00	5.1	292	8	7.4	0	31.2	64
04/05/2023 18:10	5.4	285	9	7.7	0	31	63
04/05/2023 18:20	6.1	282	7	7.7	0	31	63
04/05/2023 18:30	5.9	277	8	7.8	0	30.9	64
04/05/2023 18:40	6	277	8	8.1	0	30.8	64
04/05/2023 18:50	5.7	282	9	8	0	30.7	65
04/05/2023 19:00	6.1	274	6	8	0	30.6	66
04/05/2023 19:10	6.4	278	7	8.3	0	30.5	65
04/05/2023 19:20	5.3	280	9	7.4	0	30.4	66
04/05/2023 19:30	6.1	280	8	7.8	0	30.4	66
04/05/2023 19:40	5	282	8	7	0	30.3	68
04/05/2023 19:50	4.7	282	8	6.8	0	30.2	69
04/05/2023 20:00	5.4	274	7	8	0	30.1	69
04/05/2023 20:10	5.9	280	8	7.7	0	30.1	68
04/05/2023 20:20	5.4	284	8	7.5	0	30.1	68
04/05/2023 20:30	5	286	7	7	0	30	69
04/05/2023 20:40	5.2	281	9	7.5	0	30	70
04/05/2023 20:50	5.6	277	6	8.1	0	30	70
04/05/2023 21:00	6	279	7	8.1	0	30	70
04/05/2023 21:10	6.4	273	8	8.4	0	30	70
04/05/2023 21:20	6.4	274	7	9.1	0	30	69
04/05/2023 21:30	5.6	269	7	7.7	0	30.1	69
04/05/2023 21:40	5.8	271	7	7.6	0	30.1	70
04/05/2023 21:50	6.1	264	7	8.4	0	30	71
04/05/2023 22:00	6.9	262	6	9.1	0	29.9	70
04/05/2023 22:10	6.6	264	6	9.2	0	30	70
04/05/2023 22:20	6.6	262	7	8.9	0	29.9	71
04/05/2023 22:30	5.9	261	7	7.5	0	29.8	72
04/05/2023 22:40	5.5	260	7	7.4	0	29.7	73
04/05/2023 22:50	5.8	261	7	7.4	0	29.6	73
04/05/2023 23:00	6.2	257	7	8.5	0	29.6	73
04/05/2023 23:10	5.8	256	7	8.2	0	29.5	73
04/05/2023 23:20	5.4	255	7	7.7	0	29.4	72
04/05/2023 23:30	5.3	254	8	7.2	0	29.4	72
04/05/2023 23:40	4.9	254	8	7	0	29.5	72
04/05/2023 23:50	4.4	255	8	6	0	29.3	73
04/06/2023 00:00	4.2	256	8	5.4	0	29.1	74
04/06/2023 00:10	3.7	252	11	5.2	0	29	74
04/06/2023 00:20	3.8	257	7	5	0	28.9	74



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/06/2023 00:30	4	261	5	5	0	28.8	74
04/06/2023 00:40	4.4	259	5	5.3	0	28.7	75
04/06/2023 00:50	4.7	258	6	6.1	0	28.6	74
04/06/2023 01:00	5.1	254	9	7.6	0	28.7	73
04/06/2023 01:10	5.4	255	8	7.8	0	28.7	73
04/06/2023 01:20	5.3	257	6	7.2	0	28.6	74
04/06/2023 01:30	5.5	256	6	6.9	0	28.5	74
04/06/2023 01:40	5.3	254	8	7.7	0	28.5	74
04/06/2023 01:50	4.7	255	8	6.3	0	28.4	74
04/06/2023 02:00	4.8	256	6	6.4	0	28.3	75
04/06/2023 02:10	4.9	257	6	6.3	0	28.2	75
04/06/2023 02:20	5	259	6	6.2	0	28.2	75
04/06/2023 02:30	4.9	257	6	6.2	0	28.1	75
04/06/2023 02:40	4.8	257	6	5.9	0	28.1	75
04/06/2023 02:50	5.1	259	5	6.4	0	27.9	75
04/06/2023 03:00	5	259	5	6.3	0	27.9	75
04/06/2023 03:10	5.1	259	5	6.7	0	27.8	74
04/06/2023 03:20	5	260	6	6.2	0	27.8	72
04/06/2023 03:30	5	258	6	6.4	0	27.8	71
04/06/2023 03:40	5.1	260	7	6.8	0	27.8	71
04/06/2023 03:50	4.9	262	5	6.3	0	27.7	70
04/06/2023 04:00	4.8	264	7	6.2	0	27.7	70
04/06/2023 04:10	4.8	266	7	6	0	27.6	70
04/06/2023 04:20	4.5	267	6	6	0	27.5	70
04/06/2023 04:30	4.2	264	7	5.4	0	27.4	70
04/06/2023 04:40	4.5	267	6	5.7	0	27.3	70
04/06/2023 04:50	4.7	266	7	5.9	0	27.3	70
04/06/2023 05:00	4.4	266	7	5.6	0	27.2	71
04/06/2023 05:10	4.4	263	6	5.6	0	27.1	71
04/06/2023 05:20	4.5	260	6	5.9	0	27.2	71
04/06/2023 05:30	4.4	260	5	5.4	0	27.1	71
04/06/2023 05:40	4.4	263	5	5.5	0	27	71
04/06/2023 05:50	4.5	263	7	5.8	0	27	71
04/06/2023 06:00	4.4	263	4	5.5	0	26.9	71
04/06/2023 06:10	4.8	263	4	5.6	0	26.9	71
04/06/2023 06:20	3.9	262	6	5	0	26.8	71
04/06/2023 06:30	3.4	265	5	4.4	0	26.7	72
04/06/2023 06:40	3.3	270	5	4	0	26.8	72
04/06/2023 06:50	3.3	272	5	4.1	0	26.9	72
04/06/2023 07:00	3.4	267	5	4.3	0	27.1	72
04/06/2023 07:10	3.5	260	6	4.4	0	27.3	72
04/06/2023 07:20	3.4	260	6	4.3	0	27.5	71
04/06/2023 07:30	3.2	264	6	4	0	27.7	70
04/06/2023 07:40	2.6	266	8	3.3	0	28.1	69
04/06/2023 07:50	3	263	8	4.1	0	28.5	67
04/06/2023 08:00	3	259	9	3.8	0	28.7	66
04/06/2023 08:10	2.6	268	11	3.5	0	29.1	64
04/06/2023 08:20	2.1	267	14	3.1	0	29.4	63





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/06/2023 08:30	1.3	248	37	2.1	0	29.8	62
04/06/2023 08:40	1.6	181	17	2.4	0	30.4	58
04/06/2023 08:50	1.5	184	18	2.4	0	30.7	56
04/06/2023 09:00	1.6	189	26	2.6	0	31.1	54
04/06/2023 09:10	1.8	191	15	2.6	0	31.4	52
04/06/2023 09:20	1.6	174	19	2.4	0	31.9	51
04/06/2023 09:30	1.5	175	23	2.4	0	32	51
04/06/2023 09:40	1.4	181	30	2.5	0	32.2	52
04/06/2023 09:50	1.2	215	54	2.8	0	32.9	51
04/06/2023 10:00	1.7	166	42	2.9	0	33.3	51
04/06/2023 10:10	2.4	113	19	3.8	0	33.6	49
04/06/2023 10:20	2.3	116	26	3.6	0	33.5	50
04/06/2023 10:30	2.4	112	23	3.6	0	34	49
04/06/2023 10:40	2.3	120	20	3.9	0	33.6	50
04/06/2023 10:50	2	123	26	3.7	0	33.8	50
04/06/2023 11:00	1.9	124	24	3.1	0	33.8	50
04/06/2023 11:10	1.4	130	51	2.8	0	34	49
04/06/2023 11:20	2.3	260	27	3.8	0	33.7	53
04/06/2023 11:30	3	271	13	4.6	0	33.4	54
04/06/2023 11:40	2.6	269	18	4.1	0	33.5	53
04/06/2023 11:50	3	291	17	5.1	0	33.7	52
04/06/2023 12:00	2.8	277	17	4.5	0	33.9	52
04/06/2023 12:10	3	289	21	4.4	0	34.2	52
04/06/2023 12:20	3	292	21	5.2	0	34.3	52
04/06/2023 12:30	3.3	305	25	5.2	0	34.4	51
04/06/2023 12:40	3.2	318	18	5.2	0	34.1	50
04/06/2023 12:50	3.2	326	13	4.7	0	34.1	50
04/06/2023 13:00	3.6	289	13	5.3	0	34.6	47
04/06/2023 13:10	3.8	290	16	5.1	0	34.6	48
04/06/2023 13:20	3.5	295	14	5.3	0	34.7	49
04/06/2023 13:30	4.2	278	14	5.7	0	34.3	50
04/06/2023 13:40	4.2	274	9	5.5	0	34.7	45
04/06/2023 13:50	4.4	271	10	5.8	0	34.7	45
04/06/2023 14:00	4.3	267	13	5.9	0	34.9	44
04/06/2023 14:10	4.6	267	9	6.1	0	34.8	43
04/06/2023 14:20	5.1	272	10	7.2	0	34.5	47
04/06/2023 14:30	5.3	267	9	6.8	0	34.4	46
04/06/2023 14:40	5.9	268	8	7.6	0	34.3	46
04/06/2023 14:50	5.9	269	6	8.1	0	34.1	47
04/06/2023 15:00	5.6	276	9	7.9	0	34.2	49
04/06/2023 15:10	6.4	271	8	8.5	0	33.8	52
04/06/2023 15:20	6.4	271	7	8.6	0	33.5	55
04/06/2023 15:30	6.6	272	8	8.8	0	33.4	56
04/06/2023 15:40	6.8	272	8	9	0	33.3	56
04/06/2023 15:50	6.6	272	6	8.9	0	33.4	56
04/06/2023 16:00	6.3	267	9	8.8	0	33.5	56
04/06/2023 16:10	6.6	268	9	9.3	0	33.2	58
04/06/2023 16:20	7.3	266	7	9.6	0	32.7	60



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/06/2023 16:30	7	268	8	9.5	0	32.5	62
04/06/2023 16:40	8.1	266	7	10.5	0	32.1	62
04/06/2023 16:50	8.6	268	6	10.7	0	31.9	62
04/06/2023 17:00	8.4	269	7	11.3	0	31.7	63
04/06/2023 17:10	7.9	270	7	10.5	0	31.6	63
04/06/2023 17:20	8.2	273	7	10.2	0	31.4	63
04/06/2023 17:30	7.6	273	7	10.2	0	31.3	62
04/06/2023 17:40	8	275	5	10.2	0	31.1	64
04/06/2023 17:50	7.9	274	8	10.4	0	30.8	65
04/06/2023 18:00	7.2	272	7	9.6	0	30.7	66
04/06/2023 18:10	7.3	269	7	9.9	0	30.4	66
04/06/2023 18:20	7	276	7	9.6	0	30.3	67
04/06/2023 18:30	6.7	276	7	9.6	0	30.3	67
04/06/2023 18:40	6.7	272	7	9.2	0	30.2	67
04/06/2023 18:50	6.8	274	6	9.4	0	30.2	65
04/06/2023 19:00	6.5	270	8	9.2	0	30.3	65
04/06/2023 19:10	6.1	269	7	8.2	0	30.3	64
04/06/2023 19:20	6.3	264	8	8.2	0	30.3	65
04/06/2023 19:30	6.5	260	8	9.2	0	30.2	66
04/06/2023 19:40	6.9	262	8	9.2	0	30.1	67
04/06/2023 19:50	7.7	263	6	10.2	0	30	68
04/06/2023 20:00	7.1	263	7	9	0	30	67
04/06/2023 20:10	5.7	259	9	8.1	0	29.8	69
04/06/2023 20:20	6.1	257	7	8.3	0	29.7	70
04/06/2023 20:30	6	255	8	8.5	0	29.7	70
04/06/2023 20:40	5.9	258	8	7.7	0	29.6	71
04/06/2023 20:50	5.7	259	7	7.6	0	29.5	71
04/06/2023 21:00	5.6	259	7	7.1	0	29.5	71
04/06/2023 21:10	5	260	7	6.9	0	29.4	71
04/06/2023 21:20	4.4	259	6	6	0	29.2	73
04/06/2023 21:30	4.8	253	8	6.7	0	29.1	73
04/06/2023 21:40	4.9	255	8	6.8	0	29	73
04/06/2023 21:50	5	257	7	7	0	28.8	74
04/06/2023 22:00	4.8	258	6	6.2	0	28.7	74
04/06/2023 22:10	4.7	257	6	6.1	0	28.6	74
04/06/2023 22:20	4.9	260	6	5.9	0	28.5	74
04/06/2023 22:30	4.6	259	5	6	0	28.5	74
04/06/2023 22:40	4.5	259	5	5.6	0	28.5	74
04/06/2023 22:50	4.5	258	5	5.6	0	28.5	74
04/06/2023 23:00	4.1	259	6	4.8	0	28.5	74
04/06/2023 23:10	3.6	262	6	4.7	0	28.4	74
04/06/2023 23:20	3.1	261	6	4	0	28.4	75
04/06/2023 23:30	3.5	260	5	4.2	0	28.4	75
04/06/2023 23:40	3.4	257	6	4.3	0	28.3	75
04/06/2023 23:50	3.5	255	8	4.9	0	28.2	75
04/07/2023 00:00	4	257	7	5.5	0	28.2	75
04/07/2023 00:10	4.5	260	6	5.7	0	28.2	75
04/07/2023 00:20	4.5	260	5	5.6	0	28.3	74



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/07/2023 00:30	4	251	9	5.2	0	28.3	74
04/07/2023 00:40	4	253	8	5.5	0	28.4	74
04/07/2023 00:50	4.1	256	6	5.2	0	28.2	75
04/07/2023 01:00	3.9	253	8	5.2	0	28.2	75
04/07/2023 01:10	3.8	251	9	5.3	0	28.2	75
04/07/2023 01:20	4.1	255	8	5.4	0	28	75
04/07/2023 01:30	3.7	252	10	4.8	0	27.9	75
04/07/2023 01:40	4.4	258	6	5.4	0	27.7	75
04/07/2023 01:50	4.7	258	6	6	0	27.6	75
04/07/2023 02:00	4.8	259	7	5.9	0	27.6	75
04/07/2023 02:10	4.7	258	7	6	0	27.6	75
04/07/2023 02:20	4.4	258	6	5.7	0	27.6	74
04/07/2023 02:30	3.9	260	6	4.8	0	27.5	73
04/07/2023 02:40	4	257	7	4.9	0	27.5	74
04/07/2023 02:50	3.3	255	10	4.6	0	27.4	74
04/07/2023 03:00	3.9	264	5	4.7	0	27.3	74
04/07/2023 03:10	3.7	265	7	4.7	0	27.4	74
04/07/2023 03:20	4.1	265	7	5.1	0	27.4	73
04/07/2023 03:30	3.9	264	7	5.2	0	27.4	73
04/07/2023 03:40	4.2	262	5	5.2	0	27.3	73
04/07/2023 03:50	4.5	263	5	5.6	0	27.2	73
04/07/2023 04:00	4.7	265	5	6	0	27.1	73
04/07/2023 04:10	4.8	266	6	6	0	27	73
04/07/2023 04:20	4.7	268	6	6.1	0	26.9	74
04/07/2023 04:30	4	261	5	5.1	0	26.7	74
04/07/2023 04:40	3.6	260	6	4.6	0	26.6	74
04/07/2023 04:50	2.8	266	6	3.5	0	26.4	75
04/07/2023 05:00	2.7	262	5	3.6	0	26.3	75
04/07/2023 05:10	3	266	5	3.7	0	26.3	75
04/07/2023 05:20	2.9	267	5	3.6	0	26.2	76
04/07/2023 05:30	2.5	264	6	3.4	0	26.2	76
04/07/2023 05:40	2.8	264	6	3.6	0	26.2	76
04/07/2023 05:50	2.6	267	6	3.2	0	26.1	76
04/07/2023 06:00	2.6	275	5	3.4	0	26	76
04/07/2023 06:10	2.6	274	6	3.2	0	26.1	76
04/07/2023 06:20	2.9	274	5	3.5	0	26.1	75
04/07/2023 06:30	2.7	274	6	3.5	0	26.1	75
04/07/2023 06:40	2.6	277	7	3.5	0	26.1	75
04/07/2023 06:50	2.8	278	6	3.5	0	26.3	75
04/07/2023 07:00	2.6	273	6	3.5	0	26.5	74
04/07/2023 07:10	2.6	277	7	3.9	0	26.8	73
04/07/2023 07:20	3.8	271	5	4.7	0	27.2	72
04/07/2023 07:30	3.6	271	6	4.5	0	27.5	70
04/07/2023 07:40	3.5	273	5	4.4	0	27.8	69
04/07/2023 07:50	3.5	269	7	4.5	0	28.1	67
04/07/2023 08:00	3.4	267	8	4.4	0	28.6	63
04/07/2023 08:10	3.5	268	7	4.5	0	29.2	60
04/07/2023 08:20	2.9	264	10	4	0	29.7	57



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/07/2023 08:30	3.1	260	11	4.3	0	30.1	55
04/07/2023 08:40	3.1	250	12	4.6	0	30.6	50
04/07/2023 08:50	3.1	250	13	4.6	0	31	47
04/07/2023 09:00	2.5	248	13	3.7	0	31.6	47
04/07/2023 09:10	3.3	246	15	4.9	0	31.9	45
04/07/2023 09:20	3.7	239	12	5.3	0	32.1	45
04/07/2023 09:30	4.3	239	11	6.1	0	32.3	45
04/07/2023 09:40	4.2	236	14	5.8	0	32.4	45
04/07/2023 09:50	4.7	251	8	6.3	0	32.5	45
04/07/2023 10:00	4	276	15	5.6	0	32.3	49
04/07/2023 10:10	4.2	276	10	6.1	0	32.4	50
04/07/2023 10:20	5	279	9	6.3	0	32.3	51
04/07/2023 10:30	4.7	287	11	6.4	0	32.3	52
04/07/2023 10:40	5	284	9	6.7	0	32.6	50
04/07/2023 10:50	5	286	9	6.4	0	32.3	50
04/07/2023 11:00	4.7	284	8	5.9	0	32.7	50
04/07/2023 11:10	4.5	288	9	5.9	0	33	51
04/07/2023 11:20	4.9	281	11	6.4	0	32.8	53
04/07/2023 11:30	5	289	12	6.6	0	32.8	52
04/07/2023 11:40	5	277	9	6.9	0	32.8	53
04/07/2023 11:50	4.8	276	9	6.3	0	32.8	50
04/07/2023 12:00	4.8	273	10	6.7	0	33.2	49
04/07/2023 12:10	5	274	11	6.3	0	33.3	49
04/07/2023 12:20	5.9	271	8	7.6	0	33.1	48
04/07/2023 12:30	5.8	278	8	7.6	0	33.1	48
04/07/2023 12:40	5.4	277	9	6.9	0	33.1	47
04/07/2023 12:50	5.8	276	6	7.2	0	33.1	46
04/07/2023 13:00	6.1	276	7	7.9	0	33.3	46
04/07/2023 13:10	6.3	276	7	7.9	0	33.3	45
04/07/2023 13:20	7	276	6	8.5	0	33.4	46
04/07/2023 13:30	7.4	277	5	8.9	0	33.1	47
04/07/2023 13:40	7	268	7	8.7	0	33.2	49
04/07/2023 13:50	7.7	269	7	9.9	0	33	53
04/07/2023 14:00	6.6	273	9	9	0	33.3	54
04/07/2023 14:10	8	276	8	10.9	0	32.7	55
04/07/2023 14:20	7.8	271	8	10.3	0	32.2	56
04/07/2023 14:30	7.6	275	10	9.7	0	32.3	58
04/07/2023 14:40	7.8	275	6	9.7	0	32.1	58
04/07/2023 14:50	7.6	277	7	9.6	0	32.1	60
04/07/2023 15:00	7.6	280	6	9	0	31.9	61
04/07/2023 15:10	6.5	272	10	8.6	0	32.4	60
04/07/2023 15:20	6.9	272	9	9.2	0	32.4	59
04/07/2023 15:30	7.4	278	8	9.5	0	31.8	61
04/07/2023 15:40	6.6	277	8	8.7	0	32.1	62
04/07/2023 15:50	6.6	278	10	9.3	0	32.2	62
04/07/2023 16:00	6.4	276	8	8.6	0	32.1	62
04/07/2023 16:10	6.7	271	7	9	0	31.9	63
04/07/2023 16:20	6.8	273	8	8.9	0	31.8	62



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/07/2023 16:30	7.5	270	8	10.1	0	31.7	62
04/07/2023 16:40	7.3	272	8	9.9	0	31.6	63
04/07/2023 16:50	6.9	278	8	9.1	0	31.5	62
04/07/2023 17:00	7.2	270	8	9.6	0	31.3	63
04/07/2023 17:10	6.7	274	9	9	0	31.3	63
04/07/2023 17:20	6.9	273	7	9.5	0	31.1	65
04/07/2023 17:30	6.7	276	7	8.8	0	30.9	66
04/07/2023 17:40	6.8	276	7	9.1	0	30.7	66
04/07/2023 17:50	7	271	7	10.1	0	30.5	66
04/07/2023 18:00	7	271	7	9.4	0	30.2	67
04/07/2023 18:10	6.7	272	6	9.5	0	30	68
04/07/2023 18:20	6.6	267	7	8.7	0	29.9	68
04/07/2023 18:30	6.2	270	8	8.6	0	29.9	68
04/07/2023 18:40	6.5	267	7	8.9	0	29.8	69
04/07/2023 18:50	6	268	8	8.1	0	29.8	69
04/07/2023 19:00	5.9	262	7	8.5	0	29.8	68
04/07/2023 19:10	5.3	266	6	7.3	0	29.8	68
04/07/2023 19:20	6.2	266	6	8.2	0	29.9	67
04/07/2023 19:30	7	267	5	8.5	0	29.9	66
04/07/2023 19:40	6	264	6	7.8	0	29.9	67
04/07/2023 19:50	5.8	266	6	7.7	0	29.8	69
04/07/2023 20:00	5.8	264	7	7.9	0	29.7	68
04/07/2023 20:10	5.7	267	6	7.5	0	29.7	68
04/07/2023 20:20	5.4	269	6	6.9	0	29.7	69
04/07/2023 20:30	5	266	7	6.6	0	29.7	70
04/07/2023 20:40	5.3	268	6	6.6	0	29.6	70
04/07/2023 20:50	5.3	268	6	7.1	0	29.6	71
04/07/2023 21:00	5.6	268	6	7.8	0	29.6	72
04/07/2023 21:10	5.6	264	5	7.2	0	29.5	72
04/07/2023 21:20	5.2	266	6	7.4	0	29.5	72
04/07/2023 21:30	5.2	265	8	7	0	29.5	72
04/07/2023 21:40	6.2	266	7	8.1	0	29.5	71
04/07/2023 21:50	6.2	267	7	7.8	0	29.5	71
04/07/2023 22:00	6.3	268	5	7.8	0	29.5	71
04/07/2023 22:10	5.7	265	5	7.7	0	29.5	72
04/07/2023 22:20	5.5	264	7	7.6	0	29.5	72
04/07/2023 22:30	5.7	264	6	7.4	0	29.5	72
04/07/2023 22:40	5.4	265	6	6.9	0	29.5	71
04/07/2023 22:50	5.6	262	8	7.5	0	29.5	71
04/07/2023 23:00	5.9	266	6	8	0	29.6	71
04/07/2023 23:10	5.7	267	7	7.2	0	29.5	71
04/07/2023 23:20	5.1	264	6	6.4	0	29.6	72
04/07/2023 23:30	4.2	264	7	5.9	0	29.4	73
04/07/2023 23:40	4.7	265	6	6	0	29.3	71
04/07/2023 23:50	4.6	264	5	6.3	0	29.4	68
04/08/2023 00:00	4.3	264	6	5.7	0	29.4	67
04/08/2023 00:10	3.5	263	6	4.7	0	29.2	65
04/08/2023 00:20	3.1	264	7	4.3	0	28.9	64



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/08/2023 00:30	3.5	263	7	4.6	0	28.8	62
04/08/2023 00:40	3.2	264	5	3.9	0	28.5	63
04/08/2023 00:50	3.4	264	5	4.2	0	28.4	64
04/08/2023 01:00	2.9	265	5	3.5	0	28.1	64
04/08/2023 01:10	3.1	268	4	3.6	0	27.8	65
04/08/2023 01:20	3.3	270	5	4	0	27.8	63
04/08/2023 01:30	3.3	273	6	4.2	0	27.8	62
04/08/2023 01:40	3.5	272	5	4.2	0	27.8	61
04/08/2023 01:50	3.8	271	6	4.6	0	27.9	61
04/08/2023 02:00	4.3	274	5	5	0	27.9	61
04/08/2023 02:10	3.9	277	5	4.8	0	27.8	61
04/08/2023 02:20	4	280	4	5	0	27.7	60
04/08/2023 02:30	3.9	282	5	4.7	0	27.7	60
04/08/2023 02:40	4.2	276	4	5.1	0	27.7	59
04/08/2023 02:50	4	275	5	4.8	0	27.6	60
04/08/2023 03:00	3.8	274	5	4.5	0	27.4	61
04/08/2023 03:10	3.8	277	4	4.3	0	27.4	60
04/08/2023 03:20	3.8	279	5	4.7	0	27.3	60
04/08/2023 03:30	3.9	277	4	4.7	0	27.3	58
04/08/2023 03:40	3.7	279	5	4.4	0	27.3	58
04/08/2023 03:50	3.4	283	4	3.9	0	27.2	58
04/08/2023 04:00	3.6	281	4	4.2	0	27.3	57
04/08/2023 04:10	3.2	279	5	3.9	0	27.1	57
04/08/2023 04:20	3.1	283	7	4.2	0	27.1	58
04/08/2023 04:30	3.3	280	5	4.1	0	27.1	58
04/08/2023 04:40	2.6	277	9	3.6	0	27.1	58
04/08/2023 04:50	2.2	267	17	3.4	0	27	58
04/08/2023 05:00	1.4	266	20	2.5	0	27.1	57
04/08/2023 05:10	2.7	277	7	3.4	0	27.1	56
04/08/2023 05:20	2.8	275	8	3.8	0	27.2	55
04/08/2023 05:30	2.8	272	8	3.5	0	27.2	55
04/08/2023 05:40	2.7	273	7	3.6	0	27.2	54
04/08/2023 05:50	2.6	263	10	3.3	0	27	56
04/08/2023 06:00	1.8	264	15	2.5	0	26.9	56
04/08/2023 06:10	1.5	255	17	2.3	0	27	55
04/08/2023 06:20	3.1	260	7	4.3	0	26.8	56
04/08/2023 06:30	2.9	264	8	4	0	26.6	56
04/08/2023 06:40	1.7	249	17	2.6	0	26.7	57
04/08/2023 06:50	1.5	263	32	2.8	0	27	56
04/08/2023 07:00	1.9	249	28	3.4	0	27.5	54
04/08/2023 07:10	1.5	262	21	2.3	0	27.6	54
04/08/2023 07:20	1.7	273	13	2.8	0	27.9	54
04/08/2023 07:30	2.2	277	8	2.9	0	28.1	54
04/08/2023 07:40	1.6	280	13	2.4	0	28.5	52
04/08/2023 07:50	1.7	265	15	2.7	0	29	50
04/08/2023 08:00	2.8	265	9	3.7	0	29.3	50
04/08/2023 08:10	2.9	274	11	4.1	0	29.5	50
04/08/2023 08:20	2.5	256	13	3.3	0	29.8	49



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/08/2023 08:30	2.3	257	14	3.4	0	30.2	48
04/08/2023 08:40	2.2	251	16	3.2	0	30.6	45
04/08/2023 08:50	1.8	230	34	2.6	0	31.1	42
04/08/2023 09:00	2.4	253	19	3.5	0	31.4	41
04/08/2023 09:10	2.2	243	16	3.8	0	31.9	41
04/08/2023 09:20	1.3	186	26	2.2	0	32.2	39
04/08/2023 09:30	0.7	190	59	1.8	0	33.2	36
04/08/2023 09:40	0.9	202	46	1.9	0	33.5	35
04/08/2023 09:50	1.3	233	48	2.7	0	33.9	34
04/08/2023 10:00	2	286	17	3.4	0	33.3	39
04/08/2023 10:10	2.3	274	20	3.7	0	33.2	40
04/08/2023 10:20	2.6	270	11	3.8	0	33.3	41
04/08/2023 10:30	3	274	11	4.3	0	33.2	43
04/08/2023 10:40	3.2	277	12	4.6	0	33.5	43
04/08/2023 10:50	4.2	278	10	5.2	0	32.8	45
04/08/2023 11:00	3.7	286	10	4.9	0	32.5	47
04/08/2023 11:10	3.3	275	12	4.6	0	33	43
04/08/2023 11:20	4	274	10	5	0	33	43
04/08/2023 11:30	4.1	285	9	5.5	0	32.8	44
04/08/2023 11:40	4.5	282	9	5.7	0	32.8	45
04/08/2023 11:50	4	272	14	5.5	0	32.9	45
04/08/2023 12:00	4	281	9	5.3	0	33.4	44
04/08/2023 12:10	3.9	283	9	5.4	0	32.8	45
04/08/2023 12:20	3.8	279	11	5	0	33	44
04/08/2023 12:30	4	277	9	5	0	33.3	42
04/08/2023 12:40	3.5	275	10	4.8	0	33.9	38
04/08/2023 12:50	3.7	275	11	4.9	0	34.2	36
04/08/2023 13:00	3.6	283	13	4.8	0	34.6	34
04/08/2023 13:10	3.7	280	12	4.9	0	34.6	34
04/08/2023 13:20	3.8	277	11	5.5	0	35.1	33
04/08/2023 13:30	4.3	277	11	6.1	0	34.7	34
04/08/2023 13:40	4.4	277	8	6.2	0	34.6	36
04/08/2023 13:50	4.6	268	9	6.2	0	34.7	36
04/08/2023 14:00	4.7	264	8	6.7	0	34.5	38
04/08/2023 14:10	4.8	272	11	6.4	0	34.6	39
04/08/2023 14:20	5.3	263	8	6.7	0	34.4	40
04/08/2023 14:30	5.3	268	6	6.6	0	34.3	39
04/08/2023 14:40	5.4	266	7	7.3	0	34.3	39
04/08/2023 14:50	5.6	268	10	7.3	0	34.3	39
04/08/2023 15:00	6.4	265	6	7.8	0	33.7	40
04/08/2023 15:10	6.5	265	7	8.1	0	33.5	43
04/08/2023 15:20	6.8	266	7	8.3	0	33.2	46
04/08/2023 15:30	6.6	267	8	8.4	0	32.9	49
04/08/2023 15:40	6.7	266	8	8.6	0	32.8	49
04/08/2023 15:50	7.6	267	7	9.3	0	32.2	52
04/08/2023 16:00	7.1	270	8	9.4	0	31.9	56
04/08/2023 16:10	7.1	273	8	8.7	0	31.7	57
04/08/2023 16:20	7.1	268	9	9.3	0	31.6	57



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/08/2023 16:30	6.8	274	8	9	0	31.7	58
04/08/2023 16:40	6.8	270	9	8.9	0	31.5	56
04/08/2023 16:50	6.6	271	8	8.9	0	31.4	55
04/08/2023 17:00	6.9	270	7	9.1	0	31.2	56
04/08/2023 17:10	6.4	274	7	8.4	0	31.1	58
04/08/2023 17:20	7.1	276	6	9.2	0	30.8	59
04/08/2023 17:30	6.4	271	9	8.1	0	30.8	60
04/08/2023 17:40	6.8	271	7	8.9	0	30.6	61
04/08/2023 17:50	6.1	274	6	8.1	0	30.5	61
04/08/2023 18:00	6.5	276	7	9.1	0	30.3	58
04/08/2023 18:10	6.4	274	6	8.5	0	30.2	57
04/08/2023 18:20	6.1	275	7	7.9	0	30.1	59
04/08/2023 18:30	6.2	276	6	8.1	0	30	59
04/08/2023 18:40	6	273	6	8.1	0	30	60
04/08/2023 18:50	5.6	275	7	8.1	0	29.9	61
04/08/2023 19:00	5.9	276	7	8	0	29.9	62
04/08/2023 19:10	5.8	276	6	7.7	0	29.8	63
04/08/2023 19:20	6.3	274	6	8.2	0	29.8	63
04/08/2023 19:30	6.3	273	7	8.3	0	29.7	64
04/08/2023 19:40	5.9	271	7	8.7	0	29.7	65
04/08/2023 19:50	6.3	269	8	8.3	0	29.6	66
04/08/2023 20:00	6	267	7	8.2	0	29.5	67
04/08/2023 20:10	5.8	270	8	7.6	0	29.4	67
04/08/2023 20:20	6.2	267	6	8.4	0	29.4	67
04/08/2023 20:30	6.3	263	7	8.2	0	29.3	67
04/08/2023 20:40	5.8	266	7	7.7	0	29.2	68
04/08/2023 20:50	6	265	7	8.2	0	29.1	67
04/08/2023 21:00	6.6	263	6	9.3	0	29.2	67
04/08/2023 21:10	6.4	265	7	8.2	0	29.1	68
04/08/2023 21:20	6.2	264	6	7.9	0	29	68
04/08/2023 21:30	6	260	6	8	0	29	67
04/08/2023 21:40	5.8	259	7	7.8	0	28.8	68
04/08/2023 21:50	6.1	263	8	8.3	0	28.7	71
04/08/2023 22:00	6.3	258	6	8.4	0	28.6	72
04/08/2023 22:10	6.2	259	7	8	0	28.5	72
04/08/2023 22:20	5.8	259	7	7.6	0	28.3	72
04/08/2023 22:30	6.2	257	7	8.4	0	28.4	71
04/08/2023 22:40	6	257	6	8.1	0	28.3	71
04/08/2023 22:50	5.5	258	6	7.3	0	28.3	71
04/08/2023 23:00	5.4	257	6	7.1	0	28.2	72
04/08/2023 23:10	5.2	261	6	7.3	0	28.1	71
04/08/2023 23:20	5	260	8	6.4	0	28.2	70
04/08/2023 23:30	5	260	7	6.7	0	28.2	69
04/08/2023 23:40	4.9	257	6	6.8	0	28.2	69
04/08/2023 23:50	4.6	256	6	6.1	0	28	71
04/09/2023 00:00	4.5	255	6	5.8	0	27.8	72
04/09/2023 00:10	4.2	257	6	5.4	0	27.6	73
04/09/2023 00:20	4.2	257	6	5	0	27.5	73





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/09/2023 00:30	4	257	6	5.2	0	27.4	74
04/09/2023 00:40	4	258	6	5.3	0	27.4	74
04/09/2023 00:50	4.4	258	6	5.5	0	27.4	73
04/09/2023 01:00	4.7	258	7	6.2	0	27.4	72
04/09/2023 01:10	4.5	256	5	5.5	0	27.4	72
04/09/2023 01:20	4.4	259	6	5.9	0	27.3	72
04/09/2023 01:30	4.6	259	6	6.2	0	27.4	72
04/09/2023 01:40	4.6	259	6	6.2	0	27.4	71
04/09/2023 01:50	5.1	256	6	6.4	0	27.4	69
04/09/2023 02:00	4.9	256	6	6.1	0	27.3	67
04/09/2023 02:10	4.9	258	5	6.5	0	27.3	64
04/09/2023 02:20	3.7	258	5	4.8	0	26.8	66
04/09/2023 02:30	3.9	262	5	4.7	0	26.7	63
04/09/2023 02:40	4.2	261	4	5.5	0	26.4	62
04/09/2023 02:50	5	265	4	6.4	0	26.5	59
04/09/2023 03:00	5.2	265	4	6.2	0	26.3	58
04/09/2023 03:10	4.7	265	4	6.2	0	26.1	59
04/09/2023 03:20	4.2	264	5	5.3	0	25.9	59
04/09/2023 03:30	4.3	263	5	5.6	0	25.8	60
04/09/2023 03:40	4.3	264	3	5.1	0	25.6	60
04/09/2023 03:50	3.5	267	4	4.4	0	25.4	62
04/09/2023 04:00	3.4	268	4	4.6	0	25.3	64
04/09/2023 04:10	3.9	269	4	5.1	0	25.3	64
04/09/2023 04:20	4.1	267	4	5	0	25.3	64
04/09/2023 04:30	4.4	266	4	5.4	0	25.3	63
04/09/2023 04:40	3.9	267	5	4.9	0	25.2	63
04/09/2023 04:50	3.8	265	5	5	0	25.2	63
04/09/2023 05:00	3.7	265	5	4.7	0	25.1	62
04/09/2023 05:10	2.7	267	6	4.1	0	24.9	62
04/09/2023 05:20	1.7	268	8	2.5	0	24.7	63
04/09/2023 05:30	2	272	6	2.6	0	24.5	63
04/09/2023 05:40	2.3	272	4	2.8	0	24.5	63
04/09/2023 05:50	2.5	273	5	3.1	0	24.5	62
04/09/2023 06:00	2.4	275	5	2.9	0	24.5	62
04/09/2023 06:10	2.7	273	4	3.3	0	24.4	62
04/09/2023 06:20	2.7	271	3	3.2	0	24.3	62
04/09/2023 06:30	2.7	267	3	3.4	0	24.3	61
04/09/2023 06:40	2.2	270	4	2.7	0	24.3	61
04/09/2023 06:50	1.9	277	5	2.3	0	24.4	62
04/09/2023 07:00	2.1	266	4	2.4	0	24.9	60
04/09/2023 07:10	2.1	264	5	2.4	0	25.2	61
04/09/2023 07:20	2.1	260	6	2.6	0	25.4	61
04/09/2023 07:30	2.4	252	6	3	0	25.6	62
04/09/2023 07:40	2.6	253	5	3.3	0	26	62
04/09/2023 07:50	3.1	254	5	3.8	0	26.5	60
04/09/2023 08:00	3.4	258	6	4.3	0	26.8	56
04/09/2023 08:10	3.7	260	7	4.7	0	27.3	53
04/09/2023 08:20	3.4	267	8	4.8	0	27.8	51



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/09/2023 08:30	3.2	273	6	4.2	0	27.9	50
04/09/2023 08:40	2.7	262	11	3.8	0	28.3	48
04/09/2023 08:50	2.8	262	9	3.4	0	28.8	46
04/09/2023 09:00	2.7	268	7	3.5	0	29.1	45
04/09/2023 09:10	2.9	277	10	4.2	0	29.4	45
04/09/2023 09:20	2.9	283	13	4.3	0	29.6	46
04/09/2023 09:30	2.9	284	14	3.8	0	30	46
04/09/2023 09:40	3.1	284	12	4.2	0	30.5	46
04/09/2023 09:50	3	295	12	4.1	0	30.4	46
04/09/2023 10:00	2.3	288	12	3.3	0	30.8	45
04/09/2023 10:10	2.8	288	11	3.9	0	31.3	43
04/09/2023 10:20	2.7	280	15	3.7	0	31.7	42
04/09/2023 10:30	2.1	268	16	3.2	0	32.4	39
04/09/2023 10:40	2.2	289	18	3.5	0	32.7	38
04/09/2023 10:50	2	303	15	3.2	0	33.1	36
04/09/2023 11:00	2.4	261	26	4.1	0	33.6	34
04/09/2023 11:10	2.5	262	24	4.1	0	33.6	30
04/09/2023 11:20	2.8	264	19	4.4	0	33.6	30
04/09/2023 11:30	2.9	284	14	4.4	0	33.8	30
04/09/2023 11:40	3.3	302	15	4.9	0	33.7	32
04/09/2023 11:50	4.1	279	10	5.7	0	33.5	31
04/09/2023 12:00	4.2	275	12	6.1	0	33.5	30
04/09/2023 12:10	4.4	279	15	6	0	33.7	30
04/09/2023 12:20	4.3	282	13	6	0	33.5	31
04/09/2023 12:30	4.2	285	13	5.7	0	33.6	31
04/09/2023 12:40	4.6	272	9	6	0	33.8	30
04/09/2023 12:50	4.8	271	11	6.5	0	33.7	29
04/09/2023 13:00	4.6	276	11	6.5	0	33.8	30
04/09/2023 13:10	4.8	276	15	6.4	0	34	31
04/09/2023 13:20	4.8	266	12	6.8	0	33.9	34
04/09/2023 13:30	5.1	276	10	7.1	0	33.9	32
04/09/2023 13:40	5.1	290	11	7.3	0	33.8	30
04/09/2023 13:50	5.8	269	11	7.4	0	33.8	32
04/09/2023 14:00	6	273	6	7.9	0	33.9	30
04/09/2023 14:10	5.9	273	7	8.3	0	33.7	30
04/09/2023 14:20	5.6	271	7	7.1	0	33.8	31
04/09/2023 14:30	5.7	269	10	7.3	0	33.7	33
04/09/2023 14:40	5.6	271	11	7.8	0	33.7	34
04/09/2023 14:50	5.9	265	9	7.8	0	33.6	35
04/09/2023 15:00	6.2	275	6	7.7	0	33.6	32
04/09/2023 15:10	6.2	272	7	7.9	0	33.5	34
04/09/2023 15:20	6.3	273	7	7.9	0	33.3	37
04/09/2023 15:30	6.1	271	8	7.7	0	33.2	40
04/09/2023 15:40	6.2	270	8	8.5	0	33.1	41
04/09/2023 15:50	6.9	271	8	8.8	0	32.5	42
04/09/2023 16:00	6.9	269	8	9.2	0	32.5	41
04/09/2023 16:10	7.1	264	8	9.6	0	31.9	43
04/09/2023 16:20	6.8	267	8	8.6	0	31.9	44



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/09/2023 16:30	7	265	8	9.1	0	31.6	48
04/09/2023 16:40	7.8	265	6	9.5	0	31.3	47
04/09/2023 16:50	6.9	265	8	9.1	0	31.2	48
04/09/2023 17:00	7.5	266	7	9.6	0	30.9	50
04/09/2023 17:10	7	269	8	9.6	0	30.7	51
04/09/2023 17:20	7.6	271	7	10.7	0	30.4	53
04/09/2023 17:30	7.3	269	7	9.2	0	30	57
04/09/2023 17:40	7.5	271	6	9.6	0	29.7	57
04/09/2023 17:50	7.2	267	7	9.3	0	29.5	58
04/09/2023 18:00	7.7	269	6	10.3	0	29.2	59
04/09/2023 18:10	7	269	7	9.7	0	29	60
04/09/2023 18:20	7.4	274	6	9.7	0	29	58
04/09/2023 18:30	7.2	269	7	9.6	0	29	56
04/09/2023 18:40	7.4	268	7	9.7	0	29.1	56
04/09/2023 18:50	7	270	6	9.5	0	29	54
04/09/2023 19:00	6.9	269	7	9.2	0	29.1	54
04/09/2023 19:10	6.2	271	7	8.5	0	29	53
04/09/2023 19:20	6.6	274	7	8.6	0	29.1	54
04/09/2023 19:30	5.7	273	7	7.5	0	28.9	55
04/09/2023 19:40	6.3	267	7	8.9	0	29	55
04/09/2023 19:50	6.7	265	6	8.7	0	28.9	55
04/09/2023 20:00	6.3	265	7	8.5	0	28.9	56
04/09/2023 20:10	6.1	265	7	8.7	0	28.7	58
04/09/2023 20:20	6.1	264	7	8.4	0	28.5	61
04/09/2023 20:30	5.3	257	6	7	0	28.2	63
04/09/2023 20:40	5.9	257	5	7.4	0	28	64
04/09/2023 20:50	6	256	5	7.7	0	27.9	64
04/09/2023 21:00	6.2	259	6	8.6	0	27.9	64
04/09/2023 21:10	6.1	259	6	8	0	27.9	63
04/09/2023 21:20	5.6	258	7	7.1	0	27.7	65
04/09/2023 21:30	5.6	259	6	7.5	0	27.7	65
04/09/2023 21:40	5.7	259	6	7.2	0	27.7	65
04/09/2023 21:50	5.1	256	6	6.4	0	27.5	65
04/09/2023 22:00	4.8	255	6	6.3	0	27.3	66
04/09/2023 22:10	5.3	257	5	6.5	0	27	66
04/09/2023 22:20	5	258	5	6.3	0	27	66
04/09/2023 22:30	5.4	257	6	6.6	0	27	65
04/09/2023 22:40	5.3	257	5	6.5	0	26.9	65
04/09/2023 22:50	5.3	258	5	6.5	0	26.8	66
04/09/2023 23:00	4.9	258	5	6.8	0	26.7	67
04/09/2023 23:10	5.2	258	6	6.5	0	26.7	68
04/09/2023 23:20	5.2	259	6	7.2	0	26.7	69
04/09/2023 23:30	5.1	259	7	6.7	0	26.6	70
04/09/2023 23:40	5.4	257	7	7.5	0	26.5	70
04/09/2023 23:50	5.4	253	9	7.7	0	26.6	71
04/10/2023 00:00	5.4	252	9	7.7	0	26.5	71
04/10/2023 00:10	5.6	251	8	7.4	0	26.5	72
04/10/2023 00:20	5.6	254	8	7.8	0	26.4	72



## Yara Pilbara Nitrates- Western Boundary 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/10/2023 00:30	5.4	255	6	7.3	0	26.2	73
04/10/2023 00:40	5.9	257	7	7.7	0	26.1	73
04/10/2023 00:50	6.1	257	7	7.8	0	26.1	71
04/10/2023 01:00	6.2	258	6	8.1	0	26.2	70
04/10/2023 01:10	6	256	8	8	0	26.2	68
04/10/2023 01:20	6.1	253	8	8.4	0	26.2	66
04/10/2023 01:30	6.1	255	7	8.2	0	26.2	65
04/10/2023 01:40	6.5	255	7	8.3	0	26.1	64
04/10/2023 01:50	6.4	256	7	8.5	0	26.1	62
04/10/2023 02:00	6.3	256	8	8.3	0	25.9	61
04/10/2023 02:10	6.8	258	6	8.8	0	25.7	62
04/10/2023 02:20	6.4	258	7	8	0	25.5	63
04/10/2023 02:30	6.6	257	7	8.4	0	25.4	64
04/10/2023 02:40	6	259	7	7.9	0	25.2	65
04/10/2023 02:50	5.4	259	6	6.7	0	25	66
04/10/2023 03:00	4.8	258	7	6.2	0	24.8	66
04/10/2023 03:10	4.8	259	7	6.2	0	24.7	67
04/10/2023 03:20	4.5	263	7	5.8	0	24.7	67
04/10/2023 03:30	4.2	267	6	5.5	0	24.6	67
04/10/2023 03:40	4.5	267	5	5.8	0	24.6	67
04/10/2023 03:50	4.1	269	5	5.3	0	24.5	67
04/10/2023 04:00	4.2	268	5	5.1	0	24.4	68
04/10/2023 04:10	4.5	267	5	5.5	0	24.3	68
04/10/2023 04:20	4	269	5	5.2	0	24.2	69
04/10/2023 04:30	3.2	272	6	4.4	0	24	69
04/10/2023 04:40	3.6	277	5	4.5	0	23.9	70
04/10/2023 04:50	2.8	268	8	4	0	23.7	70
04/10/2023 05:00	3.4	269	6	4.6	0	23.8	70
04/10/2023 05:10	3.9	265	7	5.1	0	23.8	69
04/10/2023 05:20	3.7	257	5	4.5	0	23.7	69
04/10/2023 05:30	3.7	261	7	4.7	0	23.7	69
04/10/2023 05:40	3.9	256	6	4.9	0	23.6	70
04/10/2023 05:50	3.9	260	5	4.7	0	23.4	69
04/10/2023 06:00	4.1	259	6	5.2	0	23.4	69
04/10/2023 06:10	4.3	258	5	5.7	0	23.2	70
04/10/2023 06:20	4.5	258	5	5.7	0	23.1	70
04/10/2023 06:30	4.6	261	4	5.5	0	23.2	69
04/10/2023 06:40	4.6	262	6	5.9	0	23.3	68
04/10/2023 06:50	4.3	263	6	5.7	0	23.3	67
04/10/2023 07:00	4.1	264	5	5.2	0	23.4	67
04/10/2023 07:10	4.1	268	5	5.2	0	23.7	66
04/10/2023 07:20	4.8	265	7	6.3	0	23.7	66
04/10/2023 07:30	5.3	266	5	6.5	0	23.7	65
04/10/2023 07:40	4.9	268	6	6	0	23.7	65
04/10/2023 07:50	4.8	269	5	6.4	0	23.7	65
04/10/2023 08:00	4.6	270	5	5.7	0	23.9	64
04/10/2023 08:10	4.5	270	7	5.9	0	24.2	62
04/10/2023 08:20	4.5	267	7	5.8	0	24.4	61



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/10/2023 08:30	4.5	264	5	5.5	0	24.8	59
04/10/2023 08:40	4.4	267	6	5.4	0	25	59
04/10/2023 08:50	4	268	9	5.3	0	25.9	57
04/10/2023 09:00	4.4	266	7	5.3	0	26.2	56
04/10/2023 09:10	4.4	268	8	5.9	0	26.9	54
04/10/2023 09:20	4.6	272	7	5.7	0	27	53
04/10/2023 09:30	4.5	270	8	5.4	0	27.4	53
04/10/2023 09:40	3.7	266	8	4.8	0	28	51
04/10/2023 09:50	4.2	276	8	5.7	0	28.4	50
04/10/2023 10:00	4.7	275	7	6.6	0	28.7	50
04/10/2023 10:10	5.6	271	7	7.1	0	29.1	46
04/10/2023 10:20	5.4	268	9	7.4	0	29.6	45
04/10/2023 10:30	5.6	268	10	7.3	0	29.8	45
04/10/2023 10:40	5.9	272	8	7.5	0	29.9	44
04/10/2023 10:50	5.9	273	7	7.9	0	29.9	46
04/10/2023 11:00	5.6	274	11	7.3	0	30.1	48
04/10/2023 11:10	5.8	286	11	7.8	0	29.9	49
04/10/2023 11:20	5.6	287	10	8	0	29.8	50
04/10/2023 11:30	6.3	290	9	8.4	0	29.4	51
04/10/2023 11:40	6.1	288	9	8.8	0	29.5	50
04/10/2023 11:50	5.9	287	8	7.6	0	29.8	48
04/10/2023 12:00	6.2	287	10	7.9	0	30.1	47
04/10/2023 12:10	6.8	288	7	8.6	0	30.2	46
04/10/2023 12:20	7.5	282	8	9.3	0	30.3	47
04/10/2023 12:30	7.7	287	7	9.3	0	30	49
04/10/2023 12:40	7	280	10	9.2	0	30.8	48
04/10/2023 12:50	7.4	274	8	9	0	30.8	48
04/10/2023 13:00	7.1	268	9	9.1	0	31.1	47
04/10/2023 13:10	7.6	273	8	9.6	0	31.3	46
04/10/2023 13:20	7.7	273	8	9.9	0	31.1	45
04/10/2023 13:30	7	273	8	9.4	0	31.2	46
04/10/2023 13:40	7.6	270	6	9.9	0	31.5	44
04/10/2023 13:50	7.6	273	9	9.8	0	31.7	44
04/10/2023 14:00	7.6	274	10	10.2	0	31.4	47
04/10/2023 14:10	8.4	272	8	10.2	0	31.2	47
04/10/2023 14:20	7.5	272	10	10.1	0	31.4	49
04/10/2023 14:30	8.1	277	7	11	0	31.1	51
04/10/2023 14:40	8.7	278	8	11.2	0	30.7	53
04/10/2023 14:50	8.6	279	8	10.9	0	30.6	53
04/10/2023 15:00	8.7	270	9	11.3	0	30.5	53
04/10/2023 15:10	8.4	271	8	11.3	0	30.7	53
04/10/2023 15:20	8.1	266	10	11.4	0	30.8	53
04/10/2023 15:30	7.7	268	9	10.1	0	30.8	53
04/10/2023 15:40	8.2	270	8	10.4	0	30.9	52
04/10/2023 15:50	7.8	274	9	10.2	0	30.7	54
04/10/2023 16:00	7.5	269	9	9.7	0	30.7	54
04/10/2023 16:10	7.5	272	7	9.9	0	30.7	55
04/10/2023 16:20	7.4	262	8	9.8	0	30.7	54



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/10/2023 16:30	7.6	268	8	10.2	0	30.8	54
04/10/2023 16:40	7.6	267	8	10.4	0	30.6	54
04/10/2023 16:50	7.5	265	8	10	0	30.6	54
04/10/2023 17:00	7.4	265	9	10.2	0	30.5	54
04/10/2023 17:10	7.4	266	8	10.9	0	30.3	56
04/10/2023 17:20	7.6	261	6	10.2	0	30.1	55
04/10/2023 17:30	7.4	264	7	9.8	0	29.9	55
04/10/2023 17:40	6.7	262	7	8.9	0	29.7	57
04/10/2023 17:50	7.6	259	6	9.4	0	29.3	58
04/10/2023 18:00	7.2	260	6	9.6	0	28.9	60
04/10/2023 18:10	7.2	259	7	9.2	0	28.6	62
04/10/2023 18:20	7.7	257	6	10.5	0	28.3	64
04/10/2023 18:30	7.4	259	7	9.6	0	28.1	66
04/10/2023 18:40	7.5	259	7	10.1	0	28	67
04/10/2023 18:50	7.3	260	6	10.1	0	28	66
04/10/2023 19:00	6.4	259	6	8	0	27.9	67
04/10/2023 19:10	6.2	261	6	8.8	0	27.8	67
04/10/2023 19:20	6.1	261	7	8.2	0	27.7	67
04/10/2023 19:30	5.7	261	6	7.2	0	27.6	68
04/10/2023 19:40	5.4	260	6	7.1	0	27.5	68
04/10/2023 19:50	5.4	260	5	7.2	0	27.4	68
04/10/2023 20:00	5.5	261	5	6.7	0	27.3	69
04/10/2023 20:10	5.4	262	7	7.1	0	27.3	68
04/10/2023 20:20	5	259	6	7.1	0	27.2	69
04/10/2023 20:30	4.9	261	6	6.5	0	27.1	70
04/10/2023 20:40	5.1	259	6	6.9	0	27	70
04/10/2023 20:50	5.4	258	7	7.4	0	26.9	71
04/10/2023 21:00	5.3	256	7	6.9	0	26.8	71
04/10/2023 21:10	5.1	259	7	7	0	26.7	71
04/10/2023 21:20	4.6	259	7	6.4	0	26.6	72
04/10/2023 21:30	4.6	259	7	6	0	26.4	72
04/10/2023 21:40	4.9	259	6	6.3	0	26.2	72
04/10/2023 21:50	4.8	260	6	6.2	0	26.2	72
04/10/2023 22:00	4.7	262	5	6.1	0	26.1	72
04/10/2023 22:10	4.6	262	6	6.1	0	26	71
04/10/2023 22:20	4.8	260	6	6.2	0	26	71
04/10/2023 22:30	4.1	264	6	5.4	0	26	70
04/10/2023 22:40	3.9	264	6	5.1	0	26	68
04/10/2023 22:50	4.1	265	6	5.1	0	26.1	66
04/10/2023 23:00	4.2	264	5	5.6	0	26.1	64
04/10/2023 23:10	3.9	264	6	5.3	0	26.2	62
04/10/2023 23:20	3.9	265	5	4.9	0	26.2	60
04/10/2023 23:30	4	265	5	5.4	0	26.2	59
04/10/2023 23:40	3.6	266	5	4.8	0	26.2	57
04/10/2023 23:50	4	262	5	4.9	0	26.1	56
04/11/2023 00:00	3.7	263	6	4.9	0	26.1	55
04/11/2023 00:10	3.8	263	5	4.7	0	26	55
04/11/2023 00:20	4	260	5	5	0	25.9	55



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/11/2023 00:30	4.2	259	5	5.5	0	25.7	55
04/11/2023 00:40	4.4	261	6	5.8	0	25.5	55
04/11/2023 00:50	3.9	262	6	5.3	0	25.5	55
04/11/2023 01:00	3.9	263	6	5.1	0	25.4	54
04/11/2023 01:10	3.6	264	4	4.9	0	25.4	53
04/11/2023 01:20	3.8	265	5	4.9	0	25.3	53
04/11/2023 01:30	3.9	262	6	4.9	0	25.3	53
04/11/2023 01:40	3.6	267	6	4.8	0	25.1	53
04/11/2023 01:50	3.8	272	6	5	0	25.1	52
04/11/2023 02:00	4.2	271	5	5.5	0	25	52
04/11/2023 02:10	4.1	270	6	5	0	24.9	53
04/11/2023 02:20	4.5	266	5	5.7	0	24.9	52
04/11/2023 02:30	4.6	263	5	5.7	0	24.9	52
04/11/2023 02:40	4.5	263	5	6	0	24.8	53
04/11/2023 02:50	4.4	261	7	5.9	0	24.6	53
04/11/2023 03:00	4	269	6	5.1	0	24.6	53
04/11/2023 03:10	4	270	5	5.2	0	24.5	53
04/11/2023 03:20	3.9	273	5	4.7	0	24.4	53
04/11/2023 03:30	4	272	5	4.8	0	24.5	52
04/11/2023 03:40	3.9	271	7	4.9	0	24.4	53
04/11/2023 03:50	4	270	6	4.9	0	24.3	53
04/11/2023 04:00	4	270	5	5.1	0	24.2	54
04/11/2023 04:10	4.5	271	6	5.4	0	24.1	54
04/11/2023 04:20	4.9	273	5	5.8	0	24	55
04/11/2023 04:30	4.3	270	6	5.3	0	23.9	55
04/11/2023 04:40	4	271	6	5	0	23.8	55
04/11/2023 04:50	3.5	268	7	4.8	0	23.8	55
04/11/2023 05:00	4	267	5	4.8	0	23.7	55
04/11/2023 05:10	3.9	281	5	4.9	0	23.6	55
04/11/2023 05:20	3.7	287	6	4.7	0	23.7	54
04/11/2023 05:30	3.4	284	6	4.5	0	23.7	54
04/11/2023 05:40	3.5	282	5	4.4	0	23.7	53
04/11/2023 05:50	3.5	278	7	4.6	0	23.5	54
04/11/2023 06:00	3.5	273	9	4.9	0	23.4	54
04/11/2023 06:10	3.4	258	12	4.8	0	24	51
04/11/2023 06:20	3.7	253	10	5.1	0	24.1	50
04/11/2023 06:30	4.5	258	6	6.1	0	23.6	53
04/11/2023 06:40	4.4	260	7	5.5	0	23.3	55
04/11/2023 06:50	4.6	252	7	6.2	0	23.8	51
04/11/2023 07:00	4.4	242	12	6.5	0	24.4	49
04/11/2023 07:10	4.3	243	10	7.2	0	24.8	47
04/11/2023 07:20	4.3	247	9	5.5	0	24.7	47
04/11/2023 07:30	3.9	250	13	6.7	0	24.8	47
04/11/2023 07:40	3	260	14	5.5	0	25	46
04/11/2023 07:50	2.2	249	21	3.8	0	25.3	45
04/11/2023 08:00	3	239	18	4.7	0	25.8	43
04/11/2023 08:10	2.2	203	27	4.3	0	26.4	42
04/11/2023 08:20	2.3	234	22	3.9	0	26.7	41



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/11/2023 08:30	2.9	247	12	4.6	0	26.9	39
04/11/2023 08:40	3.2	213	16	5.2	0	27.3	38
04/11/2023 08:50	4.2	202	11	6	0	27.5	37
04/11/2023 09:00	3.6	206	10	4.8	0	27.8	37
04/11/2023 09:10	2.9	210	10	4.4	0	28	37
04/11/2023 09:20	2.2	194	17	3.5	0	28.2	37
04/11/2023 09:30	2.4	190	20	4.1	0	28.7	35
04/11/2023 09:40	2.3	188	14	3.6	0	28.8	35
04/11/2023 09:50	1.7	146	49	2.7	0	29.2	35
04/11/2023 10:00	1.8	180	20	2.7	0	29.3	36
04/11/2023 10:10	1.6	169	27	3.2	0	29.4	35
04/11/2023 10:20	1.4	172	38	2.7	0	30.3	33
04/11/2023 10:30	1.4	151	53	2.9	0	31.3	29
04/11/2023 10:40	1.8	72	28	3.2	0	31.9	27
04/11/2023 10:50	1.4	82	39	2.8	0	31.9	27
04/11/2023 11:00	1.7	53	26	2.8	0	31.7	28
04/11/2023 11:10	1.7	58	28	2.7	0	32.1	27
04/11/2023 11:20	1.6	66	30	3.1	0	32.3	26
04/11/2023 11:30	1.6	131	46	3.3	0	32.8	25
04/11/2023 11:40	1.7	135	53	3.7	0	33	26
04/11/2023 11:50	2.6	267	15	4.7	0	32.1	36
04/11/2023 12:00	2.7	264	21	4.6	0	31.9	36
04/11/2023 12:10	2.4	266	27	4.4	0	32.2	35
04/11/2023 12:20	3.1	276	15	4.5	0	32.2	35
04/11/2023 12:30	3.5	263	14	5.4	0	32.2	35
04/11/2023 12:40	3.5	283	15	4.8	0	32.2	34
04/11/2023 12:50	2.8	287	20	4.3	0	32.5	33
04/11/2023 13:00	2.5	271	20	3.8	0	32.9	32
04/11/2023 13:10	2.7	277	20	4.1	0	33.2	32
04/11/2023 13:20	3.3	276	16	5.4	0	33.3	33
04/11/2023 13:30	3.4	287	13	4.9	0	33.2	34
04/11/2023 13:40	3.3	286	20	4.9	0	33.3	34
04/11/2023 13:50	3.3	290	18	4.8	0	33.2	34
04/11/2023 14:00	3	303	24	5	0	33.6	33
04/11/2023 14:10	3.7	317	13	5	0	33.1	33
04/11/2023 14:20	4.1	332	16	6	0	32.8	36
04/11/2023 14:30	4.2	335	13	5.7	0	32.7	37
04/11/2023 14:40	4.4	334	14	6.2	0	32.7	37
04/11/2023 14:50	4.4	330	9	6.3	0	32.5	36
04/11/2023 15:00	3.8	306	12	5.9	0	32.6	36
04/11/2023 15:10	3	310	17	5	0	32.9	35
04/11/2023 15:20	3.5	312	9	4.9	0	33	34
04/11/2023 15:30	3.8	307	14	5.5	0	33.1	35
04/11/2023 15:40	4.3	299	12	6.1	0	33	36
04/11/2023 15:50	4.3	299	12	5.7	0	32.5	38
04/11/2023 16:00	4	303	12	6	0	32.8	36
04/11/2023 16:10	4.2	310	11	6.2	0	32.5	36
04/11/2023 16:20	4.7	302	10	5.8	0	32.6	36





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/11/2023 16:30	4	308	12	5.7	0	32.4	37
04/11/2023 16:40	4.3	288	9	6.2	0	32.3	38
04/11/2023 16:50	4	299	13	5.6	0	32.4	38
04/11/2023 17:00	4	307	10	6.2	0	31.9	40
04/11/2023 17:10	4.2	307	11	5.8	0	31.6	41
04/11/2023 17:20	4.7	313	8	6.3	0	31.2	42
04/11/2023 17:30	4	307	10	5.8	0	31.1	45
04/11/2023 17:40	4	301	10	5.9	0	30.8	47
04/11/2023 17:50	4.4	301	9	6.3	0	30.4	48
04/11/2023 18:00	3.7	303	11	5.3	0	30.1	49
04/11/2023 18:10	4.1	302	10	6	0	29.8	51
04/11/2023 18:20	4.1	297	9	5.9	0	29.7	51
04/11/2023 18:30	4.1	294	8	5.8	0	29.8	49
04/11/2023 18:40	3.4	294	12	5.4	0	29.8	47
04/11/2023 18:50	4.2	285	8	5.8	0	29.6	50
04/11/2023 19:00	4.8	284	6	5.8	0	29.3	54
04/11/2023 19:10	4.5	283	6	6	0	29.2	56
04/11/2023 19:20	4.8	281	7	6.2	0	29.1	57
04/11/2023 19:30	4.9	276	8	6.9	0	29	58
04/11/2023 19:40	5.6	271	6	7.2	0	29.1	57
04/11/2023 19:50	5.3	270	6	7.2	0	29.1	58
04/11/2023 20:00	4.9	271	6	6.4	0	29.1	58
04/11/2023 20:10	5.2	272	7	7.3	0	29	61
04/11/2023 20:20	4.9	275	7	6.4	0	28.9	62
04/11/2023 20:30	5.2	277	6	6.9	0	28.8	64
04/11/2023 20:40	5.7	279	6	7.5	0	28.7	66
04/11/2023 20:50	5.5	280	5	6.9	0	28.6	68
04/11/2023 21:00	5.2	281	6	7.3	0	28.5	69
04/11/2023 21:10	5.3	275	7	7.4	0	28.5	70
04/11/2023 21:20	5.5	278	7	7.5	0	28.4	70
04/11/2023 21:30	6	278	6	7.8	0	28.3	71
04/11/2023 21:40	5.6	275	8	7.7	0	28.3	72
04/11/2023 21:50	5.9	270	7	7.5	0	28.2	73
04/11/2023 22:00	5.6	274	7	7.3	0	28.1	73
04/11/2023 22:10	6.2	271	6	7.9	0	28	74
04/11/2023 22:20	5	274	7	6.7	0	27.9	74
04/11/2023 22:30	5.4	275	7	7.3	0	27.9	74
04/11/2023 22:40	4.8	274	7	6.8	0	27.8	75
04/11/2023 22:50	4.6	278	6	5.9	0	27.7	75
04/11/2023 23:00	4.5	283	7	6.3	0	27.6	75
04/11/2023 23:10	4	279	7	5.1	0	27.5	75
04/11/2023 23:20	4.2	274	7	5.4	0	27.5	75
04/11/2023 23:30	3.9	269	6	5.1	0	27.4	75
04/11/2023 23:40	3.5	265	8	4.8	0	27.4	75
04/11/2023 23:50	3.3	265	8	4.6	0	27.4	75
04/12/2023 00:00	3	269	7	3.8	0	27.3	74
04/12/2023 00:10	2.8	272	6	3.6	0	27.2	74
04/12/2023 00:20	2.1	269	8	3	0	26.9	73



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/12/2023 00:30	1.9	274	6	2.6	0	26.8	72
04/12/2023 00:40	1.6	280	6	2.1	0	26.7	71
04/12/2023 00:50	1.5	269	10	1.9	0	26.6	70
04/12/2023 01:00	1.8	260	6	2.1	0	26.5	68
04/12/2023 01:10	1.7	257	8	2.1	0	26.4	67
04/12/2023 01:20	0.8	269	26	1.1	0	26.4	66
04/12/2023 01:30	0.6	220	34	1.4	0	26.6	65
04/12/2023 01:40	0.6	150	37	1.1	0	26.5	65
04/12/2023 01:50	0.8	59	7	1	0	26.1	65
04/12/2023 02:00	0.9	49	7	1.1	0	26	63
04/12/2023 02:10	0.5	48	5	0.7	0	25.9	61
04/12/2023 02:20	0.8	54	5	0.9	0	26	59
04/12/2023 02:30	0.9	71	10	1.2	0	25.9	58
04/12/2023 02:40	1.3	80	5	1.7	0	25.6	57
04/12/2023 02:50	1.5	80	6	1.9	0	25.3	56
04/12/2023 03:00	1.4	87	7	1.9	0	25.1	52
04/12/2023 03:10	1.7	112	14	2.9	0	25.3	49
04/12/2023 03:20	0.8	142	27	1.4	0	25.5	50
04/12/2023 03:30	0.4	59	41	0.8	0	25.3	52
04/12/2023 03:40	1	54	6	1.2	0	25.4	51
04/12/2023 03:50	1.2	53	8	1.5	0	25.4	50
04/12/2023 04:00	1.3	68	18	2.7	0	25.2	52
04/12/2023 04:10	1.5	88	23	2.4	0	25.1	59
04/12/2023 04:20	2.5	97	19	5.3	0	25.4	68
04/12/2023 04:30	2.5	101	13	4.4	0	26.7	69
04/12/2023 04:40	2.7	102	14	4.1	0	27.1	67
04/12/2023 04:50	2.1	102	15	3.5	0	27.4	64
04/12/2023 05:00	2.3	103	11	3.3	0	27.5	65
04/12/2023 05:10	2.4	108	10	3.3	0	27.2	66
04/12/2023 05:20	2.6	110	12	3.6	0	27.6	63
04/12/2023 05:30	2.6	106	13	4	0	27.5	63
04/12/2023 05:40	2.3	101	13	3.4	0	27.5	61
04/12/2023 05:50	1.7	103	17	2.7	0	27.4	60
04/12/2023 06:00	1.4	87	18	2.5	0	27.2	59
04/12/2023 06:10	1.2	71	18	2	0	26.4	64
04/12/2023 06:20	1.1	71	9	1.5	0	26.4	61
04/12/2023 06:30	1	75	15	1.5	0	26.3	59
04/12/2023 06:40	1.2	87	17	2.4	0	26	59
04/12/2023 06:50	1.6	93	14	2.7	0	26.6	53
04/12/2023 07:00	1.6	106	20	2.5	0	27.1	50
04/12/2023 07:10	1.8	116	21	3.3	0	28	46
04/12/2023 07:20	1.7	115	22	3	0	28.4	45
04/12/2023 07:30	1.7	113	20	3.4	0	28.8	44
04/12/2023 07:40	1.9	121	23	3.4	0	28.9	43
04/12/2023 07:50	2.5	100	14	3.8	0	29	42
04/12/2023 08:00	2.6	101	12	4.1	0	28.9	43
04/12/2023 08:10	2.6	101	12	3.6	0	28.8	44
04/12/2023 08:20	2.2	101	11	3	0	28.8	45



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/12/2023 08:30	2.2	99	11	3.1	0	28.8	46
04/12/2023 08:40	2.4	100	9	3.5	0	28.8	46
04/12/2023 08:50	2.6	105	12	3.6	0	29.2	46
04/12/2023 09:00	2.8	103	12	3.8	0	29.6	47
04/12/2023 09:10	3	105	11	4.7	0	29.9	46
04/12/2023 09:20	3.1	99	10	4.4	0	30.2	45
04/12/2023 09:30	2.9	97	11	4.4	0	30	47
04/12/2023 09:40	2.7	97	11	4.2	0	30.8	46
04/12/2023 09:50	3.3	103	14	5	0	32	46
04/12/2023 10:00	3.9	101	11	6.7	0	32.4	45
04/12/2023 10:10	4.5	98	12	6.5	0	32.8	45
04/12/2023 10:20	5	94	8	7.6	0	32.7	47
04/12/2023 10:30	5.5	88	8	7.5	0	32.5	47
04/12/2023 10:40	5.6	84	10	7.9	0	32.9	46
04/12/2023 10:50	5.7	87	10	8.7	0	33.2	46
04/12/2023 11:00	7.4	88	7	9.4	0	33.2	47
04/12/2023 11:10	6.8	95	10	9.8	0	33.5	46
04/12/2023 11:20	7	91	9	9.6	0	33.6	44
04/12/2023 11:30	6.3	94	10	9.6	0	33.4	45
04/12/2023 11:40	5.9	93	11	8	0	34	45
04/12/2023 11:50	6.5	88	9	9	0	33.9	44
04/12/2023 12:00	6.6	84	8	8.9	0	33.6	44
04/12/2023 12:10	6.2	88	9	8.5	0	33.8	43
04/12/2023 12:20	6.8	75	9	9.5	0	33.5	46
04/12/2023 12:30	6.5	77	9	8.9	0	33.6	46
04/12/2023 12:40	7.3	75	7	9.9	0	33.3	46
04/12/2023 12:50	6.8	76	8	8.8	0	33.5	45
04/12/2023 13:00	6.6	75	7	8.8	0	33.2	44
04/12/2023 13:10	6.1	76	8	8.1	0	33.2	43
04/12/2023 13:20	6.8	77	5	8.3	0	33.1	40
04/12/2023 13:30	5.7	85	8	7.6	0	34	39
04/12/2023 13:40	5.4	80	9	7.5	0	34.4	38
04/12/2023 13:50	6.1	64	9	8.7	0	33.8	40
04/12/2023 14:00	5.6	59	11	7.8	0	33.6	42
04/12/2023 14:10	6.2	55	8	8.1	0	33.4	43
04/12/2023 14:20	6.7	57	10	9	0	33.5	44
04/12/2023 14:30	6.7	57	8	8.9	0	32.7	51
04/12/2023 14:40	6.3	60	9	8.3	0	32.7	52
04/12/2023 14:50	7.2	56	8	9.3	0	32.6	55
04/12/2023 15:00	5.7	57	11	8.2	0	33.3	55
04/12/2023 15:10	5.7	60	7	7.6	0	33.8	54
04/12/2023 15:20	5.1	59	6	6.5	0	33.8	52
04/12/2023 15:30	4.6	61	7	6	0	33.5	54
04/12/2023 15:40	5	64	6	6.4	0	33.3	56
04/12/2023 15:50	4.8	62	8	6.3	0	33.3	56
04/12/2023 16:00	5.9	63	7	7.5	0	32.9	58
04/12/2023 16:10	5.8	60	8	7.8	0	32.5	60
04/12/2023 16:20	5.2	59	7	7	0	32.6	60



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/12/2023 16:30	4.4	36	9	5.7	0	32.9	57
04/12/2023 16:40	4.6	42	8	6	0	32.9	56
04/12/2023 16:50	4.4	51	9	6	0	32.9	58
04/12/2023 17:00	4.1	56	10	5.6	0	32.3	63
04/12/2023 17:10	4.1	44	9	5.7	0	32.3	59
04/12/2023 17:20	4.6	59	9	6.3	0	32.2	62
04/12/2023 17:30	5	61	7	6.9	0	31.5	66
04/12/2023 17:40	4.6	61	7	6.1	0	31.3	67
04/12/2023 17:50	4.1	66	8	5.5	0	31.1	67
04/12/2023 18:00	4.6	63	7	6.5	0	30.9	68
04/12/2023 18:10	4.5	64	9	6.4	0	30.9	67
04/12/2023 18:20	4.3	61	9	6.4	0	30.8	67
04/12/2023 18:30	4.1	64	8	5.8	0	30.7	69
04/12/2023 18:40	4.1	62	7	5.7	0	30.4	71
04/12/2023 18:50	3.9	59	9	5.4	0	30.2	72
04/12/2023 19:00	4.1	62	7	5.7	0	30.2	72
04/12/2023 19:10	4	61	8	5.5	0	30.1	72
04/12/2023 19:20	3.5	62	8	4.4	0	30.1	72
04/12/2023 19:30	3.4	62	9	4.8	0	30	72
04/12/2023 19:40	3.2	65	9	4.3	0	30	73
04/12/2023 19:50	3	64	8	4.2	0	29.9	72
04/12/2023 20:00	2.9	64	8	3.8	0	29.7	72
04/12/2023 20:10	2.8	65	9	3.7	0	29.7	71
04/12/2023 20:20	2.2	62	9	3.2	0	29.6	70
04/12/2023 20:30	1.9	70	7	2.6	0	29.6	70
04/12/2023 20:40	1.8	72	8	2.4	0	29.5	70
04/12/2023 20:50	1.1	53	12	1.7	0	29.5	70
04/12/2023 21:00	0.6	56	24	1.1	0	29.4	69
04/12/2023 21:10	0.7	100	13	1	0	29.4	69
04/12/2023 21:20	0.4	200	26	0.8	0	29.5	70
04/12/2023 21:30	0.3	53	59	0.6	0	29.4	70
04/12/2023 21:40	0.3	322	49	0.4	0	29.4	70
04/12/2023 21:50	0.5	116	45	0.9	0	29.5	71
04/12/2023 22:00	0.7	297	20	1.1	0	29.6	71
04/12/2023 22:10	0.9	225	12	1.5	0	29.5	70
04/12/2023 22:20	2	263	9	2.7	0	29.6	68
04/12/2023 22:30	2.8	270	5	3.7	0	29.4	65
04/12/2023 22:40	3.3	269	5	4.1	0	29.3	64
04/12/2023 22:50	1.9	254	14	2.9	0	29.3	64
04/12/2023 23:00	2.3	232	16	3.6	0	29.3	65
04/12/2023 23:10	3.4	233	7	4.2	0	29.3	67
04/12/2023 23:20	3.1	245	11	4	0	29.2	69
04/12/2023 23:30	3.1	249	11	4.4	0	29.2	70
04/12/2023 23:40	2.3	235	20	3.8	0	29.2	71
04/12/2023 23:50	2	253	17	3	0	29.1	71
13/04/2023 00:00	1.4	244	26	2.3	0	29	71
13/04/2023 00:10	1.4	220	17	2.5	0	29	72
13/04/2023 00:20	1	231	27	2.1	0	29.1	72



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/04/2023 00:30	1.1	232	19	1.8	0	29.1	73
13/04/2023 00:40	1	210	26	1.9	0	29.2	73
13/04/2023 00:50	1.8	209	16	2.9	0	29.3	73
13/04/2023 01:00	1.6	206	16	2.7	0	29.3	73
13/04/2023 01:10	1.9	206	14	3	0	29.4	73
13/04/2023 01:20	2	206	18	3	0	29.4	73
13/04/2023 01:30	1.2	225	21	2.1	0	29.4	73
13/04/2023 01:40	1.9	212	14	3.3	0	29.4	73
13/04/2023 01:50	2.6	213	15	3.8	0	29.5	73
13/04/2023 02:00	2.6	209	12	4	0	29.4	73
13/04/2023 02:10	2.5	217	14	3.5	0	29.5	72
13/04/2023 02:20	3	208	11	4.3	0	29.4	72
13/04/2023 02:30	3.1	202	10	4.2	0	29.3	73
13/04/2023 02:40	3.4	205	8	4.6	0	29.2	73
13/04/2023 02:50	3	211	9	4.1	0	29.2	73
13/04/2023 03:00	3.1	222	12	4.6	0	29.1	73
13/04/2023 03:10	3	220	14	4.2	0	29	74
13/04/2023 03:20	3.2	216	12	4.7	0	28.8	74
13/04/2023 03:30	3.8	211	11	5.7	0	28.6	74
13/04/2023 03:40	4	208	9	5.7	0	28.6	73
13/04/2023 03:50	4.3	202	8	6.2	0	28.5	73
13/04/2023 04:00	4.5	205	7	6.3	0	28.3	74
13/04/2023 04:10	4.6	206	6	5.9	0	28.3	74
13/04/2023 04:20	4.3	202	9	6.6	0	28.2	74
13/04/2023 04:30	4.4	199	7	5.7	0	28.1	74
13/04/2023 04:40	4.5	187	10	6.7	0.2	27.8	73
13/04/2023 04:50	4.7	200	6	6.2	0	27	69
13/04/2023 05:00	5.2	208	8	7.1	0	27.1	68
13/04/2023 05:10	4.2	220	11	6.6	0	27.5	69
13/04/2023 05:20	4.1	213	10	5.8	0	27.4	69
13/04/2023 05:30	6	207	8	8.3	0	27.2	70
13/04/2023 05:40	6.5	209	8	9.4	0	27.2	70
13/04/2023 05:50	6	207	8	8.8	0	27.1	70
13/04/2023 06:00	5.8	208	7	8.3	0	27.1	71
13/04/2023 06:10	5.7	208	8	7.4	0	27.3	73
13/04/2023 06:20	5.5	208	8	7.9	0	27.4	73
13/04/2023 06:30	5.5	206	9	7.9	0	27.4	73
13/04/2023 06:40	5.8	209	9	7.7	0	27.3	73
13/04/2023 06:50	4.9	213	7	6.1	0	27.3	73
13/04/2023 07:00	4.2	215	7	5.4	0	27.4	73
13/04/2023 07:10	4.3	212	8	5.9	0	27.5	73
13/04/2023 07:20	4.5	210	7	6	0	27.6	73
13/04/2023 07:30	4.4	207	7	6.1	0	27.8	74
13/04/2023 07:40	4.2	206	8	5.6	0	28	74
13/04/2023 07:50	5.1	201	8	6.5	0	28	73
13/04/2023 08:00	4.7	198	8	6.5	0	28.1	73
13/04/2023 08:10	4.1	198	8	6.3	0	28.2	73
13/04/2023 08:20	3.9	198	9	6	0	28.4	73



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/04/2023 08:30	4.3	201	8	6.1	0	28.5	73
13/04/2023 08:40	4.4	192	9	6.5	0	28.7	73
13/04/2023 08:50	4.2	195	10	5.5	0	29.1	72
13/04/2023 09:00	3.5	175	15	5.7	0	29.4	71
13/04/2023 09:10	2.6	164	21	4.4	0	29.9	70
13/04/2023 09:20	3.5	177	13	5.2	0	29.8	71
13/04/2023 09:30	3.2	174	13	4.6	0	30	71
13/04/2023 09:40	2.7	156	20	4.4	0	30.5	70
13/04/2023 09:50	2.7	150	17	4.6	0	30.9	68
13/04/2023 10:00	3.2	145	14	5.2	0	31	67
13/04/2023 10:10	3	150	16	5	0	31	67
13/04/2023 10:20	3.2	145	16	5.5	0	31.1	67
13/04/2023 10:30	2.8	140	18	4.8	0	31.5	68
13/04/2023 10:40	3.2	121	15	5.4	0	32	66
13/04/2023 10:50	3.1	110	17	5.2	0	31.9	65
13/04/2023 11:00	2.5	118	22	4	0	32.4	62
13/04/2023 11:10	3	113	16	4.5	0	32.4	63
13/04/2023 11:20	2.8	113	19	4.8	0	32.3	65
13/04/2023 11:30	2.7	114	17	4.3	0	32.7	63
13/04/2023 11:40	2.7	117	17	4.2	0	32.8	62
13/04/2023 11:50	3	117	19	5.1	0	33	60
13/04/2023 12:00	4.2	98	10	6.3	0	32.4	62
13/04/2023 12:10	4.5	85	11	6.1	0	31.9	64
13/04/2023 12:20	4.1	85	9	6.4	0	32	64
13/04/2023 12:30	4.1	90	11	6.1	0	31.9	65
13/04/2023 12:40	4.7	86	10	6.9	0	31.6	65
13/04/2023 12:50	4.4	74	9	6.6	0	31.2	68
13/04/2023 13:00	3.6	74	9	5.2	0	31.5	66
13/04/2023 13:10	3.3	94	11	4.5	0	32	64
13/04/2023 13:20	3.3	97	13	4.9	0	32.1	63
13/04/2023 13:30	2.6	104	16	3.8	0	32.3	64
13/04/2023 13:40	3.7	87	13	5.2	0	31.9	65
13/04/2023 13:50	3.9	68	11	5.6	0	31.7	66
13/04/2023 14:00	4	53	8	5.2	0	31.3	68
13/04/2023 14:10	3	62	11	4.4	0	31.5	67
13/04/2023 14:20	2.8	73	11	4	0	31.8	65
13/04/2023 14:30	2.8	71	10	3.7	0	32	64
13/04/2023 14:40	2.6	70	12	3.8	0	31.9	64
13/04/2023 14:50	2.3	97	15	3.8	0	32.3	63
13/04/2023 15:00	3.9	79	10	5.4	0	32.1	64
13/04/2023 15:10	3.1	88	12	4.6	0	31.8	66
13/04/2023 15:20	3.2	99	10	5.2	0	31.9	66
13/04/2023 15:30	3.8	98	10	5.6	0	31.7	67
13/04/2023 15:40	5.3	106	14	8.1	0	31.9	64
13/04/2023 15:50	4.2	105	11	6.8	0	32.1	62
13/04/2023 16:00	3.1	108	13	4.8	0	32.3	62
13/04/2023 16:10	2.2	123	17	3.9	0	32.5	63
13/04/2023 16:20	2.3	143	17	3.8	0	32.3	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/04/2023 16:30	2.5	147	16	4.2	0	32.5	60
13/04/2023 16:40	1.9	152	18	3.2	0	32.7	59
13/04/2023 16:50	2.3	159	16	3.8	0	32.6	60
13/04/2023 17:00	3.9	223	16	6	0	32	63
13/04/2023 17:10	5	272	10	7	0	30.6	74
13/04/2023 17:20	4.6	264	6	6.1	0	30	74
13/04/2023 17:30	4.4	270	6	5.7	0	29.7	74
13/04/2023 17:40	5.3	273	5	6.7	0	29.5	74
13/04/2023 17:50	4.6	274	6	5.9	0	29.3	74
13/04/2023 18:00	4.3	269	7	5.6	0	29.1	74
13/04/2023 18:10	4.6	270	6	5.7	0	29.1	74
13/04/2023 18:20	4.6	263	7	5.7	0	28.8	74
13/04/2023 18:30	5.3	263	6	6.6	0	28.7	74
13/04/2023 18:40	5.5	263	7	7.1	0	28.7	74
13/04/2023 18:50	4.8	267	7	6.2	0	28.9	73
13/04/2023 19:00	4.8	268	7	6.1	0	28.9	73
13/04/2023 19:10	5.3	265	6	6.7	0	28.9	74
13/04/2023 19:20	4.7	267	6	5.9	0	28.9	74
13/04/2023 19:30	4.4	264	7	5.6	0	28.9	74
13/04/2023 19:40	5	260	8	6.6	0	29.1	72
13/04/2023 19:50	5.8	259	7	8	0	29.3	71
13/04/2023 20:00	6.1	257	7	8.3	0	29.4	71
13/04/2023 20:10	5.2	251	10	7.5	0	29.5	70
13/04/2023 20:20	5.3	251	10	7.4	0	29.5	67
13/04/2023 20:30	5.4	247	10	7.8	0	29.8	62
13/04/2023 20:40	4.7	253	11	7.1	0	30.1	59
13/04/2023 20:50	5	258	7	6.9	0	29.9	59
13/04/2023 21:00	3.9	263	7	6	0	29.8	59
13/04/2023 21:10	3.7	266	7	4.9	0	29.6	62
13/04/2023 21:20	4.1	261	6	5.2	0	29.6	61
13/04/2023 21:30	4.2	267	6	5.4	0	29.4	63
13/04/2023 21:40	4.5	268	6	5.9	0	29.3	64
13/04/2023 21:50	4.7	271	6	6.2	0	29.3	65
13/04/2023 22:00	5.3	268	6	6.6	0	29.2	67
13/04/2023 22:10	4.2	268	7	5.5	0	28.9	71
13/04/2023 22:20	3.9	267	6	5.6	0	28.8	72
13/04/2023 22:30	4.1	271	6	4.8	0	28.8	72
13/04/2023 22:40	4.5	276	6	6.5	0	28.7	73
13/04/2023 22:50	5.5	269	6	7.3	0	28.6	73
13/04/2023 23:00	4.5	274	5	5.7	0	28.6	73
13/04/2023 23:10	3.6	271	9	4.6	0	28.4	73
13/04/2023 23:20	3.9	266	8	5.1	0	28.6	70
13/04/2023 23:30	3.9	278	6	4.9	0	28.7	69
13/04/2023 23:40	4.5	271	6	5.6	0	28.9	69
13/04/2023 23:50	4.6	268	7	6	0	29	69
14/04/2023 00:00	4.6	256	8	6.3	0	29	70
14/04/2023 00:10	5.5	251	8	8.9	0	29.2	70
14/04/2023 00:20	4.7	246	11	6.7	0	29.3	70



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/04/2023 00:30	4.5	238	10	7	0	29.4	70
14/04/2023 00:40	4.5	242	10	6.7	0	29.5	69
14/04/2023 00:50	4.4	251	10	6.3	0	29.4	70
14/04/2023 01:00	5.1	245	10	7.7	0	29.4	69
14/04/2023 01:10	4.7	251	9	6.4	0	29.3	69
14/04/2023 01:20	3.6	246	12	5.8	0	29.3	69
14/04/2023 01:30	5	258	7	6.3	0	29	69
14/04/2023 01:40	4.5	265	8	6	0	28.9	70
14/04/2023 01:50	5	261	6	6.5	0	28.7	72
14/04/2023 02:00	5.6	258	5	7.2	0	28.6	72
14/04/2023 02:10	5.2	253	7	7	0	28.5	70
14/04/2023 02:20	5	243	10	7	0	29.1	62
14/04/2023 02:30	5.4	240	10	7.8	0	29.4	54
14/04/2023 02:40	6	238	9	9.1	0	29.5	51
14/04/2023 02:50	7	238	10	9.5	0	29.2	52
14/04/2023 03:00	6.9	237	9	10.5	0	29.1	49
14/04/2023 03:10	7.1	236	10	11.8	0	29.1	47
14/04/2023 03:20	7.3	235	9	10	0	29.1	46
14/04/2023 03:30	7.2	238	9	10.5	0	29	46
14/04/2023 03:40	6.9	231	9	9.9	0	28.9	46
14/04/2023 03:50	6.9	231	9	10.7	0	28.9	46
14/04/2023 04:00	6.6	231	8	9.1	0	28.9	46
14/04/2023 04:10	6.5	234	10	9.3	0	28.8	46
14/04/2023 04:20	7.1	233	9	10.1	0	28.8	46
14/04/2023 04:30	7.3	230	10	10.1	0	28.8	47
14/04/2023 04:40	6.9	231	8	9.5	0	28.8	47
14/04/2023 04:50	6.1	233	9	8.8	0	28.8	47
14/04/2023 05:00	6	232	9	8.2	0	28.8	47
14/04/2023 05:10	6	233	9	8.5	0	28.7	46
14/04/2023 05:20	5.5	238	8	8.4	0	28.5	48
14/04/2023 05:30	5.6	241	8	7.9	0	28.4	48
14/04/2023 05:40	5	239	9	7.1	0	28.3	47
14/04/2023 05:50	4.8	247	9	6.6	0	28.1	48
14/04/2023 06:00	5.5	252	8	7.2	0	27.6	50
14/04/2023 06:10	5.8	256	7	7.2	0	27.2	51
14/04/2023 06:20	5.9	257	6	7.3	0	26.9	52
14/04/2023 06:30	5.9	262	5	7.6	0	26.8	52
14/04/2023 06:40	6.1	262	6	7.5	0	26.6	53
14/04/2023 06:50	5.9	260	6	7.5	0	26.4	53
14/04/2023 07:00	5.7	256	7	7.4	0	26.3	53
14/04/2023 07:10	5.1	253	10	7	0	26.3	53
14/04/2023 07:20	5.4	247	9	7.3	0	26.4	53
14/04/2023 07:30	5.9	239	9	8.5	0	26.7	51
14/04/2023 07:40	6.5	238	8	9.1	0	26.8	51
14/04/2023 07:50	6.4	236	10	8.9	0	26.9	51
14/04/2023 08:00	6.4	234	11	9.3	0	27.2	51
14/04/2023 08:10	6.4	235	11	9.2	0	27.5	50
14/04/2023 08:20	6.6	235	10	9	0	27.6	50





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/04/2023 08:30	6.7	235	11	9.7	0	27.8	49
14/04/2023 08:40	6.2	234	11	9.2	0	28.2	49
14/04/2023 08:50	6.5	232	7	8.9	0	28.3	49
14/04/2023 09:00	6	238	9	8.8	0	28.7	47
14/04/2023 09:10	5.1	234	10	7.9	0	29.3	46
14/04/2023 09:20	5.4	238	11	8.2	0	29.6	44
14/04/2023 09:30	5.6	240	11	8.2	0	30	43
14/04/2023 09:40	5.9	231	11	8.5	0	30.3	42
14/04/2023 09:50	6.1	234	10	8.5	0	30	42
14/04/2023 10:00	6	234	10	8.5	0	30.1	42
14/04/2023 10:10	5.3	231	14	7.3	0	30.8	41
14/04/2023 10:20	4.7	231	16	7.5	0	31.3	40
14/04/2023 10:30	5.7	224	15	8.8	0	31.5	39
14/04/2023 10:40	5.4	223	18	8.5	0	31.6	39
14/04/2023 10:50	5	220	17	8.4	0	31.9	39
14/04/2023 11:00	5.9	225	13	9.2	0	31.9	39
14/04/2023 11:10	5.4	211	14	8.8	0	32.2	37
14/04/2023 11:20	5.6	219	15	8.5	0	32.5	36
14/04/2023 11:30	5.6	207	14	8.8	0	32.6	35
14/04/2023 11:40	5.4	221	14	8.1	0	32.8	35
14/04/2023 11:50	5.3	222	15	8.3	0	32.9	34
14/04/2023 12:00	5.2	221	21	8.4	0	33.3	34
14/04/2023 12:10	5.2	224	13	8.2	0	33.3	34
14/04/2023 12:20	5.7	225	13	8.3	0	33.5	33
14/04/2023 12:30	5.5	222	16	8.5	0	33.7	33
14/04/2023 12:40	5.6	219	12	8.6	0	33.6	34
14/04/2023 12:50	5.8	225	12	8.5	0	34	33
14/04/2023 13:00	6	232	16	9.5	0	34	32
14/04/2023 13:10	5.6	229	15	8.5	0	34.1	32
14/04/2023 13:20	6	220	13	9.1	0	34.4	32
14/04/2023 13:30	5.1	221	15	7.4	0	34.6	31
14/04/2023 13:40	5.1	225	13	7.9	0	34.8	31
14/04/2023 13:50	5.5	228	12	8.5	0	35	30
14/04/2023 14:00	5.5	225	12	7.8	0	34.8	29
14/04/2023 14:10	5.1	227	13	7.8	0	35	30
14/04/2023 14:20	5.4	222	22	7.7	0	35.1	30
14/04/2023 14:30	5.2	234	14	7.9	0	35.1	29
14/04/2023 14:40	4.9	219	16	7.7	0	35.2	31
14/04/2023 14:50	5.2	236	12	8.1	0	35	29
14/04/2023 15:00	4.5	233	15	7.2	0	34.9	30
14/04/2023 15:10	5.2	239	11	7.1	0	34.8	29
14/04/2023 15:20	4.9	239	11	7.5	0	35.3	28
14/04/2023 15:30	5.7	238	16	8.2	0	35.5	26
14/04/2023 15:40	5.6	234	11	8.1	0	35.1	27
14/04/2023 15:50	5.5	243	14	7.6	0	34.8	27
14/04/2023 16:00	5.6	235	11	7.8	0	35	27
14/04/2023 16:10	5.3	234	11	7.8	0	35.1	27
14/04/2023 16:20	5.6	237	10	7.9	0	34.9	27



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/04/2023 16:30	5.8	240	11	8.5	0	34.7	26
14/04/2023 16:40	5.6	246	11	7.8	0	34.6	26
14/04/2023 16:50	5.4	248	11	7.5	0	34.3	26
14/04/2023 17:00	5.6	248	12	8	0	34.3	26
14/04/2023 17:10	5	244	11	7.5	0	34.4	26
14/04/2023 17:20	5.4	263	11	7.6	0	33.1	39
14/04/2023 17:30	4.8	255	10	6.7	0	33.2	30
14/04/2023 17:40	4.7	254	11	6.7	0	33.5	29
14/04/2023 17:50	4.4	252	11	6.5	0	32.7	31
14/04/2023 18:00	4.6	244	11	6.9	0	32.9	27
14/04/2023 18:10	4.3	237	10	6.1	0	32.9	27
14/04/2023 18:20	4.2	239	11	6.5	0	32.7	28
14/04/2023 18:30	3.6	245	12	5.5	0	32.1	30
14/04/2023 18:40	3.6	247	12	4.9	0	31.9	30
14/04/2023 18:50	3.5	246	13	5.3	0	31.4	32
14/04/2023 19:00	3.9	236	10	6.5	0	31.8	32
14/04/2023 19:10	5.2	235	10	8.1	0	31.8	32
14/04/2023 19:20	5.2	235	9	7.1	0	31.5	34
14/04/2023 19:30	4.6	235	10	6.5	0	31.3	35
14/04/2023 19:40	4.6	236	10	6.3	0	31.3	34
14/04/2023 19:50	4.9	237	10	6.9	0	31.1	34
14/04/2023 20:00	5	237	9	6.8	0	31	34
14/04/2023 20:10	4.8	236	10	6.5	0	30.8	35
14/04/2023 20:20	4.4	235	10	6.4	0	30.6	37
14/04/2023 20:30	4.3	235	9	6.2	0	30.3	37
14/04/2023 20:40	4.3	236	10	6.2	0	30	38
14/04/2023 20:50	4	230	13	6	0	29.7	39
14/04/2023 21:00	4	219	11	5.5	0	29.5	42
14/04/2023 21:10	5.1	211	9	7.2	0	29.3	41
14/04/2023 21:20	4.4	209	7	6	0	29.1	39
14/04/2023 21:30	4.6	209	8	5.8	0	29.1	38
14/04/2023 21:40	4.6	208	8	6.1	0	29	37
14/04/2023 21:50	5	211	8	6.8	0	28.8	37
14/04/2023 22:00	5	207	8	7.3	0	28.5	38
14/04/2023 22:10	4.9	207	9	7.5	0	28.3	38
14/04/2023 22:20	4.9	205	10	6.8	0	28.2	38
14/04/2023 22:30	5.2	205	9	7.5	0	28.1	38
14/04/2023 22:40	4.9	202	8	7.2	0	27.9	39
14/04/2023 22:50	4.8	201	11	7.2	0	27.7	39
14/04/2023 23:00	5.4	206	8	7.4	0	27.7	39
14/04/2023 23:10	5.3	203	8	7.7	0	27.5	39
14/04/2023 23:20	5.7	206	8	8.5	0	27.4	39
14/04/2023 23:30	5.3	204	9	7.4	0	27.2	39
14/04/2023 23:40	5.1	203	10	7.2	0	27	40
14/04/2023 23:50	5.5	204	10	7.9	0	26.9	40
15/04/2023 00:00	5.2	203	9	7.7	0	26.7	40
15/04/2023 00:10	5.1	205	10	7.3	0	26.5	40
15/04/2023 00:20	5	202	10	7.2	0	26.4	40



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/04/2023 00:30	4.9	199	10	7.2	0	26.3	41
15/04/2023 00:40	4.6	198	10	6.9	0	26.2	40
15/04/2023 00:50	3.9	198	11	5.6	0	26	40
15/04/2023 01:00	4	195	9	6.5	0	25.8	41
15/04/2023 01:10	4.5	195	10	6.4	0	25.9	40
15/04/2023 01:20	4.5	194	10	6.8	0	25.7	40
15/04/2023 01:30	4.7	193	9	7	0	25.5	40
15/04/2023 01:40	4.7	194	9	6.7	0	25.4	40
15/04/2023 01:50	4.3	188	10	6.8	0	25.2	41
15/04/2023 02:00	4.2	191	9	6.2	0	24.9	41
15/04/2023 02:10	4.2	191	9	6.4	0	24.7	42
15/04/2023 02:20	4.5	190	9	6.2	0	24.6	42
15/04/2023 02:30	4.1	187	9	6.3	0	24.5	43
15/04/2023 02:40	3.7	186	11	5.9	0	24.3	43
15/04/2023 02:50	2.9	180	15	5.2	0	24.4	43
15/04/2023 03:00	3.1	179	15	5.3	0	24.6	43
15/04/2023 03:10	3.3	179	13	5.3	0	24.6	42
15/04/2023 03:20	2.9	180	14	4.6	0	24.5	43
15/04/2023 03:30	3	177	13	4.4	0	24.4	43
15/04/2023 03:40	1.7	155	31	4	0	24.4	43
15/04/2023 03:50	2.3	140	15	3.8	0	24.6	42
15/04/2023 04:00	1.8	163	25	3.3	0	24.5	43
15/04/2023 04:10	1.3	163	22	2.3	0	24.3	45
15/04/2023 04:20	1.8	161	18	2.9	0	24.3	47
15/04/2023 04:30	1.8	146	21	3.7	0	24.4	49
15/04/2023 04:40	2.3	135	22	4.7	0	24.6	50
15/04/2023 04:50	2.7	115	21	5.4	0	24.8	50
15/04/2023 05:00	2.1	113	21	3.9	0	24.6	52
15/04/2023 05:10	2.4	125	21	4.7	0	24.7	50
15/04/2023 05:20	2.7	114	16	5.2	0	24.6	50
15/04/2023 05:30	3.4	111	13	6.3	0	24.6	50
15/04/2023 05:40	4	110	13	7.5	0	24.6	49
15/04/2023 05:50	3.4	113	14	6.3	0	24.6	47
15/04/2023 06:00	4	113	18	6.9	0	24.5	47
15/04/2023 06:10	3.9	114	15	7.1	0	24.5	47
15/04/2023 06:20	5.1	108	13	8	0	24.5	47
15/04/2023 06:30	5.5	110	12	8.5	0	24.4	46
15/04/2023 06:40	5.3	107	12	9	0	24.4	46
15/04/2023 06:50	5.1	105	11	8.5	0	24.4	46
15/04/2023 07:00	5.8	107	10	8.8	0	24.4	46
15/04/2023 07:10	6	109	12	10.1	0	24.5	44
15/04/2023 07:20	5.7	110	13	9.4	0	24.6	44
15/04/2023 07:30	5.2	114	17	8.9	0	24.6	44
15/04/2023 07:40	5.5	114	15	10.6	0	24.7	43
15/04/2023 07:50	4.3	116	20	8.5	0	24.8	43
15/04/2023 08:00	5.9	109	14	9.9	0	24.8	43
15/04/2023 08:10	6.4	107	11	10.1	0	24.9	42
15/04/2023 08:20	7.1	105	11	10.4	0	24.9	41



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/04/2023 08:30	6.8	104	10	10.3	0	25	42
15/04/2023 08:40	7.1	105	10	11.2	0	25.1	41
15/04/2023 08:50	7.3	105	11	10.4	0	25.2	40
15/04/2023 09:00	6.8	106	11	10.7	0	25.4	41
15/04/2023 09:10	7.5	106	10	11.7	0	25.4	40
15/04/2023 09:20	6.8	103	12	10.7	0	25.7	39
15/04/2023 09:30	6.9	106	12	10.6	0	25.9	40
15/04/2023 09:40	6.5	108	13	11	0	26	39
15/04/2023 09:50	6.6	109	11	10.2	0	26.1	39
15/04/2023 10:00	7.1	107	11	10.9	0	26.2	37
15/04/2023 10:10	6.9	107	11	10	0	26.6	37
15/04/2023 10:20	6.8	108	12	10.5	0	26.5	36
15/04/2023 10:30	5.7	107	12	9.5	0	26.8	36
15/04/2023 10:40	5.7	111	13	9.5	0	27.1	36
15/04/2023 10:50	5.9	110	15	9.6	0	27.3	35
15/04/2023 11:00	6.7	109	12	10.2	0	27.4	34
15/04/2023 11:10	6.2	109	13	9.2	0	27.7	34
15/04/2023 11:20	5.8	106	13	9.5	0	28	33
15/04/2023 11:30	6.2	108	12	9.4	0	28.1	33
15/04/2023 11:40	5.8	99	11	8	0	28.3	32
15/04/2023 11:50	6	100	11	8.7	0	28.4	31
15/04/2023 12:00	6.1	100	10	8.9	0	28.6	31
15/04/2023 12:10	6.6	91	10	9.2	0	28.7	33
15/04/2023 12:20	6.1	94	10	8.8	0	28.9	33
15/04/2023 12:30	6.3	82	11	9.5	0	29.1	34
15/04/2023 12:40	7	75	7	9	0	28.7	34
15/04/2023 12:50	7.3	74	8	9.9	0	28.5	34
15/04/2023 13:00	7.4	78	6	9.5	0	28.6	34
15/04/2023 13:10	7.4	79	7	9.6	0	28.6	33
15/04/2023 13:20	7.1	83	9	10	0	28.9	34
15/04/2023 13:30	6.4	82	10	8.4	0	29.3	33
15/04/2023 13:40	6.6	84	8	8.9	0	29.4	32
15/04/2023 13:50	6.5	86	9	9.6	0	29.6	33
15/04/2023 14:00	6.2	83	10	8.8	0	29.4	33
15/04/2023 14:10	7	71	9	9.4	0	29.2	34
15/04/2023 14:20	6.4	63	10	8.6	0	29.6	34
15/04/2023 14:30	6.4	64	10	9	0	29.6	34
15/04/2023 14:40	6.7	67	10	8.7	0	29.5	34
15/04/2023 14:50	6.9	63	10	9.4	0	29.3	35
15/04/2023 15:00	6.6	64	9	9.8	0	29.3	35
15/04/2023 15:10	6.6	64	10	9.3	0	29.3	36
15/04/2023 15:20	6.1	56	11	8.8	0	29.4	36
15/04/2023 15:30	6.2	54	10	8.4	0	29.4	36
15/04/2023 15:40	6.2	63	10	8.8	0	29.3	36
15/04/2023 15:50	6.2	57	10	8.3	0	29.4	36
15/04/2023 16:00	6.5	52	7	8.3	0	29.3	37
15/04/2023 16:10	6.3	55	10	8.5	0	29.4	37
15/04/2023 16:20	5.5	55	8	7.9	0	29.4	37



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/04/2023 16:30	6.1	56	8	8.1	0	29.3	38
15/04/2023 16:40	5.6	58	8	8.1	0	29.4	38
15/04/2023 16:50	5.4	58	10	7.8	0	29.4	38
15/04/2023 17:00	5.7	59	8	7.7	0	29.2	38
15/04/2023 17:10	5.4	57	9	7.8	0	29.2	39
15/04/2023 17:20	5.2	58	7	7.2	0	29.1	39
15/04/2023 17:30	5.4	58	7	7.1	0	28.9	39
15/04/2023 17:40	5.4	59	7	7.2	0	28.7	40
15/04/2023 17:50	4.9	58	7	6.6	0	28.4	41
15/04/2023 18:00	5.1	60	6	7.1	0	28	44
15/04/2023 18:10	4.9	60	7	6.8	0	27.8	45
15/04/2023 18:20	4.6	60	7	6.5	0	27.6	46
15/04/2023 18:30	4.6	59	6	6.4	0	27.5	46
15/04/2023 18:40	4.5	59	7	5.9	0	27.4	47
15/04/2023 18:50	4.2	59	7	5.5	0	27.4	47
15/04/2023 19:00	3.6	61	8	4.9	0	27.4	47
15/04/2023 19:10	1.8	181	39	3.6	0	27.2	48
15/04/2023 19:20	2.6	257	18	3.5	0	27.4	47
15/04/2023 19:30	1.8	275	21	2.6	0	27.7	45
15/04/2023 19:40	1	49	34	1.6	0	27.5	46
15/04/2023 19:50	1	180	17	1.6	0	27.6	46
15/04/2023 20:00	1.6	293	9	2.1	0	27.3	46
15/04/2023 20:10	1.1	310	7	1.5	0	27.5	46
15/04/2023 20:20	0.3	333	28	0.9	0	27.4	47
15/04/2023 20:30	0.9	35	7	1.2	0	27.2	48
15/04/2023 20:40	1.2	67	8	1.7	0	26.2	52
15/04/2023 20:50	1	67	9	1.4	0	25.7	54
15/04/2023 21:00	0.9	115	20	1.5	0	25.7	54
15/04/2023 21:10	2.2	134	25	4	0	26.1	56
15/04/2023 21:20	2	154	20	4.1	0	26.6	52
15/04/2023 21:30	3.2	121	18	6.5	0	27.2	39
15/04/2023 21:40	4.7	109	12	7.2	0	27.6	30
15/04/2023 21:50	4.2	110	12	6.4	0	27.5	29
15/04/2023 22:00	3.7	107	13	5.9	0	27.2	30
15/04/2023 22:10	3.7	111	14	6.9	0	27.2	30
15/04/2023 22:20	3.8	107	12	6.4	0	26.9	31
15/04/2023 22:30	4.9	108	13	7.4	0	27	29
15/04/2023 22:40	4.2	105	13	6.9	0	26.7	30
15/04/2023 22:50	4.6	106	11	7.3	0	26.6	29
15/04/2023 23:00	4.6	107	13	7.4	0	26.4	30
15/04/2023 23:10	4.4	106	12	7.2	0	26.3	29
15/04/2023 23:20	4	106	12	6.3	0	26	32
15/04/2023 23:30	4.8	106	14	7.9	0	25.9	31
15/04/2023 23:40	4.2	104	12	6.8	0	25.9	31
15/04/2023 23:50	2.7	107	17	4.6	0	25.4	34
16/04/2023 00:00	3.8	109	13	6.6	0	25.4	34
16/04/2023 00:10	4.7	107	11	7.3	0	25.5	32
16/04/2023 00:20	4.7	108	11	7	0	25.4	32



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/04/2023 00:30	4	108	13	5.9	0	25.2	32
16/04/2023 00:40	3.8	107	13	6.1	0	25	32
16/04/2023 00:50	4.5	108	10	7	0	25.1	31
16/04/2023 01:00	4.5	106	11	6.6	0	25	32
16/04/2023 01:10	4.4	107	12	7.2	0	24.9	32
16/04/2023 01:20	4.3	106	12	6.4	0	24.7	33
16/04/2023 01:30	4.2	107	12	6.7	0	24.4	34
16/04/2023 01:40	4.4	106	11	6.4	0	24.3	35
16/04/2023 01:50	4.1	105	10	6.3	0	24.2	35
16/04/2023 02:00	4.4	107	11	7.2	0	24.1	35
16/04/2023 02:10	4.7	105	11	8.3	0	24	35
16/04/2023 02:20	4.6	106	11	7.1	0	23.9	35
16/04/2023 02:30	5.3	106	10	8	0	23.8	34
16/04/2023 02:40	5.5	107	11	9	0	23.7	35
16/04/2023 02:50	5.9	108	12	9.8	0	23.5	35
16/04/2023 03:00	6.2	107	11	9.8	0	23.5	35
16/04/2023 03:10	6.5	107	13	10.4	0	23.4	35
16/04/2023 03:20	7.6	105	11	11.9	0	23.2	35
16/04/2023 03:30	7.3	106	11	10.8	0	23.1	35
16/04/2023 03:40	7.1	107	12	11	0	22.9	36
16/04/2023 03:50	7.2	108	11	12	0	22.8	38
16/04/2023 04:00	7.2	107	13	11.9	0	22.7	37
16/04/2023 04:10	7.7	108	12	12.1	0	22.6	37
16/04/2023 04:20	7	105	11	10.6	0	22.4	39
16/04/2023 04:30	7.8	108	12	12.3	0	22.4	39
16/04/2023 04:40	7.2	107	11	11.4	0	22.3	40
16/04/2023 04:50	7.3	102	11	11.1	0	22.2	39
16/04/2023 05:00	7.8	103	11	12.3	0	22.1	39
16/04/2023 05:10	7.6	102	11	12.5	0	22	39
16/04/2023 05:20	7.6	103	11	11.5	0	21.9	40
16/04/2023 05:30	7.9	105	10	10.7	0	21.9	42
16/04/2023 05:40	7.7	106	11	11.9	0	21.8	42
16/04/2023 05:50	8.1	106	11	13.3	0	21.7	42
16/04/2023 06:00	8.9	108	10	13.4	0	21.6	40
16/04/2023 06:10	8.7	106	11	13.1	0	21.5	40
16/04/2023 06:20	8.2	107	12	12	0	21.3	42
16/04/2023 06:30	8.3	106	10	13.1	0	21.2	42
16/04/2023 06:40	7.9	107	10	12.6	0	21.1	42
16/04/2023 06:50	8.6	107	10	13	0	21.2	42
16/04/2023 07:00	8	108	12	12.8	0	21.3	43
16/04/2023 07:10	8.9	108	12	13.2	0	21.3	42
16/04/2023 07:20	8.3	107	11	12.8	0	21.4	42
16/04/2023 07:30	8.9	108	11	12.8	0	21.4	41
16/04/2023 07:40	9.4	109	10	13.5	0	21.5	40
16/04/2023 07:50	9.3	109	12	14.5	0	21.6	40
16/04/2023 08:00	8.7	108	11	13.6	0	21.8	40
16/04/2023 08:10	8.6	108	10	14	0	22	40
16/04/2023 08:20	8.3	106	10	12.6	0	22.3	39



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/04/2023 08:30	8.6	107	10	13.2	0	22.5	38
16/04/2023 08:40	8.6	109	12	13.2	0	22.7	38
16/04/2023 08:50	8.2	109	12	12.8	0	23.1	38
16/04/2023 09:00	8.5	109	11	13.5	0	23.3	35
16/04/2023 09:10	8.4	104	11	13.4	0	23.6	35
16/04/2023 09:20	9	107	11	12.7	0	23.8	34
16/04/2023 09:30	8.7	104	12	14.1	0	24	33
16/04/2023 09:40	9.2	107	12	14	0	24.1	32
16/04/2023 09:50	8.8	107	11	13.1	0	24.3	32
16/04/2023 10:00	8.4	106	12	14	0	24.5	33
16/04/2023 10:10	8	104	10	12.6	0	24.8	32
16/04/2023 10:20	8.5	105	11	12.1	0	25	32
16/04/2023 10:30	8.8	99	10	13	0	25.2	30
16/04/2023 10:40	7.9	101	11	12.2	0	25.5	31
16/04/2023 10:50	8	104	12	11.5	0	25.7	30
16/04/2023 11:00	8.4	101	12	12.4	0	25.9	31
16/04/2023 11:10	8.7	98	9	12.9	0	25.9	31
16/04/2023 11:20	9.1	93	8	12.4	0	25.9	32
16/04/2023 11:30	9	91	9	13.4	0	26.4	30
16/04/2023 11:40	9.1	91	8	12.9	0	26.5	31
16/04/2023 11:50	9.2	93	8	12.9	0	26.4	30
16/04/2023 12:00	8.5	92	10	11.7	0	26.8	31
16/04/2023 12:10	9	92	9	12.3	0	26.6	30
16/04/2023 12:20	8.3	91	9	11.4	0	26.9	31
16/04/2023 12:30	9	85	7	11.8	0	26.7	31
16/04/2023 12:40	8.7	82	8	12.3	0	26.9	31
16/04/2023 12:50	8.2	86	8	11.3	0	27.2	30
16/04/2023 13:00	8.1	86	8	11.3	0	27.6	31
16/04/2023 13:10	8	81	9	11.9	0	27.6	31
16/04/2023 13:20	8.6	85	8	11.3	0	27.4	31
16/04/2023 13:30	8.3	83	8	11.1	0	27.5	31
16/04/2023 13:40	8	82	10	10.8	0	27.5	32
16/04/2023 13:50	7.2	82	10	10	0	28	31
16/04/2023 14:00	8.9	76	6	11.2	0	27.3	33
16/04/2023 14:10	8.8	76	7	11.4	0	27	35
16/04/2023 14:20	8.5	76	7	10.9	0	27.2	34
16/04/2023 14:30	8.8	75	6	11.1	0	27.1	34
16/04/2023 14:40	7.8	79	8	10.6	0	27.4	34
16/04/2023 14:50	7.7	78	9	10	0	27.7	34
16/04/2023 15:00	6.9	81	10	9.7	0	28	33
16/04/2023 15:10	6.7	82	9	9.8	0	28.1	32
16/04/2023 15:20	7.1	74	9	10.3	0	28.2	32
16/04/2023 15:30	6.8	60	9	9	0	28.1	34
16/04/2023 15:40	7	60	8	9.7	0	27.9	34
16/04/2023 15:50	7.1	60	7	9.3	0	27.8	34
16/04/2023 16:00	7.1	61	8	9.5	0	27.7	33
16/04/2023 16:10	7.2	61	7	9.2	0	27.6	34
16/04/2023 16:20	7	60	8	9.7	0	27.7	34



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/04/2023 16:30	6.6	62	7	8.4	0	27.7	35
16/04/2023 16:40	6.5	60	9	8.7	0	27.7	35
16/04/2023 16:50	5.6	63	9	7.7	0	27.9	34
16/04/2023 17:00	5.8	65	8	7.9	0	27.8	34
16/04/2023 17:10	5.6	63	8	7.3	0	27.7	34
16/04/2023 17:20	5.9	63	8	7.7	0	27.6	35
16/04/2023 17:30	5.9	65	8	7.9	0	27.5	35
16/04/2023 17:40	5.6	63	7	7.3	0	27.4	35
16/04/2023 17:50	5.2	62	7	7.2	0	27.1	36
16/04/2023 18:00	4.9	63	7	6.8	0	26.8	37
16/04/2023 18:10	4.8	63	7	6.3	0	26.7	37
16/04/2023 18:20	3.8	69	8	5.5	0	26.6	38
16/04/2023 18:30	3.6	68	9	5	0	26.5	38
16/04/2023 18:40	3.4	54	7	4.9	0	26	44
16/04/2023 18:50	2.6	59	9	3.7	0	25.7	45
16/04/2023 19:00	2.7	61	7	3.9	0	25.5	46
16/04/2023 19:10	2.5	59	7	3.3	0	25.2	47
16/04/2023 19:20	2.6	61	6	3.3	0	25	49
16/04/2023 19:30	2.4	62	8	3.4	0	24.8	50
16/04/2023 19:40	2.2	60	6	3.1	0	24.6	51
16/04/2023 19:50	1.8	59	7	2.5	0	24.3	52
16/04/2023 20:00	2.2	60	7	3	0	24.2	54
16/04/2023 20:10	2.4	54	6	3.2	0	24.1	54
16/04/2023 20:20	2.2	57	5	3	0	24.2	55
16/04/2023 20:30	2.1	58	7	2.8	0	24.1	55
16/04/2023 20:40	2.3	53	6	2.8	0	24	56
16/04/2023 20:50	2.4	54	5	3.1	0	24	57
16/04/2023 21:00	2.5	56	5	3.4	0	24.1	57
16/04/2023 21:10	2.5	53	5	3.5	0	24	58
16/04/2023 21:20	2.1	51	5	3.1	0	24.1	58
16/04/2023 21:30	2.3	52	5	3.1	0	24.1	58
16/04/2023 21:40	2.1	53	5	2.8	0	24	58
16/04/2023 21:50	2.4	53	4	2.9	0	23.9	60
16/04/2023 22:00	2.5	53	4	3.4	0	23.6	61
16/04/2023 22:10	2.8	55	4	3.6	0	23.6	62
16/04/2023 22:20	2.7	58	6	3.7	0	23.9	61
16/04/2023 22:30	2.8	60	7	4.5	0	24.1	60
16/04/2023 22:40	3.1	63	6	4.1	0	24.3	60
16/04/2023 22:50	3	63	7	4.6	0	24.7	57
16/04/2023 23:00	3	66	7	4.5	0	24.7	56
16/04/2023 23:10	3.7	72	7	5.5	0	25.4	52
16/04/2023 23:20	4.1	74	8	6.9	0	25.9	50
16/04/2023 23:30	3.8	74	7	5.6	0	25.9	51
16/04/2023 23:40	4.2	77	6	6	0	26	50
16/04/2023 23:50	4.8	79	7	6.4	0	26.3	45
17/04/2023 00:00	5	84	8	7.3	0	26.6	40
17/04/2023 00:10	5	83	7	7.6	0	26.6	40
17/04/2023 00:20	4.6	85	8	6.7	0	26.4	42





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/04/2023 00:30	4.7	88	8	7.7	0	26.4	42
17/04/2023 00:40	5.1	90	9	7.4	0	26.4	43
17/04/2023 00:50	2.8	114	17	4.3	0	25.5	58
17/04/2023 01:00	2.1	133	20	3.6	0	24.1	64
17/04/2023 01:10	2.1	135	19	3.4	0	23.6	65
17/04/2023 01:20	1.5	122	30	2.6	0	23.4	66
17/04/2023 01:30	1.7	114	21	3	0	23	66
17/04/2023 01:40	1.6	124	22	3.5	0	23	65
17/04/2023 01:50	2	132	21	3.5	0	23	64
17/04/2023 02:00	1.8	135	24	3.3	0	22.8	63
17/04/2023 02:10	2	135	22	3.4	0	22.9	61
17/04/2023 02:20	2.2	133	20	3.8	0	22.8	60
17/04/2023 02:30	1.9	132	22	4	0	22.4	61
17/04/2023 02:40	2.1	130	22	3.8	0	22.1	62
17/04/2023 02:50	2.1	134	15	3.5	0	22	60
17/04/2023 03:00	1.9	131	24	3.5	0	21.9	58
17/04/2023 03:10	1.4	117	25	2.9	0	21.6	57
17/04/2023 03:20	1.8	124	26	3.8	0	21.4	58
17/04/2023 03:30	1.5	120	23	3.1	0	21.6	55
17/04/2023 03:40	2.6	133	19	5.1	0	21.7	54
17/04/2023 03:50	2.2	126	25	3.8	0	22.1	51
17/04/2023 04:00	4.3	108	11	6.9	0	22.7	49
17/04/2023 04:10	5.1	109	12	7.4	0	23.4	43
17/04/2023 04:20	5	110	10	7.4	0	23.1	43
17/04/2023 04:30	4.2	110	13	6.4	0	22.8	44
17/04/2023 04:40	4.5	109	13	6.9	0	22.8	41
17/04/2023 04:50	3.5	109	15	5.9	0	22.7	43
17/04/2023 05:00	2.9	105	15	5.6	0	22.4	43
17/04/2023 05:10	3.4	109	15	6.7	0	22.4	42
17/04/2023 05:20	3.6	107	12	6.2	0	22.3	42
17/04/2023 05:30	3.7	107	12	6.2	0	22.3	41
17/04/2023 05:40	3.4	105	13	6.5	0	22.1	43
17/04/2023 05:50	4.5	106	13	7.9	0	22.3	41
17/04/2023 06:00	3.9	104	12	6.3	0	22.4	41
17/04/2023 06:10	3.8	107	13	6.5	0	22.3	41
17/04/2023 06:20	3.9	106	13	6.4	0	22.3	41
17/04/2023 06:30	4	106	14	6.7	0	22.3	42
17/04/2023 06:40	3.7	105	13	5.7	0	22.3	43
17/04/2023 06:50	3.6	104	11	6.1	0	22.5	43
17/04/2023 07:00	3.3	107	15	5.4	0	22.7	42
17/04/2023 07:10	3.4	106	14	5.6	0	22.9	42
17/04/2023 07:20	3.8	105	13	6.4	0	23.1	41
17/04/2023 07:30	3.6	108	15	5.9	0	23.2	41
17/04/2023 07:40	4.3	107	16	7.5	0	23.4	41
17/04/2023 07:50	4.9	108	14	7.4	0	23.5	40
17/04/2023 08:00	5.2	109	14	9	0	23.6	39
17/04/2023 08:10	4.2	111	14	6.8	0	23.9	40
17/04/2023 08:20	3.3	114	18	6.1	0	24.2	40



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/04/2023 08:30	3.7	106	15	6.7	0	24.5	41
17/04/2023 08:40	5.5	106	12	8.2	0	24.9	38
17/04/2023 08:50	4.9	105	11	8.2	0	25.5	36
17/04/2023 09:00	5.9	102	13	8.9	0	25.9	34
17/04/2023 09:10	6.6	98	11	10.7	0	26.2	34
17/04/2023 09:20	7.6	91	7	10.7	0	26.3	34
17/04/2023 09:30	7.9	95	9	10.9	0	26.1	35
17/04/2023 09:40	8	95	8	11.5	0	26	35
17/04/2023 09:50	7.5	95	10	11.1	0	26.3	35
17/04/2023 10:00	7.6	92	9	10.1	0	26.5	35
17/04/2023 10:10	6.7	93	10	9.9	0	27.1	36
17/04/2023 10:20	7.7	92	8	9.9	0	26.9	35
17/04/2023 10:30	6.9	90	8	10.3	0	27.1	36
17/04/2023 10:40	6.5	96	10	9.3	0	27.2	36
17/04/2023 10:50	7.1	93	9	9.8	0	27.3	36
17/04/2023 11:00	6.4	94	12	9.1	0	27.5	36
17/04/2023 11:10	5.9	96	11	8.3	0	27.9	35
17/04/2023 11:20	7	91	10	10	0	27.9	34
17/04/2023 11:30	6.9	90	10	9.9	0	27.9	34
17/04/2023 11:40	5.9	90	12	8.3	0	28.4	35
17/04/2023 11:50	6.6	78	10	8.9	0	28.2	35
17/04/2023 12:00	6.8	76	9	9.2	0	28.3	35
17/04/2023 12:10	7	74	7	9.2	0	28.1	36
17/04/2023 12:20	7.1	75	9	9.4	0	28.2	35
17/04/2023 12:30	7.4	75	7	9.3	0	28	34
17/04/2023 12:40	6.9	85	8	8.9	0	28.6	32
17/04/2023 12:50	6.8	86	8	9.1	0	28.6	32
17/04/2023 13:00	6.3	65	10	8.7	0	29	29
17/04/2023 13:10	6.2	61	9	8.5	0	28.7	31
17/04/2023 13:20	6.3	63	9	8.9	0	28.6	30
17/04/2023 13:30	6.5	58	10	8.8	0	28.8	31
17/04/2023 13:40	6.5	56	8	9.4	0	28.7	30
17/04/2023 13:50	6.3	69	10	8.6	0	28.6	30
17/04/2023 14:00	6.7	68	11	8.8	0	28.6	30
17/04/2023 14:10	6	63	12	8	0	28.8	30
17/04/2023 14:20	6.2	54	9	8.9	0	28.6	31
17/04/2023 14:30	5.7	57	10	7.6	0	28.8	31
17/04/2023 14:40	5.7	62	7	7.5	0	28.6	32
17/04/2023 14:50	4.9	62	9	7.6	0	28.7	32
17/04/2023 15:00	4.4	52	14	6.1	0	29	32
17/04/2023 15:10	4.4	47	10	7.3	0	28.9	32
17/04/2023 15:20	4.5	44	13	6.1	0	28.8	31
17/04/2023 15:30	4.6	51	8	6.3	0	28.8	31
17/04/2023 15:40	4.4	50	11	6.4	0	28.9	31
17/04/2023 15:50	3.5	46	14	5.3	0	29.1	31
17/04/2023 16:00	3.7	49	9	5.3	0	29.1	31
17/04/2023 16:10	3.4	55	9	5	0	29.2	30
17/04/2023 16:20	4.1	65	10	5.4	0	29.2	31



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/04/2023 16:30	3.7	59	9	4.7	0	29.2	31
17/04/2023 16:40	4.1	52	8	5	0	29.2	30
17/04/2023 16:50	4.3	48	7	5.2	0	28.8	32
17/04/2023 17:00	3.8	43	9	5.1	0	29	31
17/04/2023 17:10	4.1	51	6	5.4	0	28.6	31
17/04/2023 17:20	3.8	49	6	4.8	0	28.4	34
17/04/2023 17:30	3.5	57	7	4.4	0	28.2	37
17/04/2023 17:40	2.9	53	9	4.1	0	27.9	39
17/04/2023 17:50	2.2	59	12	3.2	0	27.2	41
17/04/2023 18:00	2.8	61	9	3.9	0	26.6	44
17/04/2023 18:10	2.2	62	9	3.3	0	26.3	45
17/04/2023 18:20	1.7	55	8	2.3	0	25.9	48
17/04/2023 18:30	2.2	59	7	3	0	25.6	49
17/04/2023 18:40	2.1	58	10	3.5	0	25.7	48
17/04/2023 18:50	2.2	62	8	2.8	0	25.6	50
17/04/2023 19:00	2.1	55	9	2.8	0	25.4	48
17/04/2023 19:10	1.6	61	11	2.4	0	25.4	46
17/04/2023 19:20	1.4	64	10	2	0	25.6	45
17/04/2023 19:30	1.8	74	7	2.4	0	25.5	47
17/04/2023 19:40	1.3	68	8	1.9	0	25.2	50
17/04/2023 19:50	0.4	89	33	0.9	0	24.7	52
17/04/2023 20:00	0.2	234	45	0.3	0	24.8	51
17/04/2023 20:10	0.2	284	57	0.4	0	25	51
17/04/2023 20:20	0.4	275	15	0.5	0	25.1	50
17/04/2023 20:30	0.5	263	11	0.7	0	25.2	50
17/04/2023 20:40	0.4	267	26	0.7	0	24.3	54
17/04/2023 20:50	0.7	269	8	1	0	23.8	58
17/04/2023 21:00	0.5	281	12	0.8	0	24	56
17/04/2023 21:10	0.3	278	14	0.4	0	24.3	55
17/04/2023 21:20	0.6	253	14	1	0	24.3	55
17/04/2023 21:30	0.9	239	10	1.3	0	24.3	54
17/04/2023 21:40	1.2	249	7	1.6	0	24.3	54
17/04/2023 21:50	1.4	261	7	1.9	0	24.4	54
17/04/2023 22:00	1.2	257	13	1.7	0	24.2	55
17/04/2023 22:10	1.5	262	13	2.2	0	24.4	54
17/04/2023 22:20	0.8	275	26	1.5	0	23.9	55
17/04/2023 22:30	1.1	281	19	1.7	0	23.7	59
17/04/2023 22:40	1.1	291	40	2.1	0	23.5	61
17/04/2023 22:50	1.4	312	47	2.1	0	23	64
17/04/2023 23:00	0.8	219	50	1.4	0	23.3	64
17/04/2023 23:10	0.7	294	32	1.1	0	23.6	63
17/04/2023 23:20	0.9	312	13	1.3	0	23.7	62
17/04/2023 23:30	0.7	315	14	1.1	0	23.8	61
17/04/2023 23:40	0.9	270	28	1.5	0	23.7	61
17/04/2023 23:50	1.3	293	8	1.7	0	23.6	61
18/04/2023 00:00	1	333	27	1.6	0	22.9	63
18/04/2023 00:10	0.9	181	33	1.4	0	23.2	61
18/04/2023 00:20	0.6	183	33	1	0	22.4	64



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/04/2023 00:30	0.6	170	27	1	0	22.5	64
18/04/2023 00:40	0.5	304	26	0.8	0	23.1	62
18/04/2023 00:50	0.4	32	36	0.9	0	22.8	63
18/04/2023 01:00	0.5	187	25	0.8	0	23.2	62
18/04/2023 01:10	0.4	171	30	0.8	0	22.5	64
18/04/2023 01:20	0.8	114	18	1.3	0	22.6	64
18/04/2023 01:30	1	183	14	1.7	0	22.7	62
18/04/2023 01:40	0.6	228	43	1.2	0	22.6	62
18/04/2023 01:50	0.9	318	36	1.3	0	22.8	62
18/04/2023 02:00	0.9	334	18	1.2	0	23	60
18/04/2023 02:10	0.8	287	36	1.2	0	23	59
18/04/2023 02:20	0.5	293	32	1	0	22.3	61
18/04/2023 02:30	0.5	310	80	1	0	22.3	61
18/04/2023 02:40	0.6	253	76	1.4	0	22.5	60
18/04/2023 02:50	1	125	44	1.8	0	22.4	60
18/04/2023 03:00	0.7	143	55	1.6	0	22.6	59
18/04/2023 03:10	0.7	232	40	1.6	0	22.5	59
18/04/2023 03:20	1	277	29	1.9	0	22.3	59
18/04/2023 03:30	1.5	197	26	2.6	0	22.9	57
18/04/2023 03:40	1.2	215	15	1.9	0	23.3	55
18/04/2023 03:50	0.6	207	37	1.4	0	23	56
18/04/2023 04:00	0.7	242	58	2.4	0	22.6	58
18/04/2023 04:10	0.7	195	47	1.6	0	22.4	59
18/04/2023 04:20	0.6	98	68	1.5	0	22.2	60
18/04/2023 04:30	1	117	68	2.1	0	22.1	60
18/04/2023 04:40	1	162	43	1.6	0	22.1	59
18/04/2023 04:50	1	81	29	1.6	0	21.7	60
18/04/2023 05:00	1.7	155	17	2.6	0	22.1	59
18/04/2023 05:10	1.5	151	38	2.9	0	22.5	56
18/04/2023 05:20	1	107	28	2	0	22.2	57
18/04/2023 05:30	1.6	155	30	3.3	0	22.1	57
18/04/2023 05:40	2	133	32	3.1	0	22.4	55
18/04/2023 05:50	1.9	175	18	3.2	0	22.2	55
18/04/2023 06:00	1.3	162	16	2.3	0	22.3	54
18/04/2023 06:10	1.3	150	26	2.7	0	22.2	53
18/04/2023 06:20	0.9	51	13	1.3	0	21.5	56
18/04/2023 06:30	1	44	9	1.4	0	21.2	57
18/04/2023 06:40	0.8	50	12	1.1	0	21.2	57
18/04/2023 06:50	0.8	43	15	1.2	0	21.3	58
18/04/2023 07:00	0.8	66	19	1.3	0	21.6	58
18/04/2023 07:10	0.8	62	16	1.2	0	22	58
18/04/2023 07:20	1.1	57	19	2	0	22.6	56
18/04/2023 07:30	1.1	111	23	2	0	23.8	48
18/04/2023 07:40	1.3	197	15	2.2	0	23.7	47
18/04/2023 07:50	0.8	191	28	1.9	0	23.7	47
18/04/2023 08:00	1.3	113	26	2.6	0	25.1	39
18/04/2023 08:10	2	101	19	3.3	0	25.7	37
18/04/2023 08:20	2.3	111	21	3.9	0	25.7	37



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/04/2023 08:30	3.2	106	14	4.8	0	25.6	37
18/04/2023 08:40	3.2	100	12	5.1	0	25.5	39
18/04/2023 08:50	2.8	106	14	5	0	25.9	38
18/04/2023 09:00	2.9	104	16	4.5	0	26.1	39
18/04/2023 09:10	2.8	115	15	4.2	0	26.5	38
18/04/2023 09:20	2.4	130	17	4.5	0	27.1	37
18/04/2023 09:30	2.7	124	20	4.4	0	27.5	37
18/04/2023 09:40	3	109	17	5.1	0	28	34
18/04/2023 09:50	3	116	15	4.9	0	28.4	33
18/04/2023 10:00	2.7	112	17	4.2	0	28.7	31
18/04/2023 10:10	2.8	123	20	5.3	0	29.2	34
18/04/2023 10:20	5.5	93	10	7.5	0	29.5	32
18/04/2023 10:30	5.9	90	11	8.5	0.1	29.4	34
18/04/2023 10:40	6.3	83	11	9.3	0	29.3	34
18/04/2023 10:50	7.4	75	8	10	0	29.1	34
18/04/2023 11:00	6.4	81	10	9	0	29.2	35
18/04/2023 11:10	6.2	83	11	9	0	29.5	36
18/04/2023 11:20	6	83	11	8.7	0	29.7	37
18/04/2023 11:30	6.2	84	11	9	0	29.7	37
18/04/2023 11:40	6.7	89	10	9.4	0	29.8	36
18/04/2023 11:50	6.2	87	9	8.6	0	29.7	36
18/04/2023 12:00	6.2	86	9	8.7	0	30	36
18/04/2023 12:10	6.5	86	11	8.9	0	30.1	36
18/04/2023 12:20	6.6	86	9	9.1	0	30.1	36
18/04/2023 12:30	7	77	9	10	0	30.1	36
18/04/2023 12:40	7.2	70	7	10	0	29.9	36
18/04/2023 12:50	7.1	76	9	10.2	0	30	35
18/04/2023 13:00	6.1	65	9	8.7	0	30.8	35
18/04/2023 13:10	6.7	62	10	9.8	0	30.6	35
18/04/2023 13:20	7.4	57	8	9.5	0	30.4	34
18/04/2023 13:30	7.5	58	7	9.9	0	30.1	34
18/04/2023 13:40	7.4	62	8	9.7	0	30.1	34
18/04/2023 13:50	7.4	64	9	9.8	0	30.3	33
18/04/2023 14:00	6.7	63	9	8.6	0	30.7	31
18/04/2023 14:10	6.2	62	9	8.5	0	30.8	33
18/04/2023 14:20	5.9	55	9	8	0	30.9	34
18/04/2023 14:30	6.4	53	9	8.3	0	30.6	34
18/04/2023 14:40	5.8	51	13	8.4	0	30.9	32
18/04/2023 14:50	6.9	53	6	8.8	0	30.6	30
18/04/2023 15:00	6.5	60	8	8.4	0	30.6	33
18/04/2023 15:10	6.3	55	7	7.7	0	30.3	35
18/04/2023 15:20	6	63	10	8.3	0	30.6	34
18/04/2023 15:30	5.6	61	13	7.8	0	30.7	33
18/04/2023 15:40	5.7	61	8	7.4	0	30.5	33
18/04/2023 15:50	5.3	61	9	7.2	0	30.6	33
18/04/2023 16:00	5.3	63	11	7.6	0	30.5	34
18/04/2023 16:10	5.6	61	10	7.2	0	30.2	38
18/04/2023 16:20	5.6	65	8	7.5	0	30	41



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/04/2023 16:30	5.5	64	9	7.3	0	29.9	41
18/04/2023 16:40	5.8	70	6	7.6	0	29.8	40
18/04/2023 16:50	5.2	64	7	6.9	0	29.8	39
18/04/2023 17:00	5.4	60	8	7	0	29.6	40
18/04/2023 17:10	5.4	63	7	7.2	0	29.3	44
18/04/2023 17:20	5.3	63	7	6.9	0	29.1	44
18/04/2023 17:30	4.8	63	7	6.3	0	28.9	46
18/04/2023 17:40	4.4	63	7	6.2	0	28.5	46
18/04/2023 17:50	3.7	64	8	5.5	0	28.1	48
18/04/2023 18:00	3.5	67	7	5	0	27.6	53
18/04/2023 18:10	3.9	64	7	5.6	0	27.3	54
18/04/2023 18:20	3.3	65	7	4.4	0	27.1	55
18/04/2023 18:30	3.3	63	8	4.6	0	26.8	56
18/04/2023 18:40	3.1	68	7	4.4	0	26.7	57
18/04/2023 18:50	2.8	67	6	3.6	0	26.4	59
18/04/2023 19:00	2.3	60	6	3	0	26	60
18/04/2023 19:10	2	63	9	2.7	0	25.7	62
18/04/2023 19:20	1.8	61	8	2.7	0	25.7	62
18/04/2023 19:30	1.5	62	10	2.3	0	25.6	62
18/04/2023 19:40	2.2	58	6	2.9	0	25.6	61
18/04/2023 19:50	2.2	61	5	2.8	0	25.4	63
18/04/2023 20:00	1.8	66	6	2.3	0	25.4	66
18/04/2023 20:10	1.1	65	10	1.7	0	25.2	68
18/04/2023 20:20	1.1	74	8	1.6	0	25.1	68
18/04/2023 20:30	1.4	59	5	1.7	0	25	68
18/04/2023 20:40	1.4	55	5	1.8	0	24.8	63
18/04/2023 20:50	1.2	65	8	1.6	0	24.9	59
18/04/2023 21:00	0.7	79	8	1.1	0	24.8	62
18/04/2023 21:10	0.8	88	7	1.3	0	24.7	66
18/04/2023 21:20	0.7	85	9	1	0	24.8	67
18/04/2023 21:30	0.6	71	8	0.8	0	24.6	67
18/04/2023 21:40	0.3	69	16	0.6	0	24.5	67
18/04/2023 21:50	0.2	157	25	0.4	0	24.3	66
18/04/2023 22:00	0.2	229	6	0.3	0	24.7	66
18/04/2023 22:10	0.5	220	10	0.8	0	25.1	68
18/04/2023 22:20	0.7	247	10	1.1	0	25.2	67
18/04/2023 22:30	0.4	295	26	0.7	0	25.5	69
18/04/2023 22:40	0.3	277	61	0.6	0	25.4	70
18/04/2023 22:50	1.1	260	10	1.4	0	24.6	71
18/04/2023 23:00	1.8	266	5	2.2	0	24.6	71
18/04/2023 23:10	1.4	273	10	1.8	0	24.2	72
18/04/2023 23:20	0.7	260	26	1.3	0	24	73
18/04/2023 23:30	0.6	290	25	1.2	0	24	72
18/04/2023 23:40	0.6	49	27	0.9	0	23.9	71
18/04/2023 23:50	0.9	92	29	1.4	0	23.9	70
19/04/2023 00:00	1.3	159	14	1.9	0	24.4	66
19/04/2023 00:10	1.3	163	12	1.9	0	24.5	65
19/04/2023 00:20	0.9	151	30	1.6	0	24.1	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/04/2023 00:30	1.4	162	20	2.3	0	23.9	66
19/04/2023 00:40	1.8	151	14	2.6	0	24.5	63
19/04/2023 00:50	2.2	158	10	2.9	0	24.6	63
19/04/2023 01:00	1.5	191	18	2.7	0	24.2	63
19/04/2023 01:10	1.9	184	18	3.4	0	23.9	63
19/04/2023 01:20	1.5	184	22	2.6	0	23.7	63
19/04/2023 01:30	1.4	164	19	2.6	0	23.8	62
19/04/2023 01:40	1.2	156	32	2.3	0	23.9	61
19/04/2023 01:50	0.9	161	28	1.4	0	24	61
19/04/2023 02:00	0.7	169	26	1.1	0	23.9	61
19/04/2023 02:10	0.9	174	14	1.3	0	23.9	61
19/04/2023 02:20	0.6	110	21	0.8	0	23.4	62
19/04/2023 02:30	0.5	69	19	0.8	0	23.4	62
19/04/2023 02:40	0.8	71	13	1	0	22.7	65
19/04/2023 02:50	1.1	61	14	1.5	0	22.9	64
19/04/2023 03:00	0.8	54	12	1.1	0	23.4	63
19/04/2023 03:10	1	33	12	1.2	0	23.2	63
19/04/2023 03:20	1.1	45	5	1.4	0	23.1	63
19/04/2023 03:30	1.1	43	5	1.5	0	23	63
19/04/2023 03:40	1.2	56	8	1.5	0	22.9	63
19/04/2023 03:50	0.9	99	23	1.5	0	22.4	65
19/04/2023 04:00	1.3	113	25	2.4	0	22.8	59
19/04/2023 04:10	1.3	93	25	2	0	23.4	55
19/04/2023 04:20	1	80	26	1.8	0	23.2	57
19/04/2023 04:30	1.2	107	24	2	0	23.2	57
19/04/2023 04:40	1.4	106	25	2.7	0	23.2	56
19/04/2023 04:50	1.5	103	21	2.7	0	23.2	56
19/04/2023 05:00	1.6	98	16	2.6	0	23.1	57
19/04/2023 05:10	1.9	101	15	2.8	0	22.8	59
19/04/2023 05:20	1.6	98	21	3	0	22.4	61
19/04/2023 05:30	1.6	111	25	3.7	0	22.5	60
19/04/2023 05:40	1.8	102	20	3.5	0	22.5	59
19/04/2023 05:50	2.6	102	14	4.5	0	22.2	58
19/04/2023 06:00	4.7	105	11	7.6	0	23.2	48
19/04/2023 06:10	4.2	100	11	6.1	0	23.6	46
19/04/2023 06:20	5	98	11	7.1	0	24	44
19/04/2023 06:30	5.6	102	11	9.5	0	24.2	41
19/04/2023 06:40	5.6	103	12	8.3	0	24.3	40
19/04/2023 06:50	5	103	11	7.6	0	24.4	41
19/04/2023 07:00	5.5	106	10	9.1	0	24.6	40
19/04/2023 07:10	5.4	104	10	8.6	0	24.7	40
19/04/2023 07:20	5.1	107	12	7.5	0	24.7	40
19/04/2023 07:30	5.7	107	12	8.6	0	24.7	40
19/04/2023 07:40	5.8	107	11	9.5	0	25	39
19/04/2023 07:50	5	106	10	8	0	25.3	40
19/04/2023 08:00	5.6	108	12	8.9	0	25.6	39
19/04/2023 08:10	6.5	108	13	9.6	0	25.9	37
19/04/2023 08:20	6.6	107	11	10	0	26.2	37



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/04/2023 08:30	6.8	107	12	10.8	0	26.6	35
19/04/2023 08:40	6.7	105	11	10.2	0	26.8	36
19/04/2023 08:50	6.9	106	12	10.9	0	27.1	35
19/04/2023 09:00	6.7	106	11	9.9	0	27.4	34
19/04/2023 09:10	7.4	99	10	11.5	0	27.9	34
19/04/2023 09:20	8.4	98	10	12.7	0	28.1	33
19/04/2023 09:30	9.4	93	8	13.2	0	28	33
19/04/2023 09:40	9	93	7	12.9	0	28.2	34
19/04/2023 09:50	8.2	93	9	11.7	0	28.7	34
19/04/2023 10:00	8.3	90	8	11.7	0	28.8	34
19/04/2023 10:10	8.3	91	9	11.6	0	28.9	35
19/04/2023 10:20	8.2	91	9	11.7	0	29.2	34
19/04/2023 10:30	7.4	92	9	11.4	0	29.3	37
19/04/2023 10:40	7.6	89	8	10.4	0	29.4	37
19/04/2023 10:50	7.6	90	9	11	0	29.4	38
19/04/2023 11:00	8.3	90	9	11.8	0	29.4	37
19/04/2023 11:10	8.3	91	8	11.8	0	29.5	38
19/04/2023 11:20	7.9	89	8	12	0	29.7	37
19/04/2023 11:30	7.5	87	10	10.7	0	29.9	38
19/04/2023 11:40	7.2	93	11	10.7	0	30.2	37
19/04/2023 11:50	7.4	88	9	10.5	0	30.2	36
19/04/2023 12:00	7.6	88	12	11.1	0	30.6	35
19/04/2023 12:10	8.1	83	9	11.2	0	30.4	34
19/04/2023 12:20	7.6	83	9	10.5	0	30.6	33
19/04/2023 12:30	8.4	74	8	11.8	0	30.3	34
19/04/2023 12:40	8.9	72	7	11.1	0	30.1	33
19/04/2023 12:50	8.8	76	5	12	0	30	32
19/04/2023 13:00	8.4	84	7	11.5	0	30.4	32
19/04/2023 13:10	6.9	80	10	9.9	0	30.9	33
19/04/2023 13:20	5.8	73	11	8.8	0	31.3	34
19/04/2023 13:30	6.6	60	8	8.7	0	30.7	36
19/04/2023 13:40	6.8	60	9	9.6	0	30.5	37
19/04/2023 13:50	7.9	57	8	10.5	0	30.6	36
19/04/2023 14:00	8.8	62	7	11.1	0	30.6	32
19/04/2023 14:10	7.8	62	8	10.8	0	30.4	35
19/04/2023 14:20	7.2	65	9	10.1	0	30.6	35
19/04/2023 14:30	7.7	63	7	9.9	0	30.5	34
19/04/2023 14:40	7.9	61	7	10.3	0	30.2	34
19/04/2023 14:50	6.6	64	9	9.1	0	30.7	34
19/04/2023 15:00	6.8	58	8	9.2	0	30.6	35
19/04/2023 15:10	6.5	60	8	8.7	0	30.1	39
19/04/2023 15:20	6.6	53	8	8.8	0	30.3	38
19/04/2023 15:30	7	54	8	9.2	0	30.1	38
19/04/2023 15:40	7.3	53	6	9.4	0	30	37
19/04/2023 15:50	7.1	56	6	8.7	0	29.5	39
19/04/2023 16:00	6.7	54	7	8.4	0	29.4	40
19/04/2023 16:10	6.6	56	8	8.3	0	29.4	39
19/04/2023 16:20	6.4	57	8	8.2	0	29.6	38





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/04/2023 16:30	6.1	52	7	7.9	0	29.5	38
19/04/2023 16:40	5.7	59	8	7.7	0	29.6	39
19/04/2023 16:50	5.6	62	8	7.4	0	29.3	40
19/04/2023 17:00	5.2	58	8	7	0	29.2	40
19/04/2023 17:10	4.5	59	10	6.1	0	29.2	42
19/04/2023 17:20	4.4	58	8	5.8	0	28.8	43
19/04/2023 17:30	3.4	61	8	4.3	0	28.8	46
19/04/2023 17:40	3.1	61	7	4.1	0	28.5	47
19/04/2023 17:50	3.1	58	7	4	0	27.9	50
19/04/2023 18:00	2.8	61	6	3.6	0	27.5	52
19/04/2023 18:10	2.7	61	7	3.6	0	27.1	54
19/04/2023 18:20	2.7	58	6	3.4	0	26.7	56
19/04/2023 18:30	2.1	62	8	2.9	0	26.5	58
19/04/2023 18:40	1.4	61	10	2.2	0	26.3	59
19/04/2023 18:50	1.8	61	7	2.5	0	26.1	60
19/04/2023 19:00	1.8	59	7	2.3	0	25.9	61
19/04/2023 19:10	1.9	65	5	2.3	0	25.7	63
19/04/2023 19:20	1.8	64	4	2.4	0	25.6	64
19/04/2023 19:30	1.4	74	6	1.9	0	25.5	65
19/04/2023 19:40	1.7	74	5	2.1	0	25.5	66
19/04/2023 19:50	1.5	67	4	1.8	0	25.1	67
19/04/2023 20:00	1.1	71	8	1.6	0	25	67
19/04/2023 20:10	1.2	58	7	1.5	0	24.8	66
19/04/2023 20:20	1	64	9	1.4	0	24.8	63
19/04/2023 20:30	0.7	74	12	1.1	0	24.7	63
19/04/2023 20:40	0.6	72	12	0.9	0	24.5	62
19/04/2023 20:50	0.4	89	19	0.9	0	24.3	63
19/04/2023 21:00	0.4	89	7	0.7	0	24.4	64
19/04/2023 21:10	0.3	82	8	0.4	0	24.5	64
19/04/2023 21:20	0.3	63	8	0.4	0	24.6	62
19/04/2023 21:30	0.4	50	15	0.5	0	24.9	60
19/04/2023 21:40	0.3	90	10	0.4	0	25	63
19/04/2023 21:50	0.3	70	10	0.5	0	24.9	66
19/04/2023 22:00	0.4	45	17	0.6	0	25	67
19/04/2023 22:10	0.4	46	19	0.8	0	25.1	71
19/04/2023 22:20	0.9	54	9	1.2	0	24.8	73
19/04/2023 22:30	1.3	65	5	1.5	0	24.2	74
19/04/2023 22:40	1.6	93	8	2.1	0	23.9	74
19/04/2023 22:50	1.8	96	9	2.7	0	23.9	75
19/04/2023 23:00	2	95	6	2.6	0	24.3	73
19/04/2023 23:10	1.1	98	10	1.9	0	24.2	70
19/04/2023 23:20	1.7	101	13	2.6	0	24	68
19/04/2023 23:30	1.3	95	19	2.4	0	23.7	68
19/04/2023 23:40	1.4	99	19	2.5	0	23.5	70
19/04/2023 23:50	1.4	107	16	2.7	0	23.6	73
20/04/2023 00:00	1.4	107	21	3.2	0	23.9	68
20/04/2023 00:10	1.5	110	23	2.9	0	24.1	65
20/04/2023 00:20	1.5	104	21	2.9	0	24.4	62



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/04/2023 00:30	2.3	102	13	3.7	0	24.6	59
20/04/2023 00:40	2.3	103	12	3.4	0	24.5	60
20/04/2023 00:50	2.5	104	13	4.4	0	24.8	54
20/04/2023 01:00	2.8	103	14	4.5	0	25	52
20/04/2023 01:10	2.7	104	14	4	0	25.2	51
20/04/2023 01:20	2.6	106	17	5.6	0	25.4	48
20/04/2023 01:30	3.7	107	13	7	0	25.6	47
20/04/2023 01:40	4.8	108	14	7.3	0	26.2	44
20/04/2023 01:50	5.6	107	14	8.9	0	26.2	43
20/04/2023 02:00	6.1	108	11	9.5	0	26.1	43
20/04/2023 02:10	5.9	107	12	9.8	0	26.1	44
20/04/2023 02:20	6.4	107	11	10.4	0	26.1	44
20/04/2023 02:30	6.1	108	11	9	0	26	43
20/04/2023 02:40	6.3	106	11	9.2	0	25.9	44
20/04/2023 02:50	6.2	106	11	10.6	0	25.8	43
20/04/2023 03:00	6.3	106	12	10.2	0	25.7	43
20/04/2023 03:10	6.6	108	10	9.9	0	25.6	42
20/04/2023 03:20	6.4	107	12	9.7	0	25.4	42
20/04/2023 03:30	5.7	108	10	8.9	0	25.3	42
20/04/2023 03:40	5.1	106	12	8.4	0	25.1	45
20/04/2023 03:50	4.4	106	13	6.5	0	24.9	45
20/04/2023 04:00	4.4	105	13	6.7	0	24.7	47
20/04/2023 04:10	4.4	106	13	6.5	0	24.6	47
20/04/2023 04:20	4.4	106	11	7	0	24.5	47
20/04/2023 04:30	5.2	107	13	8.2	0	24.5	46
20/04/2023 04:40	5.1	107	11	8.4	0	24.4	46
20/04/2023 04:50	5.8	107	10	9.2	0	24.5	46
20/04/2023 05:00	5.1	105	12	8	0	24.4	46
20/04/2023 05:10	5.3	108	11	9.2	0	24.4	45
20/04/2023 05:20	5.8	107	12	9.1	0	24.3	45
20/04/2023 05:30	5.6	107	13	8.6	0	24.3	45
20/04/2023 05:40	5.6	104	12	9	0	24.1	46
20/04/2023 05:50	6	106	11	8.9	0	24.1	46
20/04/2023 06:00	5.3	105	12	8.2	0	23.9	48
20/04/2023 06:10	5.4	106	11	9.4	0	23.8	47
20/04/2023 06:20	6.1	107	13	9.5	0	23.8	46
20/04/2023 06:30	5.9	104	13	9	0	23.7	47
20/04/2023 06:40	6	106	12	10.1	0	23.7	47
20/04/2023 06:50	5.7	106	13	9.1	0	23.8	47
20/04/2023 07:00	6.2	105	12	9.6	0	23.8	48
20/04/2023 07:10	6.2	105	12	10.2	0	24	47
20/04/2023 07:20	7	106	10	10.9	0	24.2	46
20/04/2023 07:30	7.9	108	11	12	0	24.3	46
20/04/2023 07:40	7.4	106	11	11.5	0	24.4	46
20/04/2023 07:50	7	106	12	12	0	24.6	46
20/04/2023 08:00	6.4	104	12	10.3	0	24.9	47
20/04/2023 08:10	6.9	108	12	11.6	0	25	45
20/04/2023 08:20	8.1	104	11	13.7	0	25.2	43



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/04/2023 08:30	7.4	106	12	12.4	0	25.4	44
20/04/2023 08:40	7.4	104	12	12.4	0	25.6	43
20/04/2023 08:50	7.6	101	11	11.9	0	25.9	42
20/04/2023 09:00	7.9	102	11	12.2	0	26.1	41
20/04/2023 09:10	8.6	94	9	12.5	0	26.4	40
20/04/2023 09:20	8	96	10	12.1	0	26.7	39
20/04/2023 09:30	8.8	94	9	12.3	0	26.8	40
20/04/2023 09:40	8.1	98	10	12.1	0	27	39
20/04/2023 09:50	8	96	11	12.2	0	27.2	39
20/04/2023 10:00	8.5	96	9	12.3	0	27.3	40
20/04/2023 10:10	8.5	94	9	12.8	0	27.5	39
20/04/2023 10:20	9.1	94	9	13.2	0	27.7	38
20/04/2023 10:30	8.1	93	10	11.7	0	28	38
20/04/2023 10:40	8.3	92	8	11.7	0	27.9	38
20/04/2023 10:50	7.5	90	8	10.5	0	28	39
20/04/2023 11:00	8	90	9	11.5	0	27.8	39
20/04/2023 11:10	7.4	91	9	11.1	0	27.6	40
20/04/2023 11:20	7.1	91	9	10	0	27.3	40
20/04/2023 11:30	7.1	93	9	10.3	0	27	41
20/04/2023 11:40	7	83	8	10.1	0	26.7	42
20/04/2023 11:50	6.3	84	9	9.3	0	26.5	42
20/04/2023 12:00	6.3	87	9	9	0	26.7	42
20/04/2023 12:10	6.5	88	9	9.5	0	27.1	42
20/04/2023 12:20	6.9	89	9	10	0	27.4	43
20/04/2023 12:30	7.1	92	9	9.2	0	27.7	43
20/04/2023 12:40	6.8	92	8	9.8	0	28.2	42
20/04/2023 12:50	7.3	90	8	10.4	0	28.5	41
20/04/2023 13:00	7.5	93	8	10.5	0	28.8	39
20/04/2023 13:10	7.6	93	8	11	0	29.1	39
20/04/2023 13:20	7.2	90	7	9.8	0	29.2	38
20/04/2023 13:30	7.1	93	9	10.2	0	29.3	38
20/04/2023 13:40	6.4	92	8	8.4	0	29.5	39
20/04/2023 13:50	6.3	85	9	8.6	0	29.7	38
20/04/2023 14:00	6	88	9	9.3	0	29.8	40
20/04/2023 14:10	6.2	89	11	9	0	30.1	38
20/04/2023 14:20	6.3	92	9	9.2	0	29.9	39
20/04/2023 14:30	6.1	91	11	8.6	0	30	38
20/04/2023 14:40	6.5	94	9	9.2	0	29.9	37
20/04/2023 14:50	5.8	96	12	8	0	30	37
20/04/2023 15:00	6.3	97	11	8.5	0	29.7	37
20/04/2023 15:10	6.1	87	9	8.6	0	29.7	37
20/04/2023 15:20	5.6	84	11	7.6	0	30.1	35
20/04/2023 15:30	6.5	73	6	9.3	0	29.8	34
20/04/2023 15:40	6.8	73	7	8.8	0	29.5	34
20/04/2023 15:50	6.7	77	7	8.5	0	29.3	34
20/04/2023 16:00	6.9	78	7	9.2	0	29.2	35
20/04/2023 16:10	6.7	80	7	8.5	0	29.2	35
20/04/2023 16:20	5.9	85	7	8.3	0	29.5	34



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/04/2023 16:30	5.1	76	10	7.2	0	29.5	36
20/04/2023 16:40	4.9	68	11	6.8	0	29.6	36
20/04/2023 16:50	4.6	71	11	6.9	0	29.6	35
20/04/2023 17:00	4.2	75	9	5.9	0	29.4	35
20/04/2023 17:10	3.9	71	10	5.6	0	29.3	36
20/04/2023 17:20	4.1	69	8	5.7	0	29.1	34
20/04/2023 17:30	4.3	63	8	6.1	0	28.9	33
20/04/2023 17:40	3.5	59	9	4.9	0	28.4	37
20/04/2023 17:50	3	56	5	3.9	0	27.5	44
20/04/2023 18:00	2.5	57	7	3.4	0	26.9	47
20/04/2023 18:10	2.1	56	5	2.8	0	26.5	50
20/04/2023 18:20	1.7	60	7	2.4	0	26	52
20/04/2023 18:30	1.9	56	4	2.5	0	25.6	52
20/04/2023 18:40	1.8	53	5	2.3	0	25.3	54
20/04/2023 18:50	1.4	59	7	2	0	25.2	55
20/04/2023 19:00	1	80	11	1.5	0	25	57
20/04/2023 19:10	1.2	70	9	1.8	0	24.9	60
20/04/2023 19:20	1.7	57	7	2.2	0	24.5	62
20/04/2023 19:30	2	58	6	2.4	0	24.6	64
20/04/2023 19:40	1.7	61	5	2.1	0	24.5	66
20/04/2023 19:50	1.4	59	7	2.1	0	24.4	68
20/04/2023 20:00	1.6	64	7	2.4	0	24.4	69
20/04/2023 20:10	1.6	63	6	2.1	0	24.4	69
20/04/2023 20:20	2	56	6	2.6	0	24.2	69
20/04/2023 20:30	2.1	55	5	2.5	0	24.1	69
20/04/2023 20:40	1.3	61	8	1.8	0	24	68
20/04/2023 20:50	0.8	54	9	1.2	0	23.8	69
20/04/2023 21:00	0.7	62	13	1.2	0	23.5	70
20/04/2023 21:10	0.4	76	17	0.9	0	23.3	71
20/04/2023 21:20	0.4	116	26	0.8	0	23.7	72
20/04/2023 21:30	1.1	171	15	1.9	0	23.8	73
20/04/2023 21:40	1.3	97	34	2.3	0	24.1	74
20/04/2023 21:50	1	52	21	1.4	0	24.1	74
20/04/2023 22:00	1.3	46	11	1.8	0	23.9	74
20/04/2023 22:10	1.1	58	19	1.6	0	23.7	74
20/04/2023 22:20	0.9	55	18	1.4	0	23.4	74
20/04/2023 22:30	0.9	62	16	1.4	0	23.3	73
20/04/2023 22:40	0.8	69	24	1.4	0	23.4	71
20/04/2023 22:50	0.8	67	19	1.2	0	23.6	70
20/04/2023 23:00	1.1	87	16	1.7	0	23.7	69
20/04/2023 23:10	1.3	109	14	1.9	0	23.8	69
20/04/2023 23:20	1.2	96	15	2	0	24	70
20/04/2023 23:30	1.3	95	19	2.2	0	24.1	72
20/04/2023 23:40	1.5	97	15	2.6	0	23.8	73
20/04/2023 23:50	1.3	93	24	2.3	0	23.4	73
21/04/2023 00:00	1.3	87	19	2.1	0	23.2	74
21/04/2023 00:10	1.3	85	22	2.1	0	23.3	73
21/04/2023 00:20	1.5	88	25	2.4	0	23.4	70



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/04/2023 00:30	1.2	78	27	2.2	0	23.5	68
21/04/2023 00:40	1.3	94	32	2.9	0	23.5	66
21/04/2023 00:50	1.4	104	25	2.8	0	23.6	61
21/04/2023 01:00	1.4	108	24	2.3	0	23.8	59
21/04/2023 01:10	1.3	106	29	2.1	0	24	57
21/04/2023 01:20	1.2	81	19	2.1	0	23.6	60
21/04/2023 01:30	1.2	68	16	1.6	0	23	65
21/04/2023 01:40	1.8	90	12	2.7	0	22.7	67
21/04/2023 01:50	2.2	111	13	3.8	0	23.1	61
21/04/2023 02:00	2	109	13	4.1	0	23.5	58
21/04/2023 02:10	2.3	112	14	3.7	0	23.6	56
21/04/2023 02:20	2.4	107	11	3.7	0	23.7	54
21/04/2023 02:30	2.5	110	11	4.1	0	23.9	52
21/04/2023 02:40	2.7	109	12	4.2	0	23.8	51
21/04/2023 02:50	2.3	106	12	3.5	0	23.8	51
21/04/2023 03:00	2.3	109	12	3.1	0	23.7	52
21/04/2023 03:10	2.2	107	13	3.6	0	23.7	53
21/04/2023 03:20	2.4	109	13	4	0	23.6	53
21/04/2023 03:30	2.5	108	11	3.8	0	23.5	53
21/04/2023 03:40	2.5	109	11	4.1	0	23.5	53
21/04/2023 03:50	2.8	110	11	4.3	0	23.5	53
21/04/2023 04:00	3	108	11	4.7	0	23.5	51
21/04/2023 04:10	2.8	110	12	4.1	0	23.4	52
21/04/2023 04:20	2.4	106	11	3.8	0	23.3	53
21/04/2023 04:30	2.3	107	12	3.7	0	23.1	53
21/04/2023 04:40	2.7	103	11	3.9	0	23.3	49
21/04/2023 04:50	2.3	101	12	3.8	0	23.1	51
21/04/2023 05:00	2.8	96	11	3.8	0	23.2	50
21/04/2023 05:10	2.8	102	11	3.9	0	23.1	50
21/04/2023 05:20	2.8	102	11	4.3	0	23.2	49
21/04/2023 05:30	2.5	105	13	3.8	0	23.1	49
21/04/2023 05:40	2.9	102	11	5.5	0	23	49
21/04/2023 05:50	3.7	95	9	5.8	0	23.1	48
21/04/2023 06:00	4	96	8	5.4	0	23.2	47
21/04/2023 06:10	3.5	102	10	5.3	0	23.2	48
21/04/2023 06:20	3.6	104	12	5.5	0	23.2	49
21/04/2023 06:30	3.4	104	11	5.4	0	23.3	49
21/04/2023 06:40	3.7	97	10	6.6	0	23.3	49
21/04/2023 06:50	4.8	101	11	7.2	0	23.6	46
21/04/2023 07:00	4.5	106	11	7.6	0	24	45
21/04/2023 07:10	4.7	102	10	7.2	0	24.2	45
21/04/2023 07:20	5.3	102	11	8.3	0	24.2	44
21/04/2023 07:30	5.3	102	12	8.4	0	23.9	44
21/04/2023 07:40	5.2	100	10	7.7	0	23.8	45
21/04/2023 07:50	5.7	98	9	8.4	0	24.1	45
21/04/2023 08:00	5.2	97	8	7.3	0	24.7	46
21/04/2023 08:10	5.8	98	11	9	0	25	44
21/04/2023 08:20	5	97	10	7.2	0	25.4	44



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/04/2023 08:30	6.5	92	10	9.2	0	25.2	45
21/04/2023 08:40	6.5	90	8	9.1	0	24.7	46
21/04/2023 08:50	7	92	10	10.3	0	24.7	45
21/04/2023 09:00	7.1	93	9	9.9	0	25.2	44
21/04/2023 09:10	8	91	9	12.4	0	25.3	43
21/04/2023 09:20	7.8	92	9	10.8	0	25.7	44
21/04/2023 09:30	7.7	90	8	10.8	0	25.5	46
21/04/2023 09:40	7.6	91	8	11.8	0	25.8	46
21/04/2023 09:50	8.3	92	8	11.4	0	26.5	45
21/04/2023 10:00	8.3	87	10	11.4	0	26.9	44
21/04/2023 10:10	8.1	87	8	12.1		26.8	44
21/04/2023 10:20	8.1	91	9	12.4	0	26.7	45
21/04/2023 10:30	8.1	88	8	11.6	0	27.3	44
21/04/2023 10:40	7.8	90	9	11.6	0	27.6	43
21/04/2023 10:50	8.5	89	8	11.3	0	27.7	42
21/04/2023 11:00	8.4	90	7	11.3	0	27.7	43
21/04/2023 11:10	7.7	91	8	11		28	42
21/04/2023 11:20	7.3	89	8	11.1	0	28	42
21/04/2023 11:30	7.8	87	8	10.9	0	28.1	42
21/04/2023 11:40	7.5	89	10	10.6	0	28.5	41
21/04/2023 11:50	7.5	89	11	10.2	0	28.6	41
21/04/2023 12:00	6.7	87	12	10	0	28.7	43
21/04/2023 12:10	7.1	91	12	9.8	0	28.6	44
21/04/2023 12:20	7.3	87	10	9.8	0	29.2	39
21/04/2023 12:30	7.5	83	9	11.1	0	29.3	38
21/04/2023 12:40	6.8	85	11	9.7	0	29.6	38
21/04/2023 12:50	7.2	88	9	11.5	0	29.4	38
21/04/2023 13:00	7.3	76	8	10.7	0	29.3	39
21/04/2023 13:10	7.6	74	7	9.9	0	29.3	39
21/04/2023 13:20	7.9	73	7	10.4	0	29	40
21/04/2023 13:30	7.3	75	8	10.2	0	29	42
21/04/2023 13:40	8.3	76	7	11.1	0	28.8	42
21/04/2023 13:50	8.3	79	7	10.9	0	29	41
21/04/2023 14:00	8.3	82	7	10.7	0	29.1	41
21/04/2023 14:10	7.8	83	8	10.5	0	29.7	39
21/04/2023 14:20	7	82	9	10.4	0	29.7	42
21/04/2023 14:30	6.5	70	8	9.7	0	30.1	40
21/04/2023 14:40	6.3	67	10	9.7	0	29.8	42
21/04/2023 14:50	6.8	61	8	9.1	0	29.3	44
21/04/2023 15:00	7.1	58	6	9.6	0	28.9	46
21/04/2023 15:10	7.3	59	6	10.1	0	28.7	47
21/04/2023 15:20	7.1	63	8	9.2	0	28.6	47
21/04/2023 15:30	6.3	61	10	8.9	0	28.9	46
21/04/2023 15:40	6.7	60	8	8.9	0	28.7	46
21/04/2023 15:50	6.5	56	7	8.7	0	28.7	48
21/04/2023 16:00	6.6	54	8	8.6	0	28.5	48
21/04/2023 16:10	6.5	59	9	8.7	0	28.6	49
21/04/2023 16:20	6.1	57	8	8.1	0	28.8	48



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/04/2023 16:30	5.9	54	8	8	0	28.8	48
21/04/2023 16:40	5.7	57	10	7.8	0	28.8	48
21/04/2023 16:50	6	59	7	8.2	0	28.4	50
21/04/2023 17:00	5.3	61	8	7.3	0	28.5	49
21/04/2023 17:10	5.5	61	8	7.4	0	28.3	50
21/04/2023 17:20	5.2	62	7	7	0	28	53
21/04/2023 17:30	4.8	60	8	6.7	0	27.8	54
21/04/2023 17:40	4.8	59	7	6.8	0	27.6	54
21/04/2023 17:50	4.4	61	7	6.3	0	27.2	57
21/04/2023 18:00	4.1	59	8	5.5	0	26.9	59
21/04/2023 18:10	3.7	63	8	5.1	0	26.6	61
21/04/2023 18:20	3.7	65	8	5	0	26.5	62
21/04/2023 18:30	3.3	64	8	4.3	0	26.4	63
21/04/2023 18:40	3.1	66	7	4	0	26.2	65
21/04/2023 18:50	2.8	64	7	3.5	0	25.9	66
21/04/2023 19:00	2.7	62	6	3.4	0	25.7	68
21/04/2023 19:10	2.4	63	7	3.3	0	25.5	68
21/04/2023 19:20	2.1	68	6	2.7	0	25.4	69
21/04/2023 19:30	1.8	69	6	2.3	0	25.2	70
21/04/2023 19:40	1.4	62	7	1.8	0	24.9	70
21/04/2023 19:50	1.1	68	7	1.6	0	24.7	71
21/04/2023 20:00	0.7	86	9	1.1	0	24.6	72
21/04/2023 20:10	0.6	101	14	1	0	24.7	72
21/04/2023 20:20	0.8	91	8	1.1	0	24.8	73
21/04/2023 20:30	0.6	93	10	1	0	24.9	73
21/04/2023 20:40	1	83	5	1.3	0	24.7	74
21/04/2023 20:50	1.1	93	8	1.5	0	24.5	74
21/04/2023 21:00	0.7	67	10	1	0	24.1	74
21/04/2023 21:10	0.7	82	6	0.9	0	24.2	74
21/04/2023 21:20	1	67	8	1.3	0	24.2	74
21/04/2023 21:30	1.8	50	4	2.1	0	24.4	74
21/04/2023 21:40	2.2	45	3	2.5	0	24.4	74
21/04/2023 21:50	1.7	43	4	2	0	24.4	74
21/04/2023 22:00	0.7	75	12	1.1	0	24.1	74
21/04/2023 22:10	0.8	103	7	1	0	23.8	74
21/04/2023 22:20	0.4	109	16	0.7	0	23.7	74
21/04/2023 22:30	0.3	121	13	0.5	0	23.5	73
21/04/2023 22:40	0.6	86	13	0.9	0	23.8	72
21/04/2023 22:50	0.9	80	10	1.1	0	23.9	71
21/04/2023 23:00	0.8	84	10	1.1	0	23.9	69
21/04/2023 23:10	1	82	17	1.7	0	23.9	67
21/04/2023 23:20	1.2	106	14	2.1	0	23.8	65
21/04/2023 23:30	0.7	86	20	1.2	0	23.5	64
21/04/2023 23:40	0.8	63	27	1.3	0	23.3	62
21/04/2023 23:50	1.1	46	7	1.4	0	23.1	60
22/04/2023 00:00	1	47	9	1.4	0	23.3	60
22/04/2023 00:10	1.1	52	4	1.3	0	23	64
22/04/2023 00:20	1	48	9	1.3	0	22.8	68



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/04/2023 00:30	1	37	7	1.4	0	22.9	71
22/04/2023 00:40	1.2	39	5	1.4	0	23	73
22/04/2023 00:50	1.3	39	7	1.6	0	23.2	73
22/04/2023 01:00	1	44	5	1.2	0	23.2	73
22/04/2023 01:10	0.6	184	38	1.1	0	23.2	73
22/04/2023 01:20	0.3	117	60	0.6	0	23.2	72
22/04/2023 01:30	1	160	16	1.8	0	23	73
22/04/2023 01:40	0.7	149	35	1.3	0	23	72
22/04/2023 01:50	1	72	13	1.3	0	22.8	73
22/04/2023 02:00	1.4	49	4	1.6	0	22.7	73
22/04/2023 02:10	1.6	54	5	2	0	22.7	73
22/04/2023 02:20	1.4	63	7	1.7	0	22.4	73
22/04/2023 02:30	1.6	69	11	1.9	0	22.3	73
22/04/2023 02:40	1.3	56	12	1.6	0	22.6	73
22/04/2023 02:50	1.4	55	9	1.8	0	22.6	73
22/04/2023 03:00	1.3	64	10	1.7	0	22.5	73
22/04/2023 03:10	1.2	78	17	1.8	0	22.4	73
22/04/2023 03:20	1.5	77	10	2.1	0	22.4	73
22/04/2023 03:30	1.6	98	11	2.3	0	22.2	73
22/04/2023 03:40	1.5	124	12	2.2	0	22.4	72
22/04/2023 03:50	1.1	100	19	1.7	0	22.8	69
22/04/2023 04:00	1.1	67	18	1.7	0	22.2	71
22/04/2023 04:10	1.5	59	8	1.8	0	22.1	69
22/04/2023 04:20	1.2	75	10	1.7	0	22.1	67
22/04/2023 04:30	1.2	99	37	2	0	22	66
22/04/2023 04:40	2.6	165	19	4.7	0	22.3	63
22/04/2023 04:50	1.7	144	26	3.5	0	22.6	59
22/04/2023 05:00	1.7	126	22	2.7	0	23.1	55
22/04/2023 05:10	1.7	117	22	2.8	0	23.3	53
22/04/2023 05:20	1.5	120	34	3.1	0	23.1	53
22/04/2023 05:30	1.2	88	25	1.9	0	22.7	54
22/04/2023 05:40	1.9	102	17	3.2	0	23.2	50
22/04/2023 05:50	2.2	101	19	3.4	0	23.9	47
22/04/2023 06:00	3.1	96	12	4.6	0	23.9	47
22/04/2023 06:10	3.2	97	9	4.6	0	23	52
22/04/2023 06:20	3.2	100	10	4.6	0	22.8	54
22/04/2023 06:30	3.2	100	11	4.9	0	22.7	54
22/04/2023 06:40	2.7	98	11	3.9	0	22.1	57
22/04/2023 06:50	3.1	106	12	4.9	0	22.2	57
22/04/2023 07:00	3.1	107	11	4.8	0	23.2	52
22/04/2023 07:10	3	107	11	4.3	0	23.6	52
22/04/2023 07:20	3.2	104	11	4.6	0	24	50
22/04/2023 07:30	3.1	106	10	4.3	0	24.3	50
22/04/2023 07:40	3	107	11	4.6	0	24.7	49
22/04/2023 07:50	3	102	10	4.3	0	24.8	50
22/04/2023 08:00	3	104	11	4.6	0	24.9	52
22/04/2023 08:10	3.7	106	10	5.6	0	25.5	46
22/04/2023 08:20	3.3	107	10	4.8	0	25.5	47





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/04/2023 08:30	4	106	11	5.8	0	25.9	43
22/04/2023 08:40	3.8	109	11	5.5	0	26	44
22/04/2023 08:50	3.5	107	10	5.1	0	25.8	48
22/04/2023 09:00	3.8	105	10	5.4	0	26.2	49
22/04/2023 09:10	5.1	97	10	7.1	0	27.1	43
22/04/2023 09:20	5.8	97	9	8.9	0	27.4	39
22/04/2023 09:30	6	95	9	8.7	0	27.2	41
22/04/2023 09:40	5.7	88	9	8.6	0	27.5	42
22/04/2023 09:50	6.1	89	11	8.5	0	27.8	43
22/04/2023 10:00	5.8	89	10	8.5	0	27.9	44
22/04/2023 10:10	6.5	87	10	9.3	0	28	44
22/04/2023 10:20	7.1	83	8	10.3	0	28.2	44
22/04/2023 10:30	6.9	87	8	9.7	0	28.2	47
22/04/2023 10:40	8	76	8	10.9	0	28.4	44
22/04/2023 10:50	7.1	81	8	10.5	0	28.7	44
22/04/2023 11:00	7.2	88	9	10.3	0	28.7	45
22/04/2023 11:10	7.5	81	7	10.2	0	28.6	45
22/04/2023 11:20	7.3	76	8	10.6	0	28.8	45
22/04/2023 11:30	7.7	77	8	10.6	0	28.8	44
22/04/2023 11:40	6.6	82	11	10	0	29.1	43
22/04/2023 11:50	6.5	77	9	9.1	0	29.6	43
22/04/2023 12:00	6.5	77	8	8.7	0	29.5	44
22/04/2023 12:10	6.5	76	10	8.9	0	29.2	46
22/04/2023 12:20	5.8	81	11	7.9	0	29.6	46
22/04/2023 12:30	5.8	78	9	8.2	0	29.8	47
22/04/2023 12:40	6.8	73	7	8.9	0	29.3	49
22/04/2023 12:50	7.3	74	7	9.8	0	29.2	49
22/04/2023 13:00	7.7	76	7	10.5	0	29.4	49
22/04/2023 13:10	8.3	76	7	10.8	0	29.6	47
22/04/2023 13:20	8.5	78	7	11.1	0	29.7	46
22/04/2023 13:30	8.3	83	7	11.3	0	29.8	46
22/04/2023 13:40	7.8	85	9	11.3	0	29.9	46
22/04/2023 13:50	7	78	9	10	0	30.2	46
22/04/2023 14:00	7.6	65	9	10.4	0	30.3	46
22/04/2023 14:10	8.2	63	9	11.8	0	30.2	44
22/04/2023 14:20	8.7	62	8	11.7	0	30	43
22/04/2023 14:30	8.2	61	8	11.6	0	29.8	46
22/04/2023 14:40	9.5	65	7	12.4	0	29.8	45
22/04/2023 14:50	8.1	65	8	11.1	0	30.1	45
22/04/2023 15:00	8.4	61	8	11.9	0	30	45
22/04/2023 15:10	8.9	62	7	11.2	0	29.8	45
22/04/2023 15:20	8.7	63	7	11.8	0	30	44
22/04/2023 15:30	8.2	64	8	11.4	0	30	45
22/04/2023 15:40	8.1	62	8	11.3	0	30.1	42
22/04/2023 15:50	7.9	62	8	10.8	0	30.1	43
22/04/2023 16:00	8.1	64	6	10.4	0	29.9	45
22/04/2023 16:10	7.1	65	9	10.2	0	30	46
22/04/2023 16:20	6.3	59	9	8.4	0	30	48



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/04/2023 16:30	6.6	53	7	8.7	0	29.7	50
22/04/2023 16:40	6.7	57	7	8.5	0	29.5	50
22/04/2023 16:50	5.7	58	8	8	0	29.6	50
22/04/2023 17:00	5.7	62	8	7.4	0	29.4	51
22/04/2023 17:10	5.9	63	8	7.9	0	29.2	52
22/04/2023 17:20	4.6	62	7	6.3	0	29.1	54
22/04/2023 17:30	4.4	62	7	6.7	0	28.8	56
22/04/2023 17:40	4.3	62	7	5.8	0	28.3	59
22/04/2023 17:50	4	62	7	5.5	0	27.8	62
22/04/2023 18:00	4	62	6	5.4	0	27.6	63
22/04/2023 18:10	3.8	64	7	5.3	0	27.4	65
22/04/2023 18:20	3.5	69	7	4.7	0	27.3	67
22/04/2023 18:30	3.3	74	5	4.1	0	27.1	69
22/04/2023 18:40	3.3	78	5	4.1	0	27	70
22/04/2023 18:50	2.4	96	12	3.6	0	27	70
22/04/2023 19:00	2	107	12	2.9	0	26.8	72
22/04/2023 19:10	2.4	95	8	3.2	0	26.7	72
22/04/2023 19:20	2.3	97	8	3.1	0	26.6	73
22/04/2023 19:30	1.5	117	13	2.4	0	26.5	73
22/04/2023 19:40	1.5	115	13	2.4	0	26.4	73
22/04/2023 19:50	1.4	106	13	2.2	0	26.2	73
22/04/2023 20:00	1.4	96	13	2.1	0	26.1	74
22/04/2023 20:10	1.2	66	14	1.7	0	25.6	74
22/04/2023 20:20	1.1	58	10	1.5	0	25.4	73
22/04/2023 20:30	1.4	47	11	2.1	0	25.5	73
22/04/2023 20:40	1.7	46	11	2.2	0	25.5	73
22/04/2023 20:50	1.9	50	7	2.3	0	25.5	73
22/04/2023 21:00	1.6	53	10	2	0	25.5	72
22/04/2023 21:10	0.8	88	8	1.2	0	25.5	72
22/04/2023 21:20	0.8	101	9	1.2	0	25.6	72
22/04/2023 21:30	0.9	106	10	1.3	0	25.7	72
22/04/2023 21:40	1	113	10	1.5	0	25.7	72
22/04/2023 21:50	1.2	104	10	1.8	0	25.6	72
22/04/2023 22:00	1.2	87	12	1.8	0	25.6	72
22/04/2023 22:10	1.1	82	13	1.6	0	25.6	72
22/04/2023 22:20	1.4	95	7	2.1	0	25.6	71
22/04/2023 22:30	1.2	69	11	1.7	0	25.6	71
22/04/2023 22:40	1.4	60	12	2.1	0	25.5	70
22/04/2023 22:50	1	67	13	1.6	0	25.5	70
22/04/2023 23:00	0.9	68	24	1.6	0	25.3	69
22/04/2023 23:10	0.9	76	26	2	0	25.1	69
22/04/2023 23:20	0.8	78	53	1.7	0	24.9	70
22/04/2023 23:30	0.9	72	29	1.6	0	25.1	71
22/04/2023 23:40	0.8	43	27	1.8	0	25.2	72
22/04/2023 23:50	0.6	17	28	1	0	25.1	73
23/04/2023 00:00	0.7	52	46	1.5	0	25.2	73
23/04/2023 00:10	0.8	75	27	1.3	0	25.4	73
23/04/2023 00:20	0.9	86	21	1.5	0	25.4	73



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/04/2023 00:30	0.9	101	21	1.5	0	25.5	73
23/04/2023 00:40	0.9	111	27	2.2	0	25.6	74
23/04/2023 00:50	1	124	33	1.7	0	25.7	74
23/04/2023 01:00	1.2	103	30	2.4	0	25.7	73
23/04/2023 01:10	1	94	29	1.7	0	25.6	73
23/04/2023 01:20	1	96	31	1.7	0	25.6	74
23/04/2023 01:30	0.7	79	35	1.8	0	25.6	74
23/04/2023 01:40	1	68	28	1.9	0	25.6	74
23/04/2023 01:50	0.9	62	20	1.7	0	25.3	74
23/04/2023 02:00	1	61	22	1.8	0	25.1	74
23/04/2023 02:10	0.9	68	28	1.6	0	24.9	74
23/04/2023 02:20	0.8	58	25	1.5	0	25	74
23/04/2023 02:30	0.8	35	25	1.4	0	25	74
23/04/2023 02:40	0.7	48	27	1.6	0	25.1	74
23/04/2023 02:50	1	16	18	1.6	0	25.1	73
23/04/2023 03:00	0.6	38	25	1.2	0	25.2	73
23/04/2023 03:10	0.9	50	17	1.6	0	25.2	72
23/04/2023 03:20	1.3	55	10	1.9	0	25.1	72
23/04/2023 03:30	1.3	67	11	1.8	0	24.9	72
23/04/2023 03:40	1.2	56	11	1.7	0	24.7	72
23/04/2023 03:50	1.2	58	13	1.6	0	24.5	72
23/04/2023 04:00	1.2	44	11	1.6	0	24.4	73
23/04/2023 04:10	1.1	43	14	1.6	0	24.3	73
23/04/2023 04:20	1.2	52	8	1.7	0	24.2	73
23/04/2023 04:30	1.3	77	17	2.1	0	24.3	73
23/04/2023 04:40	1.8	101	12	2.8	0	24.8	71
23/04/2023 04:50	1.6	110	17	2.5	0	24.9	70
23/04/2023 05:00	1.1	127	21	2.2	0	24.9	68
23/04/2023 05:10	1.1	115	26	2.1	0	25	66
23/04/2023 05:20	1.4	100	17	2.1	0	25.1	65
23/04/2023 05:30	1.7	100	17	2.7	0	25.2	62
23/04/2023 05:40	1.2	103	19	2.7	0	25.4	61
23/04/2023 05:50	1.2	106	15	2.2	0	25.4	59
23/04/2023 06:00	1.2	99	16	1.9	0	25.4	60
23/04/2023 06:10	1.5	80	11	2.2	0	25.4	58
23/04/2023 06:20	1.3	80	14	2.3	0	25	60
23/04/2023 06:30	1.6	72	8	2.2	0	24.8	61
23/04/2023 06:40	1.3	89	13	2.1	0	24.9	61
23/04/2023 06:50	1.2	89	15	1.9	0	24.8	62
23/04/2023 07:00	1.2	84	11	1.7	0	24.8	63
23/04/2023 07:10	1.5	94	12	2.2	0	24.9	63
23/04/2023 07:20	2.4	104	10	3.5	0	25.2	62
23/04/2023 07:30	2.4	104	11	3.7	0	25.5	59
23/04/2023 07:40	2.7	106	11	4.1	0	26	57
23/04/2023 07:50	2.3	105	11	3.4	0	25.9	59
23/04/2023 08:00	1.8	103	12	2.7	0	26.2	61
23/04/2023 08:10	2.3	100	11	3.6	0	26.2	63
23/04/2023 08:20	2.7	105	13	4.3	0	27.1	57



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/04/2023 08:30	3	106	13	4.8	0	27.4	54
23/04/2023 08:40	2.6	121	15	4.1	0	27.6	53
23/04/2023 08:50	3.4	114	13	4.9	0	28	51
23/04/2023 09:00	3.8	109	12	5.6	0	27.8	50
23/04/2023 09:10	3.3	112	14	5.8	0	28.1	50
23/04/2023 09:20	3.1	105	12	4.8	0	28.7	49
23/04/2023 09:30	3.6	103	12	5.2	0	28.8	48
23/04/2023 09:40	3.9	104	13	5.9	0	29.1	46
23/04/2023 09:50	4.7	101	13	7.2	0	29.7	45
23/04/2023 10:00	5.9	95	9	7.7	0	29.9	41
23/04/2023 10:10	5.7	96	10	9	0	30.2	41
23/04/2023 10:20	6.7	97	9	9.2	0	30	41
23/04/2023 10:30	5.6	93	11	8.1	0	30.8	40
23/04/2023 10:40	6.2	91	9	8.9	0	30.7	39
23/04/2023 10:50	6.4	89	8	9.2	0	30.4	40
23/04/2023 11:00	6.4	92	10	9.5	0	30.4	40
23/04/2023 11:10	6.7	94	9	9.1	0	30.4	39
23/04/2023 11:20	6.1	85	9	8.9	0	30.6	38
23/04/2023 11:30	5.6	87	12	8.3	0	30.7	40
23/04/2023 11:40	5.9	88	11	8.9	0	30.7	41
23/04/2023 11:50	6.1	90	10	8.5	0	30.9	40
23/04/2023 12:00	6	91	11	8.5	0	31.2	39
23/04/2023 12:10	6.6	95	10	9.6	0	30.6	41
23/04/2023 12:20	6.2	94	10	9	0	30.7	40
23/04/2023 12:30	6.6	85	8	9.1	0	30.8	37
23/04/2023 12:40	6.5	86	8	9.4	0	31	36
23/04/2023 12:50	7	87	9	9.5	0	31.1	35
23/04/2023 13:00	6.2	86	9	8.4	0	31.1	34
23/04/2023 13:10	6	76	10	8.1	0	31.1	35
23/04/2023 13:20	7.2	76	7	9.4	0	30.5	37
23/04/2023 13:30	6.8	87	6	8.9	0	30.7	36
23/04/2023 13:40	5.9	89	7	7.9	0	30.7	38
23/04/2023 13:50	4.8	82	9	6.7	0	31.3	39
23/04/2023 14:00	5.6	87	9	7.8	0	30.7	41
23/04/2023 14:10	6	90	8	8.5	0	30.3	42
23/04/2023 14:20	6	90	8	7.5	0	30.3	43
23/04/2023 14:30	5.9	91	7	8.1	0	30.2	45
23/04/2023 14:40	5.5	87	10	7.5	0	30.3	47
23/04/2023 14:50	5	87	11	6.6	0	30.2	49
23/04/2023 15:00	4.5	71	10	6.3	0	30.3	50
23/04/2023 15:10	5.1	57	7	7.1	0	30.1	51
23/04/2023 15:20	5	61	8	6.8	0	29.9	52
23/04/2023 15:30	5.4	65	8	6.9	0	30.1	53
23/04/2023 15:40	5.2	64	10	7.1	0	29.8	55
23/04/2023 15:50	5.4	64	7	7.2	0	29.8	55
23/04/2023 16:00	5.1	69	7	6.7	0	29.8	56
23/04/2023 16:10	4.8	62	9	6.2	0	29.8	56
23/04/2023 16:20	4.4	70	8	6	0	29.8	55



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/04/2023 16:30	4.3	61	9	5.8	0	29.8	56
23/04/2023 16:40	4.1	59	8	5.4	0	29.7	57
23/04/2023 16:50	4.1	64	8	5.5	0	29.6	57
23/04/2023 17:00	4	66	8	5.4	0	29.5	57
23/04/2023 17:10	3.5	67	9	5.2	0	29.5	56
23/04/2023 17:20	3	61	9	4.1	0	29.6	55
23/04/2023 17:30	2.8	62	10	4.2	0	29.3	56
23/04/2023 17:40	2.9	59	7	3.9	0	29	58
23/04/2023 17:50	2.6	53	7	3.6	0	28.4	61
23/04/2023 18:00	2.2	57	6	3	0	28	65
23/04/2023 18:10	2	64	8	2.6	0	27.7	67
23/04/2023 18:20	1.6	69	8	2.2	0	27.5	68
23/04/2023 18:30	1.2	59	9	1.7	0	27.3	69
23/04/2023 18:40	1	79	16	1.5	0	27.2	69
23/04/2023 18:50	0.5	106	29	1	0	27.1	70
23/04/2023 19:00	0.5	117	52	1	0	26.9	71
23/04/2023 19:10	0.5	30	26	0.9	0	26.9	70
23/04/2023 19:20	0.6	44	21	1.2	0	26.8	70
23/04/2023 19:30	0.4	148	26	0.7	0	26.8	69
23/04/2023 19:40	0.8	237	9	1.1	0	26.9	70
23/04/2023 19:50	1	272	18	1.6	0	27	62
23/04/2023 20:00	0.6	273	25	1	0	27.6	57
23/04/2023 20:10	0.5	325	52	0.9	0	27.6	54
23/04/2023 20:20	0.9	182	23	1.7	0	28.2	50
23/04/2023 20:30	0.4	30	33	1.1	0	28.1	49
23/04/2023 20:40	0.3	99	44	0.6	0	28	50
23/04/2023 20:50	0.6	293	23	1.2	0	27.8	51
23/04/2023 21:00	1.4	278	10	1.7	0	27.8	53
23/04/2023 21:10	1.2	307	16	1.7	0	28	52
23/04/2023 21:20	0.9	166	46	1.7	0	28	51
23/04/2023 21:30	0.6	116	62	1.4	0	27.9	51
23/04/2023 21:40	0.6	199	40	0.9	0	27.7	55
23/04/2023 21:50	0.9	54	39	1.4	0	27	59
23/04/2023 22:00	1.1	29	13	1.4	0	26.6	61
23/04/2023 22:10	0.9	39	6	1.2	0	26.9	61
23/04/2023 22:20	1.1	22	10	1.4	0	26.8	61
23/04/2023 22:30	0.9	57	8	1.2	0	26.9	61
23/04/2023 22:40	1	70	7	1.3	0	26.8	61
23/04/2023 22:50	1.3	49	9	1.8	0	26.7	62
23/04/2023 23:00	1.6	59	7	2.2	0	26.6	63
23/04/2023 23:10	1.7	42	7	2.1	0	26.6	64
23/04/2023 23:20	1.1	33	11	1.4	0	26.6	62
23/04/2023 23:30	0.5	77	12	0.7	0	26.7	61
23/04/2023 23:40	0.9	172	35	1.7	0	26.4	62
23/04/2023 23:50	0.5	225	37	0.9	0	26.5	61
24/04/2023 00:00	0.4	136	33	0.7	0	26.1	64
24/04/2023 00:10	0.5	56	16	0.7	0	25.6	65
24/04/2023 00:20	0.9	62	9	1.2	0	25.4	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/04/2023 00:30	0.6	69	20	0.9	0	25.6	64
24/04/2023 00:40	0.9	34	12	1.2	0	26.5	59
24/04/2023 00:50	0.6	46	18	1	0	26.2	60
24/04/2023 01:00	0.5	71	22	0.7	0	26.4	59
24/04/2023 01:10	0.3	151	28	0.5	0	25.7	64
24/04/2023 01:20	0.5	73	12	0.7	0	25.5	64
24/04/2023 01:30	0.8	51	14	1.2	0	25.2	64
24/04/2023 01:40	0.9	46	6	1.2	0	25.5	62
24/04/2023 01:50	0.9	36	10	1.1	0	25.8	61
24/04/2023 02:00	0.3	169	64	0.7	0	25.9	61
24/04/2023 02:10	0.8	33	6	1	0	25.6	62
24/04/2023 02:20	0.7	49	7	0.8	0	26	59
24/04/2023 02:30	0.4	59	17	0.6	0	25.6	60
24/04/2023 02:40	0.1	112	51	0.3	0	25.2	63
24/04/2023 02:50	0.2	261	21	0.4	0	25	63
24/04/2023 03:00	0.4	249	12	0.9	0	25	64
24/04/2023 03:10	0.2	263	29	0.5	0	24.8	65
24/04/2023 03:20	0.3	150	41	0.4	0	24.8	65
24/04/2023 03:30	0.5	72	12	0.7	0	25	65
24/04/2023 03:40	0.2	68	47	0.3	0	25.1	64
24/04/2023 03:50	0.4	332	39	0.7	0	25.2	63
24/04/2023 04:00	0.6	60	17	0.9	0	25.4	62
24/04/2023 04:10	0.7	51	11	0.9	0	25.3	62
24/04/2023 04:20	0.5	53	35	0.7	0	25.7	60
24/04/2023 04:30	0.3	84	30	0.6	0	25.5	62
24/04/2023 04:40	0.3	296	67	0.4	0	25.8	60
24/04/2023 04:50	0.3	57	11	0.5	0	26	60
24/04/2023 05:00	0.5	176	36	1	0	26.2	58
24/04/2023 05:10	0.8	311	14	1.2	0	26	57
24/04/2023 05:20	0.8	274	20	1.4	0	26.5	54
24/04/2023 05:30	0.6	309	47	1.1	0	26	57
24/04/2023 05:40	0.2	165	40	0.4	0	25.7	57
24/04/2023 05:50	0.5	30	23	0.8	0	25.8	57
24/04/2023 06:00	0.7	98	50	1.4	0	26	55
24/04/2023 06:10	0.7	52	34	1.2	0	26	55
24/04/2023 06:20	0.8	122	25	1.2	0	25.8	54
24/04/2023 06:30	1.1	160	25	2.4	0	26.3	49
24/04/2023 06:40	1.6	151	15	2.7	0	26.6	47
24/04/2023 06:50	1.7	156	14	2.7	0	26.8	46
24/04/2023 07:00	1.9	164	13	2.8	0	26.8	46
24/04/2023 07:10	2	169	7	2.8	0	26.7	46
24/04/2023 07:20	2.4	173	7	3.2	0	26.8	46
24/04/2023 07:30	1.7	138	16	2.6	0	27.5	44
24/04/2023 07:40	1.7	136	38	2.4	0	27.7	44
24/04/2023 07:50	1.3	65	12	2.1	0	28.3	44
24/04/2023 08:00	2.4	77	8	3.2	0	28.1	44
24/04/2023 08:10	2.3	75	10	3.2	0	28	43
24/04/2023 08:20	2.1	90	12	2.8	0	28.4	42



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/04/2023 08:30	1.9	89	11	2.5	0	28.5	43
24/04/2023 08:40	1.9	96	14	2.9	0	28.9	43
24/04/2023 08:50	2.1	98	11	3	0	28.6	44
24/04/2023 09:00	2	98	10	2.9	0	28.4	46
24/04/2023 09:10	2.2	99	15	3.1	0	28.7	45
24/04/2023 09:20	2.6	87	10	3.6	0	28.7	46
24/04/2023 09:30	2.7	86	6	3.6	0	28.6	45
24/04/2023 09:40	3	88	10	3.9	0	28.9	43
24/04/2023 09:50	2.5	91	16	3.6	0	29.7	40
24/04/2023 10:00	2.7	79	13	3.8	0	30.1	39
24/04/2023 10:10	2.7	96	15	4.1	0	31	37
24/04/2023 10:20	3.3	83	15	4.6	0	31.3	36
24/04/2023 10:30	3.5	78	10	4.6	0	31.1	37
24/04/2023 10:40	3.5	83	16	5.5	0	31.5	39
24/04/2023 10:50	4.4	60	11	5.8	0	31	42
24/04/2023 11:00	4.9	62	8	6.2	0	30.7	45
24/04/2023 11:10	5.3	61	9	6.8	0	30.2	48
24/04/2023 11:20	5.7	62	8	7.1	0	30.3	46
24/04/2023 11:30	5.3	66	9	6.9	0	30.6	45
24/04/2023 11:40	5.6	68	8	7.2	0	30.6	45
24/04/2023 11:50	5.5	56	7	6.9	0	30.5	46
24/04/2023 12:00	5.6	58	9	7.3	0	30.6	46
24/04/2023 12:10	6	51	5	7.6	0	30.6	47
24/04/2023 12:20	5.6	59	9	7.2	0	30.7	45
24/04/2023 12:30	5.3	59	7	6.5	0	31	42
24/04/2023 12:40	4.8	61	9	6.1	0	31.5	43
24/04/2023 12:50	4.9	55	9	6.2	0	31.5	43
24/04/2023 13:00	5	53	10	6.6	0	31.7	44
24/04/2023 13:10	4.7	63	8	6.1	0	31.9	40
24/04/2023 13:20	5	57	10	6.1	0	31.8	41
24/04/2023 13:30	4.7	58	11	6.1	0	31.9	42
24/04/2023 13:40	5	58	7	6.3	0	31.8	42
24/04/2023 13:50	4.9	59	10	6.5	0	31.9	43
24/04/2023 14:00	5.1	58	9	6.3	0	31.8	44
24/04/2023 14:10	4.7	63	8	5.9	0	31.9	44
24/04/2023 14:20	4.5	64	8	6.4	0	32.1	43
24/04/2023 14:30	4.6	62	9	6.2	0	32.1	45
24/04/2023 14:40	4.5	63	10	5.9	0	32	44
24/04/2023 14:50	5.3	56	6	6.5	0	31.8	47
24/04/2023 15:00	4.7	56	9	5.8	0	31.9	45
24/04/2023 15:10	4.5	58	8	5.6	0	32.1	44
24/04/2023 15:20	4	50	8	5.1	0	31.5	45
24/04/2023 15:30	3.7	55	10	5.4	0	32.1	45
24/04/2023 15:40	4.5	50	7	5.8	0	31.7	47
24/04/2023 15:50	4	54	8	5.4	0	31.4	49
24/04/2023 16:00	4	62	9	5.4	0	31.6	47
24/04/2023 16:10	3.7	61	9	4.9	0	31	50
24/04/2023 16:20	3.7	57	8	4.9	0	30.6	53



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/04/2023 16:30	3.4	64	8	4.5	0	30.6	54
24/04/2023 16:40	3.3	66	7	4.2	0	30.5	55
24/04/2023 16:50	2.7	65	10	3.8	0	30.5	55
24/04/2023 17:00	2.1	59	18	3.5	0	30.1	58
24/04/2023 17:10	2.8	59	10	3.8	0	29.6	61
24/04/2023 17:20	2.9	65	7	3.9	0	29.4	62
24/04/2023 17:30	2.8	30	16	3.7	0	29.5	65
24/04/2023 17:40	2.8	29	12	3.8	0	29.5	66
24/04/2023 17:50	3.4	27	9	4.3	0	29.3	66
24/04/2023 18:00	3	21	9	4.3	0	29.2	67
24/04/2023 18:10	3.2	14	9	4.4	0	28.9	69
24/04/2023 18:20	3.1	19	11	4.3	0	28.7	70
24/04/2023 18:30	3.5	32	8	4.6	0	28.6	69
24/04/2023 18:40	3.3	20	10	4.7	0	28.7	68
24/04/2023 18:50	4	14	8	5.4	0	28.6	68
24/04/2023 19:00	4.3	10	8	5.6	0	28.4	69
24/04/2023 19:10	3.8	179	10	5.3	0	28.3	70
24/04/2023 19:20	4.1	354	9	5.2	0	28.1	71
24/04/2023 19:30	4.5	4	8	5.8	0	28	72
24/04/2023 19:40	4.9	7	6	5.8	0	28	73
24/04/2023 19:50	4.3	355	7	5.8	0	27.8	73
24/04/2023 20:00	4.1	346	8	5.3	0	27.8	72
24/04/2023 20:10	4.3	344	8	5.5	0	27.8	72
24/04/2023 20:20	3.9	336	7	4.9	0	27.7	71
24/04/2023 20:30	3.9	337	5	4.8	0	27.8	69
24/04/2023 20:40	3.2	343	8	4.1	0	27.7	71
24/04/2023 20:50	2.7	355	11	4.2	0	27.6	71
24/04/2023 21:00	1.6	145	50	3	0	27.7	71
24/04/2023 21:10	1.2	173	21	2.2	0	27.5	72
24/04/2023 21:20	0.7	237	56	1.5	0	27.4	72
24/04/2023 21:30	2	338	8	2.7	0	27.6	74
24/04/2023 21:40	2	325	5	2.6	0	27.4	74
24/04/2023 21:50	1.2	301	26	2	0	27.3	74
24/04/2023 22:00	1.6	292	10	2.3	0	27.1	74
24/04/2023 22:10	2.4	289	9	3.2	0	27	74
24/04/2023 22:20	2.8	265	6	3.5	0	26.9	73
24/04/2023 22:30	2	314	12	2.6	0	26.7	68
24/04/2023 22:40	1.7	325	12	2.8	0	26.6	67
24/04/2023 22:50	2.4	287	10	3.8	0	26.8	69
24/04/2023 23:00	1.7	272	15	2.7	0	26.8	69
24/04/2023 23:10	2.3	249	12	2.8	0	26.8	67
24/04/2023 23:20	2.3	254	6	2.8	0	26.7	67
24/04/2023 23:30	1.9	262	4	2.3	0	26.5	65
24/04/2023 23:40	2.4	262	5	2.9	0	26.4	63
24/04/2023 23:50	2.5	267	7	3.2	0	26.4	61
25/04/2023 00:00	2	288	12	2.8	0	26.3	58
25/04/2023 00:10	1.7	281	10	2.6	0	26.1	55
25/04/2023 00:20	3	259	4	3.7	0	26.1	52





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/04/2023 00:30	3.1	267	3	3.6	0	26.2	49
25/04/2023 00:40	2.9	265	5	3.5	0	26.2	47
25/04/2023 00:50	3.8	255	5	4.4	0	26.3	45
25/04/2023 01:00	3.4	260	9	4.5	0	26.3	44
25/04/2023 01:10	3.2	262	6	4	0	26.1	43
25/04/2023 01:20	2.8	262	7	4.2	0	26.2	41
25/04/2023 01:30	2.8	265	9	4.5	0	26.2	40
25/04/2023 01:40	2.8	268	6	3.5	0	26.1	40
25/04/2023 01:50	2.7	264	6	3.4	0	26.1	40
25/04/2023 02:00	3.3	266	5	4.1	0	26.2	40
25/04/2023 02:10	3	265	4	4	0	26.1	41
25/04/2023 02:20	2.9	264	5	3.9	0	26	42
25/04/2023 02:30	3	262	5	3.8	0	25.9	44
25/04/2023 02:40	2.8	253	11	3.8	0	25.9	47
25/04/2023 02:50	2.5	254	11	3.4	0	26	51
25/04/2023 03:00	3.2	269	3	3.8	0	25.9	52
25/04/2023 03:10	3.1	271	5	3.7	0	25.9	53
25/04/2023 03:20	2.5	262	6	3.4	0	25.9	53
25/04/2023 03:30	2.3	262	6	3.4	0	25.8	53
25/04/2023 03:40	2.8	264	4	3.5	0	25.6	55
25/04/2023 03:50	3.5	266	4	4.2	0	25.4	60
25/04/2023 04:00	3.9	262	3	4.7	0	25.4	67
25/04/2023 04:10	3.7	260	4	4.8	0	25.5	70
25/04/2023 04:20	3.6	262	4	4.2	0	25.5	72
25/04/2023 04:30	3.5	263	3	4.1	0	25.5	72
25/04/2023 04:40	3.1	263	5	3.9	0	25.6	72
25/04/2023 04:50	2.3	270	5	3	0	25.4	72
25/04/2023 05:00	2.1	277	4	2.6	0	25.4	71
25/04/2023 05:10	1.9	275	5	2.5	0	25.3	71
25/04/2023 05:20	1.5	280	5	2.1	0	25.3	71
25/04/2023 05:30	2.3	268	3	2.7	0	25.2	70
25/04/2023 05:40	2.1	268	4	2.6	0	25.2	70
25/04/2023 05:50	2.1	271	3	2.6	0	25.2	69
25/04/2023 06:00	2.5	272	3	2.9	0	25.3	69
25/04/2023 06:10	2.4	268	5	3.3	0	25.3	70
25/04/2023 06:20	2.5	268	5	3.2	0	25.3	72
25/04/2023 06:30	2.8	272	3	3.6	0	25.3	72
25/04/2023 06:40	3.3	268	3	4	0	25.3	72
25/04/2023 06:50	3	264	5	3.8	0	25.5	73
25/04/2023 07:00	2.5	259	7	3.5	0	25.5	73
25/04/2023 07:10	2	263	10	2.8	0	25.7	73
25/04/2023 07:20	2	274	7	2.7	0	25.8	73
25/04/2023 07:30	1.9	278	7	2.6	0	25.9	73
25/04/2023 07:40	2.2	279	7	2.8	0	26	73
25/04/2023 07:50	2.1	280	7	2.8	0	26.3	73
25/04/2023 08:00	1.6	277	13	2.4	0	26.7	73
25/04/2023 08:10	2.1	275	14	3	0	27.3	72
25/04/2023 08:20	2.8	258	6	3.6	0	27.2	72



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/04/2023 08:30	2.8	268	7	3.5	0	27.1	73
25/04/2023 08:40	2.9	278	13	4	0	27.9	72
25/04/2023 08:50	2.7	271	16	4.2	0	28.3	71
25/04/2023 09:00	4.3	274	8	5.3	0	28.4	72
25/04/2023 09:10	3.9	261	10	5.9	0	28.1	73
25/04/2023 09:20	4.5	256	7	5.9	0	27.8	73
25/04/2023 09:30	4.2	266	8	5.5	0	27.7	73
25/04/2023 09:40	3.9	270	12	5.4	0	27.7	73
25/04/2023 09:50	4.1	271	7	5.7	0	27.6	73
25/04/2023 10:00	4.1	264	9	5.4	0	27.9	73
25/04/2023 10:10	3.6	270	11	5.2	0	28.2	73
25/04/2023 10:20	4.1	274	9	5.6	0	28.1	73
25/04/2023 10:30	4.3	269	13	5.8	0	28.1	73
25/04/2023 10:40	4.1	266	10	5.7	0	28.3	73
25/04/2023 10:50	4.1	273	11	5.9	0	28.4	72
25/04/2023 11:00	3.4	267	17	4.5	0	28.7	70
25/04/2023 11:10	3.4	276	11	5.1	0	28.9	67
25/04/2023 11:20	3.3	294	21	4.8	0	29.3	60
25/04/2023 11:30	3.2	275	14	4.8	0	29.5	58
25/04/2023 11:40	2.8	271	13	4.5	0	30	54
25/04/2023 11:50	3.1	267	11	4.1	0	30.5	49
25/04/2023 12:00	3	288	20	4.8	0	30.7	47
25/04/2023 12:10	3.1	300	15	5	0	30.5	48
25/04/2023 12:20	3.4	294	11	5	0	30.6	47
25/04/2023 12:30	4.2	282	9	5.5	0	30.2	49
25/04/2023 12:40	3.5	291	12	4.9	0	30.7	47
25/04/2023 12:50	3.8	284	13	5.9	0	31	45
25/04/2023 13:00	4.2	280	11	6.1	0	31.1	44
25/04/2023 13:10	4.5	276	11	6.4	0	30.9	44
25/04/2023 13:20	4.1	276	12	6.1	0	31	43
25/04/2023 13:30	4.2	281	10	5.8	0	30.8	42
25/04/2023 13:40	4	273	10	5.7	0	30.8	42
25/04/2023 13:50	3.8	275	12	5.3	0	31.1	41
25/04/2023 14:00	3.7	288	15	5.1	0	31.2	40
25/04/2023 14:10	4.1	296	10	5.9	0	30.6	42
25/04/2023 14:20	4	283	14	5.8	0	30.6	40
25/04/2023 14:30	4.3	291	10	5.8	0	30.5	40
25/04/2023 14:40	3.4	292	12	4.7	0	30.4	40
25/04/2023 14:50	3	271	13	4.7	0	30.4	41
25/04/2023 15:00	3	262	12	4.3	0	30.3	42
25/04/2023 15:10	3.3	251	8	4.8	0	30.2	47
25/04/2023 15:20	3.4	274	13	4.6	0	30.3	44
25/04/2023 15:30	3.1	293	8	4.4	0	30.1	44
25/04/2023 15:40	3	323	11	4.5	0	29.8	47
25/04/2023 15:50	2.8	321	14	3.7	0	29.3	52
25/04/2023 16:00	2.5	287	10	3.4	0	29.2	54
25/04/2023 16:10	3.1	284	8	4	0	29.1	54
25/04/2023 16:20	4	262	10	4.9	0	28.8	58



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/04/2023 16:30	4.2	263	11	6	0	28.6	59
25/04/2023 16:40	4.4	267	11	6	0	28.3	63
25/04/2023 16:50	4.7	273	8	6.4	0	28.1	64
25/04/2023 17:00	5.3	275	7	6.7	0	27.9	65
25/04/2023 17:10	5.4	276	8	7.1	0	27.9	66
25/04/2023 17:20	5.3	275	7	6.8	0	27.7	67
25/04/2023 17:30	5	274	9	6.7	0	27.7	67
25/04/2023 17:40	4.5	270	9	6.2	0	27.5	69
25/04/2023 17:50	3.8	273	9	5.1	0	27.5	69
25/04/2023 18:00	3.9	264	7	5.5	0	27.6	68
25/04/2023 18:10	4.6	264	7	6.7	0	27.7	67
25/04/2023 18:20	4.1	276	10	5.8	0	27.6	68
25/04/2023 18:30	4.7	274	7	6.3	0	27.4	69
25/04/2023 18:40	4.7	279	6	6.4	0	27.3	70
25/04/2023 18:50	5	279	5	6.3	0	27.3	70
25/04/2023 19:00	4.2	273	7	6.1	0	27.3	69
25/04/2023 19:10	4.4	279	6	5.7	0	27.5	67
25/04/2023 19:20	4.5	268	7	5.9	0	27.6	66
25/04/2023 19:30	4.6	273	6	6.3	0	27.5	66
25/04/2023 19:40	4.9	274	6	6.4	0	27.5	66
25/04/2023 19:50	4.9	272	7	6.2	0	27.5	66
25/04/2023 20:00	4.4	270	7	5.8	0	27.4	66
25/04/2023 20:10	4.1	271	6	5.7	0	27.3	67
25/04/2023 20:20	3.9	271	7	5.1	0	27.3	67
25/04/2023 20:30	3.7	271	7	4.8	0	27.3	67
25/04/2023 20:40	3.4	271	6	4.2	0	27.2	67
25/04/2023 20:50	3.2	272	7	4.2	0	27.2	67
25/04/2023 21:00	3.1	271	7	4.1	0	27.2	65
25/04/2023 21:10	3.7	273	5	4.4	0	27.2	63
25/04/2023 21:20	3.6	269	6	4.6	0	27.2	61
25/04/2023 21:30	3.6	258	6	4.8	0	27.2	62
25/04/2023 21:40	3.8	256	5	4.8	0	26.9	65
25/04/2023 21:50	3.8	260	10	5.1	0	27	60
25/04/2023 22:00	3.6	251	12	5.4	0	27.6	52
25/04/2023 22:10	3.9	224	13	6.3	0	28.5	48
25/04/2023 22:20	5.2	211	8	7	0	28.4	49
25/04/2023 22:30	4.9	208	9	6.7	0	28.4	46
25/04/2023 22:40	4.1	215	12	5.8	0	28.6	45
25/04/2023 22:50	4.1	210	9	6.2	0	28.4	43
25/04/2023 23:00	3.3	222	16	4.6	0	28.4	42
25/04/2023 23:10	2.7	227	21	4.6	0	28.4	42
25/04/2023 23:20	2.1	239	47	3.7	0	27.6	44
25/04/2023 23:30	1.4	275	27	2.9	0	27.3	45
25/04/2023 23:40	1.9	209	31	3.4	0	27.4	45
25/04/2023 23:50	2.2	235	26	4.8	0	27.7	44
26/04/2023 00:00	1.3	244	28	3	0	27.5	44
26/04/2023 00:10	2.1	267	21	3.4	0	27	46
26/04/2023 00:20	2.6	268	7	3.8	0	26.7	47



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/04/2023 00:30	2	247	20	3.8	0	26.7	47
26/04/2023 00:40	4.3	219	12	6.3	0	27.6	43
26/04/2023 00:50	4.3	212	11	6	0	27.6	42
26/04/2023 01:00	3.7	210	10	5.3	0	27.4	43
26/04/2023 01:10	4.1	217	10	5.6	0	27.4	42
26/04/2023 01:20	2.5	238	34	4.6	0	27.3	43
26/04/2023 01:30	1.9	246	40	3.5	0	26.6	45
26/04/2023 01:40	1.5	277	31	3	0	26.5	45
26/04/2023 01:50	3.2	289	7	4.1	0	26.4	45
26/04/2023 02:00	3.2	301	8	4.1	0	26.4	45
26/04/2023 02:10	2.8	306	13	3.8	0	26.6	44
26/04/2023 02:20	1	238	38	1.8	0	26.5	44
26/04/2023 02:30	1.3	247	20	2.5	0	26.6	44
26/04/2023 02:40	1	243	32	2.1	0	26.5	44
26/04/2023 02:50	0.9	208	36	2.8	0	26.7	44
26/04/2023 03:00	0.9	263	48	1.8	0	26.7	44
26/04/2023 03:10	1.3	187	29	2.1	0	26.7	43
26/04/2023 03:20	1.1	202	28	2.3	0	26.5	44
26/04/2023 03:30	1	303	28	2.3	0	26.3	45
26/04/2023 03:40	0.8	180	34	1.7	0	26.2	44
26/04/2023 03:50	0.8	291	17	1.3	0	26.2	44
26/04/2023 04:00	1	278	19	1.6	0	26	45
26/04/2023 04:10	1.4	285	14	2.2	0	25.7	46
26/04/2023 04:20	0.7	264	45	1.6	0	25.9	45
26/04/2023 04:30	1.1	275	32	1.8	0	25.9	45
26/04/2023 04:40	1	255	39	1.8	0	26.1	45
26/04/2023 04:50	1.1	284	21	2.4	0	26	45
26/04/2023 05:00	0.7	284	17	1.4	0	25.8	45
26/04/2023 05:10	1.1	279	17	2.1	0	25.8	45
26/04/2023 05:20	1.3	250	32	2.9	0	26	45
26/04/2023 05:30	0.9	318	38	1.8	0	26	45
26/04/2023 05:40	1.1	298	28	1.8	0	26	45
26/04/2023 05:50	1.5	293	16	2.7	0	26.1	45
26/04/2023 06:00	0.6	263	43	1.3	0	26.2	45
26/04/2023 06:10	1.7	208	27	3.3	0	26.3	44
26/04/2023 06:20	2.2	207	16	3.7	0	26.4	44
26/04/2023 06:30	3.1	205	12	4.6	0	26.3	44
26/04/2023 06:40	2.9	205	12	4.1	0	26.2	44
26/04/2023 06:50	3	208	11	4.1	0	26.1	45
26/04/2023 07:00	3	211	9	4.1	0	26.2	44
26/04/2023 07:10	1.8	208	13	3	0	26.3	44
26/04/2023 07:20	2.3	208	12	3.5	0	26.4	43
26/04/2023 07:30	1.8	217	17	3.1	0	26.4	43
26/04/2023 07:40	1.6	222	19	2.6	0	26.5	43
26/04/2023 07:50	1.5	243	36	2.6	0	26.5	43
26/04/2023 08:00	0.4	223	67	1.2	0	26.7	43
26/04/2023 08:10	1.5	178	29	2.4	0	26.8	42
26/04/2023 08:20	2.3	192	14	3.2	0	26.7	42



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/04/2023 08:30	2.1	203	14	3.1	0	26.9	42
26/04/2023 08:40	1.5	185	19	2.5	0	27.3	41
26/04/2023 08:50	1.4	193	18	2.2	0	27.7	41
26/04/2023 09:00	1.4	201	21	2.2	0	27.9	41
26/04/2023 09:10	1.9	180	21	3.3	0	28.4	40
26/04/2023 09:20	2	178	15	3.1	0	28.6	40
26/04/2023 09:30	2.1	185	12	3.1	0	28.3	41
26/04/2023 09:40	2.5	191	11	3.6	0	28.7	41
26/04/2023 09:50	2.7	180	15	3.8	0	29.4	40
26/04/2023 10:00	2.7	179	11	4	0	29.5	40
26/04/2023 10:10	2.3	144	24	3.5	0	30.2	38
26/04/2023 10:20	2.1	166	19	3.6	0	30.5	38
26/04/2023 10:30	2.3	130	25	3.5	0	31	37
26/04/2023 10:40	2.7	118	19	4.3	0	31.8	35
26/04/2023 10:50	2.9	103	16	3.9	0	31.4	35
26/04/2023 11:00	2.1	124	19	3.5	0	31.6	36
26/04/2023 11:10	2.3	110	22	3.4	0	32	35
26/04/2023 11:20	2.2	121	25	3.8	0	32.1	35
26/04/2023 11:30	1.9	98	30	3.2	0	32.1	35
26/04/2023 11:40	2.2	96	29	3.3	0	32.1	35
26/04/2023 11:50	1.7	86	40	3.7	0	32.7	35
26/04/2023 12:00	2.1	116	28	3.7	0	33	34
26/04/2023 12:10	2.8	97	31	4.9	0	32.8	34
26/04/2023 12:20	2.7	74	31	4.4	0	32.4	35
26/04/2023 12:30	2.9	36	17	4.5	0	32.2	35
26/04/2023 12:40	2.2	13	24	3.8	0	32.2	36
26/04/2023 12:50	3.3	182	22	4.9	0	32.3	36
26/04/2023 13:00	3.4	323	18	6.3	0	32.1	37
26/04/2023 13:10	3.2	318	15	4.8	0	32.2	37
26/04/2023 13:20	3.2	321	19	5.4	0	32	37
26/04/2023 13:30	3.1	318	16	4.5	0	31.7	38
26/04/2023 13:40	3.4	325	18	4.8	0	32.1	38
26/04/2023 13:50	3.6	304	16	5.1	0	32	38
26/04/2023 14:00	5	283	14	7	0	31.2	45
26/04/2023 14:10	4.2	301	17	6.4	0	31.1	45
26/04/2023 14:20	4.5	280	11	6	0	31	47
26/04/2023 14:30	5.4	270	10	7.7	0	30.4	51
26/04/2023 14:40	5.3	277	9	6.9	0	29.9	52
26/04/2023 14:50	5.2	267	9	6.7	0	29.6	52
26/04/2023 15:00	5.6	268	7	7	0	29.5	52
26/04/2023 15:10	5.3	279	8	6.8	0	29.1	53
26/04/2023 15:20	5.1	274	8	6.4	0	29	54
26/04/2023 15:30	5	265	10	6.8	0	28.8	55
26/04/2023 15:40	5.2	263	6	6.7	0	29	53
26/04/2023 15:50	4.9	262	10	6.4	0	29	52
26/04/2023 16:00	5	273	10	6.4	0	29.4	52
26/04/2023 16:10	4.8	270	9	6.1	0	29.1	53
26/04/2023 16:20	4.9	266	6	5.9	0	28.6	57



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/04/2023 16:30	5.4	265	5	6.6	0	28.2	58
26/04/2023 16:40	5.4	267	6	6.9	0	28.2	58
26/04/2023 16:50	5.5	266	7	6.7	0	28.2	59
26/04/2023 17:00	5.8	263	7	7.1	0	27.8	61
26/04/2023 17:10	5.3	267	7	6.5	0	27.5	63
26/04/2023 17:20	4.3	269	8	6	0	27.5	65
26/04/2023 17:30	4.4	269	10	5.8	0	27.5	64
26/04/2023 17:40	5.2	270	6	6.5	0	27.2	65
26/04/2023 17:50	5.4	267	6	6.8	0	27	67
26/04/2023 18:00	5.3	270	8	7.2	0	26.9	68
26/04/2023 18:10	4.8	276	6	6.4	0	26.8	67
26/04/2023 18:20	4.5	278	8	6.1	0	26.8	65
26/04/2023 18:30	4.5	272	6	6.5	0	26.8	65
26/04/2023 18:40	4	282	8	5.6	0	26.7	65
26/04/2023 18:50	3.4	286	8	4.6	0	26.7	65
26/04/2023 19:00	3.6	287	9	5.3	0	26.7	65
26/04/2023 19:10	3.4	271	8	4.8	0	26.8	66
26/04/2023 19:20	3.9	275	7	5.8	0	26.7	67
26/04/2023 19:30	4.6	271	7	6.4	0	26.7	69
26/04/2023 19:40	4.3	271	6	6	0	26.6	70
26/04/2023 19:50	4.3	268	7	6.1	0	26.6	70
26/04/2023 20:00	4.1	264	5	5.3	0	26.5	70
26/04/2023 20:10	4.3	261	6	5.5	0	26.3	71
26/04/2023 20:20	4.3	260	5	5.4	0	26.2	70
26/04/2023 20:30	4.7	263	5	6	0	26.2	70
26/04/2023 20:40	4	263	5	5.2	0	26.3	70
26/04/2023 20:50	4.4	262	5	5.6	0	26.2	70
26/04/2023 21:00	4.4	265	4	5.7	0	26.3	69
26/04/2023 21:10	4.2	266	5	5.3	0	26.3	70
26/04/2023 21:20	4.2	269	3	5.2	0	26.3	70
26/04/2023 21:30	3.8	268	4	4.9	0	26.3	71
26/04/2023 21:40	4.2	268	5	5.4	0	26.3	71
26/04/2023 21:50	3.4	268	6	4.4	0	26.2	72
26/04/2023 22:00	3.8	265	6	5.1	0	26	71
26/04/2023 22:10	3.7	266	4	4.7	0	26	66
26/04/2023 22:20	4.4	269	4	5.6	0	26.1	63
26/04/2023 22:30	4.5	271	5	5.8	0	26.1	62
26/04/2023 22:40	4.6	268	4	6.1	0	26.1	63
26/04/2023 22:50	3.8	269	5	5.2	0	26	64
26/04/2023 23:00	3.6	269	5	5.1	0	26	64
26/04/2023 23:10	3.4	269	4	4	0	25.9	66
26/04/2023 23:20	3.3	271	3	4.4	0	25.8	67
26/04/2023 23:30	3.8	269	5	5.1	0	25.8	66
26/04/2023 23:40	4	267	5	5	0	25.8	65
26/04/2023 23:50	3.4	269	4	4.3	0	25.7	66
27/04/2023 00:00	3.8	271	4	4.8	0	25.6	65
27/04/2023 00:10	3.9	268	5	5	0	25.8	64
27/04/2023 00:20	3.9	264	5	4.6	0	25.8	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/04/2023 00:30	3.7	269	3	5	0	25.7	67
27/04/2023 00:40	4	270	5	6	0	25.8	65
27/04/2023 00:50	3.7	269	3	4.8	0	25.8	65
27/04/2023 01:00	3.7	265	4	4.8	0	25.8	66
27/04/2023 01:10	3.6	268	4	4.8	0	25.6	66
27/04/2023 01:20	3	271	4	3.6	0	25.6	66
27/04/2023 01:30	2.8	268	3	3.3	0	25.4	66
27/04/2023 01:40	3.1	266	4	3.9	0	25.3	66
27/04/2023 01:50	3.3	262	5	4.3	0	25.2	65
27/04/2023 02:00	3.3	270	4	4.2	0	25.2	64
27/04/2023 02:10	3.5	269	4	4.4	0	25.3	62
27/04/2023 02:20	4	265	4	5.3	0	25.3	62
27/04/2023 02:30	4	260	4	5.1	0	25.2	63
27/04/2023 02:40	3.1	268	6	3.8	0	24.9	63
27/04/2023 02:50	3	266	5	3.8	0	25	62
27/04/2023 03:00	2.9	269	6	3.8	0	24.9	63
27/04/2023 03:10	3.2	266	5	4	0	25	62
27/04/2023 03:20	3	269	5	3.9	0	24.9	63
27/04/2023 03:30	3.1	276	4	3.9	0	24.9	64
27/04/2023 03:40	3.2	272	4	4.1	0	25	65
27/04/2023 03:50	2.9	268	5	3.8	0	25.1	66
27/04/2023 04:00	2.6	267	5	3.2	0	25	67
27/04/2023 04:10	2.2	267	5	2.7	0	24.8	69
27/04/2023 04:20	1.5	281	7	1.9	0	24.6	68
27/04/2023 04:30	1.3	271	9	1.7	0	24.8	64
27/04/2023 04:40	1.5	272	7	2	0	24.9	63
27/04/2023 04:50	1.3	278	15	1.9	0	25	62
27/04/2023 05:00	1	280	13	1.3	0	25.1	61
27/04/2023 05:10	1.6	272	12	2.3	0	25	60
27/04/2023 05:20	2.5	278	4	3.1	0	24.8	62
27/04/2023 05:30	1.5	281	7	2.4	0	24.8	65
27/04/2023 05:40	1.5	295	10	1.9	0	24.8	67
27/04/2023 05:50	2	273	5	2.5	0	24.8	69
27/04/2023 06:00	1.1	236	25	1.6	0	24.6	69
27/04/2023 06:10	1	249	21	1.6	0	24.5	69
27/04/2023 06:20	0.5	149	51	1.2	0	24.3	70
27/04/2023 06:30	0.4	35	42	0.9	0	24.1	69
27/04/2023 06:40	0.9	48	4	1	0	24	69
27/04/2023 06:50	0.7	50	17	0.9	0	24.2	70
27/04/2023 07:00	0.6	45	47	0.9	0	24.2	70
27/04/2023 07:10	0.9	81	25	1.3	0	24.6	67
27/04/2023 07:20	0.7	71	19	0.9	0	25.4	66
27/04/2023 07:30	0.8	72	17	1.2	0	26.1	61
27/04/2023 07:40	1.4	58	11	2.1	0	26.3	55
27/04/2023 07:50	1.5	71	12	2.2	0	26.4	51
27/04/2023 08:00	1.7	95	11	2.4	0	26.8	48
27/04/2023 08:10	1.5	86	12	2.1	0	26.4	50
27/04/2023 08:20	1.4	101	14	2.2	0	26.7	48



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/04/2023 08:30	1.8	84	13	2.7	0	27.2	48
27/04/2023 08:40	1.9	78	10	2.4	0	26.9	51
27/04/2023 08:50	2	90	9	2.8	0	27.2	52
27/04/2023 09:00	1.8	103	11	2.6	0	27.6	52
27/04/2023 09:10	2	102	9	2.9	0	27.6	52
27/04/2023 09:20	2.4	104	11	3.4	0	27.4	54
27/04/2023 09:30	2.3	100	12	3.3	0	27	58
27/04/2023 09:40	2.5	104	13	3.9	0	27.1	57
27/04/2023 09:50	2.3	106	12	3.5	0	27.4	56
27/04/2023 10:00	1.9	115	16	2.7	0	27.7	56
27/04/2023 10:10	1.6	103	20	2.8	0	28.1	54
27/04/2023 10:20	2	96	15	3.1	0	28.3	53
27/04/2023 10:30	3.1	92	11	4.4	0	28.4	52
27/04/2023 10:40	3.8	81	10	5.4	0	28.7	51
27/04/2023 10:50	4.2	76	10	6.1	0	28.8	52
27/04/2023 11:00	3.9	78	11	5.7	0	29	51
27/04/2023 11:10	4.2	82	9	5.9	0	28.9	52
27/04/2023 11:20	4.3	78	9	6.1	0	28.6	55
27/04/2023 11:30	4.2	87	10	6.1	0	28.6	57
27/04/2023 11:40	4.1	98	12	5.8	0	28.6	56
27/04/2023 11:50	4.2	98	11	5.9	0	28.6	58
27/04/2023 12:00	4.2	98	13	6	0	28.2	61
27/04/2023 12:10	4.6	98	10	6.2	0	28	63
27/04/2023 12:20	5.1	82	8	6.8	0	28	63
27/04/2023 12:30	5.1	84	8	6.9	0	28.1	63
27/04/2023 12:40	5	92	9	7.2	0	28.2	64
27/04/2023 12:50	4.9	89	9	6.9	0	28.3	65
27/04/2023 13:00	4.9	83	10	6.7	0	28.2	66
27/04/2023 13:10	5.5	73	8	7	0	28.3	64
27/04/2023 13:20	6	71	7	7.6	0	28	65
27/04/2023 13:30	5.9	74	6	7.6	0	27.8	67
27/04/2023 13:40	5.7	83	7	7.3	0	28	67
27/04/2023 13:50	6.1	88	7	8.7	0	29	64
27/04/2023 14:00	6	77	10	7.9	0	29.9	56
27/04/2023 14:10	6.4	58	7	7.9	0	29.4	57
27/04/2023 14:20	6.6	66	7	8.7	0	29.1	55
27/04/2023 14:30	5.9	59	11	7.7	0	29.6	55
27/04/2023 14:40	5.4	66	9	7.2	0	29.6	54
27/04/2023 14:50	5.2	60	10	6.7	0	29.3	58
27/04/2023 15:00	4.2	55	9	5.7	0	28.9	63
27/04/2023 15:10	4.5	55	9	6.1	0	28.8	66
27/04/2023 15:20	5	60	8	7.4	0	28.3	70
27/04/2023 15:30	5	54	10	6.3	0	28.3	71
27/04/2023 15:40	4.7	58	9	6.1	0	28.2	70
27/04/2023 15:50	4.9	61	7	5.9	0	28.3	69
27/04/2023 16:00	4.8	65	7	6.5	0	28.2	69
27/04/2023 16:10	3.8	58	8	4.8	0	28.3	69
27/04/2023 16:20	3.5	56	9	4.6	0	28.5	69





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/04/2023 16:30	3.3	61	7	4.2	0	28.6	68
27/04/2023 16:40	2.6	55	8	3.4	0	29.1	67
27/04/2023 16:50	2.5	62	7	3.3	0	29.2	66
27/04/2023 17:00	2.6	63	7	3.5	0	29.1	66
27/04/2023 17:10	2.4	64	9	3.4	0	28.8	67
27/04/2023 17:20	1.9	48	8	2.7	0	28.7	67
27/04/2023 17:30	2	33	12	2.7	0	28.8	65
27/04/2023 17:40	2	29	12	2.8	0	28.7	66
27/04/2023 17:50	1.7	40	17	2.3	0	28.4	69
27/04/2023 18:00	1.7	190	18	2.4	0	28.2	69
27/04/2023 18:10	2.2	172	9	2.8	0	28.1	69
27/04/2023 18:20	2.2	334	7	2.9	0	27.9	71
27/04/2023 18:30	2	329	9	2.6	0	27.8	73
27/04/2023 18:40	1.2	335	15	1.9	0	27.6	74
27/04/2023 18:50	0.7	335	45	1.6	0	27.5	74
27/04/2023 19:00	1.5	324	8	2	0	27.4	74
27/04/2023 19:10	1.7	328	6	2.2	0	27.3	74
27/04/2023 19:20	2	340	8	2.6	0	27.3	74
27/04/2023 19:30	1.8	339	7	2.5	0	27.3	74
27/04/2023 19:40	1.3	340	13	1.9	0	27.2	74
27/04/2023 19:50	1.8	348	9	2.6	0	27.2	74
27/04/2023 20:00	2	338	9	2.7	0	27.1	74
27/04/2023 20:10	1.8	310	11	2.7	0	27.1	74
27/04/2023 20:20	1.9	281	9	2.4	0	27.1	74
27/04/2023 20:30	1.1	289	8	1.5	0	27.1	74
27/04/2023 20:40	0.9	306	17	1.4	0	27	74
27/04/2023 20:50	1.1	283	18	1.8	0	27	74
27/04/2023 21:00	1.5	288	10	2.1	0	27	74
27/04/2023 21:10	1.4	294	12	2	0	27	74
27/04/2023 21:20	1.1	333	16	1.9	0	26.9	73
27/04/2023 21:30	1	179	19	1.6	0	26.9	72
27/04/2023 21:40	0.8	41	30	1.3	0	26.9	72
27/04/2023 21:50	0.9	359	16	1.3	0	26.8	71
27/04/2023 22:00	0.7	277	29	1.2	0	26.8	71
27/04/2023 22:10	1.9	251	11	2.5	0	26.8	71
27/04/2023 22:20	1.8	268	5	2.1	0	26.5	70
27/04/2023 22:30	1.8	269	8	2.2	0	26.3	68
27/04/2023 22:40	1.2	289	7	1.5	0	26.2	66
27/04/2023 22:50	1.7	269	5	2.3	0	26.2	66
27/04/2023 23:00	2.3	266	6	2.9	0	26.1	65
27/04/2023 23:10	1.7	263	11	2.4	0	26	66
27/04/2023 23:20	0.6	242	23	1.2	0	26.1	67
27/04/2023 23:30	1.3	259	13	2.2	0	26.2	69
27/04/2023 23:40	1.8	277	6	2.1	0	26.3	69
27/04/2023 23:50	1.6	288	7	2.2	0	26.3	69
28/04/2023 00:00	2.3	272	6	2.9	0	26.2	69
28/04/2023 00:10	2.6	256	9	3.4	0	26.3	68
28/04/2023 00:20	2.8	259	10	3.8	0	26.3	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/04/2023 00:30	2.3	268	7	2.9	0	26.2	66
28/04/2023 00:40	2.2	265	11	2.9	0	26.1	64
28/04/2023 00:50	1.9	271	7	2.7	0	26	63
28/04/2023 01:00	2.4	262	10	3.3	0	26.1	62
28/04/2023 01:10	2.1	262	11	3.1	0	26.1	62
28/04/2023 01:20	2.2	261	13	3.2	0	26	63
28/04/2023 01:30	1.7	260	17	3.2	0	25.9	66
28/04/2023 01:40	1.6	267	12	2.7	0	25.9	69
28/04/2023 01:50	1.6	245	21	3	0	25.8	71
28/04/2023 02:00	1.3	232	19	2.3	0	26	72
28/04/2023 02:10	2.9	267	6	3.8	0	25.8	73
28/04/2023 02:20	1.6	257	21	3	0	25.8	73
28/04/2023 02:30	2.9	264	9	4.1	0	25.8	73
28/04/2023 02:40	1.8	268	27	3	0	25.8	73
28/04/2023 02:50	0.6	219	33	1.4	0	25.7	73
28/04/2023 03:00	0.5	170	60	1.2	0	25.7	73
28/04/2023 03:10	1.2	192	31	2.6	0	25.9	73
28/04/2023 03:20	1.8	232	26	3.3	0	26.3	72
28/04/2023 03:30	1.5	214	21	2.5	0	26.3	72
28/04/2023 03:40	1	179	20	2.2	0	26.5	71
28/04/2023 03:50	0.8	169	33	1.4	0	26.5	71
28/04/2023 04:00	0.4	142	89	1	0	26.4	71
28/04/2023 04:10	0.5	157	76	1.3	0	26.2	72
28/04/2023 04:20	1	66	38	1.5	0	26.1	72
28/04/2023 04:30	0.9	65	25	1.8	0	26	72
28/04/2023 04:40	0.8	83	21	1.4	0	26	72
28/04/2023 04:50	0.9	101	19	1.6	0	26.1	71
28/04/2023 05:00	0.7	112	22	1.3	0	26	71
28/04/2023 05:10	0.8	119	12	1.5	0	26	72
28/04/2023 05:20	1.3	113	10	1.9	0	26.2	71
28/04/2023 05:30	1.3	84	12	2.1	0	26.2	71
28/04/2023 05:40	1	63	15	1.8	0	25.8	72
28/04/2023 05:50	0.9	66	13	1.5	0	25.6	73
28/04/2023 06:00	0.8	79	13	1.3	0	25.7	73
28/04/2023 06:10	1.6	101	10	2.6	0	25.7	73
28/04/2023 06:20	1.5	102	11	2.3	0	25.8	73
28/04/2023 06:30	1.4	93	11	2.4	0	25.8	74
28/04/2023 06:40	1.1	94	13	2	0	25.6	74
28/04/2023 06:50	0.9	98	20	1.6	0	25.6	74
28/04/2023 07:00	0.8	60	24	1.4	0	25.7	74
28/04/2023 07:10	0.8	64	18	1.3	0	25.8	74
28/04/2023 07:20	1.4	66	14	2.1	0	25.9	73
28/04/2023 07:30	1.6	93	15	2.8	0	26	71
28/04/2023 07:40	1.3	89	16	1.8	0	26.5	68
28/04/2023 07:50	1.4	94	10	2.1	0	26.7	68
28/04/2023 08:00	2	97	7	2.7	0	26.8	67
28/04/2023 08:10	2.6	100	10	4	0	26.8	67
28/04/2023 08:20	2.4	100	10	3.6	0	26.8	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/04/2023 08:30	2.7	101	10	3.7	0	26.9	68
28/04/2023 08:40	2.6	108	11	3.7	0	27	70
28/04/2023 08:50	2.5	101	11	3.7	0	27	71
28/04/2023 09:00	2.7	101	11	3.7	0	26.9	71
28/04/2023 09:10	3.1	101	11	4.4	0	26.9	69
28/04/2023 09:20	3.3	98	9	4.9	0	27.3	67
28/04/2023 09:30	2.7	109	17	3.9	0	27.9	66
28/04/2023 09:40	2.4	106	16	3.8	0	28.4	65
28/04/2023 09:50	2.6	106	18	4.2	0	28.8	64
28/04/2023 10:00	3.5	104	14	5.7	0	29	62
28/04/2023 10:10	3.7	105	15	5.6	0	29.6	58
28/04/2023 10:20	4.2	97	11	6.6	0	29.4	55
28/04/2023 10:30	3.9	99	11	5.6	0	29.2	54
28/04/2023 10:40	3.6	96	11	5.1	0	29.5	53
28/04/2023 10:50	4.1	93	9	5.8	0	29.7	49
28/04/2023 11:00	3.9	93	10	5.2	0	29.8	48
28/04/2023 11:10	3.9	92	10	5.5	0	30.1	48
28/04/2023 11:20	4.1	87	9	5.8	0	30.4	45
28/04/2023 11:30	5.7	74	5	7.1	0	30.2	45
28/04/2023 11:40	5.7	79	5	7.8	0	29.8	47
28/04/2023 11:50	6.4	76	6	7.6	0	29.6	48
28/04/2023 12:00	5.2	78	10	7	0	30.7	46
28/04/2023 12:10	5.8	87	9	7.7	0	31.4	43
28/04/2023 12:20	5.8	82	9	7.9	0	31.2	42
28/04/2023 12:30	6.8	73	6	8.6	0	30.6	41
28/04/2023 12:40	6.4	76	9	8.5	0	31	40
28/04/2023 12:50	6	83	10	9.2	0	31.8	36
28/04/2023 13:00	6.7	76	8	8.6	0	31.6	34
28/04/2023 13:10	5.8	74	8	7.7	0	31.3	36
28/04/2023 13:20	5	87	11	6.9	0	31	38
28/04/2023 13:30	5.1	86	9	6.8	0	30.4	40
28/04/2023 13:40	4.6	81	10	6.2	0	30.4	38
28/04/2023 13:50	5	77	9	7.5	0	30.2	37
28/04/2023 14:00	4.5	70	11	6.2	0	30.2	37
28/04/2023 14:10	4.7	64	8	6.2	0	30	38
28/04/2023 14:20	4.6	64	8	6	0	29.9	40
28/04/2023 14:30	4.1	65	10	5.8	0	29.9	43
28/04/2023 14:40	4	69	11	6.1	0	30	41
28/04/2023 14:50	4.2	63	8	5.5	0	29.8	42
28/04/2023 15:00	3.4	62	12	5.3	0	29.8	42
28/04/2023 15:10	3.5	62	8	4.6	0	30	39
28/04/2023 15:20	3.1	60	8	4.4	0	29.9	40
28/04/2023 15:30	2.9	60	9	4	0	29.9	41
28/04/2023 15:40	2.7	71	10	3.5	0	30	39
28/04/2023 15:50	2.7	65	11	3.8	0	30.1	38
28/04/2023 16:00	2.5	56	9	3.7	0	29.8	40
28/04/2023 16:10	2.6	55	7	3.4	0	29.7	40
28/04/2023 16:20	3.1	60	8	4.2	0	29.8	40



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/04/2023 16:30	3.4	66	8	4.6	0	29.9	40
28/04/2023 16:40	3.3	62	6	4.6	0	29.7	41
28/04/2023 16:50	2.7	55	7	4	0	29.6	42
28/04/2023 17:00	3	55	6	4.2	0	29.4	42
28/04/2023 17:10	3	56	6	4.1	0	29.3	42
28/04/2023 17:20	2.9	55	6	3.8	0	29.2	42
28/04/2023 17:30	2.8	53	6	3.9	0	29.2	42
28/04/2023 17:40	2.5	53	7	3.6	0	29.3	42
28/04/2023 17:50	2.8	45	7	3.9	0	29.3	40
28/04/2023 18:00	2.9	47	6	3.7	0	29.5	37
28/04/2023 18:10	2.7	52	6	3.7	0	29.5	37
28/04/2023 18:20	2.2	50	4	2.7	0	29.2	38
28/04/2023 18:30	2.1	48	4	2.5	0	28.9	40
28/04/2023 18:40	1.8	51	5	2.3	0	28.6	41
28/04/2023 18:50	1.5	50	7	1.9	0	28.5	42
28/04/2023 19:00	0.8	69	17	1.4	0	28.5	41
28/04/2023 19:10	0.7	66	19	1.2	0	28.5	40
28/04/2023 19:20	0.5	69	34	0.9	0	28.5	39
28/04/2023 19:30	0.9	160	13	1.3	0	28.6	41
28/04/2023 19:40	0.6	112	15	0.8	0	28.4	42
28/04/2023 19:50	0.3	84	21	0.5	0	28	41
28/04/2023 20:00	0.5	210	10	0.7	0	28.4	41
28/04/2023 20:10	0.5	225	17	0.8	0	28.7	39
28/04/2023 20:20	0.6	255	10	0.8	0	28.9	38
28/04/2023 20:30	0.8	249	10	1.1	0	28.7	39
28/04/2023 20:40	0.4	272	14	0.6	0	28.2	40
28/04/2023 20:50	0.2	249	23	0.5	0	28	41
28/04/2023 21:00	0.2	185	58	0.3	0	27.7	43
28/04/2023 21:10	0.2	195	83	0.4	0	27.7	44
28/04/2023 21:20	0.2	134	67	0.3	0	27.5	45
28/04/2023 21:30	0.2	164	20	0.4	0	27.6	45
28/04/2023 21:40	0.3	109	39	0.5	0	27.7	47
28/04/2023 21:50	0.4	40	21	0.7	0	27.8	53
28/04/2023 22:00	0.2	185	40	0.4	0	27.6	56
28/04/2023 22:10	0.6	198	8	0.8	0	27.3	55
28/04/2023 22:20	1	236	8	1.5	0	26.9	58
28/04/2023 22:30	2.1	266	5	2.5	0	26.6	63
28/04/2023 22:40	0.8	279	23	1.6	0	26.6	62
28/04/2023 22:50	1	295	14	1.6	0	26.8	59
28/04/2023 23:00	1.1	49	16	1.6	0	27	59
28/04/2023 23:10	2.2	56	4	2.6	0	26.4	59
28/04/2023 23:20	2.3	49	4	2.7	0	26.8	58
28/04/2023 23:30	1.5	70	10	2	0	26.7	58
28/04/2023 23:40	0.8	94	17	1.4	0	26.7	59
28/04/2023 23:50	1	51	10	1.5	0	26.7	59
29/04/2023 00:00	0.9	64	9	1.4	0	26.7	58
29/04/2023 00:10	0.9	67	8	1.3	0	26.8	57
29/04/2023 00:20	0.9	44	8	1.3	0	26.8	59



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/04/2023 00:30	0.7	58	29	1	0	26.8	61
29/04/2023 00:40	0.5	31	20	0.8	0	26.8	62
29/04/2023 00:50	0.8	48	8	1	0	26.7	62
29/04/2023 01:00	0.8	62	8	1.1	0	26.5	62
29/04/2023 01:10	0.8	66	12	1.1	0	26.4	63
29/04/2023 01:20	0.8	62	10	1.1	0	26.4	61
29/04/2023 01:30	0.6	58	12	0.9	0	26.3	61
29/04/2023 01:40	0.5	184	76	1	0	26.3	58
29/04/2023 01:50	0.6	56	18	0.9	0	26.3	58
29/04/2023 02:00	0.5	48	45	0.9	0	26.4	56
29/04/2023 02:10	0.5	27	16	0.8	0	26.8	50
29/04/2023 02:20	0.6	72	32	1.2	0	26.7	47
29/04/2023 02:30	1.1	80	11	1.5	0	26.5	47
29/04/2023 02:40	1.1	89	17	1.9	0	26.3	47
29/04/2023 02:50	1.1	74	19	2.1	0	26.5	48
29/04/2023 03:00	1.1	69	10	1.7	0	26.5	49
29/04/2023 03:10	1.4	69	14	2.6	0	26.4	50
29/04/2023 03:20	1.5	76	14	2.6	0	27	49
29/04/2023 03:30	1.2	82	8	1.5	0	26.7	51
29/04/2023 03:40	0.5	91	40	0.9	0	26.4	55
29/04/2023 03:50	0.9	80	15	1.5	0	26.3	58
29/04/2023 04:00	1	75	11	1.4	0	26	63
29/04/2023 04:10	1.1	82	13	1.9	0	25.8	63
29/04/2023 04:20	1.8	91	10	3.2	0	25.9	60
29/04/2023 04:30	2.9	105	12	4.2	0	26.3	58
29/04/2023 04:40	2.8	99	10	4.1	0	26.5	56
29/04/2023 04:50	2.7	104	11	4.1	0	26.5	55
29/04/2023 05:00	3.7	104	12	6.6	0	26.6	51
29/04/2023 05:10	3.8	99	10	5.9	0	26.8	47
29/04/2023 05:20	4.3	101	11	6.7	0	26.6	48
29/04/2023 05:30	4	101	11	6.3	0	26.6	49
29/04/2023 05:40	4.1	106	12	6.7	0	26.5	49
29/04/2023 05:50	3.8	105	12	6.2	0	26.4	50
29/04/2023 06:00	4	104	12	6.5	0	26.5	47
29/04/2023 06:10	4.4	102	11	6.8	0	26.4	48
29/04/2023 06:20	4.8	105	12	7.9	0	26.4	48
29/04/2023 06:30	5.6	106	11	9.2	0	26.4	47
29/04/2023 06:40	5.8	104	12	8.8	0	26.5	44
29/04/2023 06:50	6.6	106	12	10.7	0	26.6	43
29/04/2023 07:00	6.7	108	9	10.2	0	26.7	42
29/04/2023 07:10	6.4	108	11	10.5	0	26.8	42
29/04/2023 07:20	6.2	105	10	10.1	0	26.8	41
29/04/2023 07:30	6.5	108	12	11	0	26.8	39
29/04/2023 07:40	6.7	107	12	10.8	0	26.9	39
29/04/2023 07:50	6.5	106	11	9.8	0	27	38
29/04/2023 08:00	6.7	109	11	10.2	0	27.1	37
29/04/2023 08:10	7.3	109	10	10.3	0	27.1	36
29/04/2023 08:20	7.3	107	10	12.1	0	27.2	34



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/04/2023 08:30	7.5	106	12	11.6	0	27.3	33
29/04/2023 08:40	7.3	107	11	11.2	0	27.4	33
29/04/2023 08:50	7.2	107	10	11.5	0	27.5	32
29/04/2023 09:00	7.4	106	11	11.4	0	27.6	32
29/04/2023 09:10	7.7	105	11	11.4	0	27.7	32
29/04/2023 09:20	7.8	105	11	11.7	0	27.8	32
29/04/2023 09:30	6.8	103	12	10.8	0	28	31
29/04/2023 09:40	6.6	103	10	9.5	0	28.3	31
29/04/2023 09:50	6.7	99	11	10.3	0	28.6	31
29/04/2023 10:00	6.9	100	11	10.1	0	28.7	30
29/04/2023 10:10	6.8	103	12	11.4	0	28.8	32
29/04/2023 10:20	7	97	10	9.5	0	28.9	34
29/04/2023 10:30	6.9	99	9	10.3	0	29.2	31
29/04/2023 10:40	7.4	93	9	11.1	0	29.3	32
29/04/2023 10:50	7.7	94	7	11.1	0	29.5	33
29/04/2023 11:00	7.5	92	9	10.2	0	29.7	33
29/04/2023 11:10	7.4	86	8	10.4	0	29.5	35
29/04/2023 11:20	7.6	84	9	10.2	0	29.5	35
29/04/2023 11:30	7.8	87	8	10.9	0	29.7	34
29/04/2023 11:40	7.7	82	9	10.5	0	29.8	34
29/04/2023 11:50	7.7	84	8	10.3	0	29.9	33
29/04/2023 12:00	7.5	86	9	10.5	0	30.2	33
29/04/2023 12:10	7.2	85	8	10.4	0	30.3	33
29/04/2023 12:20	7	82	10	9.9	0	30.6	33
29/04/2023 12:30	7.5	74	9	11.2	0	30.3	33
29/04/2023 12:40	8	72	8	10.7	0	29.8	36
29/04/2023 12:50	8.3	75	9	10.8	0	29.6	38
29/04/2023 13:00	7.2	78	8	9.9	0	29.7	38
29/04/2023 13:10	6.6	83	9	9.7	0	30.4	36
29/04/2023 13:20	6.7	77	9	10	0	30.7	34
29/04/2023 13:30	6.1	71	11	8.7	0	31	35
29/04/2023 13:40	6.1	70	11	8.9	0	30.8	35
29/04/2023 13:50	6.3	70	10	9.3	0	31.2	35
29/04/2023 14:00	7.3	58	8	10.2	0	30.5	35
29/04/2023 14:10	7	62	8	9	0	30.1	35
29/04/2023 14:20	7.2	58	8	9.9	0	30.2	35
29/04/2023 14:30	7.3	59	8	9.6	0	30.2	34
29/04/2023 14:40	7.3	61	9	9.6	0	30.4	34
29/04/2023 14:50	6.4	59	11	8.7	0	30.7	36
29/04/2023 15:00	7.1	51	8	9	0	30.7	37
29/04/2023 15:10	7	51	6	9.1	0	30.4	38
29/04/2023 15:20	6.6	53	7	8.5	0	30.4	36
29/04/2023 15:30	7.1	52	8	9.9	0	30.6	32
29/04/2023 15:40	7.3	55	7	10	0	30.8	28
29/04/2023 15:50	8	56	6	10.4	0	30.9	28
29/04/2023 16:00	7.3	54	8	9.4	0	31	28
29/04/2023 16:10	7.1	58	7	9.5	0	31	28
29/04/2023 16:20	7.4	57	6	9.6	0	31	28



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/04/2023 16:30	6.3	56	7	8.6	0	30.9	29
29/04/2023 16:40	6.4	50	6	8.8	0	31	27
29/04/2023 16:50	5.9	48	9	8.5	0	31.2	26
29/04/2023 17:00	5.5	37	11	7.3	0	31	34
29/04/2023 17:10	5.3	29	9	7	0	30.4	38
29/04/2023 17:20	4.4	25	9	6.3	0	29.8	44
29/04/2023 17:30	4.8	18	8	6.4	0	29.4	45
29/04/2023 17:40	4.9	21	7	6.3	0	29.1	46
29/04/2023 17:50	5.1	13	7	6.7	0	28.6	51
29/04/2023 18:00	6.2	10	7	8.1	0	28	55
29/04/2023 18:10	6.5	10	6	8.6	0	27.8	55
29/04/2023 18:20	5.9	8	7	7.9	0	27.7	56
29/04/2023 18:30	6.2	8	5	8.1	0	27.6	57
29/04/2023 18:40	5.6	9	7	7.3	0	27.5	57
29/04/2023 18:50	5.3	12	8	7	0	27.4	57
29/04/2023 19:00	4.8	13	7	6.7	0	27.4	57
29/04/2023 19:10	4.5	16	8	6.2	0	27.4	57
29/04/2023 19:20	4.1	16	9	5.9	0	27.2	57
29/04/2023 19:30	4.1	20	10	6.2	0	27.3	57
29/04/2023 19:40	3.3	27	11	5.6	0	27.2	57
29/04/2023 19:50	2.6	38	12	4.3	0	27.1	58
29/04/2023 20:00	2.4	52	12	3.5	0	27	57
29/04/2023 20:10	1.1	60	17	2	0	26.8	57
29/04/2023 20:20	0.8	63	27	1.5	0	26.4	57
29/04/2023 20:30	1.1	61	19	2.3	0	26.3	57
29/04/2023 20:40	1.3	47	13	2.4	0	26.3	56
29/04/2023 20:50	1	86	24	1.9	0	26.2	57
29/04/2023 21:00	0.4	147	29	0.7	0	25.7	59
29/04/2023 21:10	0.5	123	15	0.9	0	25.5	60
29/04/2023 21:20	0.7	111	16	0.9	0	25.5	61
29/04/2023 21:30	0.3	83	42	0.6	0	25.7	61
29/04/2023 21:40	0.4	222	19	0.6	0	25.4	61
29/04/2023 21:50	0.5	180	13	0.7	0	25.2	63
29/04/2023 22:00	0.5	169	12	0.7	0	25	64
29/04/2023 22:10	0.7	190	4	0.9	0	24.9	66
29/04/2023 22:20	0.7	168	10	1.1	0	25	66
29/04/2023 22:30	0.6	117	19	0.9	0	24.8	66
29/04/2023 22:40	0.6	51	15	1	0	25.1	66
29/04/2023 22:50	0.5	48	8	0.6	0	25.3	65
29/04/2023 23:00	0.5	75	7	0.8	0	25.1	66
29/04/2023 23:10	0.6	57	13	0.9	0	25.4	66
29/04/2023 23:20	0.7	71	14	1.1	0	25.5	67
29/04/2023 23:30	0.8	67	12	1.3	0	25.4	70
29/04/2023 23:40	0.8	53	10	1.2	0	25.2	72
29/04/2023 23:50	0.9	94	20	1.5	0	24.9	73
30/04/2023 00:00	1.4	124	17	2.4	0	25.2	74
30/04/2023 00:10	1.3	121	21	2.3	0	25.2	74
30/04/2023 00:20	1.2	109	22	2.1	0	25	74



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/04/2023 00:30	1.6	125	20	3.3	0	24.9	74
30/04/2023 00:40	1.9	130	19	3.8	0	25.1	73
30/04/2023 00:50	1.5	119	23	2.9	0	25	73
30/04/2023 01:00	2.1	135	19	3.4	0	24.9	73
30/04/2023 01:10	2	124	25	3.6	0	25	72
30/04/2023 01:20	3.7	103	10	6.1	0	25	69
30/04/2023 01:30	4.2	101	11	6.5	0	25.5	59
30/04/2023 01:40	4.4	103	11	6.8	0	26.1	49
30/04/2023 01:50	4.7	105	11	7.8	0	26.1	47
30/04/2023 02:00	3.3	108	11	5.7	0	25.8	51
30/04/2023 02:10	4.1	107	13	6.6	0	25.4	53
30/04/2023 02:20	4	105	10	6.1	0	25.2	53
30/04/2023 02:30	4	106	12	5.8	0	25.2	48
30/04/2023 02:40	4.4	106	11	6.7	0	25.2	44
30/04/2023 02:50	4.2	107	10	6.3	0	25.1	43
30/04/2023 03:00	3.9	106	11	6.1	0	24.9	44
30/04/2023 03:10	3.8	108	13	5.9	0	24.8	44
30/04/2023 03:20	4.2	108	11	6.5	0	24.9	41
30/04/2023 03:30	4.6	108	9	7.3	0	24.7	40
30/04/2023 03:40	4.5	104	10	6.8	0	24.7	39
30/04/2023 03:50	4.3	103	11	6.9	0	24.6	39
30/04/2023 04:00	4.8	104	10	7.7	0	24.6	38
30/04/2023 04:10	5.2	105	11	7.7	0	24.6	37
30/04/2023 04:20	5.2	103	10	7.9	0	24.6	36
30/04/2023 04:30	5.7	102	11	8.9	0	24.5	36
30/04/2023 04:40	5.3	102	10	7.9	0	24.5	37
30/04/2023 04:50	5.6	105	11	8.4	0	24.4	36
30/04/2023 05:00	5.7	105	10	8.6	0	24.2	35
30/04/2023 05:10	6.2	109	11	9.5	0	24.1	35
30/04/2023 05:20	6.1	105	11	8.9	0	24	34
30/04/2023 05:30	5.4	107	10	7.9	0	23.7	37
30/04/2023 05:40	6.2	107	10	9.1	0	23.5	37
30/04/2023 05:50	5.9	106	12	9.6	0	23.4	37
30/04/2023 06:00	5.9	105	12	9.4	0	23.3	36
30/04/2023 06:10	5.8	103	10	8.6	0	23.2	38
30/04/2023 06:20	6.2	104	12	9.2	0	23.1	37
30/04/2023 06:30	6.3	102	11	9.9	0	23.1	36
30/04/2023 06:40	6.1	102	10	9.3	0	23.1	36
30/04/2023 06:50	6.6	103	10	9.8	0	23.2	36
30/04/2023 07:00	6.9	107	11	9.6	0	23.2	36
30/04/2023 07:10	6.7	107	11	9.8	0	23.2	36
30/04/2023 07:20	6.7	108	11	10	0	23.4	36
30/04/2023 07:30	7.3	108	11	10.8	0	23.6	34
30/04/2023 07:40	6.9	105	12	10.9	0	23.9	34
30/04/2023 07:50	7.3	105	10	10.6	0	23.8	33
30/04/2023 08:00	7	107	11	10.9	0	23.9	34
30/04/2023 08:10	7.1	106	10	10.3	0	24.1	34
30/04/2023 08:20	6.9	108	11	10.9	0	24.3	32





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/04/2023 08:30	7	109	11	10.8	0	24.7	32
30/04/2023 08:40	7.2	107	12	10.9	0	24.9	31
30/04/2023 08:50	7.1	103	11	11.3	0	25.1	30
30/04/2023 09:00	7.3	107	9	10.4	0	24.9	29
30/04/2023 09:10	7.3	105	11	11.2	0	25.2	30
30/04/2023 09:20	6.8	106	11	10	0	25.6	29
30/04/2023 09:30	7.3	100	11	11.2	0	26	29
30/04/2023 09:40	7.1	100	11	10.8	0	26.1	28
30/04/2023 09:50	7.3	101	11	11.3	0	26.1	27
30/04/2023 10:00	8.3	94	8	11.1	0	25.9	27
30/04/2023 10:10	7.2	99	9	10.3	0	25.9	28
30/04/2023 10:20	7.1	97	10	9.9	0	26.2	28
30/04/2023 10:30	7.3	97	10	10.2	0	26.4	28
30/04/2023 10:40	7.4	98	11	10.8	0	26.5	28
30/04/2023 10:50	8.1	91	8	10.9	0	26.5	29
30/04/2023 11:00	7.4	95	9	10.6	0	26.6	28
30/04/2023 11:10	6.7	97	10	9.6	0	26.8	28
30/04/2023 11:20	6.9	94	10	10.3	0	27	28
30/04/2023 11:30	7.4	93	9	10.1	0	27	29
30/04/2023 11:40	7.7	90	8	10	0	27.2	27
30/04/2023 11:50	7.1	93	7	9.4	0	27.3	28
30/04/2023 12:00	6.5	91	8	9	0	27.6	28
30/04/2023 12:10	6.5	84	11	8.6	0	27.5	28
30/04/2023 12:20	6.7	84	10	9.5	0	27.9	28
30/04/2023 12:30	6.4	85	11	10	0	28	28
30/04/2023 12:40	6.6	78	9	8.8	0	27.9	30
30/04/2023 12:50	7.5	72	6	9.1	0	27.3	31
30/04/2023 13:00	7.3	77	8	9.5	0	27.2	32
30/04/2023 13:10	6.9	77	8	9.1	0	27.4	32
30/04/2023 13:20	7.6	73	7	9.6	0	27.5	31
30/04/2023 13:30	7	74	8	10.2	0	27.6	32
30/04/2023 13:40	6.7	77	9	8.7	0	28	32
30/04/2023 13:50	7.2	73	7	8.8	0	27.3	34
30/04/2023 14:00	6.6	76	6	8.1	0	26.9	34
30/04/2023 14:10	7.1	79	6	9.6	0	27	35
30/04/2023 14:20	6.9	77	5	8.5	0	27.2	34
30/04/2023 14:30	6.2	77	7	7.9	0	27.4	34
30/04/2023 14:40	5.2	80	10	7.4	0	27.8	33
30/04/2023 14:50	4.9	78	9	7	0	28.6	32
30/04/2023 15:00	5.1	76	8	7.2	0	28.4	32
30/04/2023 15:10	5.3	74	10	7	0	28.2	32
30/04/2023 15:20	4.5	55	9	6.6	0	28	36
30/04/2023 15:30	4.2	62	12	5.7	0	28.2	35
30/04/2023 15:40	4.4	53	10	5.7	0	27.8	37
30/04/2023 15:50	4.4	55	9	5.9	0	27.4	38
30/04/2023 16:00	4	51	10	5.3	0	27.2	40
30/04/2023 16:10	4.2	53	6	5.3	0	27.1	40
30/04/2023 16:20	3.8	53	9	5.2	0	27	41



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/04/2023 16:30	3.4	56	8	4.4	0	26.8	42
30/04/2023 16:40	2.9	63	12	3.8	0	26.9	42
30/04/2023 16:50	2.7	71	10	3.5	0	27.2	39
30/04/2023 17:00	2.6	66	10	3.5	0	27.1	40
30/04/2023 17:10	3.2	59	8	4.1	0	26.8	42
30/04/2023 17:20	3.2	53	8	4.2	0	26.7	44
30/04/2023 17:30	3	56	9	3.9	0	26.6	44
30/04/2023 17:40	2.2	52	10	3.3	0	26.6	44
30/04/2023 17:50	2.2	51	11	3.3	0	26.5	45
30/04/2023 18:00	2.8	43	8	3.8	0	26.4	45
30/04/2023 18:10	2.6	47	9	3.9	0	26.4	47
30/04/2023 18:20	2.1	55	9	3.3	0	26.3	47
30/04/2023 18:30	1.9	51	14	3	0	26.2	48
30/04/2023 18:40	1.2	59	21	2.4	0	26.2	49
30/04/2023 18:50	0.9	54	19	1.7	0	26	51
30/04/2023 19:00	1.3	67	13	2	0	26.1	52
30/04/2023 19:10	1.2	67	14	1.9	0	26.2	51
30/04/2023 19:20	2.2	60	5	2.9	0	26.2	52
30/04/2023 19:30	1.9	58	6	2.4	0	26.1	54
30/04/2023 19:40	1.4	63	10	1.9	0	25.9	55
30/04/2023 19:50	0.7	92	17	1.1	0	25.9	55
30/04/2023 20:00	0.5	66	11	0.8	0	26	54
30/04/2023 20:10	0.4	29	12	0.6	0	26.2	53
30/04/2023 20:20	0.6	287	17	0.9	0	26.1	53
30/04/2023 20:30	1.2	275	5	1.8	0	26.1	52
30/04/2023 20:40	0.8	283	11	1.2	0	26.3	50
30/04/2023 20:50	0.5	264	13	0.8	0	26.3	50
30/04/2023 21:00	1.2	262	5	1.6	0	26.3	49
30/04/2023 21:10	0.9	265	7	1.2	0	26.2	49
30/04/2023 21:20	0.5	262	12	0.7	0	26.2	49
30/04/2023 21:30	1.4	253	8	2.2	0	26.4	48
30/04/2023 21:40	2.6	267	5	3.4	0	26.3	49
30/04/2023 21:50	2.5	277	5	3.3	0	26.1	54
30/04/2023 22:00	2	275	8	2.8	0	26.1	54
30/04/2023 22:10	2.4	276	7	3.4	0	26.2	55
30/04/2023 22:20	2.5	267	11	3.6	0	25.9	57
30/04/2023 22:30	3.5	265	5	4.4	0	25.9	59
30/04/2023 22:40	3.2	266	4	3.9	0	25.8	61
30/04/2023 22:50	3	272	6	4	0	25.8	60
30/04/2023 23:00	3.1	278	6	4.1	0	25.9	56
30/04/2023 23:10	2.3	274	5	3	0	25.8	55
30/04/2023 23:20	2	272	4	2.6	0	25.8	52
30/04/2023 23:30	2.1	273	4	2.6	0	25.8	51
30/04/2023 23:40	2.5	272	5	3.2	0	25.7	53
30/04/2023 23:50	2.7	274	4	3.3	0	25.7	55
05/01/2023 00:00	2.7	275	3	3.2	0	25.7	57
01/05/2023 00:20	2.756917	269.1014	3.930275	3.47	0	25.68203	58.29929
01/05/2023 00:30	2.7	273	4	3.2	0.00	25.7	58



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/05/2023 00:40	2.7	273	3	3.1	0.00	25.6	58
01/05/2023 00:50	2.5	274	2	2.8	0.00	25.6	58
01/05/2023 01:00	1.9	284	6	2.2	0.00	25.6	58
01/05/2023 01:10	1.6	295	9	2.0	0.00	25.6	59
01/05/2023 01:20	1.3	301	9	1.9	0.00	25.6	60
01/05/2023 01:30	1.3	304	10	1.7	0.00	25.6	60
01/05/2023 01:40	1.2	296	7	1.5	0.00	25.6	61
01/05/2023 01:50	1.4	272	4	1.7	0.00	25.6	61
01/05/2023 02:00	1.1	289	9	1.5	0.00	25.7	61
01/05/2023 02:10	0.9	257	9	1.2	0.00	25.5	62
01/05/2023 02:20	0.8	231	30	1.2	0.00	25.5	62
01/05/2023 02:30	0.4	258	43	0.7	0.00	25.5	62
01/05/2023 02:40	0.3	282	37	0.6	0.00	25.3	63
01/05/2023 02:50	0.2	317	50	0.9	0.00	25.4	63
01/05/2023 03:00	1.1	71	9	1.4	0.00	25.0	63
01/05/2023 03:10	0.9	74	13	1.2	0.00	24.7	64
01/05/2023 03:20	0.9	73	8	1.2	0.00	24.7	64
01/05/2023 03:30	1.0	76	9	1.3	0.00	24.8	65
01/05/2023 03:40	0.9	66	7	1.2	0.00	24.7	67
01/05/2023 03:50	1.2	81	9	1.5	0.00	24.7	70
01/05/2023 04:00	1.7	95	6	2.1	0.00	24.8	72
01/05/2023 04:10	1.6	85	7	1.9	0.00	24.6	73
01/05/2023 04:20	1.1	80	11	1.6	0.00	24.3	74
01/05/2023 04:30	0.8	87	27	1.6	0.00	24.0	73
01/05/2023 04:40	1.4	95	23	2.1	0.00	24.1	71
01/05/2023 04:50	1.9	93	17	3.4	0.00	24.2	69
01/05/2023 05:00	2.8	102	10	3.9	0.00	25.0	49
01/05/2023 05:10	2.7	97	8	3.9	0.00	25.9	41
01/05/2023 05:20	1.8	127	14	2.9	0.00	25.8	50
01/05/2023 05:30	1.7	138	18	2.7	0.00	25.4	60
01/05/2023 05:40	1.9	137	13	3.1	0.00	25.1	61
01/05/2023 05:50	1.9	138	17	3.0	0.00	25.1	59
01/05/2023 06:00	2.0	124	14	3.5	0.00	25.2	52
01/05/2023 06:10	3.3	105	12	4.9	0.00	25.6	39
01/05/2023 06:20	3.2	102	11	4.9	0.00	25.7	37
01/05/2023 06:30	3.5	106	11	5.3	0.00	25.6	38
01/05/2023 06:40	3.1	108	11	4.6	0.00	25.5	38
01/05/2023 06:50	2.7	105	12	4.2	0.00	25.3	38
01/05/2023 07:00	2.7	104	11	4.5	0.00	25.4	40
01/05/2023 07:10	2.9	106	10	4.7	0.00	25.5	39
01/05/2023 07:20	3.1	104	11	4.8	0.00	25.5	39
01/05/2023 07:30	3.0	108	10	4.7	0.00	25.6	38
01/05/2023 07:40	2.8	107	12	4.7	0.00	25.6	38
01/05/2023 07:50	2.7	105	12	4.2	0.00	25.6	38
01/05/2023 08:00	2.9	105	9	4.8	0.00	25.7	37
01/05/2023 08:10	2.7	108	13	4.4	0.00	25.8	34
01/05/2023 08:20	2.3	108	12	4.0	0.00	25.8	35
01/05/2023 08:30	2.8	110	14	4.7	0.00	25.9	33



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/05/2023 08:40	3.0	106	11	5.5	0.00	26.1	33
01/05/2023 08:50	3.4	106	11	4.7	0.00	26.2	33
01/05/2023 09:00	3.0	105	12	4.5	0.00	26.3	33
01/05/2023 09:10	2.7	106	11	4.4	0.00	26.5	32
01/05/2023 09:20	2.8	111	10	4.2	0.00	26.4	32
01/05/2023 09:30	2.5	110	11	4.4	0.00	26.6	31
01/05/2023 09:40	2.9	105	12	4.4	0.00	26.9	30
01/05/2023 09:50	2.9	111	16	4.4	0.00	27.7	28
01/05/2023 10:00	3.6	114	10	5.1	0.00	27.7	29
01/05/2023 10:10	2.8	122	16	4.1	0.00	27.9	28
01/05/2023 10:20	3.2	111	15	4.8	0.00	27.9	29
01/05/2023 10:30	2.9	123	16	4.4	0.00	27.6	30
01/05/2023 10:40	3.3	109	12	4.9	0.00	27.7	29
01/05/2023 10:50	3.2	106	13	5.1	0.00	28.2	28
01/05/2023 11:00	3.3	107	18	5.3	0.00	28.9	27
01/05/2023 11:10	3.9	100	15	6.0	0.00	28.9	23
01/05/2023 11:20	3.7	90	14	4.9	0.00	28.4	26
01/05/2023 11:30	2.9	91	18	4.3	0.00	28.1	27
01/05/2023 11:40	2.9	86	11	4.5	0.00	28.0	28
01/05/2023 11:50	2.9	92	10	4.6	0.00	27.9	29
01/05/2023 12:00	3.0	94	13	4.5	0.00	28.1	28
01/05/2023 12:10	3.2	92	13	4.9	0.00	28.6	26
01/05/2023 12:20	3.8	76	11	5.3	0.00	28.6	25
01/05/2023 12:30	4.0	74	9	5.0	0.00	28.5	23
01/05/2023 12:40	3.3	81	10	4.7	0.00	28.7	24
01/05/2023 12:50	3.6	77	7	4.7	0.00	28.9	24
01/05/2023 13:00	4.1	86	10	5.5	0.00	29.3	24
01/05/2023 13:10	3.7	80	13	5.2	0.00	29.6	25
01/05/2023 13:20	3.4	90	11	4.9	0.00	29.6	25
01/05/2023 13:30	2.9	98	14	4.6	0.00	29.9	24
01/05/2023 13:40	2.8	84	24	5.6	0.00	30.8	24
01/05/2023 13:50	2.8	88	28	4.8	0.00	30.9	24
01/05/2023 14:00	2.8	72	17	4.5	0.00	30.2	23
01/05/2023 14:10	3.1	72	11	5.1	0.00	30.2	24
01/05/2023 14:20	3.3	68	15	4.7	0.00	29.8	27
01/05/2023 14:30	3.5	48	11	4.5	0.00	29.5	28
01/05/2023 14:40	3.4	49	16	4.7	0.00	29.5	28
01/05/2023 14:50	2.4	54	12	3.6	0.00	29.6	26
01/05/2023 15:00	1.9	59	17	3.1	0.00	30.2	24
01/05/2023 15:10	2.0	71	13	3.5	0.00	30.5	24
01/05/2023 15:20	2.3	60	18	3.3	0.00	30.8	24
01/05/2023 15:30	2.3	42	13	3.3	0.00	30.6	23
01/05/2023 15:40	1.4	51	20	2.5	0.00	31.0	22
01/05/2023 15:50	1.8	96	24	3.1	0.00	31.1	21
01/05/2023 16:00	1.5	38	20	2.6	0.00	31.2	22
01/05/2023 16:10	1.7	18	17	2.4	0.00	30.8	22
01/05/2023 16:20	1.0	208	22	1.5	0.00	30.7	22
01/05/2023 16:30	1.7	192	17	3.1	0.00	30.2	25



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/05/2023 16:40	1.7	324	79	3.2	0.00	29.7	30
01/05/2023 16:50	2.4	288	11	3.5	0.00	28.7	36
01/05/2023 17:00	1.9	287	9	2.5	0.00	28.5	35
01/05/2023 17:10	1.6	296	10	2.1	0.00	28.6	32
01/05/2023 17:20	1.6	296	11	2.2	0.00	28.6	30
01/05/2023 17:30	2.1	285	8	2.9	0.00	28.4	30
01/05/2023 17:40	2.6	283	7	3.5	0.00	28.2	31
01/05/2023 17:50	2.9	284	5	3.5	0.00	27.8	37
01/05/2023 18:00	3.1	290	7	3.8	0.00	27.6	43
01/05/2023 18:10	2.9	290	8	3.8	0.00	27.4	43
01/05/2023 18:20	2.6	284	8	3.4	0.00	27.3	47
01/05/2023 18:30	3.4	272	8	4.6	0.00	27.0	50
01/05/2023 18:40	3.9	269	6	5.6	0.00	26.9	48
01/05/2023 18:50	4.1	271	6	5.6	0.00	26.9	50
01/05/2023 19:00	3.7	271	5	4.8	0.00	26.8	51
01/05/2023 19:10	3.3	271	5	4.4	0.00	26.7	52
01/05/2023 19:20	3.2	273	5	4.0	0.00	26.7	49
01/05/2023 19:30	2.8	265	5	3.5	0.00	26.8	49
01/05/2023 19:40	2.7	268	4	3.4	0.00	26.6	49
01/05/2023 19:50	2.6	273	5	3.6	0.00	26.7	50
01/05/2023 20:00	3.6	272	5	4.6	0.00	26.6	50
01/05/2023 20:10	3.5	272	6	4.5	0.00	26.6	52
01/05/2023 20:20	3.4	268	5	3.9	0.00	26.6	50
01/05/2023 20:30	3.5	266	5	4.7	0.00	26.5	53
01/05/2023 20:40	2.9	270	4	3.7	0.00	26.4	56
01/05/2023 20:50	2.7	267	6	3.8	0.00	26.2	58
01/05/2023 21:00	3.3	265	4	4.2	0.00	26.1	61
01/05/2023 21:10	3.2	268	4	3.9	0.00	26.0	63
01/05/2023 21:20	2.8	271	4	3.4	0.00	25.9	64
01/05/2023 21:30	2.5	276	5	2.9	0.00	25.8	64
01/05/2023 21:40	2.4	272	3	2.8	0.00	25.7	65
01/05/2023 21:50	2.2	274	3	2.6	0.00	25.5	66
01/05/2023 22:00	2.1	273	3	2.5	0.00	25.6	64
01/05/2023 22:10	1.4	273	4	1.8	0.00	25.5	65
01/05/2023 22:20	1.2	273	7	1.6	0.00	25.5	66
01/05/2023 22:30	0.9	284	10	1.3	0.00	25.4	67
01/05/2023 22:40	1.2	307	9	1.8	0.00	25.5	67
01/05/2023 22:50	2.0	285	5	2.6	0.00	25.8	65
01/05/2023 23:00	1.7	288	9	2.4	0.00	25.8	67
01/05/2023 23:10	1.5	283	6	2.1	0.00	25.7	69
01/05/2023 23:20	1.4	306	8	2.2	0.00	25.6	69
01/05/2023 23:30	0.9	333	11	1.5	0.00	25.6	67
01/05/2023 23:40	1.1	354	11	1.6	0.00	25.6	64
01/05/2023 23:50	1.6	358	8	2.2	0.00	25.5	64
02/05/2023 00:00	1.5	344	8	2.2	0.00	25.5	64
02/05/2023 00:10	1.2	332	6	1.6	0.00	25.7	63
02/05/2023 00:20	0.6	330	30	0.9	0.00	25.7	63
02/05/2023 00:30	0.2	110	44	0.4	0.00	25.3	64



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/05/2023 00:40	0.4	178	21	0.8	0.00	25.1	66
02/05/2023 00:50	0.4	157	31	0.7	0.00	24.9	67
02/05/2023 01:00	0.6	38	12	0.8	0.00	24.8	66
02/05/2023 01:10	0.7	180	10	0.9	0.00	25.0	65
02/05/2023 01:20	0.8	4	4	0.9	0.00	25.2	64
02/05/2023 01:30	0.6	316	18	1.1	0.00	25.2	64
02/05/2023 01:40	1.1	323	9	1.6	0.00	25.1	65
02/05/2023 01:50	1.2	350	8	1.7	0.00	25.2	68
02/05/2023 02:00	0.2	265	40	0.6	0.00	24.8	70
02/05/2023 02:10	0.3	154	48	0.5	0.00	24.2	70
02/05/2023 02:20	0.4	112	15	0.8	0.00	23.8	70
02/05/2023 02:30	0.8	79	9	1.0	0.00	24.0	70
02/05/2023 02:40	1.1	65	7	1.4	0.00	23.9	70
02/05/2023 02:50	0.8	46	6	1.1	0.00	23.8	71
02/05/2023 03:00	0.6	46	7	0.8	0.00	24.3	72
02/05/2023 03:10	0.2	195	36	0.4	0.00	23.9	72
02/05/2023 03:20	0.3	158	30	0.4	0.00	23.1	72
02/05/2023 03:30	0.7	47	5	0.9	0.00	23.5	73
02/05/2023 03:40	0.7	55	7	0.9	0.00	23.7	73
02/05/2023 03:50	0.6	73	3	0.7	0.00	23.8	73
02/05/2023 04:00	0.5	75	15	0.7	0.00	23.7	73
02/05/2023 04:10	0.4	212	20	0.7	0.00	23.1	73
02/05/2023 04:20	0.6	233	13	0.8	0.00	23.4	73
02/05/2023 04:30	0.3	140	38	0.6	0.00	23.8	73
02/05/2023 04:40	0.6	67	12	0.8	0.00	23.8	72
02/05/2023 04:50	0.5	48	8	0.7	0.00	23.7	72
02/05/2023 05:00	0.6	38	4	0.8	0.00	23.5	72
02/05/2023 05:10	0.7	39	7	0.8	0.00	24.0	72
02/05/2023 05:20	1.0	66	9	1.2	0.00	23.9	72
02/05/2023 05:30	1.2	57	6	1.5	0.00	24.1	74
02/05/2023 05:40	1.1	64	9	1.4	0.00	24.0	75
02/05/2023 05:50	1.1	55	14	1.6	0.00	23.9	74
02/05/2023 06:00	1.0	56	17	1.6	0.00	23.8	73
02/05/2023 06:10	1.0	50	11	1.3	0.00	23.9	72
02/05/2023 06:20	1.1	74	15	1.5	0.00	23.8	71
02/05/2023 06:30	1.2	91	12	1.7	0.00	23.7	72
02/05/2023 06:40	1.2	88	16	1.7	0.00	23.7	73
02/05/2023 06:50	1.2	101	19	1.7	0.00	23.7	73
02/05/2023 07:00	0.8	119	17	1.3	0.00	24.0	72
02/05/2023 07:10	0.8	101	45	1.3	0.00	24.1	71
02/05/2023 07:20	1.0	140	18	1.9	0.00	24.0	69
02/05/2023 07:30	1.2	130	20	2.0	0.00	24.1	67
02/05/2023 07:40	1.1	120	38	1.9	0.00	24.5	61
02/05/2023 07:50	1.9	107	16	2.6	0.00	25.1	56
02/05/2023 08:00	1.9	115	17	3.1	0.00	25.4	54
02/05/2023 08:10	1.6	134	21	2.7	0.00	25.5	51
02/05/2023 08:20	1.9	129	23	3.4	0.00	25.7	47
02/05/2023 08:30	1.6	113	23	2.7	0.00	26.0	46



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/05/2023 08:40	2.4	110	16	4.4	0.00	26.5	43
02/05/2023 08:50	2.7	107	14	4.3	0.00	26.5	43
02/05/2023 09:00	2.5	111	16	4.6	0.00	26.8	42
02/05/2023 09:10	2.7	108	14	4.5	0.00	26.9	43
02/05/2023 09:20	3.1	105	11	4.9	0.00	26.8	45
02/05/2023 09:30	3.4	106	10	5.1	0.00	26.8	45
02/05/2023 09:40	3.5	107	10	5.1	0.00	27.0	45
02/05/2023 09:50	3.8	96	10	5.7	0.00	27.3	41
02/05/2023 10:00	4.1	99	11	5.9	0.00	27.7	38
02/05/2023 10:10	3.8	104	11	5.9	0.00	27.8	40
02/05/2023 10:20	3.0	100	11	4.6	0.00	27.7	45
02/05/2023 10:30	3.3	88	10	4.9	0.00	28.0	43
02/05/2023 10:40	3.9	92	9	6.0	0.00	28.3	41
02/05/2023 10:50	3.9	88	7	5.3	0.00	28.2	42
02/05/2023 11:00	4.0	88	11	6.2	0.00	28.9	40
02/05/2023 11:10	4.7	95	10	6.5	0.00	29.2	41
02/05/2023 11:20	5.2	93	8	6.9	0.00	29.0	42
02/05/2023 11:30	4.6	89	11	6.5	0.00	29.2	42
02/05/2023 11:40	5.1	96	12	7.3	0.00	29.4	41
02/05/2023 11:50	4.6	92	12	6.6	0.00	29.7	39
02/05/2023 12:00	5.6	90	11	7.9	0.00	30.3	36
02/05/2023 12:10	5.5	85	10	7.8	0.00	30.4	35
02/05/2023 12:20	6.0	90	8	8.3	0.00	30.5	35
02/05/2023 12:30	5.3	91	12	7.7	0.00	30.8	35
02/05/2023 12:40	5.4	95	11	7.9	0.00	30.4	37
02/05/2023 12:50	5.1	90	12	7.4	0.00	30.7	37
02/05/2023 13:00	5.7	83	8	8.3	0.00	30.6	36
02/05/2023 13:10	5.9	73	7	8.2	0.00	30.3	36
02/05/2023 13:20	6.4	73	7	8.3	0.00	30.3	34
02/05/2023 13:30	6.6	75	7	8.3	0.00	30.3	33
02/05/2023 13:40	6.3	82	8	8.4	0.00	30.6	31
02/05/2023 13:50	6.4	81	9	9.1	0.00	30.9	30
02/05/2023 14:00	6.3	82	8	8.1	0.00	30.9	30
02/05/2023 14:10	5.9	84	8	8.2	0.00	31.3	30
02/05/2023 14:20	5.9	84	9	7.9	0.00	31.0	30
02/05/2023 14:30	5.7	83	10	7.6	0.00	31.0	30
02/05/2023 14:40	4.8	81	11	6.9	0.00	31.4	31
02/05/2023 14:50	5.8	64	11	7.4	0.00	31.2	31
02/05/2023 15:00	5.7	60	11	7.4	0.00	30.9	33
02/05/2023 15:10	6.2	53	7	7.9	0.00	30.6	34
02/05/2023 15:20	5.8	54	9	8.3	0.00	30.8	32
02/05/2023 15:30	6.4	57	8	8.2	0.00	30.7	31
02/05/2023 15:40	6.5	54	7	8.6	0.00	30.7	32
02/05/2023 15:50	6.0	54	7	8.1	0.00	30.6	34
02/05/2023 16:00	6.4	54	8	8.2	0.00	30.3	36
02/05/2023 16:10	6.6	57	7	9.1	0.00	30.2	36
02/05/2023 16:20	6.5	55	7	8.6	0.00	30.0	36
02/05/2023 16:30	6.0	54	6	7.9	0.00	29.8	37



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/05/2023 16:40	5.7	54	6	7.4	0.00	29.8	38
02/05/2023 16:50	5.3	56	8	6.9	0.00	29.7	39
02/05/2023 17:00	5.1	56	7	6.8	0.00	29.6	40
02/05/2023 17:10	5.1	59	8	6.6	0.00	29.6	39
02/05/2023 17:20	4.7	61	8	6.5	0.00	29.3	41
02/05/2023 17:30	4.5	62	7	6.3	0.00	28.9	44
02/05/2023 17:40	4.2	60	6	5.7	0.00	28.4	46
02/05/2023 17:50	3.9	61	7	5.2	0.00	28.1	48
02/05/2023 18:00	3.6	61	6	4.8	0.00	28.0	49
02/05/2023 18:10	3.3	60	7	4.7	0.00	27.9	49
02/05/2023 18:20	3.1	60	6	4.1	0.00	27.7	51
02/05/2023 18:30	3.2	61	7	4.2	0.00	27.4	54
02/05/2023 18:40	2.9	55	6	3.9	0.00	27.2	56
02/05/2023 18:50	2.3	59	7	3.3	0.00	27.1	55
02/05/2023 19:00	2.4	63	7	3.0	0.00	26.9	57
02/05/2023 19:10	1.8	61	8	2.9	0.00	26.6	60
02/05/2023 19:20	1.6	62	8	2.3	0.00	26.3	62
02/05/2023 19:30	1.9	62	8	2.6	0.00	26.1	63
02/05/2023 19:40	2.2	57	4	2.7	0.00	25.9	64
02/05/2023 19:50	2.1	60	6	2.6	0.00	25.8	64
02/05/2023 20:00	1.5	69	7	2.1	0.00	25.6	64
02/05/2023 20:10	1.0	72	10	1.6	0.00	25.4	65
02/05/2023 20:20	1.4	60	8	2.0	0.00	25.3	67
02/05/2023 20:30	2.6	54	3	3.0	0.00	25.4	65
02/05/2023 20:40	2.6	58	4	3.1	0.00	25.4	65
02/05/2023 20:50	2.2	56	4	2.8	0.00	25.3	66
02/05/2023 21:00	1.6	67	8	2.2	0.00	25.3	66
02/05/2023 21:10	1.2	71	7	1.5	0.00	25.1	68
02/05/2023 21:20	0.8	87	8	1.1	0.00	24.9	70
02/05/2023 21:30	0.5	102	11	0.8	0.00	24.8	71
02/05/2023 21:40	0.3	112	17	0.5	0.00	24.8	71
02/05/2023 21:50	0.4	110	14	0.6	0.00	24.8	72
02/05/2023 22:00	0.7	57	8	0.9	0.00	24.7	72
02/05/2023 22:10	0.9	71	5	1.0	0.00	24.6	72
02/05/2023 22:20	0.8	85	5	0.9	0.00	24.4	72
02/05/2023 22:30	0.8	62	8	1.1	0.00	24.4	72
02/05/2023 22:40	0.9	66	7	1.3	0.00	24.3	72
02/05/2023 22:50	0.8	65	6	0.9	0.00	24.2	72
02/05/2023 23:00	0.9	69	5	1.1	0.00	24.3	72
02/05/2023 23:10	0.9	70	11	1.3	0.00	24.4	72
02/05/2023 23:20	1.1	96	14	1.8	0.00	24.2	73
02/05/2023 23:30	1.2	112	14	2.4	0.00	24.4	74
02/05/2023 23:40	1.6	117	12	2.4	0.00	24.6	74
02/05/2023 23:50	1.0	126	20	1.7	0.00	24.6	73
03/05/2023 00:00	0.6	68	25	1.0	0.00	24.2	74
03/05/2023 00:10	0.9	91	11	1.2	0.00	23.7	74
03/05/2023 00:20	1.3	85	7	1.6	0.00	23.6	74
03/05/2023 00:30	1.4	105	8	1.9	0.00	23.5	74





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/05/2023 00:40	1.1	121	12	1.7	0.00	23.7	74
03/05/2023 00:50	1.2	103	12	1.8	0.00	24.0	73
03/05/2023 01:00	1.1	108	10	1.6	0.00	23.8	73
03/05/2023 01:10	1.1	116	14	1.6	0.00	23.8	72
03/05/2023 01:20	1.4	108	13	2.0	0.00	24.0	71
03/05/2023 01:30	1.8	104	12	3.0	0.00	24.0	69
03/05/2023 01:40	1.6	113	15	2.7	0.00	24.1	67
03/05/2023 01:50	0.8	122	52	1.6	0.00	24.1	66
03/05/2023 02:00	2.0	157	20	3.4	0.00	23.9	61
03/05/2023 02:10	1.7	148	14	2.9	0.00	24.1	55
03/05/2023 02:20	1.5	149	22	2.6	0.00	23.9	54
03/05/2023 02:30	1.8	170	14	2.7	0.00	24.2	52
03/05/2023 02:40	1.3	179	13	2.2	0.00	24.4	51
03/05/2023 02:50	0.4	188	34	0.8	0.00	24.2	52
03/05/2023 03:00	1.0	40	25	1.5	0.00	23.8	53
03/05/2023 03:10	1.3	55	6	1.7	0.00	23.2	56
03/05/2023 03:20	1.7	64	5	2.0	0.00	22.8	57
03/05/2023 03:30	1.8	67	6	2.3	0.00	22.8	56
03/05/2023 03:40	1.6	73	7	2.1	0.00	22.6	58
03/05/2023 03:50	1.3	80	7	1.8	0.00	22.3	59
03/05/2023 04:00	1.4	85	6	1.8	0.00	22.1	61
03/05/2023 04:10	1.4	86	6	1.7	0.00	22.0	62
03/05/2023 04:20	1.5	87	9	1.9	0.00	22.0	64
03/05/2023 04:30	1.5	81	7	1.9	0.00	22.3	64
03/05/2023 04:40	1.7	73	7	2.2	0.00	22.6	63
03/05/2023 04:50	1.6	82	8	2.0	0.00	22.6	64
03/05/2023 05:00	2.0	98	10	2.8	0.00	22.5	64
03/05/2023 05:10	2.3	111	9	3.1	0.00	22.5	62
03/05/2023 05:20	2.0	117	11	3.0	0.00	23.1	57
03/05/2023 05:30	1.9	117	12	2.8	0.00	23.5	54
03/05/2023 05:40	1.9	120	14	3.0	0.00	23.5	55
03/05/2023 05:50	1.7	119	16	2.9	0.00	23.4	54
03/05/2023 06:00	1.9	117	14	2.9	0.00	23.5	54
03/05/2023 06:10	1.9	114	14	3.2	0.00	23.4	55
03/05/2023 06:20	2.2	116	13	3.7	0.00	23.4	56
03/05/2023 06:30	1.6	115	21	2.8	0.00	23.5	53
03/05/2023 06:40	1.3	112	29	2.4	0.00	23.4	54
03/05/2023 06:50	1.8	114	17	3.1	0.00	23.6	52
03/05/2023 07:00	2.5	111	11	4.1	0.00	24.1	50
03/05/2023 07:10	2.9	107	12	4.9	0.00	24.5	48
03/05/2023 07:20	2.6	109	11	4.1	0.00	24.9	48
03/05/2023 07:30	2.7	105	12	4.3	0.00	25.2	47
03/05/2023 07:40	2.6	98	11	3.9	0.00	25.5	45
03/05/2023 07:50	2.8	97	14	4.6	0.00	25.8	44
03/05/2023 08:00	3.0	97	11	4.8	0.00	26.1	44
03/05/2023 08:10	3.4	100	12	5.0	0.00	26.4	43
03/05/2023 08:20	4.1	98	11	6.1	0.00	26.5	42
03/05/2023 08:30	4.5	97	9	6.5	0.00	26.9	42



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/05/2023 08:40	5.1	95	9	7.4	0.00	27.0	41
03/05/2023 08:50	5.2	94	9	7.3	0.00	27.2	41
03/05/2023 09:00	5.3	94	10	7.6	0.00	27.4	40
03/05/2023 09:10	6.5	91	8	8.8	0.00	27.2	39
03/05/2023 09:20	5.6	92	8	7.9	0.00	27.2	41
03/05/2023 09:30	5.6	96	10	7.8	0.00	27.2	43
03/05/2023 09:40	5.6	94	11	7.6	0.00	27.3	44
03/05/2023 09:50	5.1	92	9	7.4	0.00	27.9	45
03/05/2023 10:00	6.1	93	9	8.1	0.00	27.9	44
03/05/2023 10:10	5.4	87	9	8.2	0.00	28.3	44
03/05/2023 10:20	5.4	91	8	7.9	0.00	28.5	43
03/05/2023 10:30	5.9	97	9	7.9	0.00	28.2	44
03/05/2023 10:40	5.5	96	11	8.2	0.00	28.5	45
03/05/2023 10:50	5.7	86	9	8.4	0.00	29.0	43
03/05/2023 11:00	5.0	97	13	7.5	0.00	29.2	43
03/05/2023 11:10	5.6	91	11	7.8	0.00	29.4	43
03/05/2023 11:20	5.5	90	10	8.3	0.00	29.7	42
03/05/2023 11:30	6.4	96	10	8.6	0.00	29.2	43
03/05/2023 11:40	5.9	90	11	7.8	0.00	29.5	44
03/05/2023 11:50	6.2	84	11	8.5	0.00	29.6	44
03/05/2023 12:00	6.6	87	8	9.2	0.00	29.4	44
03/05/2023 12:10	6.9	89	8	10.2	0.00	29.5	44
03/05/2023 12:20	6.2	86	10	8.0	0.00	29.7	44
03/05/2023 12:30	6.1	78	9	8.4	0.00	29.9	43
03/05/2023 12:40	7.6	71	7	9.5	0.00	29.4	42
03/05/2023 12:50	7.3	73	7	9.7	0.00	29.4	43
03/05/2023 13:00	7.2	72	7	9.4	0.00	29.3	44
03/05/2023 13:10	7.2	79	8	9.2	0.00	29.4	44
03/05/2023 13:20	7.0	85	8	9.3	0.00	29.6	44
03/05/2023 13:30	6.9	86	7	9.5	0.00	29.8	44
03/05/2023 13:40	6.6	84	8	8.7	0.00	29.7	45
03/05/2023 13:50	6.5	86	7	8.6	0.00	29.5	46
03/05/2023 14:00	6.5	85	8	9.1	0.00	29.5	47
03/05/2023 14:10	6.1	88	8	8.4	0.00	29.7	49
03/05/2023 14:20	5.8	84	9	7.8	0.00	30.1	48
03/05/2023 14:30	5.3	81	10	7.8	0.00	30.0	49
03/05/2023 14:40	5.0	70	11	7.0	0.00	30.3	48
03/05/2023 14:50	5.3	64	10	7.6	0.00	30.2	48
03/05/2023 15:00	5.8	54	8	7.8	0.00	29.8	48
03/05/2023 15:10	5.5	59	9	7.6	0.00	29.9	48
03/05/2023 15:20	6.2	65	9	8.1	0.00	29.8	47
03/05/2023 15:30	5.7	67	11	7.4	0.00	29.9	46
03/05/2023 15:40	5.9	65	8	7.9	0.00	30.0	45
03/05/2023 15:50	6.0	56	9	7.7	0.00	30.0	45
03/05/2023 16:00	6.0	55	8	7.7	0.00	29.9	44
03/05/2023 16:10	6.2	58	8	8.1	0.00	29.7	45
03/05/2023 16:20	6.2	57	7	7.9	0.00	29.7	44
03/05/2023 16:30	5.8	59	7	7.6	0.00	29.8	44



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/05/2023 16:40	5.6	58	8	7.6	0.00	30.0	42
03/05/2023 16:50	5.6	58	6	7.4	0.00	30.0	41
03/05/2023 17:00	4.8	61	7	6.5	0.00	30.3	40
03/05/2023 17:10	4.1	60	6	5.4	0.00	30.1	44
03/05/2023 17:20	3.7	58	6	4.9	0.00	30.0	45
03/05/2023 17:30	3.5	59	6	4.7	0.00	29.5	47
03/05/2023 17:40	3.0	57	5	4.2	0.00	28.8	49
03/05/2023 17:50	2.8	52	5	3.6	0.00	28.4	50
03/05/2023 18:00	2.2	50	7	3.2	0.00	28.0	52
03/05/2023 18:10	2.3	58	10	3.5	0.00	28.1	49
03/05/2023 18:20	2.1	55	9	3.1	0.00	28.0	49
03/05/2023 18:30	1.9	49	9	2.8	0.00	27.9	49
03/05/2023 18:40	2.1	55	11	3.2	0.00	28.1	48
03/05/2023 18:50	1.7	62	10	2.5	0.00	27.7	51
03/05/2023 19:00	1.4	67	10	2.0	0.00	27.4	52
03/05/2023 19:10	1.2	57	9	1.7	0.00	27.1	52
03/05/2023 19:20	1.2	51	10	1.8	0.00	27.1	52
03/05/2023 19:30	0.9	67	13	1.6	0.00	27.1	51
03/05/2023 19:40	0.8	75	16	1.4	0.00	27.0	51
03/05/2023 19:50	0.9	75	9	1.1	0.00	26.9	52
03/05/2023 20:00	1.3	72	6	1.7	0.00	26.9	53
03/05/2023 20:10	1.0	55	8	1.5	0.00	26.6	53
03/05/2023 20:20	0.9	60	12	1.4	0.00	26.3	54
03/05/2023 20:30	0.9	70	14	1.5	0.00	26.3	55
03/05/2023 20:40	0.7	90	10	1.2	0.00	26.3	58
03/05/2023 20:50	0.7	71	16	1.1	0.00	26.4	59
03/05/2023 21:00	0.7	76	9	1.0	0.00	26.2	59
03/05/2023 21:10	1.0	104	10	1.5	0.00	26.0	61
03/05/2023 21:20	1.0	86	11	1.5	0.00	26.0	63
03/05/2023 21:30	1.0	71	9	1.3	0.00	25.7	65
03/05/2023 21:40	0.8	104	10	1.1	0.00	25.5	67
03/05/2023 21:50	1.0	110	10	1.5	0.00	25.6	69
03/05/2023 22:00	1.0	94	8	1.3	0.00	25.8	71
03/05/2023 22:10	0.7	76	5	0.9	0.00	25.3	71
03/05/2023 22:20	0.8	80	4	1.0	0.00	25.1	72
03/05/2023 22:30	0.8	88	4	0.9	0.00	24.9	73
03/05/2023 22:40	0.8	92	6	1.1	0.00	24.8	73
03/05/2023 22:50	0.6	66	9	0.8	0.00	25.1	74
03/05/2023 23:00	0.7	50	5	1.0	0.00	25.3	74
03/05/2023 23:10	1.1	49	4	1.5	0.00	25.2	73
03/05/2023 23:20	1.4	54	5	1.7	0.00	25.0	71
03/05/2023 23:30	1.4	67	6	1.8	0.00	24.7	68
03/05/2023 23:40	1.8	72	6	2.2	0.00	24.6	65
03/05/2023 23:50	1.4	71	11	2.0	0.00	24.3	63
04/05/2023 00:00	1.7	52	8	2.4	0.00	24.3	61
04/05/2023 00:10	1.7	49	7	2.2	0.00	24.5	61
04/05/2023 00:20	1.3	50	9	1.7	0.00	24.7	59
04/05/2023 00:30	1.1	49	8	1.5	0.00	24.4	58



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/05/2023 00:40	0.9	45	10	1.2	0.00	24.4	58
04/05/2023 00:50	1.1	55	13	1.5	0.00	24.3	60
04/05/2023 01:00	1.2	43	12	1.9	0.00	24.2	62
04/05/2023 01:10	1.2	42	13	1.7	0.00	24.1	63
04/05/2023 01:20	1.2	58	11	1.7	0.00	24.1	64
04/05/2023 01:30	0.9	53	12	1.4	0.00	24.0	65
04/05/2023 01:40	0.5	191	33	1.0	0.00	23.7	66
04/05/2023 01:50	0.5	275	41	1.0	0.00	23.7	66
04/05/2023 02:00	1.1	268	15	1.6	0.00	23.9	69
04/05/2023 02:10	1.1	251	21	1.7	0.00	23.8	71
04/05/2023 02:20	0.7	239	55	1.2	0.00	23.4	72
04/05/2023 02:30	1.3	160	30	2.5	0.00	23.2	71
04/05/2023 02:40	2.2	182	13	3.4	0.00	24.0	64
04/05/2023 02:50	2.4	183	14	3.7	0.00	24.9	57
04/05/2023 03:00	2.1	188	12	3.1	0.00	24.9	55
04/05/2023 03:10	1.5	183	17	2.6	0.00	24.7	55
04/05/2023 03:20	1.9	186	11	2.8	0.00	24.3	56
04/05/2023 03:30	2.1	186	9	2.7	0.00	24.4	55
04/05/2023 03:40	1.8	188	10	2.5	0.00	24.4	54
04/05/2023 03:50	1.1	172	39	1.8	0.00	24.4	54
04/05/2023 04:00	0.6	255	31	1.2	0.00	24.2	54
04/05/2023 04:10	0.5	158	67	0.9	0.00	24.3	53
04/05/2023 04:20	0.5	213	72	1.3	0.00	24.4	52
04/05/2023 04:30	0.9	229	34	1.8	0.00	24.6	51
04/05/2023 04:40	1.8	179	13	2.7	0.00	25.0	49
04/05/2023 04:50	1.1	66	23	1.7	0.00	24.5	51
04/05/2023 05:00	1.3	39	34	1.9	0.00	23.9	53
04/05/2023 05:10	1.9	55	7	2.4	0.00	23.2	56
04/05/2023 05:20	1.8	59	7	2.1	0.00	23.3	55
04/05/2023 05:30	1.8	55	7	2.2	0.00	23.4	55
04/05/2023 05:40	1.7	58	8	2.3	0.00	23.2	55
04/05/2023 05:50	1.6	57	13	2.3	0.00	23.2	56
04/05/2023 06:00	1.8	56	11	2.3	0.00	23.2	56
04/05/2023 06:10	1.5	47	11	2.1	0.00	23.0	57
04/05/2023 06:20	1.2	43	11	1.7	0.00	23.0	59
04/05/2023 06:30	1.1	51	9	1.6	0.00	22.7	62
04/05/2023 06:40	1.2	58	14	1.8	0.00	22.6	65
04/05/2023 06:50	1.8	85	15	2.9	0.00	22.5	66
04/05/2023 07:00	2.6	104	12	4.2	0.00	23.7	61
04/05/2023 07:10	2.2	103	17	3.8	0.00	24.7	56
04/05/2023 07:20	2.1	104	14	3.5	0.00	25.1	55
04/05/2023 07:30	2.5	107	13	4.0	0.00	25.6	54
04/05/2023 07:40	2.3	109	14	3.6	0.00	25.9	55
04/05/2023 07:50	1.8	104	14	3.0	0.00	26.3	54
04/05/2023 08:00	2.1	104	14	3.2	0.00	26.7	52
04/05/2023 08:10	2.2	106	12	3.4	0.00	26.4	54
04/05/2023 08:20	2.2	98	13	3.4	0.00	26.5	54
04/05/2023 08:30	2.2	109	16	3.6	0.00	27.3	50



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/05/2023 08:40	2.1	100	16	3.2	0.00	27.7	48
04/05/2023 08:50	2.1	108	18	3.3	0.00	27.9	46
04/05/2023 09:00	2.3	100	13	3.4	0.00	28.2	46
04/05/2023 09:10	2.7	94	11	3.7	0.00	28.1	47
04/05/2023 09:20	2.5	96	13	3.8	0.00	28.1	46
04/05/2023 09:30	2.4	103	16	3.8	0.00	28.6	43
04/05/2023 09:40	2.3	113	20	3.5	0.00	28.9	43
04/05/2023 09:50	2.3	106	20	3.7	0.00	29.3	40
04/05/2023 10:00	2.3	133	22	3.7	0.00	29.8	37
04/05/2023 10:10	2.7	111	19	4.1	0.00	30.1	36
04/05/2023 10:20	3.3	106	14	5.4	0.00	30.2	36
04/05/2023 10:30	3.5	98	14	5.5	0.00	30.5	36
04/05/2023 10:40	4.2	92	11	5.9	0.00	30.5	35
04/05/2023 10:50	5.4	89	7	7.8	0.00	30.2	33
04/05/2023 11:00	5.1	88	8	7.3	0.00	30.4	30
04/05/2023 11:10	5.3	90	9	7.3	0.00	30.4	30
04/05/2023 11:20	5.1	90	9	7.2	0.00	30.5	30
04/05/2023 11:30	5.1	90	11	6.9	0.00	30.7	29
04/05/2023 11:40	4.5	92	14	6.6	0.00	30.7	29
04/05/2023 11:50	4.8	87	14	7.5	0.00	30.9	29
04/05/2023 12:00	5.3	89	12	7.2	0.00	31.1	29
04/05/2023 12:10	5.3	91	10	7.9	0.00	31.1	29
04/05/2023 12:20	5.9	74	10	8.2	0.00	31.0	30
04/05/2023 12:30	5.5	84	11	8.3	0.00	31.3	28
04/05/2023 12:40	5.3	79	14	7.6	0.00	31.0	28
04/05/2023 12:50	5.5	74	9	7.5	0.00	30.8	28
04/05/2023 13:00	5.4	77	9	7.9	0.00	30.3	28
04/05/2023 13:10	5.7	91	9	7.9	0.00	30.6	27
04/05/2023 13:20	5.0	69	13	8.1	0.00	30.8	28
04/05/2023 13:30	5.2	61	10	7.5	0.00	30.5	27
04/05/2023 13:40	4.9	64	14	6.8	0.00	30.5	29
04/05/2023 13:50	4.7	59	12	7.5	0.00	30.7	28
04/05/2023 14:00	5.6	58	11	7.6	0.00	31.2	27
04/05/2023 14:10	6.2	53	7	8.6	0.00	31.2	27
04/05/2023 14:20	6.4	59	9	8.4	0.00	31.4	25
04/05/2023 14:30	6.4	61	9	8.9	0.00	31.8	25
04/05/2023 14:40	6.6	60	8	8.9	0.00	31.8	24
04/05/2023 14:50	6.7	62	8	9.0	0.00	31.8	24
04/05/2023 15:00	6.3	61	7	8.5	0.00	31.7	24
04/05/2023 15:10	6.0	64	7	7.8	0.00	32.1	24
04/05/2023 15:20	5.5	60	7	7.0	0.00	32.2	23
04/05/2023 15:30	4.8	57	12	6.9	0.00	32.3	24
04/05/2023 15:40	4.0	53	17	5.9	0.00	33.0	22
04/05/2023 15:50	4.6	39	12	6.1	0.00	32.8	23
04/05/2023 16:00	4.3	29	16	5.9	0.00	32.5	24
04/05/2023 16:10	4.4	16	9	5.8	0.00	31.8	26
04/05/2023 16:20	4.5	15	9	5.8	0.00	31.6	26
04/05/2023 16:30	4.3	11	11	5.6	0.00	31.0	30



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/05/2023 16:40	4.5	11	9	6.1	0.00	30.7	31
04/05/2023 16:50	3.8	18	10	5.4	0.00	30.7	28
04/05/2023 17:00	4.2	22	6	5.3	0.00	30.5	28
04/05/2023 17:10	2.8	24	9	4.3	0.00	30.3	30
04/05/2023 17:20	3.0	6	9	3.9	0.00	30.0	34
04/05/2023 17:30	3.4	180	9	4.7	0.00	29.6	35
04/05/2023 17:40	3.8	8	8	5.2	0.00	29.4	36
04/05/2023 17:50	3.8	16	8	4.9	0.00	29.2	37
04/05/2023 18:00	3.2	25	8	4.5	0.00	29.0	37
04/05/2023 18:10	2.9	22	8	3.9	0.00	28.9	36
04/05/2023 18:20	1.9	13	14	3.2	0.00	28.6	40
04/05/2023 18:30	2.0	20	10	3.2	0.00	28.5	40
04/05/2023 18:40	2.2	12	12	3.5	0.00	28.3	43
04/05/2023 18:50	2.4	186	11	3.5	0.00	28.1	47
04/05/2023 19:00	2.8	356	8	3.9	0.00	27.7	51
04/05/2023 19:10	1.7	27	18	2.6	0.00	27.6	53
04/05/2023 19:20	1.4	56	20	2.3	0.00	27.4	57
04/05/2023 19:30	0.6	147	40	1.2	0.00	27.3	56
04/05/2023 19:40	0.8	107	25	1.3	0.00	27.3	55
04/05/2023 19:50	0.9	67	10	1.3	0.00	27.3	55
04/05/2023 20:00	0.5	40	21	0.7	0.00	27.2	56
04/05/2023 20:10	0.4	204	30	0.6	0.00	27.0	57
04/05/2023 20:20	0.5	230	9	0.7	0.00	27.1	56
04/05/2023 20:30	0.8	234	14	1.1	0.00	27.0	54
04/05/2023 20:40	1.6	283	8	1.8	0.00	26.9	54
04/05/2023 20:50	1.3	313	6	1.6	0.00	27.1	55
04/05/2023 21:00	0.8	333	12	1.0	0.00	27.2	56
04/05/2023 21:10	1.2	297	12	2.4	0.00	27.0	61
04/05/2023 21:20	1.1	280	8	1.4	0.00	26.7	65
04/05/2023 21:30	1.4	266	7	1.7	0.00	26.5	66
04/05/2023 21:40	1.8	259	6	2.4	0.00	26.3	68
04/05/2023 21:50	2.3	264	5	2.5	0.00	26.1	70
04/05/2023 22:00	1.6	277	8	2.1	0.00	25.9	71
04/05/2023 22:10	0.7	199	32	1.1	0.00	25.9	72
04/05/2023 22:20	0.3	195	53	0.6	0.00	26.0	72
04/05/2023 22:30	0.4	276	19	0.6	0.00	26.0	72
04/05/2023 22:40	0.3	79	59	0.7	0.00	25.7	72
04/05/2023 22:50	0.4	207	16	0.5	0.00	25.6	72
04/05/2023 23:00	0.6	54	19	0.8	0.00	25.6	72
04/05/2023 23:10	0.6	64	6	0.9	0.00	25.5	72
04/05/2023 23:20	0.6	49	5	0.7	0.00	25.5	72
04/05/2023 23:30	0.3	59	36	0.6	0.00	25.4	73
04/05/2023 23:40	1.2	77	5	1.5	0.00	25.2	73
04/05/2023 23:50	1.0	63	6	1.4	0.00	24.7	73
05/05/2023 00:00	0.6	83	16	1.0	0.00	24.7	73
05/05/2023 00:10	1.2	76	5	1.7	0.00	24.9	73
05/05/2023 00:20	1.4	75	6	1.8	0.00	24.7	73
05/05/2023 00:30	1.3	74	5	1.8	0.00	24.4	73



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
05/05/2023 00:40	1.4	61	7	1.7	0.00	24.5	73
05/05/2023 00:50	1.5	70	7	2.1	0.00	24.6	72
05/05/2023 01:00	1.5	62	8	1.9	0.00	24.5	72
05/05/2023 01:10	1.4	57	5	1.8	0.00	24.3	71
05/05/2023 01:20	1.0	62	13	1.4	0.00	24.2	70
05/05/2023 01:30	1.1	89	13	1.6	0.00	24.3	69
05/05/2023 01:40	1.1	96	16	1.7	0.00	24.4	70
05/05/2023 01:50	1.2	88	18	2.0	0.00	24.6	71
05/05/2023 02:00	1.3	75	9	1.9	0.00	24.6	71
05/05/2023 02:10	1.7	87	4	2.1	0.00	24.8	72
05/05/2023 02:20	1.5	72	9	2.0	0.00	24.9	71
05/05/2023 02:30	1.4	58	9	1.9	0.00	24.7	70
05/05/2023 02:40	1.4	54	8	1.9	0.00	24.7	69
05/05/2023 02:50	1.7	56	6	2.2	0.00	24.7	68
05/05/2023 03:00	1.8	45	8	2.3	0.00	24.9	65
05/05/2023 03:10	0.9	63	15	1.3	0.00	25.0	63
05/05/2023 03:20	1.0	46	16	1.6	0.00	24.7	62
05/05/2023 03:30	0.8	128	26	1.3	0.00	24.6	59
05/05/2023 03:40	1.2	190	21	2.2	0.00	24.9	53
05/05/2023 03:50	0.9	113	38	1.8	0.00	25.4	50
05/05/2023 04:00	0.9	22	9	1.2	0.00	25.5	47
05/05/2023 04:10	1.8	54	7	2.5	0.00	25.4	47
05/05/2023 04:20	1.8	59	8	2.4	0.00	25.1	49
05/05/2023 04:30	1.2	72	7	1.7	0.00	25.1	48
05/05/2023 04:40	1.4	74	4	1.7	0.00	25.1	47
05/05/2023 04:50	1.6	54	5	2.0	0.00	24.9	48
05/05/2023 05:00	2.1	55	3	2.5	0.00	25.0	49
05/05/2023 05:10	1.9	64	9	2.6	0.00	24.5	52
05/05/2023 05:20	2.5	68	7	3.5	0.00	24.9	56
05/05/2023 05:30	1.3	102	18	2.3	0.00	25.2	57
05/05/2023 05:40	1.2	94	10	1.7	0.00	25.1	61
05/05/2023 05:50	1.5	110	12	2.1	0.00	24.9	64
05/05/2023 06:00	1.6	96	8	2.2	0.00	24.8	64
05/05/2023 06:10	1.4	85	11	1.9	0.00	24.7	67
05/05/2023 06:20	1.0	97	10	1.5	0.00	24.5	68
05/05/2023 06:30	1.7	106	9	2.3	0.00	24.7	68
05/05/2023 06:40	1.9	73	12	2.6	0.00	24.5	68
05/05/2023 06:50	1.6	60	11	2.3	0.00	24.4	69
05/05/2023 07:00	2.3	67	8	3.5	0.00	24.5	70
05/05/2023 07:10	1.6	78	10	2.0	0.00	24.6	71
05/05/2023 07:20	1.9	85	10	2.6	0.00	24.5	71
05/05/2023 07:30	0.7	53	53	1.4	0.00	24.5	72
05/05/2023 07:40	1.0	68	28	1.8	0.00	24.5	72
05/05/2023 07:50	1.0	72	22	1.7	0.00	24.7	71
05/05/2023 08:00	1.5	91	15	2.5	0.00	25.0	68
05/05/2023 08:10	1.6	95	14	2.7	0.00	25.5	60
05/05/2023 08:20	2.1	102	10	3.0	0.00	25.7	58
05/05/2023 08:30	2.0	105	13	3.2	0.00	25.6	60



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
05/05/2023 08:40	2.6	103	10	3.9	0.00	25.6	58
05/05/2023 08:50	2.5	108	12	3.5	0.00	25.8	55
05/05/2023 09:00	2.3	108	12	3.3	0.00	26.0	57
05/05/2023 09:10	2.1	114	15	3.4	0.00	26.2	53
05/05/2023 09:20	2.6	110	12	4.2	0.00	26.1	52
05/05/2023 09:30	1.8	114	22	2.9	0.00	26.1	51
05/05/2023 09:40	2.5	110	10	3.7	0.00	26.3	51
05/05/2023 09:50	2.4	114	14	4.2	0.00	27.0	50
05/05/2023 10:00	3.4	105	12	5.1	0.00	27.4	48
05/05/2023 10:10	3.1	105	13	4.8	0.00	27.6	48
05/05/2023 10:20	2.4	111	15	3.9	0.00	27.2	50
05/05/2023 10:30	3.0	106	11	4.9	0.00	27.0	51
05/05/2023 10:40	2.9	104	12	4.2	0.00	27.0	53
05/05/2023 10:50	3.5	101	11	5.0	0.00	27.2	47
05/05/2023 11:00	4.9	77	8	6.9	0.00	27.3	46
05/05/2023 11:10	4.3	69	9	6.4	0.00	27.4	43
05/05/2023 11:20	3.1	88	10	4.3	0.00	27.6	40
05/05/2023 11:30	3.4	87	7	4.7	0.00	27.6	40
05/05/2023 11:40	3.2	86	7	4.2	0.00	27.7	40
05/05/2023 11:50	1.7	90	15	2.9	0.00	27.8	40
05/05/2023 12:00	2.2	77	10	3.3	0.00	27.8	39
05/05/2023 12:10	2.8	76	9	3.7	0.00	28.0	38
05/05/2023 12:20	3.3	73	9	4.8	0.00	28.0	39
05/05/2023 12:30	4.0	75	10	6.1	0.00	27.9	39
05/05/2023 12:40	1.8	58	22	3.5	0.00	28.1	36
05/05/2023 12:50	1.8	83	13	2.9	0.00	28.4	34
05/05/2023 13:00	2.8	86	8	3.5	0.00	28.8	32
05/05/2023 13:10	3.3	82	11	4.1	0.00	29.1	29
05/05/2023 13:20	3.7	83	9	5.2	0.00	29.3	29
05/05/2023 13:30	3.3	84	11	4.8	0.00	29.4	29
05/05/2023 13:40	2.8	79	10	3.6	0.00	29.5	29
05/05/2023 13:50	2.7	70	10	3.7	0.00	29.3	30
05/05/2023 14:00	3.0	51	9	3.9	0.00	29.3	32
05/05/2023 14:10	3.0	55	8	3.6	0.00	29.1	31
05/05/2023 14:20	2.7	59	9	3.7	0.00	29.2	31
05/05/2023 14:30	3.1	61	9	4.0	0.00	29.2	30
05/05/2023 14:40	2.8	55	8	3.8	0.00	28.9	30
05/05/2023 14:50	2.6	51	7	3.3	0.00	28.8	30
05/05/2023 15:00	3.2	45	10	4.6	0.00	28.9	28
05/05/2023 15:10	3.9	9	8	5.2	0.00	28.6	33
05/05/2023 15:20	3.6	5	7	5.2	0.00	28.2	38
05/05/2023 15:30	3.8	6	8	5.3	0.00	27.7	41
05/05/2023 15:40	4.3	8	7	5.7	0.00	27.7	40
05/05/2023 15:50	3.5	23	9	4.9	0.00	27.7	40
05/05/2023 16:00	2.9	24	9	4.2	0.00	27.7	40
05/05/2023 16:10	2.9	169	11	3.8	0.00	27.6	41
05/05/2023 16:20	2.1	178	11	2.9	0.00	27.6	41
05/05/2023 16:30	1.8	187	12	2.5	0.00	27.7	41





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
05/05/2023 16:40	1.6	356	11	2.1	0.00	27.6	41
05/05/2023 16:50	1.6	291	12	2.3	0.00	27.6	40
05/05/2023 17:00	1.7	285	9	2.4	0.00	27.7	42
05/05/2023 17:10	1.0	305	10	1.4	0.00	27.6	41
05/05/2023 17:20	1.5	278	9	2.0	0.00	27.5	42
05/05/2023 17:30	1.3	290	13	2.2	0.00	27.2	45
05/05/2023 17:40	2.5	314	11	4.2	0.00	26.9	47
05/05/2023 17:50	2.8	324	9	4.1	0.00	26.8	48
05/05/2023 18:00	3.7	337	8	4.9	0.00	26.9	49
05/05/2023 18:10	3.9	335	9	5.6	0.00	26.8	48
05/05/2023 18:20	5.6	344	8	7.7	0.00	26.5	55
05/05/2023 18:30	5.7	338	9	8.1	0.00	25.9	59
05/05/2023 18:40	5.8	334	8	8.1	0.00	25.9	58
05/05/2023 18:50	5.7	344	8	7.8	0.00	25.9	57
05/05/2023 19:00	5.8	338	8	7.8	0.00	25.9	55
05/05/2023 19:10	4.9	343	11	7.2	0.00	26.0	54
05/05/2023 19:20	4.4	324	11	6.4	0.00	26.2	51
05/05/2023 19:30	3.3	341	11	5.5	0.00	26.3	51
05/05/2023 19:40	3.7	338	13	5.4	0.00	26.3	46
05/05/2023 19:50	3.0	309	10	4.6	0.00	26.5	46
05/05/2023 20:00	3.0	305	11	4.1	0.00	26.4	47
05/05/2023 20:10	2.6	303	10	3.9	0.00	26.5	46
05/05/2023 20:20	3.0	281	7	4.3	0.00	26.5	46
05/05/2023 20:30	2.1	281	8	2.5	0.00	26.2	51
05/05/2023 20:40	0.9	320	24	1.5	0.00	26.2	52
05/05/2023 20:50	2.0	269	12	3.6	0.00	25.9	56
05/05/2023 21:00	1.9	308	17	3.3	0.00	25.6	59
05/05/2023 21:10	1.4	339	22	2.3	0.00	25.7	58
05/05/2023 21:20	2.7	266	10	3.8	0.00	26.1	53
05/05/2023 21:30	1.5	150	26	2.4	0.00	26.0	54
05/05/2023 21:40	1.4	167	24	2.1	0.00	25.9	53
05/05/2023 21:50	1.0	259	11	1.6	0.00	26.0	53
05/05/2023 22:00	0.5	213	18	0.9	0.00	25.8	54
05/05/2023 22:10	0.7	244	36	1.6	0.00	25.5	57
05/05/2023 22:20	2.3	248	12	3.8	0.00	25.6	57
05/05/2023 22:30	1.8	256	18	3.1	0.00	25.8	56
05/05/2023 22:40	1.8	218	18	3.0	0.00	25.8	56
05/05/2023 22:50	1.1	173	18	1.7	0.00	25.6	57
05/05/2023 23:00	1.5	152	32	2.4	0.00	25.5	58
05/05/2023 23:10	3.3	207	10	5.3	0.00	25.2	62
05/05/2023 23:20	2.0	204	14	3.1	0.00	25.3	61
05/05/2023 23:30	1.2	225	20	2.0	0.00	25.4	60
05/05/2023 23:40	1.7	228	17	2.9	0.00	25.4	60
05/05/2023 23:50	1.5	265	25	2.5	0.00	25.3	60
06/05/2023 00:00	0.8	190	70	1.7	0.00	24.9	61
06/05/2023 00:10	0.6	286	45	1.4	0.00	25.1	60
06/05/2023 00:20	0.8	34	21	1.2	0.00	25.2	59
06/05/2023 00:30	1.6	52	8	1.9	0.00	24.6	61



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/05/2023 00:40	1.3	90	11	1.7	0.00	24.6	62
06/05/2023 00:50	1.6	128	13	2.3	0.00	24.6	64
06/05/2023 01:00	1.6	136	25	2.7	0.00	24.9	61
06/05/2023 01:10	0.8	167	51	1.4	0.00	24.5	63
06/05/2023 01:20	1.7	188	18	3.0	0.00	24.6	63
06/05/2023 01:30	3.5	201	11	6.0	0.00	24.8	64
06/05/2023 01:40	4.0	209	10	5.7	0.00	25.0	62
06/05/2023 01:50	3.7	216	12	5.9	0.00	25.2	62
06/05/2023 02:00	3.0	264	15	4.6	0.00	24.9	62
06/05/2023 02:10	2.6	280	11	3.7	0.00	24.4	63
06/05/2023 02:20	1.5	220	53	3.0	0.00	24.5	63
06/05/2023 02:30	0.8	209	52	1.5	0.00	24.6	63
06/05/2023 02:40	1.3	246	40	2.3	0.00	24.8	62
06/05/2023 02:50	3.0	199	7	3.9	0.00	25.1	60
06/05/2023 03:00	3.5	200	6	4.4	0.00	25.1	61
06/05/2023 03:10	2.9	202	12	4.2	0.00	25.2	61
06/05/2023 03:20	1.3	262	53	2.3	0.00	25.0	62
06/05/2023 03:30	1.0	42	40	1.8	0.00	24.8	62
06/05/2023 03:40	0.6	220	49	1.2	0.00	24.7	63
06/05/2023 03:50	0.5	250	61	1.8	0.00	24.6	63
06/05/2023 04:00	1.1	166	41	2.3	0.00	24.7	64
06/05/2023 04:10	1.4	186	31	2.3	0.00	24.9	65
06/05/2023 04:20	1.4	179	26	2.2	0.00	24.9	65
06/05/2023 04:30	1.0	69	48	1.8	0.00	24.5	65
06/05/2023 04:40	1.4	49	14	2.2	0.00	24.1	67
06/05/2023 04:50	0.9	45	41	1.5	0.00	24.4	67
06/05/2023 05:00	0.7	268	56	1.3	0.00	24.4	67
06/05/2023 05:10	0.7	280	44	1.6	0.00	24.3	67
06/05/2023 05:20	1.0	333	54	2.0	0.00	24.3	67
06/05/2023 05:30	0.6	170	78	1.3	0.00	24.0	68
06/05/2023 05:40	0.6	219	67	1.2	0.00	23.8	69
06/05/2023 05:50	0.6	98	81	1.4	0.00	23.6	70
06/05/2023 06:00	0.9	303	76	1.9	0.00	23.6	70
06/05/2023 06:10	1.4	44	38	2.4	0.00	24.0	69
06/05/2023 06:20	2.6	183	13	3.7	0.00	24.4	66
06/05/2023 06:30	1.9	180	19	3.0	0.00	24.4	66
06/05/2023 06:40	1.4	169	19	2.6	0.00	24.3	66
06/05/2023 06:50	1.8	206	18	3.1	0.00	24.2	65
06/05/2023 07:00	2.8	220	22	4.7	0.00	24.4	63
06/05/2023 07:10	1.5	270	55	3.9	0.00	24.3	63
06/05/2023 07:20	1.1	44	28	1.7	0.00	24.2	62
06/05/2023 07:30	1.1	95	13	1.6	0.00	24.4	59
06/05/2023 07:40	1.0	76	19	1.6	0.00	24.8	56
06/05/2023 07:50	1.5	178	29	2.9	0.00	25.3	52
06/05/2023 08:00	2.3	176	18	4.3	0.00	25.1	54
06/05/2023 08:10	2.0	148	19	3.6	0.00	25.4	54
06/05/2023 08:20	2.2	112	18	3.6	0.00	26.1	48
06/05/2023 08:30	2.0	108	17	3.1	0.00	26.1	47



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/05/2023 08:40	2.9	100	12	4.3	0.00	26.4	46
06/05/2023 08:50	3.2	95	10	4.3	0.00	25.8	52
06/05/2023 09:00	2.5	108	14	4.2	0.00	26.2	52
06/05/2023 09:10	2.8	110	13	4.4	0.00	26.8	49
06/05/2023 09:20	2.6	125	19	4.3	0.00	27.4	46
06/05/2023 09:30	2.9	110	14	4.6	0.00	27.4	45
06/05/2023 09:40	2.3	112	18	4.0	0.00	27.1	49
06/05/2023 09:50	3.0	106	14	4.7	0.00	27.3	49
06/05/2023 10:00	3.5	107	11	5.0	0.00	27.3	49
06/05/2023 10:10	4.3	107	10	6.2	0.00	28.1	46
06/05/2023 10:20	4.3	103	13	6.5	0.00	29.0	39
06/05/2023 10:30	5.0	106	11	8.0	0.00	29.1	37
06/05/2023 10:40	4.5	102	11	6.7	0.00	28.8	40
06/05/2023 10:50	4.7	104	11	7.6	0.00	28.8	37
06/05/2023 11:00	5.2	102	12	7.7	0.00	29.1	35
06/05/2023 11:10	4.8	102	10	7.8	0.00	29.0	34
06/05/2023 11:20	5.9	96	10	9.1	0.00	28.8	34
06/05/2023 11:30	5.5	95	9	8.5	0.00	29.2	34
06/05/2023 11:40	6.2	97	11	8.6	0.00	29.6	33
06/05/2023 11:50	6.0	95	8	8.1	0.00	29.3	34
06/05/2023 12:00	6.4	94	7	8.6	0.00	28.9	36
06/05/2023 12:10	6.4	95	7	8.9	0.00	28.9	37
06/05/2023 12:20	6.5	90	8	9.2	0.00	29.5	35
06/05/2023 12:30	5.7	90	11	7.9	0.00	29.6	35
06/05/2023 12:40	6.0	90	7	8.0	0.00	29.6	35
06/05/2023 12:50	6.1	91	8	8.1	0.00	29.0	38
06/05/2023 13:00	6.1	87	8	8.6	0.00	29.2	37
06/05/2023 13:10	6.5	91	7	8.7	0.00	29.2	36
06/05/2023 13:20	5.8	94	9	8.5	0.00	29.3	36
06/05/2023 13:30	6.6	93	7	8.7	0.00	29.3	35
06/05/2023 13:40	5.8	91	8	7.4	0.00	29.0	36
06/05/2023 13:50	5.6	88	8	7.4	0.00	29.4	35
06/05/2023 14:00	5.9	91	6	8.8	0.00	29.4	34
06/05/2023 14:10	5.8	91	7	7.6	0.00	30.0	31
06/05/2023 14:20	5.6	88	7	7.5	0.00	30.1	31
06/05/2023 14:30	4.9	87	10	7.6	0.00	30.2	31
06/05/2023 14:40	5.5	77	9	7.1	0.00	30.1	31
06/05/2023 14:50	5.8	88	8	8.1	0.00	29.8	31
06/05/2023 15:00	5.4	86	11	7.9	0.00	30.3	32
06/05/2023 15:10	5.0	85	11	7.0	0.00	30.0	32
06/05/2023 15:20	4.8	88	9	6.6	0.00	29.8	34
06/05/2023 15:30	5.1	82	9	7.7	0.00	30.2	35
06/05/2023 15:40	5.3	80	9	8.1	0.00	30.0	34
06/05/2023 15:50	6.0	80	8	7.8	0.00	29.6	34
06/05/2023 16:00	6.2	79	7	7.9	0.00	29.0	36
06/05/2023 16:10	6.0	79	6	7.6	0.00	28.5	40
06/05/2023 16:20	5.9	82	7	8.1	0.00	28.4	42
06/05/2023 16:30	5.0	80	8	6.8	0.00	28.7	44



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/05/2023 16:40	5.0	69	8	7.2	0.00	28.9	45
06/05/2023 16:50	4.6	66	8	6.6	0.00	28.2	49
06/05/2023 17:00	4.1	66	8	5.9	0.00	28.0	50
06/05/2023 17:10	4.1	67	8	5.7	0.00	27.9	49
06/05/2023 17:20	4.3	70	7	6.5	0.00	27.8	49
06/05/2023 17:30	3.8	66	9	5.9	0.00	27.5	52
06/05/2023 17:40	3.5	65	7	5.1	0.00	27.1	55
06/05/2023 17:50	2.7	67	9	4.0	0.00	26.8	59
06/05/2023 18:00	2.9	68	8	3.9	0.00	26.6	59
06/05/2023 18:10	2.8	65	7	3.6	0.00	26.4	61
06/05/2023 18:20	2.2	68	7	3.1	0.00	26.1	63
06/05/2023 18:30	2.3	76	6	2.9	0.00	26.0	64
06/05/2023 18:40	2.5	71	6	3.1	0.00	25.9	65
06/05/2023 18:50	2.4	70	7	3.3	0.00	25.8	67
06/05/2023 19:00	2.0	79	6	2.7	0.00	25.7	67
06/05/2023 19:10	2.0	60	8	2.6	0.00	25.5	68
06/05/2023 19:20	2.2	72	7	2.7	0.00	25.4	69
06/05/2023 19:30	1.9	74	7	2.5	0.00	25.4	71
06/05/2023 19:40	2.2	76	6	2.9	0.00	25.3	72
06/05/2023 19:50	1.8	67	7	2.3	0.00	25.1	73
06/05/2023 20:00	1.5	76	7	2.1	0.00	24.9	73
06/05/2023 20:10	1.0	90	14	1.6	0.00	24.9	73
06/05/2023 20:20	1.9	117	11	2.7	0.00	25.4	74
06/05/2023 20:30	2.5	111	10	3.4	0.00	25.5	74
06/05/2023 20:40	2.2	107	12	3.5	0.00	25.3	73
06/05/2023 20:50	2.1	100	7	2.9	0.00	25.2	70
06/05/2023 21:00	1.7	105	9	2.6	0.00	25.1	69
06/05/2023 21:10	2.5	112	12	3.2	0.00	25.1	67
06/05/2023 21:20	2.5	107	10	3.4	0.00	25.0	65
06/05/2023 21:30	2.2	104	9	3.0	0.00	25.0	62
06/05/2023 21:40	1.4	105	11	2.3	0.00	24.9	60
06/05/2023 21:50	1.0	88	15	1.7	0.00	24.5	59
06/05/2023 22:00	1.6	101	15	2.5	0.00	24.4	57
06/05/2023 22:10	1.3	52	10	1.7	0.00	24.3	56
06/05/2023 22:20	1.3	89	12	1.7	0.00	24.3	54
06/05/2023 22:30	1.6	106	10	2.3	0.00	24.4	52
06/05/2023 22:40	1.5	98	10	2.2	0.00	24.3	53
06/05/2023 22:50	1.2	80	15	1.7	0.00	23.9	52
06/05/2023 23:00	2.4	97	6	3.0	0.00	24.2	50
06/05/2023 23:10	2.4	95	5	3.0	0.00	24.4	53
06/05/2023 23:20	1.9	102	8	2.6	0.00	24.4	56
06/05/2023 23:30	2.0	106	9	3.0	0.00	24.5	58
06/05/2023 23:40	2.2	99	8	3.0	0.00	24.4	60
06/05/2023 23:50	2.2	95	9	3.5	0.00	24.4	61
07/05/2023 00:00	2.3	87	5	3.0	0.00	24.3	62
07/05/2023 00:10	2.2	89	5	2.8	0.00	24.4	63
07/05/2023 00:20	2.1	88	6	3.3	0.00	24.5	65
07/05/2023 00:30	2.2	96	7	3.2	0.00	24.5	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
07/05/2023 00:40	1.9	96	9	2.8	0.00	24.6	69
07/05/2023 00:50	1.4	109	15	2.0	0.00	24.5	69
07/05/2023 01:00	1.9	108	12	3.1	0.00	24.3	70
07/05/2023 01:10	2.2	106	10	3.3	0.00	24.4	72
07/05/2023 01:20	1.7	103	14	3.0	0.00	24.3	72
07/05/2023 01:30	2.2	104	12	3.2	0.00	24.4	73
07/05/2023 01:40	2.3	98	10	3.8	0.00	24.4	72
07/05/2023 01:50	2.3	91	9	3.4	0.00	24.4	70
07/05/2023 02:00	1.8	83	7	3.0	0.00	24.2	69
07/05/2023 02:10	2.3	83	8	3.2	0.00	24.1	66
07/05/2023 02:20	2.4	87	8	3.6	0.00	24.7	58
07/05/2023 02:30	2.5	90	9	3.6	0.00	25.0	56
07/05/2023 02:40	2.9	93	8	4.4	0.00	25.1	53
07/05/2023 02:50	3.0	96	9	4.5	0.00	25.2	50
07/05/2023 03:00	2.8	93	8	4.3	0.00	25.3	51
07/05/2023 03:10	3.6	94	8	5.3	0.00	25.4	48
07/05/2023 03:20	3.4	102	10	5.2	0.00	25.5	47
07/05/2023 03:30	3.0	106	10	5.0	0.00	25.4	48
07/05/2023 03:40	3.1	104	10	4.9	0.00	25.3	47
07/05/2023 03:50	2.8	107	11	4.3	0.00	25.1	47
07/05/2023 04:00	2.7	101	12	4.3	0.00	25.0	46
07/05/2023 04:10	2.6	98	9	4.1	0.00	24.9	47
07/05/2023 04:20	2.5	97	11	4.0	0.00	24.9	47
07/05/2023 04:30	2.9	101	10	4.6	0.00	25.0	46
07/05/2023 04:40	3.1	102	12	5.2	0.00	25.0	45
07/05/2023 04:50	3.4	104	12	5.2	0.00	25.0	44
07/05/2023 05:00	3.3	100	11	5.2	0.00	25.0	45
07/05/2023 05:10	3.0	103	12	4.9	0.00	24.9	45
07/05/2023 05:20	3.1	98	12	5.0	0.00	24.8	46
07/05/2023 05:30	3.8	97	10	5.6	0.00	24.9	45
07/05/2023 05:40	3.5	100	12	5.4	0.00	24.9	45
07/05/2023 05:50	4.0	104	12	6.0	0.00	25.0	45
07/05/2023 06:00	4.2	106	12	6.6	0.00	25.0	45
07/05/2023 06:10	4.0	102	12	7.2	0.00	25.0	44
07/05/2023 06:20	4.5	105	13	6.9	0.00	25.1	43
07/05/2023 06:30	4.8	102	13	8.2	0.00	25.2	43
07/05/2023 06:40	5.2	101	13	8.3	0.00	25.2	41
07/05/2023 06:50	4.8	100	11	8.2	0.00	25.2	42
07/05/2023 07:00	5.0	102	11	8.7	0.00	25.2	41
07/05/2023 07:10	5.2	104	11	8.0	0.00	25.3	40
07/05/2023 07:20	5.4	106	12	8.5	0.00	25.4	40
07/05/2023 07:30	5.5	104	10	8.2	0.00	25.3	41
07/05/2023 07:40	5.1	104	12	8.6	0.00	25.3	41
07/05/2023 07:50	5.0	102	11	7.7	0.00	25.4	40
07/05/2023 08:00	4.9	104	11	7.7	0.00	25.5	40
07/05/2023 08:10	5.2	103	11	8.3	0.00	25.7	40
07/05/2023 08:20	5.5	101	11	9.1	0.00	25.7	40
07/05/2023 08:30	5.7	102	12	8.4	0.00	25.7	40



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
07/05/2023 08:40	5.9	102	10	8.5	0.00	25.8	40
07/05/2023 08:50	6.1	103	12	9.7	0.00	26.0	39
07/05/2023 09:00	5.8	101	11	8.8	0.00	26.2	39
07/05/2023 09:10	6.4	100	11	10.4	0.00	26.6	38
07/05/2023 09:20	7.0	97	10	10.1	0.00	26.6	38
07/05/2023 09:30	6.9	94	8	9.7	0.00	27.1	37
07/05/2023 09:40	7.8	92	7	11.0	0.00	26.9	37
07/05/2023 09:50	8.3	94	8	11.1	0.00	27.1	36
07/05/2023 10:00	7.4	93	8	10.3	0.00	27.2	37
07/05/2023 10:10	7.0	92	9	10.2	0.00	27.6	36
07/05/2023 10:20	7.2	90	8	10.3	0.00	27.8	36
07/05/2023 10:30	7.1	91	10	10.2	0.00	27.9	37
07/05/2023 10:40	7.0	92	11	11.4	0.00	28.2	38
07/05/2023 10:50	7.0	91	8	10.3	0.00	28.5	36
07/05/2023 11:00	6.9	95	10	9.8	0.00	28.7	35
07/05/2023 11:10	6.9	94	8	10.0	0.00	28.6	37
07/05/2023 11:20	7.8	97	8	11.0	0.00	28.5	37
07/05/2023 11:30	8.1	95	8	11.1	0.00	28.7	37
07/05/2023 11:40	7.6	93	7	10.4	0.00	28.7	38
07/05/2023 11:50	7.7	93	9	10.8	0.00	28.7	38
07/05/2023 12:00	7.6	95	8	10.7	0.00	28.8	37
07/05/2023 12:10	7.5	91	8	10.1	0.00	28.9	37
07/05/2023 12:20	7.7	92	8	10.5	0.00	28.8	38
07/05/2023 12:30	7.6	94	9	10.4	0.00	28.8	37
07/05/2023 12:40	7.3	93	8	9.8	0.00	29.0	38
07/05/2023 12:50	6.6	93	9	9.9	0.00	29.1	38
07/05/2023 13:00	6.1	88	10	8.7	0.00	29.6	38
07/05/2023 13:10	6.4	91	9	9.2	0.00	29.5	38
07/05/2023 13:20	6.6	87	8	8.2	0.00	29.3	38
07/05/2023 13:30	6.4	84	10	8.8	0.00	29.5	37
07/05/2023 13:40	6.6	88	8	9.7	0.00	29.7	36
07/05/2023 13:50	6.2	82	10	8.6	0.00	29.7	36
07/05/2023 14:00	6.8	77	8	9.2	0.00	29.4	38
07/05/2023 14:10	6.7	74	8	8.7	0.00	29.3	39
07/05/2023 14:20	5.9	80	9	7.9	0.00	29.6	38
07/05/2023 14:30	5.8	78	10	7.9	0.00	29.4	41
07/05/2023 14:40	6.2	69	7	8.2	0.00	28.9	43
07/05/2023 14:50	6.4	77	8	8.0	0.00	28.7	44
07/05/2023 15:00	6.2	85	9	8.4	0.00	29.0	44
07/05/2023 15:10	5.8	72	8	8.1	0.00	29.1	44
07/05/2023 15:20	6.8	62	7	8.5	0.00	28.9	42
07/05/2023 15:30	6.1	61	8	8.2	0.00	29.1	43
07/05/2023 15:40	5.9	59	7	8.0	0.00	29.0	45
07/05/2023 15:50	5.9	51	8	8.6	0.00	29.1	44
07/05/2023 16:00	6.6	52	6	8.5	0.00	28.8	44
07/05/2023 16:10	6.3	54	5	8.4	0.00	28.6	45
07/05/2023 16:20	5.3	56	8	7.2	0.00	28.8	47
07/05/2023 16:30	5.7	56	8	7.2	0.00	28.6	49



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
07/05/2023 16:40	5.7	53	8	7.4	0.00	28.5	48
07/05/2023 16:50	6.0	53	6	7.7	0.00	28.3	48
07/05/2023 17:00	5.3	55	8	7.1	0.00	28.1	50
07/05/2023 17:10	4.4	56	8	6.4	0.00	28.0	51
07/05/2023 17:20	4.7	56	8	6.3	0.00	27.7	52
07/05/2023 17:30	4.5	56	6	6.1	0.00	27.3	54
07/05/2023 17:40	4.6	54	7	6.3	0.00	26.9	54
07/05/2023 17:50	4.3	55	7	6.3	0.00	26.8	54
07/05/2023 18:00	4.3	54	6	5.6	0.00	26.7	56
07/05/2023 18:10	3.4	53	8	4.5	0.00	26.5	57
07/05/2023 18:20	3.5	55	6	4.6	0.00	26.2	59
07/05/2023 18:30	3.1	54	7	4.0	0.00	26.0	61
07/05/2023 18:40	2.6	52	6	3.4	0.00	25.8	62
07/05/2023 18:50	2.4	59	8	3.6	0.00	25.7	63
07/05/2023 19:00	2.2	58	8	3.1	0.00	25.5	64
07/05/2023 19:10	2.1	60	7	2.9	0.00	25.3	65
07/05/2023 19:20	2.2	62	7	2.9	0.00	25.1	66
07/05/2023 19:30	1.5	69	9	2.5	0.00	24.9	67
07/05/2023 19:40	1.7	66	8	2.5	0.00	24.8	68
07/05/2023 19:50	2.0	57	7	2.5	0.00	24.5	70
07/05/2023 20:00	2.3	58	5	2.8	0.00	24.4	71
07/05/2023 20:10	1.3	68	9	2.0	0.00	24.4	71
07/05/2023 20:20	1.5	62	8	2.1	0.00	24.2	72
07/05/2023 20:30	1.1	68	9	1.6	0.00	24.3	72
07/05/2023 20:40	0.9	81	12	1.4	0.00	24.1	72
07/05/2023 20:50	1.0	92	13	1.4	0.00	24.1	72
07/05/2023 21:00	0.9	105	16	1.2	0.00	24.2	72
07/05/2023 21:10	0.6	135	19	1.1	0.00	24.1	73
07/05/2023 21:20	0.9	71	19	1.2	0.00	24.0	73
07/05/2023 21:30	0.9	71	18	1.4	0.00	23.9	73
07/05/2023 21:40	0.9	82	14	1.5	0.00	23.8	73
07/05/2023 21:50	1.1	63	9	1.5	0.00	24.0	73
07/05/2023 22:00	1.2	75	12	1.9	0.00	24.2	74
07/05/2023 22:10	1.3	55	9	1.8	0.00	24.4	71
07/05/2023 22:20	1.4	70	11	1.8	0.00	24.4	66
07/05/2023 22:30	1.6	88	19	2.8	0.00	24.1	61
07/05/2023 22:40	2.2	101	12	3.2	0.00	24.0	61
07/05/2023 22:50	2.6	106	10	3.8	0.00	24.2	62
07/05/2023 23:00	2.1	99	8	2.8	0.00	24.1	62
07/05/2023 23:10	1.9	96	8	2.8	0.00	24.0	63
07/05/2023 23:20	1.2	79	15	1.9	0.00	23.8	65
07/05/2023 23:30	1.5	107	10	2.4	0.00	23.9	65
07/05/2023 23:40	1.9	105	8	2.8	0.00	24.1	69
07/05/2023 23:50	1.8	112	10	2.5	0.00	24.4	71
08/05/2023 00:00	2.1	103	12	3.7	0.00	24.6	72
08/05/2023 00:10	1.6	91	10	2.5	0.00	24.6	72
08/05/2023 00:20	1.5	97	7	2.0	0.00	24.4	72
08/05/2023 00:30	1.5	99	8	2.0	0.00	24.5	72



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
08/05/2023 00:40	1.9	108	10	2.8	0.00	24.5	73
08/05/2023 00:50	2.0	105	8	2.7	0.00	24.6	73
08/05/2023 01:00	2.0	99	9	2.8	0.00	24.5	73
08/05/2023 01:10	1.8	97	7	2.6	0.00	24.4	73
08/05/2023 01:20	1.4	105	13	2.2	0.00	24.5	73
08/05/2023 01:30	1.8	113	12	3.0	0.00	24.3	73
08/05/2023 01:40	2.0	106	12	2.7	0.00	24.3	72
08/05/2023 01:50	2.1	110	10	3.0	0.00	24.2	72
08/05/2023 02:00	2.3	112	10	3.3	0.00	24.2	72
08/05/2023 02:10	2.4	113	11	3.6	0.00	24.3	71
08/05/2023 02:20	2.2	115	10	3.2	0.00	24.4	71
08/05/2023 02:30	1.8	114	13	2.7	0.00	24.2	71
08/05/2023 02:40	2.2	117	15	3.6	0.00	24.0	68
08/05/2023 02:50	2.8	111	12	4.3	0.00	24.2	67
08/05/2023 03:00	2.9	102	9	4.1	0.00	24.3	68
08/05/2023 03:10	3.0	104	10	4.5	0.00	24.4	61
08/05/2023 03:20	3.0	102	10	4.5	0.00	24.8	56
08/05/2023 03:30	3.5	106	10	5.1	0.00	24.9	54
08/05/2023 03:40	3.9	106	11	6.1	0.00	25.1	53
08/05/2023 03:50	3.9	107	12	5.6	0.00	25.0	52
08/05/2023 04:00	4.1	107	11	6.5	0.00	25.1	51
08/05/2023 04:10	4.1	105	11	5.7	0.00	25.0	50
08/05/2023 04:20	4.0	105	11	5.6	0.00	25.0	50
08/05/2023 04:30	4.2	105	10	6.3	0.00	24.9	51
08/05/2023 04:40	3.9	103	10	5.5	0.00	24.8	50
08/05/2023 04:50	3.6	106	12	5.4	0.00	24.8	52
08/05/2023 05:00	3.9	107	11	6.0	0.00	24.7	51
08/05/2023 05:10	4.3	105	10	6.0	0.00	24.7	51
08/05/2023 05:20	4.3	106	11	5.9	0.00	24.6	51
08/05/2023 05:30	4.2	105	10	5.7	0.00	24.5	51
08/05/2023 05:40	4.0	105	12	5.6	0.00	24.6	50
08/05/2023 05:50	4.3	102	11	6.2	0.00	24.8	47
08/05/2023 06:00	4.2	102	9	6.2	0.00	25.0	46
08/05/2023 06:10	4.3	101	10	6.6	0.00	25.1	46
08/05/2023 06:20	4.2	100	8	6.8	0.00	25.1	47
08/05/2023 06:30	4.9	102	10	7.5	0.00	25.1	45
08/05/2023 06:40	4.8	104	11	7.5	0.00	25.2	45
08/05/2023 06:50	5.0	103	11	8.3	0.00	25.2	45
08/05/2023 07:00	4.8	102	10	6.8	0.00	25.2	45
08/05/2023 07:10	5.3	99	10	8.5	0.00	25.3	46
08/05/2023 07:20	5.4	101	9	8.2	0.00	25.5	45
08/05/2023 07:30	5.0	103	11	7.6	0.00	25.6	45
08/05/2023 07:40	5.0	103	11	8.3	0.00	25.8	44
08/05/2023 07:50	5.3	104	11	8.4	0.00	25.9	44
08/05/2023 08:00	5.4	106	12	8.1	0.00	25.9	45
08/05/2023 08:10	5.6	105	10	8.7	0.00	26.0	44
08/05/2023 08:20	5.3	106	10	8.1	0.00	26.1	43
08/05/2023 08:30	5.3	105	11	8.2	0.00	26.3	42





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
08/05/2023 08:40	5.4	100	10	8.7	0.00	26.5	42
08/05/2023 08:50	5.8	99	10	8.9	0.00	26.8	42
08/05/2023 09:00	7.5	94	8	11.1	0.00	26.8	39
08/05/2023 09:10	7.2	97	9	10.7	0.00	27.3	39
08/05/2023 09:20	8.1	94	9	11.8	0.00	27.6	38
08/05/2023 09:30	7.4	94	8	10.6	0.00	27.7	39
08/05/2023 09:40	8.0	96	8	11.5	0.00	27.8	38
08/05/2023 09:50	7.2	96	10	10.5	0.00	27.9	38
08/05/2023 10:00	7.5	92	9	10.6	0.00	28.0	38
08/05/2023 10:10	8.1	92	10	11.3	0.00	28.2	38
08/05/2023 10:20	7.4	89	9	10.6	0.00	28.1	38
08/05/2023 10:30	7.4	90	9	11.2	0.00	28.0	39
08/05/2023 10:40	8.1	84	8	12.4	0.00	27.8	38
08/05/2023 10:50	8.8	85	7	12.2	0.00	27.8	39
08/05/2023 11:00	7.9	84	9	11.0	0.00	28.2	39
08/05/2023 11:10	7.5	86	9	10.7	0.00	28.6	40
08/05/2023 11:20	8.4	85	8	12.3	0.00	28.8	39
08/05/2023 11:30	9.0	84	7	12.4	0.00	28.7	39
08/05/2023 11:40	8.1	86	8	11.0	0.00	28.8	39
08/05/2023 11:50	7.7	86	7	10.3	0.00	29.0	40
08/05/2023 12:00	7.6	87	8	10.3	0.00	29.1	40
08/05/2023 12:10	6.7	87	9	9.5	0.00	29.3	40
08/05/2023 12:20	7.4	85	7	10.4	0.00	29.0	41
08/05/2023 12:30	7.3	87	8	10.2	0.00	29.1	43
08/05/2023 12:40	6.7	77	10	9.1	0.00	29.4	44
08/05/2023 12:50	7.6	76	7	10.3	0.00	28.4	48
08/05/2023 13:00	8.5	75	7	11.7	0.00	28.2	51
08/05/2023 13:10	8.7	75	6	11.7	0.00	28.4	49
08/05/2023 13:20	9.0	80	6	11.6	0.00	28.6	48
08/05/2023 13:30	8.9	83	8	12.6	0.00	28.8	46
08/05/2023 13:40	8.8	85	7	11.7	0.00	29.2	45
08/05/2023 13:50	8.2	83	10	10.9	0.00	29.3	44
08/05/2023 14:00	8.4	69	9	11.6	0.00	29.3	43
08/05/2023 14:10	9.0	75	9	13.7	0.00	29.1	42
08/05/2023 14:20	7.7	86	9	11.2	0.00	29.3	43
08/05/2023 14:30	7.9	80	8	11.3	0.00	29.1	44
08/05/2023 14:40	7.9	85	7	11.2	0.00	28.7	46
08/05/2023 14:50	8.3	85	7	11.8	0.00	28.8	46
08/05/2023 15:00	8.0	84	8	10.7	0.00	28.5	48
08/05/2023 15:10	8.4	78	6	10.7	0.00	28.2	49
08/05/2023 15:20	7.8	81	7	10.4	0.00	28.1	51
08/05/2023 15:30	7.4	86	6	9.7	0.00	28.4	51
08/05/2023 15:40	7.1	83	7	9.6	0.00	28.4	51
08/05/2023 15:50	7.2	87	7	9.8	0.00	28.4	52
08/05/2023 16:00	6.2	85	9	8.5	0.00	28.5	53
08/05/2023 16:10	5.9	79	10	8.9	0.00	28.5	53
08/05/2023 16:20	5.8	79	9	8.8	0.00	28.4	55
08/05/2023 16:30	5.7	81	11	7.8	0.00	28.2	56



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
08/05/2023 16:40	6.0	87	8	8.0	0.00	28.1	58
08/05/2023 16:50	6.0	77	9	8.5	0.00	27.9	59
08/05/2023 17:00	5.7	78	9	8.3	0.00	27.8	59
08/05/2023 17:10	5.6	68	8	8.8	0.00	27.7	60
08/05/2023 17:20	6.6	64	7	8.8	0.00	27.4	61
08/05/2023 17:30	6.7	64	8	9.4	0.00	27.1	61
08/05/2023 17:40	6.0	63	7	8.3	0.00	26.8	62
08/05/2023 17:50	5.5	61	7	7.4	0.00	26.5	64
08/05/2023 18:00	5.5	64	7	7.6	0.00	26.5	64
08/05/2023 18:10	5.5	63	7	7.3	0.00	26.4	65
08/05/2023 18:20	4.8	64	8	6.7	0.00	26.2	67
08/05/2023 18:30	4.9	61	8	6.7	0.00	26.1	68
08/05/2023 18:40	4.7	64	7	6.1	0.00	25.9	69
08/05/2023 18:50	4.7	61	8	6.4	0.00	25.9	69
08/05/2023 19:00	4.7	62	8	6.4	0.00	25.8	70
08/05/2023 19:10	4.6	63	7	6.2	0.00	25.7	71
08/05/2023 19:20	4.5	62	8	6.1	0.00	25.7	72
08/05/2023 19:30	4.4	62	7	6.2	0.00	25.6	73
08/05/2023 19:40	4.4	57	7	6.0	0.00	25.5	73
08/05/2023 19:50	4.2	58	6	5.8	0.00	25.5	73
08/05/2023 20:00	4.2	56	7	5.7	0.00	25.4	74
08/05/2023 20:10	4.2	59	8	6.3	0.00	25.3	74
08/05/2023 20:20	4.6	56	6	6.1	0.00	25.4	73
08/05/2023 20:30	4.1	57	8	5.7	0.00	25.5	73
08/05/2023 20:40	3.1	50	8	4.3	0.00	25.4	73
08/05/2023 20:50	2.5	45	7	3.3	0.00	25.2	73
08/05/2023 21:00	2.2	55	6	3.1	0.00	25.2	73
08/05/2023 21:10	1.8	61	7	2.4	0.00	25.1	73
08/05/2023 21:20	2.3	59	5	2.9	0.00	25.0	74
08/05/2023 21:30	2.2	53	4	2.8	0.00	24.8	74
08/05/2023 21:40	2.2	56	4	2.8	0.00	24.6	74
08/05/2023 21:50	2.3	54	4	2.8	0.00	24.6	73
08/05/2023 22:00	1.7	66	8	2.2	0.00	24.6	73
08/05/2023 22:10	1.2	69	7	1.6	0.00	24.5	72
08/05/2023 22:20	1.4	72	8	1.8	0.00	24.5	71
08/05/2023 22:30	2.2	76	10	3.2	0.00	24.7	68
08/05/2023 22:40	2.5	95	8	3.5	0.00	25.2	66
08/05/2023 22:50	2.4	98	8	3.2	0.00	25.2	64
08/05/2023 23:00	2.2	109	10	3.3	0.00	25.2	61
08/05/2023 23:10	2.6	117	12	3.8	0.00	25.1	57
08/05/2023 23:20	2.1	104	12	2.9	0.00	24.7	56
08/05/2023 23:30	1.6	110	16	2.8	0.00	24.4	54
08/05/2023 23:40	1.7	112	15	2.7	0.00	24.1	54
08/05/2023 23:50	2.2	118	10	3.6	0.00	24.1	54
09/05/2023 00:00	1.7	118	12	3.1	0.00	23.9	56
09/05/2023 00:10	1.8	118	15	2.9	0.00	23.9	58
09/05/2023 00:20	1.9	115	12	2.8	0.00	23.9	62
09/05/2023 00:30	1.9	111	14	3.1	0.00	23.9	64



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/05/2023 00:40	2.6	107	11	3.8	0.00	24.0	66
09/05/2023 00:50	2.3	105	11	3.5	0.00	24.0	67
09/05/2023 01:00	2.0	103	16	3.4	0.00	23.9	67
09/05/2023 01:10	2.2	97	14	3.7	0.00	23.9	68
09/05/2023 01:20	2.4	93	13	4.1	0.00	24.0	69
09/05/2023 01:30	2.3	89	20	3.9	0.00	23.9	69
09/05/2023 01:40	2.5	99	12	4.1	0.00	23.9	69
09/05/2023 01:50	2.8	110	12	4.9	0.00	23.8	69
09/05/2023 02:00	2.2	115	11	3.2	0.00	23.6	69
09/05/2023 02:10	1.5	119	19	2.5	0.00	23.6	69
09/05/2023 02:20	1.7	111	17	3.3	0.00	23.5	68
09/05/2023 02:30	3.0	103	11	4.7	0.00	23.5	68
09/05/2023 02:40	3.4	95	10	4.5	0.00	23.5	70
09/05/2023 02:50	2.9	99	11	4.5	0.00	23.7	72
09/05/2023 03:00	3.0	84	7	4.6	0.00	23.7	73
09/05/2023 03:10	3.5	85	9	5.1	0.00	23.9	72
09/05/2023 03:20	4.1	88	8	5.5	0.00	24.3	69
09/05/2023 03:30	4.1	90	8	6.0	0.00	24.4	69
09/05/2023 03:40	3.9	91	7	5.3	0.00	24.4	69
09/05/2023 03:50	4.1	87	8	6.0	0.00	24.4	69
09/05/2023 04:00	4.9	89	6	6.6	0.00	24.5	68
09/05/2023 04:10	5.1	92	8	7.1	0.00	24.6	65
09/05/2023 04:20	4.9	98	9	7.7	0.00	24.6	65
09/05/2023 04:30	5.8	93	8	8.3	0.00	24.5	59
09/05/2023 04:40	6.4	91	8	9.3	0.00	24.9	51
09/05/2023 04:50	6.3	94	8	8.7	0.00	24.9	51
09/05/2023 05:00	5.9	95	7	8.8	0.00	24.8	52
09/05/2023 05:10	6.5	92	8	8.8	0.00	24.8	49
09/05/2023 05:20	6.6	94	7	9.0	0.00	24.7	49
09/05/2023 05:30	6.3	94	8	9.3	0.00	24.6	48
09/05/2023 05:40	5.5	91	9	8.0	0.00	24.5	49
09/05/2023 05:50	6.3	91	8	9.8	0.00	24.4	47
09/05/2023 06:00	6.6	92	8	9.6	0.00	24.4	46
09/05/2023 06:10	6.3	94	8	8.7	0.00	24.3	47
09/05/2023 06:20	6.1	94	9	8.7	0.00	24.1	47
09/05/2023 06:30	6.4	95	9	9.4	0.00	24.1	47
09/05/2023 06:40	5.8	94	9	8.0	0.00	24.1	47
09/05/2023 06:50	6.3	97	10	9.9	0.00	24.1	45
09/05/2023 07:00	6.1	95	9	8.7	0.00	24.2	45
09/05/2023 07:10	6.6	93	7	9.3	0.00	24.3	44
09/05/2023 07:20	5.7	96	9	8.6	0.00	24.5	44
09/05/2023 07:30	6.4	95	9	9.3	0.00	24.6	43
09/05/2023 07:40	5.3	102	11	8.4	0.00	24.7	42
09/05/2023 07:50	6.1	98	10	9.1	0.00	24.8	42
09/05/2023 08:00	6.0	101	11	9.2	0.00	24.8	41
09/05/2023 08:10	6.5	98	9	9.4	0.00	24.8	41
09/05/2023 08:20	6.5	100	10	9.4	0.00	24.9	41
09/05/2023 08:30	7.1	97	9	11.1	0.00	25.1	40



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/05/2023 08:40	7.1	96	9	11.6	0.00	25.4	40
09/05/2023 08:50	7.9	94	8	11.1	0.00	25.3	41
09/05/2023 09:00	7.4	95	10	11.7	0.00	25.2	41
09/05/2023 09:10	7.5	93	9	10.4	0.00	25.2	43
09/05/2023 09:20	6.9	92	10	9.9	0.00	25.5	44
09/05/2023 09:30	6.5	94	9	8.8	0.00	25.6	46
09/05/2023 09:40	7.4	93	10	10.6	0.00	26.0	45
09/05/2023 09:50	7.8	89	10	11.5	0.00	26.4	42
09/05/2023 10:00	7.8	88	10	11.7	0.00	26.6	42
09/05/2023 10:10	7.1	87	10	10.5	0.00	26.7	42
09/05/2023 10:20	8.3	89	9	11.9	0.00	26.6	43
09/05/2023 10:30	8.6	84	8	12.0	0.00	26.7	41
09/05/2023 10:40	8.7	85	8	11.6	0.00	26.8	41
09/05/2023 10:50	9.1	86	7	11.6	0.00	26.6	42
09/05/2023 11:00	8.2	83	9	11.6	0.00	26.7	42
09/05/2023 11:10	8.2	84	9	11.9	0.00	26.9	41
09/05/2023 11:20	7.9	83	10	11.1	0.00	27.1	41
09/05/2023 11:30	7.6	84	10	10.7	0.00	27.1	41
09/05/2023 11:40	8.0	85	9	11.8	0.00	27.3	41
09/05/2023 11:50	7.4	86	9	10.7	0.00	27.4	43
09/05/2023 12:00	7.0	85	10	10.1	0.00	27.8	42
09/05/2023 12:10	7.4	86	9	10.1	0.00	27.4	43
09/05/2023 12:20	6.9	89	8	8.7	0.00	27.6	44
09/05/2023 12:30	6.8	85	9	9.9	0.00	27.7	44
09/05/2023 12:40	7.3	81	7	9.5	0.00	27.8	43
09/05/2023 12:50	8.7	80	7	11.5	0.00	27.6	41
09/05/2023 13:00	8.2	82	7	11.8	0.00	27.7	42
09/05/2023 13:10	8.0	84	7	10.3	0.00	27.9	42
09/05/2023 13:20	7.6	85	8	10.5	0.00	28.3	41
09/05/2023 13:30	6.5	78	12	9.6	0.00	28.4	43
09/05/2023 13:40	7.1	69	12	9.7	0.00	28.2	43
09/05/2023 13:50	6.9	61	10	9.4	0.00	27.9	45
09/05/2023 14:00	6.9	59	9	9.1	0.00	27.8	45
09/05/2023 14:10	6.9	64	9	8.9	0.00	27.5	46
09/05/2023 14:20	6.7	62	9	9.1	0.00	27.8	44
09/05/2023 14:30	6.4	54	10	8.7	0.00	28.0	45
09/05/2023 14:40	6.8	60	8	9.0	0.00	27.9	42
09/05/2023 14:50	6.4	61	8	8.4	0.00	27.9	44
09/05/2023 15:00	6.0	55	9	8.8	0.00	28.1	46
09/05/2023 15:10	6.5	52	6	8.6	0.00	27.8	48
09/05/2023 15:20	6.4	52	8	8.3	0.00	27.7	48
09/05/2023 15:30	6.5	56	8	9.0	0.00	27.7	47
09/05/2023 15:40	6.4	57	9	8.5	0.00	27.7	47
09/05/2023 15:50	6.3	55	7	8.1	0.00	27.7	48
09/05/2023 16:00	6.2	56	7	8.6	0.00	27.6	48
09/05/2023 16:10	5.5	56	9	7.7	0.00	27.7	48
09/05/2023 16:20	6.1	58	7	8.1	0.00	27.6	49
09/05/2023 16:30	5.9	58	6	7.8	0.00	27.6	47



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
09/05/2023 16:40	5.1	58	7	6.8	0.00	27.8	46
09/05/2023 16:50	5.1	59	7	6.7	0.00	27.8	46
09/05/2023 17:00	3.8	60	9	5.5	0.00	27.7	48
09/05/2023 17:10	3.4	65	8	4.6	0.00	27.6	50
09/05/2023 17:20	3.5	64	9	4.9	0.00	27.3	51
09/05/2023 17:30	2.5	61	10	3.7	0.00	26.7	54
09/05/2023 17:40	2.5	59	9	3.5	0.00	26.2	55
09/05/2023 17:50	2.5	64	9	3.5	0.00	25.9	57
09/05/2023 18:00	2.2	60	8	3.4	0.00	25.5	60
09/05/2023 18:10	1.9	62	10	2.6	0.00	25.2	61
09/05/2023 18:20	1.8	54	6	2.5	0.00	24.9	63
09/05/2023 18:30	2.1	50	6	2.8	0.00	24.7	64
09/05/2023 18:40	1.7	51	7	2.8	0.00	24.6	66
09/05/2023 18:50	1.1	62	15	2.0	0.00	24.5	67
09/05/2023 19:00	1.6	52	5	2.0	0.00	24.4	67
09/05/2023 19:10	1.4	53	8	2.0	0.00	24.4	67
09/05/2023 19:20	1.3	61	8	2.1	0.00	24.3	67
09/05/2023 19:30	1.7	53	5	2.3	0.00	24.1	68
09/05/2023 19:40	1.3	55	7	1.8	0.00	24.3	67
09/05/2023 19:50	1.1	56	7	1.6	0.00	24.2	67
09/05/2023 20:00	0.8	79	10	1.0	0.00	24.0	68
09/05/2023 20:10	0.7	90	12	1.0	0.00	24.0	70
09/05/2023 20:20	0.9	70	9	1.2	0.00	24.0	70
09/05/2023 20:30	0.9	70	5	1.1	0.00	23.6	70
09/05/2023 20:40	1.0	75	2	1.1	0.00	23.4	71
09/05/2023 20:50	0.9	81	4	1.1	0.00	23.2	71
09/05/2023 21:00	1.1	70	3	1.2	0.00	23.2	71
09/05/2023 21:10	0.9	82	10	1.2	0.00	23.2	72
09/05/2023 21:20	1.1	57	6	1.4	0.00	23.0	71
09/05/2023 21:30	0.9	79	11	1.3	0.00	22.9	72
09/05/2023 21:40	1.2	80	5	1.4	0.00	23.0	72
09/05/2023 21:50	1.0	90	5	1.1	0.00	23.0	72
09/05/2023 22:00	0.7	117	30	1.1	0.00	22.8	72
09/05/2023 22:10	0.4	36	16	0.5	0.00	22.6	72
09/05/2023 22:20	0.9	50	7	1.1	0.00	22.8	73
09/05/2023 22:30	1.2	60	5	1.3	0.00	22.4	73
09/05/2023 22:40	0.9	70	5	1.1	0.00	22.5	73
09/05/2023 22:50	0.7	81	7	0.8	0.00	22.7	74
09/05/2023 23:00	1.0	88	5	1.3	0.00	22.8	74
09/05/2023 23:10	1.0	98	7	1.2	0.00	22.2	74
09/05/2023 23:20	1.1	94	9	1.4	0.00	22.1	74
09/05/2023 23:30	1.2	69	4	1.4	0.00	22.4	74
09/05/2023 23:40	1.1	64	10	1.4	0.00	22.8	74
09/05/2023 23:50	1.4	49	7	1.9	0.00	23.0	70
10/05/2023 00:00	1.0	63	26	1.6	0.00	22.9	63
10/05/2023 00:10	1.2	83	27	2.1	0.00	22.8	58
10/05/2023 00:20	1.0	57	24	1.7	0.00	22.7	55
10/05/2023 00:30	2.0	96	15	3.6	0.00	22.7	52



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/05/2023 00:40	2.3	114	11	4.0	0.00	22.8	55
10/05/2023 00:50	1.4	123	20	2.0	0.00	22.7	59
10/05/2023 01:00	2.1	106	12	3.4	0.00	22.7	61
10/05/2023 01:10	2.7	106	10	3.9	0.00	22.7	63
10/05/2023 01:20	2.9	108	12	4.5	0.00	22.8	65
10/05/2023 01:30	1.9	113	15	3.3	0.00	22.8	67
10/05/2023 01:40	2.9	106	11	4.7	0.00	22.8	69
10/05/2023 01:50	2.7	104	14	4.3	0.00	23.0	70
10/05/2023 02:00	2.5	108	12	4.3	0.00	23.1	71
10/05/2023 02:10	2.8	101	10	4.3	0.00	23.2	71
10/05/2023 02:20	2.9	102	10	4.3	0.00	23.2	72
10/05/2023 02:30	3.2	101	9	4.5	0.00	23.3	72
10/05/2023 02:40	2.9	105	11	4.7	0.00	23.3	73
10/05/2023 02:50	3.0	95	9	4.3	0.00	23.4	73
10/05/2023 03:00	2.7	99	10	4.0	0.00	23.4	73
10/05/2023 03:10	3.3	96	11	5.0	0.00	23.5	73
10/05/2023 03:20	3.1	100	11	5.1	0.00	23.7	72
10/05/2023 03:30	4.8	93	8	7.5	0.00	23.8	68
10/05/2023 03:40	4.9	96	8	7.5	0.00	24.1	63
10/05/2023 03:50	4.1	102	11	6.3	0.00	24.4	62
10/05/2023 04:00	2.5	113	18	4.9	0.00	23.7	68
10/05/2023 04:10	3.9	105	12	5.6	0.00	23.5	65
10/05/2023 04:20	4.2	98	12	6.6	0.00	23.8	57
10/05/2023 04:30	5.1	92	9	7.3	0.00	24.3	47
10/05/2023 04:40	4.6	97	11	7.0	0.00	24.5	45
10/05/2023 04:50	4.7	102	10	7.2	0.00	24.3	45
10/05/2023 05:00	5.1	101	12	8.4	0.00	24.2	43
10/05/2023 05:10	5.2	102	12	8.2	0.00	24.2	42
10/05/2023 05:20	4.8	104	11	8.0	0.00	24.0	42
10/05/2023 05:30	4.2	105	13	6.2	0.00	23.8	41
10/05/2023 05:40	4.7	107	11	6.8	0.00	23.6	41
10/05/2023 05:50	4.3	108	13	6.7	0.00	23.4	43
10/05/2023 06:00	4.4	106	12	7.2	0.00	23.2	44
10/05/2023 06:10	3.8	108	13	7.1	0.00	23.1	43
10/05/2023 06:20	4.7	107	12	6.9	0.00	23.0	41
10/05/2023 06:30	4.7	107	10	7.6	0.00	23.0	38
10/05/2023 06:40	5.2	109	10	7.7	0.00	23.0	38
10/05/2023 06:50	4.7	106	12	7.0	0.00	22.9	38
10/05/2023 07:00	4.7	105	12	7.2	0.00	23.1	36
10/05/2023 07:10	4.9	105	10	7.2	0.00	23.1	37
10/05/2023 07:20	5.3	108	10	8.1	0.00	23.2	36
10/05/2023 07:30	5.2	105	11	8.5	0.00	23.4	34
10/05/2023 07:40	5.1	101	11	8.0	0.00	23.6	33
10/05/2023 07:50	5.9	103	12	9.2	0.00	23.8	30
10/05/2023 08:00	5.9	101	10	8.6	0.00	24.0	31
10/05/2023 08:10	5.7	105	10	9.0	0.00	23.9	33
10/05/2023 08:20	5.0	107	11	8.2	0.00	23.9	33
10/05/2023 08:30	5.3	106	11	7.8	0.00	23.8	33



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/05/2023 08:40	6.0	107	12	9.5	0.00	24.4	31
10/05/2023 08:50	5.8	103	11	8.2	0.00	24.5	31
10/05/2023 09:00	6.6	98	11	11.3	0.00	24.6	28
10/05/2023 09:10	7.3	99	11	10.8	0.00	24.8	28
10/05/2023 09:20	7.8	95	8	11.4	0.00	24.9	27
10/05/2023 09:30	7.4	96	8	10.5	0.00	25.1	27
10/05/2023 09:40	7.6	95	8	11.4	0.00	25.1	28
10/05/2023 09:50	8.1	96	9	11.8	0.00	24.8	26
10/05/2023 10:00	7.6	96	9	10.9	0.00	24.6	27
10/05/2023 10:10	7.0	96	8	10.1	0.00	24.7	28
10/05/2023 10:20	5.8	97	11	8.5	0.00	25.3	28
10/05/2023 10:30	6.5	97	11	9.2	0.00	25.9	28
10/05/2023 10:40	6.2	92	10	8.7	0.00	25.7	29
10/05/2023 10:50	5.5	93	8	7.5	0.00	25.7	30
10/05/2023 11:00	6.3	93	9	9.0	0.00	25.6	29
10/05/2023 11:10	6.2	94	9	8.9	0.00	25.6	30
10/05/2023 11:20	5.7	97	11	8.4	0.00	25.9	30
10/05/2023 11:30	6.2	91	9	8.8	0.00	25.8	29
10/05/2023 11:40	5.8	89	9	8.4	0.00	25.6	31
10/05/2023 11:50	5.9	85	9	8.4	0.00	25.6	31
10/05/2023 12:00	6.1	81	8	8.2	0.00	25.5	33
10/05/2023 12:10	5.5	85	9	8.1	0.00	25.6	34
10/05/2023 12:20	6.0	86	10	8.2	0.00	25.8	34
10/05/2023 12:30	6.4	84	9	9.2	0.00	25.9	32
10/05/2023 12:40	6.3	78	9	8.5	0.00	25.8	34
10/05/2023 12:50	6.5	79	9	8.9	0.00	25.5	36
10/05/2023 13:00	6.3	78	6	7.9	0.00	25.5	37
10/05/2023 13:10	5.6	87	9	7.7	0.00	25.7	36
10/05/2023 13:20	4.5	99	13	6.6	0.00	25.6	35
10/05/2023 13:30	4.5	87	9	6.4	0.00	25.7	35
10/05/2023 13:40	4.6	80	12	6.1	0.00	25.7	34
10/05/2023 13:50	3.9	86	11	5.6	0.00	25.7	36
10/05/2023 14:00	4.3	75	10	5.9	0.00	25.7	36
10/05/2023 14:10	4.9	76	6	6.2	0.00	25.5	37
10/05/2023 14:20	4.4	67	9	6.3	0.00	25.6	38
10/05/2023 14:30	4.3	60	8	5.9	0.00	25.6	38
10/05/2023 14:40	4.8	60	6	6.3	0.00	25.5	38
10/05/2023 14:50	3.9	61	9	5.6	0.00	25.5	39
10/05/2023 15:00	3.5	57	10	5.0	0.00	25.6	39
10/05/2023 15:10	3.6	63	8	5.1	0.00	25.7	39
10/05/2023 15:20	2.9	65	10	4.5	0.00	25.7	39
10/05/2023 15:30	2.4	59	11	3.3	0.00	25.9	39
10/05/2023 15:40	2.3	59	9	3.7	0.00	25.9	40
10/05/2023 15:50	2.8	61	7	3.9	0.00	25.8	41
10/05/2023 16:00	2.5	72	10	3.6	0.00	26.0	40
10/05/2023 16:10	2.1	75	14	2.9	0.00	26.1	39
10/05/2023 16:20	2.1	82	11	2.9	0.00	26.0	39
10/05/2023 16:30	2.2	88	10	3.4	0.00	26.0	39



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
10/05/2023 16:40	1.9	90	9	2.7	0.00	26.0	40
10/05/2023 16:50	1.9	98	11	2.6	0.00	25.9	40
10/05/2023 17:00	2.3	84	9	3.1	0.00	25.7	41
10/05/2023 17:10	2.4	76	7	3.0	0.00	25.6	43
10/05/2023 17:20	2.2	75	8	2.9	0.00	25.5	43
10/05/2023 17:30	1.8	85	9	2.4	0.00	25.4	44
10/05/2023 17:40	1.5	66	7	2.0	0.00	25.2	45
10/05/2023 17:50	1.5	57	5	1.9	0.00	25.0	47
10/05/2023 18:00	2.1	58	4	2.4	0.00	24.6	50
10/05/2023 18:10	2.1	57	4	2.6	0.00	24.4	51
10/05/2023 18:20	1.2	77	11	1.5	0.00	24.3	51
10/05/2023 18:30	1.3	92	6	1.7	0.00	24.4	50
10/05/2023 18:40	1.6	97	8	2.0	0.00	24.4	53
10/05/2023 18:50	1.5	78	9	2.2	0.00	24.0	55
10/05/2023 19:00	1.4	110	10	1.9	0.00	24.1	57
10/05/2023 19:10	1.5	112	11	2.2	0.00	24.2	63
10/05/2023 19:20	1.7	121	10	2.4	0.00	24.0	65
10/05/2023 19:30	1.9	119	9	2.7	0.00	24.0	61
10/05/2023 19:40	1.9	98	10	2.4	0.00	24.1	62
10/05/2023 19:50	2.0	108	12	2.9	0.00	23.8	67
10/05/2023 20:00	1.3	83	18	2.0	0.00	23.7	70
10/05/2023 20:10	1.2	91	9	1.6	0.00	23.6	71
10/05/2023 20:20	1.8	81	8	2.1	0.00	23.5	72
10/05/2023 20:30	1.6	49	4	1.9	0.00	22.9	71
10/05/2023 20:40	1.4	51	4	1.6	0.00	23.2	67
10/05/2023 20:50	1.4	63	16	1.9	0.00	23.4	65
10/05/2023 21:00	0.9	80	5	1.1	0.00	23.4	66
10/05/2023 21:10	0.9	83	5	1.1	0.00	23.4	68
10/05/2023 21:20	0.9	102	15	1.3	0.00	23.0	68
10/05/2023 21:30	0.7	108	31	1.2	0.00	23.0	70
10/05/2023 21:40	0.3	83	59	0.6	0.00	23.0	70
10/05/2023 21:50	0.4	269	31	0.7	0.00	23.1	71
10/05/2023 22:00	0.3	232	56	0.6	0.00	23.1	71
10/05/2023 22:10	0.4	129	15	0.5	0.00	22.6	70
10/05/2023 22:20	0.3	206	23	0.6	0.00	22.5	71
10/05/2023 22:30	0.6	239	23	1.1	0.00	22.7	71
10/05/2023 22:40	1.3	257	16	1.8	0.00	22.8	69
10/05/2023 22:50	2.1	264	5	2.6	0.00	22.6	68
10/05/2023 23:00	1.5	234	12	2.2	0.00	22.5	66
10/05/2023 23:10	0.5	213	15	0.9	0.00	22.5	65
10/05/2023 23:20	0.6	253	25	1.1	0.00	22.4	62
10/05/2023 23:30	0.7	207	23	1.1	0.00	22.4	60
10/05/2023 23:40	0.4	217	24	0.9	0.00	22.4	59
10/05/2023 23:50	0.7	191	21	1.2	0.00	22.4	58
11/05/2023 00:00	0.6	91	36	1.1	0.00	22.3	58
11/05/2023 00:10	0.4	29	38	0.7	0.00	22.5	56
11/05/2023 00:20	1.3	150	33	2.4	0.00	22.8	52
11/05/2023 00:30	1.6	160	22	2.5	0.00	23.6	48





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
11/05/2023 00:40	1.0	70	18	1.4	0.00	22.8	53
11/05/2023 00:50	0.7	85	24	1.1	0.00	22.3	55
11/05/2023 01:00	0.8	171	25	1.5	0.00	22.4	53
11/05/2023 01:10	0.9	148	16	1.3	0.00	23.0	50
11/05/2023 01:20	0.7	306	36	1.3	0.00	22.7	51
11/05/2023 01:30	0.6	190	50	1.1	0.00	22.6	51
11/05/2023 01:40	1.0	269	18	1.7	0.00	22.6	51
11/05/2023 01:50	0.5	265	46	0.9	0.00	22.1	53
11/05/2023 02:00	0.2	278	68	0.4	0.00	21.8	54
11/05/2023 02:10	0.4	157	41	0.6	0.00	21.7	54
11/05/2023 02:20	1.1	38	13	1.5	0.00	21.7	53
11/05/2023 02:30	1.4	37	3	1.6	0.00	21.5	53
11/05/2023 02:40	0.5	172	20	0.9	0.00	21.5	53
11/05/2023 02:50	0.5	32	16	0.9	0.00	21.5	52
11/05/2023 03:00	1.0	74	13	1.3	0.00	21.5	52
11/05/2023 03:10	0.6	127	18	1.0	0.00	20.7	58
11/05/2023 03:20	0.4	177	42	0.7	0.00	20.9	58
11/05/2023 03:30	0.5	70	34	0.8	0.00	22.1	51
11/05/2023 03:40	0.7	149	17	1.2	0.00	22.0	49
11/05/2023 03:50	0.4	152	43	0.8	0.00	22.5	44
11/05/2023 04:00	0.8	141	19	1.6	0.00	22.6	42
11/05/2023 04:10	1.0	180	11	1.4	0.00	22.9	37
11/05/2023 04:20	1.0	93	18	1.8	0.00	22.8	37
11/05/2023 04:30	1.4	80	15	2.3	0.00	22.8	37
11/05/2023 04:40	1.0	80	17	1.8	0.00	22.6	38
11/05/2023 04:50	1.1	59	17	1.8	0.00	22.7	37
11/05/2023 05:00	1.6	63	6	2.0	0.00	22.3	39
11/05/2023 05:10	2.5	77	5	3.2	0.00	21.6	43
11/05/2023 05:20	1.8	102	12	2.6	0.00	21.4	45
11/05/2023 05:30	1.1	84	27	2.0	0.00	21.9	45
11/05/2023 05:40	1.9	60	8	2.4	0.00	22.1	45
11/05/2023 05:50	1.8	84	5	2.3	0.00	21.7	48
11/05/2023 06:00	1.8	90	9	2.9	0.00	21.2	52
11/05/2023 06:10	1.7	84	7	2.6	0.00	20.7	55
11/05/2023 06:20	1.5	86	9	2.1	0.00	20.6	56
11/05/2023 06:30	1.3	94	11	2.1	0.00	20.7	55
11/05/2023 06:40	1.7	95	12	2.9	0.00	20.7	56
11/05/2023 06:50	1.5	94	14	2.8	0.00	20.7	57
11/05/2023 07:00	1.9	95	10	3.3	0.00	21.1	53
11/05/2023 07:10	2.7	103	14	3.9	0.00	22.6	47
11/05/2023 07:20	2.7	102	11	3.8	0.00	23.2	47
11/05/2023 07:30	2.4	103	12	3.7	0.00	23.5	46
11/05/2023 07:40	2.3	103	14	3.6	0.00	23.6	45
11/05/2023 07:50	1.8	115	27	4.3	0.00	24.2	37
11/05/2023 08:00	2.8	103	15	4.5	0.00	24.3	34
11/05/2023 08:10	2.7	103	13	4.4	0.00	23.9	39
11/05/2023 08:20	3.2	103	12	4.7	0.00	24.0	39
11/05/2023 08:30	3.3	100	10	5.4	0.00	24.5	36



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
11/05/2023 08:40	3.7	105	12	5.5	0.00	24.8	34
11/05/2023 08:50	4.1	109	12	5.9	0.00	24.9	35
11/05/2023 09:00	4.2	104	11	6.1	0.00	25.0	37
11/05/2023 09:10	3.8	107	12	5.6	0.00	25.4	37
11/05/2023 09:20	4.6	105	9	7.3	0.00	26.1	33
11/05/2023 09:30	5.1	103	13	7.9	0.00	26.7	28
11/05/2023 09:40	5.6	100	12	8.4	0.00	26.8	27
11/05/2023 09:50	6.5	96	9	9.1	0.00	26.5	29
11/05/2023 10:00	6.7	93	7	9.4	0.00	26.5	31
11/05/2023 10:10	6.1	91	9	8.8	0.00	26.7	33
11/05/2023 10:20	6.8	87	9	10.5	0.00	26.8	34
11/05/2023 10:30	7.2	85	7	9.3	0.00	26.6	35
11/05/2023 10:40	6.6	86	9	9.5	0.00	26.8	36
11/05/2023 10:50	6.7	86	9	9.4	0.00	26.7	37
11/05/2023 11:00	6.6	88	10	9.4	0.00	26.7	38
11/05/2023 11:10	6.3	92	11	9.3	0.00	26.9	39
11/05/2023 11:20	6.5	94	12	9.0	0.00	26.8	40
11/05/2023 11:30	6.5	93	11	8.9	0.00	27.2	38
11/05/2023 11:40	5.9	91	11	9.0	0.00	27.5	39
11/05/2023 11:50	6.4	88	10	8.8	0.00	27.2	40
11/05/2023 12:00	6.4	87	10	9.3	0.00	27.3	40
11/05/2023 12:10	6.8	88	9	9.8	0.00	27.4	38
11/05/2023 12:20	6.6	86	9	8.7	0.00	27.4	40
11/05/2023 12:30	6.0	85	10	8.2	0.00	27.3	41
11/05/2023 12:40	5.6	87	9	8.8	0.00	27.9	41
11/05/2023 12:50	6.1	87	8	8.2	0.00	27.6	43
11/05/2023 13:00	6.0	83	9	8.2	0.00	27.6	44
11/05/2023 13:10	6.1	81	10	8.9	0.00	28.0	42
11/05/2023 13:20	6.6	78	9	9.3	0.00	27.8	43
11/05/2023 13:30	7.4	73	7	9.5	0.00	27.2	44
11/05/2023 13:40	7.2	77	6	9.1	0.00	27.1	44
11/05/2023 13:50	6.8	83	7	8.8	0.00	27.7	43
11/05/2023 14:00	6.9	62	10	9.6	0.00	27.8	41
11/05/2023 14:10	7.2	60	8	9.8	0.00	27.7	41
11/05/2023 14:20	6.7	62	7	8.9	0.00	27.6	42
11/05/2023 14:30	6.7	60	8	8.6	0.00	27.8	41
11/05/2023 14:40	6.0	62	10	8.0	0.00	27.9	42
11/05/2023 14:50	5.9	52	8	8.8	0.00	27.9	44
11/05/2023 15:00	6.6	58	8	8.7	0.00	27.8	41
11/05/2023 15:10	6.5	56	7	8.9	0.00	27.9	40
11/05/2023 15:20	6.0	56	9	8.4	0.00	28.0	40
11/05/2023 15:30	6.1	56	8	7.7	0.00	27.8	43
11/05/2023 15:40	6.0	61	7	7.8	0.00	27.7	43
11/05/2023 15:50	5.5	59	9	7.4	0.00	27.7	42
11/05/2023 16:00	5.0	61	9	6.9	0.00	27.7	43
11/05/2023 16:10	5.2	59	8	6.6	0.00	27.7	44
11/05/2023 16:20	4.6	60	9	6.5	0.00	27.6	43
11/05/2023 16:30	4.9	54	7	6.4	0.00	27.5	43



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
11/05/2023 16:40	4.5	55	8	6.1	0.00	27.4	45
11/05/2023 16:50	4.1	59	8	5.7	0.00	27.2	47
11/05/2023 17:00	4.0	61	8	5.2	0.00	27.1	48
11/05/2023 17:10	3.7	62	9	5.2	0.00	26.9	48
11/05/2023 17:20	3.1	62	10	4.2	0.00	26.8	49
11/05/2023 17:30	2.8	64	8	3.9	0.00	26.1	52
11/05/2023 17:40	2.3	68	8	2.9	0.00	25.6	54
11/05/2023 17:50	2.1	59	7	2.7	0.00	25.3	57
11/05/2023 18:00	2.0	58	5	2.5	0.00	24.9	59
11/05/2023 18:10	1.9	52	5	2.4	0.00	24.6	60
11/05/2023 18:20	1.8	52	6	2.1	0.00	24.3	61
11/05/2023 18:30	1.6	56	6	2.1	0.00	24.4	60
11/05/2023 18:40	1.3	62	8	1.9	0.00	24.4	60
11/05/2023 18:50	1.1	64	9	1.5	0.00	24.1	62
11/05/2023 19:00	0.9	65	12	1.4	0.00	23.9	63
11/05/2023 19:10	0.7	74	20	1.2	0.00	23.6	64
11/05/2023 19:20	0.7	85	10	1.0	0.00	23.6	65
11/05/2023 19:30	0.8	82	12	1.1	0.00	23.6	65
11/05/2023 19:40	1.0	67	6	1.1	0.00	23.5	65
11/05/2023 19:50	1.0	68	4	1.1	0.00	23.1	66
11/05/2023 20:00	0.9	70	4	1.1	0.00	23.0	67
11/05/2023 20:10	1.0	60	6	1.2	0.00	23.0	67
11/05/2023 20:20	1.2	64	4	1.4	0.00	23.0	67
11/05/2023 20:30	1.1	66	4	1.2	0.00	22.8	68
11/05/2023 20:40	1.0	71	3	1.2	0.00	22.7	69
11/05/2023 20:50	1.0	67	3	1.2	0.00	22.6	70
11/05/2023 21:00	1.0	81	4	1.1	0.00	22.6	71
11/05/2023 21:10	1.1	77	3	1.4	0.00	22.3	71
11/05/2023 21:20	1.2	77	4	1.3	0.00	22.2	72
11/05/2023 21:30	1.2	69	4	1.4	0.00	21.9	73
11/05/2023 21:40	1.3	69	2	1.3	0.00	21.9	73
11/05/2023 21:50	1.2	65	3	1.3	0.00	21.8	73
11/05/2023 22:00	1.3	57	2	1.4	0.00	21.8	74
11/05/2023 22:10	1.2	71	2	1.3	0.00	22.0	74
11/05/2023 22:20	1.2	65	3	1.4	0.00	21.8	74
11/05/2023 22:30	1.2	62	3	1.4	0.00	21.5	74
11/05/2023 22:40	0.9	95	9	1.1	0.00	21.7	74
11/05/2023 22:50	1.1	89	8	1.5	0.00	21.9	74
11/05/2023 23:00	1.1	55	10	1.4	0.00	22.5	74
11/05/2023 23:10	1.2	52	7	1.6	0.00	22.6	72
11/05/2023 23:20	1.5	51	6	1.9	0.00	22.4	70
11/05/2023 23:30	1.2	59	8	1.7	0.00	21.9	68
11/05/2023 23:40	1.3	56	8	1.8	0.00	21.8	66
11/05/2023 23:50	1.2	60	6	1.5	0.00	21.7	64
12/05/2023 00:00	1.1	62	8	1.4	0.00	21.4	63
12/05/2023 00:10	1.1	93	5	1.3	0.00	21.1	61
12/05/2023 00:20	0.6	100	10	0.9	0.00	21.3	59
12/05/2023 00:30	0.7	64	23	1.1	0.00	21.7	58



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/05/2023 00:40	0.6	39	32	1.5	0.00	21.8	59
12/05/2023 00:50	0.6	11	36	1.2	0.00	21.7	60
12/05/2023 01:00	0.9	32	25	1.3	0.00	21.4	62
12/05/2023 01:10	1.0	41	16	1.6	0.00	21.3	65
12/05/2023 01:20	1.0	52	11	1.4	0.00	21.3	69
12/05/2023 01:30	0.8	55	9	1.0	0.00	21.2	71
12/05/2023 01:40	0.6	49	12	0.8	0.00	21.0	72
12/05/2023 01:50	0.9	39	9	1.2	0.00	20.8	73
12/05/2023 02:00	1.0	29	7	1.2	0.00	21.0	73
12/05/2023 02:10	0.6	153	26	0.8	0.00	20.7	73
12/05/2023 02:20	0.8	252	17	1.2	0.00	20.9	73
12/05/2023 02:30	1.5	257	12	2.2	0.00	21.1	71
12/05/2023 02:40	2.0	277	5	2.6	0.00	20.8	70
12/05/2023 02:50	0.6	245	12	1.0	0.00	20.1	71
12/05/2023 03:00	0.5	242	26	1.3	0.00	20.1	70
12/05/2023 03:10	0.5	171	23	1.2	0.00	20.1	69
12/05/2023 03:20	0.5	138	20	1.0	0.00	19.7	70
12/05/2023 03:30	0.6	125	20	1.2	0.00	19.9	65
12/05/2023 03:40	0.5	90	39	1.1	0.00	20.6	59
12/05/2023 03:50	0.6	40	10	0.9	0.00	21.2	54
12/05/2023 04:00	1.0	42	6	1.4	0.00	20.2	58
12/05/2023 04:10	1.5	53	7	1.9	0.00	19.9	58
12/05/2023 04:20	1.2	70	14	1.7	0.00	20.1	56
12/05/2023 04:30	1.2	78	10	1.6	0.00	20.0	56
12/05/2023 04:40	1.1	90	14	1.9	0.00	20.1	55
12/05/2023 04:50	1.3	96	16	2.4	0.00	20.0	55
12/05/2023 05:00	1.5	107	12	2.6	0.00	19.9	57
12/05/2023 05:10	1.6	103	12	2.4	0.00	19.7	59
12/05/2023 05:20	1.9	92	9	2.8	0.00	19.5	62
12/05/2023 05:30	2.3	95	8	3.2	0.00	19.5	64
12/05/2023 05:40	2.6	97	8	3.6	0.00	19.8	63
12/05/2023 05:50	2.6	92	6	3.1	0.00	19.9	63
12/05/2023 06:00	2.7	92	4	3.2	0.00	19.9	65
12/05/2023 06:10	2.7	100	6	3.4	0.00	20.0	66
12/05/2023 06:20	2.6	101	7	3.3	0.00	20.0	66
12/05/2023 06:30	2.5	104	9	3.7	0.00	20.1	65
12/05/2023 06:40	2.1	101	15	3.5	0.00	20.3	63
12/05/2023 06:50	2.6	102	11	3.9	0.00	20.6	59
12/05/2023 07:00	2.4	103	13	3.7	0.00	21.2	56
12/05/2023 07:10	2.1	100	13	3.2	0.00	21.5	55
12/05/2023 07:20	2.4	97	15	3.7	0.00	21.9	55
12/05/2023 07:30	2.7	103	13	4.3	0.00	22.5	50
12/05/2023 07:40	3.1	102	10	4.4	0.00	23.0	48
12/05/2023 07:50	3.2	105	11	4.6	0.00	23.4	46
12/05/2023 08:00	3.6	104	12	5.2	0.00	23.6	44
12/05/2023 08:10	3.4	105	10	5.4	0.00	23.7	42
12/05/2023 08:20	3.6	107	11	5.6	0.00	24.0	42
12/05/2023 08:30	3.6	105	10	5.3	0.00	24.1	41



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/05/2023 08:40	3.7	107	11	6.0	0.00	24.5	37
12/05/2023 08:50	3.4	107	13	5.3	0.00	24.8	38
12/05/2023 09:00	3.2	102	13	4.8	0.00	25.3	37
12/05/2023 09:10	3.4	107	13	5.7	0.00	25.6	39
12/05/2023 09:20	4.5	96	10	6.5	0.00	26.4	33
12/05/2023 09:30	5.5	88	9	7.5	0.00	26.5	33
12/05/2023 09:40	6.1	88	9	7.9	0.00	26.3	32
12/05/2023 09:50	5.7	88	9	8.3	0.00	26.4	33
12/05/2023 10:00	6.4	91	10	8.9	0.00	26.5	32
12/05/2023 10:10	6.7	90	7	8.9	0.00	26.6	33
12/05/2023 10:20	7.3	93	7	9.8	0.00	26.6	34
12/05/2023 10:30	6.1	88	10	8.5	0.00	27.0	34
12/05/2023 10:40	6.9	85	8	9.2	0.00	27.1	34
12/05/2023 10:50	6.3	89	10	8.4	0.00	27.2	36
12/05/2023 11:00	6.5	88	9	9.1	0.00	27.3	36
12/05/2023 11:10	6.5	88	10	9.4	0.00	27.3	39
12/05/2023 11:20	6.9	86	8	9.9	0.00	27.6	38
12/05/2023 11:30	6.5	87	9	9.2	0.00	27.7	37
12/05/2023 11:40	6.2	85	10	10.2	0.00	28.1	35
12/05/2023 11:50	6.7	78	9	9.2	0.00	28.0	34
12/05/2023 12:00	6.9	74	8	9.2	0.00	27.9	34
12/05/2023 12:10	6.7	74	8	9.1	0.00	28.0	34
12/05/2023 12:20	6.9	74	8	9.2	0.00	28.0	34
12/05/2023 12:30	6.5	74	8	9.5	0.00	28.1	34
12/05/2023 12:40	6.9	72	7	9.2	0.00	27.7	35
12/05/2023 12:50	7.0	71	7	8.9	0.00	27.8	34
12/05/2023 13:00	7.4	76	6	9.4	0.00	27.8	31
12/05/2023 13:10	7.4	80	7	10.2	0.00	27.9	32
12/05/2023 13:20	6.8	88	6	10.1	0.00	28.3	32
12/05/2023 13:30							
12/05/2023 13:40							
12/05/2023 13:50							
12/05/2023 14:00							
12/05/2023 14:10							
12/05/2023 14:20							
12/05/2023 14:30							
12/05/2023 14:40							
12/05/2023 14:50							
12/05/2023 15:00							
12/05/2023 15:10							
12/05/2023 15:20							
12/05/2023 15:30							
12/05/2023 15:40							
12/05/2023 15:50							
12/05/2023 16:00							
12/05/2023 16:10							
12/05/2023 16:20							
12/05/2023 16:30							



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
12/05/2023 16:40							
12/05/2023 16:50							
12/05/2023 17:00							
12/05/2023 17:10							
12/05/2023 17:20							
12/05/2023 17:30							
12/05/2023 17:40							
12/05/2023 17:50							
12/05/2023 18:00							
12/05/2023 18:10							
12/05/2023 18:20							
12/05/2023 18:30							
12/05/2023 18:40							
12/05/2023 18:50							
12/05/2023 19:00							
12/05/2023 19:10							
12/05/2023 19:20							
12/05/2023 19:30							
12/05/2023 19:40							
12/05/2023 19:50							
12/05/2023 20:00							
12/05/2023 20:10							
12/05/2023 20:20							
12/05/2023 20:30							
12/05/2023 20:40							
12/05/2023 20:50							
12/05/2023 21:00							
12/05/2023 21:10							
12/05/2023 21:20							
12/05/2023 21:30							
12/05/2023 21:40							
12/05/2023 21:50							
12/05/2023 22:00							
12/05/2023 22:10							
12/05/2023 22:20							
12/05/2023 22:30							
12/05/2023 22:40							
12/05/2023 22:50							
12/05/2023 23:00							
12/05/2023 23:10							
12/05/2023 23:20							
12/05/2023 23:30							
12/05/2023 23:40							
12/05/2023 23:50							
13/05/2023 00:00							
13/05/2023 00:10							
13/05/2023 00:20							
13/05/2023 00:30							



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/05/2023 00:40							
13/05/2023 00:50							
13/05/2023 01:00							
13/05/2023 01:10							
13/05/2023 01:20							
13/05/2023 01:30							
13/05/2023 01:40							
13/05/2023 01:50							
13/05/2023 02:00							
13/05/2023 02:10							
13/05/2023 02:20							
13/05/2023 02:30							
13/05/2023 02:40							
13/05/2023 02:50							
13/05/2023 03:00							
13/05/2023 03:10							
13/05/2023 03:20							
13/05/2023 03:30							
13/05/2023 03:40							
13/05/2023 03:50							
13/05/2023 04:00							
13/05/2023 04:10							
13/05/2023 04:20							
13/05/2023 04:30							
13/05/2023 04:40							
13/05/2023 04:50							
13/05/2023 05:00							
13/05/2023 05:10							
13/05/2023 05:20							
13/05/2023 05:30							
13/05/2023 05:40							
13/05/2023 05:50							
13/05/2023 06:00							
13/05/2023 06:10							
13/05/2023 06:20							
13/05/2023 06:30							
13/05/2023 06:40							
13/05/2023 06:50							
13/05/2023 07:00							
13/05/2023 07:10							
13/05/2023 07:20							
13/05/2023 07:30							
13/05/2023 07:40							
13/05/2023 07:50							
13/05/2023 08:00							
13/05/2023 08:10							
13/05/2023 08:20							
13/05/2023 08:30							



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/05/2023 08:40							
13/05/2023 08:50							
13/05/2023 09:00							
13/05/2023 09:10	2.5	145	12	4.0	0.00	27.0	23
13/05/2023 09:20	2.5	143	14	4.2	0.00	27.3	22
13/05/2023 09:30	2.8	142	15	4.6	0.00	27.8	21
13/05/2023 09:40	2.6	133	16	4.5	0.00	28.1	21
13/05/2023 09:50	3.0	119	18	5.3	0.00	28.5	21
13/05/2023 10:00	3.7	108	11	5.5	0.00	27.9	25
13/05/2023 10:10	3.2	112	14	5.1	0.00	27.7	27
13/05/2023 10:20	3.6	111	13	5.3	0.00	27.8	27
13/05/2023 10:30	4.3	102	11	6.2	0.00	27.8	28
13/05/2023 10:40	5.2	102	11	7.3	0.00	28.0	28
13/05/2023 10:50	6.2	92	8	8.3	0.00	28.3	25
13/05/2023 11:00	5.8	93	9	7.8	0.00	28.3	26
13/05/2023 11:10	5.7	95	10	7.9	0.00	28.0	25
13/05/2023 11:20	5.7	90	9	7.9	0.00	28.4	24
13/05/2023 11:30	5.7	88	9	7.6	0.00	28.2	24
13/05/2023 11:40	5.7	84	8	7.7	0.00	28.2	24
13/05/2023 11:50	6.2	75	8	8.2	0.00	28.3	25
13/05/2023 12:00	6.1	76	8	8.2	0.00	28.3	27
13/05/2023 12:10	6.3	81	8	8.7	0.00	28.2	28
13/05/2023 12:20	6.4	88	7	8.8	0.00	28.1	27
13/05/2023 12:30	5.6	79	8	7.5	0.00	28.3	27
13/05/2023 12:40	5.7	79	12	8.2	0.00	28.1	29
13/05/2023 12:50	5.3	90	11	7.3	0.00	27.9	33
13/05/2023 13:00	5.1	94	11	7.0	0.00	27.7	35
13/05/2023 13:10	5.1	76	10	6.6	0.00	27.7	34
13/05/2023 13:20	5.2	75	6	7.0	0.00	27.2	37
13/05/2023 13:30	5.1	78	8	6.8	0.00	27.2	37
13/05/2023 13:40	4.6	75	8	6.0	0.00	27.3	39
13/05/2023 13:50	3.9	69	7	5.1	0.00	27.4	40
13/05/2023 14:00	3.8	76	9	5.4	0.00	27.7	38
13/05/2023 14:10	4.3	87	7	5.8	0.00	28.0	36
13/05/2023 14:20	4.1	90	10	5.5	0.00	28.1	37
13/05/2023 14:30	3.7	90	10	5.1	0.00	28.0	39
13/05/2023 14:40	3.5	71	10	5.0	0.00	28.1	39
13/05/2023 14:50	4.3	60	8	6.1	0.00	27.8	40
13/05/2023 15:00	4.0	63	10	6.2	0.00	28.0	40
13/05/2023 15:10	4.1	67	9	5.9	0.00	28.0	41
13/05/2023 15:20	4.2	55	12	6.1	0.00	28.2	40
13/05/2023 15:30	4.7	61	7	6.0	0.00	28.1	39
13/05/2023 15:40	4.1	58	9	5.6	0.00	28.2	39
13/05/2023 15:50	4.2	62	8	5.4	0.00	28.3	41
13/05/2023 16:00	4.0	59	8	5.1	0.00	28.3	42
13/05/2023 16:10	3.3	57	9	4.5	0.00	28.5	41
13/05/2023 16:20	3.7	65	8	4.9	0.00	28.6	45
13/05/2023 16:30	3.5	63	9	4.5	0.00	28.3	47





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/05/2023 16:40	3.1	65	9	4.1	0.00	28.5	47
13/05/2023 16:50	3.0	63	7	3.9	0.00	28.3	47
13/05/2023 17:00	2.4	49	9	3.3	0.00	28.5	45
13/05/2023 17:10	3.5	7	12	4.6	0.00	28.2	42
13/05/2023 17:20	3.4	2	8	4.5	0.00	27.8	43
13/05/2023 17:30	3.0	3	8	3.9	0.00	27.3	43
13/05/2023 17:40	3.0	344	8	4.1	0.00	27.0	45
13/05/2023 17:50	2.9	336	10	4.1	0.00	26.4	52
13/05/2023 18:00	3.2	339	7	5.0	0.00	26.1	57
13/05/2023 18:10	3.4	343	10	4.7	0.00	25.6	60
13/05/2023 18:20	3.4	337	9	4.7	0.00	25.5	61
13/05/2023 18:30	3.5	334	10	4.9	0.00	25.3	65
13/05/2023 18:40	1.4	327	34	2.7	0.00	25.0	67
13/05/2023 18:50	0.9	138	56	2.1	0.00	24.8	68
13/05/2023 19:00	1.6	279	22	2.4	0.00	24.7	69
13/05/2023 19:10	1.8	292	11	2.6	0.00	24.7	70
13/05/2023 19:20	1.8	302	15	2.9	0.00	24.6	71
13/05/2023 19:30	1.4	299	15	2.1	0.00	24.6	71
13/05/2023 19:40	1.2	284	20	2.5	0.00	24.4	72
13/05/2023 19:50	1.2	256	11	1.9	0.00	24.2	72
13/05/2023 20:00	1.9	267	10	2.6	0.00	23.9	73
13/05/2023 20:10	2.4	265	5	3.1	0.00	23.8	73
13/05/2023 20:20	1.9	270	6	2.5	0.00	23.5	73
13/05/2023 20:30	2.0	277	9	2.6	0.00	23.7	74
13/05/2023 20:40	2.2	278	7	2.7	0.00	23.8	74
13/05/2023 20:50	3.4	267	7	4.7	0.00	23.7	74
13/05/2023 21:00	2.5	309	11	3.4	0.00	24.0	74
13/05/2023 21:10	2.1	308	10	3.1	0.00	23.9	74
13/05/2023 21:20	1.9	297	7	2.5	0.00	23.8	74
13/05/2023 21:30	1.9	285	7	2.5	0.00	23.8	74
13/05/2023 21:40	1.9	296	9	2.4	0.00	23.8	74
13/05/2023 21:50	1.8	293	10	2.8	0.00	23.7	74
13/05/2023 22:00	2.7	278	8	3.3	0.00	23.7	73
13/05/2023 22:10	2.5	286	9	3.5	0.00	23.8	72
13/05/2023 22:20	2.2	292	10	3.0	0.00	24.1	72
13/05/2023 22:30	2.6	280	8	3.6	0.00	24.0	72
13/05/2023 22:40	2.5	298	9	3.4	0.00	24.1	73
13/05/2023 22:50	2.4	302	7	3.3	0.00	24.2	73
13/05/2023 23:00	2.4	291	10	3.7	0.00	24.1	73
13/05/2023 23:10	2.1	281	7	3.0	0.00	23.9	73
13/05/2023 23:20	2.3	285	8	3.2	0.00	23.8	74
13/05/2023 23:30	1.9	296	10	2.9	0.00	23.8	74
13/05/2023 23:40	1.7	290	6	2.2	0.00	23.8	74
13/05/2023 23:50	1.6	289	8	2.4	0.00	23.7	74
14/05/2023 00:00	1.4	290	7	1.9	0.00	23.6	74
14/05/2023 00:10	1.6	289	7	2.3	0.00	23.8	74
14/05/2023 00:20	1.5	289	7	1.8	0.00	23.7	74
14/05/2023 00:30	1.5	294	8	2.0	0.00	23.4	74



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/05/2023 00:40	1.5	289	12	2.2	0.00	23.5	74
14/05/2023 00:50	1.4	290	11	2.2	0.00	23.4	74
14/05/2023 01:00	1.5	260	13	1.9	0.00	22.8	74
14/05/2023 01:10	1.0	257	12	1.3	0.00	22.5	72
14/05/2023 01:20	1.3	282	10	1.6	0.00	22.9	70
14/05/2023 01:30	1.1	248	15	1.5	0.00	22.5	70
14/05/2023 01:40	1.3	280	7	1.6	0.00	22.3	68
14/05/2023 01:50	1.3	296	6	1.6	0.00	22.3	66
14/05/2023 02:00	1.2	283	15	1.5	0.00	22.8	66
14/05/2023 02:10	0.7	258	31	1.2	0.00	22.2	67
14/05/2023 02:20	0.5	64	50	0.9	0.00	21.8	66
14/05/2023 02:30	0.4	31	49	0.8	0.00	21.3	65
14/05/2023 02:40	0.3	223	46	0.6	0.00	21.5	62
14/05/2023 02:50	0.6	192	23	1.0	0.00	21.5	61
14/05/2023 03:00	0.5	272	19	0.9	0.00	21.7	58
14/05/2023 03:10	0.4	274	25	0.7	0.00	21.7	58
14/05/2023 03:20	0.4	26	29	0.7	0.00	21.7	57
14/05/2023 03:30	0.8	262	28	1.3	0.00	21.6	58
14/05/2023 03:40	1.0	269	19	1.5	0.00	21.7	58
14/05/2023 03:50	1.4	259	15	2.2	0.00	21.6	60
14/05/2023 04:00	1.4	270	13	2.1	0.00	21.7	59
14/05/2023 04:10	1.2	271	15	2.0	0.00	21.9	60
14/05/2023 04:20	1.6	274	12	2.6	0.00	21.6	62
14/05/2023 04:30	1.5	244	27	2.6	0.00	21.9	66
14/05/2023 04:40	1.3	222	18	2.3	0.00	22.1	72
14/05/2023 04:50	0.6	179	40	1.6	0.00	21.6	73
14/05/2023 05:00	1.5	173	25	3.2	0.00	20.8	69
14/05/2023 05:10	1.4	188	25	2.6	0.00	21.2	59
14/05/2023 05:20	1.0	205	34	2.1	0.00	21.4	51
14/05/2023 05:30	1.3	186	29	2.8	0.00	21.5	48
14/05/2023 05:40	1.4	175	21	3.1	0.00	21.9	46
14/05/2023 05:50	0.8	170	60	1.9	0.00	22.0	45
14/05/2023 06:00	0.6	317	60	0.9	0.00	21.9	45
14/05/2023 06:10	0.8	48	35	1.6	0.00	21.9	45
14/05/2023 06:20	1.2	90	22	2.1	0.00	21.7	46
14/05/2023 06:30	1.7	92	14	2.7	0.00	21.4	46
14/05/2023 06:40	1.5	87	11	2.4	0.00	21.0	49
14/05/2023 06:50	2.0	94	13	3.0	0.00	20.8	52
14/05/2023 07:00	2.6	99	9	3.7	0.00	21.1	53
14/05/2023 07:10	2.7	105	11	3.8	0.00	21.9	52
14/05/2023 07:20	2.1	110	14	3.6	0.00	22.5	52
14/05/2023 07:30	2.1	110	14	3.6	0.00	22.9	50
14/05/2023 07:40	2.6	108	13	4.2	0.00	23.1	50
14/05/2023 07:50	3.1	103	10	4.5	0.00	23.3	52
14/05/2023 08:00	3.5	100	9	4.9	0.00	23.6	48
14/05/2023 08:10	4.0	98	9	5.6	0.00	23.8	47
14/05/2023 08:20	4.2	99	9	6.1	0.00	24.2	45
14/05/2023 08:30	4.4	98	8	6.0	0.00	24.4	46



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/05/2023 08:40	4.5	93	7	6.2	0.00	24.7	46
14/05/2023 08:50	5.6	89	7	7.5	0.00	25.1	45
14/05/2023 09:00	6.6	90	6	9.0	0.00	25.3	43
14/05/2023 09:10	5.6	86	8	8.0	0.00	25.5	43
14/05/2023 09:20	5.5	89	7	7.6	0.00	25.5	42
14/05/2023 09:30	5.4	96	9	7.5	0.00	25.5	41
14/05/2023 09:40	5.2	92	8	7.5	0.00	25.8	42
14/05/2023 09:50	5.1	101	11	7.5	0.00	26.2	40
14/05/2023 10:00	5.0	103	11	7.4	0.00	26.8	36
14/05/2023 10:10	5.0	101	10	7.2	0.00	26.9	35
14/05/2023 10:20	5.2	99	11	8.2	0.00	27.0	37
14/05/2023 10:30	4.9	104	11	7.3	0.00	27.2	37
14/05/2023 10:40	4.8	107	10	6.8	0.00	27.3	36
14/05/2023 10:50	5.1	103	11	7.7	0.00	27.6	34
14/05/2023 11:00	4.4	100	11	6.5	0.00	27.9	34
14/05/2023 11:10	4.4	100	12	6.2	0.00	27.7	36
14/05/2023 11:20	4.5	93	11	6.4	0.00	27.9	36
14/05/2023 11:30	5.1	86	10	6.4	0.00	28.1	36
14/05/2023 11:40	4.8	92	11	6.8	0.00	28.6	34
14/05/2023 11:50	4.9	95	11	6.7	0.00	28.9	32
14/05/2023 12:00	4.9	90	11	6.8	0.00	29.2	31
14/05/2023 12:10	4.9	80	12	6.6	0.00	29.3	30
14/05/2023 12:20	4.5	77	12	6.5	0.00	29.6	30
14/05/2023 12:30	4.8	79	9	7.2	0.00	29.5	29
14/05/2023 12:40	4.8	82	9	6.7	0.00	29.3	30
14/05/2023 12:50	4.6	77	8	6.2	0.00	29.3	29
14/05/2023 13:00	4.5	84	8	5.7	0.00	29.3	30
14/05/2023 13:10	4.3	79	10	5.6	0.00	29.3	30
14/05/2023 13:20	4.3	79	15	6.2	0.00	29.7	30
14/05/2023 13:30	4.0	81	13	5.6	0.00	30.4	28
14/05/2023 13:40	4.2	55	12	5.8	0.00	29.7	31
14/05/2023 13:50	4.1	54	12	5.5	0.00	29.7	33
14/05/2023 14:00	3.7	67	11	5.5	0.00	30.0	31
14/05/2023 14:10	4.3	56	7	5.4	0.00	29.9	31
14/05/2023 14:20	4.0	51	12	5.6	0.00	30.2	31
14/05/2023 14:30	3.9	52	7	5.3	0.00	30.4	30
14/05/2023 14:40	3.9	46	11	5.4	0.00	30.1	30
14/05/2023 14:50	3.0	160	39	5.4	0.00	30.0	34
14/05/2023 15:00	4.1	261	14	5.6	0.00	29.4	42
14/05/2023 15:10	5.8	253	9	7.1	0.00	28.7	46
14/05/2023 15:20	5.0	267	11	6.7	0.00	28.6	44
14/05/2023 15:30	5.7	266	9	7.2	0.00	28.5	45
14/05/2023 15:40	6.3	263	6	8.1	0.00	27.9	45
14/05/2023 15:50	5.4	267	8	7.2	0.00	28.1	45
14/05/2023 16:00	5.0	273	9	7.1	0.00	28.2	46
14/05/2023 16:10	5.4	264	8	7.0	0.00	27.7	50
14/05/2023 16:20	6.0	266	6	7.8	0.00	27.2	50
14/05/2023 16:30	6.1	262	6	7.9	0.00	26.8	53



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/05/2023 16:40	5.7	263	8	7.9	0.00	26.8	54
14/05/2023 16:50	5.7	265	7	7.8	0.00	26.5	55
14/05/2023 17:00	6.1	263	7	8.2	0.00	26.5	55
14/05/2023 17:10	5.4	266	8	7.7	0.00	26.3	55
14/05/2023 17:20	5.1	266	6	7.1	0.00	26.1	56
14/05/2023 17:30	5.4	264	6	7.0	0.00	25.6	59
14/05/2023 17:40	5.2	267	5	7.1	0.00	25.4	59
14/05/2023 17:50	5.0	263	6	6.7	0.00	25.2	63
14/05/2023 18:00	4.2	267	7	5.7	0.00	25.0	62
14/05/2023 18:10	3.8	269	7	5.5	0.00	25.0	61
14/05/2023 18:20	4.0	265	8	6.2	0.00	24.9	64
14/05/2023 18:30	4.8	265	7	6.4	0.00	24.8	64
14/05/2023 18:40	4.2	274	6	5.6	0.00	24.8	63
14/05/2023 18:50	2.8	282	8	4.3	0.00	24.6	64
14/05/2023 19:00	3.3	278	6	4.6	0.00	24.5	64
14/05/2023 19:10	3.1	279	8	4.2	0.00	24.5	62
14/05/2023 19:20	3.5	277	5	4.6	0.00	24.5	63
14/05/2023 19:30	3.9	274	5	4.7	0.00	24.3	64
14/05/2023 19:40	4.1	277	5	5.8	0.00	24.4	65
14/05/2023 19:50	3.9	272	5	5.1	0.00	24.3	67
14/05/2023 20:00	3.9	274	6	5.0	0.00	24.4	68
14/05/2023 20:10	4.1	271	4	6.0	0.00	24.4	69
14/05/2023 20:20	3.4	272	6	4.7	0.00	24.3	70
14/05/2023 20:30	4.1	264	6	5.6	0.00	24.4	69
14/05/2023 20:40	3.4	265	8	4.8	0.00	24.3	70
14/05/2023 20:50	3.0	268	6	4.4	0.00	24.0	69
14/05/2023 21:00	2.9	265	7	3.9	0.00	24.0	68
14/05/2023 21:10	2.4	269	6	2.9	0.00	23.9	69
14/05/2023 21:20	2.2	268	7	2.9	0.00	23.5	70
14/05/2023 21:30	2.5	234	20	3.7	0.00	23.7	70
14/05/2023 21:40	2.6	255	8	3.4	0.00	23.5	69
14/05/2023 21:50	3.0	261	4	4.0	0.00	23.2	70
14/05/2023 22:00	3.5	267	3	3.9	0.00	22.9	71
14/05/2023 22:10	2.8	280	6	3.5	0.00	22.9	70
14/05/2023 22:20	2.7	274	5	3.0	0.00	23.0	70
14/05/2023 22:30	2.7	274	4	3.2	0.00	22.9	69
14/05/2023 22:40	2.6	268	4	3.2	0.00	22.7	70
14/05/2023 22:50	2.1	280	7	2.5	0.00	22.6	72
14/05/2023 23:00	1.0	312	20	1.7	0.00	22.4	72
14/05/2023 23:10	0.5	201	32	1.0	0.00	22.3	73
14/05/2023 23:20	0.8	300	33	1.4	0.00	22.9	71
14/05/2023 23:30	0.8	256	78	1.4	0.00	22.4	71
14/05/2023 23:40	0.3	146	85	0.9	0.00	22.0	72
14/05/2023 23:50	0.6	196	65	1.3	0.00	21.6	72
15/05/2023 00:00	0.9	145	12	1.4	0.00	21.1	73
15/05/2023 00:10	1.1	106	14	1.6	0.00	21.0	73
15/05/2023 00:20	1.2	104	24	2.2	0.00	20.8	74
15/05/2023 00:30	2.1	109	15	3.2	0.00	20.7	73



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/05/2023 00:40	2.3	110	15	3.9	0.00	21.3	73
15/05/2023 00:50	2.7	109	12	4.1	0.00	21.1	72
15/05/2023 01:00	2.4	106	13	3.4	0.00	21.3	70
15/05/2023 01:10	3.3	103	10	5.0	0.00	21.9	66
15/05/2023 01:20	3.6	104	11	5.7	0.00	22.6	60
15/05/2023 01:30	3.8	105	12	6.1	0.00	22.7	59
15/05/2023 01:40	5.1	98	10	8.3	0.00	23.2	51
15/05/2023 01:50	5.2	96	8	7.4	0.00	23.4	49
15/05/2023 02:00	5.4	96	10	8.5	0.00	23.6	47
15/05/2023 02:10	5.8	97	10	9.7	0.00	23.8	42
15/05/2023 02:20	6.5	99	11	10.2	0.00	24.0	40
15/05/2023 02:30	7.4	97	10	11.0	0.00	24.1	38
15/05/2023 02:40	7.5	97	8	11.0	0.00	24.1	39
15/05/2023 02:50	8.4	95	8	11.8	0.00	24.1	37
15/05/2023 03:00	8.2	96	10	11.9	0.00	24.2	36
15/05/2023 03:10	8.4	96	8	12.8	0.00	24.0	36
15/05/2023 03:20	8.1	95	8	11.5	0.00	23.8	37
15/05/2023 03:30	7.8	93	8	12.9	0.00	23.6	37
15/05/2023 03:40	7.7	92	8	10.9	0.00	23.4	39
15/05/2023 03:50	7.8	96	8	11.8	0.00	23.4	37
15/05/2023 04:00	7.2	98	10	11.2	0.00	23.3	37
15/05/2023 04:10	7.3	95	8	10.4	0.00	23.2	37
15/05/2023 04:20	7.4	94	7	10.1	0.00	23.0	36
15/05/2023 04:30	7.1	98	8	10.7	0.00	22.9	37
15/05/2023 04:40	6.5	97	8	9.3	0.00	22.7	38
15/05/2023 04:50	6.8	95	8	10.1	0.00	22.6	39
15/05/2023 05:00	6.8	99	10	10.5	0.00	22.5	38
15/05/2023 05:10	7.3	98	9	11.4	0.00	22.4	38
15/05/2023 05:20	7.4	96	9	10.3	0.00	22.3	38
15/05/2023 05:30	6.9	99	9	11.0	0.00	22.2	39
15/05/2023 05:40	7.6	96	9	10.9	0.00	22.2	39
15/05/2023 05:50	6.5	101	10	10.0	0.00	22.1	39
15/05/2023 06:00	6.5	100	9	9.9	0.00	22.0	40
15/05/2023 06:10	7.0	101	11	10.0	0.00	21.9	39
15/05/2023 06:20	6.7	100	9	11.2	0.00	21.8	39
15/05/2023 06:30	6.7	101	10	9.9	0.00	21.7	39
15/05/2023 06:40	7.6	98	9	10.8	0.00	21.7	39
15/05/2023 06:50	7.0	100	10	10.4	0.00	21.7	38
15/05/2023 07:00	7.2	98	9	11.1	0.00	21.8	39
15/05/2023 07:10	7.8	96	9	10.9	0.00	21.9	39
15/05/2023 07:20	8.2	95	8	11.6	0.00	22.0	38
15/05/2023 07:30	7.5	99	8	11.0	0.00	22.1	39
15/05/2023 07:40	7.9	98	9	11.1	0.00	22.1	39
15/05/2023 07:50	7.6	98	10	11.9	0.00	22.2	39
15/05/2023 08:00	9.0	94	9	13.8	0.00	22.2	37
15/05/2023 08:10	8.5	95	8	12.1	0.00	22.3	38
15/05/2023 08:20	9.7	94	8	15.2	0.00	22.4	37
15/05/2023 08:30	8.7	95	9	12.8	0.00	22.5	37



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/05/2023 08:40	8.1	98	10	12.1	0.00	22.7	38
15/05/2023 08:50	8.6	97	9	11.6	0.00	22.7	36
15/05/2023 09:00	7.3	100	12	10.4	0.00	23.0	38
15/05/2023 09:10	8.1	96	8	11.7	0.00	23.0	37
15/05/2023 09:20	6.9	100	11	11.1	0.00	23.3	37
15/05/2023 09:30	7.9	99	10	11.6	0.00	23.3	36
15/05/2023 09:40	7.7	103	12	12.1	0.00	23.5	34
15/05/2023 09:50	7.7	102	12	11.3	0.00	23.5	34
15/05/2023 10:00	7.3	102	12	11.2	0.00	23.7	35
15/05/2023 10:10	7.5	95	10	10.2	0.00	24.0	35
15/05/2023 10:20	7.9	94	9	11.6	0.00	24.1	35
15/05/2023 10:30	7.2	91	9	10.1	0.00	24.6	34
15/05/2023 10:40	7.5	97	10	10.4	0.00	24.8	34
15/05/2023 10:50	7.4	91	9	11.2	0.00	25.4	34
15/05/2023 11:00	7.7	88	9	10.6	0.00	25.4	33
15/05/2023 11:10	8.1	87	8	11.0	0.00	25.4	33
15/05/2023 11:20	8.0	86	7	10.8	0.00	25.4	35
15/05/2023 11:30	8.0	86	9	11.0	0.00	25.6	34
15/05/2023 11:40	8.5	82	9	11.3	0.00	25.7	33
15/05/2023 11:50	8.2	84	8	11.5	0.00	25.7	33
15/05/2023 12:00	8.3	75	8	10.7	0.00	25.8	33
15/05/2023 12:10	8.6	76	8	11.4	0.00	25.7	33
15/05/2023 12:20	8.6	77	8	11.5	0.00	25.7	33
15/05/2023 12:30	8.9	73	6	11.0	0.00	25.6	34
15/05/2023 12:40	8.6	73	6	10.8	0.00	25.6	36
15/05/2023 12:50	8.5	76	6	10.5	0.00	25.5	35
15/05/2023 13:00	8.1	80	8	10.7	0.00	25.7	37
15/05/2023 13:10	8.3	78	8	10.8	0.00	25.6	36
15/05/2023 13:20	7.7	80	8	10.5	0.00	25.8	35
15/05/2023 13:30	6.8	83	9	9.4	0.00	26.5	35
15/05/2023 13:40	7.2	81	11	9.6	0.00	26.4	36
15/05/2023 13:50	7.1	86	7	9.5	0.00	26.2	36
15/05/2023 14:00	6.5	76	9	8.7	0.00	26.3	37
15/05/2023 14:10	6.3	75	9	8.7	0.00	26.2	37
15/05/2023 14:20	6.2	78	11	8.9	0.00	26.2	37
15/05/2023 14:30	6.3	76	9	8.4	0.00	26.2	37
15/05/2023 14:40	5.6	82	12	7.5	0.00	26.6	36
15/05/2023 14:50	5.7	75	10	8.0	0.00	26.5	36
15/05/2023 15:00	6.0	78	7	8.1	0.00	26.2	37
15/05/2023 15:10	5.0	68	9	6.8	0.00	26.7	36
15/05/2023 15:20	5.4	61	8	7.5	0.00	26.6	35
15/05/2023 15:30	5.0	59	8	7.5	0.00	26.6	35
15/05/2023 15:40	4.8	63	8	6.8	0.00	26.7	35
15/05/2023 15:50	4.8	58	9	6.9	0.00	26.7	35
15/05/2023 16:00	5.2	58	7	7.4	0.00	26.6	35
15/05/2023 16:10	4.7	57	8	6.2	0.00	26.5	36
15/05/2023 16:20	4.7	59	8	6.1	0.00	26.7	35
15/05/2023 16:30	4.1	59	9	5.4	0.00	26.7	36



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/05/2023 16:40	3.9	53	8	5.8	0.00	26.5	37
15/05/2023 16:50	3.6	57	8	5.0	0.00	26.4	37
15/05/2023 17:00	3.8	54	7	5.3	0.00	26.2	39
15/05/2023 17:10	3.7	49	7	4.9	0.00	25.9	40
15/05/2023 17:20	3.6	50	7	4.8	0.00	25.5	40
15/05/2023 17:30	3.0	50	6	4.0	0.00	24.9	42
15/05/2023 17:40	2.7	44	5	3.6	0.00	24.5	41
15/05/2023 17:50	2.4	46	5	3.0	0.00	24.2	40
15/05/2023 18:00	2.3	38	4	2.9	0.00	24.1	40
15/05/2023 18:10	2.4	40	4	2.8	0.00	24.2	36
15/05/2023 18:20	2.1	41	4	2.6	0.00	24.2	35
15/05/2023 18:30	1.4	41	5	1.6	0.00	23.9	34
15/05/2023 18:40	1.5	183	13	2.1	0.00	23.8	35
15/05/2023 18:50	2.6	349	7	3.3	0.00	24.2	41
15/05/2023 19:00	2.6	350	7	3.6	0.00	24.2	43
15/05/2023 19:10	2.8	345	7	3.7	0.00	24.1	47
15/05/2023 19:20	3.1	340	7	4.1	0.00	24.1	49
15/05/2023 19:30	3.5	354	6	4.2	0.00	24.1	51
15/05/2023 19:40	3.6	353	7	4.7	0.00	24.0	53
15/05/2023 19:50	3.3	348	7	4.4	0.00	24.0	53
15/05/2023 20:00	3.1	348	7	4.5	0.00	23.9	52
15/05/2023 20:10	3.1	345	7	4.4	0.00	23.9	50
15/05/2023 20:20	3.0	348	8	4.1	0.00	24.0	48
15/05/2023 20:30	2.2	342	17	3.8	0.00	23.9	49
15/05/2023 20:40	0.7	330	55	1.7	0.00	23.4	51
15/05/2023 20:50	0.8	206	48	1.5	0.00	23.3	54
15/05/2023 21:00	1.2	232	19	1.9	0.00	22.7	57
15/05/2023 21:10	2.5	264	10	3.1	0.00	22.5	59
15/05/2023 21:20	2.7	265	8	3.5	0.00	22.1	61
15/05/2023 21:30	2.0	278	9	2.6	0.00	22.3	62
15/05/2023 21:40	2.2	284	10	3.3	0.00	22.5	62
15/05/2023 21:50	2.1	305	11	3.0	0.00	22.3	63
15/05/2023 22:00	2.5	293	8	3.0	0.00	22.5	63
15/05/2023 22:10	2.4	295	9	3.0	0.00	22.6	64
15/05/2023 22:20	2.3	276	6	2.8	0.00	22.6	64
15/05/2023 22:30	2.6	263	6	3.2	0.00	21.9	66
15/05/2023 22:40	1.0	230	43	2.3	0.00	21.8	66
15/05/2023 22:50	0.8	246	48	1.8	0.00	21.7	67
15/05/2023 23:00	1.7	261	12	2.7	0.00	21.4	69
15/05/2023 23:10	1.9	279	8	2.5	0.00	21.0	70
15/05/2023 23:20	0.5	33	67	1.2	0.00	20.9	70
15/05/2023 23:30	0.5	177	49	1.1	0.00	20.8	69
15/05/2023 23:40	0.3	29	78	0.9	0.00	20.7	68
15/05/2023 23:50	0.5	105	44	0.9	0.00	20.8	67
16/05/2023 00:00	0.9	205	29	1.8	0.00	21.3	64
16/05/2023 00:10	0.7	250	27	1.7	0.00	21.5	62
16/05/2023 00:20	0.9	202	24	1.8	0.00	21.5	62
16/05/2023 00:30	1.3	168	21	2.6	0.00	21.7	60



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/05/2023 00:40	0.8	86	55	1.3	0.00	21.5	60
16/05/2023 00:50	0.7	267	48	1.6	0.00	21.6	59
16/05/2023 01:00	1.0	161	28	2.1	0.00	21.7	58
16/05/2023 01:10	0.4	171	84	0.9	0.00	21.4	59
16/05/2023 01:20	0.5	87	73	1.2	0.00	21.3	60
16/05/2023 01:30	0.5	80	55	1.4	0.00	21.2	60
16/05/2023 01:40	0.6	38	19	1.0	0.00	21.2	60
16/05/2023 01:50	0.7	29	19	1.2	0.00	21.0	60
16/05/2023 02:00	0.7	344	19	1.2	0.00	20.9	61
16/05/2023 02:10	1.0	75	20	1.5	0.00	20.3	62
16/05/2023 02:20	1.0	163	20	1.8	0.00	20.5	63
16/05/2023 02:30	0.6	126	22	1.0	0.00	20.9	61
16/05/2023 02:40	0.9	44	7	1.3	0.00	20.4	63
16/05/2023 02:50	1.7	65	12	2.1	0.00	19.6	64
16/05/2023 03:00	1.6	84	16	2.7	0.00	19.6	63
16/05/2023 03:10	1.4	107	12	2.2	0.00	19.5	62
16/05/2023 03:20	1.1	96	12	1.9	0.00	19.8	62
16/05/2023 03:30	1.2	84	13	1.8	0.00	19.8	61
16/05/2023 03:40	1.1	89	22	1.6	0.00	19.8	62
16/05/2023 03:50	0.7	91	33	1.3	0.00	20.1	61
16/05/2023 04:00	0.6	161	50	1.7	0.00	20.4	60
16/05/2023 04:10	0.6	39	40	1.4	0.00	20.4	59
16/05/2023 04:20	0.7	131	63	2.0	0.00	20.2	59
16/05/2023 04:30	2.0	144	22	3.7	0.00	21.0	51
16/05/2023 04:40	1.7	141	17	3.4	0.00	21.9	45
16/05/2023 04:50	1.5	109	15	2.5	0.00	21.0	48
16/05/2023 05:00	1.6	111	19	2.6	0.00	20.5	48
16/05/2023 05:10	1.6	136	19	2.8	0.00	20.7	47
16/05/2023 05:20	1.7	113	17	3.0	0.00	20.4	48
16/05/2023 05:30	1.9	108	17	3.1	0.00	20.3	52
16/05/2023 05:40	1.9	108	16	3.0	0.00	20.3	53
16/05/2023 05:50	1.8	113	19	2.9	0.00	20.4	54
16/05/2023 06:00	1.9	123	26	4.3	0.00	20.5	54
16/05/2023 06:10	2.7	111	15	4.7	0.00	20.7	53
16/05/2023 06:20	3.0	109	12	4.7	0.00	21.0	52
16/05/2023 06:30	2.3	111	13	3.5	0.00	20.8	54
16/05/2023 06:40	1.9	115	15	3.5	0.00	20.7	54
16/05/2023 06:50	2.2	109	13	3.8	0.00	20.8	52
16/05/2023 07:00	2.3	113	14	3.3	0.00	21.1	51
16/05/2023 07:10	2.2	110	10	3.4	0.00	21.3	50
16/05/2023 07:20	2.3	108	10	3.4	0.00	21.7	50
16/05/2023 07:30	2.3	112	11	3.4	0.00	22.0	49
16/05/2023 07:40	3.1	110	10	4.3	0.00	22.2	48
16/05/2023 07:50	3.6	109	9	5.0	0.00	22.5	46
16/05/2023 08:00	3.8	109	9	5.1	0.00	22.6	46
16/05/2023 08:10	3.8	109	9	5.3	0.00	22.5	46
16/05/2023 08:20	4.2	107	10	5.8	0.00	22.6	46
16/05/2023 08:30	4.2	111	10	6.0	0.00	22.6	47





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/05/2023 08:40	3.8	107	11	5.6	0.00	22.9	45
16/05/2023 08:50	3.4	111	12	5.3	0.00	23.1	44
16/05/2023 09:00	3.3	112	15	5.3	0.00	23.3	42
16/05/2023 09:10	3.3	109	16	5.4	0.00	23.4	40
16/05/2023 09:20	3.6	107	12	6.0	0.00	23.7	38
16/05/2023 09:30	3.4	105	13	5.3	0.00	23.8	39
16/05/2023 09:40	3.1	113	16	4.9	0.00	24.1	40
16/05/2023 09:50	2.8	119	21	4.3	0.00	24.3	40
16/05/2023 10:00	2.6	120	20	4.3	0.00	24.7	38
16/05/2023 10:10	2.8	122	21	4.2	0.00	24.9	38
16/05/2023 10:20	2.9	99	13	4.2	0.00	25.0	38
16/05/2023 10:30	2.4	115	21	4.0	0.00	25.3	39
16/05/2023 10:40	3.0	128	17	4.5	0.00	25.4	38
16/05/2023 10:50	2.8	106	16	4.5	0.00	25.8	37
16/05/2023 11:00	2.8	108	16	4.1	0.00	26.2	36
16/05/2023 11:10	2.8	105	15	4.4	0.00	26.6	34
16/05/2023 11:20	3.0	113	18	4.5	0.00	26.9	33
16/05/2023 11:30	3.4	98	13	5.6	0.00	27.2	30
16/05/2023 11:40	4.0	79	10	5.9	0.00	26.6	32
16/05/2023 11:50	3.9	90	10	5.5	0.00	26.9	32
16/05/2023 12:00	4.3	64	10	6.3	0.00	27.3	32
16/05/2023 12:10	3.9	57	10	5.3	0.00	26.6	33
16/05/2023 12:20	3.8	59	11	5.7	0.00	27.0	32
16/05/2023 12:30	3.1	46	19	4.6	0.00	27.2	31
16/05/2023 12:40	3.1	54	14	4.9	0.00	27.5	29
16/05/2023 12:50	3.0	59	14	5.0	0.00	27.7	29
16/05/2023 13:00	3.1	58	13	4.8	0.00	27.6	31
16/05/2023 13:10	2.8	58	14	4.8	0.00	27.9	29
16/05/2023 13:20	2.9	50	18	4.9	0.00	27.7	31
16/05/2023 13:30	3.0	61	16	4.7	0.00	27.9	31
16/05/2023 13:40	2.9	55	16	4.5	0.00	28.1	29
16/05/2023 13:50	2.8	65	14	4.5	0.00	28.1	30
16/05/2023 14:00	2.7	49	17	4.0	0.00	28.2	30
16/05/2023 14:10	2.1	55	18	3.6	0.00	28.4	29
16/05/2023 14:20	2.6	67	19	4.6	0.00	28.6	28
16/05/2023 14:30	2.5	44	22	3.7	0.00	28.8	28
16/05/2023 14:40	3.2	58	16	5.4	0.00	28.9	27
16/05/2023 14:50	3.4	62	14	5.1	0.00	28.8	27
16/05/2023 15:00	3.4	57	15	4.7	0.00	28.7	26
16/05/2023 15:10	3.9	62	11	6.0	0.00	28.7	26
16/05/2023 15:20	4.7	77	13	6.3	0.00	28.5	25
16/05/2023 15:30	4.4	62	12	6.9	0.00	28.3	25
16/05/2023 15:40	4.3	61	9	6.0	0.00	27.9	25
16/05/2023 15:50	4.2	55	10	6.0	0.00	27.6	26
16/05/2023 16:00	3.6	63	11	5.1	0.00	27.7	27
16/05/2023 16:10	3.2	58	13	4.4	0.00	27.4	29
16/05/2023 16:20	3.0	59	13	4.6	0.00	27.6	30
16/05/2023 16:30	3.2	54	11	4.7	0.00	27.1	33



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/05/2023 16:40	2.6	55	12	4.6	0.00	27.1	35
16/05/2023 16:50	2.7	47	8	3.8	0.00	26.8	36
16/05/2023 17:00	2.5	38	9	3.5	0.00	26.6	38
16/05/2023 17:10	2.3	36	8	3.1	0.00	26.2	43
16/05/2023 17:20	2.2	34	8	2.9	0.00	26.0	40
16/05/2023 17:30	1.9	41	7	3.0	0.00	25.5	39
16/05/2023 17:40	1.9	192	14	2.8	0.00	25.2	37
16/05/2023 17:50	1.3	28	13	1.9	0.00	25.2	34
16/05/2023 18:00	1.5	27	12	2.4	0.00	25.1	29
16/05/2023 18:10	0.9	184	13	1.7	0.00	25.1	34
16/05/2023 18:20	1.2	7	22	2.0	0.00	25.2	33
16/05/2023 18:30	1.0	11	18	1.8	0.00	25.2	32
16/05/2023 18:40	0.9	183	14	1.4	0.00	24.8	33
16/05/2023 18:50	0.9	329	16	1.2	0.00	24.5	35
16/05/2023 19:00	1.4	262	6	1.8	0.00	23.6	44
16/05/2023 19:10	2.0	259	4	2.1	0.00	23.3	50
16/05/2023 19:20	1.9	270	5	2.3	0.00	23.6	51
16/05/2023 19:30	2.2	279	6	2.5	0.00	23.6	53
16/05/2023 19:40	2.5	264	6	2.8	0.00	23.2	55
16/05/2023 19:50	1.8	268	6	2.6	0.00	22.7	58
16/05/2023 20:00	2.2	267	5	2.5	0.00	22.6	59
16/05/2023 20:10	2.0	265	5	2.4	0.00	22.6	58
16/05/2023 20:20	2.5	262	3	2.8	0.00	22.7	57
16/05/2023 20:30	2.5	267	3	2.8	0.00	22.6	58
16/05/2023 20:40	2.7	269	4	3.1	0.00	22.4	58
16/05/2023 20:50	2.1	266	2	2.5	0.00	22.4	58
16/05/2023 21:00	2.3	270	4	2.5	0.00	22.5	58
16/05/2023 21:10	2.5	269	4	3.0	0.00	22.4	60
16/05/2023 21:20	2.7	270	4	3.1	0.00	22.3	60
16/05/2023 21:30	2.7	270	5	3.3	0.00	22.1	63
16/05/2023 21:40	2.8	270	4	3.4	0.00	22.0	65
16/05/2023 21:50	2.9	267	6	3.5	0.00	21.9	66
16/05/2023 22:00	3.0	268	5	3.7	0.00	21.5	68
16/05/2023 22:10	3.1	270	5	3.9	0.00	21.6	67
16/05/2023 22:20	3.3	269	5	4.5	0.00	21.6	63
16/05/2023 22:30	3.0	270	4	3.8	0.00	21.6	57
16/05/2023 22:40	2.7	272	5	3.3	0.00	21.3	56
16/05/2023 22:50	3.0	267	7	3.6	0.00	21.6	55
16/05/2023 23:00	3.0	267	6	3.7	0.00	21.5	58
16/05/2023 23:10	3.2	266	6	4.2	0.00	21.5	63
16/05/2023 23:20	3.3	268	6	4.1	0.00	21.3	67
16/05/2023 23:30	3.4	266	7	4.5	0.00	21.3	67
16/05/2023 23:40	3.5	268	7	4.9	0.00	21.3	65
16/05/2023 23:50	3.6	262	8	5.0	0.00	21.4	63
17/05/2023 00:00	3.4	259	12	4.7	0.00	21.4	63
17/05/2023 00:10	3.3	268	12	4.7	0.00	21.3	62
17/05/2023 00:20	2.8	263	19	4.3	0.00	21.3	60
17/05/2023 00:30	1.4	245	31	3.1	0.00	21.0	60



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/05/2023 00:40	1.8	254	12	2.8	0.00	21.2	56
17/05/2023 00:50	1.7	250	15	2.6	0.00	21.6	53
17/05/2023 01:00	1.3	254	19	2.3	0.00	22.1	49
17/05/2023 01:10	1.2	239	26	2.2	0.00	22.0	45
17/05/2023 01:20	1.8	201	22	3.9	0.00	22.7	42
17/05/2023 01:30	1.5	210	31	2.6	0.00	22.9	40
17/05/2023 01:40	0.9	217	44	1.9	0.00	22.6	41
17/05/2023 01:50	1.0	174	38	2.3	0.00	21.8	43
17/05/2023 02:00	0.9	207	46	2.4	0.00	21.7	44
17/05/2023 02:10	1.4	239	55	3.9	0.00	21.6	44
17/05/2023 02:20	1.0	286	68	2.6	0.00	21.9	43
17/05/2023 02:30	0.7	243	64	1.9	0.00	21.5	44
17/05/2023 02:40	0.7	324	60	1.4	0.00	21.3	43
17/05/2023 02:50	0.7	256	57	1.4	0.00	21.6	42
17/05/2023 03:00	0.8	307	45	1.6	0.00	21.7	41
17/05/2023 03:10	1.2	259	51	2.5	0.00	21.7	40
17/05/2023 03:20	1.8	216	30	4.0	0.00	21.9	40
17/05/2023 03:30	2.6	202	17	4.5	0.00	22.1	39
17/05/2023 03:40	1.9	206	27	3.5	0.00	21.9	39
17/05/2023 03:50	2.0	196	24	4.3	0.00	21.8	39
17/05/2023 04:00	3.3	197	15	6.2	0.00	21.8	40
17/05/2023 04:10	3.1	215	18	5.6	0.00	21.9	40
17/05/2023 04:20							
17/05/2023 04:30							
17/05/2023 04:40							
17/05/2023 04:50							
17/05/2023 05:00							
17/05/2023 05:10							
17/05/2023 05:20							
17/05/2023 05:30							
17/05/2023 05:40							
17/05/2023 05:50							
17/05/2023 06:00							
17/05/2023 06:10							
17/05/2023 06:20							
17/05/2023 06:30							
17/05/2023 06:40							
17/05/2023 06:50							
17/05/2023 07:00							
17/05/2023 07:10							
17/05/2023 07:20							
17/05/2023 07:30	1.2	105	53	2.8	0.00	22.4	40
17/05/2023 07:40	1.1	53	63	2.5	0.00	22.6	40
17/05/2023 07:50	1.6	83	34	3.3	0.00	23.0	39
17/05/2023 08:00	1.6	84	20	2.7	0.00	23.3	38
17/05/2023 08:10	1.9	89	13	2.9	0.00	23.4	38
17/05/2023 08:20	2.1	79	14	3.3	0.00	23.5	37
17/05/2023 08:30	2.0	82	12	2.7	0.00	23.5	38



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/05/2023 08:40	1.8	98	17	2.7	0.00	23.9	37
17/05/2023 08:50	2.3	97	12	3.5	0.00	23.8	39
17/05/2023 09:00	2.8	94	14	3.8	0.00	23.7	40
17/05/2023 09:10	2.2	97	14	3.6	0.00	24.4	39
17/05/2023 09:20	2.3	97	13	3.4	0.00	25.0	38
17/05/2023 09:30	3.0	99	12	4.1	0.00	25.1	37
17/05/2023 09:40	3.2	108	12	4.9	0.00	24.7	40
17/05/2023 09:50							
17/05/2023 10:00							
17/05/2023 10:10							
17/05/2023 10:20	3.7	102	17	6.8	0.00	25.8	43
17/05/2023 10:30	5.4	93	10	7.5	0.00	26.4	41
17/05/2023 10:40	5.9	91	9	8.5	0.00	26.8	37
17/05/2023 10:50	6.3	96	8	8.5	0.00	26.6	37
17/05/2023 11:00	6.4	97	8	8.4	0.00	26.4	36
17/05/2023 11:10	6.0	97	9	8.2	0.00	26.4	38
17/05/2023 11:20	5.6	98	12	8.2	0.00	26.6	42
17/05/2023 11:30	6.0	94	9	8.4	0.00	26.6	41
17/05/2023 11:40	6.9	89	10	9.2	0.00	26.6	41
17/05/2023 11:50	7.2	85	9	10.1	0.00	26.6	41
17/05/2023 12:00	7.4	90	7	9.5	0.00	26.3	43
17/05/2023 12:10	6.1	86	10	8.8	0.00	27.0	43
17/05/2023 12:20	6.2	87	9	9.1	0.00	26.8	44
17/05/2023 12:30	6.9	93	7	9.3	0.00	26.2	44
17/05/2023 12:40	5.5	95	11	8.5	0.00	26.4	44
17/05/2023 12:50	5.5	93	13	8.1	0.00	26.5	44
17/05/2023 13:00	6.7	92	9	8.8	0.00	26.4	43
17/05/2023 13:10	6.4	87	9	8.6	0.00	26.6	44
17/05/2023 13:20	5.4	97	11	8.2	0.00	26.5	47
17/05/2023 13:30	5.7	91	9	7.6	0.00	26.7	48
17/05/2023 13:40	5.8	82	11	8.2	0.00	26.5	51
17/05/2023 13:50	6.4	73	7	8.8	0.00	26.4	54
17/05/2023 14:00	6.3	80	9	8.2	0.00	26.1	57
17/05/2023 14:10	6.9	88	7	8.6	0.00	26.3	57
17/05/2023 14:20	6.3	89	7	8.3	0.00	26.2	60
17/05/2023 14:30	5.8	84	9	8.1	0.00	26.6	60
17/05/2023 14:40	5.9	87	7	7.8	0.00	26.7	60
17/05/2023 14:50	5.9	88	7	7.5	0.00	26.2	62
17/05/2023 15:00	5.3	88	7	6.9	0.00	26.3	62
17/05/2023 15:10	5.1	84	6	7.1	0.00	26.3	62
17/05/2023 15:20	5.0	90	7	6.4	0.00	26.4	63
17/05/2023 15:30	4.4	92	9	5.9	0.00	26.5	63
17/05/2023 15:40	4.3	87	9	5.7	0.00	26.5	63
17/05/2023 15:50	3.9	95	9	5.5	0.00	26.6	63
17/05/2023 16:00	4.0	93	9	5.5	0.00	26.4	64
17/05/2023 16:10	3.9	89	8	5.1	0.00	26.3	65
17/05/2023 16:20	3.3	85	9	4.4	0.00	26.4	66
17/05/2023 16:30	3.1	82	9	4.4	0.00	26.4	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/05/2023 16:40	2.9	81	9	3.9	0.00	26.2	66
17/05/2023 16:50	3.2	87	7	4.3	0.00	25.9	68
17/05/2023 17:00	3.2	83	8	4.4	0.00	25.7	69
17/05/2023 17:10	3.4	63	7	4.7	0.00	25.4	70
17/05/2023 17:20	3.1	58	8	4.1	0.00	25.0	71
17/05/2023 17:30	2.7	56	7	3.7	0.00	24.6	72
17/05/2023 17:40	2.7	46	6	3.4	0.00	24.3	73
17/05/2023 17:50	2.4	52	9	3.2	0.00	24.0	73
17/05/2023 18:00	2.1	117	13	2.8	0.00	24.0	73
17/05/2023 18:10	1.4	109	19	2.3	0.00	24.0	74
17/05/2023 18:20	1.2	121	21	1.7	0.00	23.9	74
17/05/2023 18:30	0.7	72	19	1.4	0.00	23.6	73
17/05/2023 18:40	0.5	25	20	0.9	0.00	23.2	72
17/05/2023 18:50	0.8	53	7	1.1	0.00	22.6	73
17/05/2023 19:00	0.8	199	23	1.1	0.00	22.8	72
17/05/2023 19:10	0.7	149	33	1.0	0.00	23.1	71
17/05/2023 19:20	0.3	119	35	0.6	0.00	22.8	72
17/05/2023 19:30	0.8	47	24	1.2	0.00	22.7	71
17/05/2023 19:40	0.9	72	22	1.4	0.00	22.8	72
17/05/2023 19:50	1.2	71	14	1.6	0.00	22.8	72
17/05/2023 20:00	1.0	76	9	1.4	0.00	22.8	71
17/05/2023 20:10	1.2	57	9	1.6	0.00	22.4	71
17/05/2023 20:20	1.0	57	9	1.4	0.00	22.2	71
17/05/2023 20:30	1.2	61	8	1.4	0.00	22.4	70
17/05/2023 20:40	1.4	53	6	1.6	0.00	22.5	69
17/05/2023 20:50	1.3	55	4	1.5	0.00	22.4	68
17/05/2023 21:00	1.3	54	8	1.7	0.00	22.3	68
17/05/2023 21:10	1.5	59	6	1.8	0.00	22.3	66
17/05/2023 21:20	1.6	68	7	2.0	0.00	22.3	66
17/05/2023 21:30	1.8	66	11	2.3	0.00	22.2	65
17/05/2023 21:40	1.6	73	27	2.2	0.00	22.3	65
17/05/2023 21:50	1.4	72	16	1.8	0.00	22.2	65
17/05/2023 22:00	1.4	71	9	1.6	0.00	22.2	64
17/05/2023 22:10	1.3	51	9	1.6	0.00	22.2	63
17/05/2023 22:20	1.3	37	9	1.7	0.00	22.2	61
17/05/2023 22:30	1.3	46	6	1.6	0.00	22.3	61
17/05/2023 22:40	1.2	78	18	1.6	0.00	22.4	61
17/05/2023 22:50	1.2	77	12	1.6	0.00	22.2	62
17/05/2023 23:00	1.5	99	16	2.3	0.00	21.9	63
17/05/2023 23:10	1.3	84	12	1.8	0.00	22.0	66
17/05/2023 23:20	1.2	74	11	1.5	0.00	21.9	68
17/05/2023 23:30	0.7	79	10	1.1	0.00	21.9	68
17/05/2023 23:40	1.0	94	10	1.2	0.00	22.0	69
17/05/2023 23:50	1.2	94	17	1.6	0.00	21.9	69
18/05/2023 00:00	1.0	75	24	1.5	0.00	22.0	69
18/05/2023 00:10	1.3	83	15	2.2	0.00	22.1	69
18/05/2023 00:20	1.2	75	12	1.6	0.00	22.0	70
18/05/2023 00:30	1.3	79	11	1.7	0.00	21.9	71



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/05/2023 00:40	1.2	52	9	1.6	0.00	21.9	71
18/05/2023 00:50	1.5	68	8	2.0	0.00	22.0	71
18/05/2023 01:00	1.3	85	13	1.8	0.00	21.8	71
18/05/2023 01:10	1.2	89	23	2.9	0.00	21.8	71
18/05/2023 01:20	1.0	96	34	1.8	0.00	22.1	70
18/05/2023 01:30	1.4	90	22	2.3	0.00	22.1	71
18/05/2023 01:40	2.0	112	15	3.2	0.00	22.1	72
18/05/2023 01:50	0.7	85	60	1.7	0.00	22.3	73
18/05/2023 02:00	1.3	88	19	2.2	0.00	22.2	73
18/05/2023 02:10	1.2	109	29	1.9	0.00	22.2	73
18/05/2023 02:20	0.9	92	49	2.0	0.00	22.3	74
18/05/2023 02:30	0.8	62	22	1.5	0.00	22.2	74
18/05/2023 02:40	2.0	114	14	3.3	0.00	22.1	74
18/05/2023 02:50	1.6	100	26	2.5	0.00	22.2	74
18/05/2023 03:00	1.7	118	14	2.9	0.00	22.3	74
18/05/2023 03:10	1.6	109	24	2.9	0.00	22.2	74
18/05/2023 03:20	2.3	104	14	3.5	0.00	22.2	74
18/05/2023 03:30	2.4	94	13	3.8	0.00	22.2	74
18/05/2023 03:40	2.4	96	12	3.6	0.00	22.0	74
18/05/2023 03:50	2.2	85	9	3.3	0.00	22.2	74
18/05/2023 04:00	2.4	94	7	3.4	0.00	22.2	74
18/05/2023 04:10	2.6	92	6	3.5	0.00	22.3	74
18/05/2023 04:20	2.9	95	6	3.8	0.00	22.4	74
18/05/2023 04:30	2.9	93	7	3.6	0.00	22.3	74
18/05/2023 04:40	2.7	94	6	3.6	0.00	22.3	74
18/05/2023 04:50	2.3	92	6	3.2	0.00	22.0	74
18/05/2023 05:00	2.7	96	7	3.5	0.00	22.1	74
18/05/2023 05:10	2.4	101	9	3.1	0.00	22.1	74
18/05/2023 05:20	3.0	112	10	4.4	0.00	22.1	74
18/05/2023 05:30	3.3	106	11	4.9	0.00	21.9	72
18/05/2023 05:40	3.2	107	9	4.8	0.00	22.1	71
18/05/2023 05:50	3.5	107	10	5.6	0.00	22.0	70
18/05/2023 06:00	3.7	106	10	5.4	0.00	21.9	68
18/05/2023 06:10	3.9	101	9	5.5	0.00	22.1	62
18/05/2023 06:20	3.9	100	8	5.6	0.00	22.4	57
18/05/2023 06:30	4.0	98	8	5.7	0.00	22.4	54
18/05/2023 06:40	4.1	97	8	5.9	0.00	22.5	53
18/05/2023 06:50	4.0	101	9	6.1	0.00	22.5	53
18/05/2023 07:00	4.5	103	9	6.5	0.00	22.8	51
18/05/2023 07:10	4.1	102	9	6.5	0.00	22.9	51
18/05/2023 07:20	3.7	102	10	6.1	0.00	23.1	50
18/05/2023 07:30	4.3	102	10	6.0	0.00	23.5	47
18/05/2023 07:40	4.6	103	9	6.9	0.00	23.8	44
18/05/2023 07:50	4.3	105	10	6.7	0.00	24.1	43
18/05/2023 08:00	4.4	104	9	6.3	0.00	24.2	42
18/05/2023 08:10	4.7	107	11	7.1	0.00	24.4	41
18/05/2023 08:20	5.0	107	9	6.8	0.00	24.5	40
18/05/2023 08:30	5.2	107	9	7.2	0.00	24.7	40



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/05/2023 08:40	4.7	106	10	6.6	0.00	25.1	39
18/05/2023 08:50	5.5	99	11	8.1	0.00	25.5	37
18/05/2023 09:00	6.6	97	10	10.0	0.00	25.6	35
18/05/2023 09:10	7.5	95	8	10.3	0.00	25.5	35
18/05/2023 09:20	7.5	93	9	10.3	0.00	25.5	35
18/05/2023 09:30	7.4	95	8	11.1	0.00	25.4	36
18/05/2023 09:40	7.0	91	9	9.9	0.00	25.6	37
18/05/2023 09:50	7.9	90	8	10.6	0.00	25.4	39
18/05/2023 10:00	7.3	90	9	10.1	0.00	25.7	39
18/05/2023 10:10	7.9	91	9	11.1	0.00	25.5	41
18/05/2023 10:20	7.3	88	9	10.8	0.00	25.8	41
18/05/2023 10:30	8.1	93	8	11.4	0.00	25.7	43
18/05/2023 10:40	7.5	91	9	10.3	0.00	26.1	44
18/05/2023 10:50	8.5	77	8	12.4	0.00	26.1	43
18/05/2023 11:00	8.9	75	5	12.0	0.00	25.8	44
18/05/2023 11:10							
18/05/2023 11:20	9.1	77	6	11.9	0.00	25.9	45
18/05/2023 11:30	8.9	80	7	12.1	0.00	26.0	44
18/05/2023 11:40	8.0	78	7	10.7	0.00	26.0	47
18/05/2023 11:50	7.2	78	7	9.8	0.00	26.4	48
18/05/2023 12:00	8.1	76	7	11.2	0.00	26.5	49
18/05/2023 12:10	8.1	77	8	11.5	0.00	26.6	51
18/05/2023 12:20	9.7	83	8	13.2	0.00	27.1	46
18/05/2023 12:30	8.2	83	8	11.2	0.00	27.3	48
18/05/2023 12:40	9.2	83	7	11.9	0.00	27.2	49
18/05/2023 12:50	9.4	82	7	12.8	0.00	26.9	50
18/05/2023 13:00	9.2	81	7	13.1	0.00	26.7	51
18/05/2023 13:10	8.6	83	10	12.1	0.00	27.0	51
18/05/2023 13:20	9.1	83	8	11.8	0.00	26.8	52
18/05/2023 13:30	8.8	82	7	12.1	0.00	26.7	52
18/05/2023 13:40	8.9	84	7	12.0	0.00	26.8	51
18/05/2023 13:50	8.0	82	9	10.9	0.00	27.1	50
18/05/2023 14:00	7.6	80	8	10.2	0.00	27.4	50
18/05/2023 14:10	7.5	81	10	10.7	0.00	27.6	49
18/05/2023 14:20	7.6	84	7	10.7	0.00	27.4	50
18/05/2023 14:30	7.7	80	9	11.9	0.00	27.6	50
18/05/2023 14:40	7.5	78	8	10.9	0.00	27.4	51
18/05/2023 14:50	7.7	84	8	10.6	0.00	27.4	50
18/05/2023 15:00	8.1	86	7	10.8	0.00	27.3	51
18/05/2023 15:10	8.0	85	6	10.6	0.00	27.3	51
18/05/2023 15:20	7.6	84	7	10.6	0.00	27.2	51
18/05/2023 15:30	6.5	80	10	10.2	0.00	27.5	52
18/05/2023 15:40	5.5	77	8	8.2	0.00	27.7	52
18/05/2023 15:50	7.0	68	7	9.6	0.00	27.3	52
18/05/2023 16:00	6.5	66	9	9.1	0.00	27.1	52
18/05/2023 16:10	6.5	67	9	8.7	0.00	27.0	54
18/05/2023 16:20	7.8	62	6	9.9	0.00	26.6	55
18/05/2023 16:30	7.3	67	7	9.6	0.00	26.5	55



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/05/2023 16:40	7.2	66	9	10.0	0.00	26.4	56
18/05/2023 16:50	7.0	63	7	9.6	0.00	26.2	58
18/05/2023 17:00	6.4	62	7	8.7	0.00	26.1	59
18/05/2023 17:10	5.3	59	7	7.3	0.00	25.8	63
18/05/2023 17:20	5.3	58	8	7.0	0.00	25.4	65
18/05/2023 17:30	5.9	58	6	8.4	0.00	25.1	65
18/05/2023 17:40	5.3	59	6	7.4	0.00	24.9	67
18/05/2023 17:50	5.2	60	7	7.6	0.00	24.8	68
18/05/2023 18:00	5.0	60	6	6.8	0.00	24.6	68
18/05/2023 18:10	5.0	60	7	6.7	0.00	24.6	68
18/05/2023 18:20	5.0	61	7	6.5	0.00	24.6	68
18/05/2023 18:30	4.9	61	6	6.5	0.00	24.6	67
18/05/2023 18:40	4.9	60	6	6.4	0.00	24.6	67
18/05/2023 18:50	4.8	62	6	6.2	0.00	24.6	67
18/05/2023 19:00	4.6	60	5	5.6	0.00	24.5	68
18/05/2023 19:10	4.6	61	6	6.1	0.00	24.5	68
18/05/2023 19:20	4.2	62	7	5.6	0.00	24.5	69
18/05/2023 19:30	4.1	61	6	5.6	0.00	24.5	70
18/05/2023 19:40	3.9	60	6	5.4	0.00	24.4	70
18/05/2023 19:50	3.7	64	6	4.7	0.00	24.3	72
18/05/2023 20:00	3.5	63	6	4.5	0.00	24.1	72
18/05/2023 20:10	3.4	66	6	4.4	0.00	24.1	73
18/05/2023 20:20	3.2	69	6	4.4	0.00	24.1	73
18/05/2023 20:30	3.1	77	6	4.2	0.00	24.0	73
18/05/2023 20:40	2.1	94	9	2.6	0.00	24.1	73
18/05/2023 20:50	1.8	85	11	2.6	0.00	24.0	74
18/05/2023 21:00	1.9	75	7	2.3	0.00	23.6	74
18/05/2023 21:10	1.5	76	7	2.0	0.00	23.4	73
18/05/2023 21:20	1.4	62	12	1.7	0.00	23.1	71
18/05/2023 21:30	1.4	58	10	1.7	0.00	23.0	68
18/05/2023 21:40	1.5	76	20	2.4	0.00	23.0	66
18/05/2023 21:50	1.6	62	11	2.3	0.00	22.8	64
18/05/2023 22:00	1.6	49	11	2.2	0.00	22.7	60
18/05/2023 22:10	1.8	53	9	2.3	0.00	22.7	59
18/05/2023 22:20	1.6	58	13	2.3	0.00	22.7	59
18/05/2023 22:30	1.7	68	12	2.4	0.00	22.4	61
18/05/2023 22:40	1.8	83	11	2.4	0.00	22.5	63
18/05/2023 22:50	1.6	78	11	2.0	0.00	22.5	65
18/05/2023 23:00	1.7	44	9	2.1	0.00	22.3	66
18/05/2023 23:10	1.6	70	11	2.3	0.00	22.2	66
18/05/2023 23:20	1.6	47	11	2.2	0.00	22.0	67
18/05/2023 23:30	1.6	55	12	2.2	0.00	22.1	66
18/05/2023 23:40	1.9	57	11	2.7	0.00	22.2	67
18/05/2023 23:50	1.7	41	17	2.5	0.00	22.1	68
19/05/2023 00:00	0.8	111	14	1.2	0.00	22.0	67
19/05/2023 00:10	0.6	79	20	1.1	0.00	21.9	66
19/05/2023 00:20	0.8	56	24	1.3	0.00	22.0	65
19/05/2023 00:30	1.1	51	14	1.7	0.00	21.8	65





## Yara Pilbara Nitrates- Western Boundary 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/05/2023 00:40	1.3	47	12	2.0	0.00	21.8	63
19/05/2023 00:50	1.2	56	16	1.9	0.00	21.8	62
19/05/2023 01:00	1.8	67	10	2.5	0.00	21.6	61
19/05/2023 01:10	1.3	62	24	2.4	0.00	21.6	61
19/05/2023 01:20	1.2	49	18	2.3	0.00	21.5	61
19/05/2023 01:30	1.6	63	16	2.9	0.00	21.3	61
19/05/2023 01:40	2.0	105	18	3.7	0.00	21.4	62
19/05/2023 01:50	2.0	127	23	3.9	0.00	21.5	66
19/05/2023 02:00	1.6	112	24	3.1	0.00	21.4	69
19/05/2023 02:10	1.2	97	19	2.7	0.00	21.4	70
19/05/2023 02:20	1.9	98	15	2.9	0.00	21.5	70
19/05/2023 02:30	1.9	100	14	3.3	0.00	21.5	71
19/05/2023 02:40	2.1	106	17	3.7	0.00	21.5	73
19/05/2023 02:50	1.4	108	37	2.9	0.00	21.5	74
19/05/2023 03:00	1.6	113	24	2.9	0.00	21.4	74
19/05/2023 03:10	2.1	106	25	3.9	0.00	21.4	73
19/05/2023 03:20	2.6	104	13	4.0	0.00	21.6	72
19/05/2023 03:30	2.6	103	13	3.8	0.00	21.5	71
19/05/2023 03:40	2.5	105	13	4.2	0.00	21.5	70
19/05/2023 03:50	2.1	102	14	4.2	0.00	21.3	70
19/05/2023 04:00	2.0	102	17	3.4	0.00	21.1	69
19/05/2023 04:10	1.9	99	17	3.5	0.00	20.9	68
19/05/2023 04:20	2.9	99	12	4.6	0.00	21.1	63
19/05/2023 04:30	2.6	103	13	4.6	0.00	21.6	54
19/05/2023 04:40	3.0	99	12	4.9	0.00	21.5	54
19/05/2023 04:50	2.6	102	12	4.1	0.00	21.5	53
19/05/2023 05:00	2.0	103	15	3.9	0.00	21.3	53
19/05/2023 05:10	1.8	98	19	3.3	0.00	21.1	55
19/05/2023 05:20	1.8	95	17	3.3	0.00	20.8	56
19/05/2023 05:30	2.2	100	13	4.0	0.00	20.7	56
19/05/2023 05:40	2.2	100	14	3.5	0.00	20.9	52
19/05/2023 05:50	2.5	103	17	4.1	0.00	20.9	50
19/05/2023 06:00	2.8	100	13	4.3	0.00	21.0	49
19/05/2023 06:10	2.9	103	15	4.3	0.00	21.0	49
19/05/2023 06:20	3.4	103	12	5.2	0.00	21.1	49
19/05/2023 06:30	3.6	101	10	5.7	0.00	21.2	47
19/05/2023 06:40	3.2	103	11	5.2	0.00	21.2	49
19/05/2023 06:50	3.3	105	9	4.8	0.00	21.6	44
19/05/2023 07:00	3.3	105	11	5.3	0.00	21.8	45
19/05/2023 07:10	3.7	104	12	5.7	0.00	22.0	43
19/05/2023 07:20	3.6	103	11	5.5	0.00	22.3	43
19/05/2023 07:30	3.8	105	10	5.8	0.00	22.6	41
19/05/2023 07:40	4.2	103	11	6.4	0.00	22.8	40
19/05/2023 07:50	4.8	104	10	7.1	0.00	23.0	39
19/05/2023 08:00	4.9	106	12	7.0	0.00	23.2	38
19/05/2023 08:10	4.7	108	13	7.0	0.00	23.3	39
19/05/2023 08:20	4.9	108	11	7.2	0.00	23.5	38
19/05/2023 08:30	4.5	108	12	7.1	0.00	23.8	39



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/05/2023 08:40	4.9	106	11	6.9	0.00	24.2	36
19/05/2023 08:50	5.0	107	11	8.0	0.00	24.5	35
19/05/2023 09:00	5.4	106	11	8.2	0.00	25.0	34
19/05/2023 09:10	6.0	108	11	9.2	0.00	25.3	32
19/05/2023 09:20	5.7	105	12	9.4	0.00	25.7	32
19/05/2023 09:30	7.6	96	9	11.2	0.00	25.9	31
19/05/2023 09:40	8.2	94	7	11.1	0.00	26.0	30
19/05/2023 09:50	7.5	96	9	10.2	0.00	26.1	32
19/05/2023 10:00	7.9	92	8	11.2	0.00	26.2	30
19/05/2023 10:10	8.2	94	9	11.5	0.00	26.2	31
19/05/2023 10:20	8.6	93	7	12.3	0.00	26.0	31
19/05/2023 10:30	8.1	90	6	11.3	0.00	26.6	32
19/05/2023 10:40	7.9	90	9	10.8	0.00	26.7	32
19/05/2023 10:50	7.8	94	9	11.4	0.00	26.8	32
19/05/2023 11:00	7.4	92	8	11.0	0.00	27.1	32
19/05/2023 11:10	7.7	89	8	10.3	0.00	27.3	32
19/05/2023 11:20	8.1	92	9	10.7	0.00	27.1	33
19/05/2023 11:30	7.5	89	10	11.2	0.00	27.5	32
19/05/2023 11:40	7.2	87	9	11.1	0.00	27.9	33
19/05/2023 11:50	7.2	85	9	10.2	0.00	27.8	32
19/05/2023 12:00	7.2	85	9	10.2	0.00	27.9	33
19/05/2023 12:10	7.1	85	9	10.4	0.00	27.9	32
19/05/2023 12:20	7.5	86	9	11.1	0.00	28.0	32
19/05/2023 12:30	7.7	86	9	10.8	0.00	28.0	31
19/05/2023 12:40	7.9	74	8	10.6	0.00	27.8	30
19/05/2023 12:50	8.9	76	6	11.8	0.00	27.4	30
19/05/2023 13:00	8.7	79	7	11.8	0.00	27.4	30
19/05/2023 13:10	8.3	84	6	11.0	0.00	27.8	29
19/05/2023 13:20	7.6	84	9	11.1	0.00	27.8	29
19/05/2023 13:30	6.2	76	10	9.7	0.00	28.4	31
19/05/2023 13:40	6.9	61	8	8.9	0.00	28.1	30
19/05/2023 13:50	7.0	59	9	9.2	0.00	28.0	29
19/05/2023 14:00	6.4	63	10	9.1	0.00	28.2	29
19/05/2023 14:10	6.5	64	9	8.8	0.00	28.5	27
19/05/2023 14:20							
19/05/2023 14:30							
19/05/2023 14:40	6.6	57	7	9.0	0.00	28.2	29
19/05/2023 14:50	6.1	63	8	8.5	0.00	28.3	28
19/05/2023 15:00	6.0	62	9	8.7	0.00	28.0	32
19/05/2023 15:10	6.5	62	9	9.1	0.00	27.8	33
19/05/2023 15:20	6.5	54	8	8.5	0.00	27.7	36
19/05/2023 15:30	6.8	55	8	9.4	0.00	27.5	40
19/05/2023 15:40	7.3	55	6	9.4	0.00	27.1	40
19/05/2023 15:50	7.0	55	7	9.4	0.00	27.1	41
19/05/2023 16:00	6.1	55	8	8.1	0.00	27.1	43
19/05/2023 16:10	5.7	58	8	7.9	0.00	26.9	45
19/05/2023 16:20	6.0	58	8	8.1	0.00	26.9	45
19/05/2023 16:30	5.9	54	7	7.9	0.00	26.7	45



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/05/2023 16:40	5.5	54	8	7.8	0.00	26.6	47
19/05/2023 16:50	5.5	56	7	7.4	0.00	26.4	50
19/05/2023 17:00	5.3	56	8	7.2	0.00	26.2	51
19/05/2023 17:10	4.6	58	7	6.6	0.00	26.0	53
19/05/2023 17:20	4.3	60	7	6.1	0.00	25.7	54
19/05/2023 17:30	3.9	59	8	5.5	0.00	25.1	57
19/05/2023 17:40	3.6	62	8	5.3	0.00	24.8	59
19/05/2023 17:50	3.4	63	7	5.1	0.00	24.6	60
19/05/2023 18:00	2.9	64	8	4.3	0.00	24.3	62
19/05/2023 18:10	2.8	61	7	4.6	0.00	24.1	63
19/05/2023 18:20	2.3	63	8	3.6	0.00	23.9	65
19/05/2023 18:30	2.2	66	7	2.8	0.00	23.6	66
19/05/2023 18:40	1.8	64	7	2.4	0.00	23.3	68
19/05/2023 18:50	2.0	62	6	2.7	0.00	22.9	68
19/05/2023 19:00	2.1	64	7	2.9	0.00	22.9	70
19/05/2023 19:10	2.3	55	5	3.1	0.00	22.5	70
19/05/2023 19:20	2.0	59	7	2.7	0.00	22.6	68
19/05/2023 19:30	1.9	61	8	2.8	0.00	22.8	70
19/05/2023 19:40	1.9	60	7	2.5	0.00	22.6	71
19/05/2023 19:50	1.8	63	10	2.4	0.00	22.4	72
19/05/2023 20:00	1.4	75	13	2.0	0.00	22.3	73
19/05/2023 20:10	1.1	81	15	1.5	0.00	22.3	73
19/05/2023 20:20	1.2	81	13	1.6	0.00	22.4	73
19/05/2023 20:30	0.7	86	13	1.2	0.00	22.1	74
19/05/2023 20:40	0.9	68	8	1.3	0.00	21.7	74
19/05/2023 20:50	0.8	95	14	1.2	0.00	21.5	74
19/05/2023 21:00	0.8	86	13	1.2	0.00	21.7	74
19/05/2023 21:10	1.0	91	9	1.3	0.00	21.6	74
19/05/2023 21:20	0.6	89	10	0.9	0.00	21.4	74
19/05/2023 21:30	1.0	78	6	1.3	0.00	21.5	73
19/05/2023 21:40	1.1	69	4	1.3	0.00	21.4	72
19/05/2023 21:50	1.0	71	9	1.3	0.00	21.6	71
19/05/2023 22:00	0.7	67	14	1.0	0.00	21.7	70
19/05/2023 22:10	0.6	52	13	0.9	0.00	21.9	69
19/05/2023 22:20	0.6	90	20	1.1	0.00	21.8	67
19/05/2023 22:30	1.5	108	14	2.1	0.00	21.6	65
19/05/2023 22:40	1.6	119	11	2.2	0.00	21.7	61
19/05/2023 22:50	1.6	128	13	2.8	0.00	22.0	59
19/05/2023 23:00	1.7	121	16	2.5	0.00	21.4	60
19/05/2023 23:10	2.0	125	13	2.9	0.00	21.1	62
19/05/2023 23:20	1.7	113	15	2.5	0.00	21.1	66
19/05/2023 23:30	1.7	115	17	2.8	0.00	20.9	69
19/05/2023 23:40	1.4	119	21	2.3	0.00	21.1	71
19/05/2023 23:50	1.5	128	14	2.6	0.00	21.1	72
20/05/2023 00:00	1.2	135	18	2.0	0.00	21.0	72
20/05/2023 00:10	1.6	120	23	2.7	0.00	20.8	73
20/05/2023 00:20	1.4	114	25	2.4	0.00	20.8	73
20/05/2023 00:30	1.6	94	17	3.0	0.00	20.7	74



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/05/2023 00:40	1.6	93	19	2.8	0.00	20.5	74
20/05/2023 00:50	1.2	93	25	2.2	0.00	20.1	74
20/05/2023 01:00	1.3	87	16	2.2	0.00	20.1	73
20/05/2023 01:10	1.6	92	14	2.8	0.00	20.0	73
20/05/2023 01:20	1.6	102	20	2.6	0.00	20.2	73
20/05/2023 01:30	2.6	100	12	3.9	0.00	20.4	73
20/05/2023 01:40	2.0	108	14	3.1	0.00	20.7	74
20/05/2023 01:50	2.6	108	11	4.1	0.00	20.7	74
20/05/2023 02:00	2.0	114	21	4.2	0.00	20.8	73
20/05/2023 02:10	3.0	104	10	4.8	0.00	20.7	72
20/05/2023 02:20	3.6	103	9	5.7	0.00	20.7	68
20/05/2023 02:30	3.1	94	8	4.2	0.00	20.5	65
20/05/2023 02:40	3.6	101	10	5.3	0.00	21.0	58
20/05/2023 02:50	4.6	99	8	7.5	0.00	21.6	44
20/05/2023 03:00	4.0	100	8	5.8	0.00	21.6	43
20/05/2023 03:10	3.9	100	9	6.0	0.00	21.6	43
20/05/2023 03:20	4.4	106	10	6.4	0.00	21.6	44
20/05/2023 03:30	4.7	106	11	7.0	0.00	21.6	43
20/05/2023 03:40	5.4	106	10	8.1	0.00	21.7	40
20/05/2023 03:50	4.1	106	12	6.3	0.00	21.5	42
20/05/2023 04:00	5.0	105	11	7.8	0.00	21.4	40
20/05/2023 04:10	5.3	106	11	7.4	0.00	21.5	41
20/05/2023 04:20	6.1	106	9	8.8	0.00	21.6	39
20/05/2023 04:30	6.5	107	11	9.9	0.00	21.7	39
20/05/2023 04:40	6.1	106	12	9.5	0.00	21.6	41
20/05/2023 04:50	5.9	105	11	9.2	0.00	21.5	41
20/05/2023 05:00	6.1	107	10	9.5	0.00	21.3	42
20/05/2023 05:10	5.6	106	12	8.2	0.00	21.4	42
20/05/2023 05:20	5.5	107	11	8.9	0.00	21.3	42
20/05/2023 05:30	5.2	107	10	8.1	0.00	21.2	41
20/05/2023 05:40	5.8	106	11	8.5	0.00	21.2	42
20/05/2023 05:50	6.8	108	10	9.6	0.00	21.3	39
20/05/2023 06:00	7.2	107	10	10.4	0.00	21.3	38
20/05/2023 06:10	6.6	107	10	9.8	0.00	21.2	40
20/05/2023 06:20	7.3	107	11	11.1	0.00	21.3	38
20/05/2023 06:30	7.1	108	10	10.6	0.00	21.2	39
20/05/2023 06:40	6.7	107	11	11.6	0.00	21.2	40
20/05/2023 06:50	7.3	107	10	10.6	0.00	21.3	40
20/05/2023 07:00	7.8	107	11	11.9	0.00	21.4	39
20/05/2023 07:10	7.8	107	11	12.8	0.00	21.5	39
20/05/2023 07:20	8.1	105	9	12.2	0.00	21.5	40
20/05/2023 07:30	8.3	105	11	12.3	0.00	21.7	37
20/05/2023 07:40	8.5	106	10	13.7	0.00	21.7	37
20/05/2023 07:50	8.4	106	12	12.7	0.00	21.8	39
20/05/2023 08:00	7.8	105	11	11.4	0.00	21.9	39
20/05/2023 08:10	7.7	103	11	11.9	0.00	22.0	39
20/05/2023 08:20	8.1	104	10	12.5	0.00	22.2	37
20/05/2023 08:30	8.4	106	11	12.8	0.00	22.3	37



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/05/2023 08:40	8.3	106	10	13.2	0.00	22.6	37
20/05/2023 08:50	8.1	104	11	13.8	0.00	22.9	36
20/05/2023 09:00	8.7	105	11	12.2	0.00	23.2	35
20/05/2023 09:10	8.1	105	11	12.8	0.00	23.6	36
20/05/2023 09:20	8.7	103	11	15.0	0.00	23.8	35
20/05/2023 09:30	9.3	101	11	14.4	0.00	24.0	34
20/05/2023 09:40	10.0	98	9	14.2	0.00	24.2	34
20/05/2023 09:50	10.1	98	9	15.4	0.00	24.4	33
20/05/2023 10:00	9.1	98	9	14.1	0.00	24.6	34
20/05/2023 10:10	9.3	95	8	14.5	0.00	24.8	35
20/05/2023 10:20	9.0	100	11	13.7	0.00	25.0	35
20/05/2023 10:30	8.6	102	10	13.0	0.00	25.1	35
20/05/2023 10:40	9.5	97	9	13.1	0.00	25.1	35
20/05/2023 10:50	9.8	95	9	14.4	0.00	25.3	35
20/05/2023 11:00	9.6	94	8	13.9	0.00	25.6	35
20/05/2023 11:10	10.0	94	8	12.8	0.00	25.6	36
20/05/2023 11:20	10.3	94	8	14.5	0.00	25.6	35
20/05/2023 11:30	10.5	96	7	14.4	0.00	25.7	34
20/05/2023 11:40	10.0	93	8	13.9	0.00	26.0	35
20/05/2023 11:50	10.7	89	7	14.8	0.00	26.3	33
20/05/2023 12:00	9.7	90	8	13.5	0.00	26.4	35
20/05/2023 12:10	10.1	92	8	14.8	0.00	26.3	34
20/05/2023 12:20	9.3	90	8	12.6	0.00	26.3	36
20/05/2023 12:30	9.4	86	8	13.2	0.00	26.5	34
20/05/2023 12:40	8.8	85	8	12.9	0.00	26.6	35
20/05/2023 12:50	9.3	85	8	13.9	0.00	26.5	35
20/05/2023 13:00	9.3	82	9	12.0	0.00	26.5	36
20/05/2023 13:10	9.4	79	10	12.3	0.00	26.5	35
20/05/2023 13:20	10.3	75	7	13.2	0.00	26.3	34
20/05/2023 13:30	10.3	75	6	13.2	0.00	26.0	36
20/05/2023 13:40	10.4	76	7	13.6	0.00	26.1	34
20/05/2023 13:50	10.2	77	7	13.4	0.00	26.2	35
20/05/2023 14:00	10.1	78	6	13.0	0.00	26.1	35
20/05/2023 14:10	10.1	79	6	13.0	0.00	26.3	35
20/05/2023 14:20	9.6	78	7	12.2	0.00	26.4	34
20/05/2023 14:30	9.9	80	7	13.1	0.00	26.4	35
20/05/2023 14:40	9.3	81	7	12.0	0.00	26.6	34
20/05/2023 14:50	9.7	81	6	12.4	0.00	26.5	35
20/05/2023 15:00	8.8	80	6	11.8	0.00	26.4	36
20/05/2023 15:10	8.1	67	9	10.6	0.00	26.7	39
20/05/2023 15:20	8.7	64	6	11.1	0.00	26.2	41
20/05/2023 15:30	9.1	69	7	11.2	0.00	25.9	43
20/05/2023 15:40	7.8	68	7	10.8	0.00	26.1	42
20/05/2023 15:50	8.1	70	7	10.6	0.00	26.0	43
20/05/2023 16:00	7.6	65	9	10.4	0.00	26.0	44
20/05/2023 16:10	8.2	66	8	11.1	0.00	25.8	42
20/05/2023 16:20	7.7	69	7	10.2	0.00	25.8	43
20/05/2023 16:30	8.0	66	8	11.0	0.00	25.7	44



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/05/2023 16:40	7.8	67	7	10.2	0.00	25.6	44
20/05/2023 16:50	7.9	67	6	10.3	0.00	25.4	45
20/05/2023 17:00	7.4	65	8	9.6	0.00	25.3	44
20/05/2023 17:10	7.5	64	7	9.6	0.00	25.2	45
20/05/2023 17:20	7.1	64	6	9.5	0.00	25.0	45
20/05/2023 17:30	6.6	66	8	9.2	0.00	24.6	46
20/05/2023 17:40	6.2	66	7	8.7	0.00	24.5	47
20/05/2023 17:50	5.9	69	8	8.0	0.00	24.4	48
20/05/2023 18:00	5.6	68	7	7.6	0.00	24.2	49
20/05/2023 18:10	5.3	68	7	7.3	0.00	24.2	50
20/05/2023 18:20	5.2	69	7	8.4	0.00	24.1	49
20/05/2023 18:30	4.3	67	6	5.9	0.00	24.0	52
20/05/2023 18:40	4.2	68	6	6.4	0.00	23.8	53
20/05/2023 18:50	4.4	71	7	5.9	0.00	23.9	52
20/05/2023 19:00	3.9	72	7	5.2	0.00	23.7	54
20/05/2023 19:10	4.3	74	7	5.9	0.00	23.7	57
20/05/2023 19:20	4.4	74	6	6.1	0.00	23.8	55
20/05/2023 19:30	3.9	76	6	5.4	0.00	23.6	58
20/05/2023 19:40	2.8	87	9	4.5	0.00	23.3	61
20/05/2023 19:50	2.1	103	10	3.4	0.00	23.2	63
20/05/2023 20:00	2.2	108	16	3.9	0.00	22.9	67
20/05/2023 20:10	1.8	119	15	2.7	0.00	22.7	71
20/05/2023 20:20	2.0	109	15	3.3	0.00	22.3	72
20/05/2023 20:30	1.6	90	12	2.4	0.00	21.8	73
20/05/2023 20:40	1.9	89	8	2.5	0.00	21.5	74
20/05/2023 20:50	2.0	88	8	2.7	0.00	21.5	74
20/05/2023 21:00	1.4	96	10	2.1	0.00	21.5	74
20/05/2023 21:10	1.3	86	13	2.2	0.00	21.3	74
20/05/2023 21:20	1.5	83	15	2.5	0.00	21.1	74
20/05/2023 21:30	1.4	79	12	2.1	0.00	20.8	74
20/05/2023 21:40	1.4	74	7	2.0	0.00	20.7	74
20/05/2023 21:50	1.1	103	17	2.2	0.00	20.7	74
20/05/2023 22:00	2.0	92	14	3.7	0.00	20.4	74
20/05/2023 22:10	3.5	106	10	5.6	0.00	21.1	59
20/05/2023 22:20	3.2	115	11	5.1	0.00	22.7	46
20/05/2023 22:30	2.7	113	13	4.3	0.00	22.5	47
20/05/2023 22:40	2.0	105	16	3.5	0.00	22.1	53
20/05/2023 22:50	2.0	100	19	4.0	0.00	21.8	53
20/05/2023 23:00	3.7	103	12	5.3	0.00	22.2	47
20/05/2023 23:10	4.0	106	10	6.3	0.00	22.5	45
20/05/2023 23:20	3.9	107	11	6.3	0.00	22.3	46
20/05/2023 23:30	4.8	107	9	7.1	0.00	22.4	45
20/05/2023 23:40	5.2	103	9	8.1	0.00	22.9	38
20/05/2023 23:50	5.6	100	9	8.2	0.00	22.9	36
21/05/2023 00:00	5.8	100	10	8.8	0.00	22.8	35
21/05/2023 00:10	6.0	101	11	8.4	0.00	22.7	34
21/05/2023 00:20	5.7	102	10	8.9	0.00	22.5	35
21/05/2023 00:30	5.6	104	11	8.5	0.00	22.3	35



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/05/2023 00:40	5.7	103	10	8.3	0.00	22.2	35
21/05/2023 00:50	5.6	104	11	8.3	0.00	22.0	37
21/05/2023 01:00	5.7	102	11	8.1	0.00	21.8	38
21/05/2023 01:10	6.5	103	11	9.5	0.00	21.7	37
21/05/2023 01:20	6.4	103	12	9.9	0.00	21.7	38
21/05/2023 01:30	6.5	105	11	9.9	0.00	21.7	37
21/05/2023 01:40	6.6	107	11	11.1	0.00	21.6	37
21/05/2023 01:50	7.0	104	10	10.8	0.00	21.5	37
21/05/2023 02:00	6.6	105	12	10.2	0.00	21.4	39
21/05/2023 02:10	6.6	106	11	9.8	0.00	21.1	40
21/05/2023 02:20	6.7	104	9	11.4	0.00	21.0	40
21/05/2023 02:30	7.3	104	10	11.2	0.00	20.9	39
21/05/2023 02:40	6.9	105	11	11.0	0.00	20.9	39
21/05/2023 02:50	7.2	107	11	10.7	0.00	20.8	40
21/05/2023 03:00	7.0	106	10	11.3	0.00	20.8	40
21/05/2023 03:10	7.2	106	10	10.5	0.00	20.8	39
21/05/2023 03:20	7.6	106	10	11.3	0.00	20.7	38
21/05/2023 03:30	8.2	107	11	12.5	0.00	20.7	37
21/05/2023 03:40	7.4	105	10	11.4	0.00	20.6	38
21/05/2023 03:50	7.3	107	10	11.4	0.00	20.5	40
21/05/2023 04:00	7.2	107	11	10.1	0.00	20.4	40
21/05/2023 04:10	7.3	107	11	11.7	0.00	20.3	40
21/05/2023 04:20	6.8	106	11	10.7	0.00	20.3	39
21/05/2023 04:30	7.7	107	10	10.8	0.00	20.2	39
21/05/2023 04:40	7.5	107	10	11.1	0.00	20.2	39
21/05/2023 04:50	7.7	108	10	11.8	0.00	20.2	39
21/05/2023 05:00	8.0	105	10	11.8	0.00	20.2	39
21/05/2023 05:10	7.5	105	12	12.0	0.00	20.2	40
21/05/2023 05:20	7.8	105	9	12.4	0.00	20.2	40
21/05/2023 05:30	8.0	106	11	12.5	0.00	20.2	38
21/05/2023 05:40	8.0	107	12	12.2	0.00	20.1	39
21/05/2023 05:50	8.7	107	8	12.4	0.00	20.0	40
21/05/2023 06:00	7.8	106	11	12.4	0.00	20.0	40
21/05/2023 06:10	8.6	105	10	13.1	0.00	20.0	39
21/05/2023 06:20	8.6	105	10	12.6	0.00	20.0	39
21/05/2023 06:30	8.4	107	11	12.4	0.00	19.9	40
21/05/2023 06:40	8.3	106	10	13.0	0.00	19.9	40
21/05/2023 06:50	8.2	105	11	12.3	0.00	19.9	39
21/05/2023 07:00	8.4	106	10	12.6	0.00	19.9	40
21/05/2023 07:10	8.4	107	11	12.8	0.00	20.0	40
21/05/2023 07:20	8.7	105	10	13.0	0.00	20.1	39
21/05/2023 07:30	8.7	106	11	14.0	0.00	20.3	39
21/05/2023 07:40	8.5	105	10	12.3	0.00	20.4	40
21/05/2023 07:50	8.4	105	10	11.6	0.00	20.6	40
21/05/2023 08:00	8.8	105	11	13.6	0.00	20.8	38
21/05/2023 08:10	9.4	104	11	14.2	0.00	20.9	37
21/05/2023 08:20	9.1	104	12	12.8	0.00	21.0	38
21/05/2023 08:30	9.5	103	10	13.6	0.00	21.2	37



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/05/2023 08:40	9.9	99	10	14.6	0.00	21.5	37
21/05/2023 08:50	10.4	97	9	15.9	0.00	21.7	36
21/05/2023 09:00	11.8	95	8	16.6	0.00	21.8	35
21/05/2023 09:10	11.5	95	8	16.0	0.00	21.7	35
21/05/2023 09:20	11.0	93	10	15.8	0.00	21.9	37
21/05/2023 09:30	11.6	94	9	18.0	0.00	21.9	36
21/05/2023 09:40	10.0	96	10	15.2	0.00	22.1	38
21/05/2023 09:50	11.3	94	8	15.6	0.00	22.4	38
21/05/2023 10:00	10.8	96	8	16.1	0.00	22.6	38
21/05/2023 10:10	12.1	92	7	16.3	0.00	22.9	37
21/05/2023 10:20	11.9	94	9	16.8	0.00	23.0	37
21/05/2023 10:30	12.0	93	8	16.7	0.00	23.0	36
21/05/2023 10:40	12.5	92	8	17.3	0.00	23.0	37
21/05/2023 10:50	11.4	90	8	17.3	0.00	23.3	36
21/05/2023 11:00	11.8	90	8	16.8	0.00	23.2	36
21/05/2023 11:10	10.4	91	9	15.5	0.00	23.6	37
21/05/2023 11:20	11.0	88	8	15.7	0.00	23.7	35
21/05/2023 11:30	10.7	89	9	15.5	0.00	23.7	36
21/05/2023 11:40	11.1	91	9	15.0	0.00	23.5	35
21/05/2023 11:50	11.0	87	9	15.4	0.00	23.8	34
21/05/2023 12:00	10.2	86	10	13.6	0.00	24.2	33
21/05/2023 12:10	9.4	83	8	14.7	0.00	24.3	32
21/05/2023 12:20	9.8	86	9	13.8	0.00	24.4	33
21/05/2023 12:30	10.8	83	8	16.0	0.00	24.4	31
21/05/2023 12:40	10.4	88	9	15.0	0.00	24.5	32
21/05/2023 12:50	9.3	84	9	14.3	0.00	24.8	32
21/05/2023 13:00	10.0	84	9	13.1	0.00	24.6	32
21/05/2023 13:10	10.0	84	8	14.8	0.00	24.6	30
21/05/2023 13:20	9.7	85	8	13.9	0.00	24.9	31
21/05/2023 13:30	8.8	87	8	12.2	0.00	25.1	31
21/05/2023 13:40	9.8	83	8	13.6	0.00	25.0	29
21/05/2023 13:50	9.1	85	9	13.7	0.00	25.0	29
21/05/2023 14:00	9.9	79	8	12.8	0.00	24.7	34
21/05/2023 14:10	9.6	79	8	13.1	0.00	24.4	37
21/05/2023 14:20	9.3	79	7	12.9	0.00	24.3	37
21/05/2023 14:30	9.2	79	8	11.9	0.00	24.5	36
21/05/2023 14:40	8.6	82	7	11.8	0.00	24.6	37
21/05/2023 14:50	7.3	82	10	10.5	0.00	24.8	37
21/05/2023 15:00	7.4	80	10	9.7	0.00	24.8	38
21/05/2023 15:10	8.1	76	7	11.1	0.00	24.4	38
21/05/2023 15:20	7.7	63	8	10.3	0.00	24.5	38
21/05/2023 15:30	7.3	66	10	9.5	0.00	24.5	39
21/05/2023 15:40	7.4	62	8	10.7	0.00	24.4	39
21/05/2023 15:50	6.8	64	10	9.4	0.00	24.5	40
21/05/2023 16:00	7.5	66	8	9.9	0.00	24.4	39
21/05/2023 16:10	8.2	63	6	10.9	0.00	24.1	40
21/05/2023 16:20	7.5	66	7	10.1	0.00	24.1	41
21/05/2023 16:30	7.6	67	7	9.9	0.00	24.0	41





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/05/2023 16:40	7.2	65	7	10.2	0.00	24.0	40
21/05/2023 16:50	7.5	66	7	10.0	0.00	23.9	41
21/05/2023 17:00	7.0	66	7	9.8	0.00	23.9	40
21/05/2023 17:10	6.8	64	8	8.9	0.00	23.8	40
21/05/2023 17:20	5.9	67	7	7.5	0.00	23.5	44
21/05/2023 17:30	5.6	64	8	7.5	0.00	23.1	44
21/05/2023 17:40	5.3	66	7	7.5	0.00	23.0	45
21/05/2023 17:50	4.1	64	8	6.4	0.00	22.6	50
21/05/2023 18:00	4.3	67	7	6.4	0.00	22.4	49
21/05/2023 18:10	4.2	70	8	5.9	0.00	22.6	48
21/05/2023 18:20	3.9	67	8	5.9	0.00	22.3	50
21/05/2023 18:30	3.6	72	8	5.7	0.00	22.4	49
21/05/2023 18:40	3.1	74	10	4.5	0.00	22.2	51
21/05/2023 18:50	2.7	76	7	4.2	0.00	21.9	53
21/05/2023 19:00	2.2	75	9	3.0	0.00	21.5	53
21/05/2023 19:10	1.7	86	9	2.9	0.00	21.3	55
21/05/2023 19:20	1.6	82	11	2.8	0.00	21.0	56
21/05/2023 19:30	2.0	61	7	2.5	0.00	20.7	57
21/05/2023 19:40	1.6	70	5	2.1	0.00	20.3	59
21/05/2023 19:50	1.2	63	8	1.6	0.00	20.2	61
21/05/2023 20:00	1.3	55	5	1.6	0.00	20.1	62
21/05/2023 20:10	1.1	50	5	1.5	0.00	19.9	63
21/05/2023 20:20	0.6	67	10	0.9	0.00	19.6	64
21/05/2023 20:30	0.3	99	38	0.5	0.00	19.7	66
21/05/2023 20:40	1.1	78	6	1.5	0.00	19.6	66
21/05/2023 20:50	1.4	88	10	1.9	0.00	19.4	69
21/05/2023 21:00	1.2	90	12	1.9	0.00	19.2	71
21/05/2023 21:10	1.1	78	14	1.6	0.00	19.1	72
21/05/2023 21:20	1.4	80	12	1.8	0.00	18.9	73
21/05/2023 21:30	1.2	86	15	1.8	0.00	18.6	72
21/05/2023 21:40	1.4	98	16	2.1	0.00	18.5	71
21/05/2023 21:50	1.4	110	18	2.1	0.00	18.7	68
21/05/2023 22:00	0.9	96	20	1.5	0.00	18.9	65
21/05/2023 22:10	0.8	60	33	1.4	0.00	18.5	67
21/05/2023 22:20	0.9	65	30	1.6	0.00	18.3	65
21/05/2023 22:30	1.7	81	16	2.6	0.00	18.3	63
21/05/2023 22:40	1.8	96	12	2.8	0.00	18.8	62
21/05/2023 22:50	2.0	96	16	3.2	0.00	19.0	63
21/05/2023 23:00	1.7	99	14	2.8	0.00	18.9	66
21/05/2023 23:10	1.8	102	14	2.8	0.00	19.2	66
21/05/2023 23:20	1.7	102	15	2.9	0.00	19.1	69
21/05/2023 23:30	1.5	98	14	2.1	0.00	18.9	71
21/05/2023 23:40	1.6	112	20	2.7	0.00	19.1	71
21/05/2023 23:50	1.6	119	22	2.9	0.00	19.3	69
22/05/2023 00:00	2.1	134	20	3.8	0.00	19.7	67
22/05/2023 00:10	2.6	147	13	3.8	0.00	20.0	65
22/05/2023 00:20	2.0	138	21	4.0	0.00	19.8	62
22/05/2023 00:30	2.5	139	16	4.6	0.00	19.8	61



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/05/2023 00:40	2.3	124	19	3.9	0.00	19.8	62
22/05/2023 00:50	1.6	115	20	3.1	0.00	19.3	65
22/05/2023 01:00	2.1	113	16	3.7	0.00	19.2	68
22/05/2023 01:10	3.2	107	12	4.7	0.00	19.6	63
22/05/2023 01:20	3.6	108	10	5.2	0.00	19.7	61
22/05/2023 01:30	4.1	108	10	5.5	0.00	19.7	58
22/05/2023 01:40	4.0	104	10	5.8	0.00	19.6	57
22/05/2023 01:50	4.2	106	9	5.9	0.00	19.7	56
22/05/2023 02:00	4.3	109	10	6.3	0.00	19.7	56
22/05/2023 02:10	4.3	109	11	6.2	0.00	19.7	55
22/05/2023 02:20	4.3	111	12	6.8	0.00	19.5	53
22/05/2023 02:30	4.7	109	10	7.3	0.00	19.5	49
22/05/2023 02:40	4.5	109	11	6.2	0.00	19.5	48
22/05/2023 02:50	5.1	109	10	7.5	0.00	19.7	46
22/05/2023 03:00	4.9	109	11	8.1	0.00	19.8	46
22/05/2023 03:10	5.1	109	9	7.8	0.00	19.8	47
22/05/2023 03:20	5.2	110	11	8.1	0.00	19.9	46
22/05/2023 03:30	5.3	108	10	8.1	0.00	19.9	46
22/05/2023 03:40	5.3	109	11	7.7	0.00	19.9	48
22/05/2023 03:50	5.5	107	11	8.2	0.00	20.2	45
22/05/2023 04:00	5.4	107	11	8.2	0.00	20.2	44
22/05/2023 04:10	5.9	106	9	9.1	0.00	20.2	42
22/05/2023 04:20	5.8	106	11	8.8	0.00	19.9	43
22/05/2023 04:30	6.4	106	10	9.5	0.00	19.8	42
22/05/2023 04:40	5.7	106	12	8.7	0.00	19.7	44
22/05/2023 04:50	5.9	107	11	9.4	0.00	19.6	44
22/05/2023 05:00	5.3	106	12	8.9	0.00	19.5	44
22/05/2023 05:10	5.8	105	9	9.8	0.00	19.4	44
22/05/2023 05:20	6.4	104	11	9.5	0.00	19.4	42
22/05/2023 05:30	5.7	106	12	8.3	0.00	19.3	44
22/05/2023 05:40	5.7	104	11	8.2	0.00	19.2	44
22/05/2023 05:50	5.4	105	11	8.2	0.00	19.2	45
22/05/2023 06:00	5.9	105	11	9.5	0.00	19.2	44
22/05/2023 06:10	6.1	104	11	9.3	0.00	19.3	44
22/05/2023 06:20	6.3	103	10	10.4	0.00	19.4	43
22/05/2023 06:30	6.2	103	9	9.1	0.00	19.4	42
22/05/2023 06:40	6.6	104	12	9.9	0.00	19.5	42
22/05/2023 06:50	6.1	104	10	10.0	0.00	19.5	42
22/05/2023 07:00	5.7	104	13	8.9	0.00	19.5	43
22/05/2023 07:10	6.4	106	10	9.2	0.00	19.6	42
22/05/2023 07:20	6.7	105	12	9.6	0.00	19.7	42
22/05/2023 07:30	6.3	104	10	9.3	0.00	20.0	42
22/05/2023 07:40	6.3	104	11	10.3	0.00	20.2	40
22/05/2023 07:50	6.7	105	11	10.6	0.00	20.3	41
22/05/2023 08:00	6.9	104	10	10.1	0.00	20.4	41
22/05/2023 08:10	6.8	104	12	10.0	0.00	20.5	40
22/05/2023 08:20	7.2	107	10	11.3	0.00	20.7	39
22/05/2023 08:30	7.2	103	10	10.2	0.00	20.9	39



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/05/2023 08:40	6.9	104	10	10.0	0.00	21.2	39
22/05/2023 08:50	7.4	99	9	11.2	0.00	21.5	38
22/05/2023 09:00	9.1	93	8	12.8	0.00	21.6	37
22/05/2023 09:10	9.0	94	8	13.4	0.00	21.4	37
22/05/2023 09:20	8.7	92	8	12.0	0.00	21.5	38
22/05/2023 09:30	8.6	96	9	12.8	0.00	21.6	38
22/05/2023 09:40	8.6	96	8	12.5	0.00	21.5	39
22/05/2023 09:50	8.9	96	8	12.1	0.00	21.6	40
22/05/2023 10:00	7.9	94	10	11.5	0.00	21.9	41
22/05/2023 10:10	7.5	93	9	11.6	0.00	22.2	41
22/05/2023 10:20	8.5	93	9	11.6	0.00	22.5	40
22/05/2023 10:30	8.4	95	9	11.6	0.00	22.6	40
22/05/2023 10:40	8.8	91	8	12.6	0.00	23.0	40
22/05/2023 10:50	8.6	88	9	12.9	0.00	23.2	40
22/05/2023 11:00	8.9	90	9	11.8	0.00	23.2	39
22/05/2023 11:10	8.0	90	10	12.7	0.00	23.7	37
22/05/2023 11:20	9.8	90	8	13.0	0.00	23.5	37
22/05/2023 11:30	9.4	92	9	12.9	0.00	23.5	37
22/05/2023 11:40	9.0	92	8	12.4	0.00	23.8	36
22/05/2023 11:50	8.7	90	9	12.9	0.00	24.0	35
22/05/2023 12:00	9.1	90	9	13.1	0.00	24.0	35
22/05/2023 12:10	7.8	90	10	11.5	0.00	24.2	36
22/05/2023 12:20	8.2	87	8	11.4	0.00	24.1	36
22/05/2023 12:30	8.2	90	9	12.0	0.00	24.2	35
22/05/2023 12:40	8.2	91	8	10.9	0.00	24.4	34
22/05/2023 12:50	7.1	87	9	10.2	0.00	24.7	34
22/05/2023 13:00	8.2	85	9	10.7	0.00	24.4	34
22/05/2023 13:10	7.3	85	11	11.4	0.00	24.8	33
22/05/2023 13:20	7.4	84	8	10.3	0.00	24.7	34
22/05/2023 13:30	7.6	85	9	10.9	0.00	24.8	35
22/05/2023 13:40	7.4	80	10	9.8	0.00	24.7	35
22/05/2023 13:50	8.7	75	5	11.1	0.00	24.2	36
22/05/2023 14:00	7.5	82	9	10.9	0.00	24.9	33
22/05/2023 14:10	8.1	83	8	10.9	0.00	24.9	31
22/05/2023 14:20	6.7	78	10	9.3	0.00	25.2	32
22/05/2023 14:30	7.4	61	8	9.8	0.00	24.9	33
22/05/2023 14:40	7.3	62	9	10.0	0.00	24.8	35
22/05/2023 14:50	7.1	62	9	9.7	0.00	24.8	35
22/05/2023 15:00	7.1	65	8	9.9	0.00	24.8	35
22/05/2023 15:10	7.3	64	7	10.0	0.00	24.7	32
22/05/2023 15:20	7.5	64	8	10.4	0.00	24.4	35
22/05/2023 15:30	7.2	64	8	9.3	0.00	24.6	33
22/05/2023 15:40	7.8	69	6	9.6	0.00	24.5	31
22/05/2023 15:50	7.0	61	7	9.2	0.00	24.4	34
22/05/2023 16:00	6.6	55	9	9.2	0.00	24.6	35
22/05/2023 16:10	6.0	62	9	7.7	0.00	24.4	34
22/05/2023 16:20	5.8	52	8	7.5	0.00	24.3	36
22/05/2023 16:30	5.8	54	7	7.9	0.00	24.1	38



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/05/2023 16:40	5.8	53	6	7.8	0.00	23.9	39
22/05/2023 16:50	5.4	54	6	7.5	0.00	23.7	40
22/05/2023 17:00	4.7	55	7	6.5	0.00	23.7	41
22/05/2023 17:10	3.9	56	8	5.1	0.00	23.5	43
22/05/2023 17:20	3.1	59	9	4.2	0.00	23.3	45
22/05/2023 17:30	3.0	60	12	4.0	0.00	22.6	48
22/05/2023 17:40	2.7	58	6	3.4	0.00	22.3	49
22/05/2023 17:50	2.8	58	6	3.6	0.00	22.0	50
22/05/2023 18:00	2.3	61	7	3.0	0.00	21.7	50
22/05/2023 18:10	1.5	62	9	2.3	0.00	21.5	50
22/05/2023 18:20	1.6	53	6	2.0	0.00	21.2	51
22/05/2023 18:30	1.5	60	7	2.1	0.00	21.1	50
22/05/2023 18:40	1.3	54	5	1.9	0.00	20.8	51
22/05/2023 18:50	1.3	59	5	1.7	0.00	20.6	53
22/05/2023 19:00	1.0	62	6	1.3	0.00	20.5	55
22/05/2023 19:10	0.5	63	10	0.8	0.00	20.0	56
22/05/2023 19:20	0.8	61	7	1.0	0.00	19.9	58
22/05/2023 19:30	0.9	55	6	1.1	0.00	19.8	58
22/05/2023 19:40	0.7	52	7	0.9	0.00	19.5	60
22/05/2023 19:50	0.7	63	11	0.9	0.00	19.6	60
22/05/2023 20:00	0.6	76	10	0.8	0.00	19.5	61
22/05/2023 20:10	0.9	72	10	1.2	0.00	19.8	63
22/05/2023 20:20	0.8	65	6	1.0	0.00	19.9	63
22/05/2023 20:30	0.6	55	9	0.8	0.00	20.0	64
22/05/2023 20:40	0.7	46	6	0.8	0.00	20.2	64
22/05/2023 20:50	0.7	37	8	1.0	0.00	20.4	63
22/05/2023 21:00	0.7	55	3	0.9	0.00	20.3	64
22/05/2023 21:10	0.8	59	5	1.0	0.00	20.1	64
22/05/2023 21:20	0.9	77	6	1.1	0.00	19.5	65
22/05/2023 21:30	1.1	88	7	1.5	0.00	19.2	67
22/05/2023 21:40	1.1	61	11	1.5	0.00	19.1	70
22/05/2023 21:50	1.2	45	8	1.5	0.00	19.3	73
22/05/2023 22:00	1.2	46	10	1.4	0.00	19.4	74
22/05/2023 22:10	1.2	53	8	1.6	0.00	19.4	74
22/05/2023 22:20	1.0	50	11	1.3	0.00	19.4	75
22/05/2023 22:30	1.1	52	10	1.7	0.00	19.2	75
22/05/2023 22:40	0.9	48	10	1.3	0.00	19.2	74
22/05/2023 22:50	1.0	46	12	1.5	0.00	19.3	74
22/05/2023 23:00	1.2	48	7	1.4	0.00	19.3	73
22/05/2023 23:10	1.3	45	6	1.5	0.00	19.2	72
22/05/2023 23:20	1.4	46	4	1.6	0.00	19.1	72
22/05/2023 23:30	1.4	33	4	1.7	0.00	18.9	72
22/05/2023 23:40	1.1	30	5	1.4	0.00	18.7	71
22/05/2023 23:50	0.6	184	16	1.0	0.00	18.3	71
23/05/2023 00:00	0.4	23	52	0.9	0.00	18.0	71
23/05/2023 00:10	1.3	178	17	2.2	0.00	18.4	69
23/05/2023 00:20	1.6	179	12	2.2	0.00	18.8	65
23/05/2023 00:30	0.7	145	34	1.4	0.00	18.3	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/05/2023 00:40	0.5	154	42	1.2	0.00	18.3	64
23/05/2023 00:50	0.9	162	25	1.7	0.00	18.1	63
23/05/2023 01:00	1.1	162	21	2.1	0.00	18.2	63
23/05/2023 01:10	1.4	164	18	2.4	0.00	18.5	62
23/05/2023 01:20	1.7	168	13	2.9	0.00	19.1	59
23/05/2023 01:30	1.3	153	24	2.2	0.00	18.6	60
23/05/2023 01:40	1.6	156	18	2.5	0.00	18.7	60
23/05/2023 01:50	1.4	157	18	2.3	0.00	19.1	58
23/05/2023 02:00	1.9	151	16	2.7	0.00	19.0	57
23/05/2023 02:10	0.7	131	40	1.4	0.00	18.6	57
23/05/2023 02:20	1.2	163	53	2.1	0.00	18.3	58
23/05/2023 02:30	2.4	179	9	3.6	0.00	18.7	55
23/05/2023 02:40	1.8	186	12	2.6	0.00	18.7	54
23/05/2023 02:50	2.0	179	14	3.0	0.00	18.6	54
23/05/2023 03:00	2.3	183	11	3.2	0.00	18.6	54
23/05/2023 03:10	2.4	178	10	3.5	0.00	18.7	54
23/05/2023 03:20	2.0	178	11	2.7	0.00	18.7	54
23/05/2023 03:30	1.1	101	23	1.8	0.00	18.0	55
23/05/2023 03:40	1.3	53	9	2.0	0.00	17.3	58
23/05/2023 03:50	1.6	70	10	2.3	0.00	16.3	62
23/05/2023 04:00	1.7	94	12	2.5	0.00	16.1	65
23/05/2023 04:10	1.4	86	14	2.0	0.00	16.4	65
23/05/2023 04:20	1.9	85	8	2.7	0.00	16.5	65
23/05/2023 04:30	1.9	91	10	2.6	0.00	16.3	67
23/05/2023 04:40	1.8	92	12	2.4	0.00	16.4	67
23/05/2023 04:50	2.2	86	7	3.0	0.00	16.3	67
23/05/2023 05:00	1.9	89	12	2.7	0.00	16.4	66
23/05/2023 05:10	2.1	86	8	2.6	0.00	16.7	64
23/05/2023 05:20	2.5	86	10	3.2	0.00	16.8	61
23/05/2023 05:30	2.1	94	10	2.8	0.00	17.0	60
23/05/2023 05:40	2.1	84	10	3.0	0.00	17.0	58
23/05/2023 05:50	2.3	86	10	3.2	0.00	16.9	59
23/05/2023 06:00	2.8	91	12	4.5	0.00	17.1	58
23/05/2023 06:10	3.1	101	11	4.9	0.00	17.4	58
23/05/2023 06:20	2.5	96	10	3.5	0.00	17.3	59
23/05/2023 06:30	1.6	80	7	2.1	0.00	17.1	62
23/05/2023 06:40	1.2	75	13	1.8	0.00	17.0	64
23/05/2023 06:50	2.0	97	14	3.2	0.00	17.2	65
23/05/2023 07:00	2.5	107	15	4.0	0.00	17.8	64
23/05/2023 07:10	3.1	109	14	5.4	0.00	18.1	62
23/05/2023 07:20	3.8	109	11	5.7	0.00	18.8	56
23/05/2023 07:30	4.2	104	11	6.0	0.00	19.3	51
23/05/2023 07:40	5.0	103	11	7.6	0.00	20.1	46
23/05/2023 07:50	5.3	101	10	7.8	0.00	20.4	44
23/05/2023 08:00	5.3	99	10	8.1	0.00	20.4	44
23/05/2023 08:10	6.7	93	7	9.7	0.00	20.3	45
23/05/2023 08:20	7.2	97	7	9.7	0.00	20.6	45
23/05/2023 08:30	7.0	94	8	9.5	0.00	20.7	45



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/05/2023 08:40	6.4	95	10	8.9	0.00	20.7	47
23/05/2023 08:50	5.6	95	8	7.4	0.00	20.3	49
23/05/2023 09:00	5.4	97	10	7.1	0.00	20.6	49
23/05/2023 09:10	5.1	100	10	6.9	0.00	21.2	50
23/05/2023 09:20	5.4	99	10	8.0	0.00	21.1	52
23/05/2023 09:30	5.8	95	8	7.8	0.00	21.4	52
23/05/2023 09:40	6.1	95	9	8.2	0.00	22.0	53
23/05/2023 09:50	7.0	94	8	9.7	0.00	22.6	50
23/05/2023 10:00	7.6	93	10	10.0	0.00	22.8	49
23/05/2023 10:10	6.4	94	8	8.9	0.00	22.5	50
23/05/2023 10:20	6.4	93	9	9.0	0.00	23.0	51
23/05/2023 10:30	7.0	93	9	9.9	0.00	23.5	49
23/05/2023 10:40	6.8	87	9	9.2	0.00	23.3	48
23/05/2023 10:50	6.6	84	9	8.6	0.00	23.1	49
23/05/2023 11:00	6.3	81	8	9.0	0.00	23.1	49
23/05/2023 11:10	6.4	83	10	9.0	0.00	23.5	48
23/05/2023 11:20	7.4	74	8	10.5	0.00	23.5	47
23/05/2023 11:30	7.1	85	9	10.4	0.00	23.8	48
23/05/2023 11:40	7.0	86	10	10.1	0.00	23.4	49
23/05/2023 11:50	6.6	83	9	8.8	0.00	23.6	48
23/05/2023 12:00	6.5	86	8	9.4	0.00	23.8	48
23/05/2023 12:10	7.8	87	7	10.5	0.00	24.1	46
23/05/2023 12:20	6.5	89	10	9.2	0.00	24.2	47
23/05/2023 12:30	7.5	96	8	10.6	0.00	24.2	45
23/05/2023 12:40	6.7	93	12	9.2	0.00	24.4	44
23/05/2023 12:50	7.1	92	9	10.3	0.00	24.7	40
23/05/2023 13:00	7.0	84	8	9.8	0.00	24.8	39
23/05/2023 13:10	5.9	89	10	8.9	0.00	25.1	40
23/05/2023 13:20	7.0	86	9	9.3	0.00	25.0	37
23/05/2023 13:30	6.5	93	10	9.5	0.00	25.0	39
23/05/2023 13:40	6.3	91	10	8.8	0.00	24.8	39
23/05/2023 13:50	6.2	89	10	8.7	0.00	24.8	39
23/05/2023 14:00	6.1	87	9	8.1	0.00	24.8	40
23/05/2023 14:10	6.6	85	10	9.1	0.00	24.9	41
23/05/2023 14:20	6.1	83	9	9.0	0.00	25.0	40
23/05/2023 14:30	5.5	82	10	8.2	0.00	25.3	41
23/05/2023 14:40	5.4	81	10	7.4	0.00	25.2	42
23/05/2023 14:50	6.2	72	7	8.1	0.00	24.8	40
23/05/2023 15:00	5.7	78	10	8.6	0.00	25.6	32
23/05/2023 15:10	5.9	82	7	7.7	0.00	25.2	31
23/05/2023 15:20	5.0	73	11	7.0	0.00	25.2	32
23/05/2023 15:30	5.8	62	8	7.3	0.00	25.5	28
23/05/2023 15:40	5.5	66	9	7.4	0.00	25.2	31
23/05/2023 15:50	5.5	67	8	7.5	0.00	25.3	31
23/05/2023 16:00	5.5	66	10	7.4	0.00	25.2	32
23/05/2023 16:10	5.3	61	9	7.3	0.00	25.2	32
23/05/2023 16:20	4.7	59	9	6.4	0.00	25.0	34
23/05/2023 16:30	4.5	55	8	6.0	0.00	24.9	37



# Yara Pilbara Nitrates- Western Boundary 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/05/2023 16:40	3.9	59	11	5.4	0.00	24.9	38
23/05/2023 16:50	3.8	52	9	5.0	0.00	24.7	41
23/05/2023 17:00	3.7	55	7	4.8	0.00	24.1	42
23/05/2023 17:10	2.9	63	8	3.9	0.00	23.6	44
23/05/2023 17:20	2.5	64	8	3.4	0.00	23.3	43
23/05/2023 17:30	2.3	72	8	3.1	0.00	23.0	46
23/05/2023 17:40	1.9	73	7	2.5	0.00	22.7	50
23/05/2023 17:50	1.6	79	8	2.2	0.00	22.5	53
23/05/2023 18:00	1.6	69	7	2.0	0.00	22.3	55
23/05/2023 18:10	0.9	60	7	1.5	0.00	21.8	56
23/05/2023 18:20	0.8	47	5	1.0	0.00	21.5	56
23/05/2023 18:30	0.6	78	12	0.9	0.00	21.3	57
23/05/2023 18:40	0.8	65	7	1.0	0.00	21.2	58
23/05/2023 18:50	0.6	75	7	0.8	0.00	21.0	59
23/05/2023 19:00	1.0	75	7	1.3	0.00	21.0	60
23/05/2023 19:10	0.6	92	7	0.8	0.00	20.8	60
23/05/2023 19:20	0.4	74	14	0.6	0.00	20.6	61
23/05/2023 19:30	0.2	59	16	0.3	0.00	20.4	62
23/05/2023 19:40	0.3	79	11	0.4	0.00	20.3	62
23/05/2023 19:50	0.6	53	7	0.7	0.00	20.6	61
23/05/2023 20:00	0.6	64	4	0.7	0.00	20.7	61
23/05/2023 20:10	0.6	77	3	0.7	0.00	20.4	62
23/05/2023 20:20	0.5	77	5	0.6	0.00	20.1	62
23/05/2023 20:30	0.4	104	11	0.5	0.00	20.0	63
23/05/2023 20:40	0.4	83	11	0.5	0.00	20.3	64
23/05/2023 20:50	0.3	59	17	0.5	0.00	20.4	64
23/05/2023 21:00	0.7	50	10	0.9	0.00	20.3	63
23/05/2023 21:10	0.8	67	3	0.9	0.00	19.7	66
23/05/2023 21:20	0.9	56	4	1.0	0.00	20.0	68
23/05/2023 21:30	0.8	53	3	0.8	0.00	20.2	68
23/05/2023 21:40	0.7	58	4	0.8	0.00	20.1	64
23/05/2023 21:50	0.9	64	3	0.9	0.00	19.3	65
23/05/2023 22:00	0.8	43	4	0.9	0.00	19.7	67
23/05/2023 22:10	1.0	48	7	1.2	0.00	20.1	67
23/05/2023 22:20	1.0	62	3	1.1	0.00	19.3	67
23/05/2023 22:30	0.7	45	7	1.0	0.00	19.1	67
23/05/2023 22:40	0.4	153	29	0.6	0.00	17.8	69
23/05/2023 22:50	1.2	265	6	1.4	0.00	17.4	72
23/05/2023 23:00	1.5	261	6	1.6	0.00	17.8	73
23/05/2023 23:10	1.1	223	18	1.3	0.00	17.7	73
23/05/2023 23:20	0.5	283	19	1.0	0.00	18.4	73
23/05/2023 23:30	0.3	338	22	0.5	0.00	18.6	70
23/05/2023 23:40	0.5	63	11	0.7	0.00	17.5	71
23/05/2023 23:50	0.7	54	12	1.0	0.00	17.4	73
24/05/2023 00:00	0.6	24	17	0.8	0.00	18.0	73
24/05/2023 00:10	0.6	42	11	0.8	0.00	18.9	70
24/05/2023 00:20	0.6	88	33	1.0	0.00	18.5	69
24/05/2023 00:30	1.1	66	11	1.4	0.00	18.2	70



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/05/2023 00:40	1.1	47	6	1.4	0.00	17.6	70
24/05/2023 00:50	0.9	33	6	1.1	0.00	17.7	71
24/05/2023 01:00	1.8	49	4	2.1	0.00	18.4	69
24/05/2023 01:10	1.9	55	3	2.2	0.00	17.8	70
24/05/2023 01:20	1.9	47	3	2.1	0.00	17.7	69
24/05/2023 01:30	1.5	53	8	2.0	0.00	17.5	69
24/05/2023 01:40	1.6	42	6	1.9	0.00	17.9	68
24/05/2023 01:50	1.2	50	5	1.4	0.00	17.9	67
24/05/2023 02:00	1.2	45	6	1.4	0.00	18.1	65
24/05/2023 02:10	0.8	58	10	1.2	0.00	17.3	68
24/05/2023 02:20	0.4	73	23	0.6	0.00	16.6	70
24/05/2023 02:30	1.0	37	8	1.2	0.00	16.7	71
24/05/2023 02:40	1.3	46	4	1.6	0.00	17.0	69
24/05/2023 02:50	1.6	48	5	2.0	0.00	16.6	70
24/05/2023 03:00	1.4	33	5	1.5	0.00	16.4	70
24/05/2023 03:10	1.0	286	30	1.5	0.00	16.0	72
24/05/2023 03:20	1.5	266	8	2.0	0.00	16.1	73
24/05/2023 03:30	0.6	302	13	1.0	0.00	16.3	72
24/05/2023 03:40	0.8	27	21	1.2	0.00	16.1	71
24/05/2023 03:50	0.5	249	39	1.2	0.00	16.5	70
24/05/2023 04:00	0.8	171	69	2.1	0.00	17.1	63
24/05/2023 04:10	1.2	30	18	1.8	0.00	17.6	55
24/05/2023 04:20	0.8	128	72	1.7	0.00	17.8	53
24/05/2023 04:30	1.2	195	41	2.1	0.00	17.9	52
24/05/2023 04:40	1.4	227	29	2.6	0.00	18.2	51
24/05/2023 04:50	1.8	181	18	2.6	0.00	18.8	48
24/05/2023 05:00	2.2	192	14	4.0	0.00	18.8	45
24/05/2023 05:10	3.4	200	13	4.6	0.00	19.8	38
24/05/2023 05:20	4.0	191	9	5.3	0.00	20.1	37
24/05/2023 05:30	3.2	194	9	4.8	0.00	20.1	36
24/05/2023 05:40	1.3	245	32	2.4	0.00	18.9	39
24/05/2023 05:50	1.5	245	34	2.9	0.00	18.9	39
24/05/2023 06:00	2.4	199	16	4.4	0.00	19.1	37
24/05/2023 06:10	3.6	202	11	5.4	0.00	20.1	35
24/05/2023 06:20	3.6	204	10	5.6	0.00	20.4	34
24/05/2023 06:30	3.1	200	14	5.4	0.00	20.3	34
24/05/2023 06:40	3.4	198	17	5.3	0.00	20.2	34
24/05/2023 06:50	2.8	191	15	4.8	0.00	20.5	32
24/05/2023 07:00	2.1	192	17	3.5	0.00	20.1	33
24/05/2023 07:10	1.5	246	25	2.4	0.00	19.1	36
24/05/2023 07:20	1.3	174	48	2.3	0.00	19.3	36
24/05/2023 07:30	1.9	173	25	3.9	0.00	20.5	32
24/05/2023 07:40	2.8	181	13	4.5	0.00	21.0	30
24/05/2023 07:50	2.0	185	13	3.3	0.00	21.0	30
24/05/2023 08:00	1.2	171	45	1.9	0.00	21.3	29
24/05/2023 08:10	2.0	151	26	3.7	0.00	21.4	30
24/05/2023 08:20	1.4	190	43	3.0	0.00	21.3	29
24/05/2023 08:30	2.5	185	18	4.3	0.00	21.1	29





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/05/2023 08:40	1.5	163	53	3.5	0.00	21.4	30
24/05/2023 08:50	1.8	142	20	3.4	0.00	21.6	30
24/05/2023 09:00	2.1	175	22	3.4	0.00	21.9	29
24/05/2023 09:10	1.7	160	21	2.9	0.00	22.4	28
24/05/2023 09:20	2.0	128	20	3.2	0.00	23.6	25
24/05/2023 09:30	2.6	129	16	4.3	0.00	23.9	24
24/05/2023 09:40	2.2	135	21	4.5	0.00	24.1	24
24/05/2023 09:50	2.7	130	23	4.4	0.00	24.3	23
24/05/2023 10:00	2.4	124	19	4.4	0.00	24.6	23
24/05/2023 10:10	2.3	124	23	4.5	0.00	24.9	23
24/05/2023 10:20	3.2	105	14	4.8	0.00	24.4	24
24/05/2023 10:30	2.3	119	17	4.0	0.00	24.3	26
24/05/2023 10:40	2.0	115	18	3.8	0.00	24.9	25
24/05/2023 10:50	2.4	111	16	4.6	0.00	25.1	25
24/05/2023 11:00	2.7	111	15	4.2	0.00	25.1	25
24/05/2023 11:10	3.3	88	12	4.8	0.00	25.4	25
24/05/2023 11:20	3.5	92	12	5.0	0.00	25.7	25
24/05/2023 11:30	4.3	73	8	5.9	0.00	25.4	25
24/05/2023 11:40	4.3	81	9	5.8	0.00	25.5	25
24/05/2023 11:50	4.2	79	9	6.0	0.00	25.9	25
24/05/2023 12:00	3.9	72	12	5.7	0.00	26.1	28
24/05/2023 12:10	4.5	53	8	5.9	0.00	25.6	30
24/05/2023 12:20	4.6	52	7	6.7	0.00	26.1	29
24/05/2023 12:30	3.6	53	10	5.3	0.00	26.2	29
24/05/2023 12:40	4.3	53	9	6.1	0.00	26.8	26
24/05/2023 12:50	4.6	55	9	6.1	0.00	26.4	29
24/05/2023 13:00	4.5	54	8	5.9	0.00	26.4	28
24/05/2023 13:10	4.0	53	10	5.6	0.00	26.7	28
24/05/2023 13:20	3.8	49	10	5.5	0.00	27.1	28
24/05/2023 13:30	4.9	48	9	6.4	0.00	27.1	27
24/05/2023 13:40	5.2	60	8	6.7	0.00	27.2	27
24/05/2023 13:50	5.1	66	8	6.8	0.00	27.3	26
24/05/2023 14:00	5.3	71	8	7.5	0.00	27.6	25
24/05/2023 14:10	6.0	69	8	8.2	0.00	27.4	25
24/05/2023 14:20	6.0	69	8	7.7	0.00	27.2	25
24/05/2023 14:30	5.4	67	7	6.9	0.00	27.3	24
24/05/2023 14:40	5.4	65	7	6.8	0.00	27.3	24
24/05/2023 14:50	5.3	65	8	7.1	0.00	27.3	24
24/05/2023 15:00	5.3	64	8	7.2	0.00	27.3	25
24/05/2023 15:10	5.3	62	8	6.9	0.00	26.9	27
24/05/2023 15:20	5.5	60	9	7.3	0.00	26.7	28
24/05/2023 15:30	5.0	57	9	6.6	0.00	26.8	26
24/05/2023 15:40	5.5	56	7	7.4	0.00	26.7	25
24/05/2023 15:50	5.2	64	7	7.0	0.00	26.9	23
24/05/2023 16:00	4.7	64	8	6.3	0.00	27.2	21
24/05/2023 16:10	4.8	61	6	6.4	0.00	27.3	21
24/05/2023 16:20	4.2	60	8	6.0	0.00	27.4	21
24/05/2023 16:30	4.4	60	8	5.7	0.00	27.4	21



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/05/2023 16:40	3.6	64	8	5.3	0.00	27.4	22
24/05/2023 16:50	3.9	64	8	5.2	0.00	27.2	23
24/05/2023 17:00	3.4	61	8	4.7	0.00	27.0	23
24/05/2023 17:10	2.5	60	7	3.5	0.00	26.9	23
24/05/2023 17:20	2.6	53	6	3.3	0.00	26.3	25
24/05/2023 17:30	2.6	45	10	3.6	0.00	25.5	26
24/05/2023 17:40	2.6	42	7	3.8	0.00	25.4	24
24/05/2023 17:50	2.2	37	8	3.1	0.00	25.2	24
24/05/2023 18:00	2.5	26	7	3.3	0.00	25.1	26
24/05/2023 18:10	2.3	27	8	3.2	0.00	25.0	29
24/05/2023 18:20	1.6	37	11	2.4	0.00	24.6	31
24/05/2023 18:30	1.3	58	16	2.4	0.00	24.1	32
24/05/2023 18:40	0.6	192	71	1.2	0.00	23.7	32
24/05/2023 18:50	1.3	221	24	2.0	0.00	23.9	31
24/05/2023 19:00	1.9	263	11	2.6	0.00	24.2	32
24/05/2023 19:10	1.1	155	38	2.0	0.00	24.0	33
24/05/2023 19:20	1.2	16	16	2.1	0.00	23.9	32
24/05/2023 19:30	0.5	345	40	1.2	0.00	23.4	33
24/05/2023 19:40	0.6	261	47	1.2	0.00	23.4	34
24/05/2023 19:50	0.6	206	79	1.4	0.00	23.5	35
24/05/2023 20:00	0.9	205	21	1.4	0.00	23.4	37
24/05/2023 20:10	2.0	251	12	3.1	0.00	22.2	46
24/05/2023 20:20	3.2	266	5	3.9	0.00	21.6	52
24/05/2023 20:30	2.8	273	3	3.1	0.00	22.1	55
24/05/2023 20:40	2.8	272	4	3.3	0.00	22.1	55
24/05/2023 20:50	3.0	272	5	4.1	0.00	22.0	57
24/05/2023 21:00	3.0	272	6	3.7	0.00	21.9	56
24/05/2023 21:10	2.8	273	7	3.5	0.00	21.8	52
24/05/2023 21:20	3.1	273	4	3.7	0.00	21.8	50
24/05/2023 21:30	3.2	272	5	3.9	0.00	21.6	50
24/05/2023 21:40	3.3	270	5	3.9	0.00	21.5	52
24/05/2023 21:50	3.3	272	4	3.7	0.00	21.4	54
24/05/2023 22:00	3.5	274	4	4.1	0.00	21.3	56
24/05/2023 22:10	3.4	279	5	4.1	0.00	21.3	57
24/05/2023 22:20	3.7	271	3	4.4	0.00	21.0	56
24/05/2023 22:30	3.8	273	4	4.7	0.00	20.8	56
24/05/2023 22:40	3.8	272	5	4.5	0.00	20.9	55
24/05/2023 22:50	3.8	274	5	5.0	0.00	20.9	55
24/05/2023 23:00	3.8	274	5	4.6	0.00	20.9	54
24/05/2023 23:10	4.0	272	4	4.8	0.00	20.8	53
24/05/2023 23:20	4.0	272	4	4.9	0.00	20.7	53
24/05/2023 23:30	3.6	275	4	4.3	0.00	20.7	52
24/05/2023 23:40	3.6	275	5	4.1	0.00	20.9	50
24/05/2023 23:50	3.9	272	5	4.8	0.00	20.9	49
25/05/2023 00:00	4.2	270	6	5.1	0.00	21.1	46
25/05/2023 00:10	4.1	272	4	4.6	0.00	21.0	45
25/05/2023 00:20	3.9	271	5	4.5	0.00	20.9	44
25/05/2023 00:30	3.8	265	8	4.9	0.00	21.1	42



## Yara Pilbara Nitrates- Western Boundary 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/05/2023 00:40	3.6	262	9	5.0	0.00	21.3	41
25/05/2023 00:50	3.9	261	10	5.4	0.00	21.2	40
25/05/2023 01:00	3.6	265	8	4.8	0.00	21.2	39
25/05/2023 01:10	3.7	269	7	4.7	0.00	21.3	37
25/05/2023 01:20	3.1	272	8	4.1	0.00	21.1	37
25/05/2023 01:30	3.2	277	8	4.0	0.00	21.5	35
25/05/2023 01:40	3.1	271	10	4.0	0.00	21.5	35
25/05/2023 01:50	2.3	270	15	3.4	0.00	20.9	36
25/05/2023 02:00	1.3	266	30	2.8	0.00	20.5	36
25/05/2023 02:10	0.6	227	59	1.7	0.00	20.3	36
25/05/2023 02:20	0.8	273	29	1.5	0.00	20.7	35
25/05/2023 02:30	0.9	283	28	1.7	0.00	20.9	34
25/05/2023 02:40	1.4	284	9	2.0	0.00	21.3	33
25/05/2023 02:50	0.9	154	44	1.7	0.00	20.8	34
25/05/2023 03:00	1.3	58	20	2.0	0.00	19.4	37
25/05/2023 03:10	2.5	48	4	3.1	0.00	19.3	38
25/05/2023 03:20	2.3	45	4	2.9	0.00	18.9	41
25/05/2023 03:30	2.1	53	7	2.7	0.00	18.7	43
25/05/2023 03:40	2.4	69	5	3.0	0.00	18.7	42
25/05/2023 03:50	2.3	84	8	3.0	0.00	18.8	42
25/05/2023 04:00	2.2	71	5	2.8	0.00	18.5	43
25/05/2023 04:10	2.0	76	4	2.5	0.00	18.7	46
25/05/2023 04:20	1.8	84	7	2.2	0.00	18.3	48
25/05/2023 04:30	1.6	83	7	1.8	0.00	18.0	50
25/05/2023 04:40	1.5	71	5	1.7	0.00	17.8	53
25/05/2023 04:50	1.6	64	3	1.8	0.00	18.0	57
25/05/2023 05:00	2.2	58	3	2.5	0.00	18.3	62
25/05/2023 05:10	1.9	60	6	2.3	0.00	18.3	62
25/05/2023 05:20	1.7	56	6	2.1	0.00	17.8	62
25/05/2023 05:30	2.0	76	8	2.5	0.00	17.6	63
25/05/2023 05:40	1.7	71	11	2.5	0.00	17.9	62
25/05/2023 05:50	1.5	46	13	2.3	0.00	18.1	60
25/05/2023 06:00	1.6	52	11	2.4	0.00	18.6	59
25/05/2023 06:10	1.7	54	7	2.1	0.00	18.8	55
25/05/2023 06:20	1.8	39	6	2.2	0.00	19.0	49
25/05/2023 06:30	1.7	38	11	2.4	0.00	19.0	44
25/05/2023 06:40	1.4	81	32	2.5	0.00	18.7	42
25/05/2023 06:50	2.1	164	15	3.7	0.00	20.1	35
25/05/2023 07:00	1.3	125	25	2.1	0.00	20.3	35
25/05/2023 07:10	1.4	70	19	2.6	0.00	18.4	45
25/05/2023 07:20	1.7	60	15	2.5	0.00	18.8	40
25/05/2023 07:30	1.6	62	18	2.3	0.00	19.3	37
25/05/2023 07:40	1.9	59	10	2.5	0.00	19.7	36
25/05/2023 07:50	1.6	63	10	2.5	0.00	20.3	35
25/05/2023 08:00	1.4	92	19	2.1	0.00	21.1	34
25/05/2023 08:10	2.0	105	12	2.8	0.00	22.1	29
25/05/2023 08:20	1.9	102	11	2.7	0.00	22.6	28
25/05/2023 08:30	2.1	99	10	3.1	0.00	22.7	28



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/05/2023 08:40	2.7	103	10	3.9	0.00	22.7	29
25/05/2023 08:50	2.7	103	13	4.2	0.00	22.6	28
25/05/2023 09:00	2.9	98	11	4.3	0.00	22.4	28
25/05/2023 09:10	2.7	97	11	3.8	0.00	22.5	29
25/05/2023 09:20	2.6	103	14	4.4	0.00	22.7	30
25/05/2023 09:30	2.7	105	16	3.7	0.00	22.7	31
25/05/2023 09:40	2.6	104	15	3.9	0.00	23.0	31
25/05/2023 09:50	3.2	104	15	5.3	0.00	23.2	31
25/05/2023 10:00	2.8	101	15	4.4	0.00	23.6	32
25/05/2023 10:10	3.1	100	13	4.2	0.00	24.1	30
25/05/2023 10:20	3.4	93	8	5.1	0.00	24.6	27
25/05/2023 10:30	3.4	96	8	4.9	0.00	25.2	27
25/05/2023 10:40	3.4	92	10	5.1	0.00	25.8	28
25/05/2023 10:50	4.2	92	10	5.8	0.00	26.2	26
25/05/2023 11:00	5.5	74	6	7.4	0.00	26.2	26
25/05/2023 11:10	5.6	76	8	7.2	0.00	26.0	29
25/05/2023 11:20	5.8	80	10	7.7	0.00	26.1	30
25/05/2023 11:30	5.6	78	8	7.4	0.00	26.4	30
25/05/2023 11:40	5.4	85	9	8.2	0.00	26.7	30
25/05/2023 11:50	5.2	91	10	7.2	0.00	26.9	28
25/05/2023 12:00	5.1	75	9	7.1	0.00	26.8	30
25/05/2023 12:10	5.5	77	10	7.1	0.00	26.5	31
25/05/2023 12:20	5.3	73	8	7.1	0.00	26.5	33
25/05/2023 12:30	5.8	72	8	8.5	0.00	26.5	34
25/05/2023 12:40	6.2	74	8	9.0	0.00	26.4	34
25/05/2023 12:50	6.7	79	8	8.7	0.00	26.4	32
25/05/2023 13:00	6.2	82	9	8.3	0.00	26.7	29
25/05/2023 13:10	5.5	72	10	7.7	0.00	26.9	30
25/05/2023 13:20	5.8	59	9	7.9	0.00	27.0	27
25/05/2023 13:30	5.2	61	10	7.5	0.00	27.4	27
25/05/2023 13:40	4.8	47	10	6.7	0.00	27.7	29
25/05/2023 13:50	5.3	49	9	6.9	0.00	27.8	27
25/05/2023 14:00	5.3	57	10	7.5	0.00	27.7	27
25/05/2023 14:10	5.9	58	7	7.7	0.00	27.9	26
25/05/2023 14:20	5.2	61	8	6.9	0.00	28.1	25
25/05/2023 14:30	5.1	62	9	7.5	0.00	28.3	24
25/05/2023 14:40	5.3	56	7	7.1	0.00	28.4	23
25/05/2023 14:50	5.3	59	8	6.9	0.00	28.2	22
25/05/2023 15:00	5.2	56	8	7.2	0.00	28.3	22
25/05/2023 15:10	5.2	53	7	6.8	0.00	28.4	21
25/05/2023 15:20	5.2	59	7	6.8	0.00	28.4	20
25/05/2023 15:30	5.2	56	9	7.2	0.00	28.3	20
25/05/2023 15:40	5.2	52	6	7.1	0.00	28.5	20
25/05/2023 15:50	5.6	57	6	7.6	0.00	28.4	20
25/05/2023 16:00	5.7	59	7	8.1	0.00	28.4	21
25/05/2023 16:10	4.8	57	7	6.5	0.00	28.7	21
25/05/2023 16:20	4.1	60	8	5.7	0.00	28.7	22
25/05/2023 16:30	4.8	59	7	7.3	0.00	28.2	25



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/05/2023 16:40	4.6	60	8	6.4	0.00	28.0	26
25/05/2023 16:50	4.0	60	8	5.7	0.00	27.8	26
25/05/2023 17:00	4.4	59	6	5.7	0.00	27.4	28
25/05/2023 17:10	3.7	58	7	4.8	0.00	27.1	30
25/05/2023 17:20	3.0	53	7	3.9	0.00	26.5	32
25/05/2023 17:30	2.9	54	5	3.6	0.00	25.5	34
25/05/2023 17:40	2.7	51	6	3.7	0.00	25.1	36
25/05/2023 17:50	1.8	54	10	2.6	0.00	24.7	37
25/05/2023 18:00	0.9	55	21	1.7	0.00	24.2	38
25/05/2023 18:10	0.4	182	54	0.8	0.00	24.0	38
25/05/2023 18:20	0.5	216	17	0.8	0.00	24.0	38
25/05/2023 18:30	0.5	222	17	0.8	0.00	24.1	38
25/05/2023 18:40	0.7	222	8	0.9	0.00	24.2	39
25/05/2023 18:50	0.7	126	17	1.0	0.00	23.9	40
25/05/2023 19:00	0.3	127	55	0.5	0.00	23.6	40
25/05/2023 19:10	0.3	151	38	0.5	0.00	23.3	40
25/05/2023 19:20	0.6	139	14	0.9	0.00	22.8	42
25/05/2023 19:30	0.5	137	17	0.7	0.00	22.7	42
25/05/2023 19:40	0.3	142	32	0.6	0.00	22.4	41
25/05/2023 19:50	0.5	95	23	0.9	0.00	22.4	46
25/05/2023 20:00	0.7	109	18	1.1	0.00	22.5	53
25/05/2023 20:10	0.7	98	18	1.2	0.00	22.0	61
25/05/2023 20:20	0.8	82	10	1.1	0.00	21.7	58
25/05/2023 20:30	0.8	68	11	1.1	0.00	21.7	62
25/05/2023 20:40	0.8	42	8	1.0	0.00	21.7	66
25/05/2023 20:50	0.7	51	7	0.9	0.00	21.5	69
25/05/2023 21:00	1.0	38	7	1.3	0.00	21.4	71
25/05/2023 21:10	1.2	47	7	1.6	0.00	21.1	72
25/05/2023 21:20	1.1	51	9	1.7	0.00	20.6	72
25/05/2023 21:30	1.3	53	14	1.7	0.00	20.6	72
25/05/2023 21:40	1.2	43	6	1.5	0.00	20.5	71
25/05/2023 21:50	1.3	45	6	1.7	0.00	20.7	69
25/05/2023 22:00	1.6	52	7	2.0	0.00	20.3	69
25/05/2023 22:10	1.5	44	4	1.9	0.00	20.4	67
25/05/2023 22:20	1.6	49	3	2.0	0.00	20.3	67
25/05/2023 22:30	1.8	53	4	2.1	0.00	20.3	67
25/05/2023 22:40	1.8	49	4	2.2	0.00	20.5	66
25/05/2023 22:50	1.9	52	7	2.2	0.00	20.8	65
25/05/2023 23:00	1.6	53	7	2.1	0.00	20.7	65
25/05/2023 23:10	1.2	56	8	1.7	0.00	20.2	64
25/05/2023 23:20	1.3	77	7	1.8	0.00	19.9	65
25/05/2023 23:30	1.5	61	5	1.7	0.00	20.3	62
25/05/2023 23:40	1.3	62	7	1.7	0.00	20.3	60
25/05/2023 23:50	1.0	55	7	1.5	0.00	20.4	58
26/05/2023 00:00	1.4	46	5	1.8	0.00	20.3	56
26/05/2023 00:10	1.0	72	13	1.5	0.00	20.1	54
26/05/2023 00:20	0.5	72	52	0.9	0.00	20.3	53
26/05/2023 00:30	0.8	38	30	1.4	0.00	20.3	52



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/05/2023 00:40	0.7	37	50	1.3	0.00	20.0	52
26/05/2023 00:50	1.2	135	44	2.5	0.00	20.8	48
26/05/2023 01:00	1.4	162	11	2.1	0.00	21.4	45
26/05/2023 01:10	1.4	168	9	2.0	0.00	21.2	45
26/05/2023 01:20	0.9	168	13	1.4	0.00	21.0	45
26/05/2023 01:30	0.6	152	37	1.1	0.00	20.5	45
26/05/2023 01:40	0.6	87	28	1.4	0.00	20.7	43
26/05/2023 01:50	1.0	67	15	1.8	0.00	20.8	41
26/05/2023 02:00	1.7	70	10	2.9	0.00	20.2	42
26/05/2023 02:10	1.7	71	6	2.4	0.00	20.1	42
26/05/2023 02:20	1.4	76	10	1.9	0.00	20.0	41
26/05/2023 02:30	1.5	69	8	2.2	0.00	20.3	41
26/05/2023 02:40	1.7	68	7	2.1	0.00	20.1	42
26/05/2023 02:50	1.7	68	7	2.4	0.00	19.9	44
26/05/2023 03:00	1.5	70	7	2.0	0.00	19.8	45
26/05/2023 03:10	1.3	72	9	1.9	0.00	19.6	47
26/05/2023 03:20	1.3	81	11	1.7	0.00	19.4	48
26/05/2023 03:30	1.3	95	9	1.8	0.00	19.3	48
26/05/2023 03:40	1.4	85	8	1.9	0.00	19.6	47
26/05/2023 03:50	1.6	85	7	2.0	0.00	19.2	48
26/05/2023 04:00	1.5	86	6	1.9	0.00	18.8	49
26/05/2023 04:10	1.4	69	6	1.6	0.00	18.8	49
26/05/2023 04:20	1.6	68	10	2.1	0.00	19.2	47
26/05/2023 04:30	1.5	69	14	1.9	0.00	19.3	44
26/05/2023 04:40	1.6	65	10	2.0	0.00	19.1	44
26/05/2023 04:50	1.8	63	9	2.3	0.00	19.3	42
26/05/2023 05:00	1.6	68	10	2.2	0.00	18.9	43
26/05/2023 05:10	1.8	89	20	3.2	0.00	19.2	44
26/05/2023 05:20	1.8	100	15	3.2	0.00	19.9	41
26/05/2023 05:30	1.7	107	23	2.9	0.00	19.8	39
26/05/2023 05:40	1.6	95	18	2.7	0.00	19.9	39
26/05/2023 05:50	1.9	97	22	3.6	0.00	19.7	43
26/05/2023 06:00	3.5	101	12	6.2	0.00	20.4	42
26/05/2023 06:10	3.7	107	15	6.6	0.00	20.7	42
26/05/2023 06:20	3.5	110	18	5.6	0.00	20.9	43
26/05/2023 06:30	2.8	107	20	5.5	0.00	20.7	44
26/05/2023 06:40	2.1	106	29	4.4	0.00	20.4	45
26/05/2023 06:50	3.2	108	17	5.7	0.00	20.5	44
26/05/2023 07:00	3.7	106	15	6.2	0.00	20.8	46
26/05/2023 07:10	2.8	107	23	5.6	0.00	20.8	46
26/05/2023 07:20	3.0	111	25	5.3	0.00	20.8	45
26/05/2023 07:30	4.1	105	15	6.4	0.00	21.1	44
26/05/2023 07:40	3.8	105	13	6.7	0.00	21.3	44
26/05/2023 07:50	4.1	107	15	6.3	0.00	21.4	45
26/05/2023 08:00	4.4	107	14	7.0	0.00	21.5	46
26/05/2023 08:10	3.8	106	14	6.3	0.00	21.7	46
26/05/2023 08:20	4.4	107	15	8.1	0.00	21.9	46
26/05/2023 08:30	4.5	106	15	7.5	0.00	22.1	46



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/05/2023 08:40	4.9	103	12	7.4	0.00	22.4	47
26/05/2023 08:50	5.5	105	11	9.6	0.00	22.7	47
26/05/2023 09:00	6.0	106	13	10.1	0.00	22.8	46
26/05/2023 09:10	6.5	104	11	10.5	0.00	23.0	46
26/05/2023 09:20	6.5	109	13	9.6	0.00	23.3	45
26/05/2023 09:30	6.4	107	11	9.7	0.00	23.4	46
26/05/2023 09:40	7.1	106	11	10.8	0.00	23.5	44
26/05/2023 09:50	6.7	106	11	9.4	0.00	23.7	45
26/05/2023 10:00	6.3	106	11	9.8	0.00	23.9	44
26/05/2023 10:10	6.5	104	13	10.5	0.00	24.1	44
26/05/2023 10:20	6.7	104	11	10.4	0.00	24.3	43
26/05/2023 10:30							
26/05/2023 10:40							
26/05/2023 10:50	6.5	103	10	9.8	0.00	25.0	42
26/05/2023 11:00	6.8	98	11	9.3	0.00	25.2	41
26/05/2023 11:10	7.1	91	7	9.5	0.00	25.3	43
26/05/2023 11:20	6.8	96	8	9.9	0.00	25.6	40
26/05/2023 11:30	5.9	96	10	8.9	0.00	25.9	41
26/05/2023 11:40	6.7	91	10	9.2	0.00	25.8	42
26/05/2023 11:50	5.9	92	11	8.3	0.00	25.9	42
26/05/2023 12:00	6.9	89	8	10.0	0.00	25.8	42
26/05/2023 12:10	6.7	89	10	9.2	0.00	25.7	43
26/05/2023 12:20	6.5	90	9	9.1	0.00	26.0	41
26/05/2023 12:30	6.2	89	8	8.8	0.00	26.2	40
26/05/2023 12:40	5.6	87	11	8.4	0.00	26.6	40
26/05/2023 12:50	5.5	92	10	8.8	0.00	26.7	39
26/05/2023 13:00	5.8	89	10	8.9	0.00	26.8	38
26/05/2023 13:10	5.9	87	9	8.8	0.00	26.8	38
26/05/2023 13:20	5.9	85	9	8.2	0.00	27.1	36
26/05/2023 13:30	5.5	80	11	7.7	0.00	27.5	35
26/05/2023 13:40	6.6	76	7	8.6	0.00	27.1	36
26/05/2023 13:50	6.1	81	11	9.1	0.00	27.5	34
26/05/2023 14:00	6.5	75	7	8.4	0.00	27.0	36
26/05/2023 14:10	6.2	76	8	8.5	0.00	27.2	36
26/05/2023 14:20	6.0	77	7	8.4	0.00	27.3	35
26/05/2023 14:30	6.0	77	8	8.4	0.00	27.3	34
26/05/2023 14:40	6.0	73	8	8.1	0.00	27.5	34
26/05/2023 14:50	5.8	76	7	7.8	0.00	27.5	33
26/05/2023 15:00	6.2	75	7	8.3	0.00	27.4	33
26/05/2023 15:10	6.9	73	6	8.6	0.00	27.5	32
26/05/2023 15:20	6.7	75	7	8.8	0.00	27.7	31
26/05/2023 15:30	5.5	68	9	7.7	0.00	27.9	31
26/05/2023 15:40	5.8	64	10	8.2	0.00	28.0	30
26/05/2023 15:50	5.7	70	9	8.0	0.00	28.0	29
26/05/2023 16:00	5.6	62	9	7.8	0.00	27.9	30
26/05/2023 16:10	5.6	59	9	8.1	0.00	27.6	32
26/05/2023 16:20	5.2	53	7	6.7	0.00	27.2	36
26/05/2023 16:30	5.2	53	8	7.9	0.00	26.9	37



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/05/2023 16:40	4.9	56	7	6.7	0.00	26.8	36
26/05/2023 16:50	4.9	57	7	6.5	0.00	26.7	36
26/05/2023 17:00	4.4	58	7	6.4	0.00	26.6	37
26/05/2023 17:10	4.1	53	6	5.2	0.00	26.2	39
26/05/2023 17:20	3.8	56	6	5.0	0.00	25.7	40
26/05/2023 17:30	3.3	54	5	4.3	0.00	25.2	41
26/05/2023 17:40	2.7	53	5	3.4	0.00	24.8	41
26/05/2023 17:50	2.4	55	6	3.2	0.00	24.5	43
26/05/2023 18:00	1.9	56	7	2.5	0.00	24.2	44
26/05/2023 18:10	1.2	64	12	2.0	0.00	23.7	46
26/05/2023 18:20	0.9	85	12	1.4	0.00	23.3	47
26/05/2023 18:30	1.2	92	10	1.6	0.00	23.1	50
26/05/2023 18:40	1.2	87	8	1.5	0.00	22.9	52
26/05/2023 18:50	1.1	93	9	1.4	0.00	22.8	52
26/05/2023 19:00	1.1	82	10	1.5	0.00	22.7	53
26/05/2023 19:10	1.0	106	22	1.6	0.00	22.3	56
26/05/2023 19:20	1.3	60	7	1.8	0.00	21.8	61
26/05/2023 19:30	1.0	52	7	1.4	0.00	21.7	60
26/05/2023 19:40	0.9	60	10	1.2	0.00	21.6	61
26/05/2023 19:50	0.8	72	7	1.1	0.00	21.5	64
26/05/2023 20:00	0.7	70	5	0.8	0.00	21.4	65
26/05/2023 20:10	0.8	67	5	0.8	0.00	21.3	65
26/05/2023 20:20	0.8	75	8	1.0	0.00	21.2	67
26/05/2023 20:30	0.9	75	4	1.1	0.00	21.1	69
26/05/2023 20:40	0.8	56	6	0.9	0.00	21.0	71
26/05/2023 20:50	0.8	68	9	0.9	0.00	21.0	73
26/05/2023 21:00	0.9	62	6	1.0	0.00	20.9	73
26/05/2023 21:10	0.9	62	6	1.0	0.00	20.6	73
26/05/2023 21:20	1.0	62	4	1.1	0.00	20.4	74
26/05/2023 21:30	1.2	72	4	1.3	0.00	20.2	74
26/05/2023 21:40	1.1	69	3	1.2	0.00	20.0	74
26/05/2023 21:50	1.4	62	4	1.7	0.00	19.9	74
26/05/2023 22:00	1.5	65	5	1.8	0.00	19.9	75
26/05/2023 22:10	1.5	65	4	1.9	0.00	19.9	74
26/05/2023 22:20	1.4	68	5	1.6	0.00	19.5	75
26/05/2023 22:30	1.3	73	3	1.5	0.00	19.7	75
26/05/2023 22:40	1.4	70	6	2.0	0.00	19.6	75
26/05/2023 22:50	1.5	67	7	2.0	0.00	19.7	75
26/05/2023 23:00	1.6	77	4	2.0	0.00	19.8	71
26/05/2023 23:10	1.4	87	5	1.8	0.00	19.9	68
26/05/2023 23:20	1.5	81	6	2.1	0.00	20.2	69
26/05/2023 23:30	1.0	89	10	1.3	0.00	20.1	70
26/05/2023 23:40	1.2	85	9	2.0	0.00	20.2	72
26/05/2023 23:50	1.8	89	8	2.8	0.00	20.0	70
27/05/2023 00:00	2.6	96	10	3.9	0.00	20.4	60
27/05/2023 00:10	2.9	94	9	3.9	0.00	21.1	54
27/05/2023 00:20	3.0	95	7	4.3	0.00	21.5	52
27/05/2023 00:30	3.4	99	12	5.5	0.00	21.7	51





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/05/2023 00:40	3.4	101	9	5.0	0.00	21.7	52
27/05/2023 00:50	3.4	103	11	5.1	0.00	21.8	51
27/05/2023 01:00	3.7	102	10	5.4	0.00	21.9	52
27/05/2023 01:10	4.0	105	13	6.3	0.00	21.9	51
27/05/2023 01:20	3.8	103	11	5.7	0.00	21.9	50
27/05/2023 01:30	4.1	103	11	6.2	0.00	21.9	50
27/05/2023 01:40	3.8	104	11	5.9	0.00	21.8	52
27/05/2023 01:50	4.2	106	11	6.1	0.00	21.9	50
27/05/2023 02:00	4.8	105	11	7.4	0.00	22.0	50
27/05/2023 02:10	4.4	104	11	6.7	0.00	21.9	50
27/05/2023 02:20	4.4	104	12	6.4	0.00	21.8	51
27/05/2023 02:30	4.4	105	11	6.8	0.00	21.8	51
27/05/2023 02:40	5.3	107	11	8.5	0.00	21.9	49
27/05/2023 02:50	5.9	106	10	9.3	0.00	22.0	47
27/05/2023 03:00	5.7	106	11	8.7	0.00	22.0	47
27/05/2023 03:10	5.6	105	12	8.5	0.00	21.9	47
27/05/2023 03:20	6.6	106	11	9.3	0.00	21.9	46
27/05/2023 03:30	5.8	104	11	8.9	0.00	21.8	47
27/05/2023 03:40	6.0	107	12	9.0	0.00	21.7	47
27/05/2023 03:50	5.6	106	10	9.0	0.00	21.6	47
27/05/2023 04:00	5.5	105	12	9.7	0.00	21.5	47
27/05/2023 04:10	5.6	105	11	8.5	0.00	21.4	47
27/05/2023 04:20	5.9	105	11	8.8	0.00	21.3	46
27/05/2023 04:30	5.8	105	12	8.8	0.00	21.3	46
27/05/2023 04:40	5.3	103	11	7.8	0.00	21.2	46
27/05/2023 04:50	3.7	104	12	6.3	0.00	20.9	49
27/05/2023 05:00	2.1	119	25	4.2	0.00	20.7	49
27/05/2023 05:10	1.8	108	30	3.3	0.00	20.3	50
27/05/2023 05:20	1.7	108	30	3.3	0.00	20.1	50
27/05/2023 05:30	2.4	105	21	4.7	0.00	20.1	48
27/05/2023 05:40	3.1	104	14	4.8	0.00	20.2	48
27/05/2023 05:50	3.5	102	11	5.5	0.00	20.2	48
27/05/2023 06:00	3.1	102	12	4.5	0.00	20.1	50
27/05/2023 06:10	3.4	104	12	5.4	0.00	20.1	48
27/05/2023 06:20	3.6	107	12	5.7	0.00	20.1	46
27/05/2023 06:30	3.5	104	12	5.7	0.00	20.1	47
27/05/2023 06:40	3.3	105	12	6.1	0.00	20.0	47
27/05/2023 06:50	3.1	102	13	4.9	0.00	19.9	46
27/05/2023 07:00	2.8	107	16	4.8	0.00	19.9	47
27/05/2023 07:10	2.3	106	19	4.4	0.00	20.0	48
27/05/2023 07:20	2.9	106	16	4.7	0.00	20.2	45
27/05/2023 07:30	3.0	98	13	4.8	0.00	20.6	45
27/05/2023 07:40	2.8	105	16	5.3	0.00	20.8	44
27/05/2023 07:50	3.4	104	14	5.8	0.00	21.0	42
27/05/2023 08:00	3.2	105	14	4.9	0.00	21.0	42
27/05/2023 08:10	2.6	106	15	4.3	0.00	21.3	41
27/05/2023 08:20	3.1	106	16	5.0	0.00	21.5	40
27/05/2023 08:30	3.5	111	16	5.5	0.00	21.8	38



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/05/2023 08:40	4.1	107	12	6.3	0.00	22.2	37
27/05/2023 08:50	3.7	109	14	6.6	0.00	22.4	37
27/05/2023 09:00	3.8	106	14	6.4	0.00	22.7	37
27/05/2023 09:10	4.0	109	14	6.4	0.00	22.9	37
27/05/2023 09:20	4.6	104	12	6.9	0.00	23.1	36
27/05/2023 09:30	4.2	104	11	6.9	0.00	23.3	36
27/05/2023 09:40							
27/05/2023 09:50							
27/05/2023 10:00							
27/05/2023 10:10							
27/05/2023 10:20							
27/05/2023 10:30							
27/05/2023 10:40							
27/05/2023 10:50							
27/05/2023 11:00							
27/05/2023 11:10							
27/05/2023 11:20							
27/05/2023 11:30							
27/05/2023 11:40							
27/05/2023 11:50							
27/05/2023 12:00							
27/05/2023 12:10							
27/05/2023 12:20							
27/05/2023 12:30							
27/05/2023 12:40							
27/05/2023 12:50							
27/05/2023 13:00							
27/05/2023 13:10							
27/05/2023 13:20							
27/05/2023 13:30							
27/05/2023 13:40							
27/05/2023 13:50							
27/05/2023 14:00							
27/05/2023 14:10							
27/05/2023 14:20							
27/05/2023 14:30							
27/05/2023 14:40							
27/05/2023 14:50							
27/05/2023 15:00	4.2	62	10	6.4	0.00	26.7	30
27/05/2023 15:10	4.3	60	9	6.6	0.00	26.6	31
27/05/2023 15:20	4.4	58	10	5.8	0.00	26.5	32
27/05/2023 15:30	3.9	47	9	5.4	0.00	26.7	31
27/05/2023 15:40	3.8	47	9	5.2	0.00	26.9	30
27/05/2023 15:50	3.7	50	9	5.1	0.00	26.9	30
27/05/2023 16:00	3.7	48	8	5.2	0.00	27.0	29
27/05/2023 16:10	3.7	54	9	5.3	0.00	27.1	28
27/05/2023 16:20	3.5	52	8	4.7	0.00	27.2	27
27/05/2023 16:30	3.4	56	7	4.4	0.00	27.2	27



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/05/2023 16:40	3.3	55	10	4.4	0.00	27.1	26
27/05/2023 16:50	3.4	55	6	4.4	0.00	26.8	25
27/05/2023 17:00	3.0	60	6	4.0	0.00	26.6	25
27/05/2023 17:10	2.9	56	7	4.1	0.00	26.5	25
27/05/2023 17:20	2.9	52	6	4.1	0.00	25.8	26
27/05/2023 17:30	2.6	47	6	3.3	0.00	25.0	28
27/05/2023 17:40	2.8	47	4	3.3	0.00	24.5	29
27/05/2023 17:50	2.6	45	3	3.0	0.00	24.2	29
27/05/2023 18:00	2.4	44	3	2.8	0.00	24.1	28
27/05/2023 18:10	2.3	45	3	2.7	0.00	23.8	29
27/05/2023 18:20	1.8	49	6	2.2	0.00	23.7	29
27/05/2023 18:30	1.4	67	13	2.0	0.00	23.6	30
27/05/2023 18:40	1.3	68	11	1.8	0.00	23.7	31
27/05/2023 18:50	1.0	74	10	1.3	0.00	23.5	31
27/05/2023 19:00	0.9	75	6	1.0	0.00	23.5	31
27/05/2023 19:10	0.9	74	5	1.0	0.00	23.3	31
27/05/2023 19:20	1.1	80	6	1.2	0.00	23.0	31
27/05/2023 19:30	1.1	72	8	1.3	0.00	23.0	32
27/05/2023 19:40	0.9	83	8	1.2	0.00	22.8	32
27/05/2023 19:50	1.0	85	9	1.3	0.00	22.7	32
27/05/2023 20:00	0.9	82	6	1.1	0.00	22.7	32
27/05/2023 20:10	0.9	91	7	1.1	0.00	22.7	32
27/05/2023 20:20	0.7	98	8	0.9	0.00	22.6	32
27/05/2023 20:30	0.8	77	10	0.9	0.00	22.7	32
27/05/2023 20:40	0.8	75	6	0.9	0.00	22.7	32
27/05/2023 20:50	0.8	67	5	0.9	0.00	22.8	32
27/05/2023 21:00	0.7	64	3	0.8	0.00	23.2	31
27/05/2023 21:10	0.6	70	7	0.8	0.00	22.7	32
27/05/2023 21:20	0.8	59	11	0.9	0.00	23.0	32
27/05/2023 21:30	0.7	53	7	0.8	0.00	22.8	32
27/05/2023 21:40	0.9	65	4	0.9	0.00	22.6	32
27/05/2023 21:50	0.9	56	5	1.0	0.00	22.5	32
27/05/2023 22:00	1.1	74	4	1.3	0.00	21.7	34
27/05/2023 22:10	1.3	94	5	1.6	0.00	21.0	36
27/05/2023 22:20	1.4	101	5	1.6	0.00	20.7	44
27/05/2023 22:30	1.6	94	5	1.8	0.00	20.6	48
27/05/2023 22:40	1.5	76	9	1.8	0.00	20.6	48
27/05/2023 22:50	1.7	48	5	2.0	0.00	20.9	49
27/05/2023 23:00	1.0	39	14	1.5	0.00	20.7	49
27/05/2023 23:10	0.6	52	20	1.0	0.00	20.6	47
27/05/2023 23:20	0.2	147	36	0.5	0.00	20.8	46
27/05/2023 23:30	0.4	60	39	0.7	0.00	20.2	47
27/05/2023 23:40	0.8	23	11	1.1	0.00	20.6	46
27/05/2023 23:50	0.9	42	4	1.1	0.00	21.3	43
28/05/2023 00:00	1.0	43	8	1.2	0.00	21.5	42
28/05/2023 00:10	0.9	40	6	1.1	0.00	21.7	40
28/05/2023 00:20	0.8	32	7	1.0	0.00	22.1	37
28/05/2023 00:30	0.6	30	7	0.8	0.00	22.2	36



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/05/2023 00:40	0.5	15	18	0.8	0.00	21.6	37
28/05/2023 00:50	0.9	137	39	2.1	0.00	21.4	37
28/05/2023 01:00	1.9	169	23	3.4	0.00	21.9	36
28/05/2023 01:10	2.4	172	17	3.7	0.00	21.9	37
28/05/2023 01:20	1.2	146	31	3.1	0.00	21.8	36
28/05/2023 01:30	1.8	154	23	3.4	0.00	21.8	36
28/05/2023 01:40	1.0	97	32	2.7	0.00	21.7	35
28/05/2023 01:50	1.8	63	7	2.5	0.00	20.7	38
28/05/2023 02:00	1.8	77	12	2.9	0.00	20.4	40
28/05/2023 02:10	1.6	72	10	2.2	0.00	20.3	40
28/05/2023 02:20	1.6	83	16	2.9	0.00	20.3	41
28/05/2023 02:30	2.8	101	12	4.3	0.00	20.5	43
28/05/2023 02:40	2.0	92	11	3.0	0.00	20.1	47
28/05/2023 02:50	1.3	70	13	2.2	0.00	19.9	51
28/05/2023 03:00	2.7	95	12	4.8	0.00	20.4	49
28/05/2023 03:10	3.7	101	10	5.6	0.00	21.2	47
28/05/2023 03:20	4.1	104	12	6.3	0.00	21.4	45
28/05/2023 03:30	4.0	102	10	6.8	0.00	21.2	45
28/05/2023 03:40	4.3	102	11	6.6	0.00	21.2	44
28/05/2023 03:50	4.4	98	10	6.5	0.00	21.1	45
28/05/2023 04:00							
28/05/2023 04:10							
28/05/2023 04:20							
28/05/2023 04:30							
28/05/2023 04:40							
28/05/2023 04:50							
28/05/2023 05:00							
28/05/2023 05:10							
28/05/2023 05:20							
28/05/2023 05:30							
28/05/2023 05:40							
28/05/2023 05:50							
28/05/2023 06:00							
28/05/2023 06:10							
28/05/2023 06:20							
28/05/2023 06:30							
28/05/2023 06:40							
28/05/2023 06:50							
28/05/2023 07:00							
28/05/2023 07:10							
28/05/2023 07:20							
28/05/2023 07:30							
28/05/2023 07:40							
28/05/2023 07:50							
28/05/2023 08:00							
28/05/2023 08:10							
28/05/2023 08:20							
28/05/2023 08:30							



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/05/2023 08:40							
28/05/2023 08:50							
28/05/2023 09:00							
28/05/2023 09:10							
28/05/2023 09:20							
28/05/2023 09:30							
28/05/2023 09:40							
28/05/2023 09:50							
28/05/2023 10:00							
28/05/2023 10:10							
28/05/2023 10:20							
28/05/2023 10:30							
28/05/2023 10:40							
28/05/2023 10:50							
28/05/2023 11:00							
28/05/2023 11:10							
28/05/2023 11:20							
28/05/2023 11:30							
28/05/2023 11:40							
28/05/2023 11:50							
28/05/2023 12:00							
28/05/2023 12:10							
28/05/2023 12:20							
28/05/2023 12:30							
28/05/2023 12:40							
28/05/2023 12:50							
28/05/2023 13:00							
28/05/2023 13:10							
28/05/2023 13:20							
28/05/2023 13:30							
28/05/2023 13:40							
28/05/2023 13:50							
28/05/2023 14:00							
28/05/2023 14:10							
28/05/2023 14:20							
28/05/2023 14:30							
28/05/2023 14:40							
28/05/2023 14:50							
28/05/2023 15:00							
28/05/2023 15:10							
28/05/2023 15:20							
28/05/2023 15:30							
28/05/2023 15:40							
28/05/2023 15:50							
28/05/2023 16:00							
28/05/2023 16:10							
28/05/2023 16:20							
28/05/2023 16:30							



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/05/2023 16:40							
28/05/2023 16:50							
28/05/2023 17:00							
28/05/2023 17:10							
28/05/2023 17:20							
28/05/2023 17:30							
28/05/2023 17:40							
28/05/2023 17:50							
28/05/2023 18:00							
28/05/2023 18:10							
28/05/2023 18:20							
28/05/2023 18:30							
28/05/2023 18:40							
28/05/2023 18:50							
28/05/2023 19:00							
28/05/2023 19:10							
28/05/2023 19:20							
28/05/2023 19:30							
28/05/2023 19:40							
28/05/2023 19:50							
28/05/2023 20:00							
28/05/2023 20:10							
28/05/2023 20:20							
28/05/2023 20:30							
28/05/2023 20:40							
28/05/2023 20:50							
28/05/2023 21:00							
28/05/2023 21:10							
28/05/2023 21:20							
28/05/2023 21:30							
28/05/2023 21:40							
28/05/2023 21:50							
28/05/2023 22:00							
28/05/2023 22:10							
28/05/2023 22:20							
28/05/2023 22:30							
28/05/2023 22:40							
28/05/2023 22:50							
28/05/2023 23:00							
28/05/2023 23:10							
28/05/2023 23:20							
28/05/2023 23:30							
28/05/2023 23:40							
28/05/2023 23:50							
29/05/2023 00:00							
29/05/2023 00:10							
29/05/2023 00:20							
29/05/2023 00:30							



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/05/2023 00:40							
29/05/2023 00:50							
29/05/2023 01:00							
29/05/2023 01:10							
29/05/2023 01:20							
29/05/2023 01:30							
29/05/2023 01:40							
29/05/2023 01:50							
29/05/2023 02:00							
29/05/2023 02:10							
29/05/2023 02:20							
29/05/2023 02:30							
29/05/2023 02:40							
29/05/2023 02:50							
29/05/2023 03:00							
29/05/2023 03:10							
29/05/2023 03:20							
29/05/2023 03:30							
29/05/2023 03:40							
29/05/2023 03:50							
29/05/2023 04:00							
29/05/2023 04:10							
29/05/2023 04:20							
29/05/2023 04:30							
29/05/2023 04:40							
29/05/2023 04:50							
29/05/2023 05:00							
29/05/2023 05:10							
29/05/2023 05:20							
29/05/2023 05:30							
29/05/2023 05:40							
29/05/2023 05:50							
29/05/2023 06:00							
29/05/2023 06:10							
29/05/2023 06:20							
29/05/2023 06:30							
29/05/2023 06:40							
29/05/2023 06:50							
29/05/2023 07:00							
29/05/2023 07:10							
29/05/2023 07:20							
29/05/2023 07:30							
29/05/2023 07:40							
29/05/2023 07:50							
29/05/2023 08:00							
29/05/2023 08:10							
29/05/2023 08:20							
29/05/2023 08:30							



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/05/2023 08:40							
29/05/2023 08:50							
29/05/2023 09:00							
29/05/2023 09:10							
29/05/2023 09:20							
29/05/2023 09:30							
29/05/2023 09:40							
29/05/2023 09:50							
29/05/2023 10:00							
29/05/2023 10:10							
29/05/2023 10:20							
29/05/2023 10:30							
29/05/2023 10:40							
29/05/2023 10:50							
29/05/2023 11:00							
29/05/2023 11:10							
29/05/2023 11:20							
29/05/2023 11:30							
29/05/2023 11:40							
29/05/2023 11:50							
29/05/2023 12:00							
29/05/2023 12:10							
29/05/2023 12:20							
29/05/2023 12:30							
29/05/2023 12:40							
29/05/2023 12:50							
29/05/2023 13:00							
29/05/2023 13:10							
29/05/2023 13:20							
29/05/2023 13:30							
29/05/2023 13:40							
29/05/2023 13:50							
29/05/2023 14:00							
29/05/2023 14:10							
29/05/2023 14:20							
29/05/2023 14:30							
29/05/2023 14:40							
29/05/2023 14:50							
29/05/2023 15:00							
29/05/2023 15:10							
29/05/2023 15:20							
29/05/2023 15:30							
29/05/2023 15:40							
29/05/2023 15:50							
29/05/2023 16:00							
29/05/2023 16:10							
29/05/2023 16:20							
29/05/2023 16:30							





# Yara Pilbara Nitrates- Western Boundary 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/05/2023 16:40							
29/05/2023 16:50							
29/05/2023 17:00							
29/05/2023 17:10							
29/05/2023 17:20							
29/05/2023 17:30	4.0	59	7	5.2	0.00	22.2	55
29/05/2023 17:40	3.1	61	8	4.5	0.00	22.0	56
29/05/2023 17:50	2.7	62	6	3.7	0.00	21.8	59
29/05/2023 18:00	2.6	56	6	3.4	0.00	21.5	61
29/05/2023 18:10	3.1	53	5	4.2	0.00	21.2	62
29/05/2023 18:20	1.9	66	7	2.7	0.00	21.1	63
29/05/2023 18:30	1.0	90	14	1.6	0.00	21.0	64
29/05/2023 18:40	1.0	100	13	1.7	0.00	20.8	66
29/05/2023 18:50	1.0	70	7	1.5	0.00	20.7	66
29/05/2023 19:00	0.8	79	7	1.1	0.00	20.2	67
29/05/2023 19:10	0.7	105	7	1.0	0.00	20.0	68
29/05/2023 19:20	0.7	100	8	1.0	0.00	20.0	69
29/05/2023 19:30	0.3	164	24	0.5	0.00	19.9	69
29/05/2023 19:40	0.5	231	9	0.7	0.00	20.1	71
29/05/2023 19:50	0.2	289	48	0.5	0.00	20.2	71
29/05/2023 20:00	0.3	286	31	0.4	0.00	20.3	71
29/05/2023 20:10	0.6	334	11	0.8	0.00	20.6	70
29/05/2023 20:20	0.5	319	16	0.7	0.00	20.9	68
29/05/2023 20:30	0.6	9	9	0.8	0.00	21.1	67
29/05/2023 20:40	0.6	32	7	0.7	0.00	20.9	67
29/05/2023 20:50	0.7	32	4	0.8	0.00	19.9	67
29/05/2023 21:00	0.8	39	4	1.0	0.00	19.1	69
29/05/2023 21:10	1.1	56	3	1.3	0.00	19.0	69
29/05/2023 21:20	1.3	54	3	1.4	0.00	18.9	70
29/05/2023 21:30	1.6	55	2	1.8	0.00	18.8	71
29/05/2023 21:40	1.7	54	2	1.9	0.00	18.2	71
29/05/2023 21:50	1.8	59	3	2.1	0.00	17.9	72
29/05/2023 22:00	1.7	53	6	2.0	0.00	18.1	73
29/05/2023 22:10	1.2	47	10	1.6	0.00	19.1	74
29/05/2023 22:20	1.4	48	7	1.7	0.00	19.2	73
29/05/2023 22:30	1.3	57	10	1.8	0.00	18.6	73
29/05/2023 22:40	1.1	68	7	1.4	0.00	18.6	73
29/05/2023 22:50	1.3	72	5	1.5	0.00	18.6	73
29/05/2023 23:00	1.5	70	4	1.8	0.00	18.3	73
29/05/2023 23:10	1.6	71	6	2.0	0.00	18.3	75
29/05/2023 23:20	1.5	71	6	1.9	0.00	18.6	75
29/05/2023 23:30	1.8	68	5	2.2	0.00	18.5	75
29/05/2023 23:40	1.5	53	9	1.9	0.00	18.3	75
29/05/2023 23:50	1.7	75	6	2.1	0.00	17.9	75
30/05/2023 00:00	1.3	57	11	1.9	0.00	18.1	74
30/05/2023 00:10	1.2	52	9	1.7	0.00	18.0	72
30/05/2023 00:20	1.7	47	5	2.0	0.00	17.6	73
30/05/2023 00:30	1.6	47	6	1.9	0.00	18.1	71



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/05/2023 00:40	1.0	71	45	1.8	0.00	17.6	72
30/05/2023 00:50	1.2	28	11	1.7	0.00	17.6	71
30/05/2023 01:00	1.4	27	12	1.9	0.00	17.9	69
30/05/2023 01:10	2.2	52	3	2.6	0.00	17.9	68
30/05/2023 01:20	1.9	52	4	2.2	0.00	18.1	67
30/05/2023 01:30	1.5	59	9	2.0	0.00	17.6	68
30/05/2023 01:40	1.4	52	10	1.9	0.00	17.3	68
30/05/2023 01:50	1.2	44	9	1.7	0.00	17.1	69
30/05/2023 02:00	1.0	41	11	1.5	0.00	17.5	68
30/05/2023 02:10	1.0	40	10	1.3	0.00	17.7	67
30/05/2023 02:20	0.8	177	21	1.1	0.00	18.0	66
30/05/2023 02:30	1.2	19	17	1.7	0.00	17.7	66
30/05/2023 02:40	2.4	48	5	3.0	0.00	17.4	66
30/05/2023 02:50	2.8	57	5	3.5	0.00	17.6	64
30/05/2023 03:00	2.2	54	6	2.6	0.00	17.5	63
30/05/2023 03:10	1.3	61	9	2.0	0.00	17.1	63
30/05/2023 03:20	1.0	48	13	1.4	0.00	17.1	64
30/05/2023 03:30	1.3	48	10	1.8	0.00	17.1	65
30/05/2023 03:40	1.6	51	7	1.9	0.00	16.5	68
30/05/2023 03:50	1.4	74	11	1.8	0.00	16.9	70
30/05/2023 04:00	1.9	114	10	2.6	0.00	16.6	72
30/05/2023 04:10	1.6	111	13	2.3	0.00	16.7	72
30/05/2023 04:20	1.2	115	15	2.0	0.00	16.7	73
30/05/2023 04:30	1.6	114	16	2.3	0.00	17.3	73
30/05/2023 04:40	1.6	112	17	2.4	0.00	17.7	71
30/05/2023 04:50	1.4	103	17	2.0	0.00	17.6	71
30/05/2023 05:00	1.5	101	18	2.3	0.00	17.5	71
30/05/2023 05:10	1.5	100	18	2.4	0.00	17.2	71
30/05/2023 05:20	1.3	94	16	2.1	0.00	17.1	70
30/05/2023 05:30	0.9	143	37	1.5	0.00	16.9	69
30/05/2023 05:40	1.3	229	21	2.4	0.00	17.0	66
30/05/2023 05:50	2.0	172	22	2.7	0.00	17.8	57
30/05/2023 06:00	1.5	106	15	2.1	0.00	18.1	51
30/05/2023 06:10	0.8	59	20	1.3	0.00	16.7	57
30/05/2023 06:20	1.0	35	24	1.7	0.00	16.5	58
30/05/2023 06:30	1.6	74	19	2.7	0.00	16.6	55
30/05/2023 06:40	1.9	88	17	2.9	0.00	16.6	54
30/05/2023 06:50	1.9	73	11	2.5	0.00	16.8	52
30/05/2023 07:00	2.1	68	8	2.7	0.00	16.3	53
30/05/2023 07:10	1.8	74	6	2.2	0.00	16.1	55
30/05/2023 07:20	1.5	65	7	1.8	0.00	16.4	57
30/05/2023 07:30	1.2	66	11	1.8	0.00	17.0	58
30/05/2023 07:40	1.3	73	16	2.6	0.00	17.5	57
30/05/2023 07:50	1.5	84	11	2.3	0.00	18.3	54
30/05/2023 08:00	2.4	96	10	3.7	0.00	19.2	50
30/05/2023 08:10	2.8	106	11	3.9	0.00	20.1	45
30/05/2023 08:20	3.1	105	11	4.5	0.00	20.6	45
30/05/2023 08:30	3.8	104	10	5.7	0.00	21.0	43



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/05/2023 08:40	3.8	107	10	5.9	0.00	21.2	43
30/05/2023 08:50	4.0	103	12	5.6	0.00	21.6	40
30/05/2023 09:00	4.4	101	10	5.7	0.00	22.0	39
30/05/2023 09:10	5.8	92	8	8.1	0.00	22.3	37
30/05/2023 09:20	5.4	86	10	7.5	0.00	22.3	38
30/05/2023 09:30	7.0	89	8	9.4	0.00	22.0	38
30/05/2023 09:40	6.4	91	9	8.8	0.00	22.0	41
30/05/2023 09:50	6.1	88	9	8.6	0.00	22.4	43
30/05/2023 10:00	5.9	85	7	8.4	0.00	23.0	43
30/05/2023 10:10	6.5	84	9	9.0	0.00	22.9	44
30/05/2023 10:20	6.0	88	10	9.1	0.00	23.3	45
30/05/2023 10:30	6.3	86	8	8.8	0.00	23.5	45
30/05/2023 10:40	7.3	85	7	9.5	0.00	23.5	45
30/05/2023 10:50	7.0	84	7	9.8	0.00	23.7	45
30/05/2023 11:00	6.2	89	9	8.7	0.00	23.9	46
30/05/2023 11:10	6.5	89	10	8.9	0.00	23.9	47
30/05/2023 11:20	7.0	83	9	10.1	0.00	23.9	44
30/05/2023 11:30	6.3	86	11	9.0	0.00	24.2	45
30/05/2023 11:40	6.0	87	11	8.3	0.00	24.1	47
30/05/2023 11:50	5.8	89	10	7.5	0.00	24.3	45
30/05/2023 12:00	6.5	82	9	8.6	0.00	24.4	44
30/05/2023 12:10	6.3	87	6	8.4	0.00	24.6	44
30/05/2023 12:20	5.6	90	10	7.8	0.00	24.6	45
30/05/2023 12:30	5.9	84	10	7.8	0.00	24.6	44
30/05/2023 12:40	5.5	85	10	8.0	0.00	24.8	44
30/05/2023 12:50	5.5	79	12	7.8	0.00	25.1	43
30/05/2023 13:00	5.9	75	9	8.2	0.00	24.9	43
30/05/2023 13:10	5.4	80	11	8.4	0.00	25.2	42
30/05/2023 13:20	5.9	86	8	8.8	0.00	25.3	42
30/05/2023 13:30	6.2	75	8	8.5	0.00	25.3	40
30/05/2023 13:40	6.5	71	7	8.9	0.00	25.0	40
30/05/2023 13:50	6.6	74	8	9.1	0.00	25.0	41
30/05/2023 14:00	6.9	75	7	9.0	0.00	25.0	42
30/05/2023 14:10	7.0	75	8	10.1	0.00	25.2	41
30/05/2023 14:20	7.2	74	7	9.3	0.00	25.3	40
30/05/2023 14:30	7.0	75	6	9.4	0.00	25.2	41
30/05/2023 14:40	7.2	78	7	9.7	0.00	25.3	41
30/05/2023 14:50	6.0	74	10	8.6	0.00	25.7	41
30/05/2023 15:00	6.6	58	8	8.8	0.00	25.6	42
30/05/2023 15:10	7.1	59	8	9.4	0.00	25.6	43
30/05/2023 15:20	6.5	54	7	8.8	0.00	25.3	48
30/05/2023 15:30	6.4	53	7	8.5	0.00	25.0	51
30/05/2023 15:40	7.2	54	7	8.7	0.00	24.5	55
30/05/2023 15:50	6.6	57	7	8.7	0.00	24.4	58
30/05/2023 16:00	5.7	57	7	7.5	0.00	24.4	60
30/05/2023 16:10	5.9	57	7	8.0	0.00	24.2	58
30/05/2023 16:20	5.3	57	7	7.5	0.00	24.2	58
30/05/2023 16:30	5.1	60	8	7.3	0.00	24.2	57



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/05/2023 16:40	5.1	60	8	6.7	0.00	24.1	58
30/05/2023 16:50	4.5	59	7	6.0	0.00	24.1	59
30/05/2023 17:00	4.5	56	7	5.9	0.00	23.8	61
30/05/2023 17:10	4.0	56	7	5.4	0.00	23.5	63
30/05/2023 17:20	4.2	61	7	5.6	0.00	22.9	65
30/05/2023 17:30	3.8	58	6	5.3	0.00	22.4	68
30/05/2023 17:40	3.5	59	6	4.8	0.00	22.1	70
30/05/2023 17:50	2.5	62	8	3.5	0.00	21.8	71
30/05/2023 18:00	1.7	62	8	2.5	0.00	21.5	72
30/05/2023 18:10	1.0	61	10	1.5	0.00	21.2	73
30/05/2023 18:20	0.6	62	13	1.0	0.00	20.9	74
30/05/2023 18:30	0.6	79	16	1.1	0.00	20.8	74
30/05/2023 18:40	0.7	89	10	1.0	0.00	20.7	75
30/05/2023 18:50	0.7	89	8	1.0	0.00	20.7	75
30/05/2023 19:00	0.9	74	4	1.1	0.00	20.6	75
30/05/2023 19:10	0.7	91	9	0.9	0.00	20.3	75
30/05/2023 19:20	0.8	93	7	1.0	0.00	20.2	75
30/05/2023 19:30	0.9	82	5	1.0	0.00	20.0	75
30/05/2023 19:40	0.9	84	3	1.0	0.00	19.7	75
30/05/2023 19:50	1.0	84	4	1.1	0.00	19.5	76
30/05/2023 20:00	1.0	96	6	1.2	0.00	19.5	76
30/05/2023 20:10	1.0	84	5	1.2	0.00	19.4	76
30/05/2023 20:20	1.1	57	5	1.2	0.00	19.3	76
30/05/2023 20:30	0.9	63	5	1.0	0.00	19.2	76
30/05/2023 20:40	1.2	86	2	1.4	0.00	19.2	76
30/05/2023 20:50	1.4	84	2	1.5	0.00	18.8	76
30/05/2023 21:00	1.2	75	3	1.4	0.00	18.7	75
30/05/2023 21:10	1.1	72	4	1.2	0.00	18.8	74
30/05/2023 21:20	1.0	91	5	1.2	0.00	19.1	72
30/05/2023 21:30	1.2	80	3	1.5	0.00	19.3	70
30/05/2023 21:40	1.3	69	4	1.6	0.00	19.4	67
30/05/2023 21:50	1.5	64	6	2.0	0.00	19.5	64
30/05/2023 22:00	1.7	53	7	2.1	0.00	19.5	62
30/05/2023 22:10	1.8	48	6	2.5	0.00	19.5	60
30/05/2023 22:20	1.8	46	5	2.2	0.00	19.4	59
30/05/2023 22:30	1.6	53	5	2.0	0.00	19.3	59
30/05/2023 22:40	1.2	55	6	1.6	0.00	19.0	58
30/05/2023 22:50	1.4	67	7	1.8	0.00	19.2	57
30/05/2023 23:00	1.7	61	6	2.2	0.00	19.0	57
30/05/2023 23:10	1.2	53	8	1.8	0.00	18.6	58
30/05/2023 23:20	1.1	27	11	1.6	0.00	18.3	57
30/05/2023 23:30	1.6	42	5	1.9	0.00	18.2	56
30/05/2023 23:40	1.0	42	10	1.4	0.00	17.8	56
30/05/2023 23:50	0.9	47	6	1.3	0.00	17.9	55
31/05/2023 00:00	1.1	49	5	1.4	0.00	18.0	56
31/05/2023 00:10	1.6	37	4	1.8	0.00	18.1	59
31/05/2023 00:20	1.7	51	4	2.1	0	17.7	60
31/05/2023 00:30	1.8	51	5	2	0	17.7	60



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
31/05/2023 00:40	1.5	48	5	1.9	0	18.1	61
31/05/2023 00:50	1.5	49	5	1.8	0	18.3	64
31/05/2023 01:00	1.5	47	3	1.8	0	18.3	66
31/05/2023 01:10	1.5	49	3	1.7	0	17.8	68
31/05/2023 01:20	1.4	51	3	1.6	0	17.6	68
31/05/2023 01:30	1.6	50	2	1.9	0	17.7	68
31/05/2023 01:40	1.5	51	4	1.8	0	17.4	69
31/05/2023 01:50	1.6	54	2	1.8	0	17	70
31/05/2023 02:00	1.7	48	2	1.8	0	16.9	69
31/05/2023 02:10	1.8	48	2	2	0	16.8	68
31/05/2023 02:20	1.6	49	2	1.9	0	16.5	68
31/05/2023 02:30	1.6	47	3	1.9	0	16.2	67
31/05/2023 02:40	1.5	50	4	1.8	0	16.2	65
31/05/2023 02:50	1.2	64	9	1.4	0	16.3	64
31/05/2023 03:00	1.4	72	7	1.8	0	16.7	63
31/05/2023 03:10	1	51	14	1.9	0	17	63
31/05/2023 03:20	1.4	148	39	1.9	0	16.8	64
31/05/2023 03:30	1.7	291	9	2.2	0	16.6	64
31/05/2023 03:40	1	307	17	1.4	0	16.1	67
31/05/2023 03:50	0.7	347	22	1.3	0	16	68
31/05/2023 04:00	0.8	18	27	1.2	0	16.2	70
31/05/2023 04:10	0.6	114	60	1.5	0	16.3	74
31/05/2023 04:20	2.2	181	8	2.9	0	16.6	67
31/05/2023 04:30	2.4	183	10	3.4	0	18.6	45
31/05/2023 04:40	2.5	176	14	4.1	0	19	43
31/05/2023 04:50	2.6	170	19	3.9	0	19.1	40
31/05/2023 05:00	3.6	181	9	4.7	0	19.3	37
31/05/2023 05:10	3	186	9	4	0	19.5	36
31/05/2023 05:20	2.4	191	7	3.4	0	18.6	38
31/05/2023 05:30	1.9	196	7	2.5	0	17.1	44
31/05/2023 05:40	2.5	188	8	3.7	0	17.6	41
31/05/2023 05:50	1.3	100	29	2.3	0	17.4	42
31/05/2023 06:00	1.4	42	3	1.6	0	16.4	45
31/05/2023 06:10	2.4	52	4	2.9	0	16.6	46
31/05/2023 06:20	2.1	68	5	2.6	0	16.6	48
31/05/2023 06:30	1.8	68	7	2.2	0	16.2	49
31/05/2023 06:40	1.6	51	5	1.9	0	16.2	48
31/05/2023 06:50	1.4	52	3	1.7	0	16.6	48
31/05/2023 07:00	1.6	53	3	1.9	0	17	49
31/05/2023 07:10	1.4	49	6	1.7	0	16.6	51
31/05/2023 07:20	1.7	44	7	2	0	17.2	52
31/05/2023 07:30	1.9	53	6	2.3	0	17.6	54
31/05/2023 07:40	1.8	53	8	2.3	0	17.8	55
31/05/2023 07:50	1.6	56	9	2.3	0	18.1	54
31/05/2023 08:00	1.7	63	10	2.3	0	18.6	51
31/05/2023 08:10	2	65	9	2.8	0	19	49
31/05/2023 08:20	2	70	8	2.8	0	19.2	48
31/05/2023 08:30	1.9	73	8	2.6	0	19.6	47



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
31/05/2023 08:40	1.9	78	10	2.5	0	20.1	46
31/05/2023 08:50	2	74	9	2.8	0	20.4	46
31/05/2023 09:00	1.8	90	13	2.6	0	20.9	43
31/05/2023 09:10	2.2	87	11	3.1	0	21.1	41
31/05/2023 09:20	2.3	94	12	3.1	0	21.3	40
31/05/2023 09:30	2.6	102	11	3.5	0	21.6	40
31/05/2023 09:40	2.6	95	10	3.5	0	21.4	41
31/05/2023 09:50	2.3	99	15	3.4	0	21.7	41
31/05/2023 10:00	2.7	90	10	3.8	0	21.8	43
31/05/2023 10:10	2.3	96	13	3.3	0	21.9	44
31/05/2023 10:20	2	103	18	3.3	0	22.4	41
31/05/2023 10:30	2	89	13	2.9	0	22.9	38
31/05/2023 10:40	2.1	84	10	2.8	0	23.3	35
31/05/2023 10:50	2.3	85	10	3	0	23.8	32
31/05/2023 11:00	2.2	92	13	3	0	24.7	29
31/05/2023 11:10	2.5	94	9	4	0	24.9	26
31/05/2023 11:20	2.3	102	21	3.5	0	25.4	24
31/05/2023 11:30	2.5	88	10	3.6	0	25.8	23
31/05/2023 11:40	2.4	93	16	3.5	0	26.1	22
31/05/2023 11:50	2.4	101	13	3.6	0	26.4	22
31/05/2023 12:00	2.6	99	12	3.7	0	26.6	22
31/05/2023 12:10	2.9	82	12	4.1	0	26.7	21
31/05/2023 12:20	2.9	98	13	4.8	0	26.9	21
31/05/2023 12:30							
31/05/2023 12:40	3.2	81	10	4.5	0	26.4	22
31/05/2023 12:50	2.9	80	13	3.8	0	26.5	22
31/05/2023 13:00	3	77	11	4.2	0	26.4	22
31/05/2023 13:10	3.1	86	9	4.2	0	26.5	22
31/05/2023 13:20	3.3	83	9	4.6	0	26.3	22
31/05/2023 13:30	3.3	81	11	4.5	0	26.3	23
31/05/2023 13:40	3.5	87	8	4.5	0	26.3	23
31/05/2023 13:50	3.2	98	11	4.6	0	26.6	23
31/05/2023 14:00	3.4	89	8	4.3	0	26.4	22
31/05/2023 14:10	2.8	100	10	3.7	0	26.8	21
31/05/2023 14:20	2.8	89	10	3.9	0	26.8	21
31/05/2023 14:30	2.9	74	10	3.8	0	26.9	23
31/05/2023 14:40	2.6	65	11	3.7	0	26.8	26
31/05/2023 14:50	3	74	8	3.8	0	26.4	27
31/05/2023 15:00	2.9	68	12	4.3	0	26.7	26
31/05/2023 15:10	2.7	53	11	3.9	0	26.9	27
31/05/2023 15:20	2.6	55	12	3.9	0	27.1	28
31/05/2023 15:30	2.5	60	10	3.4	0	27.2	28
31/05/2023 15:40	3	62	8	3.9	0	27	28
31/05/2023 15:50	2.9	55	9	3.8	0	26.6	29
31/05/2023 16:00	2.5	58	10	3.4	0	26.4	31
31/05/2023 16:10	2.2	62	9	2.9	0	26.3	32
31/05/2023 16:20	2.3	61	9	3.1	0	26.3	33
31/05/2023 16:30	2.7	63	6	3.3	0	26	34



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
31/05/2023 16:40	2.6	55	5	3.3	0	25.8	34
31/05/2023 16:50	2.4	51	7	3.1	0	25.5	37
31/05/2023 17:00	2.3	52	7	3	0	25	36
31/05/2023 17:10	2.5	48	5	3	0	24.7	32
31/05/2023 17:20	2.6	47	4	3.1	0	24	37
31/05/2023 17:30	1.8	45	6	2.3	0	23.5	40
31/05/2023 17:40	1	190	19	1.5	0	23.2	42
31/05/2023 17:50	1.4	316	7	2.2	0	23.5	47
31/05/2023 18:00	2	327	6	2.4	0	23.6	51
31/05/2023 18:10	1.7	317	10	2.3	0	23.5	55
31/05/2023 18:20	1.6	321	11	2.3	0	23.2	58
31/05/2023 18:30	1.8	323	8	2.3	0	23	60
31/05/2023 18:40	1.5	322	10	2.5	0	22.9	61
31/05/2023 18:50	1.1	317	18	1.7	0	22.6	62
31/05/2023 19:00	1.3	318	8	2	0	22.6	62
31/05/2023 19:10	1.7	322	9	2.3	0	22.4	63
31/05/2023 19:20	1.2	311	16	2.1	0	22.5	64
31/05/2023 19:30	1.2	270	15	1.7	0	22.2	65
31/05/2023 19:40	2.1	253	4	2.6	0	21.6	65
31/05/2023 19:50	2.8	257	3	3.1	0	21.1	68
31/05/2023 20:00	2.1	266	4	2.4	0	20.9	70
31/05/2023 20:10	2.4	268	2	2.9	0	21	71
31/05/2023 20:20	2.9	264	5	3.6	0	20.6	72
31/05/2023 20:30	2.5	272	5	3.3	0	20.4	71
31/05/2023 20:40	2.1	273	5	2.8	0	20.6	71
31/05/2023 20:50	1.6	286	7	2.1	0	20.6	72
31/05/2023 21:00	1.5	291	6	1.9	0	20.7	72
31/05/2023 21:10	2.2	275	2	2.4	0	20.6	72
31/05/2023 21:20	1.7	282	4	2.1	0	20.8	72
31/05/2023 21:30	1.3	277	5	1.8	0	20.3	73
31/05/2023 21:40	1.1	283	4	1.6	0	20.3	73
31/05/2023 21:50	1.5	268	6	1.9	0	20.2	73
31/05/2023 22:00	1.6	277	4	1.9	0	19.9	73
31/05/2023 22:10	1.4	285	5	1.8	0	19.7	73
31/05/2023 22:20	1.4	269	15	2.1	0	19.4	73
31/05/2023 22:30	1.3	250	16	2.3	0	19.4	72
31/05/2023 22:40	2.3	273	5	2.7	0	19.3	70
31/05/2023 22:50	2.9	272	4	3.3	0	19.5	69
31/05/2023 23:00	3.1	273	4	3.7	0	19.8	68
31/05/2023 23:10	3	276	5	3.5	0	19.8	68
31/05/2023 23:20	3.2	277	5	4.3	0	19.8	68
31/05/2023 23:30	3.1	276	5	3.8	0	19.8	67
31/05/2023 23:40	2.5	283	7	3.3	0	19.9	67
31/05/2023 23:50	2.7	278	4	3.1	0	20	66
06/01/2023 00:00	3	276	4	3.5	0	19.9	67
06/01/2023 00:10	3.7	273	3	4.3	0	19.7	67
06/01/2023 00:20	3.8	269	5	4.5	0	19.3	67
06/01/2023 00:30	3.7	272	4	4.2	0	19.4	65



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/01/2023 00:40	3.8	273	4	4.7	0	19.7	60
06/01/2023 00:50	3.9	270	4	4.6	0	19.8	56
06/01/2023 01:00	3.9	269	4	4.7	0	19.8	52
06/01/2023 01:10	3.9	272	4	4.4	0	20	49
06/01/2023 01:20	4	274	4	4.8	0	20.2	46
06/01/2023 01:30	3.8	275	6	4.9	0	20.2	45
06/01/2023 01:40	2.9	276	7	4	0	20	45
06/01/2023 01:50	1.6	260	23	2.7	0	19.4	46
06/01/2023 02:00	0.7	236	51	1.9	0	19	46
06/01/2023 02:10	0.8	207	56	1.8	0	19.1	44
06/01/2023 02:20	0.4	93	41	0.9	0	19.2	42
06/01/2023 02:30	0.5	129	36	1	0	19.1	41
06/01/2023 02:40	0.6	164	33	1.1	0	19	41
06/01/2023 02:50	0.4	169	58	1	0	19.1	40
06/01/2023 03:00	0.7	236	28	1.2	0	19.9	38
06/01/2023 03:10	0.6	217	44	1.3	0	19.6	39
06/01/2023 03:20	0.7	264	21	1.2	0	19.6	39
06/01/2023 03:30	0.5	279	41	1.1	0	19.5	39
06/01/2023 03:40	0.7	111	36	1.2	0	17.8	44
06/01/2023 03:50	1.1	77	11	1.3	0	17.3	45
06/01/2023 04:00	0.7	110	48	1.1	0	17.4	45
06/01/2023 04:10	0.3	256	67	0.7	0	17.7	44
06/01/2023 04:20	0.4	123	54	0.9	0	18.8	39
06/01/2023 04:30	0.7	271	24	1.3	0	19.3	38
06/01/2023 04:40	0.7	166	38	1.2	0	18.7	41
06/01/2023 04:50	0.9	68	29	1.5	0	17.2	53
06/01/2023 05:00	1.1	85	17	1.6	0	16.9	56
06/01/2023 05:10	1	69	20	1.4	0	16.8	56
06/01/2023 05:20	1.3	55	7	1.7	0	16.2	52
06/01/2023 05:30	1.4	50	9	2	0	16.4	47
06/01/2023 05:40	1.5	59	8	1.9	0	16	48
06/01/2023 05:50	1.4	55	7	1.7	0	15.7	50
06/01/2023 06:00	1.9	71	9	2.4	0	16	52
06/01/2023 06:10	1.4	64	6	1.8	0	16.2	51
06/01/2023 06:20	1.3	57	7	1.6	0	16.2	51
06/01/2023 06:30	1.2	55	6	1.4	0	15.9	48
06/01/2023 06:40	1	57	6	1.2	0	16	46
06/01/2023 06:50	1.3	51	4	1.6	0	16.1	46
06/01/2023 07:00	1.7	53	8	2.2	0	17	46
06/01/2023 07:10	1.6	49	7	2.2	0	18.2	45
06/01/2023 07:20	1.7	46	4	1.9	0	18.6	42
06/01/2023 07:30	1.6	53	3	2	0	18.8	41
06/01/2023 07:40	1.6	53	4	2	0	18.8	43
06/01/2023 07:50	1.5	62	9	2.1	0	18.7	45
06/01/2023 08:00	1.5	64	8	1.9	0	19.3	46
06/01/2023 08:10	1.5	60	6	2	0	20.3	46
06/01/2023 08:20	1.4	65	8	1.8	0	20.9	46
06/01/2023 08:30	1.6	78	6	2	0	21.7	42





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/01/2023 08:40	1.8	88	11	2.2	0	22.2	40
06/01/2023 08:50	1.8	98	10	2.3	0	22.7	36
06/01/2023 09:00	1.8	96	7	2.3	0	22.7	38
06/01/2023 09:10	1.9	97	7	2.4	0	22.8	38
06/01/2023 09:20	1.9	96	8	2.5	0	23.1	37
06/01/2023 09:30	1.9	100	9	2.5	0	23.7	34
06/01/2023 09:40	2.4	92	7	3.1	0	23.7	33
06/01/2023 09:50	2.4	100	7	3.2	0	23.6	36
06/01/2023 10:00	2.4	95	8	3.1	0	23.6	39
06/01/2023 10:10	1.5	92	9	2.1	0	24.5	38
06/01/2023 10:20	1.1	90	18	1.7	0	25.9	35
06/01/2023 10:30	1	103	34	1.7	0	27.2	31
06/01/2023 10:40	1.3	152	20	2	0	27.4	32
06/01/2023 10:50	1.2	140	20	1.9	0	27.3	32
06/01/2023 11:00	1.4	114	17	2.2	0	28.3	28
06/01/2023 11:10	1.4	98	26	2.1	0	28.9	23
06/01/2023 11:20	1.7	107	20	2.9	0	29.2	22
06/01/2023 11:30	2.2	111	15	3.1	0	29.1	22
06/01/2023 11:40	2	123	19	3.4	0	29.4	21
06/01/2023 11:50	1.6	123	19	2.7	0	29.4	23
06/01/2023 12:00	1.2	138	40	2.3	0	29.8	22
06/01/2023 12:10	2.1	338	21	3.5	0	29.1	27
06/01/2023 12:20	2.2	168	20	3.8	0	28.8	26
06/01/2023 12:30	2.4	314	24	3.8	0	29.2	25
06/01/2023 12:40	3	288	12	4.7	0	29.1	26
06/01/2023 12:50	3	299	15	5	0	28.8	28
06/01/2023 13:00	3.9	279	8	5.2	0	28.4	32
06/01/2023 13:10	4	278	8	5	0	27.8	34
06/01/2023 13:20	3.9	279	10	5.1	0	28	35
06/01/2023 13:30	3.9	286	6	4.9	0	27.9	37
06/01/2023 13:40	3.7	285	8	4.5	0	27.7	35
06/01/2023 13:50	3.6	283	7	4.7	0	28.1	37
06/01/2023 14:00	3.9	285	9	4.9	0	28	37
06/01/2023 14:10	3.8	286	9	5.1	0	28.2	39
06/01/2023 14:20	3.6	288	10	5	0	28	42
06/01/2023 14:30	3.4	301	13	4.8	0	28	42
06/01/2023 14:40	3.7	301	11	5.1	0	28	42
06/01/2023 14:50	3.6	307	12	4.8	0	28	43
06/01/2023 15:00	3.6	319	11	5.1	0	27.8	45
06/01/2023 15:10	3.5	321	11	4.8	0	27.8	46
06/01/2023 15:20	4.2	329	9	5.3	0	27.3	46
06/01/2023 15:30	3.5	317	15	5.4	0	27.5	44
06/01/2023 15:40	4	330	8	5.2	0	27.4	44
06/01/2023 15:50	4.3	331	6	5.5	0	27.2	43
06/01/2023 16:00	4	329	6	5.2	0	27.1	42
06/01/2023 16:10	4.2	328	7	5.6	0	26.9	42
06/01/2023 16:20	3.6	322	12	5.3	0	26.9	41
06/01/2023 16:30	3.8	317	11	5.7	0	26.9	43



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/01/2023 16:40	3.6	312	10	5.1	0	26.6	44
06/01/2023 16:50	3.7	317	12	5.5	0	26.3	45
06/01/2023 17:00	3.7	307	9	5.2	0	26.1	45
06/01/2023 17:10	3.6	310	10	5.1	0	25.9	46
06/01/2023 17:20	4.1	309	8	5.7	0	25.4	48
06/01/2023 17:30	3.1	302	9	5	0	25.1	48
06/01/2023 17:40	3.3	310	9	5	0	24.9	47
06/01/2023 17:50	3.2	307	9	4.4	0	24.9	47
06/01/2023 18:00	2.8	305	10	4.2	0	24.6	47
06/01/2023 18:10	3.6	296	9	5.1	0	24.7	47
06/01/2023 18:20	3.6	293	10	5	0	24.5	51
06/01/2023 18:30	2.6	306	9	4.2	0	24.3	56
06/01/2023 18:40	3	313	8	4.6	0	24.3	54
06/01/2023 18:50	3.1	314	9	4.8	0	24.3	58
06/01/2023 19:00	2.8	317	8	3.9	0	24.1	63
06/01/2023 19:10	2.3	326	7	3.2	0	23.7	68
06/01/2023 19:20	2.8	330	8	3.9	0	23.6	69
06/01/2023 19:30	3.1	334	8	4.2	0	23.6	69
06/01/2023 19:40	3.4	334	8	4.9	0	23.6	71
06/01/2023 19:50	3	329	7	4.4	0	23.4	71
06/01/2023 20:00	3.4	331	7	4.9	0	23.4	69
06/01/2023 20:10	3.4	335	8	4.6	0	23.5	67
06/01/2023 20:20	3.2	332	8	4.3	0	23.6	65
06/01/2023 20:30	2.9	317	8	4.4	0	23.6	65
06/01/2023 20:40	3.5	316	7	5.1	0	23.7	65
06/01/2023 20:50	3.9	315	7	5.3	0	23.8	64
06/01/2023 21:00	4	311	7	5.6	0	23.8	65
06/01/2023 21:10	3.8	313	8	5.5	0	23.8	65
06/01/2023 21:20	3.7	313	9	5.7	0	23.7	67
06/01/2023 21:30	3.6	309	9	5.1	0	23.6	68
06/01/2023 21:40	3.2	315	7	4.6	0	23.4	70
06/01/2023 21:50	3.3	310	8	4.8	0	23.3	72
06/01/2023 22:00	3.9	309	7	5.2	0	23.3	72
06/01/2023 22:10	3.7	298	7	5.3	0	23.2	73
06/01/2023 22:20	2.9	282	9	4.2	0	23	73
06/01/2023 22:30	3.4	285	8	5.2	0	22.5	74
06/01/2023 22:40	3.5	281	7	4.7	0	22.2	74
06/01/2023 22:50	3.5	275	11	5	0	22.2	74
06/01/2023 23:00	3.5	265	22	4.7	0	21.9	74
06/01/2023 23:10	3.5	266	10	4.4	0	21.7	73
06/01/2023 23:20	3.1	261	8	3.8	0	21.3	70
06/01/2023 23:30	3.3	270	6	3.9	0	21	70
06/01/2023 23:40	3.3	275	6	4	0	20.7	71
06/01/2023 23:50	2.4	262	14	3.9	0	20.1	73
06/02/2023 00:00	2.8	249	15	4.8	0	20.2	68
06/02/2023 00:10	4.9	223	14	8.4	0	22.7	47
06/02/2023 00:20	5.5	216	10	8	0	23.9	40
06/02/2023 00:30	4.9	215	9	7.1	0	23.6	39



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/02/2023 00:40	4.5	217	9	6.4	0	23.3	40
06/02/2023 00:50	3	238	24	5.2	0	22.7	42
06/02/2023 01:00	1.2	296	27	2.5	0	21.6	45
06/02/2023 01:10	1.3	304	18	2.1	0	21.4	45
06/02/2023 01:20	1	285	26	1.6	0	21.4	44
06/02/2023 01:30	0.9	258	23	1.7	0	21.2	45
06/02/2023 01:40	0.9	262	24	1.7	0	20.9	45
06/02/2023 01:50	1.5	286	18	2.8	0	21	44
06/02/2023 02:00	1.9	274	36	4	0	21.2	42
06/02/2023 02:10	1.5	280	17	2.4	0	21.1	42
06/02/2023 02:20	1.4	274	25	2.7	0	20.8	43
06/02/2023 02:30	1.6	279	17	2.2	0	20.5	44
06/02/2023 02:40	1.2	291	14	1.9	0	20.7	43
06/02/2023 02:50	1.9	282	12	3	0	20.6	44
06/02/2023 03:00	1.5	242	21	2.7	0	20.2	46
06/02/2023 03:10	1.8	258	22	3.3	0	19.8	47
06/02/2023 03:20	2.4	265	24	4	0	20.3	45
06/02/2023 03:30	2.5	224	18	3.8	0	20.9	39
06/02/2023 03:40	2.9	204	12	4.6	0	21.3	36
06/02/2023 03:50	3	198	12	5.1	0	21.6	34
06/02/2023 04:00	3.3	196	9	4.8	0	21.5	34
06/02/2023 04:10	3	191	10	4.6	0	21.2	35
06/02/2023 04:20	3.6	186	12	5.5	0	21.2	35
06/02/2023 04:30	3.4	182	12	5	0	20.9	36
06/02/2023 04:40	3.9	179	11	6	0	20.7	37
06/02/2023 04:50	4.4	176	11	6.1	0	20.7	37
06/02/2023 05:00	2.6	157	24	4.8	0	20.7	38
06/02/2023 05:10	2.1	147	34	3.8	0	20.6	36
06/02/2023 05:20	2.9	166	19	5	0	20.6	38
06/02/2023 05:30	3.4	174	14	5.4	0	20.7	37
06/02/2023 05:40	2.9	172	16	4.9	0	20.9	37
06/02/2023 05:50	3.2	173	14	5	0	21	37
06/02/2023 06:00	2.5	161	24	4.7	0	21.1	37
06/02/2023 06:10	2.4	149	19	4.5	0	21.2	36
06/02/2023 06:20	3.1	136	16	4.6	0	21.4	35
06/02/2023 06:30	3.1	136	17	5.6	0	21.6	36
06/02/2023 06:40	2.9	133	15	5.2	0	21.4	36
06/02/2023 06:50	3.3	131	15	5.3	0	21.2	36
06/02/2023 07:00	2.9	131	17	4.9	0	21	38
06/02/2023 07:10	2.8	125	19	4.8	0	20.8	39
06/02/2023 07:20	2.5	124	20	5.6	0	20.7	41
06/02/2023 07:30	2.5	114	18	4.5	0	20.8	41
06/02/2023 07:40	2.9	108	15	4.4	0	20.8	43
06/02/2023 07:50	3.7	105	10	5.1	0	20.8	46
06/02/2023 08:00	3.2	107	13	4.7	0	20.7	48
06/02/2023 08:10	3.3	105	12	5.3	0	21	49
06/02/2023 08:20	3.1	108	14	4.9	0	21.2	51
06/02/2023 08:30	3.4	109	11	5	0	21.3	50



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/02/2023 08:40	3.7	105	9	5.2	0	21.4	50
06/02/2023 08:50	3.7	106	11	5	0	21.4	51
06/02/2023 09:00	3.4	105	10	4.7	0	21.6	50
06/02/2023 09:10	3.1	111	15	4.9	0	21.8	48
06/02/2023 09:20	2.9	112	13	4.5	0	22.2	47
06/02/2023 09:30	3	111	13	4.6	0	22.7	44
06/02/2023 09:40	3.3	109	12	4.9	0	23	41
06/02/2023 09:50	3.8	107	12	5.7	0	23.1	40
06/02/2023 10:00	3.7	104	11	5.2	0	23.1	40
06/02/2023 10:10	3.6	105	11	5.4	0	23.6	37
06/02/2023 10:20	4.1	104	10	6.4	0	24.3	34
06/02/2023 10:30	4.5	98	9	6.3	0	24.8	33
06/02/2023 10:40	4.5	92	8	6.1	0	24.9	35
06/02/2023 10:50	4.6	94	8	6.3	0	25	35
06/02/2023 11:00	4.3	80	11	6.3	0	25.4	38
06/02/2023 11:10	4.9	78	10	6.6	0	25.4	38
06/02/2023 11:20	5.4	74	7	6.9	0	25.4	39
06/02/2023 11:30	4.9	83	9	6.8	0	26	40
06/02/2023 11:40	5.4	77	8	7.3	0	25.9	41
06/02/2023 11:50	5.2	82	9	7.7	0	26.2	41
06/02/2023 12:00	5.6	80	9	7.7	0	26.4	39
06/02/2023 12:10	5.3	79	9	7	0	26.6	38
06/02/2023 12:20	5.3	78	8	7.4	0	26.9	36
06/02/2023 12:30	5.9	73	5	8.5	0	26.6	36
06/02/2023 12:40	5.8	74	7	7.8	0	26.9	35
06/02/2023 12:50	5.5	80	9	7.5	0	27.3	34
06/02/2023 13:00	5.9	78	8	8.1	0	27.4	33
06/02/2023 13:10	5.4	70	10	7.4	0	27.6	34
06/02/2023 13:20	5.2	71	11	7.7	0	27.9	35
06/02/2023 13:30	5.1	70	10	7.2	0	27.9	35
06/02/2023 13:40	6.2	59	8	8.2	0	27.4	37
06/02/2023 13:50	5.8	52	9	8.1	0	27.2	39
06/02/2023 14:00	6	51	8	8	0	27.1	39
06/02/2023 14:10	6.2	55	8	8.5	0	27.2	38
06/02/2023 14:20	6.4	63	8	8.8	0	27.4	37
06/02/2023 14:30	6.3	63	8	8	0	27.4	36
06/02/2023 14:40	5.5	61	8	7.2	0	27.6	36
06/02/2023 14:50	5.9	60	7	7.7	0	27.6	35
06/02/2023 15:00	5.5	60	10	7.9	0	27.9	34
06/02/2023 15:10	5.8	57	8	7.9	0	27.6	33
06/02/2023 15:20	6	53	7	7.7	0	27.5	32
06/02/2023 15:30	5.7	58	6	8.3	0	27.7	32
06/02/2023 15:40	5.3	55	7	7.2	0	27.8	32
06/02/2023 15:50	5.5	57	6	7.4	0	27.7	32
06/02/2023 16:00	4.6	63	9	6.1	0	28.1	29
06/02/2023 16:10	4.5	58	9	6.2	0	28.3	28
06/02/2023 16:20	4.1	53	11	5.7	0	28.5	27
06/02/2023 16:30	4.4	38	15	6	0	28.5	29



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/02/2023 16:40	4.1	13	10	5.9	0	27.6	36
06/02/2023 16:50	4.6	10	7	6	0	26.8	42
06/02/2023 17:00	4.6	181	9	5.8	0	26.2	47
06/02/2023 17:10	4.2	177	8	5.5	0	25.6	52
06/02/2023 17:20	5	359	6	6.3	0	24.9	57
06/02/2023 17:30	5	178	6	6.1	0	24.4	61
06/02/2023 17:40	5.4	356	6	6.4	0	24.1	60
06/02/2023 17:50	4.3	350	7	5.9	0	24.1	60
06/02/2023 18:00	3.7	346	8	5.2	0	24.1	60
06/02/2023 18:10	3.8	343	8	5.4	0	24.1	60
06/02/2023 18:20	4.1	349	7	5.4	0	24	59
06/02/2023 18:30	4.8	348	7	6.2	0	24	59
06/02/2023 18:40	3.3	311	15	4.8	0	23.9	62
06/02/2023 18:50	3.2	261	6	4.3	0	23.5	68
06/02/2023 19:00	3.4	267	9	4.5	0	23.1	72
06/02/2023 19:10	3.5	267	7	4.6	0	22.7	71
06/02/2023 19:20	3.2	266	6	4.3	0	22.8	71
06/02/2023 19:30	3.1	267	7	4.2	0	22.7	70
06/02/2023 19:40	3.5	264	6	4.6	0	22.6	71
06/02/2023 19:50	3.6	269	7	5.1	0	22.6	72
06/02/2023 20:00	3.7	267	5	4.8	0	22.4	72
06/02/2023 20:10	3.7	267	5	4.7	0	22.4	73
06/02/2023 20:20	3.7	265	5	4.8	0	22.4	73
06/02/2023 20:30	3.4	267	4	4.4	0	22.2	74
06/02/2023 20:40	3.8	266	5	4.8	0	22	74
06/02/2023 20:50	3.6	267	5	4.8	0	22	74
06/02/2023 21:00	3.5	268	4	4.4	0	21.9	73
06/02/2023 21:10	3.3	266	4	4.1	0	21.8	73
06/02/2023 21:20	3.7	263	4	4.7	0	21.8	74
06/02/2023 21:30	3.4	263	4	4	0	21.6	74
06/02/2023 21:40	3.1	266	4	3.8	0	21.2	74
06/02/2023 21:50	3.6	270	3	4.3	0	21	74
06/02/2023 22:00	3.4	268	4	4.4	0	21	74
06/02/2023 22:10	4	269	4	5	0	20.9	74
06/02/2023 22:20	4	271	5	5.2	0	20.8	74
06/02/2023 22:30	3.9	271	4	4.6	0	20.9	74
06/02/2023 22:40	3.8	267	5	5.2	0	20.8	74
06/02/2023 22:50	4	267	6	5	0	20.7	74
06/02/2023 23:00	3.9	268	4	4.9	0	20.5	74
06/02/2023 23:10	4.3	272	3	5.4	0	20.5	74
06/02/2023 23:20	3.7	269	4	4.9	0	20.3	74
06/02/2023 23:30	3.5	273	5	4.3	0	20.3	73
06/02/2023 23:40	4	272	5	5.4	0	20.4	73
06/02/2023 23:50	3.5	273	6	4.6	0	20.5	72
06/03/2023 00:00	3.9	282	5	4.6	0	20.4	73
06/03/2023 00:10	3.7	282	5	4.6	0	20.4	73
06/03/2023 00:20	3.9	277	4	4.8	0	20.3	74
06/03/2023 00:30	4	276	3	4.7	0	20.2	74



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/03/2023 00:40	3.9	279	5	4.9	0	20.2	74
06/03/2023 00:50	3.7	279	4	4.5	0	20.2	74
06/03/2023 01:00	4.1	274	4	5.3	0	20.1	74
06/03/2023 01:10	3.5	266	3	4.3	0	19.9	74
06/03/2023 01:20	3.1	269	3	3.6	0	19.6	75
06/03/2023 01:30	3.1	273	3	3.5	0	19.4	75
06/03/2023 01:40	3.4	269	2	3.6	0	19.3	75
06/03/2023 01:50	3	265	2	3.2	0	19	75
06/03/2023 02:00	2.9	271	6	3.5	0	18.8	75
06/03/2023 02:10	3.4	275	3	4.1	0	19.1	75
06/03/2023 02:20	3.6	274	5	4.3	0	19.2	75
06/03/2023 02:30	3.6	266	5	4.2	0	19	75
06/03/2023 02:40	3.3	275	4	4	0	18.7	75
06/03/2023 02:50	3.6	284	4	4.3	0	19.3	74
06/03/2023 03:00	3.6	286	4	4.3	0	19.7	72
06/03/2023 03:10	3.7	284	5	4.5	0	20	69
06/03/2023 03:20	1.5	271	22	2.6	0	19.5	71
06/03/2023 03:30	2.9	276	10	4.4	0	19.2	71
06/03/2023 03:40	1.8	275	23	3.4	0	19.5	68
06/03/2023 03:50	1.4	264	20	2.2	0	18.9	72
06/03/2023 04:00	2.5	273	10	3.3	0	18.8	72
06/03/2023 04:10	1.7	250	17	2.6	0	19.1	69
06/03/2023 04:20	1.6	262	15	2.6	0	19.2	66
06/03/2023 04:30	2.7	269	7	3.4	0	19.6	62
06/03/2023 04:40	2.3	266	8	3	0	19.9	57
06/03/2023 04:50	1.7	247	25	2.7	0	20.4	52
06/03/2023 05:00	1.4	228	20	2.4	0	20.4	51
06/03/2023 05:10	1.3	208	19	2.4	0	20.6	50
06/03/2023 05:20	0.8	195	50	2.3	0	20.3	50
06/03/2023 05:30	1.1	126	33	2	0	20.8	46
06/03/2023 05:40	1	23	22	1.9	0	20.8	46
06/03/2023 05:50	0.8	115	44	1.8	0	20.2	48
06/03/2023 06:00	1	152	69	2.5	0	20.3	47
06/03/2023 06:10	0.9	222	60	2.5	0	20.6	46
06/03/2023 06:20	0.8	223	74	2.3	0	20.6	45
06/03/2023 06:30	1.2	219	45	2.4	0	21.3	39
06/03/2023 06:40	0.8	103	38	1.9	0	20.5	42
06/03/2023 06:50	0.8	81	49	1.5	0	19.7	44
06/03/2023 07:00	0.7	139	54	1.6	0	19.6	44
06/03/2023 07:10	0.7	77	42	1.4	0	19.5	44
06/03/2023 07:20	2.5	188	15	4.6	0	20.6	40
06/03/2023 07:30	1.9	170	19	3	0	21.1	40
06/03/2023 07:40	2.2	177	25	3.6	0	20.9	40
06/03/2023 07:50	1.3	113	32	2.4	0	21.3	39
06/03/2023 08:00	1.4	199	28	2.7	0	21.4	38
06/03/2023 08:10	1.3	138	63	2.6	0	21.9	37
06/03/2023 08:20	0.9	195	46	1.9	0	22	38
06/03/2023 08:30	1.9	139	24	3.1	0	22.4	36



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/03/2023 08:40	2.1	133	17	3.7	0	22.7	35
06/03/2023 08:50	2.5	129	16	4.3	0	22.8	34
06/03/2023 09:00	2.4	117	22	4.5	0	22.8	34
06/03/2023 09:10	2.7	114	19	4.3	0	23	34
06/03/2023 09:20	2.9	111	15	4.5	0	22.7	36
06/03/2023 09:30	3	102	13	4.6	0	22.5	39
06/03/2023 09:40	3.2	107	14	4.7	0	22.4	40
06/03/2023 09:50	3.1	108	14	4.4	0	22.3	43
06/03/2023 10:00	3.3	105	13	4.6	0	22.7	41
06/03/2023 10:10	3.9	98	11	5.3	0	23.1	37
06/03/2023 10:20	3.5	99	10	4.8	0	23.2	38
06/03/2023 10:30	3.6	94	12	5.1	0	23.7	38
06/03/2023 10:40	3.4	95	12	4.8	0	23.8	37
06/03/2023 10:50	3.5	94	11	4.5	0	24.3	36
06/03/2023 11:00	3.3	91	13	4.9	0	24.9	36
06/03/2023 11:10	3.4	83	15	4.7	0	25.2	35
06/03/2023 11:20	4	70	10	5.7	0	25	35
06/03/2023 11:30	3.6	73	13	5.5	0	25.1	36
06/03/2023 11:40	3.6	80	11	5.2	0	25.8	34
06/03/2023 11:50	3.5	73	9	5.1	0	25.8	33
06/03/2023 12:00	3.6	82	10	5.1	0	26.1	32
06/03/2023 12:10	3	71	14	4.3	0	26.7	32
06/03/2023 12:20	3.1	83	13	4.5	0	26.9	31
06/03/2023 12:30	3.3	77	12	5.1	0	26.9	30
06/03/2023 12:40	3.8	62	12	5.4	0	26.7	34
06/03/2023 12:50	4	52	10	5.4	0	26.6	35
06/03/2023 13:00	3.4	64	15	4.8	0	27	34
06/03/2023 13:10	3.6	66	13	5.3	0	27.4	33
06/03/2023 13:20	4.5	58	8	6.1	0	26.9	37
06/03/2023 13:30	4.5	51	8	6.1	0	26.6	37
06/03/2023 13:40	5.8	55	9	7.7	0	26.2	37
06/03/2023 13:50	5.8	59	10	8	0	26	41
06/03/2023 14:00	5.8	58	10	8.2	0	25.8	42
06/03/2023 14:10	5.6	53	8	7.4	0	26	42
06/03/2023 14:20	5.9	51	9	7.8	0	25.6	46
06/03/2023 14:30	6	56	6	7.7	0	25.7	40
06/03/2023 14:40	5.3	59	8	6.8	0	26.3	37
06/03/2023 14:50	5.9	56	7	7.2	0	26.1	35
06/03/2023 15:00	4.7	58	9	6	0	26.9	31
06/03/2023 15:10	4.3	63	8	5.4	0	27.1	31
06/03/2023 15:20	5.5	57	9	7.5	0	26.7	34
06/03/2023 15:30	4.1	64	7	5.7	0	27.1	31
06/03/2023 15:40	4.9	60	7	6.6	0	27	33
06/03/2023 15:50	4.7	56	8	6.4	0	26.6	37
06/03/2023 16:00	4.2	23	19	5.8	0	27	38
06/03/2023 16:10	4	48	14	6.7	0	26.7	40
06/03/2023 16:20	4.8	12	10	6.4	0	26.5	42
06/03/2023 16:30	3.7	11	9	5.1	0	26.5	41



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/03/2023 16:40	4.4	16	8	5.6	0	26.2	42
06/03/2023 16:50	4.4	16	8	5.7	0	25.9	46
06/03/2023 17:00	4.5	24	7	5.6	0	25.5	46
06/03/2023 17:10	4	23	8	5.5	0	25.2	48
06/03/2023 17:20	3.4	15	9	5	0	24.7	49
06/03/2023 17:30	1.7	347	27	3.2	0	24.4	50
06/03/2023 17:40	1.7	10	23	2.9	0	24.2	51
06/03/2023 17:50	2.2	5	9	3.4	0	23.9	52
06/03/2023 18:00	2.6	352	8	3.4	0	23.8	53
06/03/2023 18:10	2.2	346	10	3.3	0	23.7	53
06/03/2023 18:20	1.5	325	15	2.4	0	23.4	57
06/03/2023 18:30	1.9	313	9	2.8	0	23.2	63
06/03/2023 18:40	1.9	321	12	3	0	23.2	62
06/03/2023 18:50	1.6	310	13	2.7	0	23	63
06/03/2023 19:00	1.4	302	14	2.2	0	22.8	65
06/03/2023 19:10	0.9	292	41	2	0	22.5	64
06/03/2023 19:20	2.2	257	5	2.7	0	22	68
06/03/2023 19:30	1.8	265	7	2.3	0	21.8	71
06/03/2023 19:40	1	182	46	1.5	0	21.3	72
06/03/2023 19:50	0.6	191	33	1.1	0	21.1	72
06/03/2023 20:00	0.5	329	19	0.9	0	21.5	72
06/03/2023 20:10	1	301	14	1.5	0	21.6	72
06/03/2023 20:20	1.4	275	5	1.7	0	21.6	73
06/03/2023 20:30	1.4	285	8	1.6	0	21.4	73
06/03/2023 20:40	1.6	278	3	1.8	0	21.4	73
06/03/2023 20:50	1.6	275	4	1.8	0	21.3	74
06/03/2023 21:00	1.4	280	17	2	0	21.2	74
06/03/2023 21:10	0.6	251	42	1	0	20.8	74
06/03/2023 21:20	1.2	266	11	1.7	0	20.7	74
06/03/2023 21:30	1.4	279	4	1.6	0	20.9	74
06/03/2023 21:40	1.3	292	7	1.5	0	20.4	74
06/03/2023 21:50	0.7	322	36	1.1	0	20	74
06/03/2023 22:00	0.2	206	46	0.4	0	20.1	75
06/03/2023 22:10	0.4	301	33	0.7	0	20.2	75
06/03/2023 22:20	1.3	288	13	2	0	20.2	75
06/03/2023 22:30	1.7	287	3	2.2	0	20.5	75
06/03/2023 22:40	1.9	285	4	2.4	0	20.6	75
06/03/2023 22:50	1	154	30	1.5	0	19.9	75
06/03/2023 23:00	1.1	307	11	1.6	0	19.6	75
06/03/2023 23:10	1.4	312	6	1.7	0	19.7	75
06/03/2023 23:20	1.6	308	5	2.1	0	20.5	74
06/03/2023 23:30	1.6	295	6	1.9	0	20.8	75
06/03/2023 23:40	1.7	281	4	2	0	20.7	75
06/03/2023 23:50	1.6	277	3	2	0	20.4	74
06/04/2023 00:00	1.1	284	7	1.5	0	19.6	74
06/04/2023 00:10	1.5	275	3	1.7	0	19.3	73
06/04/2023 00:20	2.1	268	2	2.2	0	19.8	72
06/04/2023 00:30	2.5	270	2	2.7	0	19.5	71





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/04/2023 00:40	2.7	270	2	3	0	19.8	72
06/04/2023 00:50	2.5	271	2	2.7	0	19.7	72
06/04/2023 01:00	2.5	274	3	2.8	0	19.7	73
06/04/2023 01:10	2	281	7	2.5	0	19.6	72
06/04/2023 01:20	2	273	7	2.7	0	19.1	72
06/04/2023 01:30	2.8	268	7	3.6	0	19.2	69
06/04/2023 01:40	1.3	187	34	2.1	0	19	68
06/04/2023 01:50	0.7	247	56	1.5	0	18.6	68
06/04/2023 02:00	0.8	276	45	1.6	0	18.9	71
06/04/2023 02:10	0.6	168	61	1.3	0	19	74
06/04/2023 02:20	0.7	314	52	1.4	0	18.3	74
06/04/2023 02:30	0.7	268	63	1.3	0	18.4	74
06/04/2023 02:40	0.4	170	64	0.9	0	18.3	74
06/04/2023 02:50	0.5	184	71	1	0	18.2	74
06/04/2023 03:00	1	19	14	1.7	0	18.5	73
06/04/2023 03:10	0.6	181	49	1	0	18.3	72
06/04/2023 03:20	1	42	10	1.4	0	18.4	72
06/04/2023 03:30	1.3	34	8	1.6	0	18.5	71
06/04/2023 03:40	1.5	35	8	1.8	0	18.4	72
06/04/2023 03:50	0.9	5	21	1.3	0	18.9	70
06/04/2023 04:00	0.4	132	87	1.1	0	18.3	70
06/04/2023 04:10	1.1	39	9	1.7	0	17.9	70
06/04/2023 04:20	1.7	40	6	2.1	0	18	69
06/04/2023 04:30	1.9	50	3	2.2	0	18.2	68
06/04/2023 04:40	1.5	44	4	1.8	0	18.6	65
06/04/2023 04:50	1.4	45	5	1.8	0	18.6	65
06/04/2023 05:00	2	82	15	2.9	0	17.7	68
06/04/2023 05:10	1.4	87	23	2.3	0	17.5	69
06/04/2023 05:20	1.5	71	20	2.3	0	17.9	71
06/04/2023 05:30	1.8	57	9	2.2	0	18	72
06/04/2023 05:40	2	66	7	2.6	0	17.5	73
06/04/2023 05:50	1.5	75	14	2.1	0	17.5	74
06/04/2023 06:00	1.6	87	14	2.3	0	17.4	75
06/04/2023 06:10	1.7	97	18	3.2	0	17.4	75
06/04/2023 06:20	1.6	97	15	2.4	0	17.3	75
06/04/2023 06:30	1.3	82	13	2.2	0	17.2	74
06/04/2023 06:40	1.5	75	7	2.1	0	17	72
06/04/2023 06:50	1.5	72	5	1.8	0	16.9	71
06/04/2023 07:00	1.6	69	7	2	0	16.9	69
06/04/2023 07:10	1.5	79	7	2.1	0	16.9	67
06/04/2023 07:20	1.4	60	10	2.1	0	17.4	65
06/04/2023 07:30	1.8	82	12	2.7	0	17.7	65
06/04/2023 07:40	3.2	102	11	4.8	0	18.2	69
06/04/2023 07:50	3.9	107	11	5.5	0	18.9	73
06/04/2023 08:00	4.1	107	10	6.3	0	19.2	71
06/04/2023 08:10	4.2	107	11	6.1	0	19.3	68
06/04/2023 08:20	4.3	108	11	6.7	0	19.7	65
06/04/2023 08:30	4.5	106	11	6.9	0	20.2	59



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/04/2023 08:40	5	105	10	7.6	0	20.8	53
06/04/2023 08:50	4.9	109	9	7.3	0	21	51
06/04/2023 09:00	5.6	106	9	8.2	0	21.1	51
06/04/2023 09:10	5.1	105	12	7.9	0	21.5	52
06/04/2023 09:20	6.2	98	9	8.6	0	21.6	52
06/04/2023 09:30	6.7	94	8	9.5	0	21.5	54
06/04/2023 09:40	6.2	91	8	8.6	0	21.5	57
06/04/2023 09:50	5.1	94	10	6.8	0	21.3	58
06/04/2023 10:00	4.9	87	10	7	0	21.8	58
06/04/2023 10:10	5.2	95	11	7.3	0	21.8	62
06/04/2023 10:20	5.5	93	11	8	0	22.1	62
06/04/2023 10:30	6.1	89	9	8.6	0	22.3	62
06/04/2023 10:40	6.9	87	9	8.9	0	22.6	60
06/04/2023 10:50	6.9	90	9	9.2	0	22.8	59
06/04/2023 11:00	6.7	86	8	9.3	0	23	58
06/04/2023 11:10	6.7	87	8	9.7	0	23.3	57
06/04/2023 11:20	7.2	85	8	9.6	0	23.5	55
06/04/2023 11:30	7.3	82	10	10.1	0	23.7	53
06/04/2023 11:40	7.7	79	7	10.1	0	23.3	52
06/04/2023 11:50	8.3	76	7	10.7	0	23.4	51
06/04/2023 12:00	8.1	75	7	10.3	0	23.3	51
06/04/2023 12:10	8.7	78	6	11.7	0	23.2	49
06/04/2023 12:20	7.3	78	9	9.5	0	23.5	50
06/04/2023 12:30	6.9	73	10	9.7	0	23.7	51
06/04/2023 12:40	7	78	10	9.7	0	24	50
06/04/2023 12:50	6.5	71	13	9.1	0	24.3	50
06/04/2023 13:00	6.1	79	11	8.9	0	24.4	50
06/04/2023 13:10	7.1	62	8	9.9	0	24	49
06/04/2023 13:20	6.5	78	14	9	0	24	51
06/04/2023 13:30	6.9	69	9	9.1	0	24.3	49
06/04/2023 13:40	6.5	66	11	9.1	0	24.4	48
06/04/2023 13:50	6.2	80	10	8.4	0	24.5	48
06/04/2023 14:00	6.8	80	9	10	0	24.4	49
06/04/2023 14:10	6.5	63	10	10	0	24.1	50
06/04/2023 14:20	5.7	70	10	7.8	0	24.6	49
06/04/2023 14:30	6.2	61	9	8.8	0	24.1	50
06/04/2023 14:40	5.8	62	11	8.2	0	24	52
06/04/2023 14:50	5.8	59	11	8.4	0	23.8	53
06/04/2023 15:00	5.8	60	10	8.2	0	23.9	52
06/04/2023 15:10	5.4	52	9	7.8	0	23.9	53
06/04/2023 15:20	5.1	49	8	6.9	0	23.6	55
06/04/2023 15:30	5.1	56	10	7	0	23.8	54
06/04/2023 15:40	5	59	12	7	0	23.8	56
06/04/2023 15:50	5.2	62	10	7	0	23.7	57
06/04/2023 16:00	5.1	62	9	6.9	0	23.5	58
06/04/2023 16:10	5.3	70	9	7.6	0	23.3	60
06/04/2023 16:20	5	63	11	6.4	0	23.4	60
06/04/2023 16:30	5	69	7	6.4	0	23.4	61



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/04/2023 16:40	5.1	70	7	6.5	0	23.2	62
06/04/2023 16:50	4.4	60	9	5.7	0	23.1	63
06/04/2023 17:00	4.4	57	7	5.8	0	23	64
06/04/2023 17:10	4.4	55	7	5.7	0	22.9	65
06/04/2023 17:20	3.8	55	7	5	0	22.5	67
06/04/2023 17:30	3.8	56	7	5.1	0	22.2	69
06/04/2023 17:40	3.4	56	7	4.7	0	22.1	70
06/04/2023 17:50	3.1	51	6	4	0	21.9	71
06/04/2023 18:00	3	61	8	3.8	0	21.8	71
06/04/2023 18:10	2.4	65	9	3.6	0	21.7	72
06/04/2023 18:20	1.7	77	16	2.7	0	21.6	72
06/04/2023 18:30	0.7	122	37	2	0	21.5	73
06/04/2023 18:40	1.2	65	19	2	0	21.5	73
06/04/2023 18:50	1.2	61	11	2	0	21.4	73
06/04/2023 19:00	1.2	54	16	2	0	21.4	73
06/04/2023 19:10	1.5	62	6	1.9	0	21.4	73
06/04/2023 19:20	1.3	56	6	1.8	0	21.4	74
06/04/2023 19:30	1.3	50	5	1.8	0	21.2	74
06/04/2023 19:40	1	54	6	1.5	0	21.2	74
06/04/2023 19:50	0.4	89	17	0.7	0	21	74
06/04/2023 20:00	0.6	86	12	0.9	0	21	74
06/04/2023 20:10	0.7	72	7	0.9	0	21.1	74
06/04/2023 20:20	0.7	41	16	0.9	0	20.9	74
06/04/2023 20:30	0.6	88	12	0.9	0	21	74
06/04/2023 20:40	0.8	87	8	1	0	20.8	74
06/04/2023 20:50	0.8	110	7	1	0	20.7	74
06/04/2023 21:00	0.3	57	55	0.6	0	20.8	74
06/04/2023 21:10	0.5	60	18	0.8	0	20.9	74
06/04/2023 21:20	0.6	42	14	0.7	0	21	74
06/04/2023 21:30	0.2	91	36	0.4	0	21	73
06/04/2023 21:40	0.5	92	32	0.7	0	20.9	73
06/04/2023 21:50	0.9	15	13	1.3	0	21	73
06/04/2023 22:00	0.7	48	13	1	0	21.1	73
06/04/2023 22:10	0.7	80	7	0.8	0	21.2	73
06/04/2023 22:20	0.8	92	11	1.2	0	21.3	73
06/04/2023 22:30	0.7	101	12	1	0	21.4	73
06/04/2023 22:40	0.7	73	10	1	0	21.3	72
06/04/2023 22:50	0.9	72	9	1.2	0	21.1	72
06/04/2023 23:00	1.3	81	8	1.7	0	21.1	72
06/04/2023 23:10	1.3	71	7	1.7	0	20.9	72
06/04/2023 23:20	1.2	93	10	1.9	0	20.8	72
06/04/2023 23:30	1.3	75	10	1.7	0	20.9	71
06/04/2023 23:40	1.4	86	12	2.1	0	21.1	70
06/04/2023 23:50	1.1	73	8	1.5	0	21	69
06/05/2023 00:00	1.6	75	8	2.2	0	21.1	67
06/05/2023 00:10	2	74	7	2.6	0	21.1	65
06/05/2023 00:20	1.3	92	11	2	0	21.1	63
06/05/2023 00:30	1.6	100	11	2.4	0	21.1	60



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/05/2023 00:40	1.6	72	12	2.4	0	20.9	59
06/05/2023 00:50	1.6	76	8	2.2	0	20.6	57
06/05/2023 01:00	1.3	59	9	1.8	0	20.5	55
06/05/2023 01:10	1.6	61	9	2.2	0	20.4	54
06/05/2023 01:20	1.5	53	10	2.4	0	20.3	53
06/05/2023 01:30	1.3	61	11	2	0	20.3	53
06/05/2023 01:40	1.6	70	7	2.1	0	20.4	53
06/05/2023 01:50	1.4	59	9	2	0	20.4	55
06/05/2023 02:00	1.2	58	7	1.6	0	20.3	55
06/05/2023 02:10	1.4	179	24	2.3	0	20.3	56
06/05/2023 02:20	1	205	26	1.6	0	20.2	57
06/05/2023 02:30	0.9	284	25	1.5	0	20.1	60
06/05/2023 02:40	0.7	233	42	1.6	0	19.8	62
06/05/2023 02:50	0.6	249	45	1.3	0	19.7	63
06/05/2023 03:00	0.5	195	59	1.1	0	19.9	65
06/05/2023 03:10	0.6	128	42	1.3	0	19.7	67
06/05/2023 03:20	0.5	46	33	1.2	0	19.6	68
06/05/2023 03:30	1.3	34	9	1.7	0	19.6	69
06/05/2023 03:40	1.5	44	4	1.8	0	19.3	69
06/05/2023 03:50	1.1	197	16	1.4	0	19.3	68
06/05/2023 04:00	1.6	35	11	2	0	19.3	68
06/05/2023 04:10	1.8	34	6	2.3	0	19.1	68
06/05/2023 04:20	0.9	36	13	1.5	0	19.3	67
06/05/2023 04:30	1.3	53	7	1.6	0	19.5	68
06/05/2023 04:40	1.3	53	3	1.6	0	19.5	69
06/05/2023 04:50	0.5	175	38	1.2	0	19.5	69
06/05/2023 05:00	0.8	288	22	1.4	0	19.6	69
06/05/2023 05:10	1	272	48	1.5	0	19.8	70
06/05/2023 05:20	0.9	130	69	1.9	0	19.9	71
06/05/2023 05:30	1.4	198	30	2.9	0	20.3	71
06/05/2023 05:40	1	263	13	1.6	0	20.4	73
06/05/2023 05:50	0.4	270	42	1.2	0	20.4	73
06/05/2023 06:00	0.9	257	25	1.7	0	20.4	74
06/05/2023 06:10	1	182	50	2.4	0	20.4	74
06/05/2023 06:20	1	74	17	1.9	0	20.3	74
06/05/2023 06:30	1.1	59	26	1.8	0	20.3	74
06/05/2023 06:40	2.2	52	10	2.7	0	20	74
06/05/2023 06:50	2	101	10	2.9	0	19.9	74
06/05/2023 07:00	2.4	114	8	2.9	0	19.9	74
06/05/2023 07:10	1.6	88	20	2.1	0	20.1	74
06/05/2023 07:20	1.4	64	13	1.8	0	19.9	74
06/05/2023 07:30	1.7	72	10	2	0	19.9	74
06/05/2023 07:40	2	95	6	2.5	0	20.4	74
06/05/2023 07:50	1.8	76	9	2.1	0	20.5	74
06/05/2023 08:00	1.9	90	8	2.1	0	21	74
06/05/2023 08:10	2	99	9	2.5	0	21.5	74
06/05/2023 08:20	2	95	7	2.5	0	21.5	74
06/05/2023 08:30	2.8	92	7	3.5	0	21.5	74



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/05/2023 08:40	2.5	93	6	3.2	0	21.3	74
06/05/2023 08:50	2.6	91	7	3.4	0	21.4	74
06/05/2023 09:00	2.7	94	8	3.6	0	21.3	74
06/05/2023 09:10	2.5	99	12	3.6	0	21.4	74
06/05/2023 09:20	2.1	103	10	2.9	0	21.7	74
06/05/2023 09:30	2.4	95	10	3.2	0	22	74
06/05/2023 09:40	2.1	80	11	2.8	0	22.4	72
06/05/2023 09:50	2.6	69	12	3.7	0	22.8	71
06/05/2023 10:00	2.3	95	16	3.3	0	23.2	69
06/05/2023 10:10	2.5	96	17	3.6	0	23.4	69
06/05/2023 10:20	2.6	105	15	3.8	0	23.5	69
06/05/2023 10:30	2.6	103	10	3.9	0	23.7	69
06/05/2023 10:40	3	105	12	4.2	0	23.5	69
06/05/2023 10:50	3.9	92	6	4.8	0	23.1	70
06/05/2023 11:00	3.6	77	7	4.9	0	23.2	71
06/05/2023 11:10	3.2	91	9	4.1	0	23.3	72
06/05/2023 11:20	3.1	93	9	4.1	0	23.4	71
06/05/2023 11:30	3.7	95	9	4.9	0	23.4	71
06/05/2023 11:40	3.3	86	8	4.2	0	23.1	72
06/05/2023 11:50	3.1	83	9	4.1	0	22.8	73
06/05/2023 12:00	2.2	75	13	3.1	0	23.1	73
06/05/2023 12:10	2.2	50	12	3.2	0	23.3	72
06/05/2023 12:20	2.6	178	29	4	0	23.6	71
06/05/2023 12:30	3.1	262	19	5.2	0	24.5	62
06/05/2023 12:40	3.5	270	15	5.2	0	24.9	57
06/05/2023 12:50	3.7	276	13	6	0	25.3	56
06/05/2023 13:00	4.1	286	11	5.7	0	25.4	57
06/05/2023 13:10	4	280	14	5.7	0	25.5	54
06/05/2023 13:20	4.1	263	12	6.3	0	25.6	52
06/05/2023 13:30	4.4	274	9	6.7	0	25.4	50
06/05/2023 13:40	5	278	13	6.4	0	25.6	49
06/05/2023 13:50	5	282	9	7.2	0	25.5	49
06/05/2023 14:00	4.9	274	10	6.9	0	25.7	50
06/05/2023 14:10	5.3	267	7	7.1	0	25.6	51
06/05/2023 14:20	5.8	263	8	7	0	25.6	51
06/05/2023 14:30	5.7	272	9	7.1	0	25.5	51
06/05/2023 14:40	5.5	267	8	7.2	0	25.5	49
06/05/2023 14:50	5.1	283	9	6.9	0	25.8	48
06/05/2023 15:00	5.5	278	7	6.9	0	25.5	48
06/05/2023 15:10	5.5	274	9	6.8	0	25.4	48
06/05/2023 15:20	6.2	274	11	9	0	25.4	52
06/05/2023 15:30	6.3	267	7	8.1	0	25	53
06/05/2023 15:40	6.4	265	4	7.9	0	24.8	53
06/05/2023 15:50	7.7	276	6	9.5	0	24.4	57
06/05/2023 16:00	7.4	273	8	9.7	0	24.4	58
06/05/2023 16:10	7.5	268	7	9.7	0	24.3	55
06/05/2023 16:20	7.5	270	8	9.5	0	24.1	56
06/05/2023 16:30	6.4	273	9	9.1	0	24.2	57



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/05/2023 16:40	6.8	269	8	9.2	0	24	59
06/05/2023 16:50	6.9	273	7	9	0	23.8	59
06/05/2023 17:00	6.6	275	7	9	0	23.6	59
06/05/2023 17:10	7.1	271	7	9.6	0	23.4	59
06/05/2023 17:20	6.3	273	7	8.8	0	23.1	60
06/05/2023 17:30	6.5	270	7	9.1	0	22.9	59
06/05/2023 17:40	7	265	8	9.9	0	22.8	58
06/05/2023 17:50	7	265	6	9.4	0	22.8	56
06/05/2023 18:00	5.9	263	7	7.9	0	22.6	57
06/05/2023 18:10	6.6	261	7	8.9	0	22.5	58
06/05/2023 18:20	6.5	260	7	9.4	0	22.4	58
06/05/2023 18:30	6.3	260	6	8.3	0	22.2	60
06/05/2023 18:40	6.1	262	6	8.4	0	22.2	60
06/05/2023 18:50	5.9	264	7	7.4	0	22.1	60
06/05/2023 19:00	5.6	263	6	7.5	0	22.1	60
06/05/2023 19:10	5.3	265	6	6.8	0	22	60
06/05/2023 19:20	4.9	264	5	6.7	0	21.8	61
06/05/2023 19:30	4.7	264	6	6.2	0	21.7	61
06/05/2023 19:40	4.8	262	5	6.7	0	21.6	61
06/05/2023 19:50	5	265	5	6.8	0	21.5	62
06/05/2023 20:00	5	262	6	6.4	0	21.4	62
06/05/2023 20:10	5.1	260	6	6.3	0	21.2	63
06/05/2023 20:20	4.5	259	5	5.6	0	21.1	66
06/05/2023 20:30	4	259	7	5.2	0	21	68
06/05/2023 20:40	4.2	261	6	5.4	0	21.1	68
06/05/2023 20:50	4.7	261	7	6.5	0	21.3	66
06/05/2023 21:00	4.5	258	5	5.8	0	21.2	67
06/05/2023 21:10	3.9	258	4	4.9	0	21	69
06/05/2023 21:20	3.8	257	6	5	0	20.7	71
06/05/2023 21:30	3.7	261	4	4.5	0	20.5	72
06/05/2023 21:40	3.7	259	5	4.5	0	20.6	72
06/05/2023 21:50	4.2	256	5	5.3	0	20.5	72
06/05/2023 22:00	4	258	5	5.1	0	20.4	72
06/05/2023 22:10	3.4	260	3	4	0	20.1	73
06/05/2023 22:20	3.2	260	4	3.9	0	20	74
06/05/2023 22:30	3.5	260	4	4.2	0	19.9	74
06/05/2023 22:40	3.6	261	4	4.3	0	19.7	74
06/05/2023 22:50	3.4	263	4	4.2	0	19.6	75
06/05/2023 23:00	3	268	4	3.7	0	19.7	75
06/05/2023 23:10	2.9	270	4	3.6	0	19.8	75
06/05/2023 23:20	3	270	4	3.8	0	19.8	75
06/05/2023 23:30	3.1	268	5	3.9	0	19.7	75
06/05/2023 23:40	3	263	8	4.1	0	19.4	75
06/05/2023 23:50	3.2	264	7	4.3	0	19.2	75
06/06/2023 00:00	2.9	272	5	3.9	0	19.2	75
06/06/2023 00:10	3	273	5	3.7	0	19.3	75
06/06/2023 00:20	3.2	274	4	3.9	0	19.1	75
06/06/2023 00:30	3.3	277	5	4	0	19.2	75



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/06/2023 00:40	3.3	276	5	3.9	0	19.1	75
06/06/2023 00:50	3.2	273	4	3.9	0	19.1	75
06/06/2023 01:00	3.1	265	7	3.9	0	19	75
06/06/2023 01:10	3.9	263	5	4.8	0	18.9	75
06/06/2023 01:20	4.4	260	6	5.6	0	19.1	75
06/06/2023 01:30	4.6	258	6	5.8	0	19.3	75
06/06/2023 01:40	4.5	259	6	5.8	0	19.3	75
06/06/2023 01:50	4.3	263	5	5.4	0	19.3	75
06/06/2023 02:00	4.2	267	5	5	0	19.3	75
06/06/2023 02:10	4	270	8	5.5	0	19.2	75
06/06/2023 02:20	3.6	269	8	5.1	0	19.1	75
06/06/2023 02:30	3.2	257	13	4.6	0	19.1	75
06/06/2023 02:40	3.7	235	13	6	0	19.6	75
06/06/2023 02:50	4.1	235	11	6	0	19.9	74
06/06/2023 03:00	3.9	237	13	5.8	0	19.8	74
06/06/2023 03:10	3.3	220	15	5.5	0	19.7	74
06/06/2023 03:20	3.7	218	11	6	0	19.6	74
06/06/2023 03:30	4.7	215	10	7.2	0	19.6	74
06/06/2023 03:40	6	212	8	8.7	0	19.6	74
06/06/2023 03:50	5.5	212	9	7.6	0	19.5	73
06/06/2023 04:00	5.1	213	9	7.6	0	19.5	74
06/06/2023 04:10	4	221	15	5.6	0	19.5	74
06/06/2023 04:20	4	220	12	6.4	0	19.5	74
06/06/2023 04:30	4.8	212	9	7.1	0	19.6	73
06/06/2023 04:40	5.1	211	9	7	0	19.5	72
06/06/2023 04:50	4.9	211	8	6.9	0	19.5	71
06/06/2023 05:00	4.6	210	9	6.8	0	19.5	71
06/06/2023 05:10	4.7	210	9	6.7	0	19.5	70
06/06/2023 05:20	4.6	209	8	6.7	0	19.6	70
06/06/2023 05:30	4.9	210	9	7	0	19.5	70
06/06/2023 05:40	5.3	211	8	7.6	0	19.5	70
06/06/2023 05:50	5.2	215	10	7.5	0	19.5	70
06/06/2023 06:00	4.3	216	9	6.3	0	19.4	70
06/06/2023 06:10	4.9	212	9	6.6	0	19.2	69
06/06/2023 06:20	4.5	214	11	6.7	0	19.3	68
06/06/2023 06:30	4.5	216	10	6.8	0	19.3	67
06/06/2023 06:40	3.8	216	11	5.9	0	19.2	68
06/06/2023 06:50	4.5	218	13	7.6	0	19.3	67
06/06/2023 07:00	4.2	213	11	6.9	0	19.4	67
06/06/2023 07:10	4.9	214	8	7.4	0	19.4	66
06/06/2023 07:20	5.1	214	8	6.5	0	19.5	64
06/06/2023 07:30	5.1	211	8	7	0	19.6	64
06/06/2023 07:40	5.1	212	9	6.9	0	19.6	65
06/06/2023 07:50	4.8	212	8	6.6	0	19.7	63
06/06/2023 08:00	4.8	211	8	6.5	0	20.3	60
06/06/2023 08:10	4.5	211	8	5.9	0	20.3	60
06/06/2023 08:20	4.6	212	7	6.1	0	20.5	60
06/06/2023 08:30	4.1	207	9	5.9	0	20.7	59



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/06/2023 08:40	5.4	211	8	6.9	0	20.9	58
06/06/2023 08:50	5.3	210	8	6.8	0	21	57
06/06/2023 09:00	4.9	209	7	6.7	0	21.3	57
06/06/2023 09:10	4.3	202	10	5.8	0	21.5	56
06/06/2023 09:20	4.5	192	11	6.5	0	22	55
06/06/2023 09:30	5.3	195	10	7.5	0	22.3	54
06/06/2023 09:40	5.3	193	10	7.8	0	22.3	54
06/06/2023 09:50	5	194	12	7	0	22.3	54
06/06/2023 10:00	5.1	203	12	7.5	0	22.4	53
06/06/2023 10:10	4.2	181	12	5.6	0	22.7	53
06/06/2023 10:20	4.2	198	13	6.3	0	22.8	52
06/06/2023 10:30	4	198	14	5.8	0	23.3	50
06/06/2023 10:40	4.4	201	11	6.7	0	23.5	49
06/06/2023 10:50	4.1	215	20	6.4	0	23.8	48
06/06/2023 11:00	4.5	219	18	6.6	0	23.7	48
06/06/2023 11:10	4.4	225	16	6.8	0	24	47
06/06/2023 11:20	4.6	211	19	8.6	0	24.2	47
06/06/2023 11:30	4.2	236	17	6.7	0	24.5	45
06/06/2023 11:40	4.7	215	19	7.1	0	24.6	45
06/06/2023 11:50	4.6	206	12	6.9	0	24.4	45
06/06/2023 12:00	4.7	230	15	7.3	0	24.8	44
06/06/2023 12:10	4.9	225	21	7.7	0	25	44
06/06/2023 12:20	5.5	246	20	8.5	0	25.2	46
06/06/2023 12:30	5	246	13	8.4	0	24.7	46
06/06/2023 12:40	5.4	275	14	8	0	24.8	49
06/06/2023 12:50	4.9	281	12	7.2	0	25.1	48
06/06/2023 13:00	5.3	285	10	7.1	0	25.2	48
06/06/2023 13:10	5.1	288	13	7	0	24.8	49
06/06/2023 13:20	5.8	279	8	7.3	0	25	49
06/06/2023 13:30	5.7	279	10	7.1	0	24.8	50
06/06/2023 13:40	5.4	280	9	7.1	0	24.6	51
06/06/2023 13:50	5	282	13	7.4	0	24.7	50
06/06/2023 14:00	5.6	285	11	7	0	24.9	49
06/06/2023 14:10	5.5	290	11	7.6	0	24.9	49
06/06/2023 14:20	6.1	280	11	8	0	24.8	50
06/06/2023 14:30	6.4	275	8	8.8	0	24.9	49
06/06/2023 14:40	6.7	280	8	9	0	24.5	51
06/06/2023 14:50	7.5	277	7	9.7	0	24.3	54
06/06/2023 15:00	7.4	277	6	9.5	0	24.2	55
06/06/2023 15:10	6.9	272	9	9.4	0	24.4	56
06/06/2023 15:20	7	268	8	9.9	0	24.3	57
06/06/2023 15:30	6.1	271	7	8.4	0	24.4	56
06/06/2023 15:40	6.6	275	8	8.7	0	24.5	54
06/06/2023 15:50	7.4	277	6	9.5	0	24.2	55
06/06/2023 16:00	6.7	273	7	10	0	24.2	55
06/06/2023 16:10	6.5	278	7	9.1	0	24.2	58
06/06/2023 16:20	6.9	273	6	9.4	0	24	58
06/06/2023 16:30	6.7	271	8	9.2	0	24	56





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/06/2023 16:40	6.5	274	7	9.3	0	23.9	55
06/06/2023 16:50	6.2	275	8	8.9	0	23.8	57
06/06/2023 17:00	6.5	273	8	8.6	0	23.4	60
06/06/2023 17:10	6.3	274	7	8.3	0	23.2	61
06/06/2023 17:20	5.4	273	8	7.3	0	23	63
06/06/2023 17:30	5.7	271	8	8	0	22.8	63
06/06/2023 17:40	5.4	270	7	7.5	0	22.7	62
06/06/2023 17:50	5.2	267	7	7.1	0	22.6	62
06/06/2023 18:00	5.9	266	8	7.8	0	22.4	63
06/06/2023 18:10	6	261	7	8.5	0	22.2	64
06/06/2023 18:20	5.8	258	7	8.2	0	22	65
06/06/2023 18:30	5.7	262	7	7.9	0	21.9	66
06/06/2023 18:40	6.2	263	7	8.6	0	21.9	67
06/06/2023 18:50	5.8	260	7	7.5	0	21.6	69
06/06/2023 19:00	5.4	260	7	6.9	0	21.5	69
06/06/2023 19:10	5.5	259	7	7.3	0	21.4	70
06/06/2023 19:20	5.2	260	6	6.9	0	21.3	71
06/06/2023 19:30	5.1	260	6	6.6	0	21.2	70
06/06/2023 19:40	5.1	258	6	6.9	0	21.1	71
06/06/2023 19:50	5.4	257	7	7	0	21.1	72
06/06/2023 20:00	5.1	258	6	6.8	0	21	72
06/06/2023 20:10	4.8	261	6	6.3	0	20.9	72
06/06/2023 20:20	5	261	6	6.6	0	20.8	72
06/06/2023 20:30	4.9	258	7	6.5	0	20.7	72
06/06/2023 20:40	4.6	258	6	6	0	20.6	72
06/06/2023 20:50	4.3	253	9	6.2	0	20.6	72
06/06/2023 21:00	4.7	252	9	6.3	0	20.7	70
06/06/2023 21:10	4.8	253	8	6.7	0	20.6	69
06/06/2023 21:20	4.7	255	8	6.9	0	20.5	69
06/06/2023 21:30	4.7	253	8	6.3	0	20.5	69
06/06/2023 21:40	4.5	252	8	6.3	0	20.5	69
06/06/2023 21:50	4.2	249	9	6	0	20.6	68
06/06/2023 22:00	4.8	248	10	6.9	0	20.7	68
06/06/2023 22:10	4.7	250	9	7.1	0	20.8	68
06/06/2023 22:20	4.3	247	9	6.2	0	20.6	69
06/06/2023 22:30	4.3	251	9	6	0	20.6	69
06/06/2023 22:40	3.7	252	10	5.3	0	20.3	70
06/06/2023 22:50	3.8	253	10	5.7	0	20.2	70
06/06/2023 23:00	3.9	251	10	5.8	0	20.1	71
06/06/2023 23:10	3.6	248	11	5.9	0	20.3	71
06/06/2023 23:20	3.7	252	12	5.3	0	20.2	71
06/06/2023 23:30	3.6	255	8	5	0	19.8	72
06/06/2023 23:40	3.4	258	10	4.6	0	19.5	73
06/06/2023 23:50	3.6	259	12	5.5	0	19.4	73
06/07/2023 00:00	3.5	257	12	5.4	0	19.4	74
06/07/2023 00:10	3.4	251	12	5.3	0	19.3	74
06/07/2023 00:20	3.5	243	13	5.6	0	19.7	73
06/07/2023 00:30	3	231	14	4.7	0	19.9	73



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/07/2023 00:40	3.9	220	11	6.6	0	20.2	71
06/07/2023 00:50	4.4	213	9	6.3	0	20.3	69
06/07/2023 01:00	3.8	212	7	5.2	0	20	69
06/07/2023 01:10	3.8	212	8	5.5	0	20	67
06/07/2023 01:20	3.8	212	7	4.8	0	20.1	64
06/07/2023 01:30	4.2	210	8	5.9	0	20.1	63
06/07/2023 01:40	4.1	206	8	5.8	0	20	62
06/07/2023 01:50	4.2	205	8	5.9	0	19.9	61
06/07/2023 02:00	4.1	206	7	5.3	0	19.8	60
06/07/2023 02:10	3.8	207	8	5.4	0	19.7	61
06/07/2023 02:20	3.8	212	7	5	0	19.6	61
06/07/2023 02:30	3.9	211	7	5	0	19.7	60
06/07/2023 02:40	4.2	217	7	5.7	0	19.7	61
06/07/2023 02:50	2.4	263	15	4.1	0	18.7	69
06/07/2023 03:00	3.7	265	6	4.7	0	17.9	74
06/07/2023 03:10	3.6	276	6	4.8	0	17.7	75
06/07/2023 03:20	1.9	260	21	3.1	0	17.5	76
06/07/2023 03:30	1.8	237	17	2.7	0	17.5	76
06/07/2023 03:40	4.5	217	13	6.8	0	18.2	71
06/07/2023 03:50	5.6	212	7	7.8	0	18.9	65
06/07/2023 04:00	5.9	213	7	7.5	0	18.9	63
06/07/2023 04:10	5.8	213	7	7.8	0	19	61
06/07/2023 04:20	5.8	213	8	8.5	0	19	60
06/07/2023 04:30	5.8	211	8	8.2	0	19	59
06/07/2023 04:40	5.9	212	8	8.8	0	18.9	59
06/07/2023 04:50	5.9	211	9	8	0	18.9	59
06/07/2023 05:00	5.4	212	9	7.2	0	18.8	59
06/07/2023 05:10	5	211	8	7.2	0	18.7	58
06/07/2023 05:20	4.9	210	8	6.7	0	18.5	59
06/07/2023 05:30	4.8	211	7	6.1	0	18.3	59
06/07/2023 05:40	4.9	212	7	6.6	0	18.3	59
06/07/2023 05:50	5.3	212	7	7	0	18.4	58
06/07/2023 06:00	4.4	204	7	6.1	0	18.3	59
06/07/2023 06:10	4.4	202	9	6.5	0	18.2	59
06/07/2023 06:20	4.3	207	9	6.1	0	18.3	58
06/07/2023 06:30	4.9	195	11	7.5	0	18.3	58
06/07/2023 06:40	5.5	194	9	7.9	0	18.3	58
06/07/2023 06:50	5	198	9	7.2	0	18.1	58
06/07/2023 07:00	4.9	192	9	6.9	0	18	58
06/07/2023 07:10	4.4	191	10	6.5	0	17.9	58
06/07/2023 07:20	5.3	193	9	7.9	0	17.9	58
06/07/2023 07:30	4.3	189	10	6.6	0	18	58
06/07/2023 07:40	4.5	188	10	7.2	0	18	58
06/07/2023 07:50	4.2	182	11	6.3	0	18.3	57
06/07/2023 08:00	4.9	184	9	7.4	0	18.6	56
06/07/2023 08:10	4.5	182	10	6.9	0	18.8	55
06/07/2023 08:20	4.8	184	9	7.4	0	18.9	55
06/07/2023 08:30	5.4	179	8	7.3	0	19.1	55



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/07/2023 08:40	4.9	182	10	6.8	0	19.2	55
06/07/2023 08:50	5.1	183	10	7	0	19.4	54
06/07/2023 09:00	4.9	179	10	6.9	0	19.8	54
06/07/2023 09:10	3.6	162	18	5.5	0	20.4	53
06/07/2023 09:20	3.4	165	19	5	0	20.7	53
06/07/2023 09:30	4	179	9	5.4	0	20.9	52
06/07/2023 09:40	3.9	173	18	5.4	0	21.2	51
06/07/2023 09:50	3	142	14	5.2	0	21.9	49
06/07/2023 10:00	2.9	133	17	4.6	0	22.5	47
06/07/2023 10:10	2.7	151	20	4.3	0	22.8	46
06/07/2023 10:20	2.8	167	29	4.5	0	23	45
06/07/2023 10:30	2.5	132	30	4.2	0	23.6	44
06/07/2023 10:40	2.8	109	17	4.5	0	24	42
06/07/2023 10:50	3	106	14	4.5	0	24	41
06/07/2023 11:00	2.9	103	18	5	0	23.8	42
06/07/2023 11:10	2.7	114	21	4.2	0	24.3	40
06/07/2023 11:20	2.9	113	16	4.5	0	24.5	39
06/07/2023 11:30	2.6	120	17	4.5	0	24.8	37
06/07/2023 11:40	2.8	128	25	4.4	0	24.6	37
06/07/2023 11:50	2.5	116	18	5	0	24.8	36
06/07/2023 12:00	2.9	112	16	5.2	0	24.9	37
06/07/2023 12:10	3.5	99	15	5.5	0	24.9	36
06/07/2023 12:20	2.5	107	26	4.6	0	25.1	34
06/07/2023 12:30	2.7	104	32	4.7	0	25.4	33
06/07/2023 12:40	2.3	103	27	3.9	0	25.6	33
06/07/2023 12:50	1.6	162	62	4	0	26.1	32
06/07/2023 13:00	1.9	183	47	3.6	0	26	32
06/07/2023 13:10	2.3	100	25	4.1	0	26.4	31
06/07/2023 13:20	1.7	125	51	2.8	0	26.4	31
06/07/2023 13:30	1.8	110	23	3.5	0	26.9	30
06/07/2023 13:40	1.7	152	42	3.1	0	26.4	31
06/07/2023 13:50	1.6	192	63	3.4	0	27	32
06/07/2023 14:00	3	309	16	4.9	0	25.9	36
06/07/2023 14:10	3.1	323	17	4.4	0	25.7	36
06/07/2023 14:20	3.3	320	13	5	0	25.6	36
06/07/2023 14:30	3.4	305	16	5.3	0	25.7	36
06/07/2023 14:40	3.5	311	16	5.9	0	25.5	36
06/07/2023 14:50	3.5	318	13	5.4	0	25.2	37
06/07/2023 15:00	4.2	325	13	6	0	25.4	38
06/07/2023 15:10	4	326	14	5.4	0	25.1	40
06/07/2023 15:20	4.4	324	10	6.3	0	25	41
06/07/2023 15:30	4.3	320	12	6.4	0	24.7	42
06/07/2023 15:40	4.2	326	12	5.9	0	24.7	42
06/07/2023 15:50	3.8	321	12	5.3	0	24.6	42
06/07/2023 16:00	3.7	327	14	5.3	0	24.6	42
06/07/2023 16:10	3.7	328	14	5.2	0	24.5	42
06/07/2023 16:20	3.9	332	10	5.7	0	24.3	43
06/07/2023 16:30	4.2	327	9	6	0	23.9	48



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/07/2023 16:40	3.6	332	16	5.4	0	23.8	47
06/07/2023 16:50	3.9	332	11	5.7	0	23.7	49
06/07/2023 17:00	3.5	331	14	5.1	0	23.5	50
06/07/2023 17:10	4.1	338	12	5.7	0	23.1	51
06/07/2023 17:20	3.8	342	8	5	0	22.8	52
06/07/2023 17:30	3.2	338	13	4.7	0	22.6	51
06/07/2023 17:40	3.5	332	11	4.5	0	22.5	52
06/07/2023 17:50	2.6	330	14	4.2	0	22.4	52
06/07/2023 18:00	2.7	334	13	4.2	0	22.3	52
06/07/2023 18:10	2.8	331	10	4.1	0	22.3	52
06/07/2023 18:20	2.9	333	10	4.3	0	22.2	52
06/07/2023 18:30	2.6	315	12	4	0	22.1	53
06/07/2023 18:40	2.4	324	15	3.5	0	22	53
06/07/2023 18:50	2.6	340	16	3.8	0	21.9	52
06/07/2023 19:00	2.7	311	9	3.8	0	22	52
06/07/2023 19:10	3.1	310	9	4.7	0	22	53
06/07/2023 19:20	3.3	312	9	4.3	0	22	53
06/07/2023 19:30	3.1	308	10	4.4	0	21.9	53
06/07/2023 19:40	2.7	304	10	4.1	0	21.9	53
06/07/2023 19:50	3	308	9	4.3	0	21.8	53
06/07/2023 20:00	2.9	307	11	4.4	0	21.8	53
06/07/2023 20:10	3.2	307	10	4.4	0	21.8	53
06/07/2023 20:20	2.6	298	9	3.8	0	21.7	54
06/07/2023 20:30	3.1	290	8	4.3	0	21.5	54
06/07/2023 20:40	3.4	291	7	4.7	0	21.6	55
06/07/2023 20:50	3.2	281	6	4	0	21	57
06/07/2023 21:00	3.5	279	3	4	0	20.7	58
06/07/2023 21:10	3.4	279	4	4	0	20.7	58
06/07/2023 21:20	3.1	280	4	3.5	0	20.5	61
06/07/2023 21:30	3	281	3	3.5	0	20.4	62
06/07/2023 21:40	3	279	2	3.5	0	20.4	62
06/07/2023 21:50	3.1	279	2	3.4	0	20.1	64
06/07/2023 22:00	3.1	283	3	3.6	0	20.3	64
06/07/2023 22:10	3.3	277	2	3.6	0	20.2	65
06/07/2023 22:20	3.5	283	3	4.1	0	20.2	65
06/07/2023 22:30	3.5	282	4	4	0	20.4	65
06/07/2023 22:40	3.6	279	2	3.9	0	20.3	65
06/07/2023 22:50	3.2	281	4	3.7	0	20.4	65
06/07/2023 23:00	3	283	3	3.3	0	20.3	66
06/07/2023 23:10	2.9	279	3	3.3	0	20.2	67
06/07/2023 23:20	2.9	285	3	3.4	0	20.3	68
06/07/2023 23:30	3	284	3	3.4	0	20.3	68
06/07/2023 23:40	2.7	277	3	3.3	0	20	69
06/07/2023 23:50	2.5	278	3	2.7	0	19.6	70
06/08/2023 00:00	2.7	272	3	3	0	19.7	71
06/08/2023 00:10	3	274	4	3.2	0	19.7	72
06/08/2023 00:20	2.9	275	3	3.1	0	19.8	73
06/08/2023 00:30	2.8	271	3	3	0	19.7	73



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/08/2023 00:40	2.6	270	4	2.8	0	19.5	73
06/08/2023 00:50	2.4	281	5	2.9	0	19.5	73
06/08/2023 01:00	2.4	276	4	2.9	0	19.7	73
06/08/2023 01:10	2.3	273	4	2.8	0	19.5	73
06/08/2023 01:20	2.3	279	5	2.7	0	19.5	74
06/08/2023 01:30	2.3	279	4	2.7	0	19.4	74
06/08/2023 01:40	1.8	274	15	2.5	0	19.1	75
06/08/2023 01:50	0.8	208	44	1.7	0	18.9	75
06/08/2023 02:00	0.5	267	45	1	0	18.9	75
06/08/2023 02:10	0.6	149	41	1.1	0	18.6	76
06/08/2023 02:20	1.1	58	14	1.5	0	17.9	76
06/08/2023 02:30	0.9	44	24	1.3	0	17.6	77
06/08/2023 02:40	0.7	26	27	1.6	0	17.6	76
06/08/2023 02:50	1.2	101	49	2	0	17.2	76
06/08/2023 03:00	1.3	94	46	2	0	17.4	76
06/08/2023 03:10	0.9	155	77	2	0	17.4	76
06/08/2023 03:20	1.1	129	61	1.8	0	17.7	76
06/08/2023 03:30	0.9	90	58	2.4	0	17.7	76
06/08/2023 03:40	2.4	139	22	3.6	0	18.3	75
06/08/2023 03:50	2	95	22	3.3	0	17.3	76
06/08/2023 04:00	2	111	16	3	0	17.7	76
06/08/2023 04:10	2	64	12	2.7	0	17.4	76
06/08/2023 04:20	1.7	53	16	2.8	0	17.3	75
06/08/2023 04:30	1.6	63	17	2.3	0	17.3	75
06/08/2023 04:40	1.8	54	10	2.7	0	17.5	75
06/08/2023 04:50	1.8	73	7	2.3	0	17.7	76
06/08/2023 05:00	2.4	64	7	3	0	17.5	76
06/08/2023 05:10	2	93	10	2.6	0	17.1	76
06/08/2023 05:20	2	108	11	2.8	0	17.1	76
06/08/2023 05:30	2	98	13	2.8	0	16.9	76
06/08/2023 05:40	2	99	15	2.8	0	16.9	76
06/08/2023 05:50	1.6	84	14	2.5	0	16.8	76
06/08/2023 06:00	2.2	100	12	3.4	0	16.6	76
06/08/2023 06:10	2.6	105	12	3.8	0	16.8	75
06/08/2023 06:20	2.3	104	11	3.6	0	16.6	74
06/08/2023 06:30	1.8	86	11	2.4	0	16.3	74
06/08/2023 06:40	2.4	94	8	3.3	0	16.5	74
06/08/2023 06:50	2.8	91	9	4.5	0	16.7	73
06/08/2023 07:00	3.7	98	8	5.2	0	17.3	69
06/08/2023 07:10	2.6	97	6	3.4	0	17.6	68
06/08/2023 07:20	2.3	81	11	3.7	0	17.7	66
06/08/2023 07:30	2.4	100	11	3.6	0	18.7	60
06/08/2023 07:40	2.2	100	11	3.2	0	18.9	59
06/08/2023 07:50	2.6	92	12	3.6	0	18.6	61
06/08/2023 08:00	2.3	80	12	3.2	0	18.7	62
06/08/2023 08:10	2	94	11	2.9	0	19.4	57
06/08/2023 08:20	2	95	12	2.9	0	19.7	55
06/08/2023 08:30	2.5	90	13	4.1	0	19.9	56



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/08/2023 08:40	3.3	96	10	4.7	0	20.8	50
06/08/2023 08:50	4.9	94	10	7.4	0	21.3	45
06/08/2023 09:00	5.8	96	8	7.6	0	21.3	44
06/08/2023 09:10	4.2	105	12	6.1	0	21.6	45
06/08/2023 09:20	4.1	101	13	6.4	0	21.8	45
06/08/2023 09:30	4.1	113	13	6	0	22	45
06/08/2023 09:40	3.8	112	13	5.8	0	22.1	46
06/08/2023 09:50	4.5	108	12	6.3	0	22.4	45
06/08/2023 10:00	5.5	100	9	7.5	0	22.7	41
06/08/2023 10:10	5.2	104	10	7.3	0	22.8	41
06/08/2023 10:20	5.1	100	11	7.4	0	23.2	42
06/08/2023 10:30	6.1	90	9	8.1	0	23.1	43
06/08/2023 10:40	6.3	87	8	8.4	0	23.1	43
06/08/2023 10:50	5.8	87	9	8.2	0	23.3	44
06/08/2023 11:00	5.7	82	10	8.1	0	23.3	44
06/08/2023 11:10	6.1	88	8	8.4	0	23.4	45
06/08/2023 11:20	6.3	89	8	8.2	0	23.4	44
06/08/2023 11:30	6.3	87	7	8.5	0	23.5	44
06/08/2023 11:40	6.2	90	8	8.9	0	23.8	43
06/08/2023 11:50	6.4	89	7	8.6	0	23.8	43
06/08/2023 12:00	6.5	83	7	9.4	0	23.8	43
06/08/2023 12:10	5.9	76	9	8.3	0	24	44
06/08/2023 12:20	6.7	72	5	9.5	0	23.5	45
06/08/2023 12:30	5.8	77	11	8	0	23.9	44
06/08/2023 12:40	5.5	78	9	7.9	0	24.4	43
06/08/2023 12:50	5.9	75	11	7.9	0	24.5	42
06/08/2023 13:00	5.2	73	12	8	0	25	41
06/08/2023 13:10	5.4	70	11	7.1	0	25.1	42
06/08/2023 13:20	5.3	75	11	7.8	0	25.1	40
06/08/2023 13:30	5.3	75	10	7.4	0	25.4	40
06/08/2023 13:40	5.8	60	11	7.7	0	25.1	40
06/08/2023 13:50	5.7	56	8	8	0	25.1	40
06/08/2023 14:00	5.8	58	8	7.6	0	25.4	40
06/08/2023 14:10	5.9	59	8	7.7	0	25.2	42
06/08/2023 14:20	5.6	60	8	7.5	0	25	43
06/08/2023 14:30	5.6	59	9	8.3	0	25.1	42
06/08/2023 14:40	5.3	58	10	7.7	0	25.4	42
06/08/2023 14:50	5	53	9	6.9	0	25.2	44
06/08/2023 15:00	5.2	55	11	7.1	0	25.2	43
06/08/2023 15:10	5.1	53	9	7	0	25.3	43
06/08/2023 15:20	5.6	55	7	7.7	0	25.2	43
06/08/2023 15:30	5.5	53	6	7	0	25.2	41
06/08/2023 15:40	5.3	57	10	6.9	0	25.3	41
06/08/2023 15:50	5.6	59	7	7.2	0	25.3	40
06/08/2023 16:00	5.3	57	7	6.7	0	25.3	40
06/08/2023 16:10	5.1	59	7	6.5	0	25.3	40
06/08/2023 16:20	4.3	58	9	5.8	0	25.6	40
06/08/2023 16:30	4.4	51	7	5.9	0	25.3	41



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/08/2023 16:40	4.9	52	6	6.4	0	25.2	39
06/08/2023 16:50	4.6	53	7	6.4	0	25.3	36
06/08/2023 17:00	4.6	55	6	6	0	25.4	33
06/08/2023 17:10	3.5	51	7	4.9	0	25.5	31
06/08/2023 17:20	2.9	52	7	4.2	0	25.1	30
06/08/2023 17:30	2.4	52	6	3.4	0	24.7	30
06/08/2023 17:40	2.3	48	4	2.8	0	24.2	31
06/08/2023 17:50	2	44	4	2.2	0	24.1	30
06/08/2023 18:00	1.7	23	7	2.3	0	24.1	30
06/08/2023 18:10	2.1	12	6	2.7	0	24.1	37
06/08/2023 18:20	3.2	6	6	4.1	0	23.9	41
06/08/2023 18:30	3.4	7	5	4.3	0	23.8	44
06/08/2023 18:40	3.3	3	5	4.3	0	23.6	45
06/08/2023 18:50	2.7	5	6	3.5	0	23.4	47
06/08/2023 19:00	1.1	129	45	1.9	0	23	47
06/08/2023 19:10	1	239	35	1.7	0	22.9	47
06/08/2023 19:20	1.4	258	10	2.2	0	23	48
06/08/2023 19:30	1.4	269	9	1.7	0	22.5	51
06/08/2023 19:40	0.9	266	16	1.3	0	22.1	56
06/08/2023 19:50	0.9	308	13	1.3	0	22.6	53
06/08/2023 20:00	0.9	261	25	1.4	0	22.3	54
06/08/2023 20:10	1	278	8	1.4	0	21.4	57
06/08/2023 20:20	0.6	322	22	0.9	0	21.5	58
06/08/2023 20:30	0.3	120	44	0.5	0	21.4	58
06/08/2023 20:40	0.6	166	15	1.1	0	20.9	59
06/08/2023 20:50	0.7	223	17	1.1	0	20.9	63
06/08/2023 21:00	1.3	255	9	1.9	0	21	64
06/08/2023 21:10	2.5	251	9	3.7	0	21.1	65
06/08/2023 21:20	1.3	264	16	2.6	0	20.8	66
06/08/2023 21:30	1.8	274	7	2.6	0	20.3	69
06/08/2023 21:40	1.6	280	10	2.3	0	20.5	69
06/08/2023 21:50	1.8	264	10	2.6	0	20.5	69
06/08/2023 22:00	1.3	271	13	2.5	0	20.2	70
06/08/2023 22:10	1.8	246	18	3.4	0	20.2	71
06/08/2023 22:20	1.3	254	18	2.5	0	20.4	69
06/08/2023 22:30	1.9	261	17	3.3	0	20.1	69
06/08/2023 22:40	1.7	255	13	2.7	0	20.3	68
06/08/2023 22:50	1.6	252	11	2.5	0	20.5	66
06/08/2023 23:00	1.9	274	8	2.8	0	20.4	64
06/08/2023 23:10	1.6	268	14	2.5	0	20.4	63
06/08/2023 23:20	1.7	280	12	2.5	0	20.5	62
06/08/2023 23:30	1.5	279	13	2.5	0	20.6	59
06/08/2023 23:40	1.1	249	33	2.2	0	20.6	58
06/08/2023 23:50	0.5	270	52	1.2	0	21	55
06/09/2023 00:00	0.6	343	25	1.1	0	20.2	58
06/09/2023 00:10	0.4	281	34	0.9	0	20.1	57
06/09/2023 00:20	0.4	188	55	0.8	0	20.1	57
06/09/2023 00:30	0.4	203	24	0.7	0	20.4	55



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/09/2023 00:40	0.5	339	27	1	0	20.8	52
06/09/2023 00:50	0.6	318	69	1.3	0	20.7	51
06/09/2023 01:00	0.9	106	60	1.9	0	20.7	50
06/09/2023 01:10	1.9	217	20	3.3	0	21.5	47
06/09/2023 01:20	1.3	301	19	2.2	0	21	49
06/09/2023 01:30	1.6	253	21	2.5	0	21	47
06/09/2023 01:40	0.9	133	51	1.8	0	21	47
06/09/2023 01:50	0.7	267	49	1.3	0	20.6	48
06/09/2023 02:00	0.8	220	62	1.6	0	20.4	48
06/09/2023 02:10	0.8	265	72	2	0	20.4	48
06/09/2023 02:20	1.1	211	33	2.3	0	20.7	46
06/09/2023 02:30	1.1	206	47	2.2	0	20.9	44
06/09/2023 02:40	1.6	178	38	3.4	0	21.5	42
06/09/2023 02:50	2.4	145	24	4.4	0	20.6	45
06/09/2023 03:00	1.8	71	22	2.9	0	19.6	51
06/09/2023 03:10	2	55	11	2.9	0	19.1	53
06/09/2023 03:20	2	91	22	3.2	0	18.8	55
06/09/2023 03:30	1.4	65	39	2.4	0	18.6	57
06/09/2023 03:40	1.2	187	39	1.7	0	18.6	59
06/09/2023 03:50	1	48	47	2.1	0	18.5	56
06/09/2023 04:00	1.7	139	52	4	0	19.2	50
06/09/2023 04:10	2.4	128	19	3.8	0	20.1	44
06/09/2023 04:20	1.9	112	24	3.1	0	20	45
06/09/2023 04:30	2.5	107	17	4.8	0	20	46
06/09/2023 04:40	3.2	108	13	4.6	0	20.2	46
06/09/2023 04:50	2.6	111	12	4.4	0	20.1	48
06/09/2023 05:00	2.2	106	14	3.3	0	19.8	49
06/09/2023 05:10	2	118	18	3.4	0	19.5	47
06/09/2023 05:20	1.8	113	14	2.6	0	19.3	46
06/09/2023 05:30	1.8	95	20	2.9	0	18.9	47
06/09/2023 05:40	1.8	89	22	3	0	18.3	49
06/09/2023 05:50	1	71	24	1.7	0	18.1	50
06/09/2023 06:00	1.3	66	23	1.9	0	18	49
06/09/2023 06:10	1.8	80	15	2.5	0	18.5	46
06/09/2023 06:20	2	95	17	3.4	0	18.4	44
06/09/2023 06:30	2	109	18	3.1	0	19	43
06/09/2023 06:40	1.9	122	18	3.6	0	19	43
06/09/2023 06:50	1.9	110	17	2.6	0	18.7	45
06/09/2023 07:00	2.2	108	15	3.5	0	18.6	46
06/09/2023 07:10	2.3	109	16	3.7	0	18.7	47
06/09/2023 07:20	3.3	107	12	4.9	0	19	47
06/09/2023 07:30	3.3	108	13	5	0	19	49
06/09/2023 07:40	2.9	108	15	4.3	0	19.2	50
06/09/2023 07:50	3.4	108	12	4.9	0	19.1	51
06/09/2023 08:00	3.4	107	11	5.6	0	19.2	51
06/09/2023 08:10	3.6	106	12	5	0	19.4	51
06/09/2023 08:20	3.4	109	10	5.1	0	19.6	51
06/09/2023 08:30	3.9	109	10	5.8	0	19.7	51





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/09/2023 08:40	4	111	11	5.7	0	20	51
06/09/2023 08:50	4	108	12	6	0	20.3	50
06/09/2023 09:00	4.4	110	11	6.8	0	20.7	46
06/09/2023 09:10	4.6	107	11	6.9	0	20.9	44
06/09/2023 09:20	4.5	107	10	6.3	0	21.1	43
06/09/2023 09:30	4.4	110	10	6.9	0	21.1	44
06/09/2023 09:40	4.1	109	12	6.3	0	21.4	44
06/09/2023 09:50	4.3	105	12	6.3	0	21.8	45
06/09/2023 10:00	5.1	107	10	7.5	0	22.4	42
06/09/2023 10:10	5	105	10	7.1	0	23.1	39
06/09/2023 10:20	4.6	107	11	7.5	0	23.5	41
06/09/2023 10:30	5.5	103	12	8	0	24.1	36
06/09/2023 10:40	6	98	9	9	0	24.4	37
06/09/2023 10:50	6.8	90	5	8.6	0	24.3	36
06/09/2023 11:00	5.6	93	9	8	0	24.5	36
06/09/2023 11:10	5.9	93	9	8.2	0	24.5	38
06/09/2023 11:20	5.7	89	9	7.9	0	24.7	37
06/09/2023 11:30	5.5	88	10	7.9	0	25	37
06/09/2023 11:40	5.6	90	10	8.3	0	25.1	35
06/09/2023 11:50	5.6	76	9	7.7	0	25.1	36
06/09/2023 12:00	6.1	71	7	8.3	0	24.9	35
06/09/2023 12:10	6.3	80	9	8.4	0	25.1	33
06/09/2023 12:20	5.7	83	9	8	0	25.6	32
06/09/2023 12:30	5.7	79	8	7.7	0	25.4	33
06/09/2023 12:40	5.4	74	9	7.6	0	25.3	33
06/09/2023 12:50	5.2	71	9	7.5	0	25.7	35
06/09/2023 13:00	4.7	64	10	6.4	0	25.9	35
06/09/2023 13:10	4.8	63	10	6.6	0	25.9	36
06/09/2023 13:20	5.1	61	10	7.1	0	25.6	37
06/09/2023 13:30	5.2	53	8	6.9	0	25.7	36
06/09/2023 13:40	4.6	59	9	6.4	0	26	34
06/09/2023 13:50	4.8	66	11	6.7	0	26.4	34
06/09/2023 14:00	4	65	15	5.5	0	26.8	34
06/09/2023 14:10	4.7	53	10	6.8	0	26.3	36
06/09/2023 14:20	5	49	8	6.9	0	25.5	40
06/09/2023 14:30	4.5	56	9	5.7	0	25.6	38
06/09/2023 14:40	4.7	60	10	6.4	0	25.9	38
06/09/2023 14:50	4.7	62	10	6.3	0	26.1	37
06/09/2023 15:00	4.6	60	8	5.9	0	26.1	37
06/09/2023 15:10	4.3	66	9	5.8	0	26.4	35
06/09/2023 15:20	4.2	68	9	5.8	0	26.7	35
06/09/2023 15:30	4.6	70	8	5.7	0	26.7	33
06/09/2023 15:40	4	58	8	5.3	0	26.6	35
06/09/2023 15:50	3.7	57	8	5	0	26.6	34
06/09/2023 16:00	3.3	49	9	4.4	0	26.7	33
06/09/2023 16:10	3.4	50	8	4.5	0	26.4	33
06/09/2023 16:20	3.3	54	7	4.3	0	26.3	33
06/09/2023 16:30	2.8	51	8	4	0	26.3	32



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/09/2023 16:40	2.5	52	7	3.3	0	25.6	34
06/09/2023 16:50	2.4	52	6	3.1	0	25.3	35
06/09/2023 17:00	2.2	43	7	2.9	0	25.2	34
06/09/2023 17:10	2.7	59	7	3.6	0	25.1	33
06/09/2023 17:20	1.9	36	11	2.6	0	24.9	35
06/09/2023 17:30	2.2	42	6	2.7	0	24.6	34
06/09/2023 17:40	1.9	56	9	2.7	0	24.4	35
06/09/2023 17:50	1.5	51	8	2	0	24.1	35
06/09/2023 18:00	0.7	57	20	1.2	0	23.7	36
06/09/2023 18:10	0.3	45	35	0.6	0	23.5	36
06/09/2023 18:20	1.1	24	6	1.7	0	23.7	35
06/09/2023 18:30	2.4	38	4	2.8	0	24	34
06/09/2023 18:40	2.9	45	5	3.4	0	23.9	33
06/09/2023 18:50	2.3	43	4	2.9	0	23.3	35
06/09/2023 19:00	1.7	198	38	2.2	0	23.2	35
06/09/2023 19:10	1.7	255	10	2.3	0	23	37
06/09/2023 19:20	1	251	18	1.8	0	23.5	39
06/09/2023 19:30	0.5	198	44	0.9	0	23.4	42
06/09/2023 19:40	0.5	163	56	0.9	0	23.3	42
06/09/2023 19:50	0.7	18	7	0.8	0	22.8	42
06/09/2023 20:00	0.6	34	9	0.8	0	22.9	41
06/09/2023 20:10	0.9	58	8	1.1	0	23	40
06/09/2023 20:20	0.4	52	32	0.6	0	23.1	39
06/09/2023 20:30	0.4	267	23	0.5	0	23.7	36
06/09/2023 20:40	0.4	239	11	0.6	0	24	35
06/09/2023 20:50	0.6	222	9	0.8	0	23.8	35
06/09/2023 21:00	0.2	239	35	0.3	0	23.3	36
06/09/2023 21:10	0.1	248	47	0.3	0	22.8	37
06/09/2023 21:20	0.5	290	11	0.7	0	22.7	38
06/09/2023 21:30	0.4	251	11	0.6	0	22.7	38
06/09/2023 21:40	0.3	188	18	0.4	0	22.9	38
06/09/2023 21:50	0.9	239	26	2	0	22.8	38
06/09/2023 22:00	3	289	12	3.9	0	23.4	40
06/09/2023 22:10	2	273	10	3	0	23.1	46
06/09/2023 22:20	1.8	271	10	2.6	0	22.6	53
06/09/2023 22:30	1.9	284	6	2.2	0	22.8	54
06/09/2023 22:40	2.2	279	6	2.9	0	22.8	55
06/09/2023 22:50	2.7	273	6	3.2	0	22.5	59
06/09/2023 23:00	2.4	275	5	2.9	0	22.2	61
06/09/2023 23:10	1.9	282	7	2.4	0	22.3	61
06/09/2023 23:20	1.5	290	8	1.9	0	22.6	58
06/09/2023 23:30	1.4	278	10	2	0	22.6	56
06/09/2023 23:40	2.8	269	5	3.4	0	22.1	60
06/09/2023 23:50	3.2	272	4	3.6	0	22	62
06/10/2023 00:00	3.2	269	5	3.9	0	22	60
06/10/2023 00:10	2.3	270	8	3.1	0	22.3	58
06/10/2023 00:20	3.8	279	4	4.8	0	22.4	58
06/10/2023 00:30	3.4	268	8	4.2	0	22.3	58



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/10/2023 00:40	3	266	5	3.6	0	22.2	57
06/10/2023 00:50	3.3	272	6	4.2	0	22.1	55
06/10/2023 01:00	3	266	7	3.9	0	22	54
06/10/2023 01:10	2.9	274	9	4.2	0	21.9	53
06/10/2023 01:20	2.7	274	8	3.5	0	22	52
06/10/2023 01:30	1.4	245	19	2.2	0	22.1	51
06/10/2023 01:40	1.5	261	14	2.7	0	22.1	51
06/10/2023 01:50	2.2	258	18	3.8	0	21.7	52
06/10/2023 02:00	2.8	272	9	4	0	21.6	52
06/10/2023 02:10	2.3	270	8	3.2	0	21.5	52
06/10/2023 02:20	2.7	269	7	3.5	0	21.5	51
06/10/2023 02:30	1.6	253	30	3	0	21.7	50
06/10/2023 02:40	1	271	29	2.1	0	21.6	49
06/10/2023 02:50	1.7	229	24	2.9	0	22.1	47
06/10/2023 03:00	1.4	236	17	2.7	0	22.2	46
06/10/2023 03:10	1.4	281	13	2.2	0	21.7	49
06/10/2023 03:20	1.6	210	23	2.5	0	21.6	50
06/10/2023 03:30	0.7	121	66	1.6	0	21.6	50
06/10/2023 03:40	1.7	189	14	3	0	21.9	49
06/10/2023 03:50	2	190	14	3	0	22.1	48
06/10/2023 04:00	1.7	196	13	2.8	0	21.8	49
06/10/2023 04:10	2	205	19	4	0	22.1	48
06/10/2023 04:20	1.2	225	52	2.4	0	22.2	48
06/10/2023 04:30	2.3	193	15	3.8	0	22.3	46
06/10/2023 04:40	1.9	211	18	3	0	22.2	46
06/10/2023 04:50	1	262	32	2.4	0	21.7	48
06/10/2023 05:00	0.9	250	31	1.7	0	21.5	48
06/10/2023 05:10	1	263	21	1.6	0	21.5	48
06/10/2023 05:20	1.2	218	18	1.7	0	21.6	48
06/10/2023 05:30	1	226	28	1.9	0	21.3	49
06/10/2023 05:40	1.8	194	12	3.1	0	21.2	49
06/10/2023 05:50	0.8	177	60	1.4	0	21	49
06/10/2023 06:00	1.3	243	51	2.3	0	21	48
06/10/2023 06:10	2.4	185	8	3.3	0	21.5	46
06/10/2023 06:20	0.6	163	73	1.7	0	21.1	47
06/10/2023 06:30	1.6	180	13	2.4	0	21.6	45
06/10/2023 06:40	0.9	20	43	1.6	0	20.8	48
06/10/2023 06:50	0.9	57	9	1.3	0	20.4	49
06/10/2023 07:00	1.1	55	7	1.6	0	20.5	48
06/10/2023 07:10	1	40	10	1.4	0	19.9	50
06/10/2023 07:20	1.3	52	15	1.8	0	20	51
06/10/2023 07:30	1.1	14	22	1.7	0	20.1	51
06/10/2023 07:40	1	60	16	1.5	0	20.4	51
06/10/2023 07:50	1.5	63	11	2.1	0	20.9	51
06/10/2023 08:00	2	77	7	2.5	0	21.5	49
06/10/2023 08:10	2.2	88	6	2.6	0	21.8	49
06/10/2023 08:20	2.2	90	7	2.8	0	22.2	49
06/10/2023 08:30	1.5	97	12	2.4	0	22.9	45



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/10/2023 08:40	1.4	95	18	2.1	0	23.9	41
06/10/2023 08:50	1.3	66	21	2.4	0	24	40
06/10/2023 09:00	1.1	139	29	1.9	0	24.6	37
06/10/2023 09:10	1.8	136	30	3.4	0	25.4	35
06/10/2023 09:20	2.1	143	23	3.5	0	25.4	36
06/10/2023 09:30	2.5	139	16	4	0	25.3	37
06/10/2023 09:40	2.3	132	20	3.9	0	25.7	36
06/10/2023 09:50	2.7	113	17	3.8	0	25.3	38
06/10/2023 10:00	2.1	114	22	3.9	0	25.6	40
06/10/2023 10:10	1.9	142	36	3.5	0	25.8	41
06/10/2023 10:20	2.7	103	14	4	0	26.2	39
06/10/2023 10:30	2.6	113	17	4	0	26.3	38
06/10/2023 10:40	2.7	110	18	3.8	0	26.6	34
06/10/2023 10:50	2.8	94	11	3.9	0	26.6	32
06/10/2023 11:00	2.4	107	15	3.7	0	27.1	29
06/10/2023 11:10	2.5	109	17	3.5	0	27.3	28
06/10/2023 11:20	2.8	103	14	4.1	0	27.5	27
06/10/2023 11:30	3.1	94	20	4.3	0	27.4	28
06/10/2023 11:40	3.2	92	15	4.9	0	27.5	29
06/10/2023 11:50	3.3	91	13	5	0	27.5	29
06/10/2023 12:00	3.7	85	9	5.1	0	27.4	30
06/10/2023 12:10	3.7	81	9	5.3	0	27.2	30
06/10/2023 12:20	4.2	83	8	6.1	0	27.3	30
06/10/2023 12:30	4.4	86	10	5.8	0	27.4	29
06/10/2023 12:40	4.4	77	10	6.1	0	27.3	29
06/10/2023 12:50	4.4	78	10	5.8	0	27.5	29
06/10/2023 13:00	5.1	76	6	6.4	0	26.6	32
06/10/2023 13:10	4.6	66	8	6.1	0	26.7	33
06/10/2023 13:20	4.6	61	9	6	0	26.8	33
06/10/2023 13:30	4.2	62	10	5.5	0	26.9	32
06/10/2023 13:40	3.9	57	11	5.5	0	27.1	33
06/10/2023 13:50	3.7	54	9	5.3	0	27.3	32
06/10/2023 14:00	3.5	70	12	4.4	0	27.4	32
06/10/2023 14:10	4	61	10	5.3	0	27.5	35
06/10/2023 14:20	4.2	48	9	5.5	0	26.8	37
06/10/2023 14:30	4.3	45	10	5.8	0	26.6	36
06/10/2023 14:40	4	56	8	5.1	0	26.5	38
06/10/2023 14:50	3.5	49	14	4.7	0	26.8	39
06/10/2023 15:00	3.9	31	9	4.9	0	27	37
06/10/2023 15:10	4.7	56	6	6.1	0	26.7	34
06/10/2023 15:20	4.5	62	7	5.6	0	26.8	36
06/10/2023 15:30	4.2	64	9	5.3	0	27.1	37
06/10/2023 15:40	3.1	45	14	4.5	0	27.3	38
06/10/2023 15:50	2.8	18	16	4.1	0	27.9	35
06/10/2023 16:00	3.1	340	14	4.5	0	28	38
06/10/2023 16:10	3.3	347	14	4.6	0	27.6	38
06/10/2023 16:20	3.8	17	7	5.3	0	27.4	38
06/10/2023 16:30	4	14	7	5.1	0	27.1	40



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/10/2023 16:40	4.6	15	6	5.5	0	26.6	43
06/10/2023 16:50	4.4	14	5	5.5	0	26.3	44
06/10/2023 17:00	4.6	12	6	5.8	0	26	47
06/10/2023 17:10	3.9	7	9	4.9	0	25.7	49
06/10/2023 17:20	3.5	337	8	4.7	0	25.5	47
06/10/2023 17:30	3.9	336	8	5.2	0	25.1	48
06/10/2023 17:40	3.6	315	9	5.2	0	24.7	58
06/10/2023 17:50	3.9	311	9	5.6	0	24.4	61
06/10/2023 18:00	3.4	305	11	5.1	0	24.4	61
06/10/2023 18:10	3.1	302	10	4.9	0	24.2	63
06/10/2023 18:20	3.3	286	8	4.4	0	24.1	61
06/10/2023 18:30	3.2	278	5	4.4	0	23.9	63
06/10/2023 18:40	3.4	275	6	4.3	0	23.7	62
06/10/2023 18:50	3.8	272	6	4.5	0	23.6	63
06/10/2023 19:00	3.9	278	6	4.8	0	23.5	64
06/10/2023 19:10	4.1	279	6	5.2	0	23.4	66
06/10/2023 19:20	3.8	272	5	4.7	0	23.3	67
06/10/2023 19:30	4.1	276	4	5	0	23.1	69
06/10/2023 19:40	4	278	4	4.8	0	23	71
06/10/2023 19:50	3.5	277	5	4.4	0	22.9	72
06/10/2023 20:00	3.3	270	4	4.1	0	22.9	73
06/10/2023 20:10	3.3	271	3	3.9	0	22.7	73
06/10/2023 20:20	3.1	267	4	3.8	0	22.5	74
06/10/2023 20:30	3.1	268	4	3.9	0	22.3	74
06/10/2023 20:40	3.6	274	3	4.6	0	22.1	73
06/10/2023 20:50	3.2	266	5	3.9	0	22.1	73
06/10/2023 21:00	3.1	268	4	3.7	0	22	73
06/10/2023 21:10	3	262	5	3.9	0	21.8	73
06/10/2023 21:20	3.1	274	6	3.8	0	21.7	71
06/10/2023 21:30	3.2	280	6	4.1	0	21.9	68
06/10/2023 21:40	3.3	273	5	4.1	0	21.9	64
06/10/2023 21:50	3.2	276	5	4	0	22	61
06/10/2023 22:00	3.3	283	6	4	0	22	61
06/10/2023 22:10	3.1	285	6	3.8	0	22.3	59
06/10/2023 22:20	2.8	277	6	3.5	0	22.1	58
06/10/2023 22:30	2.9	277	5	3.6	0	22.1	57
06/10/2023 22:40	2.8	283	5	3.5	0	22.2	56
06/10/2023 22:50	3	286	5	3.8	0	22.3	56
06/10/2023 23:00	2.4	280	5	3.3	0	22.1	58
06/10/2023 23:10	2.7	271	4	3.2	0	21.4	63
06/10/2023 23:20	2.6	282	5	3.4	0	20.9	67
06/10/2023 23:30	2.8	274	6	3.4	0	21.2	63
06/10/2023 23:40	2.9	274	6	3.4	0	21.3	61
06/10/2023 23:50	2.8	276	5	3.4	0	21.4	62
06/11/2023 00:00	2.8	272	4	3.3	0	21	63
06/11/2023 00:10	2.7	263	4	3.4	0	20.8	64
06/11/2023 00:20	3	266	5	3.5	0	20.6	65
06/11/2023 00:30	3.6	273	4	4.4	0	20.9	60



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/11/2023 00:40	3.6	278	6	4.6	0	21.3	57
06/11/2023 00:50	3.7	273	5	4.4	0	21.3	58
06/11/2023 01:00	3.8	275	4	4.6	0	21.3	57
06/11/2023 01:10	3.2	279	5	4	0	21.2	57
06/11/2023 01:20	3.1	276	6	3.9	0	21.3	55
06/11/2023 01:30	3.5	275	5	4.2	0	21.1	55
06/11/2023 01:40	3.4	279	6	4.3	0	21.1	55
06/11/2023 01:50	3.7	276	4	4.7	0	21	56
06/11/2023 02:00	3.8	268	6	4.8	0	21.1	55
06/11/2023 02:10	3.6	267	5	4.4	0	21	54
06/11/2023 02:20	4	261	7	5.4	0	21.1	53
06/11/2023 02:30	3.9	262	9	5	0	21	53
06/11/2023 02:40	4.1	265	7	5.4	0	20.9	54
06/11/2023 02:50	4	260	8	5	0	20.9	55
06/11/2023 03:00	4.3	259	8	6	0	20.8	56
06/11/2023 03:10	4.1	264	10	5.7	0	20.8	56
06/11/2023 03:20	3.7	265	10	4.9	0	20.6	57
06/11/2023 03:30	4.1	271	8	5.2	0	20.5	57
06/11/2023 03:40	4.2	272	4	4.9	0	20.5	57
06/11/2023 03:50	4	270	4	4.7	0	20.3	58
06/11/2023 04:00	3.7	268	7	5	0	20.2	58
06/11/2023 04:10	3.3	266	11	5.2	0	20.3	57
06/11/2023 04:20	3.5	261	9	5	0	20.6	55
06/11/2023 04:30	3.8	261	9	5.7	0	20.8	53
06/11/2023 04:40	3.5	260	9	4.8	0	20.9	51
06/11/2023 04:50	3.3	263	8	4.4	0	20.7	52
06/11/2023 05:00	3.3	268	7	4.5	0	20.3	53
06/11/2023 05:10	2.7	257	15	4.4	0	20.4	53
06/11/2023 05:20	0.9	229	29	1.7	0	20.4	53
06/11/2023 05:30	1.9	231	20	3.3	0	20.7	52
06/11/2023 05:40	1.6	244	37	2.8	0	20.7	51
06/11/2023 05:50	1.3	243	25	2.1	0	20.5	52
06/11/2023 06:00	1.1	210	25	1.9	0	20.8	51
06/11/2023 06:10	1.4	283	14	2.2	0	20.4	52
06/11/2023 06:20	1.5	278	8	2.1	0	20.5	52
06/11/2023 06:30	1.3	278	9	2	0	20.6	51
06/11/2023 06:40	0.6	195	45	1.1	0	19.9	53
06/11/2023 06:50	0.6	329	28	0.9	0	19.7	54
06/11/2023 07:00	1.1	290	12	1.7	0	20.1	52
06/11/2023 07:10	0.8	10	38	1.2	0	19.7	53
06/11/2023 07:20	1.3	41	10	1.6	0	19.6	54
06/11/2023 07:30	1.2	53	6	1.5	0	19.8	53
06/11/2023 07:40	1.3	51	7	1.5	0	20.4	52
06/11/2023 07:50	1	73	14	1.4	0	21.2	50
06/11/2023 08:00	0.9	64	14	1.2	0	22.1	48
06/11/2023 08:10	1	63	15	1.4	0	22.8	47
06/11/2023 08:20	1	136	54	2.2	0	23.1	47
06/11/2023 08:30	2	172	15	2.7	0	23.4	44



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/11/2023 08:40	1.7	169	21	2.8	0	23.4	44
06/11/2023 08:50	1.9	156	20	3.2	0	23.9	44
06/11/2023 09:00	2.6	182	12	3.6	0	24.2	43
06/11/2023 09:10	1.8	189	12	2.8	0	24.3	41
06/11/2023 09:20	1.8	206	12	2.4	0	24.8	39
06/11/2023 09:30	2	210	17	3	0	25.3	38
06/11/2023 09:40	2.2	214	18	3.9	0	25.7	37
06/11/2023 09:50	2.9	221	17	4.2	0	26	34
06/11/2023 10:00	2.8	227	14	4.2	0	26.3	33
06/11/2023 10:10	2.9	239	15	4.8	0	26.4	33
06/11/2023 10:20	3.3	244	18	5.2	0	26.7	33
06/11/2023 10:30	3.3	249	16	4.7	0	27.2	31
06/11/2023 10:40	3.9	259	11	5.1	0	26.9	32
06/11/2023 10:50	3.5	260	14	5.2	0	27.2	33
06/11/2023 11:00	3.6	262	12	5.1	0	27.5	33
06/11/2023 11:10	3.5	240	18	5.2	0	27.4	33
06/11/2023 11:20	3.5	261	12	5.1	0	28	32
06/11/2023 11:30	3.2	265	11	4.5	0	28.2	33
06/11/2023 11:40	3.8	276	14	5.1	0	28.4	33
06/11/2023 11:50	4.3	275	12	5.9	0	28.6	34
06/11/2023 12:00	4.9	271	9	7	0	28.5	33
06/11/2023 12:10	4.7	263	10	6	0	28.5	34
06/11/2023 12:20	4.9	263	10	6.6	0	28.6	36
06/11/2023 12:30	5.1	272	9	6.7	0	28.7	34
06/11/2023 12:40	6.2	279	6	7.4	0	28	30
06/11/2023 12:50	5.5	279	7	7.3	0	28.3	30
06/11/2023 13:00	5.1	264	10	6.8	0	28.6	31
06/11/2023 13:10	5.4	263	8	7	0	28.7	32
06/11/2023 13:20	5.2	270	9	6.8	0	28.6	33
06/11/2023 13:30	5.1	276	8	6.4	0	28.1	36
06/11/2023 13:40	5	274	8	6.5	0	28	36
06/11/2023 13:50	5.1	279	8	6.6	0	27.7	38
06/11/2023 14:00	5.3	274	9	6.7	0	27.7	37
06/11/2023 14:10	5.4	277	7	6.8	0	27.5	36
06/11/2023 14:20	5.1	280	8	7.5	0	27.6	34
06/11/2023 14:30	5.2	283	7	6.7	0	27.7	33
06/11/2023 14:40	5.9	279	7	7.6	0	27.1	37
06/11/2023 14:50	5.6	277	8	7.2	0	27	40
06/11/2023 15:00	4.9	278	10	6.7	0	27.3	40
06/11/2023 15:10	6	274	6	7.6	0	26.9	39
06/11/2023 15:20	5.8	268	6	7.3	0	26.8	37
06/11/2023 15:30	5.5	270	8	6.8	0	27	36
06/11/2023 15:40	5.7	278	4	7	0	27	35
06/11/2023 15:50	5.3	272	6	6.5	0	27	33
06/11/2023 16:00	4.2	275	9	5.7	0	27.7	33
06/11/2023 16:10	4.9	272	8	6.2	0	27.6	36
06/11/2023 16:20	4.2	275	8	5.5	0	27.1	40
06/11/2023 16:30	3.9	275	8	5.6	0	27.2	39



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/11/2023 16:40	5.1	269	7	6.5	0	26.6	43
06/11/2023 16:50	5.2	276	6	6.4	0	25.6	53
06/11/2023 17:00	4.8	271	6	6.6	0	24.9	58
06/11/2023 17:10	3.5	277	9	4.7	0	24.8	57
06/11/2023 17:20	2.9	261	10	4.2	0	24.6	57
06/11/2023 17:30	3.4	251	5	4.3	0	24.1	61
06/11/2023 17:40	3.7	252	4	4.7	0	23.7	63
06/11/2023 17:50	3	276	13	4.5	0	23.6	60
06/11/2023 18:00	3.8	284	11	5.9	0	24.1	52
06/11/2023 18:10	4	287	7	5.4	0	24	52
06/11/2023 18:20	3.3	285	9	5.1	0	23.9	52
06/11/2023 18:30	2.7	280	9	4.1	0	23.6	56
06/11/2023 18:40	3.1	281	8	4.6	0	23.4	57
06/11/2023 18:50	3.1	261	6	4	0	23.2	63
06/11/2023 19:00	2.2	265	9	3	0	22.7	67
06/11/2023 19:10	2.4	270	9	3.6	0	22.6	64
06/11/2023 19:20	2	264	9	2.9	0	22.7	63
06/11/2023 19:30	2.1	265	8	2.8	0	22.6	63
06/11/2023 19:40	2.5	270	7	3.7	0	22.6	63
06/11/2023 19:50	2.8	281	8	3.8	0	22.6	63
06/11/2023 20:00	3.6	282	6	4.9	0	22.6	61
06/11/2023 20:10	3.9	287	7	5.6	0	22.8	58
06/11/2023 20:20	3.5	290	7	5.1	0	23	59
06/11/2023 20:30	3.9	289	7	5.4	0	22.9	61
06/11/2023 20:40	4.3	294	7	5.7	0	23	60
06/11/2023 20:50	3.8	289	8	4.9	0	23	61
06/11/2023 21:00	3.6	284	7	5	0	22.6	64
06/11/2023 21:10	3.9	288	8	5.4	0	22.6	64
06/11/2023 21:20	4.3	293	6	5.8	0	22.8	64
06/11/2023 21:30	4.3	291	6	6	0	22.7	65
06/11/2023 21:40	4.8	295	6	6.2	0	22.7	65
06/11/2023 21:50	4.7	296	6	5.8	0	22.7	66
06/11/2023 22:00	3.8	289	6	5.4	0	22.4	68
06/11/2023 22:10	4.2	285	6	5.8	0	22.2	70
06/11/2023 22:20	3.5	283	7	4.5	0	22.1	71
06/11/2023 22:30	3.5	283	6	4.7	0	22	73
06/11/2023 22:40	3.7	283	6	4.6	0	22	74
06/11/2023 22:50	3.5	277	5	5.2	0	21.8	75
06/11/2023 23:00	3.3	272	4	4.1	0	21.4	75
06/11/2023 23:10	3.1	263	3	3.5	0	21	75
06/11/2023 23:20	3.4	265	3	4	0	20.7	75
06/11/2023 23:30	3.5	267	2	3.8	0	20.4	74
06/11/2023 23:40	3.7	269	2	4.4	0	20.2	74
06/11/2023 23:50	3.5	273	3	3.8	0	20.1	74
06/12/2023 00:00	3.5	275	4	4.2	0	20	74
06/12/2023 00:10	3.7	276	4	4.9	0	19.9	74
06/12/2023 00:20	4	275	5	5.3	0	20.1	74
06/12/2023 00:30	3.5	279	5	4.5	0	19.9	73





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/12/2023 00:40	3.7	279	5	4.5	0	20	71
06/12/2023 00:50	4	278	5	4.9	0	19.8	70
06/12/2023 01:00	4.2	275	4	4.9	0	19.8	68
06/12/2023 01:10	3.9	272	4	4.7	0	19.5	65
06/12/2023 01:20	4.1	273	5	5.2	0	19.8	60
06/12/2023 01:30	3.7	269	6	4.9	0	19.7	59
06/12/2023 01:40	4.4	275	5	5.4	0	20	55
06/12/2023 01:50	4.1	272	4	5.2	0	20.1	52
06/12/2023 02:00	4.4	276	4	5.1	0	20	50
06/12/2023 02:10	4.5	274	6	5.7	0	20.3	46
06/12/2023 02:20	4.7	280	7	6.1	0	20.6	43
06/12/2023 02:30	3	269	18	5	0	20.7	43
06/12/2023 02:40	1.9	253	20	3.7	0	20.2	45
06/12/2023 02:50	1.9	261	11	2.7	0	19.6	47
06/12/2023 03:00	1.4	245	25	2.4	0	19.4	48
06/12/2023 03:10	1.4	239	24	2.5	0	19.4	48
06/12/2023 03:20	1.3	246	28	2.8	0	19.6	47
06/12/2023 03:30	3	244	25	4.9	0	20.5	43
06/12/2023 03:40	2.7	219	18	4.7	0	21	40
06/12/2023 03:50	2.6	208	13	4.1	0	20.7	40
06/12/2023 04:00	3.3	210	10	4.9	0	20.9	39
06/12/2023 04:10	3.5	203	11	5.6	0	20.9	38
06/12/2023 04:20	4.2	198	11	6.6	0	21.1	36
06/12/2023 04:30	4.6	195	10	7.3	0	21	37
06/12/2023 04:40	4.6	194	9	6.9	0	20.8	37
06/12/2023 04:50	4.6	194	9	6.5	0	20.6	38
06/12/2023 05:00	4.8	191	9	6.8	0	20.6	37
06/12/2023 05:10	4.4	187	12	6.9	0	20.4	37
06/12/2023 05:20	4.4	188	12	7.3	0	20.4	37
06/12/2023 05:30							
06/12/2023 05:40							
06/12/2023 05:50							
06/12/2023 06:00							
06/12/2023 06:10							
06/12/2023 06:20							
06/12/2023 06:30							
06/12/2023 06:40							
06/12/2023 06:50							
06/12/2023 07:00							
06/12/2023 07:10							
06/12/2023 07:20							
06/12/2023 07:30							
06/12/2023 07:40	2.4	122	20	4.6	0	20.9	34
06/12/2023 07:50	2.8	105	15	4.2	0	20.6	35
06/12/2023 08:00	3.2	101	13	4.9	0	20.3	39
06/12/2023 08:10	3.4	94	11	4.7	0	20.7	40
06/12/2023 08:20	3.1	95	9	4.1	0	20.7	43
06/12/2023 08:30	3.3	100	9	4.9	0	21.1	44



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/12/2023 08:40	3.9	106	9	5.3	0	21.6	42
06/12/2023 08:50	3.9	110	11	5.4	0	21.6	42
06/12/2023 09:00	3.7	106	11	5.2	0	21.6	44
06/12/2023 09:10	4.1	100	10	6.1	0	22.1	43
06/12/2023 09:20	5	91	9	6.7	0	22.3	40
06/12/2023 09:30	4.6	94	8	6.4	0	22.5	41
06/12/2023 09:40	5	97	9	6.8	0	22.9	42
06/12/2023 09:50	5.4	95	8	6.9	0	23.5	43
06/12/2023 10:00	6	91	10	7.9	0	24.1	40
06/12/2023 10:10	6.7	87	7	9.2	0	24.1	37
06/12/2023 10:20	6.5	84	8	8.6	0	24.1	36
06/12/2023 10:30	6.5	87	6	8.6	0	24.5	36
06/12/2023 10:40	6.3	93	6	8.8	0	24.5	37
06/12/2023 10:50	6.3	91	7	8.2	0	24.4	39
06/12/2023 11:00	5.6	90	7	7.8	0	24.6	37
06/12/2023 11:10	4.8	86	9	6.8	0	25	36
06/12/2023 11:20	4.9	88	9	6.9	0	25.6	33
06/12/2023 11:30	4.9	90	11	6.6	0	25.7	37
06/12/2023 11:40	4.9	83	10	6.6	0	25.7	38
06/12/2023 11:50	4.7	78	9	6.7	0	26	36
06/12/2023 12:00	5.3	79	8	7.1	0	26.1	35
06/12/2023 12:10	5	74	8	7	0	26.3	33
06/12/2023 12:20	5.5	74	7	7.6	0	26.5	31
06/12/2023 12:30	5.6	77	8	7	0	26.6	31
06/12/2023 12:40	5.8	78	7	7.8	0	26.8	30
06/12/2023 12:50	5.6	80	8	8.2	0	27.1	30
06/12/2023 13:00	5.6	80	9	7.9	0	27.5	29
06/12/2023 13:10	6.2	80	8	8.4	0	27.4	29
06/12/2023 13:20	6	78	7	8.1	0	27.5	29
06/12/2023 13:30	5.8	73	11	8	0	27.7	31
06/12/2023 13:40	5.3	52	11	7	0	27.2	37
06/12/2023 13:50	5.1	53	7	7.4	0	27.4	37
06/12/2023 14:00	5.4	55	11	7.4	0	27.1	36
06/12/2023 14:10	5.1	53	9	6.6	0	27.1	37
06/12/2023 14:20	5.5	58	8	7.3	0	27.2	36
06/12/2023 14:30	5.4	58	10	7.5	0	27	37
06/12/2023 14:40	5.5	53	9	7.2	0	26.9	38
06/12/2023 14:50	5.7	58	8	7.6	0	27.1	36
06/12/2023 15:00	5.7	63	7	7.4	0	27.2	34
06/12/2023 15:10	5.3	62	9	7.5	0	27.3	35
06/12/2023 15:20	5.1	63	9	6.7	0	27.4	35
06/12/2023 15:30	4.9	60	10	7.1	0	27.4	34
06/12/2023 15:40	4.9	61	8	7.6	0	27.4	34
06/12/2023 15:50	5.4	58	7	7.2	0	27.3	33
06/12/2023 16:00	5.2	59	7	6.9	0	27.3	31
06/12/2023 16:10	5.1	58	7	6.8	0	27.4	30
06/12/2023 16:20	5	60	7	6.7	0	27.3	29
06/12/2023 16:30	5	60	7	6.7	0	27.3	29



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/12/2023 16:40	4.8	62	6	6.2	0	27.3	29
06/12/2023 16:50	4.4	58	7	6.1	0	27.2	29
06/12/2023 17:00	3.9	60	7	5.3	0	27.1	28
06/12/2023 17:10	2.7	53	10	3.8	0	27	30
06/12/2023 17:20	1.9	39	12	3.1	0	26.3	33
06/12/2023 17:30	1.4	59	9	2.1	0	25.7	35
06/12/2023 17:40	1.8	192	20	2.9	0	25.4	36
06/12/2023 17:50	2.9	2	8	4.1	0	25.1	43
06/12/2023 18:00	2.6	175	9	3.8	0	24.7	48
06/12/2023 18:10	2.7	351	9	3.6	0	24.4	52
06/12/2023 18:20	2.6	351	9	3.6	0	24.3	53
06/12/2023 18:30	2.7	336	7	3.5	0	24.2	55
06/12/2023 18:40	1.9	281	24	3.2	0	24	55
06/12/2023 18:50	2.2	284	11	2.8	0	23.4	62
06/12/2023 19:00	1.4	291	28	2.5	0	23.2	65
06/12/2023 19:10	2.2	268	8	2.7	0	22.8	67
06/12/2023 19:20	2.2	285	8	2.9	0	22.8	67
06/12/2023 19:30	2.2	272	9	2.6	0	22.4	67
06/12/2023 19:40	2	277	5	2.4	0	22.3	67
06/12/2023 19:50	2.2	281	4	2.5	0	22.3	67
06/12/2023 20:00	1.9	283	8	2.4	0	22.6	67
06/12/2023 20:10	2.6	283	10	3.2	0	22.3	69
06/12/2023 20:20	2.9	273	7	3.4	0	21.7	71
06/12/2023 20:30	2.8	280	6	3.4	0	21.5	72
06/12/2023 20:40	2.9	280	7	3.5	0	21.2	73
06/12/2023 20:50	2.9	272	3	3.3	0	21	73
06/12/2023 21:00	2.6	269	5	3.4	0	20.8	73
06/12/2023 21:10	3.2	275	5	3.8	0	20.8	73
06/12/2023 21:20	3.1	279	5	3.5	0	20.9	73
06/12/2023 21:30	2.9	273	3	3.5	0	20.9	72
06/12/2023 21:40	2.6	274	5	3.4	0	20.7	72
06/12/2023 21:50	3	275	3	3.4	0	20.6	73
06/12/2023 22:00	2.5	277	5	3	0	20.7	72
06/12/2023 22:10	2.2	275	5	2.7	0	20.6	71
06/12/2023 22:20	1	278	25	2	0	20.1	71
06/12/2023 22:30	0.6	213	47	1.4	0	20.1	72
06/12/2023 22:40	0.6	235	30	1.3	0	20.4	71
06/12/2023 22:50	0.7	244	21	1.2	0	20.4	71
06/12/2023 23:00	0.6	281	36	1.4	0	20.4	70
06/12/2023 23:10	0.7	257	27	1.1	0	20.2	70
06/12/2023 23:20	0.6	270	19	1	0	20.2	70
06/12/2023 23:30	0.6	258	21	1	0	19.9	69
06/12/2023 23:40	0.8	272	18	1.3	0	19.8	68
06/12/2023 23:50	1	279	12	1.4	0	19.8	66
13/06/2023 00:00	0.6	296	48	1.2	0	19.8	65
13/06/2023 00:10	0.5	264	52	0.8	0	19.7	64
13/06/2023 00:20	0.9	255	14	1.1	0	20.1	63
13/06/2023 00:30	0.5	216	49	0.9	0	19.8	63



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/06/2023 00:40	0.4	99	63	0.9	0	19.1	65
13/06/2023 00:50	0.6	70	52	1.1	0	19	66
13/06/2023 01:00	1.2	59	11	1.7	0	18.9	66
13/06/2023 01:10	1.5	69	10	1.9	0	18.7	67
13/06/2023 01:20	1.3	47	18	1.6	0	19.3	66
13/06/2023 01:30	0.9	57	54	1.7	0	19.1	67
13/06/2023 01:40	1.2	158	73	2.2	0	19.4	64
13/06/2023 01:50	1	18	32	1.7	0	19.2	64
13/06/2023 02:00	1.8	74	13	2.6	0	18.8	64
13/06/2023 02:10	2	91	17	3.1	0	18.5	66
13/06/2023 02:20	1.7	92	18	2.5	0	18.7	64
13/06/2023 02:30	2	99	14	2.8	0	18.8	65
13/06/2023 02:40	1.9	82	15	2.7	0	18.8	66
13/06/2023 02:50	2	81	9	2.8	0	18.3	69
13/06/2023 03:00	2.6	100	15	3.6	0	18.5	70
13/06/2023 03:10	2.8	102	9	4.4	0	19.2	70
13/06/2023 03:20	2.8	107	13	4.2	0	19.6	69
13/06/2023 03:30	2	112	19	3.4	0	19.5	66
13/06/2023 03:40	3.3	107	11	4.8	0	19.9	63
13/06/2023 03:50	4.3	104	10	6.2	0	20.6	55
13/06/2023 04:00	4.7	101	11	6.9	0	21.1	50
13/06/2023 04:10	4.5	102	9	6.9	0	21	49
13/06/2023 04:20	4.6	100	8	6.7	0	20.9	49
13/06/2023 04:30	4.7	104	10	6.7	0	20.9	49
13/06/2023 04:40	5.2	103	9	7.7	0	20.8	48
13/06/2023 04:50	4.9	105	10	6.7	0	20.7	49
13/06/2023 05:00	4.2	110	10	5.9	0	20.3	52
13/06/2023 05:10	5.1	108	10	7.7	0	20.3	52
13/06/2023 05:20	4.9	107	11	7.6	0	20.4	51
13/06/2023 05:30	5.4	105	11	8.3	0	20.5	51
13/06/2023 05:40	6	107	10	9.6	0	20.4	51
13/06/2023 05:50	6.4	107	9	9.8	0	20.3	51
13/06/2023 06:00	6.3	108	10	8.8	0	20.2	51
13/06/2023 06:10	6.5	107	10	9.9	0	20.2	51
13/06/2023 06:20	6.8	106	10	10.1	0	20.1	50
13/06/2023 06:30	6.5	108	10	9.5	0	20.1	49
13/06/2023 06:40	6.7	105	10	9.9	0	20.1	48
13/06/2023 06:50	6.6	108	11	9.7	0	20.1	47
13/06/2023 07:00	6.8	107	10	9.6	0	20.1	48
13/06/2023 07:10	6.9	108	9	10.3	0	20.2	49
13/06/2023 07:20	6.3	107	10	9.7	0	20.3	49
13/06/2023 07:30	6.1	103	10	10.2	0	20.5	46
13/06/2023 07:40	6.9	102	10	9.5	0	20.6	44
13/06/2023 07:50	6.8	104	9	9.9	0	20.7	44
13/06/2023 08:00	6.9	101	10	10.2	0	20.9	42
13/06/2023 08:10	7	101	10	11.2	0	21.1	41
13/06/2023 08:20	6.6	105	11	10.1	0	21.2	43
13/06/2023 08:30	6.5	108	11	10	0	21.3	42



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/06/2023 08:40	7	105	12	10.2	0	21.4	40
13/06/2023 08:50	7.3	104	9	10.2	0	21.5	39
13/06/2023 09:00	7.3	104	10	11.1	0	21.5	39
13/06/2023 09:10	7.6	105	10	10.6	0	21.6	39
13/06/2023 09:20	7.5	107	9	11.1	0	21.8	39
13/06/2023 09:30	7.2	104	10	10.3	0	22.1	38
13/06/2023 09:40	7.4	102	10	10.1	0	22.3	38
13/06/2023 09:50	7.1	103	11	10.4	0	22.5	38
13/06/2023 10:00	8.3	97	8	11.2	0	22.6	37
13/06/2023 10:10	9	96	8	12.4	0	22.5	36
13/06/2023 10:20	9	95	8	13.1	0	22.5	37
13/06/2023 10:30	8.9	94	8	12.2	0	22.6	36
13/06/2023 10:40	8.3	89	8	11.9	0	23	36
13/06/2023 10:50	8	86	8	11.6	0	23.3	36
13/06/2023 11:00	8.1	89	8	11.4	0	23.3	35
13/06/2023 11:10	7.9	85	8	11.4	0	23.4	37
13/06/2023 11:20	7.9	86	7	10.7	0	23.4	38
13/06/2023 11:30	7.5	87	8	10	0	23.5	39
13/06/2023 11:40	8.1	76	7	11.2	0	23.8	38
13/06/2023 11:50	8	76	7	11	0	23.6	39
13/06/2023 12:00	8	74	7	10.6	0	23.9	37
13/06/2023 12:10	9.2	75	4	11.1	0	23.6	38
13/06/2023 12:20	9.4	75	6	11.5	0	23.5	38
13/06/2023 12:30	8.1	77	7	11.1	0	23.5	41
13/06/2023 12:40	8.6	76	6	10.4	0	23.5	41
13/06/2023 12:50	7.9	78	6	9.9	0	23.5	41
13/06/2023 13:00	7.7	82	7	10.1	0	24	40
13/06/2023 13:10	7.7	82	8	9.8	0	24	40
13/06/2023 13:20	8	83	8	10.5	0	24.3	40
13/06/2023 13:30	7.5	78	9	10.2	0	24	40
13/06/2023 13:40	7.5	79	9	10.1	0	24.2	40
13/06/2023 13:50	7.9	80	8	10.6	0	24.3	39
13/06/2023 14:00	7.5	80	8	9.8	0	24.4	37
13/06/2023 14:10	7.1	85	8	9.6	0	24.8	35
13/06/2023 14:20	7.2	79	8	10	0	24.7	35
13/06/2023 14:30	6.8	81	9	9.4	0	25	34
13/06/2023 14:40	6.9	80	10	10.1	0	25.1	34
13/06/2023 14:50	6.3	85	7	8.5	0	25.2	33
13/06/2023 15:00	6.5	81	7	9.7	0	25.3	32
13/06/2023 15:10	6.1	82	9	8.6	0	25.5	31
13/06/2023 15:20	5.4	78	10	7.2	0	25.5	31
13/06/2023 15:30	5.7	84	8	8	0	25.9	30
13/06/2023 15:40	6.5	77	7	8.4	0	25.5	31
13/06/2023 15:50	5.2	80	8	7.7	0	25.8	32
13/06/2023 16:00	5.2	68	8	7.5	0	25.6	33
13/06/2023 16:10	5.1	64	7	7.1	0	25.5	34
13/06/2023 16:20	5.6	61	8	7.3	0	25.3	36
13/06/2023 16:30	5.2	64	7	7.1	0	25.5	32



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
13/06/2023 16:40	4.8	65	8	6.3	0	25.4	33
13/06/2023 16:50	4.2	61	7	5.6	0	25.1	38
13/06/2023 17:00	3.8	59	8	5.1	0	24.7	44
13/06/2023 17:10	4.1	59	6	5.3	0	23.7	48
13/06/2023 17:20	4.3	62	7	5.8	0	23.5	48
13/06/2023 17:30	3.7	65	7	4.8	0	23.3	49
13/06/2023 17:40	4.1	58	6	5.5	0	23	52
13/06/2023 17:50	3.8	57	6	5.2	0	22.8	54
13/06/2023 18:00	3.1	46	7	4.3	0	22.7	51
13/06/2023 18:10	3	40	5	4	0	22.9	45
13/06/2023 18:20	1.8	38	5	2.4	0	23.1	40
13/06/2023 18:30	1.3	35	10	1.8	0	23.1	39
13/06/2023 18:40	1.4	40	11	2.2	0	23	41
13/06/2023 18:50	1.8	51	6	2.2	0	22.9	44
13/06/2023 19:00	1.8	57	5	2.1	0	22.4	46
13/06/2023 19:10	1.1	57	10	1.7	0	22.1	47
13/06/2023 19:20	1.3	44	9	1.9	0	21.8	46
13/06/2023 19:30	1.9	50	6	2.6	0	22	46
13/06/2023 19:40	0.8	58	16	1.3	0	21.8	47
13/06/2023 19:50	0.8	64	16	1.3	0	21.6	48
13/06/2023 20:00	0.7	62	21	1.3	0	21.7	49
13/06/2023 20:10	0.4	130	20	0.6	0	21.6	51
13/06/2023 20:20	0.9	124	25	1.6	0	21.9	55
13/06/2023 20:30	0.7	95	15	1	0	22.1	55
13/06/2023 20:40	0.7	106	21	1.2	0	22.1	57
13/06/2023 20:50	0.4	65	25	0.6	0	22.2	59
13/06/2023 21:00	0.4	170	30	0.6	0	21.9	61
13/06/2023 21:10	0.4	197	35	0.7	0	21.7	63
13/06/2023 21:20	0.1	278	86	0.3	0	21.8	66
13/06/2023 21:30	0.3	244	33	0.6	0	22	65
13/06/2023 21:40	0.5	108	16	0.8	0	21.6	64
13/06/2023 21:50	1	96	13	1.4	0	21.2	66
13/06/2023 22:00	1.3	89	10	1.7	0	20.7	66
13/06/2023 22:10	1.1	74	10	1.6	0	20.7	67
13/06/2023 22:20	1.2	84	5	1.7	0	20.6	69
13/06/2023 22:30	0.9	66	9	1.2	0	20.8	73
13/06/2023 22:40	1	61	9	1.4	0	20.9	74
13/06/2023 22:50	1.1	61	9	1.3	0	20.9	75
13/06/2023 23:00	0.8	87	29	1.3	0	20.8	75
13/06/2023 23:10	0.7	54	19	1.2	0	20.7	75
13/06/2023 23:20	0.7	110	51	1.4	0	20.9	74
13/06/2023 23:30	0.2	189	38	0.4	0	20.8	73
13/06/2023 23:40	0.4	269	21	0.8	0	20.8	73
13/06/2023 23:50	0.7	297	47	1.1	0	20.6	72
14/06/2023 00:00	0.5	69	36	0.9	0	20.1	72
14/06/2023 00:10	0.9	49	8	1.3	0	19.5	73
14/06/2023 00:20	0.6	48	26	1	0	19.4	74
14/06/2023 00:30	0.5	39	13	0.9	0	19.4	73



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/06/2023 00:40	0.4	100	51	0.8	0	19.5	72
14/06/2023 00:50	0.6	168	25	0.8	0	19.7	70
14/06/2023 01:00	0.7	67	38	1.2	0	19.5	68
14/06/2023 01:10	0.9	71	17	1.2	0	19.3	66
14/06/2023 01:20	1.1	56	4	1.4	0	19.7	63
14/06/2023 01:30	1.2	45	6	1.6	0	20.2	61
14/06/2023 01:40	0.7	202	23	1	0	20.1	61
14/06/2023 01:50	0.8	275	10	1.1	0	19.7	62
14/06/2023 02:00	1.1	283	10	1.5	0	19.7	62
14/06/2023 02:10	0.3	161	46	0.8	0	19.1	63
14/06/2023 02:20	0.5	40	41	0.8	0	18.7	65
14/06/2023 02:30	0.3	318	60	0.7	0	19	62
14/06/2023 02:40	0.4	228	33	0.8	0	19.6	58
14/06/2023 02:50	2.1	257	12	3	0	19.7	55
14/06/2023 03:00	2.6	257	12	4.3	0	19.6	54
14/06/2023 03:10	2	271	17	3.5	0	19.4	58
14/06/2023 03:20	1.5	240	30	2.6	0	20.1	52
14/06/2023 03:30	2.7	186	36	4.3	0	20.9	40
14/06/2023 03:40	1	127	65	2	0	20.4	41
14/06/2023 03:50	1.4	168	37	2.8	0	20.3	41
14/06/2023 04:00	0.7	81	52	1.6	0	20.2	41
14/06/2023 04:10	1.2	54	20	2.2	0	20.2	40
14/06/2023 04:20	1	50	19	1.5	0	19.8	41
14/06/2023 04:30	1.5	57	15	2.2	0	19.6	41
14/06/2023 04:40	1.5	74	15	2.2	0	19.2	44
14/06/2023 04:50	1.6	74	13	2.3	0	18.7	47
14/06/2023 05:00	1.4	62	14	2.2	0	18.5	49
14/06/2023 05:10	1.7	65	13	2.4	0	18.5	50
14/06/2023 05:20	1.7	85	18	3.4	0	18.2	50
14/06/2023 05:30	2.1	104	11	3.3	0	18.6	49
14/06/2023 05:40	1.9	100	17	2.8	0	19	48
14/06/2023 05:50	1.2	78	22	1.9	0	18.2	53
14/06/2023 06:00	1.3	89	23	2.1	0	18.4	53
14/06/2023 06:10	1.5	105	21	2.9	0	18.5	51
14/06/2023 06:20	1.5	99	16	2.3	0	18.7	48
14/06/2023 06:30	1.6	99	15	2.4	0	18.4	49
14/06/2023 06:40	1.8	102	15	3	0	18.7	47
14/06/2023 06:50	1.8	104	17	2.7	0	19.3	43
14/06/2023 07:00	1.9	102	17	3.2	0	19.6	44
14/06/2023 07:10	1.9	106	15	3.8	0	19.8	45
14/06/2023 07:20	1.4	107	26	3	0	20	44
14/06/2023 07:30	1.4	114	26	2.6	0	20.4	41
14/06/2023 07:40	2.2	132	17	4.1	0	20.7	37
14/06/2023 07:50	2	124	21	3.5	0	20.9	35
14/06/2023 08:00	1.8	123	24	3.3	0	21.2	36
14/06/2023 08:10	2.1	112	16	3.6	0	21.7	35
14/06/2023 08:20	2.8	108	12	4.6	0	21.5	37
14/06/2023 08:30	3.3	104	11	5.3	0	21.4	40



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/06/2023 08:40	3.2	105	11	4.8	0	21.5	40
14/06/2023 08:50	3.6	106	11	5.2	0	21.6	40
14/06/2023 09:00	3.3	104	13	5	0	21.8	40
14/06/2023 09:10	3.7	109	12	5.2	0	21.9	40
14/06/2023 09:20	3.6	112	14	6	0	22.2	36
14/06/2023 09:30	3.9	109	13	6.3	0	22.2	34
14/06/2023 09:40	3.3	112	16	5.7	0	22.4	36
14/06/2023 09:50	3.9	111	12	5.7	0	22.3	34
14/06/2023 10:00	3.3	109	13	4.8	0	22.7	34
14/06/2023 10:10	3.8	111	11	5	0	22.9	34
14/06/2023 10:20	3.5	103	10	5.2	0	23.4	35
14/06/2023 10:30	4.1	100	11	6.1	0	23.9	35
14/06/2023 10:40	4.5	92	10	6.3	0	24.3	34
14/06/2023 10:50	5	92	9	6.7	0	24.5	33
14/06/2023 11:00	4.8	92	10	7.2	0	24.8	32
14/06/2023 11:10	5.3	86	11	7.3	0	25.2	30
14/06/2023 11:20	5.5	75	7	7.1	0	25.3	30
14/06/2023 11:30	5.4	80	7	7.1	0	25.4	29
14/06/2023 11:40	5.4	78	8	6.9	0	25.4	28
14/06/2023 11:50	4.5	78	9	6.2	0	25.9	27
14/06/2023 12:00	4.8	77	9	6.7	0	26	28
14/06/2023 12:10	5.2	76	8	6.7	0	26	28
14/06/2023 12:20	5.3	75	9	6.8	0	26.2	27
14/06/2023 12:30	5.8	78	8	7.4	0	26.4	25
14/06/2023 12:40	5.9	71	8	7.5	0	26.4	25
14/06/2023 12:50	4.6	68	10	6.2	0	27	27
14/06/2023 13:00	4.6	66	12	6.7	0	27.3	27
14/06/2023 13:10	5.2	56	9	7.2	0	26.9	28
14/06/2023 13:20	5	50	11	6.5	0	26.4	30
14/06/2023 13:30	5.2	56	9	7.2	0	26.5	29
14/06/2023 13:40	4.9	66	7	6.7	0	26.6	29
14/06/2023 13:50	5	68	8	6.6	0	27	27
14/06/2023 14:00	4.8	64	8	6.4	0	27	28
14/06/2023 14:10	5.5	59	7	7.2	0	26.9	27
14/06/2023 14:20	5.9	51	7	7.8	0	26.8	24
14/06/2023 14:30	5.9	53	7	7.8	0	27	23
14/06/2023 14:40	6.1	51	6	7.6	0	26.9	23
14/06/2023 14:50	4.8	58	9	6.9	0	27.7	23
14/06/2023 15:00	5.4	53	7	6.9	0	27.4	24
14/06/2023 15:10	4.7	55	7	6.1	0	27.4	25
14/06/2023 15:20	4.6	56	6	6	0	27.4	24
14/06/2023 15:30	4.8	58	6	6	0	27.6	22
14/06/2023 15:40	4.6	57	7	6	0	27.9	21
14/06/2023 15:50	4.2	57	9	5.6	0	28.2	22
14/06/2023 16:00	4.5	60	6	5.5	0	28.2	21
14/06/2023 16:10	3.6	61	9	5.1	0	28.5	21
14/06/2023 16:20	3.3	61	9	4.3	0	28.7	22
14/06/2023 16:30	2.9	48	14	4.2	0	28.5	24





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
14/06/2023 16:40	3.8	357	12	4.9	0	27.7	29
14/06/2023 16:50	3.5	11	10	5.2	0	27.4	30
14/06/2023 17:00	3.7	17	7	5	0	26.9	32
14/06/2023 17:10	3.8	3	9	5.1	0	26.2	41
14/06/2023 17:20	4.1	6	8	5.5	0	25.2	47
14/06/2023 17:30	3.1	20	12	4.6	0	24.8	47
14/06/2023 17:40	3	3	10	4.2	0	24.6	47
14/06/2023 17:50	2.2	346	13	4	0	24.5	49
14/06/2023 18:00	2.7	342	13	4.3	0	24.1	53
14/06/2023 18:10	1.9	338	24	3.3	0	24	51
14/06/2023 18:20	1.8	349	27	3.4	0	23.7	54
14/06/2023 18:30	3	179	11	4.2	0	23.7	54
14/06/2023 18:40	3.5	347	7	4.7	0	23.7	54
14/06/2023 18:50	4	349	7	5.6	0	23.7	54
14/06/2023 19:00	4.4	179	7	6	0	23.7	53
14/06/2023 19:10	2	335	43	4.4	0	23.5	54
14/06/2023 19:20	1.5	253	50	3	0	23.5	55
14/06/2023 19:30	1.2	119	40	1.9	0	23.2	58
14/06/2023 19:40	1.2	263	20	1.8	0	22.9	61
14/06/2023 19:50	1.2	276	19	1.7	0	22.8	62
14/06/2023 20:00	1.7	262	11	2.3	0	22.4	65
14/06/2023 20:10	1.2	291	13	1.8	0	22.7	65
14/06/2023 20:20	0.9	220	35	2	0	22.4	66
14/06/2023 20:30	1	194	39	1.7	0	22.6	69
14/06/2023 20:40	0.5	196	59	1	0	22.6	69
14/06/2023 20:50	1.7	202	22	3.2	0	22.6	70
14/06/2023 21:00	2.8	244	20	4.3	0	22.8	70
14/06/2023 21:10	2	263	23	2.9	0	22	70
14/06/2023 21:20	2.2	278	11	3	0	21.9	71
14/06/2023 21:30	2	276	14	2.6	0	21.6	71
14/06/2023 21:40	1.5	278	15	2.6	0	21.3	71
14/06/2023 21:50	2.3	280	7	3.4	0	21.3	71
14/06/2023 22:00	1.8	264	17	2.4	0	21.2	71
14/06/2023 22:10	1.2	272	21	1.9	0	21.1	71
14/06/2023 22:20	1.3	259	33	2.3	0	21	71
14/06/2023 22:30	1.9	255	27	2.7	0	21.3	70
14/06/2023 22:40	1.7	296	22	2.9	0	21.4	69
14/06/2023 22:50	1.1	226	43	2.5	0	21.4	69
14/06/2023 23:00	0.6	318	34	1	0	21.4	69
14/06/2023 23:10	1.1	215	53	1.8	0	20.8	70
14/06/2023 23:20	0.8	332	19	1.3	0	20.7	71
14/06/2023 23:30	0.7	293	18	1.2	0	20.7	71
14/06/2023 23:40	1	278	12	1.4	0	20.4	72
14/06/2023 23:50	1.4	280	9	2.1	0	20.5	71
15/06/2023 00:00	1.1	294	29	1.8	0	20.2	71
15/06/2023 00:10	2.2	239	19	3.3	0	19.7	72
15/06/2023 00:20	2.4	257	18	3.5	0	20.6	66
15/06/2023 00:30	0.9	264	34	2	0	20.8	64



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/06/2023 00:40	1.1	250	34	1.9	0	20.3	64
15/06/2023 00:50	1	274	36	1.8	0	20.6	61
15/06/2023 01:00	1.4	275	15	2	0	20.9	58
15/06/2023 01:10	1.3	268	17	2.5	0	20.5	58
15/06/2023 01:20	0.7	235	46	1.7	0	20.6	55
15/06/2023 01:30	0.5	219	61	1.1	0	20.6	53
15/06/2023 01:40	0.5	290	32	1.3	0	21.1	50
15/06/2023 01:50	0.9	268	21	1.9	0	20.9	50
15/06/2023 02:00	0.9	252	26	1.6	0	20.6	50
15/06/2023 02:10	2	273	11	3.2	0	19.8	53
15/06/2023 02:20	2.9	272	6	3.9	0	20.4	51
15/06/2023 02:30	2	274	10	3.2	0	20.1	51
15/06/2023 02:40	2.4	255	14	3.4	0	20.6	49
15/06/2023 02:50	2.1	230	16	4	0	21.6	46
15/06/2023 03:00	1.7	257	12	2.5	0	21	46
15/06/2023 03:10	3	263	7	4	0	20.7	48
15/06/2023 03:20	2.8	255	11	3.7	0	21.3	45
15/06/2023 03:30	2.6	262	10	3.6	0	21	44
15/06/2023 03:40	3	268	8	3.7	0	20.9	45
15/06/2023 03:50	3.3	269	8	4.2	0	20.7	45
15/06/2023 04:00	3.6	269	6	4.7	0	20.9	44
15/06/2023 04:10	2.5	259	14	4	0	20.7	44
15/06/2023 04:20	1.2	259	28	2.1	0	20.3	46
15/06/2023 04:30	1.3	264	32	2.9	0	20.6	44
15/06/2023 04:40	0.9	301	42	1.3	0	20.4	44
15/06/2023 04:50	2.2	174	24	3.3	0	19.6	47
15/06/2023 05:00	2.8	97	14	4.3	0	18.8	59
15/06/2023 05:10	2	121	32	3.7	0	18.8	65
15/06/2023 05:20	1.2	93	35	2	0	18.7	63
15/06/2023 05:30	1.9	74	10	2.6	0	18.2	67
15/06/2023 05:40	1.9	78	7	2.7	0	18	70
15/06/2023 05:50	1.6	101	13	2.3	0	17.8	70
15/06/2023 06:00	1.3	66	13	1.7	0	18.1	66
15/06/2023 06:10	1.2	56	8	1.4	0	18.2	64
15/06/2023 06:20	1.5	107	18	2	0	18.2	62
15/06/2023 06:30	1.7	117	15	2.7	0	18.9	62
15/06/2023 06:40	1.3	90	22	2.2	0	18.9	61
15/06/2023 06:50	1.2	59	30	2.2	0	18.7	65
15/06/2023 07:00	1.6	54	19	2.4	0	18.5	69
15/06/2023 07:10	2.9	102	16	4.8	0	18.8	71
15/06/2023 07:20	4	111	12	5.8	0	19.6	66
15/06/2023 07:30	3.6	109	11	5.3	0	19.9	65
15/06/2023 07:40	3.6	109	10	4.8	0	20	66
15/06/2023 07:50	3.8	107	10	5.4	0	20.1	65
15/06/2023 08:00	4	100	9	5.4	0	20.4	64
15/06/2023 08:10	4.3	99	8	6.4	0	20.5	64
15/06/2023 08:20	5	94	7	6.9	0	20.5	67
15/06/2023 08:30	4.5	101	8	6	0	20.4	69



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/06/2023 08:40	4	100	8	5.6	0	20.6	71
15/06/2023 08:50	4.4	96	6	5.8	0	20.8	71
15/06/2023 09:00	4.4	97	8	5.7	0	21.2	70
15/06/2023 09:10	4.8	96	7	5.9	0	21.7	68
15/06/2023 09:20	5	94	6	6.5	0	21.9	67
15/06/2023 09:30	4.9	90	7	6.8	0	22.6	60
15/06/2023 09:40	5	92	8	6.5	0	23.3	55
15/06/2023 09:50	5.5	96	9	8	0	23.5	50
15/06/2023 10:00	5	98	9	7.3	0	23.5	49
15/06/2023 10:10	5.1	97	10	6.8	0	24	48
15/06/2023 10:20	5.7	93	11	8.4	0	24.2	47
15/06/2023 10:30	7.7	86	8	11.5	0	24.2	38
15/06/2023 10:40	7.3	84	8	10.4	0	24.3	37
15/06/2023 10:50	7.6	86	7	10.6	0	24.1	36
15/06/2023 11:00	7.5	87	8	10	0	24.1	36
15/06/2023 11:10	6.8	85	9	9.5	0	24.4	36
15/06/2023 11:20	6.8	86	8	9.3	0	24.6	32
15/06/2023 11:30	6.4	90	9	9.5	0	24.7	34
15/06/2023 11:40	5.9	90	10	8.6	0	24.8	34
15/06/2023 11:50	6.2	90	8	8	0	24.6	36
15/06/2023 12:00	5.9	90	8	8.4	0	24.8	36
15/06/2023 12:10	6.5	86	9	8.7	0	24.9	34
15/06/2023 12:20	6.4	82	10	9.4	0	25	32
15/06/2023 12:30	7.4	73	6	9.2	0	24.2	33
15/06/2023 12:40	7.2	78	7	9.8	0	24.1	34
15/06/2023 12:50	7.3	77	7	9.3	0	24.1	34
15/06/2023 13:00	7.4	79	7	9.3	0	24	35
15/06/2023 13:10	6.6	81	8	9	0	24.1	36
15/06/2023 13:20	6.8	84	8	9.2	0	24.5	35
15/06/2023 13:30	6.4	84	7	8.6	0	24.4	34
15/06/2023 13:40	5.9	75	9	8.1	0	25	33
15/06/2023 13:50	5	74	10	7	0	25	34
15/06/2023 14:00	5.2	74	13	6.9	0	25.3	32
15/06/2023 14:10	5.5	78	10	7.8	0	25.1	33
15/06/2023 14:20	5.4	80	12	7.7	0	25.1	34
15/06/2023 14:30	5.7	64	9	7.8	0	25.3	33
15/06/2023 14:40	5.5	66	9	7.2	0	25.1	33
15/06/2023 14:50	5.5	65	8	7.3	0	25.2	33
15/06/2023 15:00	5.8	62	8	7.7	0	25.3	32
15/06/2023 15:10	5.8	61	8	8	0	25.4	32
15/06/2023 15:20	5.3	61	9	7.1	0	25.7	30
15/06/2023 15:30	5	53	8	6.6	0	25.7	30
15/06/2023 15:40	4.9	57	7	6.5	0	25.7	29
15/06/2023 15:50	4.3	58	8	6.2	0	26	28
15/06/2023 16:00	4.3	55	8	5.5	0	25.7	28
15/06/2023 16:10	3.6	61	6	5.2	0	25.3	28
15/06/2023 16:20	3.6	60	5	5.3	0	25.1	29
15/06/2023 16:30	3.9	54	6	5.2	0	24.8	30



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
15/06/2023 16:40	3.3	50	6	4.4	0	24.9	29
15/06/2023 16:50	2.4	47	7	3.4	0	25	29
15/06/2023 17:00	2.5	46	6	3.3	0	24.9	30
15/06/2023 17:10	1.6	55	12	2.2	0	25.1	30
15/06/2023 17:20	0.7	93	27	1.3	0	24.8	33
15/06/2023 17:30	0.7	137	39	1.3	0	24.7	33
15/06/2023 17:40	1.5	11	17	2.5	0	24.4	36
15/06/2023 17:50	2.4	178	8	3.4	0	24.2	38
15/06/2023 18:00	1.9	342	12	3	0	24	41
15/06/2023 18:10	2.1	348	13	3	0	23.9	42
15/06/2023 18:20	2.5	348	8	3.5	0	23.8	45
15/06/2023 18:30	1.7	336	15	2.8	0	23.7	47
15/06/2023 18:40	2.1	347	10	2.8	0	23.7	47
15/06/2023 18:50	2.3	355	8	3.4	0	23.6	47
15/06/2023 19:00	3.1	179	8	4.3	0	23.6	48
15/06/2023 19:10	2.9	7	8	4.3	0	23.7	49
15/06/2023 19:20	2.4	354	12	3.4	0	23.7	49
15/06/2023 19:30	2.5	343	10	3.6	0	23.7	48
15/06/2023 19:40	2.3	345	10	3.4	0	23.7	49
15/06/2023 19:50	1.1	352	26	2.1	0	23.6	49
15/06/2023 20:00	1.5	331	30	2.5	0	23.5	49
15/06/2023 20:10	1.8	354	12	3	0	23.6	50
15/06/2023 20:20	2	341	14	2.9	0	23.6	51
15/06/2023 20:30	2.6	349	11	3.9	0	23.7	50
15/06/2023 20:40	2.4	181	10	3.9	0	23.7	51
15/06/2023 20:50	2.1	334	13	3.2	0	23.7	52
15/06/2023 21:00	1.3	281	24	2.1	0	23.6	54
15/06/2023 21:10	1.3	251	23	2	0	23.3	58
15/06/2023 21:20	0.6	206	43	1.1	0	23	60
15/06/2023 21:30	0.8	60	24	1.2	0	23.2	60
15/06/2023 21:40	0.7	79	19	1.3	0	22.8	59
15/06/2023 21:50	0.4	199	49	0.6	0	22.7	59
15/06/2023 22:00	1	76	16	1.6	0	22.8	59
15/06/2023 22:10	0.6	302	42	1	0	22.9	59
15/06/2023 22:20	1.6	257	8	2.1	0	22.6	60
15/06/2023 22:30	1.2	196	22	1.7	0	22.3	63
15/06/2023 22:40	1.3	62	10	1.7	0	21.7	63
15/06/2023 22:50	1.3	79	12	1.7	0	21.3	65
15/06/2023 23:00	1.1	37	18	1.7	0	21.4	65
15/06/2023 23:10	1	208	24	1.6	0	21.7	63
15/06/2023 23:20	1.6	24	7	2	0	21.7	61
15/06/2023 23:30	1.4	41	13	1.8	0	21.8	60
15/06/2023 23:40	1.4	54	4	1.9	0	21.6	59
15/06/2023 23:50	0.9	55	7	1.1	0	21.6	59
16/06/2023 00:00	1.1	50	5	1.4	0	21.6	59
16/06/2023 00:10	1	61	8	1.2	0	21.5	59
16/06/2023 00:20	1.1	44	6	1.4	0	21.7	58
16/06/2023 00:30	1	57	12	1.2	0	21.7	58



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/06/2023 00:40	0.9	37	7	1.2	0	21.6	58
16/06/2023 00:50	1.4	52	10	1.7	0	21.5	58
16/06/2023 01:00	1.3	44	6	1.7	0	21.4	59
16/06/2023 01:10	1.3	59	8	1.6	0	21.2	59
16/06/2023 01:20	0.3	93	63	0.8	0	21.1	60
16/06/2023 01:30	0.5	63	42	0.8	0	20.2	62
16/06/2023 01:40	1.4	36	11	1.6	0	20.8	61
16/06/2023 01:50	1.2	44	5	1.5	0	20.9	63
16/06/2023 02:00	1.1	40	8	1.4	0	21	61
16/06/2023 02:10	0.8	70	22	1.1	0	21.1	61
16/06/2023 02:20	0.4	190	70	0.7	0	20.7	62
16/06/2023 02:30	0.3	142	51	0.4	0	20.2	64
16/06/2023 02:40	0.3	26	17	0.5	0	20.2	64
16/06/2023 02:50	0.5	69	12	0.7	0	20.4	63
16/06/2023 03:00	0.5	239	44	0.8	0	20.3	62
16/06/2023 03:10	0.7	48	20	0.9	0	20.3	63
16/06/2023 03:20	1.6	76	10	2.1	0	20.2	62
16/06/2023 03:30	1.3	52	11	1.6	0	19.9	62
16/06/2023 03:40	0.6	59	20	1.1	0	20.1	64
16/06/2023 03:50	1.1	19	10	1.4	0	20.6	63
16/06/2023 04:00	1.1	57	8	1.4	0	20.4	63
16/06/2023 04:10	0.5	29	52	0.8	0	20.3	64
16/06/2023 04:20	1.2	207	17	1.5	0	20	65
16/06/2023 04:30	0.6	147	54	1.3	0	19.8	67
16/06/2023 04:40	0.9	97	26	1.3	0	19.6	67
16/06/2023 04:50	0.9	117	40	1.8	0	20	65
16/06/2023 05:00	1.3	176	23	2.3	0	20.7	62
16/06/2023 05:10	1.4	165	16	2.5	0	21	61
16/06/2023 05:20	1.6	172	12	2.5	0	21.3	60
16/06/2023 05:30	1.5	165	16	2.6	0	21.3	58
16/06/2023 05:40	0.9	132	13	1.4	0	21.2	58
16/06/2023 05:50	0.5	127	21	0.8	0	21	59
16/06/2023 06:00	0.7	69	12	1.2	0	20.6	60
16/06/2023 06:10	2.1	51	6	2.7	0	20.2	63
16/06/2023 06:20	1.4	67	8	1.9	0	20.2	63
16/06/2023 06:30	1.6	67	13	2.1	0	20.1	62
16/06/2023 06:40	1.7	59	5	2.2	0	20.2	61
16/06/2023 06:50	1.6	68	9	1.9	0	20.3	60
16/06/2023 07:00	1	66	21	1.6	0	20.2	60
16/06/2023 07:10	0.8	60	33	1.4	0	20.3	59
16/06/2023 07:20	1.2	28	9	1.5	0	20.2	59
16/06/2023 07:30	1.1	264	61	2.5	0	20.3	55
16/06/2023 07:40	1.2	153	19	2.4	0	21.5	40
16/06/2023 07:50	1.1	115	37	2.4	0	21.8	36
16/06/2023 08:00	1.7	82	14	2.9	0	21.8	34
16/06/2023 08:10	1.5	70	15	2.2	0	21.5	36
16/06/2023 08:20	2.2	67	6	2.5	0	21.2	38
16/06/2023 08:30	2.2	54	8	2.7	0	21.5	38



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/06/2023 08:40	1.9	90	12	2.5	0	22	37
16/06/2023 08:50	2.3	95	9	3.1	0	22.4	39
16/06/2023 09:00	2.2	98	10	3.1	0	22.1	41
16/06/2023 09:10	1.6	85	9	2.2	0	21.7	46
16/06/2023 09:20	1.9	85	9	2.6	0	22.1	47
16/06/2023 09:30	2.2	86	9	2.9	0	22.2	47
16/06/2023 09:40	1.7	95	14	2.8	0	22.5	44
16/06/2023 09:50	2.7	92	8	3.6	0	22.3	44
16/06/2023 10:00	2.1	106	15	3.3	0	22.8	46
16/06/2023 10:10	2.2	101	11	3.3	0	22.9	47
16/06/2023 10:20	2	94	11	2.7	0	22.4	50
16/06/2023 10:30	2	103	13	3	0	22.4	51
16/06/2023 10:40	2	102	12	2.9	0	22.8	49
16/06/2023 10:50	1.7	116	18	2.7	0	23.7	45
16/06/2023 11:00	2.1	124	25	3.8	0	24.9	41
16/06/2023 11:10	3.1	105	16	4.6	0	25.2	39
16/06/2023 11:20	2.8	111	16	4.4	0	25.5	39
16/06/2023 11:30	3.2	109	15	4.9	0	25.3	40
16/06/2023 11:40	3.4	106	13	5	0	25.5	38
16/06/2023 11:50	4.3	105	10	6.4	0	26	34
16/06/2023 12:00	3.8	101	10	5.8	0	26.2	31
16/06/2023 12:10	4.4	93	10	5.8	0	26.1	31
16/06/2023 12:20	4.1	98	9	5.5	0	26.6	29
16/06/2023 12:30	4.3	86	9	5.9	0	26.5	28
16/06/2023 12:40	4.2	82	10	5.9	0	26.9	27
16/06/2023 12:50	5.4	82	8	7	0	25.9	33
16/06/2023 13:00	6.1	76	6	7.5	0	25.4	33
16/06/2023 13:10	5.6	84	9	7.7	0	25.7	30
16/06/2023 13:20	5.2	77	9	7.6	0	25.9	29
16/06/2023 13:30	5.7	78	9	8	0	26.1	25
16/06/2023 13:40	6.1	75	8	8.2	0	25.4	28
16/06/2023 13:50	5.7	64	9	8.8	0	25.5	26
16/06/2023 14:00	5.5	67	8	7.5	0	25.5	23
16/06/2023 14:10	6	76	7	7.4	0	25.7	21
16/06/2023 14:20	5.6	76	7	7.8	0	25.8	19
16/06/2023 14:30	5.1	75	9	6.9	0	26.3	17
16/06/2023 14:40	4.8	64	8	6.2	0	26.5	18
16/06/2023 14:50	4.9	58	10	6.6	0	27.1	19
16/06/2023 15:00	4.4	58	12	6.1	0	27	23
16/06/2023 15:10	4.6	44	7	6	0	26.3	26
16/06/2023 15:20	4.6	55	7	5.7	0	25.5	29
16/06/2023 15:30	5.4	52	7	6.8	0	25.4	27
16/06/2023 15:40	5.6	52	7	7.4	0	25.4	25
16/06/2023 15:50	5.8	52	6	7.1	0	25.6	23
16/06/2023 16:00	5.3	50	7	7	0	26.1	21
16/06/2023 16:10	5.7	54	6	7.6	0	25.5	23
16/06/2023 16:20	5.3	53	7	7.2	0	25.3	27
16/06/2023 16:30	4.8	56	8	6.3	0	25.3	28



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
16/06/2023 16:40	4.6	55	8	6.2	0	25.3	29
16/06/2023 16:50	4.4	55	6	5.5	0	25.1	28
16/06/2023 17:00	3.6	53	6	5	0	25	28
16/06/2023 17:10	3.2	52	6	4.3	0	25	29
16/06/2023 17:20	2.7	49	6	3.5	0	24.8	31
16/06/2023 17:30	2.4	52	5	3.2	0	24.6	33
16/06/2023 17:40	2.4	48	5	3.2	0	24.3	34
16/06/2023 17:50	1.9	51	8	2.4	0	23.9	36
16/06/2023 18:00	0.9	116	24	1.8	0	23.7	36
16/06/2023 18:10	1	155	29	1.4	0	24	35
16/06/2023 18:20	1.5	55	14	2.3	0	24.1	36
16/06/2023 18:30	1.6	45	12	2.6	0	24	38
16/06/2023 18:40	1.3	80	19	2.6	0	24.1	38
16/06/2023 18:50	1.1	79	19	1.7	0	24.1	38
16/06/2023 19:00	1.5	56	8	2.1	0	24.1	38
16/06/2023 19:10	0.6	98	26	1.1	0	23.8	39
16/06/2023 19:20	0.6	158	36	1	0	23.4	40
16/06/2023 19:30	0.9	153	25	1.3	0	23.7	40
16/06/2023 19:40	0.4	221	36	0.9	0	23.4	40
16/06/2023 19:50	0.3	202	39	0.7	0	23.3	41
16/06/2023 20:00	0.9	196	16	1.2	0	23.3	41
16/06/2023 20:10	1	269	20	1.4	0	23.3	42
16/06/2023 20:20	0.8	172	23	1.2	0	23.5	42
16/06/2023 20:30	0.5	36	16	0.8	0	23.6	43
16/06/2023 20:40	0.5	88	25	0.9	0	23.4	43
16/06/2023 20:50	0.4	62	38	0.9	0	23	43
16/06/2023 21:00	1	18	24	2	0	23.3	45
16/06/2023 21:10	0.7	158	39	1.3	0	23.4	46
16/06/2023 21:20	0.4	168	55	1.2	0	23.4	47
16/06/2023 21:30	1	12	47	1.9	0	23.6	50
16/06/2023 21:40	1	131	24	1.6	0	23.7	51
16/06/2023 21:50	0.5	202	38	0.9	0	23.7	51
16/06/2023 22:00	0.4	285	32	0.9	0	23.5	52
16/06/2023 22:10	0.8	295	22	1.4	0	23.5	52
16/06/2023 22:20	0.9	288	51	1.9	0	23.5	53
16/06/2023 22:30	0.9	249	13	1.3	0	23.3	51
16/06/2023 22:40	0.8	252	16	1.2	0	23.1	52
16/06/2023 22:50	0.8	229	18	1.1	0	23.1	53
16/06/2023 23:00	0.4	274	45	0.8	0	22.8	54
16/06/2023 23:10	0.7	265	19	1.1	0	23	54
16/06/2023 23:20	0.8	308	5	1.1	0	23.3	55
16/06/2023 23:30	1.1	276	8	1.5	0	23.4	56
16/06/2023 23:40	1.6	271	6	2	0	23.2	57
16/06/2023 23:50	2	264	4	2.3	0	22.9	57
17/06/2023 00:00	2	279	5	2.4	0	22.5	59
17/06/2023 00:10	2	273	5	2.3	0	22.3	59
17/06/2023 00:20	1.9	276	5	2.3	0	22.3	59
17/06/2023 00:30	1.9	295	7	2.3	0	22.5	58



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/06/2023 00:40	1	185	52	1.5	0	22.5	58
17/06/2023 00:50	0.4	323	32	0.6	0	22.5	59
17/06/2023 01:00	0.7	241	23	1.5	0	22.2	60
17/06/2023 01:10	0.5	129	21	0.7	0	21.7	61
17/06/2023 01:20	0.4	210	24	0.7	0	21.7	61
17/06/2023 01:30	0.4	169	27	0.6	0	21.9	62
17/06/2023 01:40	0.5	238	21	0.9	0	21.7	62
17/06/2023 01:50	1.7	263	11	2.4	0	21.9	60
17/06/2023 02:00	1.5	254	15	2.3	0	22.1	59
17/06/2023 02:10	1.9	288	7	2.4	0	22.2	59
17/06/2023 02:20	2.7	278	5	3.2	0	22.2	60
17/06/2023 02:30	2.1	271	5	2.8	0	22.1	60
17/06/2023 02:40	2.6	268	3	3	0	21.9	61
17/06/2023 02:50	2.4	273	4	2.7	0	21.8	62
17/06/2023 03:00	2.4	276	3	2.8	0	22	61
17/06/2023 03:10	2.9	274	4	3.3	0	22.2	60
17/06/2023 03:20	3	273	4	3.5	0	22.2	60
17/06/2023 03:30	2.8	268	4	3.5	0	22.3	61
17/06/2023 03:40	1.3	323	15	2	0	22.3	61
17/06/2023 03:50	1.5	296	12	2.1	0	22.5	61
17/06/2023 04:00	2.1	271	6	2.7	0	22.3	62
17/06/2023 04:10	3.2	256	3	3.5	0	22	62
17/06/2023 04:20	2.9	261	3	3.3	0	22	63
17/06/2023 04:30	3.2	269	5	3.9	0	22.1	63
17/06/2023 04:40	3	266	5	3.7	0	22.2	63
17/06/2023 04:50	2.8	270	7	3.4	0	22.3	63
17/06/2023 05:00	2.7	264	10	3.5	0	22.4	63
17/06/2023 05:10	2.9	237	16	4.3	0	22.5	63
17/06/2023 05:20	3	233	14	4.8	0	22.3	61
17/06/2023 05:30	3.8	213	11	5.9	0	22.4	58
17/06/2023 05:40	3.1	213	11	5.3	0	22.4	57
17/06/2023 05:50	2.6	217	15	4.2	0	22.5	56
17/06/2023 06:00	2.4	207	14	3.6	0	22.6	51
17/06/2023 06:10	1.5	198	18	2.8	0	22.8	46
17/06/2023 06:20	1.4	72	38	2.1	0	22.5	49
17/06/2023 06:30	1.2	71	11	2	0	22	53
17/06/2023 06:40	1.8	69	12	2.8	0	21.8	51
17/06/2023 06:50	1.2	69	34	2.2	0	21.7	50
17/06/2023 07:00	1	143	18	1.7	0	22	45
17/06/2023 07:10	0.9	170	23	1.5	0	22.1	45
17/06/2023 07:20	1.1	171	17	2.1	0	22.2	46
17/06/2023 07:30	1.2	157	14	1.9	0	22.4	45
17/06/2023 07:40	0.7	116	16	1.2	0	22.5	44
17/06/2023 07:50	1.2	157	13	2.2	0	22.6	43
17/06/2023 08:00	1.3	137	40	2.9	0	23	41
17/06/2023 08:10	1.3	69	18	2	0	22.9	44
17/06/2023 08:20	1.1	84	18	2	0	22.9	45
17/06/2023 08:30	2.4	77	8	3.1	0	22.9	45





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/06/2023 08:40	2.7	78	8	3.6	0	22.8	45
17/06/2023 08:50	2.5	91	8	3.3	0	22.7	48
17/06/2023 09:00	2.5	82	7	3.5	0	22.7	50
17/06/2023 09:10	3.1	70	9	3.8	0	22.6	55
17/06/2023 09:20	2.8	84	8	3.9	0	22.4	52
17/06/2023 09:30	2.2	123	14	3.6	0	22.5	50
17/06/2023 09:40	1.4	128	26	2.5	0	22.4	53
17/06/2023 09:50	1.5	92	16	2.5	0	22.4	51
17/06/2023 10:00	1.4	77	12	2.1	0	22.5	51
17/06/2023 10:10	1.7	89	9	2.8	0	22.6	51
17/06/2023 10:20	1.5	134	21	2.6	0	23.1	46
17/06/2023 10:30	2.2	177	16	3.5	0	24.1	37
17/06/2023 10:40	1.8	168	24	3.3	0	24.5	36
17/06/2023 10:50	2.7	176	17	4.3	0	24.6	35
17/06/2023 11:00	2.1	171	21	4.1	0	24.9	35
17/06/2023 11:10	3.3	178	10	5	0	25.2	33
17/06/2023 11:20	2.7	167	14	4.2	0	25.6	33
17/06/2023 11:30	2.2	156	20	4	0	25.6	33
17/06/2023 11:40	2.2	122	21	3.3	0	26	33
17/06/2023 11:50	2.1	102	16	2.9	0	25.5	36
17/06/2023 12:00	1.4	103	18	2.4	0	25.2	37
17/06/2023 12:10	1.3	90	14	2.1	0	25	36
17/06/2023 12:20	1.5	96	15	2.1	0	25.4	34
17/06/2023 12:30	2	83	14	2.6	0	25.4	33
17/06/2023 12:40	1.8	100	12	2.8	0	25.8	32
17/06/2023 12:50	1.5	139	21	2.1	0	26	31
17/06/2023 13:00	1.4	127	16	2.1	0	26	33
17/06/2023 13:10	1.7	102	14	2.5	0	25.9	32
17/06/2023 13:20	1.5	129	20	2.3	0	25.9	32
17/06/2023 13:30	1.5	97	14	2.2	0	25.9	32
17/06/2023 13:40	1.2	98	14	1.7	0	25.7	33
17/06/2023 13:50	1.2	98	12	1.9	0	25.5	34
17/06/2023 14:00	1.1	108	12	1.5	0	25	37
17/06/2023 14:10	1.2	110	14	1.6	0	24.6	40
17/06/2023 14:20	1.2	109	13	1.7	0	24.4	39
17/06/2023 14:30	1.3	110	12	1.8	0	24.3	39
17/06/2023 14:40	1	120	19	1.9	0	24.3	38
17/06/2023 14:50	1.3	116	15	2	0	24	39
17/06/2023 15:00	1.2	161	17	1.9	0	23.9	44
17/06/2023 15:10	1	155	17	1.8	0	23.8	46
17/06/2023 15:20	1.2	107	22	1.8	0	24	42
17/06/2023 15:30	0.9	58	14	1.3	0	23.6	52
17/06/2023 15:40	0.5	111	30	1	0	23.5	50
17/06/2023 15:50	1.2	147	15	1.9	0	24	37
17/06/2023 16:00	1.1	161	25	2.1	0	24.2	36
17/06/2023 16:10	1.5	166	18	2.4	0	24	35
17/06/2023 16:20	0.9	126	23	1.4	0	24.1	34
17/06/2023 16:30	1.2	116	17	2	0	23.8	35



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
17/06/2023 16:40	0.8	130	24	1.4	0	23.8	36
17/06/2023 16:50	1.1	80	20	1.9	0	23.4	41
17/06/2023 17:00	1	101	20	1.5	0	22.5	53
17/06/2023 17:10	0.4	119	37	0.8	0	22.6	46
17/06/2023 17:20	0.4	67	24	0.6	0	22.7	48
17/06/2023 17:30	0.7	52	9	1	0	22.4	51
17/06/2023 17:40	1.4	57	5	1.7	0	22.3	53
17/06/2023 17:50	1	78	10	1.4	0	22	60
17/06/2023 18:00	1.2	95	12	2	0	21.7	55
17/06/2023 18:10	1.3	73	14	1.9	0	21.7	53
17/06/2023 18:20	1.3	71	11	2.1	0	21.5	53
17/06/2023 18:30	1.4	98	13	2.1	0	21.4	56
17/06/2023 18:40	1.1	134	20	2.1	0	21.5	57
17/06/2023 18:50	1.1	150	19	2	0.1	21.6	50
17/06/2023 19:00	0.9	137	27	1.9	0	21.6	50
17/06/2023 19:10	1.9	88	10	2.9	0	20.9	59
17/06/2023 19:20	1.6	86	10	2.2	0	20.3	69
17/06/2023 19:30	1.2	166	24	2	0	20.2	68
17/06/2023 19:40	1.2	210	20	1.9	0	20.3	63
17/06/2023 19:50	1.5	187	18	2.4	0	20.3	62
17/06/2023 20:00	2.8	175	13	4.2	0	20.4	57
17/06/2023 20:10	2.6	180	15	4	0	20.1	60
17/06/2023 20:20	2.4	174	17	4.5	0.1	19.8	61
17/06/2023 20:30	2.4	158	18	4.6	0	19.7	62
17/06/2023 20:40	2.2	135	20	3.9	0	19.8	59
17/06/2023 20:50	2.3	135	15	4.3	0	19.7	64
17/06/2023 21:00	1.4	154	23	2.1	0	19.6	67
17/06/2023 21:10	1.7	183	20	2.9	0	19.6	68
17/06/2023 21:20	1.7	149	22	3.2	0	19.5	68
17/06/2023 21:30	2.3	154	22	4.5	0	19.7	63
17/06/2023 21:40	2.4	147	16	3.7	0	19.9	60
17/06/2023 21:50	2.3	138	19	4.1	0	19.9	59
17/06/2023 22:00	1.9	140	21	4.2	0	19.9	60
17/06/2023 22:10	1.9	125	25	3.6	0	19.8	61
17/06/2023 22:20	2.1	145	15	3.5	0	19.8	62
17/06/2023 22:30	1.9	145	16	3.1	0	19.8	61
17/06/2023 22:40	2.2	110	18	4.1	0	19.8	60
17/06/2023 22:50	2.3	117	21	4	0	19.9	61
17/06/2023 23:00	2.3	127	16	4.2	0	20	58
17/06/2023 23:10	2.6	147	14	4.3	0	20.1	56
17/06/2023 23:20	1.9	143	22	3.3	0	20.1	57
17/06/2023 23:30	2.3	146	16	3.8	0	20.2	57
17/06/2023 23:40	2.2	144	16	4.2	0	20.1	57
17/06/2023 23:50	1.6	173	17	2.9	0	20	59
18/06/2023 00:00	1.5	191	23	2.6	0	19.7	58
18/06/2023 00:10	1	177	23	1.6	0	19.6	59
18/06/2023 00:20	1.4	154	20	2.2	0	19.7	57
18/06/2023 00:30	1.2	106	18	1.8	0	19.8	56



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/06/2023 00:40	1.8	99	13	2.7	0	19.8	55
18/06/2023 00:50	2.4	105	11	3.9	0	19.7	58
18/06/2023 01:00	2.1	110	17	3.3	0	19.6	61
18/06/2023 01:10	2	127	20	3.8	0	19.8	61
18/06/2023 01:20	1.9	110	16	3	0	20	61
18/06/2023 01:30	1.9	125	26	3	0	20	61
18/06/2023 01:40	2.4	139	18	4	0	20.2	58
18/06/2023 01:50	1.6	131	25	3.2	0	20.3	56
18/06/2023 02:00	2	103	17	3.4	0	20.2	58
18/06/2023 02:10	1.7	120	17	3	0	20.2	59
18/06/2023 02:20	2.2	111	19	3.5	0	20.2	57
18/06/2023 02:30	2.2	107	16	3.6	0	20.3	60
18/06/2023 02:40	2.3	131	16	3.9	0	20.3	56
18/06/2023 02:50	1.5	105	20	2.8	0	20.3	55
18/06/2023 03:00	2.1	102	24	3.7	0	20.3	53
18/06/2023 03:10	2.3	105	13	4.2	0	20.2	53
18/06/2023 03:20	1.7	126	29	3.5	0	20.1	54
18/06/2023 03:30	3.4	96	9	4.9	0	20.2	54
18/06/2023 03:40	2.9	98	11	4.3	0	20	58
18/06/2023 03:50	2.8	109	12	4.2	0	20.1	59
18/06/2023 04:00	3.2	108	10	4.7	0	20.2	59
18/06/2023 04:10	3.2	106	11	4.6	0	20.3	57
18/06/2023 04:20	2.6	105	11	4.2	0	20.5	54
18/06/2023 04:30	2.5	110	11	3.8	0	20.5	56
18/06/2023 04:40	1.5	110	16	2.6	0	20.4	58
18/06/2023 04:50	2.6	107	9	3.6	0	20.3	59
18/06/2023 05:00	2.8	105	10	4.2	0	20.4	57
18/06/2023 05:10	3.2	110	11	4.8	0	20.5	55
18/06/2023 05:20	3.1	110	11	4.7	0	20.6	54
18/06/2023 05:30	3.4	108	10	4.9	0	20.5	54
18/06/2023 05:40	3.5	106	9	5.1	0	20.6	51
18/06/2023 05:50	3.3	107	11	5.4	0	20.6	53
18/06/2023 06:00	1.9	122	23	3.6	0	20.5	55
18/06/2023 06:10	3.2	108	11	4.9	0	20.3	54
18/06/2023 06:20	2.8	110	10	4.2	0	20.1	57
18/06/2023 06:30	3.4	113	10	4.9	0	20	59
18/06/2023 06:40	2.9	113	9	4	0	20	59
18/06/2023 06:50	2.3	106	11	3.6	0	20	59
18/06/2023 07:00	2.5	110	9	3.4	0	20	58
18/06/2023 07:10	2.6	95	7	3.3	0	20.1	58
18/06/2023 07:20	2.6	90	6	3.3	0	20.1	57
18/06/2023 07:30	2.7	98	7	3.8	0	20.5	55
18/06/2023 07:40	2.9	93	7	3.9	0	20.6	54
18/06/2023 07:50	3.2	96	6	4.2	0	20.9	51
18/06/2023 08:00	2.5	105	8	3.5	0	21.2	51
18/06/2023 08:10	2.3	106	10	3.6	0	21.4	50
18/06/2023 08:20	2.3	110	10	3.1	0	21.6	50
18/06/2023 08:30	2.1	106	11	3.2	0	21.7	51



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/06/2023 08:40	1.8	113	11	2.9	0	21.7	51
18/06/2023 08:50	1.9	143	13	2.9	0	21.7	49
18/06/2023 09:00	1.7	136	22	2.7	0	22	46
18/06/2023 09:10	1.3	132	21	2.8	0	22	46
18/06/2023 09:20	1.8	109	15	2.9	0	22	47
18/06/2023 09:30	2	120	18	3.1	0	21.9	48
18/06/2023 09:40	2.2	107	11	3.4	0	21.5	50
18/06/2023 09:50	2.4	104	12	3.5	0	21.4	53
18/06/2023 10:00	1.8	136	23	2.9	0	21.4	54
18/06/2023 10:10	1.8	151	17	3.1	0	21.4	52
18/06/2023 10:20	2.1	110	17	3.3	0	21.7	49
18/06/2023 10:30	1.7	126	20	2.9	0	22	49
18/06/2023 10:40	1.6	126	23	2.6	0	22.1	51
18/06/2023 10:50	1.7	115	20	2.9	0	22.3	51
18/06/2023 11:00	1.9	114	18	3.1	0	22.4	49
18/06/2023 11:10	1.3	138	24	2.6	0	22.5	44
18/06/2023 11:20	1.3	127	25	2.2	0	23	42
18/06/2023 11:30	1.7	142	20	3.1	0	23.7	37
18/06/2023 11:40	1.7	141	22	2.7	0	24.1	36
18/06/2023 11:50	2.3	131	15	4	0	24.6	34
18/06/2023 12:00	2.2	136	18	3.6	0	25.3	32
18/06/2023 12:10	3	136	15	4.5	0	24.8	31
18/06/2023 12:20	2.3	129	18	3.5	0	24.5	32
18/06/2023 12:30	2.1	116	21	3.9	0	24.5	32
18/06/2023 12:40	1.8	151	13	2.8	0	24.1	32
18/06/2023 12:50	1.5	154	17	2.4	0	23.9	32
18/06/2023 13:00	1.6	146	14	2.6	0	23.9	31
18/06/2023 13:10	1.5	157	14	2.4	0	23.9	32
18/06/2023 13:20	2.1	179	8	2.8	0	23.7	34
18/06/2023 13:30	1.5	135	26	2.5	0	23.9	33
18/06/2023 13:40	1.7	106	12	2.7	0	24.2	31
18/06/2023 13:50	2.1	91	11	2.9	0	24.1	32
18/06/2023 14:00	2.4	82	9	3.2	0	24.2	30
18/06/2023 14:10	2.7	88	10	3.9	0	24.4	30
18/06/2023 14:20	2.7	94	12	3.7	0	24.9	28
18/06/2023 14:30	3.2	56	8	4.5	0	24.6	31
18/06/2023 14:40	2.6	76	9	3.9	0	24.5	32
18/06/2023 14:50	1.7	104	15	2.7	0	24.9	34
18/06/2023 15:00	1.5	157	17	2.5	0	24.7	36
18/06/2023 15:10	1.2	140	18	2.1	0	24.7	38
18/06/2023 15:20	1.6	116	30	2.4	0	24.8	41
18/06/2023 15:30	1.9	127	18	3	0	24.5	41
18/06/2023 15:40	2.3	107	13	3.3	0	24.5	40
18/06/2023 15:50	2	104	10	3.1	0	24.4	40
18/06/2023 16:00	2.1	108	9	2.9	0	24.2	41
18/06/2023 16:10	2.4	100	9	3.2	0	24.1	41
18/06/2023 16:20	2.2	107	9	3	0	23.9	42
18/06/2023 16:30	2.3	105	9	3.3	0	23.7	44



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
18/06/2023 16:40	1.1	121	26	1.8	0	23.8	44
18/06/2023 16:50	0.8	130	20	1.3	0	23.6	44
18/06/2023 17:00	0.8	174	12	1.3	0	23.4	45
18/06/2023 17:10	1.9	134	14	3.2	0	23.5	43
18/06/2023 17:20	2.7	146	14	4.3	0	23.8	39
18/06/2023 17:30	2.7	151	16	4.7	0	23.9	39
18/06/2023 17:40	3.5	163	16	5.4	0	23	46
18/06/2023 17:50	3.4	145	18	6.4	0	22.6	48
18/06/2023 18:00	3.6	146	15	5.8	0	22.3	48
18/06/2023 18:10	3	148	20	5.4	0	22	50
18/06/2023 18:20	2.9	141	18	4.7	0	21.8	52
18/06/2023 18:30	3	141	15	4.9	0	21.7	53
18/06/2023 18:40	2.9	144	19	5.7	0	21.5	54
18/06/2023 18:50	2.6	141	17	4.3	0	21.5	53
18/06/2023 19:00	2.3	137	18	3.5	0	21.4	54
18/06/2023 19:10	2.6	142	19	5	0	21.2	55
18/06/2023 19:20	2.1	133	18	3.3	0	21	57
18/06/2023 19:30	1.6	126	23	2.6	0	20.9	57
18/06/2023 19:40	2.1	132	21	4	0	20.9	56
18/06/2023 19:50	2	141	20	3.5	0	20.9	56
18/06/2023 20:00	2.2	131	19	3.8	0	20.9	56
18/06/2023 20:10	2.2	134	24	4.3	0	20.8	57
18/06/2023 20:20	2.3	138	16	3.7	0	20.7	58
18/06/2023 20:30	2.2	136	21	3.7	0	20.7	58
18/06/2023 20:40	2.1	125	30	4.2	0	20.7	58
18/06/2023 20:50	2.9	132	19	5.3	0	20.7	58
18/06/2023 21:00	2.4	136	16	4.5	0	20.5	59
18/06/2023 21:10	2.1	144	18	3.3	0	20.4	59
18/06/2023 21:20	2.6	144	16	4.3	0	20.4	60
18/06/2023 21:30	2.3	162	26	3.8	0	20.3	62
18/06/2023 21:40	3.5	178	18	5.8	0	19.7	67
18/06/2023 21:50	3.4	176	19	5.5	0	19.3	70
18/06/2023 22:00	3.3	191	16	5	0	19	71
18/06/2023 22:10	3.3	165	27	6.1	0	18.7	73
18/06/2023 22:20	2	145	34	3.9	0	18.5	74
18/06/2023 22:30	1.9	161	33	3.7	0	18.4	75
18/06/2023 22:40	1.5	142	39	3.3	0	18.3	76
18/06/2023 22:50	1.5	151	62	4.1	0	18.3	76
18/06/2023 23:00	2.9	138	20	5.1	0	18.3	76
18/06/2023 23:10	3	143	16	4.5	0	18.2	76
18/06/2023 23:20	1.8	136	34	3.9	0	18.2	76
18/06/2023 23:30	1.6	136	41	3.1	0	18.2	75
18/06/2023 23:40	1.1	197	63	2.3	0	18.2	74
18/06/2023 23:50	1.1	116	47	2	0	18.2	73
19/06/2023 00:00	1.1	124	52	2.8	0.1	18.1	72
19/06/2023 00:10	1.4	118	65	3.9	0	18	71
19/06/2023 00:20	1.2	97	51	3.1	0	17.9	70
19/06/2023 00:30	1.4	73	56	3.7	0	17.9	68



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/06/2023 00:40	1.1	63	53	2.3	0	17.8	67
19/06/2023 00:50	2.2	137	33	4	0	17.8	66
19/06/2023 01:00	2	113	41	3.9	0.1	17.8	65
19/06/2023 01:10	1.6	111	35	2.9	0.1	17.8	63
19/06/2023 01:20	1.6	110	36	3.6	0	17.8	61
19/06/2023 01:30	1.5	133	40	3.3	0	17.9	59
19/06/2023 01:40	1.3	136	48	2.8	0	17.8	59
19/06/2023 01:50	1.4	130	38	3	0	17.8	58
19/06/2023 02:00	1.7	125	32	3.3	0	17.7	59
19/06/2023 02:10	1.6	139	50	3.6	0	17.7	59
19/06/2023 02:20	1	56	67	2.4	0	17.7	60
19/06/2023 02:30	0.9	85	39	2	0	17.7	60
19/06/2023 02:40	1.2	113	48	3.2	0	17.7	61
19/06/2023 02:50	0.9	82	47	2.2	0.1	17.7	61
19/06/2023 03:00	0.7	124	72	1.7	0	17.7	62
19/06/2023 03:10	1.5	97	49	3.4	0	17.7	62
19/06/2023 03:20	2.3	118	25	4	0	17.8	63
19/06/2023 03:30	4.3	108	12	7	0	17.9	62
19/06/2023 03:40	2.4	114	21	4.1	0	17.9	61
19/06/2023 03:50	4.9	105	10	6.8	0	17.8	62
19/06/2023 04:00	4.3	105	11	6.9	0	17.7	62
19/06/2023 04:10							
19/06/2023 04:20							
19/06/2023 04:30							
19/06/2023 04:40							
19/06/2023 04:50							
19/06/2023 05:00							
19/06/2023 05:10							
19/06/2023 05:20							
19/06/2023 05:30							
19/06/2023 05:40							
19/06/2023 05:50							
19/06/2023 06:00							
19/06/2023 06:10							
19/06/2023 06:20							
19/06/2023 06:30							
19/06/2023 06:40							
19/06/2023 06:50							
19/06/2023 07:00							
19/06/2023 07:10							
19/06/2023 07:20							
19/06/2023 07:30							
19/06/2023 07:40							
19/06/2023 07:50							
19/06/2023 08:00							
19/06/2023 08:10							
19/06/2023 08:20	2.7	132	23	4.4	0	17.3	52
19/06/2023 08:30	3.7	108	15	6.5	0	17.3	52



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/06/2023 08:40	3.1	116	19	5.9	0	17.4	52
19/06/2023 08:50	2.7	128	27	5.1	0.1	17.4	52
19/06/2023 09:00	3.5	113	18	6.2	0	17.3	52
19/06/2023 09:10	4.1	113	18	7.1	0	17.3	52
19/06/2023 09:20	2.4	128	26	4.8	0.1	17.5	52
19/06/2023 09:30	3	110	20	5.2	0	17.5	52
19/06/2023 09:40	2.7	121	24	5	0	17.6	53
19/06/2023 09:50	3.7	108	14	6	0	17.6	53
19/06/2023 10:00	4.9	106	11	7.4	0	17.6	54
19/06/2023 10:10	4	113	15	6.9	0	17.7	53
19/06/2023 10:20	3.8	140	17	5.6	0	17.7	53
19/06/2023 10:30	3.5	122	18	5.7	0	18	52
19/06/2023 10:40	3.7	138	21	6.4	0	18.1	54
19/06/2023 10:50	3.4	118	20	6.2	0	18.4	55
19/06/2023 11:00	5.1	110	14	7.6	0	18.4	58
19/06/2023 11:10	5	108	13	8.6	0	18.5	60
19/06/2023 11:20	5.1	108	12	7.6	0	18.7	63
19/06/2023 11:30	5.7	109	11	8.1	0	19.1	66
19/06/2023 11:40	5.4	107	11	8.4	0	19.7	69
19/06/2023 11:50	6	105	11	9.1	0	20	72
19/06/2023 12:00	5.9	108	11	9	0	19.6	72
19/06/2023 12:10	5.3	109	11	8.1	0	19.4	72
19/06/2023 12:20	5.1	106	10	7.5	0	19.4	72
19/06/2023 12:30	5.6	96	8	8	0	19.9	72
19/06/2023 12:40	5.9	100	9	8.5	0	20.1	73
19/06/2023 12:50	5.2	108	10	7.7	0	20.2	73
19/06/2023 13:00	5.2	107	11	7.5	0	20.1	73
19/06/2023 13:10	5	107	10	7.6	0	19.9	73
19/06/2023 13:20							
19/06/2023 13:30							
19/06/2023 13:40							
19/06/2023 13:50							
19/06/2023 14:00	5.2	87	10	7.1	0	19.9	72
19/06/2023 14:10	4.5	100	10	6.2	0	20.2	73
19/06/2023 14:20	4.8	107	10	7.1	0	20.6	73
19/06/2023 14:30	4.8	108	10	7.6	0	20.7	73
19/06/2023 14:40	5.2	105	10	7.4	0	20.7	73
19/06/2023 14:50	6	100	10	9.2	0	20.8	72
19/06/2023 15:00	5.4	98	8	7.9	0	20.9	72
19/06/2023 15:10	5.7	96	7	7.8	0	20.9	71
19/06/2023 15:20	5.6	95	7	7.8	0	20.8	71
19/06/2023 15:30	4.8	95	8	6.6	0	20.9	72
19/06/2023 15:40	4.5	94	7	6.6	0	20.9	73
19/06/2023 15:50	5.4	92	6	7.4	0	20.8	73
19/06/2023 16:00	5.5	95	8	7.9	0	20.9	71
19/06/2023 16:10	6.8	96	8	9.5	0.1	20.8	70
19/06/2023 16:20	6.4	96	6	8.2	0	20.9	69
19/06/2023 16:30	6.2	92	6	8.3	0	20.9	70



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
19/06/2023 16:40	5.3	88	8	7.3	0	20.9	69
19/06/2023 16:50	5.6	96	8	7.6	0	20.9	70
19/06/2023 17:00	5.3	93	6	7.2	0	21	69
19/06/2023 17:10	5.2	93	7	7.2	0	20.9	68
19/06/2023 17:20	5.3	93	6	7.3	0	20.9	67
19/06/2023 17:30	4.9	98	8	6.8	0	20.9	67
19/06/2023 17:40	4.6	102	11	6.6	0	20.9	67
19/06/2023 17:50	4.5	99	8	6.3	0	20.8	68
19/06/2023 18:00	4	96	8	5.4	0	20.9	68
19/06/2023 18:10	3.3	103	11	4.7	0	20.8	70
19/06/2023 18:20	4	108	9	6.1	0	20.4	73
19/06/2023 18:30	4.2	108	10	5.6	0	20.3	73
19/06/2023 18:40	3.9	105	11	5.6	0	20.2	73
19/06/2023 18:50	4.2	106	10	5.9	0	20.1	73
19/06/2023 19:00	4.7	107	11	6.8	0	20	73
19/06/2023 19:10	3.4	105	12	4.9	0	20.1	73
19/06/2023 19:20	3.3	105	12	4.8	0	20	73
19/06/2023 19:30	3.8	105	10	5.9	0	20	73
19/06/2023 19:40	3.2	105	8	4.9	0	20	73
19/06/2023 19:50	2.5	100	11	3.5	0	20	73
19/06/2023 20:00	3.1	101	11	4.5	0	20	73
19/06/2023 20:10	3	104	11	4.3	0	19.6	74
19/06/2023 20:20	3	108	13	4.5	0	19.2	75
19/06/2023 20:30	3.8	104	11	5.8	0.1	19.2	75
19/06/2023 20:40	4	103	11	6.1	0	19.1	75
19/06/2023 20:50	4.4	106	10	6.2	0	19	75
19/06/2023 21:00	4.9	107	11	7.5	0.1	18.8	75
19/06/2023 21:10	4.9	105	10	8.1	0	18.8	75
19/06/2023 21:20	5.1	101	10	7.1	0	19.1	75
19/06/2023 21:30	5.2	89	8	7.9	0.2	18.8	75
19/06/2023 21:40	5.2	97	10	7.7	0.2	18.3	73
19/06/2023 21:50	5.2	98	9	7.1	0.4	17.8	71
19/06/2023 22:00	5.5	100	9	9.1	0.2	17.5	66
19/06/2023 22:10	5.5	97	10	7.8	0.3	17.4	62
19/06/2023 22:20	5.4	98	11	7.7	0.2	17.4	57
19/06/2023 22:30	6.1	88	7	8.9	0.6	17.3	53
19/06/2023 22:40	7	96	7	9.7	0.5	17	50
19/06/2023 22:50	7.3	94	7	9.9	0.3	16.9	47
19/06/2023 23:00	6.7	93	8	8.7	0.1	16.8	45
19/06/2023 23:10	5.5	99	11	7.8	0.1	16.8	44
19/06/2023 23:20	4.9	98	10	7	0	16.7	43
19/06/2023 23:30	5.3	101	10	7.7	0.3	16.8	43
19/06/2023 23:40	5.4	105	11	9	0.2	16.8	42
19/06/2023 23:50	5	107	10	7.2	0	16.8	42
20/06/2023 00:00	5.4	107	10	7.8	0.2	16.8	41
20/06/2023 00:10	3	118	21	5.4	0.1	16.9	41
20/06/2023 00:20	5	105	13	7.7	0.1	16.9	40
20/06/2023 00:30	2.9	116	24	5.6	0.2	17	40





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/06/2023 00:40	2.8	136	25	5.4	1.1	16.9	39
20/06/2023 00:50	3.6	110	20	5.4	0.6	16.8	38
20/06/2023 01:00	3	125	22	5.9	0.7	16.8	38
20/06/2023 01:10	2.4	138	23	4.1	0.6	16.8	37
20/06/2023 01:20	3.9	117	16	6.6	0.9	16.7	36
20/06/2023 01:30	4.7	107	13	7.6	0.5	16.7	36
20/06/2023 01:40	4.2	110	14	8.1	0.5	16.7	35
20/06/2023 01:50	4.2	128	23	8.9	0.6	16.6	35
20/06/2023 02:00	3.6	152	19	6.7	0.3	16.6	35
20/06/2023 02:10	3.5	146	18	6.3	0	16.6	34
20/06/2023 02:20	3.6	147	16	6.2	1.5	16.7	34
20/06/2023 02:30	3.8	145	16	6.4	0.3	16.7	34
20/06/2023 02:40	3.4	139	23	6	0.5	16.6	33
20/06/2023 02:50	3.6	147	19	7.2	0.2	16.7	33
20/06/2023 03:00	3.7	152	19	7	0.3	16.6	33
20/06/2023 03:10	3.7	151	18	6.5	0.3	16.6	33
20/06/2023 03:20	3.2	141	27	7	0.5	16.5	33
20/06/2023 03:30	2.9	145	23	5.1	0.7	16.6	33
20/06/2023 03:40	3	142	26	6.6	0.7	16.5	33
20/06/2023 03:50	2.7	139	24	5.2	0.8	16.7	32
20/06/2023 04:00	2.7	189	30	6	0.3	16.9	32
20/06/2023 04:10	2.9	156	28	6.2	0.7	16.8	32
20/06/2023 04:20	2.2	172	43	5.1	0.4	16.9	32
20/06/2023 04:30	2.4	181	43	5.3	0.8	16.8	32
20/06/2023 04:40	2.8	248	25	4.4	0.5	16.9	32
20/06/2023 04:50	2.8	199	31	4	0.9	17.1	32
20/06/2023 05:00	4.3	65	8	5.5	2	17.2	32
20/06/2023 05:10	4.4	78	9	5.9	0.7	17.5	32
20/06/2023 05:20	4.6	79	7	6.3	0.2	17.7	32
20/06/2023 05:30	4	107	12	5.9	0.2	17.9	32
20/06/2023 05:40	4.2	89	10	6.1	0	18.1	32
20/06/2023 05:50	3.6	99	9	5.3	0.1	18.2	31
20/06/2023 06:00	4	98	10	5.9	0.3	18.2	31
20/06/2023 06:10	5.2	97	9	7.4	0.5	18.1	31
20/06/2023 06:20	3.7	102	10	5.6	0.4	18.1	31
20/06/2023 06:30	4.4	104	11	6.5	0.4	17.9	31
20/06/2023 06:40	4.4	102	10	7.1	0.4	17.9	31
20/06/2023 06:50	5.2	104	10	7.5	0.5	17.8	31
20/06/2023 07:00	4.4	107	10	6.9	0.6	17.7	31
20/06/2023 07:10	4.4	101	10	6.4	0.4	17.8	31
20/06/2023 07:20	4.8	104	10	7.1	0.1	17.7	31
20/06/2023 07:30	4.8	105	9	6.7	0.1	17.7	31
20/06/2023 07:40	5.2	102	9	7.8	0	17.8	31
20/06/2023 07:50	5	106	11	7.4	0	17.9	31
20/06/2023 08:00	4.5	108	11	6.5	0	18	31
20/06/2023 08:10	4.3	109	13	6.9	0	18	31
20/06/2023 08:20	2.6	151	16	3.9	0	18	30
20/06/2023 08:30	2.9	142	15	5	0	17.7	30



## Yara Pilbara Nitrates- Western Boundary 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/06/2023 08:40	2.4	139	23	4.5	0	17.7	30
20/06/2023 08:50	2	155	18	3.4	0	17.7	30
20/06/2023 09:00	2.5	157	19	4.1	0.2	17.7	30
20/06/2023 09:10	1.8	142	19	3.4	0	17.8	29
20/06/2023 09:20	2.5	141	17	3.6	0	17.7	29
20/06/2023 09:30	3.2	120	17	5	0	17.9	29
20/06/2023 09:40	2.8	136	19	5	0	18	29
20/06/2023 09:50	3	138	20	5.2	0	18	28
20/06/2023 10:00	3.1	143	15	4.9	0	18	28
20/06/2023 10:10	2.9	138	20	5.4	0	18.3	27
20/06/2023 10:20	3.3	137	17	5.1	0	18.3	27
20/06/2023 10:30	2.9	143	21	4.9	0	18.5	26
20/06/2023 10:40	3.1	127	21	6	0	18.8	26
20/06/2023 10:50	3.2	136	19	6.1	0	19	25
20/06/2023 11:00	2.3	124	21	4.3	0	19.3	25
20/06/2023 11:10	2.8	114	18	5	0	19.4	26
20/06/2023 11:20	3.3	114	18	5.8	0	19.4	27
20/06/2023 11:30	2.9	121	19	5.2	0	19.7	29
20/06/2023 11:40	3.1	109	15	4.8	0	19.7	31
20/06/2023 11:50	3.7	105	10	5.4	0	19.7	33
20/06/2023 12:00	3.5	101	10	5	0	19.8	34
20/06/2023 12:10	3.1	106	12	4.7	0	19.9	35
20/06/2023 12:20	3	115	16	4.9	0	20.2	36
20/06/2023 12:30	3	110	12	4.5	0	20.1	38
20/06/2023 12:40	3.3	114	17	4.7	0	20.3	40
20/06/2023 12:50	3.1	113	15	5.1	0	20.5	41
20/06/2023 13:00	3.4	105	12	5	0	20.8	45
20/06/2023 13:10	3.2	107	15	5	0	21.2	48
20/06/2023 13:20	2.9	120	19	4.3	0	21.8	53
20/06/2023 13:30	2.9	129	17	4.4	0	22	56
20/06/2023 13:40	2.9	111	17	4.5	0	22.2	58
20/06/2023 13:50	2.4	123	18	4.2	0	22.2	59
20/06/2023 14:00	2.4	120	19	3.9	0	21.8	57
20/06/2023 14:10	1.9	128	19	3	0	21.7	56
20/06/2023 14:20	2	136	22	2.9	0	21.3	55
20/06/2023 14:30	2	115	20	3.2	0	21.4	55
20/06/2023 14:40	1.8	105	24	2.9	0	21.7	57
20/06/2023 14:50	1.7	117	18	2.9	0	21.7	58
20/06/2023 15:00	1.4	110	20	2.1	0	21.8	59
20/06/2023 15:10	1.6	86	13	2.3	0	21.8	59
20/06/2023 15:20	1.6	97	14	2.4	0	21.8	59
20/06/2023 15:30	1.7	83	15	2.7	0	21.8	59
20/06/2023 15:40	1.3	90	18	2.2	0	21.9	59
20/06/2023 15:50	1.4	130	24	2.1	0	22	60
20/06/2023 16:00	1.4	97	17	2.3	0	22	60
20/06/2023 16:10	1.8	85	9	2.8	0	21.8	60
20/06/2023 16:20	1.8	82	10	2.4	0	21.8	59
20/06/2023 16:30	2.1	63	13	2.8	0	21.9	60



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
20/06/2023 16:40	2.3	61	11	2.9	0	22	60
20/06/2023 16:50	2	72	9	2.9	0	22	60
20/06/2023 17:00	1.8	64	10	2.5	0	21.9	59
20/06/2023 17:10	1.7	57	12	2.7	0	21.7	56
20/06/2023 17:20	2.5	53	6	3.4	0	21.3	54
20/06/2023 17:30	2.7	57	7	3.5	0	21.1	51
20/06/2023 17:40	2.3	58	7	3	0	20.8	47
20/06/2023 17:50	2.2	58	7	2.9	0	20.6	44
20/06/2023 18:00	2.6	52	7	3.4	0	20.5	42
20/06/2023 18:10	2.5	53	7	3.3	0	20.4	39
20/06/2023 18:20	2.1	52	6	2.9	0	20.3	37
20/06/2023 18:30	1.5	52	8	2.1	0	20.1	36
20/06/2023 18:40	1.1	51	8	1.5	0	20.1	35
20/06/2023 18:50	1.1	46	9	1.5	0	20	34
20/06/2023 19:00	1	45	8	1.4	0	20	34
20/06/2023 19:10	0.6	50	10	0.9	0	19.9	33
20/06/2023 19:20	0.2	52	40	0.5	0	19.8	33
20/06/2023 19:30	0.1	221	71	0.3	0	19.8	32
20/06/2023 19:40	0.3	96	45	0.5	0	19.8	32
20/06/2023 19:50	0.2	201	43	0.5	0	19.7	31
20/06/2023 20:00	0.9	263	8	1.2	0	19.8	31
20/06/2023 20:10	0.9	286	10	1.3	0	19.8	30
20/06/2023 20:20	0.4	39	40	0.8	0	19.8	30
20/06/2023 20:30	0.2	59	54	0.8	0	19.6	30
20/06/2023 20:40	0.2	197	44	0.4	0	19.3	30
20/06/2023 20:50	0.2	247	44	0.4	0	19.3	30
20/06/2023 21:00	0.4	244	13	0.6	0	19.3	29
20/06/2023 21:10	0.6	291	17	0.9	0	19.3	29
20/06/2023 21:20	1.1	264	7	1.3	0	19.4	29
20/06/2023 21:30	1.4	261	7	1.6	0	19.6	28
20/06/2023 21:40	1.5	261	4	1.7	0	19.5	28
20/06/2023 21:50	1.1	275	6	1.5	0	19.4	28
20/06/2023 22:00	1.1	271	6	1.4	0	19.4	28
20/06/2023 22:10	1.8	265	4	2.3	0	19.3	28
20/06/2023 22:20	2.2	263	4	2.3	0	19.3	28
20/06/2023 22:30	2.2	270	5	2.4	0	19.2	28
20/06/2023 22:40	2.3	271	3	2.6	0	19.3	28
20/06/2023 22:50	2.1	264	5	2.5	0	19.1	28
20/06/2023 23:00	1.9	272	7	2.1	0	19.1	28
20/06/2023 23:10	1.8	271	4	2	0	19.1	28
20/06/2023 23:20	1.9	269	3	2.2	0	19.1	28
20/06/2023 23:30	1.9	272	4	2.2	0	19.2	27
20/06/2023 23:40	1.6	274	5	1.9	0	19.1	27
20/06/2023 23:50	1.8	270	4	2	0	19.3	27
21/06/2023 00:00	2	273	5	2.3	0	19.3	27
21/06/2023 00:10	2.1	271	5	2.5	0	19.2	27
21/06/2023 00:20	1.8	277	5	2.1	0	19.2	27
21/06/2023 00:30	1.1	270	27	1.6	0	19.2	27



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/06/2023 00:40	0.8	236	21	1.1	0	19	27
21/06/2023 00:50	1.2	275	6	1.5	0	18.8	27
21/06/2023 01:00	2.1	274	4	2.4	0	19	27
21/06/2023 01:10	2.1	277	5	2.5	0	19.2	27
21/06/2023 01:20	2.2	270	5	2.7	0	19.2	27
21/06/2023 01:30	1.4	142	47	1.9	0	19	27
21/06/2023 01:40	0.7	54	38	1.1	0	18.7	27
21/06/2023 01:50	1	286	25	1.4	0	19	27
21/06/2023 02:00	0.7	290	49	1.3	0	18.9	27
21/06/2023 02:10	0.7	272	26	1.3	0	18.8	27
21/06/2023 02:20	0.4	341	46	0.8	0	19	28
21/06/2023 02:30	0.4	44	35	0.7	0	18.9	27
21/06/2023 02:40	0.4	61	24	0.6	0	18.7	27
21/06/2023 02:50	0.4	195	31	0.6	0	18.4	28
21/06/2023 03:00	1.3	246	6	1.6	0	18.1	28
21/06/2023 03:10	1.5	266	7	1.8	0	18.4	28
21/06/2023 03:20	0.9	256	21	1.4	0	18.6	28
21/06/2023 03:30	0.7	187	42	1.2	0	18.4	28
21/06/2023 03:40	0.9	38	16	1.2	0	18.1	28
21/06/2023 03:50	0.8	280	14	1.2	0	18.6	29
21/06/2023 04:00	1.3	250	8	1.6	0	18.7	29
21/06/2023 04:10	0.5	183	54	0.8	0	18.6	29
21/06/2023 04:20	0.5	50	11	0.8	0	18	29
21/06/2023 04:30	0.2	23	33	0.5	0	18.4	29
21/06/2023 04:40	0.4	332	33	0.6	0	18.6	29
21/06/2023 04:50	0.7	42	27	1.1	0	18.5	29
21/06/2023 05:00	0.8	75	26	1.3	0	18.2	29
21/06/2023 05:10	0.3	201	39	0.7	0	18.1	30
21/06/2023 05:20	0.3	337	57	0.5	0	18.1	30
21/06/2023 05:30	0.4	329	71	1.2	0	17.9	30
21/06/2023 05:40	0.7	169	22	1	0	17.9	31
21/06/2023 05:50	0.8	181	47	1.3	0	18.2	31
21/06/2023 06:00	0.9	44	31	1.8	0.1	18.3	31
21/06/2023 06:10	0.8	76	37	1.2	0	18.2	31
21/06/2023 06:20	1.1	57	8	1.5	0	18.2	31
21/06/2023 06:30	0.6	88	45	0.8	0	18	30
21/06/2023 06:40	1.3	228	13	2.2	0	18.1	30
21/06/2023 06:50	1.3	247	21	2.1	0	18.3	30
21/06/2023 07:00	1	10	46	1.7	0	18.4	30
21/06/2023 07:10	0.8	334	55	1.2	0	18.3	30
21/06/2023 07:20	0.9	125	50	1.5	0	18.3	29
21/06/2023 07:30	1.2	246	48	1.8	0	18.3	29
21/06/2023 07:40	0.8	180	59	1.6	0	18.2	28
21/06/2023 07:50	0.7	182	55	1.6	0	18	27
21/06/2023 08:00	0.8	201	44	2	0	18	26
21/06/2023 08:10	1.4	219	22	2.3	0	18	24
21/06/2023 08:20	1.1	223	42	2.2	0	18.4	25
21/06/2023 08:30	0.9	112	75	2.2	0	18.9	33



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/06/2023 08:40	0.9	206	82	2.4	0	19.5	43
21/06/2023 08:50	1.1	187	29	1.9	0	19.6	48
21/06/2023 09:00	1.2	163	35	3	0	19.8	50
21/06/2023 09:10	1.5	184	41	3.5	0	19.9	52
21/06/2023 09:20	2.9	172	17	4.5	0	19.6	52
21/06/2023 09:30	1.8	156	30	3.1	0	20.2	55
21/06/2023 09:40	2.1	147	17	3.7	0	20.6	58
21/06/2023 09:50	2.3	152	28	4.9	0	21	59
21/06/2023 10:00	2.3	148	30	5	0	21.1	60
21/06/2023 10:10	3.3	141	16	6.3	0	21.4	61
21/06/2023 10:20	3	144	18	5.5	0	21.7	61
21/06/2023 10:30	3.1	149	15	5.1	0	21.8	61
21/06/2023 10:40	3.4	144	13	4.7	0	22	61
21/06/2023 10:50	2.9	146	15	4.6	0	22.4	60
21/06/2023 11:00	2.7	137	21	4.3	0	22.8	58
21/06/2023 11:10	2.8	119	17	4.7	0	23.4	56
21/06/2023 11:20	3.3	106	13	5	0	23.4	55
21/06/2023 11:30	2.8	110	16	4.2	0	23.6	54
21/06/2023 11:40	3.1	113	15	4.6	0	23.7	53
21/06/2023 11:50	3.4	101	13	4.6	0	23.6	52
21/06/2023 12:00	2.8	109	17	4.5	0	24.3	51
21/06/2023 12:10	2.6	113	18	4.2	0	24.5	50
21/06/2023 12:20	3	107	18	4.5	0	25	48
21/06/2023 12:30	3	106	19	4.4	0	24.8	48
21/06/2023 12:40	2.7	115	16	3.9	0	24.9	47
21/06/2023 12:50	2.5	108	26	3.9	0	25	46
21/06/2023 13:00	2.6	99	25	3.7	0	25.1	46
21/06/2023 13:10	2.5	92	19	3.7	0	25.5	45
21/06/2023 13:20	2.4	92	17	3.3	0	25.5	46
21/06/2023 13:30	2	155	24	2.7	0	25.7	45
21/06/2023 13:40	1.5	169	46	3.3	0	25.8	45
21/06/2023 13:50	1.2	111	64	2.6	0	26.5	43
21/06/2023 14:00	2.8	264	21	5	0	25.9	47
21/06/2023 14:10	3.3	268	11	5	0	25.4	49
21/06/2023 14:20	2.3	290	19	3.6	0	25.5	47
21/06/2023 14:30	1.7	259	27	3	0	26	46
21/06/2023 14:40	1.8	193	31	4	0	25.9	45
21/06/2023 14:50	4.8	270	11	6.6	0	25.3	50
21/06/2023 15:00	5.6	272	9	7.7	0	24.6	50
21/06/2023 15:10	5.5	272	6	6.8	0	24.6	49
21/06/2023 15:20	5.9	272	7	7.3	0	24.4	49
21/06/2023 15:30	5.6	275	7	7.4	0	24.3	51
21/06/2023 15:40	5.1	273	8	6.8	0	24.3	53
21/06/2023 15:50	4.7	264	7	6.3	0	24.3	52
21/06/2023 16:00	6.2	264	7	8.4	0	23.8	53
21/06/2023 16:10	5.9	265	8	7.6	0	23.7	52
21/06/2023 16:20	6.2	268	6	7.9	0	23.6	54
21/06/2023 16:30	5.8	269	6	7.2	0	23.3	61



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
21/06/2023 16:40	6.1	267	6	7.2	0	23	62
21/06/2023 16:50	5.2	265	8	8	0	23	61
21/06/2023 17:00	6.1	267	6	7.7	0	22.9	60
21/06/2023 17:10	5.7	269	6	7.7	0	22.7	61
21/06/2023 17:20	5	269	6	7.1	0	22.3	61
21/06/2023 17:30	5.4	265	7	7.4	0	22	63
21/06/2023 17:40	4.8	262	7	6.2	0	21.7	64
21/06/2023 17:50	4.5	267	6	6.4	0	21.6	64
21/06/2023 18:00	4.5	269	5	6.4	0	21.5	64
21/06/2023 18:10	4.2	269	4	5.2	0	21.3	65
21/06/2023 18:20	3.5	276	4	4.4	0	21.2	65
21/06/2023 18:30	3.3	279	5	4.2	0	21.1	65
21/06/2023 18:40	3.3	279	5	4	0	21	65
21/06/2023 18:50	2.8	270	5	3.6	0	20.9	65
21/06/2023 19:00	2.1	272	5	3	0	20.6	64
21/06/2023 19:10	2.7	273	3	3.6	0	20.5	64
21/06/2023 19:20	2.8	272	3	3.3	0	20.3	63
21/06/2023 19:30	2.6	261	3	3.3	0	20.2	61
21/06/2023 19:40	2.4	254	4	2.8	0	20.1	59
21/06/2023 19:50	2.5	261	2	2.8	0	19.9	57
21/06/2023 20:00	2.9	264	2	3.2	0	19.9	55
21/06/2023 20:10	3.3	264	2	3.7	0	19.8	54
21/06/2023 20:20	3.3	261	8	4.2	0	19.7	60
21/06/2023 20:30	3.6	232	11	5.2	0	20.3	61
21/06/2023 20:40	4.4	228	7	5.7	0	20.9	55
21/06/2023 20:50	4.7	227	7	6.4	0	20.9	55
21/06/2023 21:00	4.6	228	7	6.1	0	20.7	55
21/06/2023 21:10	4.8	224	7	6.2	0	20.5	54
21/06/2023 21:20	4.8	223	9	6.4	0	20.4	53
21/06/2023 21:30	4.6	222	8	6.3	0	20.3	53
21/06/2023 21:40	4.1	213	8	5.8	0	20.2	53
21/06/2023 21:50	4.2	204	9	5.7	0	20.1	53
21/06/2023 22:00	3.8	189	11	5.5	0	19.9	53
21/06/2023 22:10	3.2	189	12	5.4	0	19.4	55
21/06/2023 22:20	3.1	188	12	5.1	0	19	56
21/06/2023 22:30	3.1	190	11	4.8	0	18.8	57
21/06/2023 22:40	3	188	13	4.6	0	18.7	56
21/06/2023 22:50	2.6	183	13	4.3	0	18.7	55
21/06/2023 23:00	2.3	182	16	4.3	0	18.6	55
21/06/2023 23:10	2.8	188	14	4.4	0	18.5	55
21/06/2023 23:20	2.7	174	18	4.7	0	18.7	53
21/06/2023 23:30	3.2	175	11	4.8	0	18.8	52
21/06/2023 23:40	3	172	15	5.3	0	18.7	51
21/06/2023 23:50	2.7	173	18	4.8	0	18.6	51
22/06/2023 00:00	2.9	178	12	5	0	18.3	52
22/06/2023 00:10	3	172	16	5.2	0	18.4	50
22/06/2023 00:20	2.6	168	27	5.1	0	18.5	48
22/06/2023 00:30	3.1	179	15	4.8	0	18.4	49



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/06/2023 00:40	3.2	181	11	5.4	0	18.1	51
22/06/2023 00:50	1.5	158	49	3.3	0	17.9	50
22/06/2023 01:00	0.9	126	61	2.1	0	17.8	50
22/06/2023 01:10	0.8	158	51	1.8	0	17.5	50
22/06/2023 01:20	0.8	131	58	2.2	0	17.4	50
22/06/2023 01:30	1.3	85	26	2.3	0	17.4	50
22/06/2023 01:40	1.4	85	22	2.7	0	17.1	51
22/06/2023 01:50	1.3	87	20	2.1	0	17	51
22/06/2023 02:00	1	107	28	2.1	0	16.7	52
22/06/2023 02:10	1	98	36	2.2	0	16.9	51
22/06/2023 02:20	1.6	85	15	2.6	0	16.9	51
22/06/2023 02:30	1.8	93	11	2.6	0	16.5	54
22/06/2023 02:40	1.7	105	13	2.9	0	16.2	57
22/06/2023 02:50	2.1	102	11	3.4	0	16.3	58
22/06/2023 03:00	2.6	109	15	4.4	0	17.1	53
22/06/2023 03:10	1.8	114	18	3.1	0	17.2	52
22/06/2023 03:20	2.6	105	12	4	0	17.2	54
22/06/2023 03:30	3.2	107	13	5.3	0	17.5	51
22/06/2023 03:40	2.5	108	13	3.9	0	17.5	52
22/06/2023 03:50	2.6	110	14	4.2	0	17.3	53
22/06/2023 04:00	2.1	113	17	3.3	0	17.1	54
22/06/2023 04:10	2.1	112	18	3.6	0	16.9	54
22/06/2023 04:20	2	107	16	3.5	0	16.9	54
22/06/2023 04:30	2.2	120	13	3.8	0	16.9	54
22/06/2023 04:40	2	126	19	3.3	0	16.7	54
22/06/2023 04:50	1.9	123	19	3.9	0	16.6	53
22/06/2023 05:00	1.7	123	24	3.4	0	16.6	53
22/06/2023 05:10	1.6	120	18	3	0	16.5	54
22/06/2023 05:20	1.9	124	18	3.3	0	16.3	56
22/06/2023 05:30	2.1	122	17	3.7	0	16.2	56
22/06/2023 05:40	1.9	117	13	3.1	0	16.1	58
22/06/2023 05:50	2	121	18	3.4	0	16	58
22/06/2023 06:00	1.7	115	17	2.8	0	15.9	57
22/06/2023 06:10	2.1	117	14	3.5	0	15.8	56
22/06/2023 06:20	2	117	16	3.1	0	15.7	59
22/06/2023 06:30	2.5	115	14	3.9	0	15.6	61
22/06/2023 06:40	2.5	116	14	3.8	0	15.6	62
22/06/2023 06:50	2.6	117	13	4	0	15.5	63
22/06/2023 07:00	2.6	117	12	4.2	0	15.5	63
22/06/2023 07:10	2.8	105	11	4.3	0	15.5	63
22/06/2023 07:20	2.8	102	12	4.2	0	14.9	66
22/06/2023 07:30	4.4	98	12	6.6	0	15.9	60
22/06/2023 07:40	5.7	94	8	7.9	0	17.2	51
22/06/2023 07:50	5.3	97	8	7.2	0	17.4	50
22/06/2023 08:00	5.4	103	11	7.6	0	17.5	50
22/06/2023 08:10	5.2	105	10	7.5	0	17.7	49
22/06/2023 08:20	5.8	100	11	8.3	0	17.8	49
22/06/2023 08:30	5.2	102	10	7.3	0	17.8	49



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/06/2023 08:40	5.6	97	9	7.2	0	17.9	50
22/06/2023 08:50	5.7	99	10	8.4	0	18	49
22/06/2023 09:00	5.8	100	10	8.2	0	18.2	49
22/06/2023 09:10	6.9	94	8	10.2	0	18.4	49
22/06/2023 09:20	7.2	94	7	10	0	18.5	48
22/06/2023 09:30	7.2	98	9	9.8	0	18.6	47
22/06/2023 09:40	7.3	95	7	9.7	0	18.6	48
22/06/2023 09:50	6.3	99	11	8.9	0	18.9	48
22/06/2023 10:00	6.3	95	8	9.3	0	19.1	48
22/06/2023 10:10	6	95	9	8.1	0	19.4	49
22/06/2023 10:20	6.7	102	8	9.6	0	19.3	48
22/06/2023 10:30	6.1	100	11	8.6	0	19.5	47
22/06/2023 10:40	5.6	104	10	8	0	19.6	48
22/06/2023 10:50	5.3	105	10	7.8	0	19.9	48
22/06/2023 11:00	6.2	106	9	9.1	0	20	46
22/06/2023 11:10	5.7	104	11	8.8	0	20.2	46
22/06/2023 11:20	5.8	104	12	8.2	0	20.5	46
22/06/2023 11:30	5.6	105	12	8	0	20.6	46
22/06/2023 11:40	5.7	104	11	7.7	0	20.9	45
22/06/2023 11:50	5.9	97	11	8.4	0	21	45
22/06/2023 12:00	5.5	102	12	7.9	0	21.2	46
22/06/2023 12:10	5.9	96	9	8.4	0	21.4	45
22/06/2023 12:20	5.7	95	11	7.8	0	21.5	44
22/06/2023 12:30	5.3	95	10	7.5	0	21.7	44
22/06/2023 12:40	5.4	91	8	7.6	0	21.9	44
22/06/2023 12:50	4.9	101	10	7.3	0	22.2	43
22/06/2023 13:00	5.7	94	9	7.3	0	22.2	43
22/06/2023 13:10	5.6	88	10	7.9	0	22.2	45
22/06/2023 13:20	5.8	83	9	7.9	0	22.2	47
22/06/2023 13:30	5.6	83	12	7.7	0	22.3	46
22/06/2023 13:40	6	73	6	7.9	0	21.8	47
22/06/2023 13:50	5.7	76	10	7.7	0	22.1	46
22/06/2023 14:00	5.8	72	7	7.5	0	22	46
22/06/2023 14:10	5.8	72	6	7.4	0	21.9	47
22/06/2023 14:20	5.9	81	9	7.7	0	22.1	46
22/06/2023 14:30	5.9	81	10	7.9	0	22.5	46
22/06/2023 14:40	5.7	83	9	7.7	0	22.5	45
22/06/2023 14:50	5.5	82	11	7.4	0	22.4	46
22/06/2023 15:00	5.4	82	9	7.1	0	22.5	46
22/06/2023 15:10	5.4	75	9	7.2	0	22.4	47
22/06/2023 15:20	5	74	10	6.5	0	22.6	47
22/06/2023 15:30	5.1	74	8	7	0	22.5	46
22/06/2023 15:40	4.8	71	10	6.4	0	22.6	46
22/06/2023 15:50	4.4	73	9	6.2	0	22.7	45
22/06/2023 16:00	4.5	63	8	6.4	0	22.5	46
22/06/2023 16:10	4.6	56	9	5.8	0	22.5	47
22/06/2023 16:20	4.3	63	10	5.9	0	22.4	47
22/06/2023 16:30	4.5	54	8	5.6	0	22.3	48





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
22/06/2023 16:40	3.8	52	8	5.3	0	22.3	48
22/06/2023 16:50	3.9	55	8	5.1	0	22.1	49
22/06/2023 17:00	3.4	52	7	4.7	0	21.9	50
22/06/2023 17:10	3.5	52	7	4.6	0	21.7	51
22/06/2023 17:20	3.1	49	7	4.2	0	21.1	53
22/06/2023 17:30	2.8	49	6	3.7	0	20.4	56
22/06/2023 17:40	2.8	43	6	3.6	0	20	58
22/06/2023 17:50	2.5	40	5	3.4	0	19.7	59
22/06/2023 18:00	2.4	40	5	3	0	19.6	60
22/06/2023 18:10	2.1	38	4	2.8	0	19.5	60
22/06/2023 18:20	2.1	41	3	2.5	0	19.4	60
22/06/2023 18:30	0.9	37	23	1.5	0	19.1	61
22/06/2023 18:40	0.8	266	27	1.3	0	18.9	63
22/06/2023 18:50	0.4	249	46	0.7	0	18.9	63
22/06/2023 19:00	0.4	130	47	1	0	19	62
22/06/2023 19:10	0.4	205	13	0.5	0	18.6	65
22/06/2023 19:20	0.6	258	9	0.8	0	18.5	64
22/06/2023 19:30	1.8	270	6	2.5	0	18.8	63
22/06/2023 19:40	2.3	252	4	2.6	0	18.3	65
22/06/2023 19:50	2.4	263	6	3.2	0	18.1	66
22/06/2023 20:00	3	256	10	4.1	0	17.9	67
22/06/2023 20:10	2.4	251	12	4.2	0	18.3	67
22/06/2023 20:20	3.1	259	9	3.9	0	18.1	68
22/06/2023 20:30	2.9	256	5	3.3	0	17.7	67
22/06/2023 20:40	2.8	262	5	3.6	0	17.4	67
22/06/2023 20:50	2.9	267	6	3.6	0	17.3	66
22/06/2023 21:00	2.7	266	8	3.5	0	17.3	66
22/06/2023 21:10	2.9	268	7	3.5	0	17.3	66
22/06/2023 21:20	3.2	269	6	3.8	0	17.1	66
22/06/2023 21:30	3.3	270	5	3.8	0	17	67
22/06/2023 21:40	3.2	272	4	4	0	16.9	67
22/06/2023 21:50	3.1	275	3	3.4	0	16.8	67
22/06/2023 22:00	3.1	275	4	3.5	0	17	67
22/06/2023 22:10	3.1	274	4	3.6	0	16.9	67
22/06/2023 22:20	2.9	274	5	3.3	0	16.9	67
22/06/2023 22:30	3.1	273	5	3.5	0	16.8	67
22/06/2023 22:40	3.1	274	5	3.7	0	16.8	67
22/06/2023 22:50	3.2	274	5	3.8	0	16.9	67
22/06/2023 23:00	3.3	272	5	3.9	0	16.9	67
22/06/2023 23:10	3.4	268	4	3.8	0	16.6	67
22/06/2023 23:20	3.3	266	3	3.8	0	16.5	67
22/06/2023 23:30	3.2	267	4	3.6	0	16.5	67
22/06/2023 23:40	3.2	266	4	3.6	0	16.4	67
22/06/2023 23:50	3.2	261	5	3.9	0	16.4	67
23/06/2023 00:00	3.3	264	4	4	0	16.4	68
23/06/2023 00:10	2.9	272	6	3.6	0	16.6	68
23/06/2023 00:20	3.1	271	5	3.6	0	16.7	68
23/06/2023 00:30	3.1	265	7	3.9	0	16.7	68



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/06/2023 00:40	3.1	263	5	3.7	0	16.6	69
23/06/2023 00:50	3	264	4	3.2	0	16.3	69
23/06/2023 01:00	2.5	264	6	3.1	0	16.2	69
23/06/2023 01:10	2.2	262	7	2.8	0	16.2	68
23/06/2023 01:20	1.6	280	11	2.1	0	16.2	68
23/06/2023 01:30	1.4	282	11	2.1	0	16.5	68
23/06/2023 01:40	1.1	272	9	1.5	0	16.5	68
23/06/2023 01:50	1.3	278	7	2.1	0	16.3	69
23/06/2023 02:00	1.8	267	4	2.1	0	16.3	69
23/06/2023 02:10	2.1	268	2	2.4	0	15.9	69
23/06/2023 02:20	1.7	270	4	2	0	15.6	68
23/06/2023 02:30	1.6	272	5	2	0	15.5	68
23/06/2023 02:40	1.9	280	5	2.3	0	15.6	67
23/06/2023 02:50	1.7	280	4	2.1	0	16	67
23/06/2023 03:00	1.6	292	6	1.9	0	15.8	67
23/06/2023 03:10	1.2	276	16	1.7	0	15.4	66
23/06/2023 03:20	1.5	242	6	2.1	0	14.5	63
23/06/2023 03:30	0.9	245	9	1.2	0	13.9	56
23/06/2023 03:40	1.4	268	7	1.7	0	14.1	51
23/06/2023 03:50	2	260	7	2.8	0	14.7	52
23/06/2023 04:00	2.2	260	8	3	0	15	56
23/06/2023 04:10	1.9	270	5	2.4	0	14.9	58
23/06/2023 04:20	1.7	269	5	2.2	0	14.7	59
23/06/2023 04:30	0.7	265	16	1.1	0	14.4	58
23/06/2023 04:40	0.6	262	17	0.9	0	14.6	59
23/06/2023 04:50	0.7	100	23	1.1	0	14.1	58
23/06/2023 05:00	1.7	61	7	2.1	0	13.6	57
23/06/2023 05:10	1.4	58	9	1.7	0	13.9	55
23/06/2023 05:20	1.3	45	8	1.8	0	14.6	55
23/06/2023 05:30	1.4	46	6	1.9	0	14.2	55
23/06/2023 05:40	1.3	44	5	1.7	0	14.2	52
23/06/2023 05:50	1.3	51	5	1.6	0	14.1	51
23/06/2023 06:00	1.6	50	7	2.1	0	14.4	48
23/06/2023 06:10	1.7	56	5	2.2	0	14.5	48
23/06/2023 06:20	1.6	61	8	2	0	14	50
23/06/2023 06:30	1.7	59	8	2.2	0	13.9	48
23/06/2023 06:40	1.7	58	6	2	0	14.3	48
23/06/2023 06:50	1.3	56	7	1.6	0	14.3	49
23/06/2023 07:00	1.5	68	9	1.9	0	14.2	50
23/06/2023 07:10	2	77	7	3	0	14.3	50
23/06/2023 07:20	2.6	87	7	3.5	0	14.9	50
23/06/2023 07:30	3.9	91	6	5.4	0	16.5	61
23/06/2023 07:40	4	93	5	5.7	0	17.5	65
23/06/2023 07:50	4.7	91	6	6.4	0	18	64
23/06/2023 08:00	4.9	95	7	6.7	0	18.3	62
23/06/2023 08:10	4.8	95	7	6.9	0	18.7	60
23/06/2023 08:20	4.9	97	8	6.6	0	18.9	59
23/06/2023 08:30	5.3	100	9	7.1	0	19.2	58



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/06/2023 08:40	5.1	103	10	7.5	0	19.3	57
23/06/2023 08:50	5	103	9	7.3	0	19.5	55
23/06/2023 09:00	5.6	103	9	8	0	19.7	52
23/06/2023 09:10	6.4	101	8	8.7	0	19.7	49
23/06/2023 09:20	5.8	105	11	8	0	19.9	49
23/06/2023 09:30	6	104	11	8.7	0	19.9	49
23/06/2023 09:40	6.3	101	10	9.1	0	19.9	49
23/06/2023 09:50	6.6	101	9	9.3	0	20	48
23/06/2023 10:00	7	96	7	9.5	0	19.9	48
23/06/2023 10:10	6.1	100	9	8.7	0	19.9	49
23/06/2023 10:20	6.2	99	9	8.8	0	20	50
23/06/2023 10:30	6	94	11	8.9	0	20.1	50
23/06/2023 10:40	5.9	88	9	8.2	0	20.3	49
23/06/2023 10:50	6.1	82	11	8.1	0	20.2	49
23/06/2023 11:00	6.5	79	10	8.7	0	20	51
23/06/2023 11:10	6.4	79	8	8.2	0	20	53
23/06/2023 11:20	6.2	87	10	9.1	0	20.3	53
23/06/2023 11:30	6.4	80	10	8.8	0	20.2	53
23/06/2023 11:40	6.2	74	10	8.4	0	20.3	54
23/06/2023 11:50	5.8	87	10	8.1	0	20.5	55
23/06/2023 12:00	5.6	86	10	7.8	0	20.6	55
23/06/2023 12:10	5.7	81	11	8.1	0	20.6	55
23/06/2023 12:20	5.4	76	12	7.4	0	20.8	55
23/06/2023 12:30	5.1	82	11	6.9	0	20.8	55
23/06/2023 12:40	4.6	89	12	6.3	0	21	55
23/06/2023 12:50	5.4	82	12	7.5	0	20.9	51
23/06/2023 13:00	5.2	88	9	6.9	0	21.1	51
23/06/2023 13:10	4.8	79	14	6.4	0	21.2	51
23/06/2023 13:20	5.4	74	10	7.4	0	21	50
23/06/2023 13:30	5.5	74	7	6.8	0	20.8	51
23/06/2023 13:40	5.6	78	8	7.1	0	21	51
23/06/2023 13:50	5.1	77	7	6.7	0	20.8	50
23/06/2023 14:00	4.9	83	8	6.7	0	21.1	49
23/06/2023 14:10	4.7	90	8	6.5	0	21.5	46
23/06/2023 14:20	4.9	85	8	6.4	0	21.4	45
23/06/2023 14:30	4.8	82	12	6.4	0	21.2	45
23/06/2023 14:40	3.9	78	15	5.9	0	21.7	42
23/06/2023 14:50	4.3	62	10	5.9	0	21.9	41
23/06/2023 15:00	4.1	51	9	5.6	0	21.8	42
23/06/2023 15:10	4.3	60	10	5.3	0	21.7	40
23/06/2023 15:20	3.8	56	11	5.6	0	21.8	44
23/06/2023 15:30	4.1	61	12	5.4	0	21.8	43
23/06/2023 15:40	3.9	55	8	5.4	0	21.7	42
23/06/2023 15:50	3.2	59	10	4.4	0	21.9	39
23/06/2023 16:00	3.1	59	10	4.1	0	22	40
23/06/2023 16:10	2.4	55	9	3	0	22.2	38
23/06/2023 16:20	2.1	56	10	3	0	22.5	37
23/06/2023 16:30	2.1	61	13	2.8	0	22.6	37



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
23/06/2023 16:40	1.9	63	14	2.7	0	22.6	38
23/06/2023 16:50	1.7	49	11	2.4	0	22.4	40
23/06/2023 17:00	1.3	180	23	2	0	22.5	39
23/06/2023 17:10	1.7	329	23	2.5	0	22.4	39
23/06/2023 17:20	1.4	333	23	2.1	0	21.6	41
23/06/2023 17:30	2	322	9	2.7	0	20.8	44
23/06/2023 17:40	2.3	332	8	3	0	20.6	46
23/06/2023 17:50	1.9	337	9	2.8	0	20.4	49
23/06/2023 18:00	1.2	324	12	1.8	0	20.1	50
23/06/2023 18:10	1.5	325	11	2.2	0	20.1	50
23/06/2023 18:20	1.4	293	14	1.8	0	19.8	51
23/06/2023 18:30	1.7	290	7	2	0	19.6	52
23/06/2023 18:40	1.8	309	7	2.5	0	19.8	52
23/06/2023 18:50	2	300	10	2.9	0	19.9	51
23/06/2023 19:00	1.3	304	9	2	0	19.8	51
23/06/2023 19:10	1.6	289	7	2.2	0	19.6	52
23/06/2023 19:20	1.3	290	13	2.1	0	19.3	54
23/06/2023 19:30	1	299	13	1.4	0	19.1	55
23/06/2023 19:40	1.1	302	8	1.4	0	18.8	58
23/06/2023 19:50	1.2	287	11	1.6	0	17.9	62
23/06/2023 20:00	1.2	276	14	1.7	0	17.9	62
23/06/2023 20:10	1.4	272	5	1.6	0	18.2	59
23/06/2023 20:20	1.3	263	7	1.4	0	18.6	58
23/06/2023 20:30	1.2	264	6	1.5	0	18.3	59
23/06/2023 20:40	1.1	260	10	1.4	0	18.2	61
23/06/2023 20:50	1.4	284	8	1.6	0	18.2	61
23/06/2023 21:00	1.3	276	9	1.5	0	17.9	63
23/06/2023 21:10	1.7	266	7	2	0	17.6	64
23/06/2023 21:20	2.2	263	5	2.5	0	17.2	65
23/06/2023 21:30	2.4	263	4	2.6	0	17.2	66
23/06/2023 21:40	2.2	262	4	2.7	0	17.3	66
23/06/2023 21:50	2	264	4	2.4	0	17.4	66
23/06/2023 22:00	2	270	3	2.2	0	17.5	66
23/06/2023 22:10	1.6	277	6	1.9	0	17.5	66
23/06/2023 22:20	1.5	280	6	1.7	0	17.8	65
23/06/2023 22:30	1.6	273	6	1.9	0	17.3	66
23/06/2023 22:40	1.6	262	6	1.8	0	16.9	67
23/06/2023 22:50	1	249	8	1.4	0	16.6	68
23/06/2023 23:00	1.2	261	4	1.4	0	16.1	67
23/06/2023 23:10	1.8	258	4	2.1	0	16	67
23/06/2023 23:20	1.9	272	3	2.2	0	16.1	67
23/06/2023 23:30	2.3	269	3	2.6	0	16.3	66
23/06/2023 23:40	2.2	270	4	2.6	0	16.5	67
23/06/2023 23:50	2.5	271	4	2.8	0	16.5	67
24/06/2023 00:00	2.3	275	4	2.8	0	16.3	67
24/06/2023 00:10	2	277	5	2.5	0	16.3	67
24/06/2023 00:20	1.8	272	4	2.3	0	16.3	67
24/06/2023 00:30	1.3	263	6	1.7	0	16.2	67



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/06/2023 00:40	1.3	249	6	1.6	0	15.9	67
24/06/2023 00:50	1.2	264	6	1.5	0	15.2	65
24/06/2023 01:00	1.8	277	3	2.2	0	15.5	63
24/06/2023 01:10	2.3	271	3	2.6	0	15.8	64
24/06/2023 01:20	2.5	263	2	2.7	0	15.9	64
24/06/2023 01:30	2.5	258	3	2.7	0	15.8	64
24/06/2023 01:40	2.3	258	2	2.6	0	15.9	63
24/06/2023 01:50	2.5	256	3	2.8	0	15.8	63
24/06/2023 02:00	2.3	254	2	2.9	0	16	63
24/06/2023 02:10	2.3	259	3	2.7	0	15.8	63
24/06/2023 02:20	2.5	260	3	2.8	0	15.5	61
24/06/2023 02:30	2.3	265	3	2.6	0	15.5	58
24/06/2023 02:40	2.2	266	3	2.5	0	15.7	58
24/06/2023 02:50	2.2	262	2	2.4	0	15.4	57
24/06/2023 03:00	2.1	262	3	2.3	0	15.2	54
24/06/2023 03:10	1.7	267	4	1.9	0	15.4	53
24/06/2023 03:20	1.6	265	4	1.8	0	15.6	53
24/06/2023 03:30	1.4	261	4	1.6	0	15.5	53
24/06/2023 03:40	1.7	253	6	2	0	15.7	52
24/06/2023 03:50	1.3	249	8	1.8	0	15.3	50
24/06/2023 04:00	1.5	270	6	1.8	0	15.1	48
24/06/2023 04:10	1	270	9	1.5	0	14.9	47
24/06/2023 04:20	0.4	219	35	0.9	0	14.8	47
24/06/2023 04:30	0.9	152	29	2	0	14.5	51
24/06/2023 04:40	1	176	28	1.9	0	15	60
24/06/2023 04:50	0.4	14	26	0.7	0	15	64
24/06/2023 05:00	0.9	57	20	1.8	0	14.6	65
24/06/2023 05:10	1.3	98	20	2.3	0	14.4	66
24/06/2023 05:20	1.7	107	14	3	0	15	66
24/06/2023 05:30	2.2	113	14	3.4	0	15.2	66
24/06/2023 05:40	2.5	111	9	3.2	0	15.3	66
24/06/2023 05:50	1.7	104	12	2.5	0	15	66
24/06/2023 06:00	1.4	77	13	2.2	0	14.8	66
24/06/2023 06:10	1.3	62	14	2	0	14.8	65
24/06/2023 06:20	1.5	56	19	2.4	0	14.8	65
24/06/2023 06:30	1.5	51	16	2.6	0	14.8	64
24/06/2023 06:40	2.2	76	21	4	0	14.7	62
24/06/2023 06:50	2.8	108	13	4.5	0	15.2	63
24/06/2023 07:00	2.6	106	12	4.4	0	14.9	63
24/06/2023 07:10	2.7	112	9	4	0	15.3	64
24/06/2023 07:20	2	105	12	2.8	0	15.5	65
24/06/2023 07:30	1.7	99	9	2.1	0	15.2	63
24/06/2023 07:40	1.8	97	6	2.3	0	15.4	61
24/06/2023 07:50	1.7	96	8	2.6	0	15.8	62
24/06/2023 08:00	2.3	101	10	3.5	0	16.5	65
24/06/2023 08:10	3.6	94	7	4.8	0	17.3	64
24/06/2023 08:20	2.5	105	15	3.9	0	17.8	62
24/06/2023 08:30	1.7	122	21	2.9	0	18	62



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/06/2023 08:40	2.8	114	17	5.2	0	18.5	58
24/06/2023 08:50	4.5	107	13	6.8	0	18.7	54
24/06/2023 09:00	5.1	109	12	7.8	0	18.8	52
24/06/2023 09:10	4.9	105	11	7.7	0	19	52
24/06/2023 09:20	5.2	108	10	7.5	0	19.3	51
24/06/2023 09:30	5.5	108	11	8	0	19.4	49
24/06/2023 09:40	5.6	110	11	8.5	0	19.7	49
24/06/2023 09:50	5.1	107	11	7.7	0	20	47
24/06/2023 10:00	5.8	100	11	8.4	0	20.4	44
24/06/2023 10:10	6.5	101	10	9.3	0	20.5	41
24/06/2023 10:20	6.4	96	10	9.1	0	20.7	43
24/06/2023 10:30	5.5	103	12	8.1	0	20.8	45
24/06/2023 10:40	5.6	99	11	9.7	0	21	45
24/06/2023 10:50	7.1	96	9	10	0	20.8	43
24/06/2023 11:00	6.4	99	10	8.8	0	20.8	44
24/06/2023 11:10	6.6	94	8	9.5	0	20.9	45
24/06/2023 11:20	6.4	89	8	9.3	0	20.9	48
24/06/2023 11:30	6.2	91	9	8	0	21.2	47
24/06/2023 11:40	6.5	93	9	8.9	0	21.4	47
24/06/2023 11:50	6.5	95	9	8.9	0	21.5	46
24/06/2023 12:00	6.6	96	8	8.8	0	21.7	45
24/06/2023 12:10	6	91	10	8.5	0	22.3	42
24/06/2023 12:20	6.9	89	8	9.2	0	22.1	43
24/06/2023 12:30	5.9	90	9	8.5	0	22.4	42
24/06/2023 12:40	6	85	11	8.8	0	22.6	42
24/06/2023 12:50	6.2	78	9	8.9	0	22.8	41
24/06/2023 13:00	6.7	73	8	9.2	0	22.3	42
24/06/2023 13:10	6.6	72	6	8.4	0	22.2	44
24/06/2023 13:20	5.9	73	8	7.9	0	22.1	46
24/06/2023 13:30	5.2	85	10	6.7	0	22.7	43
24/06/2023 13:40	5.5	79	9	7.4	0	22.8	43
24/06/2023 13:50	6	73	7	7.7	0	22.5	43
24/06/2023 14:00	6.2	77	6	7.7	0	22.2	44
24/06/2023 14:10	5.7	87	7	7.8	0	22.5	43
24/06/2023 14:20	5	87	9	8	0	22.8	43
24/06/2023 14:30	5.1	86	9	7.1	0	22.9	43
24/06/2023 14:40	5.2	59	9	7.1	0	22.7	45
24/06/2023 14:50	5.2	54	7	6.9	0	22.7	43
24/06/2023 15:00	4.9	56	9	6.7	0	22.7	42
24/06/2023 15:10	4.9	55	7	6.4	0	22.8	43
24/06/2023 15:20	4.6	58	10	6.7	0	22.9	42
24/06/2023 15:30	4.6	59	10	6.3	0	22.8	42
24/06/2023 15:40	4.4	54	10	5.7	0	22.8	42
24/06/2023 15:50	4.4	51	9	5.7	0	22.9	42
24/06/2023 16:00	4.4	49	8	5.5	0	22.7	42
24/06/2023 16:10	4.1	52	8	5.2	0	22.7	43
24/06/2023 16:20	3.8	44	8	5.1	0	22.6	42
24/06/2023 16:30	3.9	48	8	5.3	0	22.6	43



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
24/06/2023 16:40	4.2	49	6	5.6	0	22.4	41
24/06/2023 16:50	3.9	53	8	5.1	0	22.5	38
24/06/2023 17:00	3.5	50	9	4.6	0	22.4	38
24/06/2023 17:10	3	43	8	4.2	0	22.1	41
24/06/2023 17:20	2.6	40	8	3.6	0	21.6	40
24/06/2023 17:30	2.3	41	8	3.4	0	21	40
24/06/2023 17:40	2.2	49	6	2.7	0	20.4	43
24/06/2023 17:50	2.3	45	4	2.7	0	20.2	43
24/06/2023 18:00	2.7	49	3	3	0	20	45
24/06/2023 18:10	2	41	5	2.5	0	19.9	46
24/06/2023 18:20	1.7	33	7	2.3	0	19.6	48
24/06/2023 18:30	1.6	30	8	2.2	0	19.4	48
24/06/2023 18:40	0.5	208	59	0.9	0	18.9	54
24/06/2023 18:50	0.6	202	17	1	0	18.5	56
24/06/2023 19:00	0.4	139	39	0.7	0	18.7	54
24/06/2023 19:10	0.6	77	8	0.8	0	18.5	55
24/06/2023 19:20	0.3	193	49	0.5	0	18.5	53
24/06/2023 19:30	0.9	242	8	1.2	0	18.8	52
24/06/2023 19:40	0.9	222	10	1.2	0	18.7	53
24/06/2023 19:50	0.8	253	14	1	0	18.5	53
24/06/2023 20:00	0.7	256	6	1	0	18.6	52
24/06/2023 20:10	0.7	252	10	0.9	0	18.3	54
24/06/2023 20:20	0.7	281	16	1	0	18	57
24/06/2023 20:30	0.7	263	13	1	0	17.8	58
24/06/2023 20:40	0.7	301	23	1	0	17.6	59
24/06/2023 20:50	0.5	204	30	1	0	17	63
24/06/2023 21:00	0.5	99	17	0.8	0	16.5	65
24/06/2023 21:10	0.5	76	15	0.6	0	16.5	64
24/06/2023 21:20	1.1	23	8	1.3	0	17.2	61
24/06/2023 21:30	0.7	76	16	1.2	0	17.2	62
24/06/2023 21:40	0.9	77	15	1.2	0	16.7	64
24/06/2023 21:50	0.5	195	19	0.7	0	16.6	64
24/06/2023 22:00	0.8	294	47	1.3	0	16.9	65
24/06/2023 22:10	1.4	261	15	2.1	0	17.3	66
24/06/2023 22:20	1.9	271	10	2.2	0	17.3	63
24/06/2023 22:30	2.3	270	8	2.8	0	17.4	63
24/06/2023 22:40	2.4	273	6	2.9	0	17.3	64
24/06/2023 22:50	2.6	275	8	3.1	0	17	65
24/06/2023 23:00	2.2	279	6	2.7	0	17.3	63
24/06/2023 23:10	3.1	280	7	3.8	0	17.1	63
24/06/2023 23:20	2.8	275	6	3.3	0	17.1	65
24/06/2023 23:30	2.9	263	4	3.2	0	16.5	68
24/06/2023 23:40	2.8	277	6	3.5	0	16.5	68
24/06/2023 23:50	3.1	296	8	4.1	0	17.2	65
25/06/2023 00:00	2.5	285	7	3.3	0	17.1	66
25/06/2023 00:10	2.7	283	6	3.2	0	16.9	67
25/06/2023 00:20	2.5	270	6	3	0	16.9	67
25/06/2023 00:30	2.8	263	3	3.2	0	16.5	68



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/06/2023 00:40	3	259	4	3.6	0	16.7	67
25/06/2023 00:50	2.6	262	4	3.2	0	16.9	65
25/06/2023 01:00	2.8	259	4	3.3	0	17	64
25/06/2023 01:10	2.6	255	4	3.2	0	17.1	63
25/06/2023 01:20	2.9	262	6	3.6	0	17	63
25/06/2023 01:30	2.8	273	7	3.4	0	17.1	64
25/06/2023 01:40	2.4	270	5	2.8	0	17	66
25/06/2023 01:50	2.5	264	6	3	0	16.8	67
25/06/2023 02:00	2.2	265	8	2.7	0	16.8	67
25/06/2023 02:10	2.5	265	6	2.9	0	17	66
25/06/2023 02:20	2.5	255	10	3.6	0	16.7	67
25/06/2023 02:30	2.7	258	9	3.4	0	16.6	67
25/06/2023 02:40	2.9	257	12	3.8	0	16.9	66
25/06/2023 02:50	2.8	263	9	3.6	0	17	65
25/06/2023 03:00	2.8	262	9	3.4	0	16.9	65
25/06/2023 03:10	2.8	264	6	3.7	0	16.9	65
25/06/2023 03:20	3	253	11	4.3	0	16.9	66
25/06/2023 03:30	3.1	260	9	4.2	0	17.1	65
25/06/2023 03:40	3	258	11	4	0	17	66
25/06/2023 03:50	3.1	269	7	3.8	0	17	65
25/06/2023 04:00	2.7	271	7	3.5	0	16.7	66
25/06/2023 04:10	2.8	275	7	3.4	0	16.6	66
25/06/2023 04:20	2.6	275	8	3.3	0	16.4	66
25/06/2023 04:30	2.6	276	6	3.1	0	16.4	65
25/06/2023 04:40	2.5	274	6	3	0	16.6	65
25/06/2023 04:50	2.4	270	8	3.2	0	16.6	64
25/06/2023 05:00	2.5	271	7	3.1	0	16.6	64
25/06/2023 05:10	2.4	272	9	3.1	0	16.5	65
25/06/2023 05:20	2	273	8	2.8	0	16.5	65
25/06/2023 05:30	1.5	269	8	2.1	0	16.2	66
25/06/2023 05:40	0.8	243	25	2	0	16.4	65
25/06/2023 05:50	1	250	35	2.2	0	16.6	64
25/06/2023 06:00	1.2	248	16	1.9	0	16.8	64
25/06/2023 06:10	0.9	170	35	1.6	0	16.5	65
25/06/2023 06:20	0.9	105	37	1.8	0	16.1	66
25/06/2023 06:30	0.8	121	40	1.7	0	16.1	66
25/06/2023 06:40	1	135	30	2.1	0	15.4	68
25/06/2023 06:50	2.2	168	9	3.2	0	16.1	65
25/06/2023 07:00	1.2	109	34	2.5	0	16	65
25/06/2023 07:10	1	33	42	1.8	0	15.5	67
25/06/2023 07:20	1	201	23	1.6	0	15.2	68
25/06/2023 07:30	2.1	39	7	3.1	0	15.1	69
25/06/2023 07:40	1.8	78	15	3	0	15.4	70
25/06/2023 07:50	2	107	11	3	0	16.2	68
25/06/2023 08:00	2.1	111	12	3.5	0	16.7	67
25/06/2023 08:10	2	116	14	3	0	17.1	66
25/06/2023 08:20	2.3	91	9	3.1	0	17.4	63
25/06/2023 08:30	2.4	86	7	3.2	0	17.7	60





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/06/2023 08:40	2.6	82	7	3.4	0	17.9	58
25/06/2023 08:50	2.7	76	9	3.5	0	17.9	59
25/06/2023 09:00	2.4	84	8	3.2	0	17.8	60
25/06/2023 09:10	1.9	87	14	2.8	0	18.2	59
25/06/2023 09:20	2.1	84	13	3	0	18.5	58
25/06/2023 09:30	2.5	76	9	3.6	0	18.7	59
25/06/2023 09:40	2.5	76	10	3.5	0	18.8	59
25/06/2023 09:50	2.5	80	10	3.2	0	19	60
25/06/2023 10:00	2.4	94	11	3.4	0	19.6	59
25/06/2023 10:10	2.7	85	12	4	0	19.6	59
25/06/2023 10:20	2.5	96	14	3.4	0	19.8	58
25/06/2023 10:30	1.9	115	20	3.1	0	20.9	56
25/06/2023 10:40	2.5	112	16	3.8	0	21.2	54
25/06/2023 10:50	2.8	102	18	4.2	0	21.5	54
25/06/2023 11:00	2.8	100	17	3.8	0	21.4	55
25/06/2023 11:10	2.5	116	20	3.6	0	22.2	49
25/06/2023 11:20	2.5	112	22	3.9	0	22.6	47
25/06/2023 11:30	2.7	112	14	4.1	0	22.7	45
25/06/2023 11:40	3	113	15	4.3	0	22.8	43
25/06/2023 11:50	2.7	106	23	4.3	0	23.3	43
25/06/2023 12:00	3.6	89	12	5.4	0	22.6	45
25/06/2023 12:10	3.2	95	14	4.9	0	22.5	48
25/06/2023 12:20	3.7	71	11	4.9	0	22.5	51
25/06/2023 12:30	3.5	65	11	4.9	0	22.4	48
25/06/2023 12:40	3.7	67	8	5	0	22.4	46
25/06/2023 12:50	4	82	12	5.6	0	23	45
25/06/2023 13:00	4.8	75	10	6.7	0	22.8	48
25/06/2023 13:10	4.6	70	10	6.5	0	22.4	47
25/06/2023 13:20	4.9	72	8	6.4	0	22.5	45
25/06/2023 13:30	5.5	64	7	7.4	0	22.3	45
25/06/2023 13:40	5.3	71	10	7.2	0	22.6	45
25/06/2023 13:50	4.6	66	10	6.9	0	23.1	42
25/06/2023 14:00	5	71	9	6.2	0	22.9	41
25/06/2023 14:10	5.2	55	8	6.4	0	22.6	46
25/06/2023 14:20	4.7	59	8	6.2	0	22.6	48
25/06/2023 14:30	4.3	55	11	5.9	0	22.9	47
25/06/2023 14:40	4.6	59	11	6.5	0	22.8	47
25/06/2023 14:50	4.3	57	11	5.7	0	22.9	44
25/06/2023 15:00	4.3	55	9	5.7	0	23.1	42
25/06/2023 15:10	4.1	55	9	5.3	0	23	44
25/06/2023 15:20	4.3	48	10	5.9	0	22.9	49
25/06/2023 15:30	3.9	52	7	5	0	22.7	50
25/06/2023 15:40	3.7	48	7	4.8	0	22.8	48
25/06/2023 15:50	3.9	49	7	4.8	0	22.5	50
25/06/2023 16:00	3.6	51	6	4.4	0	22.1	50
25/06/2023 16:10	3.4	53	6	4.5	0	22.2	49
25/06/2023 16:20	3.2	59	9	4.2	0	22.2	52
25/06/2023 16:30	3.8	49	6	4.7	0	22	51



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
25/06/2023 16:40	2.9	62	9	3.8	0	22	50
25/06/2023 16:50	3.2	58	8	4.3	0	22	49
25/06/2023 17:00	2.9	60	8	4.4	0	21.9	50
25/06/2023 17:10	2	49	12	2.8	0	21.9	51
25/06/2023 17:20	2	181	15	3	0	22.1	46
25/06/2023 17:30	2.6	14	8	3.4	0	21.7	47
25/06/2023 17:40	2.7	15	9	3.8	0	21.4	47
25/06/2023 17:50	2.6	30	8	3.6	0	21.2	50
25/06/2023 18:00	2.3	35	7	3.3	0	21	51
25/06/2023 18:10	1.7	12	8	2.6	0	20.8	52
25/06/2023 18:20	2.3	16	7	3.4	0	20.9	52
25/06/2023 18:30	2.6	6	7	3.4	0	20.8	53
25/06/2023 18:40	2.2	9	11	3.1	0	20.8	54
25/06/2023 18:50	1.8	332	17	3	0	20.7	55
25/06/2023 19:00	0.9	254	27	1.8	0	20.7	55
25/06/2023 19:10	1.8	270	17	2.9	0	20.9	55
25/06/2023 19:20	1.8	301	11	2.6	0	21	55
25/06/2023 19:30	2.1	296	8	2.7	0	20.8	55
25/06/2023 19:40	1.7	305	9	2.5	0	20.7	55
25/06/2023 19:50	1.6	320	7	2.2	0	20.6	57
25/06/2023 20:00	1.8	311	6	2.4	0	20.5	58
25/06/2023 20:10	1.3	262	31	2.1	0	20.1	62
25/06/2023 20:20	1.5	273	9	2.2	0	19.7	64
25/06/2023 20:30	2	267	12	2.5	0	20	63
25/06/2023 20:40	1.5	284	11	2.1	0	20.1	63
25/06/2023 20:50	1.1	287	11	1.5	0	20.1	63
25/06/2023 21:00	1.1	275	11	1.6	0	19.7	65
25/06/2023 21:10	1.3	287	9	1.7	0	19.5	67
25/06/2023 21:20	1.5	288	9	1.9	0	19	69
25/06/2023 21:30	1.9	274	4	2.2	0	18.9	69
25/06/2023 21:40	1.5	270	8	1.8	0	19.2	69
25/06/2023 21:50	1.6	255	5	1.9	0	18.6	70
25/06/2023 22:00	1.4	270	6	1.7	0	18.6	70
25/06/2023 22:10	1	282	7	1.3	0	18.8	70
25/06/2023 22:20	0.9	271	8	1.1	0	18.8	70
25/06/2023 22:30	1	282	10	1.2	0	18.5	70
25/06/2023 22:40	1.4	263	4	1.5	0	18.7	70
25/06/2023 22:50	1.3	257	10	1.7	0	18.5	70
25/06/2023 23:00	2.6	256	8	3.6	0	18.2	69
25/06/2023 23:10	2.3	262	9	3	0	18.1	69
25/06/2023 23:20	2.5	266	6	3.1	0	18.1	68
25/06/2023 23:30	2.8	269	6	3.2	0	18.2	69
25/06/2023 23:40	3	273	5	3.8	0	18.3	69
25/06/2023 23:50	3	272	5	3.5	0	18.3	68
26/06/2023 00:00	3	276	5	3.4	0	18.3	68
26/06/2023 00:10	3.1	273	5	3.6	0	18.2	68
26/06/2023 00:20	3.2	262	5	3.7	0	17.8	69
26/06/2023 00:30	3.2	261	4	3.6	0	17.4	70



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/06/2023 00:40	3.3	267	4	3.8	0	17.3	70
26/06/2023 00:50	3.4	272	5	3.9	0	17.3	69
26/06/2023 01:00	3.4	264	3	3.9	0	17.3	69
26/06/2023 01:10	3.9	266	3	4.3	0	17.1	69
26/06/2023 01:20	4	275	4	4.7	0	17.2	67
26/06/2023 01:30	3.9	274	3	4.4	0	17.4	64
26/06/2023 01:40	3.7	274	4	4.3	0	17.4	62
26/06/2023 01:50	3.6	272	5	4.3	0	17.4	62
26/06/2023 02:00	3.7	273	4	4.4	0	17.4	62
26/06/2023 02:10	3.5	274	4	4	0	17.3	64
26/06/2023 02:20	3.7	272	4	4.3	0	17.1	64
26/06/2023 02:30	3.7	270	4	4.4	0	16.9	65
26/06/2023 02:40	3.5	275	4	4	0	16.9	65
26/06/2023 02:50	3.4	275	5	4	0	16.9	64
26/06/2023 03:00	3.1	269	6	3.6	0	17.1	63
26/06/2023 03:10	2.8	265	9	3.6	0	16.9	63
26/06/2023 03:20	2.7	259	12	3.4	0	17.1	62
26/06/2023 03:30	2.6	246	15	4	0	17.6	59
26/06/2023 03:40	2.5	230	11	3.8	0	18.2	54
26/06/2023 03:50	2.2	229	13	3.3	0	18.4	53
26/06/2023 04:00	1.4	246	20	2.2	0	17.8	57
26/06/2023 04:10	1.4	258	13	2.1	0	17.6	58
26/06/2023 04:20	1.4	257	14	2	0	17.5	58
26/06/2023 04:30	1.2	259	26	1.9	0	17.6	56
26/06/2023 04:40	1.3	293	16	1.9	0	17.8	53
26/06/2023 04:50	1.1	303	11	1.6	0	17.7	53
26/06/2023 05:00	1.2	321	19	1.9	0	17.7	52
26/06/2023 05:10	0.9	272	41	1.3	0	17.5	53
26/06/2023 05:20	0.8	265	37	1.7	0	17.2	53
26/06/2023 05:30	0.8	270	26	1.3	0	17.1	54
26/06/2023 05:40	0.7	313	26	1.3	0	16.8	55
26/06/2023 05:50	1.2	247	56	2.4	0	16.7	53
26/06/2023 06:00	2.6	190	13	4.3	0	17.1	51
26/06/2023 06:10	3.7	189	10	5.6	0	17.3	50
26/06/2023 06:20	4.1	192	11	6	0	17.3	50
26/06/2023 06:30	4	191	10	5.9	0	17.2	50
26/06/2023 06:40	4.4	193	11	7	0	17.1	49
26/06/2023 06:50	4.2	191	10	6.6	0	17.2	49
26/06/2023 07:00	4.5	191	9	6.4	0	17.1	49
26/06/2023 07:10	4.3	194	9	6.4	0	16.9	49
26/06/2023 07:20	3.5	190	13	5	0	16.7	51
26/06/2023 07:30	3.4	186	15	5.9	0	16.6	50
26/06/2023 07:40	3.1	180	17	5.7	0	16.8	49
26/06/2023 07:50	1.8	102	80	3.5	0	16.8	49
26/06/2023 08:00	1.2	85	41	2.8	0	17.2	49
26/06/2023 08:10	1.5	70	36	3.2	0	18.1	47
26/06/2023 08:20	1.4	58	31	2.7	0	18.6	45
26/06/2023 08:30	1.2	182	26	2.4	0	19.1	44



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/06/2023 08:40	0.9	213	69	2.3	0	19.9	42
26/06/2023 08:50	1.9	107	31	3.7	0	21.2	38
26/06/2023 09:00	2.8	88	12	4.5	0	20.6	41
26/06/2023 09:10	2.9	88	11	4.6	0	20.5	42
26/06/2023 09:20	2.7	82	12	3.8	0	20.4	43
26/06/2023 09:30	3.2	69	8	3.9	0	20.4	44
26/06/2023 09:40	2.8	68	9	3.8	0	20.2	45
26/06/2023 09:50	1.7	55	20	2.7	0	20.7	44
26/06/2023 10:00	1.8	73	20	2.9	0	21.1	43
26/06/2023 10:10	1.5	78	22	2.9	0	21.6	42
26/06/2023 10:20	2.1	120	19	3.6	0	21.9	41
26/06/2023 10:30	2	134	23	3.5	0	22.4	39
26/06/2023 10:40	1.8	114	23	2.9	0	22.9	38
26/06/2023 10:50	2.1	104	13	3.1	0	23.5	37
26/06/2023 11:00	2.1	111	16	3	0	23.7	37
26/06/2023 11:10	2.1	107	16	3.1	0	24.4	36
26/06/2023 11:20	2.2	160	19	3.7	0	24.5	34
26/06/2023 11:30	2.9	189	10	4.8	0	24.1	34
26/06/2023 11:40	3	198	14	5.2	0	24.2	32
26/06/2023 11:50	3.6	182	23	5.2	0	24.4	30
26/06/2023 12:00	1.9	163	37	3.6	0	25.2	33
26/06/2023 12:10	3.7	200	16	5.2	0	24.9	29
26/06/2023 12:20	4.1	210	12	5.7	0	24.7	28
26/06/2023 12:30	3.5	213	12	4.9	0	24.8	27
26/06/2023 12:40	2.9	220	16	4.7	0	25.1	26
26/06/2023 12:50	1.9	181	31	3.7	0	25.4	26
26/06/2023 13:00	1.8	209	23	3.1	0	25.7	25
26/06/2023 13:10	2.8	109	21	4.5	0	26	25
26/06/2023 13:20	3.7	74	11	5.1	0	25.3	26
26/06/2023 13:30	3.6	58	14	5.3	0	25.2	28
26/06/2023 13:40	4.1	34	11	5.6	0	24.9	32
26/06/2023 13:50	3.9	9	11	5.7	0	25.1	32
26/06/2023 14:00	4	183	13	5.9	0	25.4	33
26/06/2023 14:10	3.2	176	13	4.7	0	25.2	32
26/06/2023 14:20	3.6	335	12	5.1	0	24.6	32
26/06/2023 14:30	4.1	339	12	5.6	0	23.7	39
26/06/2023 14:40	3.8	337	12	5.4	0	23.9	40
26/06/2023 14:50	3.9	330	13	5.2	0	23.5	42
26/06/2023 15:00	3.6	317	7	4.6	0	23.3	44
26/06/2023 15:10	2.9	311	16	4.1	0	23.6	42
26/06/2023 15:20	3.2	314	14	4.3	0	23.6	42
26/06/2023 15:30	3	303	11	4.7	0	23.3	43
26/06/2023 15:40	3.4	291	8	4.5	0	23.6	36
26/06/2023 15:50	3.6	281	7	4.7	0	23.5	37
26/06/2023 16:00	4	270	6	5.1	0	23.5	37
26/06/2023 16:10	3.9	264	8	5.4	0	23.7	38
26/06/2023 16:20	3.9	261	10	5.3	0	23.9	38
26/06/2023 16:30	4.3	259	10	5.5	0	24	40



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
26/06/2023 16:40	3.9	268	6	4.9	0	24	35
26/06/2023 16:50	4.2	277	5	5.2	0	23.9	35
26/06/2023 17:00	3.6	283	8	4.8	0	23.8	38
26/06/2023 17:10	3	282	7	3.9	0	23.9	40
26/06/2023 17:20	3.2	274	5	3.9	0	23.4	37
26/06/2023 17:30	3.1	270	5	3.8	0	22.9	38
26/06/2023 17:40	3.1	273	6	4.2	0	22.5	49
26/06/2023 17:50	3.4	270	6	4.4	0	22	56
26/06/2023 18:00	2.7	270	6	3.6	0	21.7	61
26/06/2023 18:10	2.8	266	6	3.7	0	21.5	60
26/06/2023 18:20	2.5	272	4	2.9	0	21.2	62
26/06/2023 18:30	2.3	280	5	2.7	0	20.9	63
26/06/2023 18:40	2.3	299	5	2.9	0	21	64
26/06/2023 18:50	2.4	305	7	3.1	0	21.3	61
26/06/2023 19:00	2.6	290	4	3.1	0	21.2	62
26/06/2023 19:10	2.7	284	4	3.1	0	20.9	65
26/06/2023 19:20	2.4	283	4	2.8	0	20.6	67
26/06/2023 19:30	1.7	286	7	2.3	0	20.1	69
26/06/2023 19:40	1.5	291	6	2.1	0	19.9	69
26/06/2023 19:50	1.1	284	8	1.5	0	19.8	69
26/06/2023 20:00	0.6	297	12	1	0	19.9	70
26/06/2023 20:10	1	307	8	1.4	0	20.1	69
26/06/2023 20:20	1.1	315	8	1.5	0	20.3	70
26/06/2023 20:30	1.9	307	6	2.5	0	20.3	70
26/06/2023 20:40	2.4	293	5	2.8	0	20.4	70
26/06/2023 20:50	2.5	289	7	3.2	0	20.3	69
26/06/2023 21:00	1.6	278	9	2.1	0	20	69
26/06/2023 21:10	1	255	25	1.8	0	19.5	70
26/06/2023 21:20	2.1	265	8	3	0	19	70
26/06/2023 21:30	2.6	272	12	3.6	0	19.4	61
26/06/2023 21:40	2.1	249	19	3.9	0	19.4	56
26/06/2023 21:50	3.9	225	10	6.3	0	20.4	46
26/06/2023 22:00	4.2	215	10	5.9	0	20.3	45
26/06/2023 22:10	4.6	213	11	6.3	0	20.3	42
26/06/2023 22:20	4.2	214	10	6.3	0	20.1	43
26/06/2023 22:30	4.4	212	9	6.7	0	19.9	42
26/06/2023 22:40	4.7	210	11	7.5	0	19.8	41
26/06/2023 22:50	4.7	207	10	6.9	0	19.6	42
26/06/2023 23:00	4.8	201	11	7.1	0	19.5	41
26/06/2023 23:10	5.3	195	10	7.7	0	19.4	41
26/06/2023 23:20	6.3	194	10	9.2	0	19.5	40
26/06/2023 23:30	6.8	198	9	9.8	0	19.4	40
26/06/2023 23:40	7.1	197	10	10.7	0	19.3	39
26/06/2023 23:50	6.4	195	10	9.5	0	19	40
27/06/2023 00:00	6	193	11	9.3	0	18.8	41
27/06/2023 00:10	4.6	188	14	7.7	0	18.3	42
27/06/2023 00:20	3.7	188	13	6.3	0	17.9	44
27/06/2023 00:30	3.5	184	14	6.5	0	17.7	44



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/06/2023 00:40	3.6	181	14	5.6	0	17.6	44
27/06/2023 00:50	2.2	182	30	4.1	0	17.5	45
27/06/2023 01:00	2.2	186	45	4.2	0	17.4	46
27/06/2023 01:10	1.9	187	35	4.5	0	17.2	48
27/06/2023 01:20	1	274	70	2.8	0	16.9	49
27/06/2023 01:30	1.3	122	44	2.7	0	16.8	51
27/06/2023 01:40	2	128	27	3.9	0	16.9	53
27/06/2023 01:50	2.3	133	22	4.1	0	17	58
27/06/2023 02:00	2.2	128	22	3.9	0	16.9	64
27/06/2023 02:10	1.6	112	39	3.5	0	16.8	69
27/06/2023 02:20	2.6	97	16	4.6	0	16.8	70
27/06/2023 02:30	1.8	96	18	2.9	0	16.9	70
27/06/2023 02:40	1.8	108	27	3.3	0	16.9	70
27/06/2023 02:50	1.7	122	27	3.1	0	16.7	69
27/06/2023 03:00	1.7	141	20	3.3	0	16.7	67
27/06/2023 03:10	1.6	158	17	2.9	0	16.5	66
27/06/2023 03:20	1.8	146	17	3.2	0	16.5	67
27/06/2023 03:30	2.2	141	19	3.8	0	16.5	67
27/06/2023 03:40	2	152	21	3.7	0	16.7	67
27/06/2023 03:50	2.6	144	16	4.4	0	16.4	68
27/06/2023 04:00	2.4	142	16	4.3	0	16.6	64
27/06/2023 04:10	2.7	139	18	4.3	0	16.8	59
27/06/2023 04:20	2.6	139	18	4.5	0	16.7	58
27/06/2023 04:30	1.9	143	20	3.5	0	16.5	57
27/06/2023 04:40	1.1	156	37	2.6	0	16.3	60
27/06/2023 04:50	1.2	149	32	2.7	0	16.2	62
27/06/2023 05:00	1.4	148	45	3.7	0	16.5	67
27/06/2023 05:10	1.9	142	23	3.7	0	16.6	68
27/06/2023 05:20	1.9	148	25	3.8	0	16.3	63
27/06/2023 05:30	1.8	135	21	3.6	0	16.1	61
27/06/2023 05:40	2.6	138	16	4.1	0	16.1	64
27/06/2023 05:50	2.6	142	15	4.1	0	16	64
27/06/2023 06:00	2.6	138	17	4.2	0	16.1	61
27/06/2023 06:10	2.7	140	17	4.5	0	16.2	55
27/06/2023 06:20	2.8	136	15	4.6	0	16.2	52
27/06/2023 06:30	2.6	127	17	4.7	0	16.1	51
27/06/2023 06:40	1.9	112	30	3.8	0	15.8	54
27/06/2023 06:50	2.9	126	21	5.1	0	15.9	54
27/06/2023 07:00	2.8	131	17	4.6	0	16	53
27/06/2023 07:10	2.9	134	17	5.6	0	16.1	50
27/06/2023 07:20	3.2	132	22	6.4	0	16.4	50
27/06/2023 07:30	3.6	130	21	6.4	0	16.6	50
27/06/2023 07:40	2.9	138	19	5.3	0	16.6	50
27/06/2023 07:50	3.2	135	16	5.7	0	16.6	51
27/06/2023 08:00	3.4	139	16	5.8	0	16.7	51
27/06/2023 08:10	3.2	133	19	5.3	0	17	50
27/06/2023 08:20	3	128	21	5.1	0	17.4	51
27/06/2023 08:30	2.7	117	22	4.3	0	17.7	51



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/06/2023 08:40	3.3	116	18	5.6	0	17.8	51
27/06/2023 08:50	4.3	108	14	6.4	0	17.8	50
27/06/2023 09:00	5.2	106	11	7.7	0	17.9	49
27/06/2023 09:10	5.6	107	10	8.2	0	17.9	49
27/06/2023 09:20	5.5	106	10	8	0	18.2	49
27/06/2023 09:30	6	107	10	8.8	0	18.6	47
27/06/2023 09:40	6.3	108	9	9	0	18.8	46
27/06/2023 09:50	6.2	109	11	9.6	0	19.1	45
27/06/2023 10:00	6.2	107	11	9.1	0	19.3	43
27/06/2023 10:10	6.1	108	11	9.6	0	19.5	43
27/06/2023 10:20	6.1	109	11	9	0	19.7	42
27/06/2023 10:30	5.5	108	10	7.8	0	19.9	43
27/06/2023 10:40	5.5	107	12	8.9	0	20.2	42
27/06/2023 10:50	5.9	108	12	9.7	0	20.3	41
27/06/2023 11:00	5.7	107	11	8.7	0	20.5	41
27/06/2023 11:10	5.7	108	11	8.5	0	20.7	41
27/06/2023 11:20	5.8	106	11	8.6	0	20.7	41
27/06/2023 11:30	5.8	110	11	8.5	0	20.9	40
27/06/2023 11:40	4.7	107	12	7.4	0	21.4	40
27/06/2023 11:50	4.8	106	11	6.9	0	21.6	39
27/06/2023 12:00	4.9	109	11	7.2	0	21.9	39
27/06/2023 12:10	5.4	111	10	7.5	0	21.9	39
27/06/2023 12:20	4.9	105	11	7.2	0	22.5	38
27/06/2023 12:30	4.9	109	10	6.7	0	22.6	38
27/06/2023 12:40	5.2	102	11	7.1	0	22.5	37
27/06/2023 12:50	4.6	102	12	6.9	0	23	38
27/06/2023 13:00	4.7	94	11	6.8	0	23	39
27/06/2023 13:10	4.8	94	9	6.7	0	23.2	39
27/06/2023 13:20	5	90	9	6.8	0	23.3	37
27/06/2023 13:30	5.5	80	12	7.2	0	23	41
27/06/2023 13:40	5.7	76	8	7.7	0	22.7	42
27/06/2023 13:50	5.9	78	8	7.7	0	22.6	42
27/06/2023 14:00	6.1	78	6	8.1	0	22.7	40
27/06/2023 14:10	5.7	76	6	7.8	0	22.9	40
27/06/2023 14:20	6	77	7	7.7	0	22.8	40
27/06/2023 14:30	5.4	86	8	7.6	0	23.5	39
27/06/2023 14:40	5.1	79	9	7.4	0	23.5	40
27/06/2023 14:50	5.8	67	11	8.2	0	23.2	41
27/06/2023 15:00	5.7	61	8	8.1	0	23	42
27/06/2023 15:10	6.2	61	9	7.8	0	22.9	42
27/06/2023 15:20	6.5	63	8	8.6	0	22.8	43
27/06/2023 15:30	6.2	60	8	8.4	0	22.8	44
27/06/2023 15:40	6	58	8	8.3	0	22.8	44
27/06/2023 15:50	6	60	9	7.8	0	22.7	45
27/06/2023 16:00	5.9	64	8	8.3	0	22.8	45
27/06/2023 16:10	6.1	57	8	8.3	0	22.6	46
27/06/2023 16:20	6	57	7	8.3	0	22.5	46
27/06/2023 16:30	5.9	60	9	7.7	0	22.5	46



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
27/06/2023 16:40	5.3	61	8	7.6	0	22.5	48
27/06/2023 16:50	5.3	60	9	7.3	0	22.4	47
27/06/2023 17:00	5.2	56	7	7.1	0	22.3	48
27/06/2023 17:10	5.3	59	8	7.8	0	22.2	48
27/06/2023 17:20	4.5	58	8	6.1	0	21.9	49
27/06/2023 17:30	4.7	60	7	6.7	0	21.5	51
27/06/2023 17:40	4.1	59	6	5.9	0	21.2	52
27/06/2023 17:50	4.5	60	8	6.5	0	21.3	50
27/06/2023 18:00	4.4	64	8	6.2	0	21.3	50
27/06/2023 18:10	4.3	66	8	6.2	0	21.3	51
27/06/2023 18:20	4.1	65	7	6.1	0	21.2	52
27/06/2023 18:30	4.5	69	7	6.6	0	21.2	52
27/06/2023 18:40	4.5	69	7	6.3	0	21.2	52
27/06/2023 18:50	3.9	67	8	5.5	0	21.1	54
27/06/2023 19:00	4.1	72	7	5.3	0	21.1	54
27/06/2023 19:10	3.9	72	8	5.7	0	21	54
27/06/2023 19:20	4	74	8	5.1	0	21	57
27/06/2023 19:30	4.3	73	8	6.9	0	20.9	57
27/06/2023 19:40	4.6	72	6	6.4	0	21	57
27/06/2023 19:50	5	77	8	6.8	0	21.1	56
27/06/2023 20:00	5.1	83	9	8	0	21.1	57
27/06/2023 20:10	5.2	96	9	7.5	0	21.1	52
27/06/2023 20:20	4.8	101	10	7.2	0	21	44
27/06/2023 20:30	5.1	104	12	7.8	0	20.8	37
27/06/2023 20:40	4.1	109	15	7.6	0	20.5	39
27/06/2023 20:50	3	126	23	6	0	20.1	40
27/06/2023 21:00	3.1	141	19	5.7	0	19.8	41
27/06/2023 21:10	2.9	141	16	5	0	19.5	39
27/06/2023 21:20	3	130	22	5.2	0	19.2	41
27/06/2023 21:30	3.4	139	16	6.4	0	19.3	41
27/06/2023 21:40	3.6	141	17	6.4	0	19.3	40
27/06/2023 21:50	3.5	136	23	7.6	0	19.2	39
27/06/2023 22:00	3.6	114	18	7.3	0	18.9	39
27/06/2023 22:10	4.4	110	15	7.7	0	18.9	40
27/06/2023 22:20	4.7	108	13	7.3	0	18.7	41
27/06/2023 22:30	5.1	107	11	7.6	0	18.7	41
27/06/2023 22:40	5.3	108	11	8.1	0	18.7	40
27/06/2023 22:50	4.5	110	15	7.9	0	18.5	40
27/06/2023 23:00	3.6	107	14	6.2	0	18.4	41
27/06/2023 23:10	3.6	109	14	6.2	0	18.2	41
27/06/2023 23:20	2.8	116	21	5.7	0	18	43
27/06/2023 23:30	2.5	109	22	4.8	0	17.7	45
27/06/2023 23:40	2.2	123	30	4.2	0	17.4	44
27/06/2023 23:50	2.5	111	25	4.6	0	17.4	45
28/06/2023 00:00	2.9	119	23	5.6	0	17.5	46
28/06/2023 00:10	2.5	131	26	5.3	0	17.6	45
28/06/2023 00:20	2.5	124	32	6.1	0	17.7	44
28/06/2023 00:30	2.5	132	29	5.4	0	17.6	44





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/06/2023 00:40	3	112	24	6.3	0	17.5	44
28/06/2023 00:50	4.4	108	14	7	0	17.8	42
28/06/2023 01:00	4.9	109	12	8.4	0	17.8	41
28/06/2023 01:10	4.1	109	16	7.4	0	17.7	41
28/06/2023 01:20	3.2	116	23	6.4	0	17.5	41
28/06/2023 01:30	2.9	117	24	5.1	0	17.3	43
28/06/2023 01:40	3.4	111	22	6.3	0	17.3	41
28/06/2023 01:50	3.2	112	16	6.2	0	17.2	41
28/06/2023 02:00	4.3	108	15	7.8	0	17.2	40
28/06/2023 02:10	3.9	110	15	7.5	0	17.2	40
28/06/2023 02:20	4.3	111	19	8.3	0	17	41
28/06/2023 02:30	4.8	110	15	9.1	0	17.1	40
28/06/2023 02:40	4.7	110	17	8.9	0	17	41
28/06/2023 02:50	5.1	108	12	9.6	0	17	40
28/06/2023 03:00	4.8	109	20	8.7	0	16.9	40
28/06/2023 03:10	5.4	110	12	8.8	0	16.8	39
28/06/2023 03:20	5.2	107	14	9.7	0	16.7	40
28/06/2023 03:30	4.7	114	19	9.1	0	16.5	39
28/06/2023 03:40	5.5	110	17	9.9	0	16.4	39
28/06/2023 03:50	5	109	17	9.7	0	16.4	40
28/06/2023 04:00	4.7	116	21	9.3	0	16.2	39
28/06/2023 04:10	4	119	21	8.6	0	16	40
28/06/2023 04:20	3.3	119	25	6.2	0	15.8	41
28/06/2023 04:30	4.5	115	23	8.3	0	15.7	41
28/06/2023 04:40	4.2	112	20	7.6	0	15.7	42
28/06/2023 04:50	4.8	109	14	8.7	0	15.6	42
28/06/2023 05:00	5.6	108	13	9.1	0	15.5	42
28/06/2023 05:10	5.6	106	11	11.1	0	15.5	42
28/06/2023 05:20	6.9	107	12	10.6	0	15.3	43
28/06/2023 05:30	7.5	107	12	11.5	0	15.3	43
28/06/2023 05:40	7.5	108	11	11.5	0	15.3	43
28/06/2023 05:50	7.8	108	11	11.8	0	15.2	43
28/06/2023 06:00	7	108	13	11.6	0	15	44
28/06/2023 06:10	6.3	107	11	10.2	0	14.9	45
28/06/2023 06:20	6	108	13	10.3	0	14.8	46
28/06/2023 06:30	6.4	106	12	9.7	0	14.7	45
28/06/2023 06:40	5.5	109	16	10.4	0	14.5	46
28/06/2023 06:50	6.9	107	12	10.2	0	14.5	47
28/06/2023 07:00	6.9	108	11	10.7	0	14.5	47
28/06/2023 07:10	6.3	106	12	10.8	0	14.4	48
28/06/2023 07:20	5.4	110	14	9.6	0	14.5	48
28/06/2023 07:30	6.1	111	15	10.5	0	14.5	47
28/06/2023 07:40	6.6	109	15	11.4	0	14.5	47
28/06/2023 07:50	5.4	109	14	9.2	0	14.5	48
28/06/2023 08:00	5.8	108	15	9.2	0	14.6	48
28/06/2023 08:10	6.6	105	13	10.5	0	14.8	48
28/06/2023 08:20	8	105	11	11.8	0	14.9	46
28/06/2023 08:30	7.4	110	11	10.9	0	15	47



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/06/2023 08:40	6.5	106	12	10.9	0	15.2	48
28/06/2023 08:50	6.9	107	12	11.1	0	15.4	46
28/06/2023 09:00	6.7	109	13	11.9	0	15.7	46
28/06/2023 09:10	8.1	108	12	12.3	0	15.8	45
28/06/2023 09:20	8.3	107	11	13.1	0	15.9	44
28/06/2023 09:30	8.6	108	12	13	0	16.2	44
28/06/2023 09:40	8	107	11	11.8	0	16.4	44
28/06/2023 09:50	7.5	105	11	10.8	0	16.7	45
28/06/2023 10:00	8.3	106	12	12.9	0	16.7	43
28/06/2023 10:10	8.1	108	12	12.6	0	16.9	42
28/06/2023 10:20	7.8	106	11	11	0	17.2	42
28/06/2023 10:30	7.2	105	10	10.7	0	17.4	41
28/06/2023 10:40	6.3	109	13	9.9	0	17.8	41
28/06/2023 10:50	7.9	106	11	11.5	0	18	39
28/06/2023 11:00	6.3	107	13	9.9	0	18.5	38
28/06/2023 11:10	7.9	107	11	12	0	18.6	38
28/06/2023 11:20	7.4	105	12	11.4	0	18.8	36
28/06/2023 11:30	7.5	104	12	10.9	0	19.1	35
28/06/2023 11:40	7.2	105	11	11	0	19.3	35
28/06/2023 11:50	7.5	103	11	11.1	0	19.4	34
28/06/2023 12:00	6.8	104	12	10.3	0	19.8	33
28/06/2023 12:10	6.9	104	11	10.3	0	19.9	33
28/06/2023 12:20	6.7	102	11	9.7	0	20.1	33
28/06/2023 12:30	6.5	107	12	9.5	0	20	34
28/06/2023 12:40	6.4	107	12	9.6	0	20.3	33
28/06/2023 12:50	5.9	107	12	8.5	0	20.5	32
28/06/2023 13:00	6.3	103	11	8.7	0	20.6	33
28/06/2023 13:10	5.8	102	11	8.7	0	20.9	32
28/06/2023 13:20	5.9	98	12	9.3	0	21	34
28/06/2023 13:30	7.1	95	9	9.5	0	20.7	34
28/06/2023 13:40	6.3	95	9	9	0	20.8	35
28/06/2023 13:50	6.3	87	10	9.2	0	20.8	38
28/06/2023 14:00	6.8	89	6	9.3	0	20.8	38
28/06/2023 14:10	6.3	82	10	9.1	0	20.9	37
28/06/2023 14:20	6.3	79	9	9.5	0	21.1	37
28/06/2023 14:30	5.8	79	10	8.2	0	21.2	36
28/06/2023 14:40	6.6	73	8	8.5	0	21	37
28/06/2023 14:50	6.5	72	8	9.5	0	21	37
28/06/2023 15:00	7	75	7	9	0	20.6	39
28/06/2023 15:10	7	77	8	8.8	0	20.7	39
28/06/2023 15:20	6.5	75	6	7.9	0	20.7	39
28/06/2023 15:30	6.3	76	8	8.4	0	20.7	40
28/06/2023 15:40	5.9	72	5	7.7	0	20.8	40
28/06/2023 15:50	6.1	76	8	8.8	0	20.8	41
28/06/2023 16:00	6.3	78	7	7.9	0	20.8	41
28/06/2023 16:10	5	78	8	6.9	0	20.9	42
28/06/2023 16:20	5.1	79	10	7	0	21	41
28/06/2023 16:30	4.8	82	9	7	0	20.9	42



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
28/06/2023 16:40	4.4	74	9	6	0	20.9	42
28/06/2023 16:50	4.5	75	9	6.3	0	20.9	42
28/06/2023 17:00	3.8	63	8	5.3	0	20.8	44
28/06/2023 17:10	4.3	62	8	5.7	0	20.6	44
28/06/2023 17:20	3.7	60	7	5.1	0	20.3	45
28/06/2023 17:30	3.3	61	7	4.5	0	19.7	48
28/06/2023 17:40	2.9	56	6	4	0	19.1	51
28/06/2023 17:50	2.8	59	6	3.9	0	18.9	52
28/06/2023 18:00	2.6	61	7	3.7	0	18.7	54
28/06/2023 18:10	2.1	72	9	3.3	0	18.7	54
28/06/2023 18:20	1.9	82	13	3.2	0	18.5	56
28/06/2023 18:30	2.4	91	10	4	0	18.7	55
28/06/2023 18:40	3.3	98	11	5.3	0	19.6	50
28/06/2023 18:50	4	101	10	5.9	0	19.9	43
28/06/2023 19:00	4	101	12	5.7	0	20	41
28/06/2023 19:10	4.1	102	11	6.2	0	19.9	42
28/06/2023 19:20	4.1	104	11	6.2	0	19.8	43
28/06/2023 19:30	4.2	104	11	6.3	0	19.7	42
28/06/2023 19:40	4	102	11	6	0	19.5	43
28/06/2023 19:50	4.4	103	11	6.7	0	19.6	42
28/06/2023 20:00	4.7	100	9	6.6	0	19.6	42
28/06/2023 20:10	4.5	100	10	6.7	0	19.5	42
28/06/2023 20:20	4.8	98	10	7.5	0	19.5	43
28/06/2023 20:30	4.6	97	9	6.4	0	19.4	45
28/06/2023 20:40	4.6	95	8	6.1	0	19.3	46
28/06/2023 20:50	4.8	96	9	6.3	0	19.4	45
28/06/2023 21:00	4.9	99	10	7.2	0	19.4	44
28/06/2023 21:10	5.5	101	10	8.3	0	19.6	43
28/06/2023 21:20	5.6	101	10	8.6	0	19.6	43
28/06/2023 21:30	5.6	103	11	9.1	0	19.6	43
28/06/2023 21:40	5.4	107	13	8.4	0	19.5	43
28/06/2023 21:50	6.5	105	12	9.8	0	19.6	40
28/06/2023 22:00	6.5	104	11	10.1	0	19.7	39
28/06/2023 22:10	6.3	107	11	9.1	0	19.6	41
28/06/2023 22:20	5.5	107	12	8.9	0	19.4	44
28/06/2023 22:30	5.7	107	11	8.6	0	19.3	44
28/06/2023 22:40	5.8	106	10	9.4	0	19.1	45
28/06/2023 22:50	6.2	108	10	9.8	0	19	44
28/06/2023 23:00	6.3	107	11	9.4	0	18.9	44
28/06/2023 23:10	4.9	109	12	7.4	0	18.6	45
28/06/2023 23:20	4.3	105	12	6.5	0	18.4	46
28/06/2023 23:30	4.1	107	13	6.8	0	18.2	48
28/06/2023 23:40	3.9	106	12	6.6	0	18.1	49
28/06/2023 23:50	3.2	108	14	5.4	0	17.9	49
29/06/2023 00:00	3.8	107	13	6.2	0	17.9	48
29/06/2023 00:10	3.6	111	13	6	0	17.8	48
29/06/2023 00:20	1.9	116	24	3.9	0	17.5	49
29/06/2023 00:30	1.9	125	27	4.1	0	17.1	53



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/06/2023 00:40	2	116	31	4.1	0	17	53
29/06/2023 00:50	2.1	109	24	4	0	17	52
29/06/2023 01:00	2.4	111	22	4	0	17	52
29/06/2023 01:10	3.5	107	13	6.1	0	17.2	49
29/06/2023 01:20	3.4	106	13	5.7	0	17.2	50
29/06/2023 01:30	3.5	108	12	5.9	0	17.2	52
29/06/2023 01:40	4.3	106	13	6.5	0	17.2	51
29/06/2023 01:50	4.3	108	12	7	0	17.2	52
29/06/2023 02:00	4.7	107	12	7.4	0	17.1	51
29/06/2023 02:10	4.8	107	11	7.5	0	17	52
29/06/2023 02:20	5	108	12	7.8	0	17	52
29/06/2023 02:30	4.4	107	12	6.7	0	16.9	53
29/06/2023 02:40	5	110	12	7.6	0	16.9	51
29/06/2023 02:50	5.3	106	12	9.1	0	16.9	51
29/06/2023 03:00	5.3	108	10	7.9	0	16.7	52
29/06/2023 03:10	5.8	109	11	8.8	0	16.7	51
29/06/2023 03:20	5.8	107	12	8.8	0	16.7	51
29/06/2023 03:30	5.1	108	12	7.4	0	16.6	52
29/06/2023 03:40	4.6	107	13	7.3	0	16.5	53
29/06/2023 03:50	3.8	107	13	7.4	0	16.4	54
29/06/2023 04:00	4.3	108	14	7.5	0	16.4	54
29/06/2023 04:10	3.2	113	20	5.7	0	16.2	54
29/06/2023 04:20	3.1	119	22	6.4	0	16.1	54
29/06/2023 04:30	4	113	18	7.7	0	16.2	53
29/06/2023 04:40	4.1	111	16	6.8	0	16.2	53
29/06/2023 04:50	3.6	112	15	6.7	0	16.1	54
29/06/2023 05:00	3.8	114	19	6.8	0	16.1	54
29/06/2023 05:10	4	113	16	7.8	0	16.1	54
29/06/2023 05:20	4.6	108	16	8.7	0	16.1	55
29/06/2023 05:30	4.8	110	13	7.6	0	16.1	55
29/06/2023 05:40	3.5	113	20	6.1	0	15.9	56
29/06/2023 05:50	3.7	115	19	6.7	0	15.8	55
29/06/2023 06:00	4.9	113	17	7.9	0	15.9	55
29/06/2023 06:10	4.7	114	18	8.2	0	15.9	55
29/06/2023 06:20	5.1	109	13	9.1	0	15.8	55
29/06/2023 06:30	4.5	111	14	8.3	0	15.7	56
29/06/2023 06:40	4.3	111	18	8.6	0	15.6	56
29/06/2023 06:50	4.8	112	16	10.3	0	15.6	56
29/06/2023 07:00	5.2	108	13	9.2	0	15.5	55
29/06/2023 07:10	4.1	114	18	7.9	0	15.5	56
29/06/2023 07:20	3.7	122	22	8.6	0	15.6	55
29/06/2023 07:30	3.6	131	23	6.1	0	15.8	55
29/06/2023 07:40	4.2	133	21	8	0	15.8	55
29/06/2023 07:50	4.1	134	21	8.6	0	15.9	54
29/06/2023 08:00	3.7	123	22	7.6	0	16.1	54
29/06/2023 08:10	4.9	112	17	9.6	0	16.3	53
29/06/2023 08:20	6	107	14	10.1	0	16.3	52
29/06/2023 08:30	7.1	108	11	11	0	16.4	51



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/06/2023 08:40	6.9	110	12	11.3	0	16.6	51
29/06/2023 08:50	7.2	109	12	11.6	0	16.8	51
29/06/2023 09:00	7.5	108	12	11.9	0	16.9	49
29/06/2023 09:10	6.8	108	13	10.7	0	17.2	49
29/06/2023 09:20	6.4	106	11	11.6	0	17.5	50
29/06/2023 09:30	8.2	108	11	12.6	0	17.7	48
29/06/2023 09:40	8.5	105	10	12.4	0	17.8	48
29/06/2023 09:50	8.6	105	10	13.6	0	18	46
29/06/2023 10:00	8.4	106	11	12.8	0	18.1	46
29/06/2023 10:10	8	107	12	13	0	18.2	46
29/06/2023 10:20	7.9	107	11	12	0	18.4	45
29/06/2023 10:30	8.9	104	10	14.2	0	18.6	44
29/06/2023 10:40	8.2	102	10	12.3	0	18.7	44
29/06/2023 10:50	7.5	105	11	11.2	0	19	43
29/06/2023 11:00	7.5	104	11	11.3	0	19.1	44
29/06/2023 11:10	7.6	105	11	11.6	0	19.3	44
29/06/2023 11:20	8	106	11	12.3	0	19.5	43
29/06/2023 11:30	7.8	104	11	12	0	19.5	41
29/06/2023 11:40	7.7	107	12	11.5	0	19.8	41
29/06/2023 11:50	7.3	106	11	10.8	0	19.8	41
29/06/2023 12:00	7.3	106	10	10.8	0	20.1	42
29/06/2023 12:10	7.1	102	12	10.4	0	20.2	41
29/06/2023 12:20	6.8	107	11	10.7	0	20.2	40
29/06/2023 12:30	6.5	107	11	10.9	0	20.5	40
29/06/2023 12:40	5.8	107	14	9.3	0	20.8	39
29/06/2023 12:50	6.3	108	11	9.5	0	20.8	39
29/06/2023 13:00	6.6	106	12	9.5	0	20.8	39
29/06/2023 13:10	6	109	11	10.2	0	21	38
29/06/2023 13:20	5.9	106	13	9.4	0	21.1	39
29/06/2023 13:30	5.5	108	11	8.9	0	21.2	38
29/06/2023 13:40	4.4	117	18	7.6	0	21.8	37
29/06/2023 13:50	3.9	119	22	7	0	22.2	37
29/06/2023 14:00	5.4	111	14	9.1	0	22	35
29/06/2023 14:10	6	108	12	9	0	21.6	37
29/06/2023 14:20	5	109	12	7.9	0	22	35
29/06/2023 14:30	6.3	109	10	10	0	21.8	35
29/06/2023 14:40	5.6	106	12	8.8	0	21.9	34
29/06/2023 14:50	5.1	112	13	7.6	0	22	36
29/06/2023 15:00	5.4	108	12	8.4	0	22	35
29/06/2023 15:10	5.8	105	10	8.4	0	21.9	36
29/06/2023 15:20	5	108	12	7.7	0	22.2	36
29/06/2023 15:30	5.3	105	11	8.4	0	22.3	36
29/06/2023 15:40	4.4	110	14	7.3	0	22.2	35
29/06/2023 15:50	4.7	107	13	7.8	0	22.3	38
29/06/2023 16:00	4.6	107	12	7.6	0	22.3	36
29/06/2023 16:10	3.7	108	14	6.1	0	22.5	36
29/06/2023 16:20	4.8	105	13	7.2	0	22.2	35
29/06/2023 16:30	3.2	108	13	5.5	0	22.3	37



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
29/06/2023 16:40	2.9	111	16	4.9	0	22.2	40
29/06/2023 16:50	3.1	106	14	5	0	22.1	40
29/06/2023 17:00	2.7	110	17	4.8	0	22.1	40
29/06/2023 17:10	3.5	106	13	5.1	0	21.7	39
29/06/2023 17:20	3.1	106	12	5.3	0	21.3	41
29/06/2023 17:30	3.3	105	11	5	0	20.7	45
29/06/2023 17:40	3.5	105	13	5.6	0	20.3	47
29/06/2023 17:50	3.6	108	12	5.7	0	20.3	45
29/06/2023 18:00	3.6	106	11	5.5	0	20.3	44
29/06/2023 18:10	4.2	109	11	6	0	20.2	44
29/06/2023 18:20	3.7	105	11	6.3	0	20.2	42
29/06/2023 18:30	3.7	105	12	5.1	0	20.1	44
29/06/2023 18:40	3.5	106	13	5.6	0	20	44
29/06/2023 18:50	3.4	108	13	5.1	0	19.8	47
29/06/2023 19:00	3.7	107	11	5.4	0	19.6	50
29/06/2023 19:10	3.8	106	11	5.4	0	19.5	49
29/06/2023 19:20	3.9	107	12	6	0	19.5	49
29/06/2023 19:30	3.4	107	11	5.4	0	19.4	49
29/06/2023 19:40	3.4	106	11	5.2	0	19.3	50
29/06/2023 19:50	3.9	101	11	5.8	0	19.3	49
29/06/2023 20:00	4.1	100	11	6	0	19.5	45
29/06/2023 20:10	4.5	101	10	6.2	0	19.6	44
29/06/2023 20:20	4.2	104	11	6.3	0	19.4	46
29/06/2023 20:30	4.4	101	10	6.3	0	19.3	45
29/06/2023 20:40	4.6	100	10	7	0	19.3	44
29/06/2023 20:50	4.7	103	12	7.7	0	19.2	44
29/06/2023 21:00	4.6	105	10	7.2	0	19.2	44
29/06/2023 21:10	5	106	10	7	0	19.2	45
29/06/2023 21:20	4.6	107	11	7	0	19	47
29/06/2023 21:30	3.9	108	13	6.3	0	18.8	47
29/06/2023 21:40	3.2	108	15	6	0	18.5	47
29/06/2023 21:50	2.9	113	22	6.1	0	18.3	48
29/06/2023 22:00	2.2	126	29	4.8	0	18.1	48
29/06/2023 22:10	2.2	120	31	4.5	0	17.9	49
29/06/2023 22:20	2.5	136	27	4.9	0	17.9	50
29/06/2023 22:30	3.2	138	18	5.4	0	18	48
29/06/2023 22:40	3.4	140	18	7	0	18	48
29/06/2023 22:50	4.1	139	13	6.6	0	18.1	46
29/06/2023 23:00	4.4	139	17	7.6	0	18	45
29/06/2023 23:10	4.4	142	15	7.5	0	17.9	45
29/06/2023 23:20	4.1	139	14	6.9	0	17.9	44
29/06/2023 23:30	4.1	141	14	6.5	0	17.8	43
29/06/2023 23:40	4.1	138	16	6.5	0	17.8	44
29/06/2023 23:50	4	141	14	6.7	0	17.6	45
30/06/2023 00:00	4.5	140	14	7.6	0	17.6	44
30/06/2023 00:10							
30/06/2023 00:20							
30/06/2023 00:30							



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/06/2023 00:40							
30/06/2023 00:50							
30/06/2023 01:00							
30/06/2023 01:10							
30/06/2023 01:20							
30/06/2023 01:30							
30/06/2023 01:40							
30/06/2023 01:50							
30/06/2023 02:00							
30/06/2023 02:10							
30/06/2023 02:20							
30/06/2023 02:30							
30/06/2023 02:40							
30/06/2023 02:50							
30/06/2023 03:00							
30/06/2023 03:10							
30/06/2023 03:20							
30/06/2023 03:30							
30/06/2023 03:40							
30/06/2023 03:50							
30/06/2023 04:00							
30/06/2023 04:10							
30/06/2023 04:20							
30/06/2023 04:30							
30/06/2023 04:40							
30/06/2023 04:50							
30/06/2023 05:00							
30/06/2023 05:10							
30/06/2023 05:20							
30/06/2023 05:30							
30/06/2023 05:40							
30/06/2023 05:50							
30/06/2023 06:00							
30/06/2023 06:10							
30/06/2023 06:20							
30/06/2023 06:30							
30/06/2023 06:40							
30/06/2023 06:50							
30/06/2023 07:00							
30/06/2023 07:10							
30/06/2023 07:20							
30/06/2023 07:30							
30/06/2023 07:40							
30/06/2023 07:50							
30/06/2023 08:00							
30/06/2023 08:10							
30/06/2023 08:20							
30/06/2023 08:30							



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/06/2023 08:40							
30/06/2023 08:50							
30/06/2023 09:00							
30/06/2023 09:10							
30/06/2023 09:20							
30/06/2023 09:30							
30/06/2023 09:40							
30/06/2023 09:50							
30/06/2023 10:00							
30/06/2023 10:10							
30/06/2023 10:20							
30/06/2023 10:30							
30/06/2023 10:40							
30/06/2023 10:50							
30/06/2023 11:00							
30/06/2023 11:10							
30/06/2023 11:20							
30/06/2023 11:30							
30/06/2023 11:40							
30/06/2023 11:50							
30/06/2023 12:00							
30/06/2023 12:10							
30/06/2023 12:20							
30/06/2023 12:30							
30/06/2023 12:40							
30/06/2023 12:50							
30/06/2023 13:00							
30/06/2023 13:10							
30/06/2023 13:20							
30/06/2023 13:30							
30/06/2023 13:40							
30/06/2023 13:50							
30/06/2023 14:00							
30/06/2023 14:10							
30/06/2023 14:20							
30/06/2023 14:30							
30/06/2023 14:40							
30/06/2023 14:50							
30/06/2023 15:00							
30/06/2023 15:10							
30/06/2023 15:20							
30/06/2023 15:30							
30/06/2023 15:40							
30/06/2023 15:50							
30/06/2023 16:00							
30/06/2023 16:10							
30/06/2023 16:20							
30/06/2023 16:30							





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
30/06/2023 16:40							
30/06/2023 16:50							
30/06/2023 17:00							
30/06/2023 17:10							
30/06/2023 17:20							
30/06/2023 17:30							
30/06/2023 17:40							
30/06/2023 17:50							
30/06/2023 18:00							
30/06/2023 18:10							
30/06/2023 18:20							
30/06/2023 18:30							
30/06/2023 18:40							
30/06/2023 18:50							
30/06/2023 19:00							
30/06/2023 19:10							
30/06/2023 19:20							
30/06/2023 19:30							
30/06/2023 19:40							
30/06/2023 19:50							
30/06/2023 20:00							
30/06/2023 20:10							
30/06/2023 20:20							
30/06/2023 20:30							
30/06/2023 20:40							
30/06/2023 20:50							
30/06/2023 21:00							
30/06/2023 21:10							
30/06/2023 21:20							
30/06/2023 21:30							
30/06/2023 21:40							
30/06/2023 21:50							
30/06/2023 22:00							
30/06/2023 22:10							
30/06/2023 22:20							
30/06/2023 22:30							
30/06/2023 22:40							
30/06/2023 22:50							
30/06/2023 23:00							
30/06/2023 23:10							
30/06/2023 23:20							
30/06/2023 23:30							
30/06/2023 23:40							
30/06/2023 23:50							
01/07/2023 00:00							
01/07/2023 00:10	3.9	139	15	6.4	0	17.8	43
01/07/2023 00:20	4	137	16	7	0	17.7	45
01/07/2023 00:30	3.4	136	19	5.9	0	17.6	48



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/07/2023 00:40	3.3	137	23	6.1	0	17.3	50
01/07/2023 00:50	2.8	134	25	5.2	0	17.3	49
01/07/2023 01:00	2.8	132	25	6.2	0	17.2	49
01/07/2023 01:10	2.8	134	22	5.1	0	17	49
01/07/2023 01:20	2.8	138	22	5.5	0	16.9	50
01/07/2023 01:30	2.5	133	29	5.1	0	16.8	50
01/07/2023 01:40	2.5	136	25	4.8	0	16.7	50
01/07/2023 01:50	3.1	109	20	4.7	0	16.7	49
01/07/2023 02:00	2.9	113	21	5	0	16.8	48
01/07/2023 02:10	3.4	112	22	5.5	0	16.8	48
01/07/2023 02:20	4.6	110	13	7.6	0	16.9	46
01/07/2023 02:30	4.6	107	13	7.5	0	16.9	47
01/07/2023 02:40	5.6	109	13	8.4	0	16.9	46
01/07/2023 02:50	5.9	106	11	9.5	0	16.8	45
01/07/2023 03:00	6.4	107	11	10.3	0	16.8	45
01/07/2023 03:10	6.8	107	12	10	0	16.7	46
01/07/2023 03:20	7.6	107	10	11.2	0	16.6	45
01/07/2023 03:30	7	107	12	11.4	0	16.6	46
01/07/2023 03:40	6.9	108	11	10.5	0	16.5	46
01/07/2023 03:50	7.4	109	12	11.8	0	16.4	45
01/07/2023 04:00	7.6	108	12	12.5	0	16.4	45
01/07/2023 04:10	7.7	108	12	12.6	0	16.3	45
01/07/2023 04:20	8.3	107	10	13.3	0	16.3	45
01/07/2023 04:30	8.4	106	11	12.3	0	16.2	46
01/07/2023 04:40	9.5	106	11	14.6	0	16.2	45
01/07/2023 04:50	8.8	106	11	13.6	0	16.1	46
01/07/2023 05:00	9.7	107	11	15.2	0	16.1	45
01/07/2023 05:10	8.2	105	10	13.1	0	15.9	48
01/07/2023 05:20	7.9	105	11	12.4	0	15.8	47
01/07/2023 05:30	8.5	104	11	13	0	15.7	47
01/07/2023 05:40	8.1	108	11	13.1	0	15.6	47
01/07/2023 05:50	8.7	108	10	12.8	0	15.5	48
01/07/2023 06:00	8.4	106	10	12.8	0	15.4	47
01/07/2023 06:10	8.4	106	10	13.4	0	15.4	48
01/07/2023 06:20	7.8	107	10	10.9	0	15.2	49
01/07/2023 06:30	7.1	106	10	11.1	0	15.1	50
01/07/2023 06:40	7.9	108	12	12.2	0	15.1	50
01/07/2023 06:50	7.7	106	11	11.7	0	15	50
01/07/2023 07:00	7.7	106	10	12	0	14.9	50
01/07/2023 07:10	7.2	105	11	10.8	0	14.9	51
01/07/2023 07:20	7.4	107	11	12.2	0	14.9	50
01/07/2023 07:30	7.4	107	12	11.5	0	15.1	50
01/07/2023 07:40	8.4	108	11	12.3	0	15.2	49
01/07/2023 07:50	8.2	107	11	13.5	0	15.2	50
01/07/2023 08:00	8	107	13	12.5	0	15.3	50
01/07/2023 08:10	8.7	109	13	12.9	0	15.5	49
01/07/2023 08:20	8.7	107	11	13.4	0	15.6	49
01/07/2023 08:30	8.5	108	10	13.3	0	15.7	49



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/07/2023 08:40	8.2	107	10	12.3	0	15.9	49
01/07/2023 08:50	8.4	108	11	12.3	0	16.1	48
01/07/2023 09:00	7.9	105	11	11.5	0	16.4	49
01/07/2023 09:10	7.8	108	11	11.5	0	16.6	49
01/07/2023 09:20	8.9	109	9	12.8	0	16.8	49
01/07/2023 09:30	7.8	106	11	11.5	0	17	49
01/07/2023 09:40	7.6	103	11	11.4	0	17.4	48
01/07/2023 09:50	8.2	104	11	11.9	0	17.5	47
01/07/2023 10:00	8	103	10	11.9	0	17.8	46
01/07/2023 10:10	8	108	11	11.1	0	17.9	46
01/07/2023 10:20	7.9	105	10	11.4	0	18	45
01/07/2023 10:30	7.4	103	11	11.1	0	18.3	44
01/07/2023 10:40	8.1	103	11	12	0	18.5	44
01/07/2023 10:50	8.6	104	11	11.9	0	18.5	44
01/07/2023 11:00	9	100	10	12.8	0	18.7	44
01/07/2023 11:10	10.1	95	9	15.8	0	19	42
01/07/2023 11:20	10.6	95	10	14.9	0	19.1	41
01/07/2023 11:30	9.6	98	10	13.2	0	19.1	42
01/07/2023 11:40	9.4	96	10	13.9	0	19.4	41
01/07/2023 11:50	9.3	93	8	13.3	0	19.5	42
01/07/2023 12:00	9.7	90	9	13.4	0	19.5	41
01/07/2023 12:10	8.6	92	9	12.9	0	19.6	41
01/07/2023 12:20	9.6	89	9	13.8	0	19.5	42
01/07/2023 12:30	9.4	89	8	13.8	0	19.7	41
01/07/2023 12:40	8.9	85	9	12.5	0	19.7	42
01/07/2023 12:50	8.2	89	8	12.6	0	19.9	43
01/07/2023 13:00	9.4	84	9	12.5	0	19.9	42
01/07/2023 13:10	8.3	84	8	11.3	0	19.8	42
01/07/2023 13:20	7.5	83	9	11.3	0	20.1	42
01/07/2023 13:30	7.5	81	10	10.3	0	20.3	42
01/07/2023 13:40	8.1	83	8	11.2	0	20.1	44
01/07/2023 13:50	8.4	77	6	11.1	0	19.6	45
01/07/2023 14:00	7.6	73	7	10.3	0	19.8	46
01/07/2023 14:10	7	78	9	9.3	0	20.1	45
01/07/2023 14:20	6.3	80	10	9.1	0	20	46
01/07/2023 14:30	6.1	82	10	8.8	0	20.6	46
01/07/2023 14:40	7.3	78	7	9.6	0	20.3	45
01/07/2023 14:50	6.8	73	8	8.8	0	20.1	47
01/07/2023 15:00	7	77	7	9.4	0	19.9	47
01/07/2023 15:10	6.3	80	8	8.9	0	20.2	47
01/07/2023 15:20	6.1	77	8	8.2	0	20.2	47
01/07/2023 15:30	6	78	10	8.5	0	20.4	46
01/07/2023 15:40	5.4	75	8	7.5	0	20.5	46
01/07/2023 15:50	4.9	78	12	7.2	0	21	47
01/07/2023 16:00	5.3	74	8	7.2	0	20.8	47
01/07/2023 16:10	4.8	75	8	6.5	0	20.6	49
01/07/2023 16:20	3.9	80	10	5.2	0	20.8	50
01/07/2023 16:30	4	90	12	5.8	0	21	49



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
01/07/2023 16:40	4.8	96	11	7.4	0	21.5	43
01/07/2023 16:50	3.7	76	10	5.6	0	20.5	52
01/07/2023 17:00	3.7	107	13	5.4	0	21.3	44
01/07/2023 17:10	3.8	108	14	5.8	0	21.3	43
01/07/2023 17:20	3.5	104	13	5.2	0	20.7	49
01/07/2023 17:30	3.4	105	15	5	0	20.2	46
01/07/2023 17:40	2.8	110	17	4.9	0	20.1	47
01/07/2023 17:50	2.4	100	12	4	0	19.5	54
01/07/2023 18:00	2.3	106	16	4.1	0	19.3	53
01/07/2023 18:10	2.1	106	19	3.6	0	19.3	51
01/07/2023 18:20	2.6	107	16	4.9	0	19.3	51
01/07/2023 18:30	2.5	110	16	4.9	0	19.3	52
01/07/2023 18:40	2	106	19	3.6	0	19.2	52
01/07/2023 18:50	1.5	107	20	2.7	0	18.8	56
01/07/2023 19:00	1.4	106	32	2.7	0	18.4	59
01/07/2023 19:10	1.9	103	19	3.4	0	18.3	60
01/07/2023 19:20	1.7	106	23	3	0	18.3	60
01/07/2023 19:30	1.6	113	30	3.1	0	18.1	61
01/07/2023 19:40	1.6	105	21	3	0	18.2	55
01/07/2023 19:50	2.1	87	13	3.2	0	17.6	62
01/07/2023 20:00	1.5	114	23	2.6	0	17.9	55
01/07/2023 20:10	1.5	92	24	3.2	0	17.8	56
01/07/2023 20:20	1.5	98	28	3.1	0	17.3	61
01/07/2023 20:30	1.4	108	28	3	0	17.3	60
01/07/2023 20:40	1.6	101	23	2.7	0	17.6	50
01/07/2023 20:50	1.7	114	25	3	0	17.6	48
01/07/2023 21:00	1.5	115	20	2.5	0	17.7	52
01/07/2023 21:10	1.6	102	25	3.2	0	17.4	57
01/07/2023 21:20	1.7	88	18	3.1	0	16.9	65
01/07/2023 21:30	1.5	123	34	3.1	0	16.7	61
01/07/2023 21:40	1.5	112	23	2.6	0	17.1	57
01/07/2023 21:50	1.8	116	24	3	0	17.3	52
01/07/2023 22:00	1.7	106	28	3.9	0	17.2	53
01/07/2023 22:10	1.7	97	21	2.9	0	17	60
01/07/2023 22:20	2.1	100	17	3.4	0	17.1	59
01/07/2023 22:30	1.5	123	27	3	0	16.9	56
01/07/2023 22:40	2.2	131	21	3.8	0	17.1	52
01/07/2023 22:50	2.5	132	16	4.8	0	17.6	47
01/07/2023 23:00	2.1	130	23	4.2	0	17.3	49
01/07/2023 23:10	2.4	134	20	4.2	0	17.5	45
01/07/2023 23:20	2.3	143	17	4.2	0	17.6	45
01/07/2023 23:30	2.5	144	15	4.4	0	17.5	47
01/07/2023 23:40	2.8	141	16	4.1	0	17.3	49
01/07/2023 23:50	2.8	138	18	4.8	0	17.2	49
02/07/2023 00:00	3	139	15	4.8	0	17.1	49
02/07/2023 00:10	2.5	130	26	6	0	16.8	52
02/07/2023 00:20	2.3	127	30	4.2	0	16.3	57
02/07/2023 00:30	2.6	133	28	5.2	0	16.4	56



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/07/2023 00:40	2.1	111	30	3.8	0	16.2	58
02/07/2023 00:50	1.9	116	32	3.4	0	16.2	60
02/07/2023 01:00	2.4	107	27	4.6	0	16.3	59
02/07/2023 01:10	3.4	107	13	5.4	0	16.7	55
02/07/2023 01:20	4.5	107	13	7.9	0	16.8	54
02/07/2023 01:30	4.8	106	12	7.4	0	16.8	53
02/07/2023 01:40	4.7	108	13	7.6	0	16.7	54
02/07/2023 01:50	5.1	107	13	8.3	0	16.7	54
02/07/2023 02:00	5	108	14	8	0	16.8	53
02/07/2023 02:10	5.5	106	13	8.6	0	16.8	53
02/07/2023 02:20	6.2	107	11	9.3	0	16.8	52
02/07/2023 02:30	5.9	107	11	9.3	0	16.7	52
02/07/2023 02:40	6	106	12	9.2	0	16.7	52
02/07/2023 02:50	6.4	108	11	9.9	0	16.7	51
02/07/2023 03:00	6	107	12	9.2	0	16.6	51
02/07/2023 03:10	6.9	106	11	10.2	0	16.6	51
02/07/2023 03:20	6.8	106	11	10.4	0	16.5	51
02/07/2023 03:30	6.6	107	11	9.1	0	16.4	52
02/07/2023 03:40	7.4	108	11	10.5	0	16.4	50
02/07/2023 03:50	7.4	109	11	11.2	0	16.4	49
02/07/2023 04:00	6.9	107	11	10.3	0	16.2	51
02/07/2023 04:10	6.7	106	11	10.1	0	16.1	51
02/07/2023 04:20	6.4	108	10	9.9	0	16	52
02/07/2023 04:30	6.8	106	11	10.1	0	16.1	51
02/07/2023 04:40	7.7	107	10	11.6	0	16.1	50
02/07/2023 04:50	8	105	10	11.9	0	16.1	50
02/07/2023 05:00	7.7	102	10	11.8	0	16.1	49
02/07/2023 05:10	8.1	104	11	11.8	0	16	50
02/07/2023 05:20	7.7	106	12	12.2	0	15.9	51
02/07/2023 05:30	7.8	106	10	12.3	0	15.9	52
02/07/2023 05:40	8.6	106	9	12.5	0	16	52
02/07/2023 05:50	8.6	105	9	12.3	0	15.9	52
02/07/2023 06:00	8.8	104	10	13.2	0	15.9	52
02/07/2023 06:10	9.1	105	12	14	0	15.9	51
02/07/2023 06:20	9.3	105	10	14.2	0	15.9	52
02/07/2023 06:30	9.5	104	10	14.1	0	15.8	51
02/07/2023 06:40	9.1	105	9	14.2	0	15.7	52
02/07/2023 06:50	8.7	104	10	13.4	0	15.6	53
02/07/2023 07:00	8.3	103	10	11.9	0	15.5	54
02/07/2023 07:10	8.6	104	10	12.9	0	15.4	53
02/07/2023 07:20	8.3	105	11	12.3	0	15.5	53
02/07/2023 07:30	8.3	103	11	12.8	0	15.6	53
02/07/2023 07:40	7.4	104	10	11.9	0	15.6	53
02/07/2023 07:50	7.7	104	11	11.7	0	15.6	52
02/07/2023 08:00	7.5	104	10	10.8	0	15.7	53
02/07/2023 08:10	7.2	102	11	9.7	0	15.8	52
02/07/2023 08:20	6.9	104	12	9.9	0	16	52
02/07/2023 08:30	7.1	106	10	10.3	0	16	52



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/07/2023 08:40	6.7	106	10	10.1	0	16	52
02/07/2023 08:50	7	105	11	11	0	16.2	51
02/07/2023 09:00	7.3	104	11	11.8	0	16.4	51
02/07/2023 09:10	6.5	104	11	10.7	0	16.6	51
02/07/2023 09:20	9	95	9	12.3	0	16.6	50
02/07/2023 09:30	9.1	94	7	12.1	0	16.6	50
02/07/2023 09:40	8.3	96	8	11.3	0	16.9	51
02/07/2023 09:50	8.9	95	8	13	0	16.9	51
02/07/2023 10:00	8.9	93	9	13.1	0	16.9	51
02/07/2023 10:10	8.1	99	11	11.9	0	17.3	51
02/07/2023 10:20	8.2	100	9	12.1	0	17.2	52
02/07/2023 10:30	8.5	95	9	11.9	0	17.4	51
02/07/2023 10:40	7.7	98	10	11.6	0	17.8	51
02/07/2023 10:50	9.3	94	8	12.4	0	17.7	51
02/07/2023 11:00	8.2	96	9	12.2	0	17.8	51
02/07/2023 11:10	8.1	97	10	11.1	0	18.1	51
02/07/2023 11:20	8.3	92	9	11.6	0	18.2	51
02/07/2023 11:30	7.9	93	10	11	0	18.6	50
02/07/2023 11:40	8.2	89	9	11.4	0	18.7	50
02/07/2023 11:50	8.6	86	7	11.5	0	18.6	50
02/07/2023 12:00	7.6	90	10	11	0	18.8	50
02/07/2023 12:10	7.6	88	9	10.1	0	18.9	50
02/07/2023 12:20	7.3	86	8	10.1	0	19.2	49
02/07/2023 12:30	7.3	89	9	10.1	0	19.3	49
02/07/2023 12:40	6.5	91	9	8.7	0	19.4	49
02/07/2023 12:50	7	85	8	9.8	0	19.4	49
02/07/2023 13:00	6.9	85	9	10	0	19.5	49
02/07/2023 13:10	7	77	11	9.3	0	19.6	50
02/07/2023 13:20	6.5	74	9	8.8	0	19.2	53
02/07/2023 13:30	7	70	7	8.9	0	19.2	53
02/07/2023 13:40	7.4	73	7	9.1	0	19	54
02/07/2023 13:50	6.9	76	8	9	0	19.2	53
02/07/2023 14:00	6	74	10	8.6	0	19.8	52
02/07/2023 14:10	6.3	63	8	8.6	0	19.6	53
02/07/2023 14:20	6.4	56	8	8.2	0	19.7	51
02/07/2023 14:30	6	53	6	8	0	19.7	53
02/07/2023 14:40	6	54	6	7.8	0	19.6	53
02/07/2023 14:50	5.7	58	7	7.4	0	19.6	52
02/07/2023 15:00	5.5	64	10	7.5	0	19.7	50
02/07/2023 15:10	5.1	60	8	6.9	0	19.8	51
02/07/2023 15:20	4.7	51	10	6.6	0	19.9	51
02/07/2023 15:30	4.2	49	12	5.8	0	20	50
02/07/2023 15:40	4.6	52	9	6.1	0	19.9	50
02/07/2023 15:50	4.6	54	7	6	0	19.9	49
02/07/2023 16:00	4.3	53	7	5.5	0	20.1	48
02/07/2023 16:10	4	56	6	4.9	0	20.3	47
02/07/2023 16:20	4	56	6	5.1	0	20.5	46
02/07/2023 16:30	4.3	56	7	5.4	0	20.2	48



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
02/07/2023 16:40	3.8	54	8	5.1	0	20.3	46
02/07/2023 16:50	4	55	5	4.9	0	20.2	46
02/07/2023 17:00	3.3	54	7	4.5	0	20.2	45
02/07/2023 17:10	2.8	54	7	4	0	20.1	46
02/07/2023 17:20	1.9	54	7	2.4	0	20	48
02/07/2023 17:30	1.4	58	10	2.1	0	19.4	50
02/07/2023 17:40	1.5	204	17	2.5	0	19	51
02/07/2023 17:50	2.4	335	8	3.3	0	18.9	59
02/07/2023 18:00	2.5	335	9	3.5	0	18.8	58
02/07/2023 18:10	2.5	343	7	3.8	0	18.5	61
02/07/2023 18:20	2.5	351	10	3.6	0	18.3	62
02/07/2023 18:30	2.2	347	8	2.8	0	18.2	63
02/07/2023 18:40	1.8	327	9	2.7	0	18.1	64
02/07/2023 18:50	1.9	337	5	2.5	0	18	63
02/07/2023 19:00	1.1	32	39	1.8	0	17.8	64
02/07/2023 19:10	0.9	344	15	1.5	0	17.3	65
02/07/2023 19:20	0.8	278	34	1.3	0	17.1	66
02/07/2023 19:30	0.8	266	22	1.4	0	17.2	67
02/07/2023 19:40	0.7	273	29	1.2	0	17.3	66
02/07/2023 19:50	0.6	252	31	1.1	0	17.3	66
02/07/2023 20:00	0.6	151	31	0.9	0	16.9	67
02/07/2023 20:10	0.5	29	18	0.8	0	16.4	69
02/07/2023 20:20	0.2	339	64	0.4	0	16	70
02/07/2023 20:30	0.4	197	30	0.7	0	16.1	70
02/07/2023 20:40	0.3	30	26	0.7	0	16.1	70
02/07/2023 20:50	0.5	179	35	0.9	0	16.1	70
02/07/2023 21:00	0.4	60	36	0.7	0	16.3	70
02/07/2023 21:10	0.9	91	41	1.6	0	16.3	70
02/07/2023 21:20	1.7	247	15	2.3	0	15.1	72
02/07/2023 21:30	1.6	264	16	2.4	0	15.5	72
02/07/2023 21:40	1.2	254	17	1.8	0	15.8	71
02/07/2023 21:50	1.4	250	13	2.1	0	16	71
02/07/2023 22:00	1.1	252	16	2.2	0	15.8	71
02/07/2023 22:10	1.2	265	11	1.8	0	15.5	71
02/07/2023 22:20	1.7	250	14	2.7	0	15.7	71
02/07/2023 22:30	1.9	249	12	2.6	0	15.8	71
02/07/2023 22:40	2.7	264	8	4	0	15.7	71
02/07/2023 22:50	2.6	268	7	3.3	0	15.8	70
02/07/2023 23:00	2.1	264	9	2.9	0	15.8	70
02/07/2023 23:10	1.9	268	9	2.7	0	15.6	70
02/07/2023 23:20	2.3	273	10	3.2	0	15.4	71
02/07/2023 23:30	2.5	270	8	3.3	0	15.4	70
02/07/2023 23:40	2.3	260	8	3.2	0	15.4	70
02/07/2023 23:50	1.8	243	15	3.4	0	15.7	69
03/07/2023 00:00	1.9	245	25	3	0	15.6	69
03/07/2023 00:10	1.2	258	30	2	0	15.4	69
03/07/2023 00:20	1.4	276	12	2.3	0	15.1	70
03/07/2023 00:30	1.8	262	8	2.7	0	15	70



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/07/2023 00:40	2.1	266	11	2.8	0	14.9	70
03/07/2023 00:50	2.2	259	9	3	0	15.1	69
03/07/2023 01:00	1.9	264	9	2.6	0	15.1	69
03/07/2023 01:10	2.1	258	9	2.9	0	14.8	70
03/07/2023 01:20	2	271	7	2.7	0	14.7	69
03/07/2023 01:30	1.7	256	18	2.6	0	14.6	70
03/07/2023 01:40	2.2	255	10	3.1	0	15.1	67
03/07/2023 01:50	2.1	264	9	2.8	0	14.5	70
03/07/2023 02:00	1.9	267	9	2.6	0	14.5	70
03/07/2023 02:10	1.8	247	15	2.8	0	14.6	70
03/07/2023 02:20	0.5	55	63	1.3	0	14.8	68
03/07/2023 02:30	0.7	192	51	1.5	0	14.6	69
03/07/2023 02:40	1.4	242	33	2.6	0	14.9	67
03/07/2023 02:50	1.5	233	12	2.4	0	15.2	67
03/07/2023 03:00	0.8	182	38	1.5	0	15.1	67
03/07/2023 03:10	0.7	175	54	1.2	0	14.9	68
03/07/2023 03:20	0.7	183	55	1.4	0	15	67
03/07/2023 03:30	1.2	220	15	2.1	0	15.4	65
03/07/2023 03:40	1	214	28	2.1	0	15.5	64
03/07/2023 03:50	0.7	198	48	1.7	0	15.1	66
03/07/2023 04:00	1	123	33	2.1	0	14.9	67
03/07/2023 04:10	1.9	170	19	2.9	0	14.9	67
03/07/2023 04:20	1.3	150	23	2.3	0	14.8	67
03/07/2023 04:30	1.2	158	19	2	0	14.8	66
03/07/2023 04:40	1.8	171	13	2.7	0	14.9	65
03/07/2023 04:50	2.2	169	13	3.1	0	15.1	63
03/07/2023 05:00	1.9	178	10	2.7	0	15.1	62
03/07/2023 05:10	1.4	125	22	2.3	0	14.7	63
03/07/2023 05:20	2.1	112	15	3.8	0	14.5	61
03/07/2023 05:30	2.1	108	12	3.3	0	14.3	63
03/07/2023 05:40	2	107	11	3.1	0	13.9	66
03/07/2023 05:50	2.1	106	10	3	0	13.2	69
03/07/2023 06:00	1.7	98	12	2.3	0	13	71
03/07/2023 06:10	1.8	101	10	2.7	0	12.7	72
03/07/2023 06:20	2	112	10	3	0	13.4	71
03/07/2023 06:30	2.3	112	8	3.6	0	14.1	68
03/07/2023 06:40	2.2	108	10	3.6	0	13.9	69
03/07/2023 06:50	1.9	103	8	2.5	0	13.6	70
03/07/2023 07:00	2	107	8	2.7	0	13.5	70
03/07/2023 07:10	1.7	98	12	2.3	0	13.6	69
03/07/2023 07:20	1.5	90	10	1.9	0	13.5	70
03/07/2023 07:30	2.1	92	6	3.2	0	14.1	68
03/07/2023 07:40	2.5	89	6	3.5	0	14.9	64
03/07/2023 07:50	2.3	86	9	3.1	0	15.5	62
03/07/2023 08:00	2.3	91	10	3	0	16	59
03/07/2023 08:10	2.6	104	10	3.7	0	16.6	57
03/07/2023 08:20	2.6	102	11	3.8	0	17	56
03/07/2023 08:30	2.8	103	11	4.3	0	17.1	54





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/07/2023 08:40	3	104	12	4.5	0	17.2	52
03/07/2023 08:50	2.9	101	12	4.4	0	17.5	51
03/07/2023 09:00	3.7	98	10	5.1	0	17.4	51
03/07/2023 09:10	3.2	99	12	4.5	0	17.4	51
03/07/2023 09:20	3.2	108	11	4.9	0	17.4	51
03/07/2023 09:30	3.1	102	11	4.7	0	17.6	51
03/07/2023 09:40	2.4	103	15	3.9	0	17.8	52
03/07/2023 09:50	2.3	116	18	3.5	0	18.3	51
03/07/2023 10:00	2.9	104	12	4.5	0	18.4	51
03/07/2023 10:10	3.8	98	12	5.7	0	18.6	51
03/07/2023 10:20	4.8	90	8	6.3	0	18.5	52
03/07/2023 10:30	4.2	103	11	6.1	0	18.8	50
03/07/2023 10:40	3.8	89	11	5.3	0	19	51
03/07/2023 10:50	3.9	94	14	5.9	0	18.8	53
03/07/2023 11:00	3.5	104	15	5.3	0	18.9	54
03/07/2023 11:10	3.5	93	13	4.9	0	19.1	55
03/07/2023 11:20	3.5	99	14	5.6	0	19	56
03/07/2023 11:30	3.9	99	15	5.2	0	19	57
03/07/2023 11:40	3.5	102	21	5.4	0	19.3	56
03/07/2023 11:50	3.8	77	12	5.6	0	19.7	56
03/07/2023 12:00	3.8	75	13	6.3	0	20	56
03/07/2023 12:10	3.4	92	16	5.4	0	20.6	55
03/07/2023 12:20	4	89	12	5.9	0	20.7	55
03/07/2023 12:30	3.8	127	18	6	0	20.7	55
03/07/2023 12:40	3.2	119	18	5	0	20.8	56
03/07/2023 12:50	3.8	99	13	5.4	0	20.7	56
03/07/2023 13:00	3.1	111	17	4.7	0	21.2	54
03/07/2023 13:10	4.3	89	12	5.7	0	21.3	53
03/07/2023 13:20	4	102	13	6.2	0	21.5	54
03/07/2023 13:30	4	83	12	5.7	0	21.7	53
03/07/2023 13:40	4	77	11	5.5	0	21.9	51
03/07/2023 13:50	4.4	80	9	6	0	21.6	50
03/07/2023 14:00	4.4	83	11	5.9	0	21.8	49
03/07/2023 14:10	4.3	73	11	5.8	0	21.9	51
03/07/2023 14:20	4	79	13	5.2	0	22	49
03/07/2023 14:30	4.4	64	10	5.9	0	22.1	47
03/07/2023 14:40	4	65	10	5.2	0	22.2	45
03/07/2023 14:50	3.2	80	16	4.7	0	22.6	44
03/07/2023 15:00	2.7	92	17	4.1	0	22.6	43
03/07/2023 15:10	3.2	88	11	5	0	22.7	43
03/07/2023 15:20	3	86	15	4.7	0	22.3	44
03/07/2023 15:30	2.6	87	18	3.7	0	22.4	44
03/07/2023 15:40	2.8	74	14	4.2	0	22.5	43
03/07/2023 15:50	2.8	79	12	4	0	22.5	44
03/07/2023 16:00	2.4	52	15	3.8	0	22.4	44
03/07/2023 16:10	3.1	49	13	4.1	0	22.2	48
03/07/2023 16:20	3.2	53	6	3.9	0	21.7	47
03/07/2023 16:30	2.4	53	9	3.2	0	22.1	44



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
03/07/2023 16:40	2.4	60	12	3.3	0	22.3	43
03/07/2023 16:50	2.5	64	7	3.5	0	22.2	43
03/07/2023 17:00	1.8	52	8	2.5	0	22.2	43
03/07/2023 17:10	1.8	27	18	2.6	0	22.1	43
03/07/2023 17:20	2.4	338	11	3.5	0	21.7	47
03/07/2023 17:30	2.7	340	9	3.7	0	20.8	51
03/07/2023 17:40	2.1	333	16	3.3	0	20.5	52
03/07/2023 17:50	3	331	8	3.8	0	20.4	54
03/07/2023 18:00	2.6	322	8	3.5	0	20.2	55
03/07/2023 18:10	2.2	341	11	3.4	0	20.1	55
03/07/2023 18:20	2.3	345	7	3.1	0	19.8	57
03/07/2023 18:30	2.5	339	9	3.2	0	19.8	56
03/07/2023 18:40	2.2	336	9	3.1	0	19.8	57
03/07/2023 18:50	1.7	334	10	2.3	0	19.6	57
03/07/2023 19:00	2.2	324	7	2.9	0	19.5	57
03/07/2023 19:10	2.2	328	8	2.8	0	19.5	58
03/07/2023 19:20	1.7	321	7	2.6	0	19.4	59
03/07/2023 19:30	2	326	6	2.6	0	19.3	60
03/07/2023 19:40	1.8	324	8	2.4	0	19.2	61
03/07/2023 19:50	1.6	319	8	2.1	0	19.1	62
03/07/2023 20:00	1	294	14	1.4	0	18.6	63
03/07/2023 20:10	1	272	15	1.3	0	18.5	64
03/07/2023 20:20	0.9	294	19	1.3	0	18.4	64
03/07/2023 20:30	0.9	268	19	1.5	0	18	66
03/07/2023 20:40	1.5	241	8	2.1	0	17.8	68
03/07/2023 20:50	2.1	257	8	2.5	0	17.4	70
03/07/2023 21:00	2.5	302	10	3.3	0	18.2	69
03/07/2023 21:10	2.8	285	7	3.7	0	18.6	70
03/07/2023 21:20	2.4	287	9	3.5	0	18	71
03/07/2023 21:30	2.3	287	6	2.9	0	17.4	71
03/07/2023 21:40	3	280	6	3.6	0	17.4	71
03/07/2023 21:50	2.9	270	4	3.3	0	17.2	69
03/07/2023 22:00	3	273	4	3.5	0	17.2	66
03/07/2023 22:10	3	270	3	3.4	0	17.1	65
03/07/2023 22:20	3.1	274	4	3.5	0	16.9	63
03/07/2023 22:30	3.4	275	4	4.2	0	17.3	59
03/07/2023 22:40	3.3	273	5	3.8	0	17.5	57
03/07/2023 22:50	3.1	272	4	3.6	0	17.1	59
03/07/2023 23:00	3	274	3	3.3	0	16.7	59
03/07/2023 23:10	2.9	278	5	3.3	0	16.9	57
03/07/2023 23:20	2.7	282	6	3.4	0	17.1	55
03/07/2023 23:30	2.8	276	6	3.6	0	16.9	56
03/07/2023 23:40	2.9	274	5	3.5	0	16.8	57
03/07/2023 23:50	3.1	275	4	3.6	0	16.6	58
04/07/2023 00:00	3.5	275	3	4	0	16.8	56
04/07/2023 00:10	3.2	269	3	3.8	0	16.5	56
04/07/2023 00:20	2.4	260	6	3.1	0	16.2	58
04/07/2023 00:30	2.3	263	13	3.1	0	16	59



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/07/2023 00:40	1.9	271	12	2.7	0	16.6	53
04/07/2023 00:50	2.2	263	12	3.5	0	16.9	53
04/07/2023 01:00	2.6	260	11	3.7	0	16.9	55
04/07/2023 01:10	2.5	247	16	3.6	0	17	54
04/07/2023 01:20	1.8	239	20	3.2	0	17	52
04/07/2023 01:30	2.3	246	17	3.5	0	16.9	51
04/07/2023 01:40	2.3	247	14	3.3	0	16.9	51
04/07/2023 01:50	2.1	248	13	3.1	0	16.8	51
04/07/2023 02:00	1.6	252	11	2.5	0	16.6	51
04/07/2023 02:10	1.2	253	15	2.1	0	16.2	52
04/07/2023 02:20	2	256	11	3.1	0	16.2	52
04/07/2023 02:30	2.3	240	16	3.2	0	16.8	49
04/07/2023 02:40	1.3	171	31	2.4	0	17	48
04/07/2023 02:50	0.6	42	36	1.3	0	16.6	49
04/07/2023 03:00	1	219	54	1.9	0	16.9	48
04/07/2023 03:10	0.4	124	51	1	0	16.6	48
04/07/2023 03:20	0.6	320	45	1.2	0	16.4	49
04/07/2023 03:30	0.8	120	31	1.5	0	16.3	50
04/07/2023 03:40	0.9	142	20	1.6	0	16.3	50
04/07/2023 03:50	1.5	191	19	2.7	0	16.5	49
04/07/2023 04:00	0.5	132	46	1.1	0	16.4	49
04/07/2023 04:10	1.3	159	25	2.5	0	16.3	49
04/07/2023 04:20	1.1	174	28	2.2	0	16.5	48
04/07/2023 04:30	0.6	258	47	1.2	0	16.2	49
04/07/2023 04:40	0.5	36	48	1	0	15.9	50
04/07/2023 04:50	0.6	29	31	1.3	0	15.8	51
04/07/2023 05:00	0.9	182	16	1.5	0	15.7	51
04/07/2023 05:10	0.9	43	22	1.6	0	15.6	51
04/07/2023 05:20	1	52	16	1.6	0	15.5	52
04/07/2023 05:30	1.2	177	27	2.1	0	15.3	53
04/07/2023 05:40	1	303	25	1.6	0	15.6	51
04/07/2023 05:50	0.9	314	40	1.7	0	16.2	49
04/07/2023 06:00	1.3	189	15	2	0	15.8	50
04/07/2023 06:10	0.8	30	20	1.6	0	16	50
04/07/2023 06:20	0.6	86	42	1.4	0	16.1	49
04/07/2023 06:30	1.2	160	18	2.5	0	15.7	51
04/07/2023 06:40	1.4	128	25	2.6	0	15.7	51
04/07/2023 06:50	1.2	124	38	2.3	0	15.2	54
04/07/2023 07:00	2.7	163	14	4	0	16	51
04/07/2023 07:10	2.6	169	14	4	0	16.2	50
04/07/2023 07:20	2.1	172	26	3.7	0	16.4	49
04/07/2023 07:30	1.5	202	64	3.6	0	17	46
04/07/2023 07:40	2.3	142	31	4.3	0	17.9	43
04/07/2023 07:50	2.4	150	27	3.7	0	17.7	44
04/07/2023 08:00	1.5	85	23	2.2	0	17.7	45
04/07/2023 08:10	1.7	61	17	2.7	0	17.7	45
04/07/2023 08:20	1.6	76	36	2.9	0	18.3	42
04/07/2023 08:30	1.1	122	69	2.5	0	18.8	41



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/07/2023 08:40	1.6	155	38	2.7	0	19	40
04/07/2023 08:50	1.8	96	20	3.3	0	19.3	40
04/07/2023 09:00	1.4	191	60	3.1	0	20	38
04/07/2023 09:10	0.9	207	38	1.8	0	20.2	38
04/07/2023 09:20	1.6	62	45	2.9	0	20.8	38
04/07/2023 09:30	2.4	88	8	3.6	0	20.7	41
04/07/2023 09:40	1.8	75	17	2.6	0	21.1	40
04/07/2023 09:50	2.3	75	12	3.3	0	21.1	42
04/07/2023 10:00	2	88	16	3.2	0	21.3	43
04/07/2023 10:10	2	117	34	3.7	0	21.9	42
04/07/2023 10:20	4.2	179	9	5.5	0	22.2	38
04/07/2023 10:30	4	179	13	5.6	0	22.6	37
04/07/2023 10:40	4.1	184	12	5.4	0	22.9	36
04/07/2023 10:50	3.7	191	13	4.9	0	22.8	35
04/07/2023 11:00	3.7	197	15	4.9	0	23	34
04/07/2023 11:10	3.3	193	14	5.1	0	23.4	34
04/07/2023 11:20	3.5	201	13	5	0	23.6	34
04/07/2023 11:30	3.8	221	13	6.2	0	23.6	34
04/07/2023 11:40	3.6	231	15	5.4	0	23.7	35
04/07/2023 11:50	3.2	216	18	5.8	0	23.6	36
04/07/2023 12:00	3.4	215	17	5.6	0	23.7	36
04/07/2023 12:10	4.1	247	14	5.8	0	24.1	36
04/07/2023 12:20	3.2	259	24	5.9	0	23.9	36
04/07/2023 12:30	3.4	228	22	5.4	0	23.9	36
04/07/2023 12:40	3.5	249	24	5.7	0	24.2	35
04/07/2023 12:50	3.9	266	23	5.7	0	24.2	36
04/07/2023 13:00	3.9	257	16	6.3	0	24.2	36
04/07/2023 13:10	4.5	279	17	6.6	0	24.3	37
04/07/2023 13:20	4.3	275	16	5.7	0	24.4	36
04/07/2023 13:30	4.1	265	20	5.5	0	24	37
04/07/2023 13:40	4.8	248	15	7	0	24	36
04/07/2023 13:50	4.6	266	15	6	0	24.6	35
04/07/2023 14:00	5	253	9	7.3	0	24.2	36
04/07/2023 14:10	5.3	260	10	6.9	0	24.3	36
04/07/2023 14:20	5.3	262	14	7.3	0	24.5	36
04/07/2023 14:30	5.2	278	10	7.2	0	24.6	35
04/07/2023 14:40	5.8	278	7	7.8	0	24.2	36
04/07/2023 14:50	6.1	278	6	7.5	0	24	36
04/07/2023 15:00	6	273	7	7.7	0	24.1	36
04/07/2023 15:10	5.2	266	11	7	0	24.2	37
04/07/2023 15:20	5.9	269	8	8.1	0	24.2	37
04/07/2023 15:30	6.1	269	6	7.3	0	24	37
04/07/2023 15:40	5.9	265	7	7.6	0	23.9	38
04/07/2023 15:50	5.9	270	5	7.1	0	23.9	39
04/07/2023 16:00	5.9	269	5	6.9	0	23.9	40
04/07/2023 16:10	5.7	267	6	6.9	0	23.7	40
04/07/2023 16:20	5.2	274	9	6.8	0	23.7	40
04/07/2023 16:30	4.4	288	10	6.4	0	23.6	44



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
04/07/2023 16:40	5.5	287	8	7.5	0	23.2	42
04/07/2023 16:50	4.4	295	11	6.4	0	23.1	42
04/07/2023 17:00	4.3	318	11	6.3	0	22.9	43
04/07/2023 17:10	4.6	322	10	6.8	0	22.6	46
04/07/2023 17:20	5.1	318	8	7.3	0	22.2	48
04/07/2023 17:30	4.2	324	10	6.5	0	21.8	49
04/07/2023 17:40	4.1	312	9	6.5	0	21.5	51
04/07/2023 17:50	4	303	11	5.6	0	21.4	50
04/07/2023 18:00	3.6	306	13	5.8	0	21.2	51
04/07/2023 18:10	3.3	298	13	5.2	0	21.1	51
04/07/2023 18:20	3.5	298	11	5.7	0	21	52
04/07/2023 18:30	3.7	288	8	4.8	0	20.8	54
04/07/2023 18:40	3.6	290	8	4.8	0	20.6	55
04/07/2023 18:50	3.5	294	7	4.6	0	20.4	58
04/07/2023 19:00	2.6	289	7	3.2	0	20.1	59
04/07/2023 19:10	2.2	301	6	3.1	0	19.9	59
04/07/2023 19:20	3.2	264	8	4.6	0	19.5	61
04/07/2023 19:30	3.4	258	5	4	0	19.2	66
04/07/2023 19:40	3.6	268	5	4.7	0	19.1	70
04/07/2023 19:50	3.7	264	5	4.5	0	19.2	71
04/07/2023 20:00	3.5	266	7	4.3	0	19	70
04/07/2023 20:10	3	257	5	3.7	0	18.7	71
04/07/2023 20:20	2.9	259	7	4	0	18.6	71
04/07/2023 20:30	2.4	258	7	3	0	18.5	71
04/07/2023 20:40	1.9	260	6	2.5	0	18.2	71
04/07/2023 20:50	2.1	258	5	2.6	0	18	71
04/07/2023 21:00	2.4	252	4	2.8	0	17.8	71
04/07/2023 21:10	2.6	253	3	3.1	0	17.6	71
04/07/2023 21:20	2.8	262	5	3.6	0	17.4	72
04/07/2023 21:30	2.7	265	5	3.4	0	17.5	71
04/07/2023 21:40	2.4	263	7	3.1	0	17.5	70
04/07/2023 21:50	2.3	258	7	3.3	0	17.4	70
04/07/2023 22:00	2.8	258	5	3.6	0	17.5	69
04/07/2023 22:10	2	257	6	2.6	0	17.2	70
04/07/2023 22:20	2.4	254	5	3.1	0	17.3	71
04/07/2023 22:30	2.8	259	5	3.5	0	17.1	71
04/07/2023 22:40	3.4	257	5	4.9	0	17.3	69
04/07/2023 22:50	3.4	254	4	4	0	17.5	68
04/07/2023 23:00	3.3	250	5	4	0	17.5	70
04/07/2023 23:10	3	254	3	3.4	0	16.6	71
04/07/2023 23:20	2.7	255	3	3.1	0	16.4	72
04/07/2023 23:30	2.7	267	4	3.2	0	16.2	72
04/07/2023 23:40	3	272	4	3.9	0	16.4	72
04/07/2023 23:50	3.1	271	3	3.6	0	16.7	71
05/07/2023 00:00	2.7	271	5	3.2	0	16.5	71
05/07/2023 00:10	2.9	262	4	3.3	0	16.5	72
05/07/2023 00:20	2.8	266	3	3.4	0	16.4	72
05/07/2023 00:30	2.7	266	2	3	0	16.3	72



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
05/07/2023 00:40	2.8	261	2	3	0	16.2	72
05/07/2023 00:50	3	259	3	3.2	0	16.2	72
05/07/2023 01:00	3.1	257	3	3.6	0	16	72
05/07/2023 01:10	3	261	2	3.3	0	15.9	72
05/07/2023 01:20	3.2	266	2	3.4	0	16.2	72
05/07/2023 01:30	3.2	262	3	3.5	0	16.3	72
05/07/2023 01:40	3.3	265	3	3.7	0	16.2	72
05/07/2023 01:50	3.2	263	3	3.6	0	16.2	71
05/07/2023 02:00	3.3	266	3	3.7	0	16.1	70
05/07/2023 02:10	3.6	267	4	4.5	0	16.4	70
05/07/2023 02:20	3.9	273	4	5	0	16.8	69
05/07/2023 02:30	3.4	266	4	4.4	0	16.9	70
05/07/2023 02:40	3	258	5	3.5	0	16.6	69
05/07/2023 02:50	3	258	4	3.3	0	16.4	69
05/07/2023 03:00	3	265	3	3.3	0	15.8	68
05/07/2023 03:10	3.1	268	3	3.4	0	15.9	66
05/07/2023 03:20	2.8	268	4	3.3	0	16	65
05/07/2023 03:30	2.6	254	7	3.2	0	16	65
05/07/2023 03:40	3	264	5	3.5	0	16.2	65
05/07/2023 03:50	2.9	265	3	3.2	0	16	64
05/07/2023 04:00	2.8	257	4	3.2	0	15.8	63
05/07/2023 04:10	3.1	268	3	3.5	0	15.9	63
05/07/2023 04:20	2.7	269	4	3.1	0	15.8	63
05/07/2023 04:30	2.9	261	2	3.2	0	15.8	63
05/07/2023 04:40	2.8	257	2	3	0	15.8	63
05/07/2023 04:50	2.7	261	2	3	0	15.7	63
05/07/2023 05:00	2.9	261	3	3.2	0	15.6	63
05/07/2023 05:10	2.9	268	2	3.1	0	15.4	62
05/07/2023 05:20	3	271	2	3.2	0	15.6	60
05/07/2023 05:30	3.1	268	2	3.4	0	15.6	60
05/07/2023 05:40	3	267	2	3.3	0	15.5	60
05/07/2023 05:50	2.8	274	3	3.1	0	15.6	60
05/07/2023 06:00	2.6	280	5	3.1	0	15.9	60
05/07/2023 06:10	1.5	264	22	2.7	0	16	60
05/07/2023 06:20	1	278	12	1.7	0	15.8	60
05/07/2023 06:30	1.3	292	11	2.2	0	15.6	59
05/07/2023 06:40	0.7	270	28	1.3	0	15.4	58
05/07/2023 06:50	2	282	7	2.8	0	15.7	57
05/07/2023 07:00	1.5	256	12	2.1	0	15.5	58
05/07/2023 07:10	1.1	263	8	1.4	0	15.1	57
05/07/2023 07:20	1.7	274	2	1.9	0	15	56
05/07/2023 07:30	1.5	279	6	1.8	0	15.7	54
05/07/2023 07:40	1.5	279	8	1.9	0	16.4	55
05/07/2023 07:50	1.5	275	7	2.2	0	16.8	59
05/07/2023 08:00	1.5	247	26	2.8	0	17.3	61
05/07/2023 08:10	1.4	216	14	2.2	0	17.7	64
05/07/2023 08:20	1.4	226	17	2.5	0	18	65
05/07/2023 08:30	1.7	229	19	2.7	0	18.2	66



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
05/07/2023 08:40	1.2	257	23	2.1	0	18.4	66
05/07/2023 08:50	2.2	219	12	3.9	0	18.8	67
05/07/2023 09:00	2.8	207	12	4	0	19.1	67
05/07/2023 09:10	2.4	199	16	4.2	0	19.4	67
05/07/2023 09:20	2.2	184	19	3.7	0	19.7	66
05/07/2023 09:30	2.4	173	24	5.1	0	19.9	66
05/07/2023 09:40	2.4	158	24	4	0	20.1	66
05/07/2023 09:50	3.8	179	11	5.2	0	20.1	66
05/07/2023 10:00	3.3	181	13	4.6	0	20.3	66
05/07/2023 10:10	3.5	201	14	5.2	0	21	64
05/07/2023 10:20	4.5	211	9	6.5	0	21.1	62
05/07/2023 10:30	3.6	209	17	5.3	0	21.3	61
05/07/2023 10:40	4.1	219	11	5.7	0	21.6	60
05/07/2023 10:50	3.5	221	15	5.1	0	21.8	59
05/07/2023 11:00	4.2	229	10	6	0	22.2	58
05/07/2023 11:10	4.4	228	9	5.8	0	22.3	57
05/07/2023 11:20	4.3	230	11	6.4	0	22.8	55
05/07/2023 11:30	4.1	214	17	6.2	0	23.2	52
05/07/2023 11:40	4.6	233	15	6.5	0	23.4	50
05/07/2023 11:50	4.6	222	10	7	0	23.5	50
05/07/2023 12:00	4.8	234	10	7.8	0	23.6	49
05/07/2023 12:10	4.7	222	20	7.1	0	23.7	48
05/07/2023 12:20	4.9	247	15	7.1	0	24.1	47
05/07/2023 12:30	5.7	253	11	7.8	0	24.2	46
05/07/2023 12:40	5.2	242	12	7.9	0	24.2	45
05/07/2023 12:50	4.7	226	13	6.7	0	24.1	45
05/07/2023 13:00	4.7	240	14	6.9	0	24.4	44
05/07/2023 13:10	4.8	244	15	6.9	0	24.4	45
05/07/2023 13:20	4.4	231	14	6.3	0	24.5	45
05/07/2023 13:30	4.6	247	16	7.5	0	24.5	47
05/07/2023 13:40	5.7	275	11	8.4	0	24.5	47
05/07/2023 13:50	6.3	274	7	8.3	0	24.2	47
05/07/2023 14:00	6.9	276	8	8.4	0	24	46
05/07/2023 14:10	7.4	275	7	9	0	24	46
05/07/2023 14:20	7.5	276	6	9.9	0	24	46
05/07/2023 14:30	7	273	7	9.3	0	24	46
05/07/2023 14:40	7.7	276	7	10.2	0	23.8	47
05/07/2023 14:50	8.2	277	6	11	0	23.6	49
05/07/2023 15:00	7.2	275	8	10.1	0	23.6	50
05/07/2023 15:10	7.2	274	7	9.8	0	23.5	52
05/07/2023 15:20	7.2	271	7	9.7	0	23.5	51
05/07/2023 15:30	6	273	8	8.4	0	23.6	52
05/07/2023 15:40	7.4	270	6	9.4	0	23.2	50
05/07/2023 15:50	6.8	267	6	8.6	0	23.2	49
05/07/2023 16:00	7.4	268	7	9.4	0	23	48
05/07/2023 16:10	7.4	267	7	9.4	0	22.8	50
05/07/2023 16:20	7	271	6	9	0	22.7	51
05/07/2023 16:30	6.8	267	6	8.5	0	22.4	53



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
05/07/2023 16:40	6.6	268	7	9	0	21.9	56
05/07/2023 16:50	6.4	265	7	8.8	0	21.7	57
05/07/2023 17:00	6.1	269	6	8.5	0	21.5	57
05/07/2023 17:10	5.4	269	7	7.2	0	21.3	58
05/07/2023 17:20	5.2	263	7	7.4	0	21	61
05/07/2023 17:30	5.1	267	6	6.8	0	20.4	64
05/07/2023 17:40	4.3	265	7	5.5	0	20.3	64
05/07/2023 17:50	4.2	265	6	5.5	0	20.1	64
05/07/2023 18:00	4.2	263	6	5.5	0	19.8	66
05/07/2023 18:10	4.5	268	5	5.9	0	19.7	66
05/07/2023 18:20	4.2	272	5	5.4	0	19.4	67
05/07/2023 18:30	3.7	267	5	4.8	0	19.2	68
05/07/2023 18:40	3.4	266	5	4.2	0	19	69
05/07/2023 18:50	2.8	262	5	3.7	0	18.7	68
05/07/2023 19:00	2.9	266	5	3.8	0	18.5	67
05/07/2023 19:10	3.2	275	5	3.9	0	18.4	67
05/07/2023 19:20	3.5	277	4	4.2	0	18.5	68
05/07/2023 19:30	3.2	279	5	3.9	0	18.5	69
05/07/2023 19:40	3	273	5	3.8	0	18.3	69
05/07/2023 19:50	3	265	4	3.6	0	18.2	69
05/07/2023 20:00	2.7	275	5	3.3	0	17.9	69
05/07/2023 20:10	2.5	276	5	3.1	0	17.7	69
05/07/2023 20:20	2.7	271	5	3.2	0	17.6	69
05/07/2023 20:30	3.3	269	5	4	0	17.5	69
05/07/2023 20:40	3.4	268	4	4	0	17.5	67
05/07/2023 20:50	3.2	269	4	3.6	0	17.5	66
05/07/2023 21:00	3.1	269	4	3.7	0	17.6	64
05/07/2023 21:10	3.3	268	3	4	0	17.5	64
05/07/2023 21:20	3.2	272	3	3.5	0	17.3	64
05/07/2023 21:30	3.2	271	4	3.8	0	17.3	64
05/07/2023 21:40	3.1	270	5	3.6	0	17.3	63
05/07/2023 21:50	3.6	265	4	4.1	0	17.2	63
05/07/2023 22:00	3.6	262	4	4.6	0	17.1	65
05/07/2023 22:10	3.6	271	3	4.3	0	16.7	66
05/07/2023 22:20	3.9	272	3	4.4	0	16.8	67
05/07/2023 22:30	3.8	271	3	4.2	0	16.8	67
05/07/2023 22:40	3.8	279	4	4.3	0	16.9	67
05/07/2023 22:50	3.5	279	5	4	0	17	67
05/07/2023 23:00	3.7	274	5	4.6	0	17.1	64
05/07/2023 23:10	3.1	271	7	3.9	0	17	65
05/07/2023 23:20	3	271	6	3.9	0	16.8	64
05/07/2023 23:30	3.1	267	5	3.7	0	16.9	63
05/07/2023 23:40	3.4	269	3	4	0	16.6	64
05/07/2023 23:50	3.7	273	4	4.3	0	16.6	63
06/07/2023 00:00	3.3	272	4	3.8	0	16.8	61
06/07/2023 00:10	2	266	14	2.9	0	16.5	61
06/07/2023 00:20	1.7	271	13	2.5	0	16.4	60
06/07/2023 00:30	2.5	269	7	3.1	0	16.8	55





Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/07/2023 00:40	2.5	264	5	3	0	16.6	57
06/07/2023 00:50	2.7	268	5	3.2	0	16.3	58
06/07/2023 01:00	2.4	272	4	2.8	0	16.2	59
06/07/2023 01:10	1.8	278	7	2.4	0	16.3	59
06/07/2023 01:20	1.8	274	10	2.7	0	16.4	59
06/07/2023 01:30	2.3	271	6	2.9	0	16.5	58
06/07/2023 01:40	2	266	7	2.6	0	16.3	58
06/07/2023 01:50	1.4	282	11	2	0	16.2	59
06/07/2023 02:00	0.8	272	19	1.5	0	15.9	60
06/07/2023 02:10	1.1	251	13	1.8	0	16.2	59
06/07/2023 02:20	1.3	245	9	1.9	0	15.7	63
06/07/2023 02:30	2	257	9	2.5	0	15.1	65
06/07/2023 02:40	1.8	261	10	2.4	0	15.1	64
06/07/2023 02:50	1.8	264	11	2.6	0	15.6	62
06/07/2023 03:00	1.9	268	11	2.6	0	15.6	62
06/07/2023 03:10	1.5	282	10	2.1	0	15.7	62
06/07/2023 03:20	1.1	283	15	1.7	0	15.7	61
06/07/2023 03:30	0.9	179	18	1.3	0	15.1	61
06/07/2023 03:40	1	184	31	1.7	0	16.2	54
06/07/2023 03:50	0.3	244	76	0.8	0	16.3	52
06/07/2023 04:00	0.5	168	44	0.9	0	16.4	51
06/07/2023 04:10	0.5	254	24	1.1	0	16.6	50
06/07/2023 04:20	0.6	214	31	1.1	0	16.2	52
06/07/2023 04:30	0.8	287	32	1.5	0	15.7	55
06/07/2023 04:40	0.5	264	57	1.3	0	15.7	55
06/07/2023 04:50	1	196	29	2.5	0	16	52
06/07/2023 05:00	0.8	105	52	1.8	0	15.9	52
06/07/2023 05:10	0.8	71	54	2	0	16	52
06/07/2023 05:20	0.7	172	42	1.7	0	15.9	52
06/07/2023 05:30	1.3	158	30	2.9	0	15.8	52
06/07/2023 05:40	1.6	136	32	3.4	0	16.1	51
06/07/2023 05:50	1.1	70	31	2.5	0	15.9	52
06/07/2023 06:00	0.9	78	30	1.8	0	15.9	51
06/07/2023 06:10	1	79	25	2.1	0	15.6	52
06/07/2023 06:20	1	101	35	2.1	0	15.7	52
06/07/2023 06:30	0.9	102	40	1.7	0	15.6	52
06/07/2023 06:40	1.1	125	38	2.2	0	15.5	52
06/07/2023 06:50	1.4	140	38	3	0	15.7	51
06/07/2023 07:00	0.8	47	15	1.3	0	15.4	52
06/07/2023 07:10	0.9	57	11	1.3	0	15.1	54
06/07/2023 07:20	1.2	75	13	1.6	0	15.1	55
06/07/2023 07:30	0.8	101	49	1.4	0	15	57
06/07/2023 07:40	0.8	52	26	1.5	0	15.3	57
06/07/2023 07:50	1	103	28	1.9	0	16.2	54
06/07/2023 08:00	1.3	126	24	2.6	0	17.6	47
06/07/2023 08:10	1.7	133	14	3	0	18.3	45
06/07/2023 08:20	1.6	132	19	3	0	18.9	44
06/07/2023 08:30	1.9	143	15	3.2	0	19.1	43



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/07/2023 08:40	1.8	141	18	3.1	0	19.4	42
06/07/2023 08:50	2.4	142	15	3.6	0	19.3	42
06/07/2023 09:00	2	142	17	3.3	0	19.6	42
06/07/2023 09:10	2.4	123	22	3.8	0	20.3	40
06/07/2023 09:20	2.8	124	20	4.2	0	20.5	39
06/07/2023 09:30	2.7	133	20	4.9	0	20.2	40
06/07/2023 09:40	3.1	113	17	5.1	0	20.3	40
06/07/2023 09:50	3.5	110	13	5.2	0	20	40
06/07/2023 10:00	3.4	107	11	4.9	0	19.9	42
06/07/2023 10:10	3.5	104	12	5.3	0	19.9	43
06/07/2023 10:20	2.9	107	16	4.3	0	19.9	45
06/07/2023 10:30	2.7	106	17	4.8	0	20.3	45
06/07/2023 10:40	2.9	114	15	4.2	0	20.8	41
06/07/2023 10:50	3.4	103	13	4.9	0	20.7	42
06/07/2023 11:00	3.3	101	14	4.7	0	20.6	43
06/07/2023 11:10	3.7	99	13	5.1	0	20.8	43
06/07/2023 11:20	3.9	84	12	5.6	0	21.2	43
06/07/2023 11:30	4.2	76	10	6	0	21	44
06/07/2023 11:40	4.6	78	8	6.1	0	20.8	45
06/07/2023 11:50	4	76	15	5.6	0	21.6	44
06/07/2023 12:00	3.7	75	13	5.6	0	21.5	44
06/07/2023 12:10	3.4	86	13	5	0	21.8	44
06/07/2023 12:20	3.6	80	14	5.7	0	22.2	42
06/07/2023 12:30	3.2	57	16	4.8	0	22.5	43
06/07/2023 12:40	3.4	70	17	4.9	0	22.7	41
06/07/2023 12:50	3.5	78	13	4.9	0	22.8	41
06/07/2023 13:00	3.7	73	12	5.2	0	22.9	40
06/07/2023 13:10	3.3	69	12	4.8	0	22.9	42
06/07/2023 13:20	3.7	78	16	5.4	0	23.3	39
06/07/2023 13:30	4	46	13	5.6	0	22.8	43
06/07/2023 13:40	3.9	41	9	5.7	0	22.9	42
06/07/2023 13:50	4.3	46	9	6	0	23	41
06/07/2023 14:00	4	48	9	5.6	0	22.7	41
06/07/2023 14:10	4.3	48	9	5.6	0	22.8	41
06/07/2023 14:20	4.8	55	6	6.1	0	22.8	41
06/07/2023 14:30	4.9	61	7	5.9	0	22.9	40
06/07/2023 14:40	5	64	8	6.6	0	23.1	40
06/07/2023 14:50	4.6	65	9	6.1	0	23.2	41
06/07/2023 15:00	5	58	7	6.6	0	23.1	40
06/07/2023 15:10	5.2	59	7	6.7	0	23	40
06/07/2023 15:20	4.9	58	7	6.3	0	23.1	40
06/07/2023 15:30	4.9	54	6	6	0	23.2	39
06/07/2023 15:40	4.8	56	6	6.4	0	23.1	39
06/07/2023 15:50	4.7	60	9	6.5	0	23.2	39
06/07/2023 16:00	4.4	58	8	6.3	0	23.3	39
06/07/2023 16:10	4.7	56	8	6	0	23	40
06/07/2023 16:20	4.7	55	7	6.2	0	23.1	38
06/07/2023 16:30	4.5	60	9	6.4	0	23.1	36



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
06/07/2023 16:40	4.6	59	8	6.5	0	23.1	35
06/07/2023 16:50	4.1	55	7	5.6	0	23.1	36
06/07/2023 17:00	2.8	30	16	4.3	0	23.1	37
06/07/2023 17:10	2.5	178	25	3.7	0	22.7	46
06/07/2023 17:20	3.3	179	15	4.9	0	22.2	46
06/07/2023 17:30	3.7	19	7	4.9	0	21.7	45
06/07/2023 17:40	2.5	179	12	3.4	0	21.3	50
06/07/2023 17:50	1.8	324	11	2.6	0	21.1	52
06/07/2023 18:00	2.9	269	8	3.6	0	20.7	57
06/07/2023 18:10	3.1	276	7	4.1	0	20.3	59
06/07/2023 18:20	2.7	278	8	3.7	0	20.2	58
06/07/2023 18:30	2.9	274	5	3.7	0	20.1	58
06/07/2023 18:40	2.7	265	6	3.4	0	19.9	58
06/07/2023 18:50	2.7	262	6	3.3	0	19.6	62
06/07/2023 19:00	2.2	269	6	2.7	0	19.1	67
06/07/2023 19:10	2.5	268	5	3	0	18.9	69
06/07/2023 19:20	3	258	6	3.6	0	18.6	68
06/07/2023 19:30	2.4	256	6	2.8	0	18.4	69
06/07/2023 19:40	3.3	250	5	4.2	0	18.3	70
06/07/2023 19:50	3	247	7	4.1	0	18.5	69
06/07/2023 20:00	3.1	248	6	4	0	18	70
06/07/2023 20:10	3.2	253	5	4	0	18	70
06/07/2023 20:20	2.9	256	3	3.5	0	17.8	70
06/07/2023 20:30	3.2	257	3	3.7	0	17.7	70
06/07/2023 20:40	2.9	257	4	3.8	0	17.6	70
06/07/2023 20:50	3	257	3	3.7	0	17.4	70
06/07/2023 21:00	2.9	259	5	3.3	0	17.2	70
06/07/2023 21:10	2.4	262	5	2.9	0	17.2	70
06/07/2023 21:20	3	268	4	3.4	0	17	70
06/07/2023 21:30	3.1	269	5	3.8	0	17	70
06/07/2023 21:40	3.4	270	3	4	0	17.2	70
06/07/2023 21:50	3.6	269	3	4	0	17.3	69
06/07/2023 22:00	3.6	267	3	4.4	0	17.4	69
06/07/2023 22:10	3.6	270	4	4.2	0	17.4	70
06/07/2023 22:20	3.7	271	4	4.4	0	17.4	70
06/07/2023 22:30	3.5	269	4	4	0	17.2	71
06/07/2023 22:40	3.3	267	4	3.8	0	17.1	71
06/07/2023 22:50	3.1	267	4	3.5	0	17	71
06/07/2023 23:00	3.3	262	5	3.9	0	16.9	71
06/07/2023 23:10	3.3	263	7	4	0	16.9	71
06/07/2023 23:20	3.6	266	5	4.5	0	17.1	71
06/07/2023 23:30	3.6	266	5	4.5	0	17.1	71
06/07/2023 23:40	3.4	267	4	4.1	0	17	71
06/07/2023 23:50	3.8	265	5	4.8	0	17	70
07/07/2023 00:00	3.4	264	5	4.4	0	17	69
07/07/2023 00:10	3.5	265	5	4.3	0	16.8	69
07/07/2023 00:20	3.3	263	6	4.3	0	16.7	69
07/07/2023 00:30	3.3	267	4	3.9	0	16.6	69



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
07/07/2023 00:40	3.2	268	3	3.7	0	16.5	69
07/07/2023 00:50	3.4	270	4	3.8	0	16.5	69
07/07/2023 01:00	3.3	269	4	4	0	16.6	69
07/07/2023 01:10	3.2	265	4	4.2	0	16.6	69
07/07/2023 01:20	3.2	263	3	3.6	0	16.4	70
07/07/2023 01:30	3.1	265	4	3.6	0	16.4	70
07/07/2023 01:40	3.1	269	4	3.6	0	16.2	71
07/07/2023 01:50	3.2	273	3	3.7	0	16.3	71
07/07/2023 02:00	3.1	265	4	3.7	0	16.3	71
07/07/2023 02:10	3.1	268	4	3.7	0	16.1	71
07/07/2023 02:20	3.3	270	3	4.1	0	16.1	71
07/07/2023 02:30	3	259	5	3.9	0	16.2	71
07/07/2023 02:40	2.7	265	4	3.2	0	16	71
07/07/2023 02:50	3.2	268	3	3.6	0	15.9	70
07/07/2023 03:00	3.5	265	2	3.9	0	15.8	69
07/07/2023 03:10	3.3	265	2	3.6	0	15.6	68
07/07/2023 03:20	2.8	266	3	3.2	0	15.5	66
07/07/2023 03:30	2.9	264	2	3.1	0	15.6	66
07/07/2023 03:40	2.8	265	3	3.1	0	15.6	66
07/07/2023 03:50	2.7	264	3	3.1	0	15.5	66
07/07/2023 04:00	1	259	40	2	0	15.1	66
07/07/2023 04:10	0.7	323	43	1.5	0	15.2	67
07/07/2023 04:20	1.1	216	54	2.6	0	15.4	68
07/07/2023 04:30	1.8	155	12	3.1	0	16.7	62
07/07/2023 04:40	1.4	137	16	2.2	0	17	55
07/07/2023 04:50	1.2	149	17	2.2	0	16.7	56
07/07/2023 05:00	2.1	166	14	3.4	0	17.1	52
07/07/2023 05:10	2.3	163	11	3.8	0	17.1	52
07/07/2023 05:20	1.6	146	21	2.5	0	16.5	53
07/07/2023 05:30	1.9	171	11	3	0	16.6	53
07/07/2023 05:40	0.8	130	30	1.7	0	16.3	54
07/07/2023 05:50	1.4	98	16	2.2	0	16.2	54
07/07/2023 06:00	1.2	107	23	2.6	0	15.8	55
07/07/2023 06:10	1.4	120	24	2.7	0	16	54
07/07/2023 06:20	1.3	122	22	2.5	0	16	54
07/07/2023 06:30	1.3	114	20	2.4	0	15.8	55
07/07/2023 06:40	1.4	111	19	2.2	0	15.6	55
07/07/2023 06:50	1.7	108	13	3	0	15.6	56
07/07/2023 07:00	2.3	109	12	3.4	0	15.6	56
07/07/2023 07:10	2	100	14	3.5	0	15	60
07/07/2023 07:20	1.7	99	11	2.5	0	14.4	64
07/07/2023 07:30	1.5	89	13	2	0	14.7	64
07/07/2023 07:40	1.4	81	13	1.7	0	15.1	63
07/07/2023 07:50	1.6	70	6	1.9	0	15.6	62
07/07/2023 08:00	1.6	77	8	2.1	0	16	60
07/07/2023 08:10	1.9	81	9	2.6	0	16.7	58
07/07/2023 08:20	2.4	89	10	3.5	0	17.2	55
07/07/2023 08:30	3	89	7	4.4	0	17.7	53



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
07/07/2023 08:40	3.3	87	9	4.5	0	18.1	52
07/07/2023 08:50	3.4	90	8	4.5	0	18.4	50
07/07/2023 09:00	3.7	99	12	5.1	0	18.7	48
07/07/2023 09:10	3.5	103	12	5.1	0	18.8	47
07/07/2023 09:20	3.6	110	11	4.9	0	18.9	46
07/07/2023 09:30	3.1	105	11	4.5	0	19.1	47
07/07/2023 09:40	3.5	104	10	4.5	0	19.3	47
07/07/2023 09:50	2.7	104	13	4.1	0	19.7	47
07/07/2023 10:00	3.5	103	13	5.4	0	20.5	45
07/07/2023 10:10	3.9	110	12	5.6	0	21	44
07/07/2023 10:20	3.5	99	13	5.3	0	21.2	45
07/07/2023 10:30	3.1	89	16	4.7	0	21.4	45
07/07/2023 10:40	4.4	83	10	6.6	0	21.7	44
07/07/2023 10:50	4.8	90	10	7	0	21.8	43
07/07/2023 11:00	4.5	89	13	6.5	0	22	44
07/07/2023 11:10	5.5	89	10	8	0	21.8	43
07/07/2023 11:20	5.8	89	10	7.9	0	21.9	43
07/07/2023 11:30	4.5	90	13	6.5	0	22.5	42
07/07/2023 11:40	4.9	92	13	6.8	0	22.7	40
07/07/2023 11:50	5.3	92	9	7.7	0	22.8	39
07/07/2023 12:00	4.8	88	11	6.6	0	22.9	39
07/07/2023 12:10	4.3	91	12	6.3	0	23.5	38
07/07/2023 12:20	4.5	92	13	6.4	0	23.4	39
07/07/2023 12:30	4.5	90	11	6.6	0	23.8	37
07/07/2023 12:40	4.6	90	11	6.9	0	23.7	36
07/07/2023 12:50	4.1	92	13	6.9	0	24.1	35
07/07/2023 13:00	4.6	79	11	6.6	0	24	36
07/07/2023 13:10	5.5	70	7	7.3	0	23.7	36
07/07/2023 13:20	5.6	80	8	7	0	23.8	35
07/07/2023 13:30	5.1	79	11	7.4	0	24.1	36
07/07/2023 13:40	4.8	80	10	7.1	0	24.3	36
07/07/2023 13:50	4.5	64	12	6.7	0	23.8	40
07/07/2023 14:00	4.9	47	8	6.3	0	23.3	43
07/07/2023 14:10	5	49	8	6.6	0	23.2	43
07/07/2023 14:20	5.5	52	6	7	0	23.1	43
07/07/2023 14:30	5.7	54	8	7.6	0	23.1	41
07/07/2023 14:40	5.6	49	6	6.8	0	23.3	41
07/07/2023 14:50	5.7	51	7	7.2	0	23.2	41
07/07/2023 15:00	5.8	54	6	7.5	0	23.2	39
07/07/2023 15:10	5.5	51	7	7	0	23.3	40
07/07/2023 15:20	4.9	52	8	6.9	0	23.6	38
07/07/2023 15:30	4.7	58	9	6.3	0	23.7	37
07/07/2023 15:40	5	52	9	6.6	0	23.7	37
07/07/2023 15:50	5	51	6	6.6	0	23.7	38
07/07/2023 16:00	4.6	55	8	6.3	0	23.7	38
07/07/2023 16:10	4.5	52	6	5.7	0	23.5	38
07/07/2023 16:20	4.5	53	7	6	0	23.5	37
07/07/2023 16:30	4.8	58	8	6.4	0	23.6	35



Yara Pilbara Nitrates- Western Boundary  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain	AT	RH
	m/s	°	°	m/s	mm	°C	%
07/07/2023 16:40	4.5	54	6	5.9	0	23.6	37
07/07/2023 16:50	4.3	53	5	5.4	0	23.4	35
07/07/2023 17:00	3.8	57	8	5.2	0	23.5	35
07/07/2023 17:10	3.5	55	6	4.5	0	23.3	35
07/07/2023 17:20	3	55	8	4.1	0	23	35
07/07/2023 17:30	2.1	50	7	2.7	0	22.1	37
07/07/2023 17:40	2.6	49	4	3.3	0	21.5	38
07/07/2023 17:50	1.8	51	9	2.5	0	21.1	39
07/07/2023 18:00	1	65	18	1.6	0	21	38
07/07/2023 18:10	0.9	67	11	1.3	0	20.9	38
07/07/2023 18:20	1.1	66	6	1.3	0	20.7	39
07/07/2023 18:30	0.7	82	16	0.9	0	20.3	40
07/07/2023 18:40	0.6	78	8	0.8	0	20.2	41
07/07/2023 18:50	0.7	95	11	0.9	0	19.9	43
07/07/2023 19:00	0.5	98	10	0.7	0	19.5	44
07/07/2023 19:10	0.6	82	6	0.9	0	19.4	44
07/07/2023 19:20	1.2	81	4	1.4	0	19	46
07/07/2023 19:30	1	61	7	1.3	0	18.6	45
07/07/2023 19:40	0.9	81	6	1.1	0	18.9	44
07/07/2023 19:50	0.8	104	11	1.1	0	18.8	45
07/07/2023 20:00	0.4	155	39	0.7	0	18.4	46
07/07/2023 20:10	0.3	227	43	0.6	0	18.1	47
07/07/2023 20:20	0.2	261	77	0.5	0	17.9	48
07/07/2023 20:30	0.3	170	27	0.4	0	18.4	46
07/07/2023 20:40	0.4	96	12	0.5	0	18.7	47
07/07/2023 20:50	0.6	105	8	0.8	0	17.9	51
07/07/2023 21:00	1.1	75	6	1.3	0	17.3	53
07/07/2023 21:10	1.1	84	7	1.3	0	17	53
07/07/2023 21:20	1.1	79	10	1.3	0	17.1	54
07/07/2023 21:30	1.1	86	23	1.6	0	17.2	54
07/07/2023 21:40	0.9	71	12	1.2	0	17.4	53
07/07/2023 21:50	0.9	74	9	1.1	0	17.5	57
07/07/2023 22:00	1	64	6	1.2	0	17.7	63
07/07/2023 22:10	1.3	58	8	1.5	0	18	68
07/07/2023 22:20	1.1	57	7	1.3	0	17.7	69
07/07/2023 22:30	0.7	33	30	1.2	0	17.3	69
07/07/2023 22:40	0.7	296	43	1.5	0	16.8	69
07/07/2023 22:50	2	270	8	2.5	0	17	69
07/07/2023 23:00	1.5	259	23	2.2	0	17.3	67
07/07/2023 23:10	1.4	213	32	2.1	0	18	61
07/07/2023 23:20	1.5	129	23	2.9	0	18.4	53
07/07/2023 23:30	1.4	119	19	2.3	0	18.4	51
07/07/2023 23:40	1.5	124	23	2.9	0	18.6	45
07/07/2023 23:50	1.4	106	19	2.2	0	18.4	45
08/07/2023 00:00	1.1	82	22	1.9	0	18	47



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/07/2022 00:10	0.2	161	7	0.8	0.00
08/07/2022 00:20	0.6	306	15	0.8	0.00
08/07/2022 00:30	0.2	342	12	0.6	0.00
08/07/2022 00:40	0.3	326	9	0.9	0.00
08/07/2022 00:50	0.8	319	12	1.0	0.00
08/07/2022 01:00	0.3	234	34	0.8	0.00
08/07/2022 01:10	0.8	310	10	1.0	0.00
08/07/2022 01:20	0.7	337	19	1.0	0.00
08/07/2022 01:30	0.5	193	22	0.9	0.00
08/07/2022 01:40	0.5	338	36	1.0	0.00
08/07/2022 01:50	0.4	207	17	0.8	0.00
08/07/2022 02:00	0.2	201	19	0.6	0.00
08/07/2022 02:10	0.3	335	18	0.8	0.00
08/07/2022 02:20	0.6	315	12	0.8	0.00
08/07/2022 02:30	0.3	165	34	0.7	0.00
08/07/2022 02:40	0.2	250	15	0.7	0.00
08/07/2022 02:50	0.0	127	13	0.4	0.00
08/07/2022 03:00	0.3	163	10	0.8	0.00
08/07/2022 03:10	0.2	319	5	0.8	0.00
08/07/2022 03:20	0.4	184	16	0.9	0.00
08/07/2022 03:30	0.6	296	9	1.0	0.00
08/07/2022 03:40	0.3	185	41	0.9	0.00
08/07/2022 03:50	0.6	235	52	1.6	0.00
08/07/2022 04:00	0.7	84	40	1.6	0.00
08/07/2022 04:10	0.4	121	33	1.0	0.00
08/07/2022 04:20	1.3	99	17	2.1	0.00
08/07/2022 04:30	1.5	119	26	3.0	0.00
08/07/2022 04:40	1.0	91	18	1.5	0.00
08/07/2022 04:50	1.2	59	11	1.6	0.00
08/07/2022 05:00	1.7	83	10	2.3	0.00
08/07/2022 05:10	1.8	112	9	2.4	0.00
08/07/2022 05:20	1.5	103	11	2.0	0.00
08/07/2022 05:30	1.6	88	10	2.2	0.00
08/07/2022 05:40	1.6	75	9	2.1	0.00
08/07/2022 05:50	1.6	77	8	1.9	0.00
08/07/2022 06:00	1.8	77	5	2.1	0.00
08/07/2022 06:10	1.6	85	9	2.1	0.00
08/07/2022 06:20	1.3	96	9	1.8	0.00
08/07/2022 06:30	1.5	89	9	1.8	0.00
08/07/2022 06:40	1.6	99	9	2.3	0.00
08/07/2022 06:50	1.4	92	10	1.9	0.00
08/07/2022 07:00	1.7	81	13	2.4	0.00
08/07/2022 07:10	1.1	101	15	1.7	0.00
08/07/2022 07:20	1.9	93	13	2.6	0.00
08/07/2022 07:30	2.5	93	11	3.6	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/07/2022 07:40	3.2	89	10	4.5	0.00
08/07/2022 07:50	3.4	85	10	4.5	0.00
08/07/2022 08:00	3.4	87	9	4.5	0.00
08/07/2022 08:10	3.2	88	10	4.1	0.00
08/07/2022 08:20	3.2	83	9	4.0	0.00
08/07/2022 08:30	3.0	78	10	3.8	0.00
08/07/2022 08:40	3.2	89	13	4.3	0.00
08/07/2022 08:50	3.4	95	12	4.9	0.00
08/07/2022 09:00	3.5	91	14	5.0	0.00
08/07/2022 09:10	3.6	103	13	4.9	0.00
08/07/2022 09:20	4.2	105	11	5.6	0.00
08/07/2022 09:30	3.6	103	13	5.1	0.00
08/07/2022 09:40	3.5	103	13	4.7	0.00
08/07/2022 09:50	3.6	103	12	4.6	0.00
08/07/2022 10:00	3.5	100	14	5.2	0.00
08/07/2022 10:10	4.0	100	12	5.2	0.00
08/07/2022 10:20	4.0	97	14	5.5	0.00
08/07/2022 10:30	4.5	89	15	6.1	0.00
08/07/2022 10:40	4.7	84	11	6.8	0.00
08/07/2022 10:50	4.9	82	13	6.5	0.00
08/07/2022 11:00	4.3	81	17	6.6	0.00
08/07/2022 11:10	4.4	91	14	6.0	0.00
08/07/2022 11:20	4.1	84	13	5.9	0.00
08/07/2022 11:30	4.6	78	13	6.2	0.00
08/07/2022 11:40	5.4	76	12	7.2	0.00
08/07/2022 11:50	5.9	74	10	7.9	0.00
08/07/2022 12:00	5.4	84	12	7.5	0.00
08/07/2022 12:10	4.9	81	15	6.8	0.00
08/07/2022 12:20	5.1	81	15	7.7	0.00
08/07/2022 12:30	5.1	70	13	7.2	0.00
08/07/2022 12:40	4.6	74	13	6.4	0.00
08/07/2022 12:50	4.5	69	13	5.9	0.00
08/07/2022 13:00	4.7	73	13	6.5	0.00
08/07/2022 13:10	4.5	75	15	6.4	0.00
08/07/2022 13:20	5.2	75	13	7.2	0.00
08/07/2022 13:30	5.1	81	12	6.6	0.00
08/07/2022 13:40	4.6	75	12	6.7	0.00
08/07/2022 13:50	4.2	76	15	6.4	0.00
08/07/2022 14:00	4.6	71	13	6.3	0.00
08/07/2022 14:10	4.3	71	14	6.0	0.00
08/07/2022 14:20	4.3	82	13	6.4	0.00
08/07/2022 14:30	4.4	77	14	6.4	0.00
08/07/2022 14:40	4.1	78	14	5.8	0.00
08/07/2022 14:50	4.3	78	14	5.6	0.00
08/07/2022 15:00	4.2	72	12	5.9	0.00





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/07/2022 15:10	3.8	73	14	5.5	0.00
08/07/2022 15:20	4.2	62	14	5.7	0.00
08/07/2022 15:30	4.0	58	13	5.3	0.00
08/07/2022 15:40	4.1	58	11	5.6	0.00
08/07/2022 15:50	4.4	64	11	5.8	0.00
08/07/2022 16:00	4.0	61	11	5.3	0.00
08/07/2022 16:10	4.1	59	12	5.5	0.00
08/07/2022 16:20	3.8	66	12	5.1	0.00
08/07/2022 16:30	3.4	63	11	4.8	0.00
08/07/2022 16:40	3.0	58	11	4.2	0.00
08/07/2022 16:50	3.3	54	11	4.3	0.00
08/07/2022 17:00	3.6	52	10	4.8	0.00
08/07/2022 17:10	3.2	55	10	4.2	0.00
08/07/2022 17:20	3.0	56	10	3.9	0.00
08/07/2022 17:30	2.3	54	8	3.1	0.00
08/07/2022 17:40	2.0	52	8	2.6	0.00
08/07/2022 17:50	1.7	49	10	2.2	0.00
08/07/2022 18:00	1.4	61	9	2.0	0.00
08/07/2022 18:10	1.4	56	6	1.8	0.00
08/07/2022 18:20	1.1	57	7	1.3	0.00
08/07/2022 18:30	1.1	47	7	1.4	0.00
08/07/2022 18:40	1.4	41	4	1.6	0.00
08/07/2022 18:50	1.4	35	4	1.6	0.00
08/07/2022 19:00	1.3	35	5	1.6	0.00
08/07/2022 19:10	1.0	33	7	1.2	0.00
08/07/2022 19:20	0.2	37	4	0.6	0.00
08/07/2022 19:30	0.3	39	6	0.8	0.00
08/07/2022 19:40					0.00
08/07/2022 19:50	0.0	34	2	0.4	0.00
08/07/2022 20:00	1.1	39	6	1.4	0.00
08/07/2022 20:10	1.5	36	5	1.6	0.00
08/07/2022 20:20	1.3	33	7	1.7	0.00
08/07/2022 20:30	0.2	24	2	0.7	0.00
08/07/2022 20:40	0.4	29	13	0.8	0.00
08/07/2022 20:50	0.7	39	8	1.0	0.00
08/07/2022 21:00	0.8	27	14	1.1	0.00
08/07/2022 21:10	0.3	344	6	0.6	0.00
08/07/2022 21:20	0.4	337	12	0.8	0.00
08/07/2022 21:30	0.1	12	13	0.6	0.00
08/07/2022 21:40	0.6	295	25	1.0	0.00
08/07/2022 21:50	0.6	283	19	1.0	0.00
08/07/2022 22:00	0.7	142	23	0.9	0.00
08/07/2022 22:10	0.7	17	20	1.1	0.00
08/07/2022 22:20	0.5	11	18	0.8	0.00
08/07/2022 22:30	0.6	26	15	0.9	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/07/2022 22:40	0.8	24	11	1.2	0.00
08/07/2022 22:50	0.2	47	15	0.8	0.00
08/07/2022 23:00	0.3	290	7	0.8	0.00
08/07/2022 23:10	0.1	284	0	0.4	0.00
08/07/2022 23:20	0.2	290	1	0.7	0.00
08/07/2022 23:30	0.3	277	6	0.8	0.00
08/07/2022 23:40	0.2	290	8	0.6	0.00
08/07/2022 23:50	0.6	299	10	1.1	0.00
09/07/2022 00:00	0.5	299	5	0.8	0.00
09/07/2022 00:10	0.6	150	18	1.1	0.00
09/07/2022 00:20	0.8	187	15	1.2	0.00
09/07/2022 00:30	0.1	264	1	0.8	0.00
09/07/2022 00:40	0.3	236	13	1.0	0.00
09/07/2022 00:50	0.4	223	14	0.8	0.00
09/07/2022 01:00	0.9	261	20	1.2	0.00
09/07/2022 01:10	0.9	242	12	1.1	0.00
09/07/2022 01:20	0.9	272	11	1.1	0.00
09/07/2022 01:30	0.9	270	9	1.2	0.00
09/07/2022 01:40	0.8	277	9	1.1	0.00
09/07/2022 01:50	0.9	292	8	1.2	0.00
09/07/2022 02:00	0.3	275	15	1.1	0.00
09/07/2022 02:10	0.2	286	5	0.7	0.00
09/07/2022 02:20	0.3	294	18	0.8	0.00
09/07/2022 02:30	0.5	110	13	1.0	0.00
09/07/2022 02:40	0.6	224	50	1.3	0.00
09/07/2022 02:50	0.9	111	27	1.7	0.00
09/07/2022 03:00	1.3	130	30	2.0	0.00
09/07/2022 03:10	0.6	139	27	1.2	0.00
09/07/2022 03:20	0.3	193	29	0.8	0.00
09/07/2022 03:30	0.2	185	16	0.8	0.00
09/07/2022 03:40	0.7	120	17	1.2	0.00
09/07/2022 03:50	0.8	114	14	1.1	0.00
09/07/2022 04:00	1.0	101	9	1.2	0.00
09/07/2022 04:10	0.1	93	8	0.7	0.00
09/07/2022 04:20	0.7	84	14	1.0	0.00
09/07/2022 04:30	1.0	46	22	1.4	0.00
09/07/2022 04:40	1.2	49	9	1.8	0.00
09/07/2022 04:50	1.2	92	10	1.6	0.00
09/07/2022 05:00	1.1	93	13	1.5	0.00
09/07/2022 05:10	0.7	92	20	1.2	0.00
09/07/2022 05:20	1.5	76	11	2.0	0.00
09/07/2022 05:30	1.6	85	12	2.3	0.00
09/07/2022 05:40	1.4	90	14	2.1	0.00
09/07/2022 05:50	2.2	72	8	2.5	0.00
09/07/2022 06:00	2.3	74	7	2.8	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/07/2022 06:10	2.6	73	7	3.5	0.00
09/07/2022 06:20	2.3	65	7	2.9	0.00
09/07/2022 06:30	2.4	67	9	2.8	0.00
09/07/2022 06:40	1.9	78	20	2.8	0.00
09/07/2022 06:50	1.2	90	25	1.8	0.00
09/07/2022 07:00	1.6	83	23	2.8	0.00
09/07/2022 07:10	1.5	103	19	2.6	0.00
09/07/2022 07:20	2.9	79	9	3.6	0.00
09/07/2022 07:30	2.6	82	9	3.5	0.00
09/07/2022 07:40	2.5	85	13	3.8	0.00
09/07/2022 07:50	2.2	77	11	3.2	0.00
09/07/2022 08:00	2.0	83	12	3.1	0.00
09/07/2022 08:10	2.0	92	17	3.3	0.00
09/07/2022 08:20	2.2	99	18	3.8	0.00
09/07/2022 08:30	2.3	96	16	3.6	0.00
09/07/2022 08:40	3.0	102	14	4.5	0.00
09/07/2022 08:50	3.6	97	12	5.3	0.00
09/07/2022 09:00	3.2	88	16	4.2	0.00
09/07/2022 09:10	3.2	91	12	4.5	0.00
09/07/2022 09:20	3.3	93	11	5.2	0.00
09/07/2022 09:30	3.5	94	11	4.7	0.00
09/07/2022 09:40	3.2	97	16	4.8	0.00
09/07/2022 09:50	3.0	85	17	4.2	0.00
09/07/2022 10:00	3.5	89	13	5.2	0.00
09/07/2022 10:10	4.5	84	12	6.9	0.00
09/07/2022 10:20	5.8	84	11	8.0	0.00
09/07/2022 10:30	5.3	85	13	6.9	0.00
09/07/2022 10:40	5.7	91	12	8.1	0.00
09/07/2022 10:50	5.8	89	11	7.9	0.00
09/07/2022 11:00	5.5	95	12	7.6	0.00
09/07/2022 11:10	5.6	98	12	7.5	0.00
09/07/2022 11:20	5.2	91	12	7.2	0.00
09/07/2022 11:30	4.8	90	12	6.2	0.00
09/07/2022 11:40	4.9	76	14	6.8	0.00
09/07/2022 11:50	5.3	75	12	7.9	0.00
09/07/2022 12:00	5.7	81	16	7.5	0.00
09/07/2022 12:10	5.9	87	13	7.7	0.00
09/07/2022 12:20	5.8	86	10	7.6	0.00
09/07/2022 12:30	5.8	89	11	7.5	0.00
09/07/2022 12:40	5.7	86	10	7.6	0.00
09/07/2022 12:50	5.3	90	11	6.7	0.00
09/07/2022 13:00	5.4	101	11	7.7	0.00
09/07/2022 13:10	5.2	103	12	6.8	0.00
09/07/2022 13:20	5.2	102	11	6.8	0.00
09/07/2022 13:30	5.0	95	12	6.8	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/07/2022 13:40	5.1	102	12	6.8	0.00
09/07/2022 13:50	5.2	88	12	7.2	0.00
09/07/2022 14:00	5.5	90	11	7.4	0.00
09/07/2022 14:10	5.6	90	12	7.5	0.00
09/07/2022 14:20	5.5	92	10	7.1	0.00
09/07/2022 14:30	5.8	79	11	7.2	0.00
09/07/2022 14:40	5.3	84	11	7.0	0.00
09/07/2022 14:50	5.5	81	11	7.4	0.00
09/07/2022 15:00	4.8	82	11	6.0	0.00
09/07/2022 15:10	4.8	80	12	6.3	0.00
09/07/2022 15:20	5.3	81	10	6.8	0.00
09/07/2022 15:30	5.1	73	10	6.8	0.00
09/07/2022 15:40	5.3	77	10	6.7	0.00
09/07/2022 15:50	4.9	74	11	6.9	0.00
09/07/2022 16:00	4.0	71	14	6.4	0.00
09/07/2022 16:10	4.2	68	11	5.6	0.00
09/07/2022 16:20	3.8	64	10	5.1	0.00
09/07/2022 16:30	3.2	59	12	4.3	0.00
09/07/2022 16:40	3.5	54	12	4.8	0.00
09/07/2022 16:50	3.7	59	11	5.2	0.00
09/07/2022 17:00	3.4	58	12	4.4	0.00
09/07/2022 17:10	3.1	60	10	4.0	0.00
09/07/2022 17:20	2.8	62	10	3.6	0.00
09/07/2022 17:30	2.7	61	10	4.0	0.00
09/07/2022 17:40	2.3	61	10	3.1	0.00
09/07/2022 17:50	1.8	61	9	2.4	0.00
09/07/2022 18:00	1.5	58	9	2.0	0.00
09/07/2022 18:10	1.3	58	7	1.7	0.00
09/07/2022 18:20	1.1	62	11	1.6	0.00
09/07/2022 18:30	1.2	60	9	2.0	0.00
09/07/2022 18:40	1.3	60	5	1.7	0.00
09/07/2022 18:50	0.9	63	4	1.1	0.00
09/07/2022 19:00	0.5	77	3	0.9	0.00
09/07/2022 19:10					0.00
09/07/2022 19:20	0.2	59	4	0.7	0.00
09/07/2022 19:30	1.0	45	5	1.2	0.00
09/07/2022 19:40	0.3	189	7	0.7	0.00
09/07/2022 19:50					0.00
09/07/2022 20:00	0.4	294	6	1.0	0.00
09/07/2022 20:10	0.5	207	13	0.9	0.00
09/07/2022 20:20	0.6	219	7	1.2	0.00
09/07/2022 20:30	0.4	280	3	0.6	0.00
09/07/2022 20:40	0.5	297	3	1.1	0.00
09/07/2022 20:50	1.0	291	6	1.2	0.00
09/07/2022 21:00	0.6	264	13	1.1	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/07/2022 21:10	0.7	278	14	1.0	0.00
09/07/2022 21:20	1.1	298	4	1.3	0.00
09/07/2022 21:30	0.8	295	7	1.2	0.00
09/07/2022 21:40	1.1	297	5	1.3	0.00
09/07/2022 21:50	0.6	281	9	1.0	0.00
09/07/2022 22:00	0.6	298	5	1.1	0.00
09/07/2022 22:10	0.9	307	7	1.3	0.00
09/07/2022 22:20	1.2	299	5	1.4	0.00
09/07/2022 22:30	1.2	299	5	1.5	0.00
09/07/2022 22:40	0.9	297	7	1.2	0.00
09/07/2022 22:50	1.2	293	6	1.5	0.00
09/07/2022 23:00	0.7	285	11	1.0	0.00
09/07/2022 23:10	0.8	297	10	1.2	0.00
09/07/2022 23:20	0.4	319	8	0.9	0.00
09/07/2022 23:30	0.6	173	6	1.0	0.00
09/07/2022 23:40	1.0	321	9	1.2	0.00
09/07/2022 23:50	1.2	300	4	1.4	0.00
10/07/2022 00:00	0.8	292	12	1.1	0.00
10/07/2022 00:10	0.8	278	16	1.0	0.00
10/07/2022 00:20	0.9	288	11	1.2	0.00
10/07/2022 00:30	1.1	297	4	1.2	0.00
10/07/2022 00:40	1.2	300	2	1.4	0.00
10/07/2022 00:50	1.1	298	4	1.4	0.00
10/07/2022 01:00	1.1	303	3	1.2	0.00
10/07/2022 01:10	1.2	300	2	1.4	0.00
10/07/2022 01:20	0.8	311	9	1.1	0.00
10/07/2022 01:30	0.5	306	4	0.8	0.00
10/07/2022 01:40	1.0	286	15	1.2	0.00
10/07/2022 01:50	0.8	248	18	1.2	0.00
10/07/2022 02:00	0.8	273	14	1.1	0.00
10/07/2022 02:10	0.9	295	12	1.2	0.00
10/07/2022 02:20	1.0	294	5	1.3	0.00
10/07/2022 02:30	0.6	306	11	1.3	0.00
10/07/2022 02:40	0.4	296	8	1.0	0.00
10/07/2022 02:50	0.4	210	24	1.1	0.00
10/07/2022 03:00	0.2	105	23	0.9	0.00
10/07/2022 03:10	0.0	354	5	0.4	0.00
10/07/2022 03:20	0.4	184	30	1.2	0.00
10/07/2022 03:30	0.8	264	37	1.2	0.00
10/07/2022 03:40	0.9	265	24	1.4	0.00
10/07/2022 03:50	0.6	256	46	1.4	0.00
10/07/2022 04:00	0.5	286	60	1.0	0.00
10/07/2022 04:10	0.7	267	62	1.9	0.00
10/07/2022 04:20	0.7	279	54	1.3	0.00
10/07/2022 04:30	0.9	287	13	1.6	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/07/2022 04:40	1.4	289	14	1.9	0.00
10/07/2022 04:50	1.0	263	23	1.5	0.00
10/07/2022 05:00	0.8	264	20	1.6	0.00
10/07/2022 05:10	0.9	247	16	1.3	0.00
10/07/2022 05:20	1.0	295	8	1.2	0.00
10/07/2022 05:30	0.9	289	27	1.3	0.00
10/07/2022 05:40	0.9	300	51	1.3	0.00
10/07/2022 05:50	0.0	76	6	0.4	0.00
10/07/2022 06:00	0.3	218	13	0.8	0.00
10/07/2022 06:10	0.5	97	21	1.2	0.00
10/07/2022 06:20	0.9	98	20	1.7	0.00
10/07/2022 06:30	0.9	220	38	1.4	0.00
10/07/2022 06:40	0.6	334	45	1.0	0.00
10/07/2022 06:50	0.8	212	21	1.2	0.00
10/07/2022 07:00	0.7	173	38	1.2	0.00
10/07/2022 07:10	0.7	202	41	1.1	0.00
10/07/2022 07:20	0.9	106	25	1.5	0.00
10/07/2022 07:30	1.2	103	17	2.0	0.00
10/07/2022 07:40	1.9	99	11	2.7	0.00
10/07/2022 07:50	1.8	101	9	2.5	0.00
10/07/2022 08:00	1.9	98	10	2.8	0.00
10/07/2022 08:10	2.2	93	11	2.7	0.00
10/07/2022 08:20	2.5	91	11	3.5	0.00
10/07/2022 08:30	3.0	90	9	4.0	0.00
10/07/2022 08:40	2.7	90	10	3.3	0.00
10/07/2022 08:50	2.8	101	10	3.5	0.00
10/07/2022 09:00	3.1	108	13	4.3	0.00
10/07/2022 09:10	3.0	119	12	4.0	0.00
10/07/2022 09:20	3.1	116	14	4.0	0.00
10/07/2022 09:30	2.9	126	17	3.9	0.00
10/07/2022 09:40	3.1	103	14	4.6	0.00
10/07/2022 09:50	3.9	102	12	5.1	0.00
10/07/2022 10:00	3.3	119	14	4.8	0.00
10/07/2022 10:10	3.5	110	11	4.8	0.00
10/07/2022 10:20	3.8	109	10	4.7	0.00
10/07/2022 10:30	3.7	102	12	4.9	0.00
10/07/2022 10:40	3.6	95	15	4.7	0.00
10/07/2022 10:50	3.5	101	11	4.9	0.00
10/07/2022 11:00	4.0	94	10	4.9	0.00
10/07/2022 11:10	4.0	98	12	5.4	0.00
10/07/2022 11:20	3.3	101	14	4.5	0.00
10/07/2022 11:30	3.5	91	13	4.8	0.00
10/07/2022 11:40	3.7	90	13	5.1	0.00
10/07/2022 11:50	3.5	89	14	5.0	0.00
10/07/2022 12:00	3.7	104	13	5.1	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/07/2022 12:10	3.8	87	14	5.3	0.00
10/07/2022 12:20	3.8	87	11	5.2	0.00
10/07/2022 12:30	4.2	89	10	5.3	0.00
10/07/2022 12:40	3.8	80	15	5.4	0.00
10/07/2022 12:50	4.1	84	11	5.6	0.00
10/07/2022 13:00	4.0	83	12	5.4	0.00
10/07/2022 13:10	4.1	91	13	5.5	0.00
10/07/2022 13:20	3.7	85	13	5.4	0.00
10/07/2022 13:30	3.9	82	15	5.2	0.00
10/07/2022 13:40	4.2	79	10	5.6	0.00
10/07/2022 13:50	4.1	83	11	5.5	0.00
10/07/2022 14:00	4.1	83	12	5.3	0.00
10/07/2022 14:10	4.4	92	11	5.2	0.00
10/07/2022 14:20	4.2	89	13	5.5	0.00
10/07/2022 14:30	4.1	97	12	5.5	0.00
10/07/2022 14:40	4.1	93	10	5.6	0.00
10/07/2022 14:50	4.0	92	12	5.2	0.00
10/07/2022 15:00	4.0	84	12	5.4	0.00
10/07/2022 15:10	4.1	78	10	5.4	0.00
10/07/2022 15:20	4.4	76	10	5.8	0.00
10/07/2022 15:30	4.0	74	11	5.0	0.00
10/07/2022 15:40	4.2	71	10	5.7	0.00
10/07/2022 15:50	4.0	71	10	5.6	0.00
10/07/2022 16:00	4.0	77	10	5.2	0.00
10/07/2022 16:10	3.9	82	11	5.0	0.00
10/07/2022 16:20	3.3	83	12	4.4	0.00
10/07/2022 16:30	2.8	69	11	4.1	0.00
10/07/2022 16:40	2.3	60	14	3.2	0.00
10/07/2022 16:50	2.7	52	13	3.9	0.00
10/07/2022 17:00	2.7	52	11	3.6	0.00
10/07/2022 17:10	2.0	53	13	3.0	0.00
10/07/2022 17:20	0.8	136	51	1.6	0.00
10/07/2022 17:30	1.4	241	11	2.0	0.00
10/07/2022 17:40	0.6	145	40	1.1	0.00
10/07/2022 17:50	0.1	164	2	0.8	0.00
10/07/2022 18:00	1.4	242	8	1.7	0.00
10/07/2022 18:10	1.2	238	11	1.6	0.00
10/07/2022 18:20	0.6	190	16	1.1	0.00
10/07/2022 18:30	0.7	40	14	1.1	0.00
10/07/2022 18:40	0.6	154	15	0.8	0.00
10/07/2022 18:50	0.8	242	13	1.1	0.00
10/07/2022 19:00	0.6	242	16	1.1	0.00
10/07/2022 19:10	0.2	345	7	0.8	0.00
10/07/2022 19:20					0.00
10/07/2022 19:30	0.1	276	1	0.8	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/07/2022 19:40	0.8	251	17	1.1	0.00
10/07/2022 19:50	0.3	233	9	0.8	0.00
10/07/2022 20:00	1.0	234	13	1.4	0.00
10/07/2022 20:10	1.7	247	7	2.1	0.00
10/07/2022 20:20	1.6	250	8	2.0	0.00
10/07/2022 20:30	1.0	255	9	1.3	0.00
10/07/2022 20:40	0.8	271	8	1.1	0.00
10/07/2022 20:50	1.1	268	7	1.3	0.00
10/07/2022 21:00	1.3	267	8	1.6	0.00
10/07/2022 21:10	1.0	275	7	1.2	0.00
10/07/2022 21:20	0.9	272	6	1.2	0.00
10/07/2022 21:30	0.4	298	9	0.8	0.00
10/07/2022 21:40	0.7	290	7	1.1	0.00
10/07/2022 21:50	0.3	284	5	0.6	0.00
10/07/2022 22:00	0.0	248	0	0.4	0.00
10/07/2022 22:10					0.00
10/07/2022 22:20	0.0	261	2	0.4	0.00
10/07/2022 22:30					0.00
10/07/2022 22:40	0.7	296	6	1.2	0.00
10/07/2022 22:50	1.1	282	7	1.3	0.00
10/07/2022 23:00	0.8	247	15	1.2	0.00
10/07/2022 23:10	1.2	248	10	1.6	0.00
10/07/2022 23:20	0.9	245	12	1.2	0.00
10/07/2022 23:30	0.8	241	12	1.1	0.00
10/07/2022 23:40	1.4	253	8	1.9	0.00
10/07/2022 23:50	1.3	250	10	1.7	0.00
11/07/2022 00:00	0.9	230	15	1.2	0.00
11/07/2022 00:10	1.5	262	8	2.2	0.00
11/07/2022 00:20	1.7	262	7	2.2	0.00
11/07/2022 00:30	1.7	271	9	2.2	0.00
11/07/2022 00:40	1.6	276	6	1.8	0.00
11/07/2022 00:50	1.4	270	7	1.6	0.00
11/07/2022 01:00	1.1	271	8	1.3	0.00
11/07/2022 01:10	1.0	287	5	1.2	0.00
11/07/2022 01:20	0.9	291	6	1.2	0.00
11/07/2022 01:30	0.9	322	20	1.2	0.00
11/07/2022 01:40	0.7	318	15	0.9	0.00
11/07/2022 01:50	0.4	335	9	0.7	0.00
11/07/2022 02:00	0.7	301	2	1.1	0.00
11/07/2022 02:10	0.9	299	2	1.2	0.00
11/07/2022 02:20	0.4	305	4	0.8	0.00
11/07/2022 02:30	0.7	323	7	1.1	0.00
11/07/2022 02:40	1.1	300	3	1.4	0.00
11/07/2022 02:50	0.9	295	6	1.2	0.00
11/07/2022 03:00	0.4	328	15	0.8	0.00





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/07/2022 03:10	0.3	353	8	0.6	0.00
11/07/2022 03:20	0.5	336	15	0.8	0.00
11/07/2022 03:30	0.7	172	22	1.2	0.00
11/07/2022 03:40	0.7	346	17	0.8	0.00
11/07/2022 03:50	0.0	192	0	0.4	0.00
11/07/2022 04:00	0.9	299	3	1.2	0.00
11/07/2022 04:10	0.8	308	11	1.1	0.00
11/07/2022 04:20	0.7	315	11	1.0	0.00
11/07/2022 04:30	0.9	299	13	1.4	0.00
11/07/2022 04:40	0.9	311	8	1.1	0.00
11/07/2022 04:50	0.7	324	16	1.0	0.00
11/07/2022 05:00	0.6	324	10	0.8	0.00
11/07/2022 05:10	0.8	319	6	1.0	0.00
11/07/2022 05:20	0.8	301	7	1.1	0.00
11/07/2022 05:30	0.7	297	11	1.0	0.00
11/07/2022 05:40	0.4	338	23	0.8	0.00
11/07/2022 05:50	0.5	189	13	0.9	0.00
11/07/2022 06:00	0.6	71	13	1.0	0.00
11/07/2022 06:10	0.4	53	37	0.8	0.00
11/07/2022 06:20	0.6	98	39	1.2	0.00
11/07/2022 06:30	1.1	109	17	2.0	0.00
11/07/2022 06:40	1.2	101	18	2.2	0.00
11/07/2022 06:50	2.3	98	13	3.4	0.00
11/07/2022 07:00	3.1	89	11	4.2	0.00
11/07/2022 07:10	3.1	97	9	4.4	0.00
11/07/2022 07:20	3.3	96	9	4.0	0.00
11/07/2022 07:30	3.2	98	8	4.0	0.00
11/07/2022 07:40	3.4	100	9	4.3	0.00
11/07/2022 07:50	3.1	103	8	3.8	0.00
11/07/2022 08:00	3.2	100	9	3.9	0.00
11/07/2022 08:10	3.0	100	8	3.8	0.00
11/07/2022 08:20	2.5	100	10	3.2	0.00
11/07/2022 08:30	2.9	100	11	4.0	0.00
11/07/2022 08:40	3.4	97	11	4.4	0.00
11/07/2022 08:50	3.5	101	9	4.7	0.00
11/07/2022 09:00	4.2	100	10	5.1	0.00
11/07/2022 09:10	3.9	102	11	5.4	0.00
11/07/2022 09:20	3.8	106	10	4.8	0.00
11/07/2022 09:30	4.0	101	12	5.1	0.00
11/07/2022 09:40	4.1	105	10	5.3	0.00
11/07/2022 09:50	4.0	99	9	5.3	0.00
11/07/2022 10:00	3.7	103	10	4.7	0.00
11/07/2022 10:10	4.0	100	10	5.2	0.00
11/07/2022 10:20	3.7	95	12	5.0	0.00
11/07/2022 10:30	3.4	98	16	4.4	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/07/2022 10:40	3.4	98	14	4.6	0.00
11/07/2022 10:50	3.5	93	10	4.7	0.00
11/07/2022 11:00	3.9	89	12	5.3	0.00
11/07/2022 11:10	3.6	90	15	5.3	0.00
11/07/2022 11:20	4.5	86	12	6.0	0.00
11/07/2022 11:30	4.8	79	12	6.4	0.00
11/07/2022 11:40	4.8	85	12	6.5	0.00
11/07/2022 11:50	4.4	89	11	6.2	0.00
11/07/2022 12:00	4.9	89	13	6.9	0.00
11/07/2022 12:10	5.1	90	11	6.8	0.00
11/07/2022 12:20	4.8	88	12	6.8	0.00
11/07/2022 12:30	5.2	78	12	6.9	0.00
11/07/2022 12:40	5.3	84	11	7.2	0.00
11/07/2022 12:50	5.0	88	11	6.8	0.00
11/07/2022 13:00	4.6	85	14	6.6	0.00
11/07/2022 13:10	5.1	79	10	7.1	0.00
11/07/2022 13:20	5.1	72	11	6.9	0.00
11/07/2022 13:30	5.4	74	13	7.5	0.00
11/07/2022 13:40	5.5	71	10	6.8	0.00
11/07/2022 13:50	5.0	68	12	7.1	0.00
11/07/2022 14:00	4.5	77	13	6.0	0.00
11/07/2022 14:10	4.8	75	12	6.9	0.00
11/07/2022 14:20	5.3	74	12	7.2	0.00
11/07/2022 14:30	5.1	64	11	6.5	0.00
11/07/2022 14:40	5.3	71	13	7.4	0.10
11/07/2022 14:50	5.6	73	10	7.2	0.00
11/07/2022 15:00	4.6	82	13	6.1	0.00
11/07/2022 15:10	4.7	66	13	6.6	0.00
11/07/2022 15:20	4.5	60	13	6.3	0.00
11/07/2022 15:30	4.9	60	12	6.5	0.00
11/07/2022 15:40	5.0	61	12	7.2	0.00
11/07/2022 15:50	4.6	61	12	6.7	0.00
11/07/2022 16:00	5.0	66	12	6.4	0.00
11/07/2022 16:10	4.6	66	11	6.0	0.00
11/07/2022 16:20	4.6	66	12	6.4	0.00
11/07/2022 16:30	4.3	66	11	6.0	0.00
11/07/2022 16:40	4.0	63	9	5.8	0.00
11/07/2022 16:50	3.5	61	12	4.5	0.00
11/07/2022 17:00	3.3	58	12	4.5	0.00
11/07/2022 17:10	3.6	51	12	4.7	0.00
11/07/2022 17:20	3.5	52	11	4.6	0.00
11/07/2022 17:30	3.4	56	10	4.6	0.00
11/07/2022 17:40	2.7	57	10	3.7	0.00
11/07/2022 17:50	2.3	62	10	3.6	0.00
11/07/2022 18:00	1.8	53	9	2.7	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/07/2022 18:10	1.8	45	7	2.1	0.00
11/07/2022 18:20	1.4	48	6	1.7	0.00
11/07/2022 18:30	1.4	44	6	1.7	0.00
11/07/2022 18:40	1.5	47	7	2.0	0.00
11/07/2022 18:50	0.6	56	6	1.2	0.00
11/07/2022 19:00	0.0	209	2	0.4	0.00
11/07/2022 19:10	0.3	220	6	0.8	0.00
11/07/2022 19:20					0.00
11/07/2022 19:30	0.5	31	8	1.0	0.00
11/07/2022 19:40	0.4	51	7	0.8	0.00
11/07/2022 19:50	0.0	69	2	0.4	0.00
11/07/2022 20:00					0.00
11/07/2022 20:10	0.0	170	0	0.4	0.00
11/07/2022 20:20					0.00
11/07/2022 20:30					0.00
11/07/2022 20:40	0.4	269	11	0.8	0.00
11/07/2022 20:50	0.7	296	6	1.1	0.00
11/07/2022 21:00	0.7	299	4	1.2	0.00
11/07/2022 21:10	0.6	301	8	0.8	0.00
11/07/2022 21:20	0.6	326	13	0.9	0.00
11/07/2022 21:30	0.5	12	8	1.2	0.00
11/07/2022 21:40	0.4	140	16	0.8	0.00
11/07/2022 21:50	0.7	129	55	1.2	0.00
11/07/2022 22:00	0.0	265	0	0.4	0.00
11/07/2022 22:10	0.5	71	15	1.2	0.00
11/07/2022 22:20	0.9	40	26	1.3	0.00
11/07/2022 22:30	1.0	50	21	1.5	0.00
11/07/2022 22:40	0.3	125	15	0.8	0.00
11/07/2022 22:50	0.0	124	4	0.4	0.00
11/07/2022 23:00	0.1	222	4	0.6	0.00
11/07/2022 23:10	0.4	304	5	0.9	0.00
11/07/2022 23:20	0.5	285	6	0.9	0.00
11/07/2022 23:30	0.4	188	14	1.0	0.00
11/07/2022 23:40	0.5	175	18	1.0	0.00
11/07/2022 23:50					0.00
12/07/2022 00:00	0.0	265	0	0.4	0.00
12/07/2022 00:10	0.5	252	11	0.9	0.00
12/07/2022 00:20	0.2	201	11	0.7	0.00
12/07/2022 00:30	0.4	284	22	0.8	0.00
12/07/2022 00:40	0.6	307	10	0.9	0.00
12/07/2022 00:50	0.7	303	6	1.0	0.00
12/07/2022 01:00	0.8	301	9	1.1	0.00
12/07/2022 01:10	0.7	258	16	0.9	0.00
12/07/2022 01:20	1.0	287	9	1.2	0.00
12/07/2022 01:30	0.6	264	12	0.8	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/07/2022 01:40	0.3	245	13	0.8	0.00
12/07/2022 01:50	0.7	281	10	0.8	0.00
12/07/2022 02:00	0.8	266	13	1.0	0.00
12/07/2022 02:10	0.9	277	13	1.1	0.00
12/07/2022 02:20	0.7	291	12	0.9	0.00
12/07/2022 02:30	0.3	195	21	1.0	0.00
12/07/2022 02:40	0.3	137	27	1.0	0.00
12/07/2022 02:50	0.4	223	45	0.9	0.00
12/07/2022 03:00	0.5	105	30	1.0	0.00
12/07/2022 03:10	0.9	31	56	1.6	0.00
12/07/2022 03:20	0.4	264	44	1.3	0.00
12/07/2022 03:30	0.2	282	10	0.8	0.00
12/07/2022 03:40	0.7	75	11	1.2	0.00
12/07/2022 03:50	1.2	101	14	1.8	0.00
12/07/2022 04:00	1.3	100	10	1.8	0.00
12/07/2022 04:10	1.4	99	7	1.7	0.00
12/07/2022 04:20	1.7	98	8	2.2	0.00
12/07/2022 04:30	1.6	96	9	2.3	0.00
12/07/2022 04:40	1.3	99	11	1.7	0.00
12/07/2022 04:50	1.5	96	8	2.0	0.00
12/07/2022 05:00	1.0	72	11	1.5	0.00
12/07/2022 05:10	1.0	91	11	1.6	0.00
12/07/2022 05:20	1.5	97	7	1.9	0.00
12/07/2022 05:30	1.4	94	8	1.7	0.00
12/07/2022 05:40	1.3	93	8	1.7	0.00
12/07/2022 05:50	1.1	73	10	1.6	0.00
12/07/2022 06:00	0.8	67	13	1.2	0.00
12/07/2022 06:10	1.4	59	14	2.0	0.00
12/07/2022 06:20	1.3	56	27	2.2	0.00
12/07/2022 06:30	0.7	49	29	1.1	0.00
12/07/2022 06:40	0.3	315	19	0.8	0.00
12/07/2022 06:50	1.1	32	25	1.8	0.00
12/07/2022 07:00	2.1	65	13	2.8	0.00
12/07/2022 07:10	2.1	75	10	2.8	0.00
12/07/2022 07:20	1.8	76	11	2.8	0.00
12/07/2022 07:30	2.0	72	12	2.7	0.00
12/07/2022 07:40	2.1	71	9	2.9	0.00
12/07/2022 07:50	2.6	77	9	3.3	0.00
12/07/2022 08:00	3.0	83	11	4.2	0.00
12/07/2022 08:10	3.4	86	10	4.8	0.00
12/07/2022 08:20	3.9	87	11	4.9	0.00
12/07/2022 08:30	3.8	86	12	5.3	0.00
12/07/2022 08:40	3.5	87	14	5.3	0.00
12/07/2022 08:50	4.1	82	11	5.8	0.00
12/07/2022 09:00	5.6	77	9	7.5	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/07/2022 09:10	5.4	80	10	6.9	0.00
12/07/2022 09:20	4.3	84	12	5.3	0.00
12/07/2022 09:30	3.6	83	14	5.3	0.00
12/07/2022 09:40	4.2	83	10	5.7	0.00
12/07/2022 09:50	4.3	85	12	6.0	0.00
12/07/2022 10:00	4.4	79	13	6.0	0.00
12/07/2022 10:10	4.8	87	15	6.5	0.00
12/07/2022 10:20	5.2	92	11	7.5	0.00
12/07/2022 10:30	4.0	84	11	5.9	0.00
12/07/2022 10:40	4.6	95	12	7.0	0.00
12/07/2022 10:50	4.7	92	13	6.7	0.00
12/07/2022 11:00	5.7	88	12	7.6	0.00
12/07/2022 11:10	5.9	86	13	8.4	0.00
12/07/2022 11:20	5.6	86	13	7.2	0.00
12/07/2022 11:30	6.1	83	11	7.9	0.00
12/07/2022 11:40	6.1	81	11	7.9	0.00
12/07/2022 11:50	6.0	77	13	8.3	0.00
12/07/2022 12:00	6.3	79	10	8.5	0.00
12/07/2022 12:10	6.0	79	10	8.3	0.00
12/07/2022 12:20	5.5	80	13	7.5	0.00
12/07/2022 12:30	5.9	76	10	8.5	0.00
12/07/2022 12:40	5.6	75	10	7.9	0.00
12/07/2022 12:50	6.4	77	12	8.2	0.00
12/07/2022 13:00	5.7	82	12	7.5	0.00
12/07/2022 13:10	5.1	76	12	6.8	0.00
12/07/2022 13:20	6.2	86	9	9.0	0.00
12/07/2022 13:30	6.2	87	12	8.7	0.00
12/07/2022 13:40	5.6	87	13	7.8	0.00
12/07/2022 13:50	6.0	82	11	8.3	0.00
12/07/2022 14:00	5.6	81	12	7.9	0.00
12/07/2022 14:10	5.5	84	11	7.7	0.00
12/07/2022 14:20	5.7	81	13	7.6	0.00
12/07/2022 14:30	5.5	79	11	7.3	0.00
12/07/2022 14:40	4.4	75	15	6.2	0.00
12/07/2022 14:50	4.6	69	12	6.3	0.00
12/07/2022 15:00	4.7	70	14	6.7	0.00
12/07/2022 15:10	4.9	65	11	6.7	0.00
12/07/2022 15:20	5.7	73	11	7.8	0.00
12/07/2022 15:30	4.8	68	13	7.0	0.00
12/07/2022 15:40	5.0	64	14	6.9	0.00
12/07/2022 15:50	5.2	64	10	7.2	0.00
12/07/2022 16:00	4.7	55	12	6.9	0.00
12/07/2022 16:10	5.0	60	13	7.0	0.00
12/07/2022 16:20	5.1	60	13	6.9	0.00
12/07/2022 16:30	5.0	60	11	7.3	0.00



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/07/2022 16:40	5.1	63	12	7.5	0.00
12/07/2022 16:50	5.0	56	11	7.0	0.00
12/07/2022 17:00	5.5	55	12	7.3	0.00
12/07/2022 17:10	5.5	57	10	7.3	0.00
12/07/2022 17:20	4.7	59	12	6.4	0.00
12/07/2022 17:30	4.2	56	11	5.4	0.00
12/07/2022 17:40	3.4	56	10	4.8	0.00
12/07/2022 17:50	3.1	56	10	4.9	0.00
12/07/2022 18:00	2.2	52	10	2.9	0.00
12/07/2022 18:10	2.2	53	11	3.2	0.00
12/07/2022 18:20	1.7	61	8	2.1	0.00
12/07/2022 18:30	1.7	59	9	2.4	0.00
12/07/2022 18:40	1.4	63	7	1.8	0.00
12/07/2022 18:50	1.6	65	8	1.9	0.00
12/07/2022 19:00	1.7	66	7	2.2	0.00
12/07/2022 19:10	1.6	66	8	2.0	0.00
12/07/2022 19:20	0.9	66	14	1.3	0.00
12/07/2022 19:30	0.8	67	9	1.2	0.00
12/07/2022 19:40	0.0	67	0	0.4	0.00
12/07/2022 19:50					0.00
12/07/2022 20:00					0.00
12/07/2022 20:10					0.00
12/07/2022 20:20					0.00
12/07/2022 20:30					0.00
12/07/2022 20:40	0.2	305	17	0.9	0.00
12/07/2022 20:50	0.0	312	1	0.5	0.00
12/07/2022 21:00	0.1	161	2	0.8	0.00
12/07/2022 21:10	0.7	30	18	1.1	0.00
12/07/2022 21:20	0.6	55	18	1.0	0.00
12/07/2022 21:30	0.7	40	15	1.1	0.00
12/07/2022 21:40	0.1	68	9	0.8	0.00
12/07/2022 21:50	0.3	122	58	1.1	0.00
12/07/2022 22:00	0.5	23	24	1.1	0.00
12/07/2022 22:10	0.2	98	18	0.7	0.00
12/07/2022 22:20	0.2	130	9	1.1	0.00
12/07/2022 22:30	0.8	127	15	1.1	0.00
12/07/2022 22:40	0.3	56	5	0.9	0.00
12/07/2022 22:50	1.0	28	21	1.6	0.00
12/07/2022 23:00	1.2	26	14	2.0	0.00
12/07/2022 23:10	0.9	56	18	1.4	0.00
12/07/2022 23:20	0.8	47	19	1.2	0.00
12/07/2022 23:30	0.5	56	28	1.1	0.00
12/07/2022 23:40	0.7	55	23	1.3	0.00
12/07/2022 23:50	0.5	37	24	1.2	0.00
13/07/2022 00:00	0.8	28	20	1.2	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/07/2022 00:10	0.4	165	23	0.9	0.00
13/07/2022 00:20	0.5	10	45	1.2	0.00
13/07/2022 00:30	0.1	317	7	0.6	0.00
13/07/2022 00:40	0.1	298	23	0.6	0.00
13/07/2022 00:50	0.4	342	18	1.0	0.00
13/07/2022 01:00	0.1	308	13	0.8	0.00
13/07/2022 01:10	0.1	225	0	0.8	0.00
13/07/2022 01:20	0.3	267	6	0.6	0.00
13/07/2022 01:30	0.1	211	3	0.6	0.00
13/07/2022 01:40	0.2	93	35	0.8	0.00
13/07/2022 01:50	0.0	317	6	0.4	0.00
13/07/2022 02:00	0.2	43	9	0.8	0.00
13/07/2022 02:10	0.7	40	34	1.2	0.00
13/07/2022 02:20	2.1	90	21	3.2	0.00
13/07/2022 02:30	2.8	96	11	3.6	0.00
13/07/2022 02:40	2.9	100	8	3.6	0.00
13/07/2022 02:50	2.7	100	9	3.5	0.00
13/07/2022 03:00	2.6	97	9	3.3	0.00
13/07/2022 03:10	2.7	97	9	3.6	0.00
13/07/2022 03:20	2.4	105	14	3.4	0.00
13/07/2022 03:30	2.0	124	14	2.7	0.00
13/07/2022 03:40	2.4	106	9	3.2	0.00
13/07/2022 03:50	2.5	102	9	3.2	0.00
13/07/2022 04:00	2.5	102	6	3.2	0.00
13/07/2022 04:10	2.4	96	8	3.2	0.00
13/07/2022 04:20	2.2	97	9	3.1	0.00
13/07/2022 04:30	2.1	91	10	2.8	0.00
13/07/2022 04:40	1.7	99	8	2.0	0.00
13/07/2022 04:50	1.7	96	8	2.3	0.00
13/07/2022 05:00	1.8	112	10	2.4	0.00
13/07/2022 05:10	1.3	124	12	1.7	0.00
13/07/2022 05:20	1.2	117	9	1.6	0.00
13/07/2022 05:30	1.3	131	13	1.8	0.00
13/07/2022 05:40	1.1	120	11	1.5	0.00
13/07/2022 05:50	1.1	115	10	1.3	0.00
13/07/2022 06:00	1.0	118	9	1.5	0.00
13/07/2022 06:10	0.9	112	18	1.3	0.00
13/07/2022 06:20	0.9	126	14	1.1	0.00
13/07/2022 06:30	1.8	74	15	2.4	0.00
13/07/2022 06:40	2.6	67	7	2.9	0.00
13/07/2022 06:50	2.7	67	9	3.2	0.00
13/07/2022 07:00	1.5	95	21	2.2	0.00
13/07/2022 07:10	1.5	105	21	2.4	0.00
13/07/2022 07:20	2.5	94	12	3.7	0.00
13/07/2022 07:30	2.8	88	9	4.0	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/07/2022 07:40	2.6	96	14	4.0	0.00
13/07/2022 07:50	2.2	111	11	3.2	0.00
13/07/2022 08:00	2.6	106	11	4.6	0.00
13/07/2022 08:10	3.7	93	11	5.1	0.00
13/07/2022 08:20	2.9	90	13	4.1	0.00
13/07/2022 08:30	2.7	94	13	3.6	0.00
13/07/2022 08:40	2.8	96	14	3.8	0.00
13/07/2022 08:50	2.6	98	14	3.6	0.00
13/07/2022 09:00	2.8	96	13	4.4	0.00
13/07/2022 09:10	3.3	95	15	5.1	0.00
13/07/2022 09:20	3.6	105	12	5.6	0.00
13/07/2022 09:30	3.1	106	13	4.9	0.00
13/07/2022 09:40	4.1	100	12	6.1	0.00
13/07/2022 09:50	4.5	86	11	6.4	0.00
13/07/2022 10:00	5.2	91	13	7.5	0.00
13/07/2022 10:10	4.7	95	14	6.8	0.00
13/07/2022 10:20	5.3	88	13	6.8	0.00
13/07/2022 10:30	4.9	91	11	6.4	0.00
13/07/2022 10:40	5.4	86	9	7.3	0.00
13/07/2022 10:50	5.7	90	13	7.5	0.00
13/07/2022 11:00	5.9	89	14	8.0	0.00
13/07/2022 11:10	5.4	95	14	8.7	0.00
13/07/2022 11:20	5.7	83	11	7.9	0.00
13/07/2022 11:30	6.0	84	11	8.3	0.00
13/07/2022 11:40	5.7	93	12	8.2	0.00
13/07/2022 11:50	6.2	91	12	8.3	0.00
13/07/2022 12:00	6.0	86	11	8.6	0.00
13/07/2022 12:10	6.4	86	13	8.7	0.00
13/07/2022 12:20	6.4	90	12	8.5	0.00
13/07/2022 12:30	6.3	79	12	8.9	0.00
13/07/2022 12:40	7.0	81	9	9.6	0.00
13/07/2022 12:50	6.6	88	11	8.7	0.00
13/07/2022 13:00	5.8	79	11	8.2	0.00
13/07/2022 13:10	7.2	75	10	9.1	0.00
13/07/2022 13:20	6.8	78	12	9.7	0.00
13/07/2022 13:30	6.6	77	11	9.1	0.00
13/07/2022 13:40	7.0	82	13	9.3	0.00
13/07/2022 13:50	6.9	77	10	8.9	0.00
13/07/2022 14:00	6.5	78	12	8.5	0.00
13/07/2022 14:10	6.1	79	13	8.3	0.00
13/07/2022 14:20	6.5	77	11	9.8	0.00
13/07/2022 14:30	6.7	68	13	9.1	0.00
13/07/2022 14:40	6.6	70	13	9.7	0.00
13/07/2022 14:50	6.9	66	11	9.5	0.00
13/07/2022 15:00	7.0	62	11	9.8	0.00





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/07/2022 15:10	7.1	66	12	9.3	0.00
13/07/2022 15:20	5.8	61	12	8.0	0.00
13/07/2022 15:30	5.9	65	12	9.1	0.00
13/07/2022 15:40	6.3	62	11	8.2	0.00
13/07/2022 15:50	6.3	63	12	8.7	0.00
13/07/2022 16:00	6.1	54	12	8.6	0.00
13/07/2022 16:10	6.7	55	12	8.7	0.00
13/07/2022 16:20	6.3	61	12	8.2	0.00
13/07/2022 16:30	6.4	56	11	8.2	0.00
13/07/2022 16:40	6.2	59	12	8.1	0.00
13/07/2022 16:50	6.2	59	12	8.2	0.00
13/07/2022 17:00	5.5	58	11	8.2	0.00
13/07/2022 17:10	5.3	60	10	7.3	0.00
13/07/2022 17:20	4.6	57	12	6.9	0.00
13/07/2022 17:30	5.2	53	10	6.9	0.00
13/07/2022 17:40	4.7	57	12	6.4	0.00
13/07/2022 17:50	3.8	57	13	5.9	0.00
13/07/2022 18:00	3.7	55	10	5.1	0.00
13/07/2022 18:10	3.4	57	11	4.6	0.00
13/07/2022 18:20	2.9	54	13	4.4	0.00
13/07/2022 18:30	2.9	53	11	4.4	0.00
13/07/2022 18:40	2.8	59	10	4.1	0.00
13/07/2022 18:50	2.9	55	9	3.8	0.00
13/07/2022 19:00	2.4	56	10	3.2	0.00
13/07/2022 19:10	2.0	58	11	2.8	0.00
13/07/2022 19:20	1.9	64	10	2.3	0.00
13/07/2022 19:30	2.0	66	8	2.4	0.00
13/07/2022 19:40	1.8	71	7	2.4	0.00
13/07/2022 19:50	1.2	90	11	1.7	0.00
13/07/2022 20:00	1.2	84	20	1.8	0.00
13/07/2022 20:10	1.2	34	11	1.4	0.00
13/07/2022 20:20	1.3	53	10	1.6	0.00
13/07/2022 20:30	1.5	48	9	1.8	0.00
13/07/2022 20:40	1.5	43	8	2.0	0.00
13/07/2022 20:50	1.4	45	8	1.9	0.00
13/07/2022 21:00	1.7	51	9	2.0	0.00
13/07/2022 21:10	1.4	49	5	2.0	0.00
13/07/2022 21:20	1.1	43	10	1.6	0.00
13/07/2022 21:30	1.6	49	6	2.0	0.00
13/07/2022 21:40	1.3	54	7	1.6	0.00
13/07/2022 21:50	1.5	53	8	1.9	0.00
13/07/2022 22:00	1.2	60	11	1.8	0.00
13/07/2022 22:10	0.7	68	8	1.2	0.00
13/07/2022 22:20	0.6	92	15	1.1	0.00
13/07/2022 22:30	0.9	108	23	1.3	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/07/2022 22:40	0.3	141	7	0.8	0.00
13/07/2022 22:50	0.2	244	10	0.8	0.00
13/07/2022 23:00	0.4	251	14	0.8	0.00
13/07/2022 23:10	1.3	266	12	1.8	0.00
13/07/2022 23:20	0.7	239	10	1.3	0.00
13/07/2022 23:30	0.3	45	7	1.2	0.00
13/07/2022 23:40	0.7	50	14	1.1	0.00
13/07/2022 23:50	0.6	309	6	1.1	0.00
14/07/2022 00:00	0.5	292	11	1.1	0.00
14/07/2022 00:10	0.9	261	16	1.4	0.00
14/07/2022 00:20	0.7	246	16	1.2	0.00
14/07/2022 00:30	0.8	288	17	1.2	0.00
14/07/2022 00:40	0.4	250	12	0.9	0.00
14/07/2022 00:50	0.4	279	7	1.0	0.00
14/07/2022 01:00	0.7	244	18	1.1	0.00
14/07/2022 01:10	0.7	224	10	0.9	0.00
14/07/2022 01:20	0.6	266	12	1.0	0.00
14/07/2022 01:30	0.6	232	7	1.1	0.00
14/07/2022 01:40					0.00
14/07/2022 01:50					0.00
14/07/2022 02:00	0.4	55	15	1.2	0.00
14/07/2022 02:10	0.4	83	21	1.1	0.00
14/07/2022 02:20	1.3	105	12	2.0	0.00
14/07/2022 02:30	1.7	103	9	2.3	0.00
14/07/2022 02:40	2.3	100	10	3.0	0.00
14/07/2022 02:50	2.8	95	11	3.6	0.00
14/07/2022 03:00	2.5	95	9	3.2	0.00
14/07/2022 03:10	2.5	95	9	3.1	0.00
14/07/2022 03:20	2.5	95	9	3.3	0.00
14/07/2022 03:30	2.4	90	10	3.1	0.00
14/07/2022 03:40	2.4	88	9	3.1	0.00
14/07/2022 03:50	2.1	96	9	2.7	0.00
14/07/2022 04:00	1.9	93	9	2.6	0.00
14/07/2022 04:10	1.8	90	9	2.2	0.00
14/07/2022 04:20	2.2	95	8	2.7	0.00
14/07/2022 04:30	2.0	97	9	2.8	0.00
14/07/2022 04:40	2.3	97	9	3.3	0.00
14/07/2022 04:50	3.1	87	9	4.3	0.00
14/07/2022 05:00	2.9	92	10	3.8	0.00
14/07/2022 05:10	2.6	95	9	3.4	0.00
14/07/2022 05:20	2.4	101	9	3.2	0.00
14/07/2022 05:30	2.5	103	9	3.5	0.00
14/07/2022 05:40	2.1	108	9	2.6	0.00
14/07/2022 05:50	1.6	118	9	2.0	0.00
14/07/2022 06:00	1.7	105	10	2.3	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/07/2022 06:10	1.6	119	9	2.1	0.00
14/07/2022 06:20	2.3	101	12	3.2	0.00
14/07/2022 06:30	2.5	112	10	3.5	0.00
14/07/2022 06:40	2.6	83	8	3.4	0.00
14/07/2022 06:50	3.0	81	10	4.1	0.00
14/07/2022 07:00	3.1	81	8	4.0	0.00
14/07/2022 07:10	2.8	83	8	3.6	0.00
14/07/2022 07:20	2.1	101	17	2.9	0.00
14/07/2022 07:30	3.0	100	12	4.1	0.00
14/07/2022 07:40	3.5	97	12	4.7	0.00
14/07/2022 07:50	3.6	105	10	4.9	0.00
14/07/2022 08:00	3.2	96	11	4.6	0.00
14/07/2022 08:10	3.3	96	12	4.7	0.00
14/07/2022 08:20	3.9	95	12	6.0	0.00
14/07/2022 08:30	4.3	99	12	5.9	0.00
14/07/2022 08:40	3.9	99	13	5.2	0.00
14/07/2022 08:50	3.7	97	12	5.0	0.00
14/07/2022 09:00	3.7	103	12	4.9	0.00
14/07/2022 09:10	4.3	105	12	6.0	0.00
14/07/2022 09:20	3.9	114	12	5.6	0.00
14/07/2022 09:30	3.6	100	11	5.1	0.00
14/07/2022 09:40	4.8	104	11	6.1	0.00
14/07/2022 09:50	4.9	104	10	7.1	0.00
14/07/2022 10:00	4.8	102	11	6.4	0.00
14/07/2022 10:10	4.9	94	12	6.3	0.00
14/07/2022 10:20	5.4	100	12	7.2	0.00
14/07/2022 10:30	5.2	91	10	7.1	0.00
14/07/2022 10:40	4.9	94	13	6.6	0.00
14/07/2022 10:50	4.5	95	13	6.7	0.00
14/07/2022 11:00	4.9	87	13	6.8	0.00
14/07/2022 11:10	4.6	91	13	7.1	0.00
14/07/2022 11:20	4.2	94	17	6.1	0.00
14/07/2022 11:30	4.6	94	15	6.1	0.00
14/07/2022 11:40	4.8	96	12	6.4	0.00
14/07/2022 11:50	4.7	92	15	6.5	0.00
14/07/2022 12:00	5.1	89	12	7.0	0.00
14/07/2022 12:10	5.1	88	11	6.8	0.00
14/07/2022 12:20	4.9	91	13	6.4	0.00
14/07/2022 12:30	5.2	94	14	7.2	0.00
14/07/2022 12:40	5.5	89	14	6.9	0.00
14/07/2022 12:50	5.9	87	11	7.6	0.00
14/07/2022 13:00	5.3	89	11	7.1	0.00
14/07/2022 13:10	5.6	88	11	7.3	0.00
14/07/2022 13:20	5.4	91	11	7.5	0.00
14/07/2022 13:30	5.8	88	12	7.5	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/07/2022 13:40	6.0	86	12	7.8	0.00
14/07/2022 13:50	6.0	86	10	7.8	0.00
14/07/2022 14:00	5.5	86	11	7.5	0.00
14/07/2022 14:10	5.6	84	11	7.0	0.00
14/07/2022 14:20	5.1	87	11	6.6	0.00
14/07/2022 14:30	4.6	88	13	6.4	0.00
14/07/2022 14:40	4.9	90	12	6.4	0.00
14/07/2022 14:50	4.8	93	11	6.3	0.00
14/07/2022 15:00	5.0	89	9	6.8	0.00
14/07/2022 15:10	4.6	93	11	5.9	0.00
14/07/2022 15:20	4.8	88	10	6.3	0.00
14/07/2022 15:30	4.4	88	11	5.8	0.00
14/07/2022 15:40	4.4	93	11	5.8	0.00
14/07/2022 15:50	4.2	94	10	5.2	0.00
14/07/2022 16:00	4.4	90	11	5.6	0.00
14/07/2022 16:10	4.1	91	10	5.2	0.00
14/07/2022 16:20	3.8	96	9	5.0	0.00
14/07/2022 16:30	3.5	88	11	4.7	0.00
14/07/2022 16:40	3.8	80	11	5.2	0.00
14/07/2022 16:50	3.6	70	11	4.5	0.00
14/07/2022 17:00	2.6	65	10	3.6	0.00
14/07/2022 17:10	1.9	57	10	2.7	0.00
14/07/2022 17:20	1.7	52	8	2.1	0.00
14/07/2022 17:30	1.5	56	7	1.9	0.00
14/07/2022 17:40	0.8	89	13	1.2	0.00
14/07/2022 17:50	1.0	124	18	1.5	0.00
14/07/2022 18:00	0.6	102	8	1.2	0.00
14/07/2022 18:10	0.8	302	3	1.2	0.00
14/07/2022 18:20	0.6	221	37	1.0	0.00
14/07/2022 18:30	0.1	260	2	0.7	0.00
14/07/2022 18:40	0.7	246	14	1.0	0.00
14/07/2022 18:50	0.7	213	19	1.3	0.00
14/07/2022 19:00	0.6	256	20	1.1	0.00
14/07/2022 19:10					0.00
14/07/2022 19:20	0.5	294	6	1.0	0.00
14/07/2022 19:30	0.1	266	7	0.5	0.00
14/07/2022 19:40	0.2	272	9	0.7	0.00
14/07/2022 19:50					0.00
14/07/2022 20:00	0.6	43	17	0.8	0.00
14/07/2022 20:10	0.5	306	3	0.8	0.00
14/07/2022 20:20					0.00
14/07/2022 20:30	0.6	297	2	0.8	0.00
14/07/2022 20:40	0.4	287	5	0.8	0.00
14/07/2022 20:50	0.2	312	3	0.8	0.00
14/07/2022 21:00	0.7	332	20	0.8	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/07/2022 21:10	0.5	156	16	0.7	0.00
14/07/2022 21:20	0.5	291	8	0.8	0.00
14/07/2022 21:30	0.1	314	1	0.9	0.00
14/07/2022 21:40	0.5	205	20	1.0	0.00
14/07/2022 21:50	0.4	94	6	0.8	0.00
14/07/2022 22:00	0.9	275	13	1.2	0.00
14/07/2022 22:10	0.3	243	6	0.9	0.00
14/07/2022 22:20	0.2	69	5	1.1	0.00
14/07/2022 22:30	0.8	91	15	1.0	0.00
14/07/2022 22:40	0.9	314	28	1.5	0.00
14/07/2022 22:50	0.1	174	1	0.5	0.00
14/07/2022 23:00	0.1	47	1	0.8	0.00
14/07/2022 23:10	0.3	292	5	0.9	0.00
14/07/2022 23:20	0.4	50	33	0.9	0.00
14/07/2022 23:30	0.6	287	18	1.1	0.00
14/07/2022 23:40	0.7	301	3	1.4	0.00
14/07/2022 23:50	0.7	251	17	1.1	0.00
15/07/2022 00:00	0.5	284	12	0.9	0.00
15/07/2022 00:10	0.4	305	5	0.8	0.00
15/07/2022 00:20	0.2	298	2	0.7	0.00
15/07/2022 00:30	0.5	83	13	1.7	0.00
15/07/2022 00:40	0.6	104	14	1.2	0.00
15/07/2022 00:50	0.3	97	8	0.8	0.00
15/07/2022 01:00	0.6	293	6	0.9	0.00
15/07/2022 01:10	0.6	284	11	0.9	0.00
15/07/2022 01:20	0.5	148	42	1.2	0.00
15/07/2022 01:30	1.3	114	16	1.9	0.00
15/07/2022 01:40	0.4	84	11	1.0	0.00
15/07/2022 01:50	0.8	75	13	1.3	0.00
15/07/2022 02:00	0.1	201	13	0.4	0.00
15/07/2022 02:10	0.3	244	6	0.8	0.00
15/07/2022 02:20	0.8	259	12	1.2	0.00
15/07/2022 02:30	1.1	256	14	1.3	0.00
15/07/2022 02:40	1.0	264	11	1.5	0.00
15/07/2022 02:50	0.8	255	9	1.3	0.00
15/07/2022 03:00	0.4	231	9	0.9	0.00
15/07/2022 03:10	0.2	263	2	0.8	0.00
15/07/2022 03:20	0.9	295	5	1.1	0.00
15/07/2022 03:30	0.6	298	4	0.8	0.00
15/07/2022 03:40	0.7	301	5	1.0	0.00
15/07/2022 03:50	0.1	302	1	0.6	0.00
15/07/2022 04:00	0.2	314	2	0.6	0.00
15/07/2022 04:10	0.1	312	2	0.6	0.00
15/07/2022 04:20	0.3	95	9	0.8	0.00
15/07/2022 04:30	0.0	295	0	0.6	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/07/2022 04:40	0.3	304	4	0.8	0.00
15/07/2022 04:50	0.3	309	9	0.8	0.00
15/07/2022 05:00	0.2	184	3	0.7	0.00
15/07/2022 05:10	0.0	55	3	0.5	0.00
15/07/2022 05:20	0.4	324	14	0.8	0.00
15/07/2022 05:30	0.2	63	41	0.9	0.00
15/07/2022 05:40	0.2	78	24	0.8	0.00
15/07/2022 05:50	1.0	89	23	1.9	0.00
15/07/2022 06:00	0.8	90	23	1.9	0.00
15/07/2022 06:10	0.7	98	19	1.7	0.00
15/07/2022 06:20	1.0	102	23	1.6	0.00
15/07/2022 06:30	0.9	100	21	1.6	0.00
15/07/2022 06:40	0.2	290	29	0.8	0.00
15/07/2022 06:50	0.4	118	43	1.1	0.00
15/07/2022 07:00	1.0	102	25	1.7	0.00
15/07/2022 07:10	0.8	115	35	2.0	0.00
15/07/2022 07:20	2.1	95	12	2.8	0.00
15/07/2022 07:30	2.9	93	11	3.9	0.00
15/07/2022 07:40	2.8	92	11	3.6	0.00
15/07/2022 07:50	2.9	96	11	3.8	0.00
15/07/2022 08:00	3.3	100	9	4.4	0.00
15/07/2022 08:10	3.2	103	9	4.2	0.00
15/07/2022 08:20	2.9	104	10	4.0	0.00
15/07/2022 08:30	2.9	107	10	4.0	0.00
15/07/2022 08:40	3.2	104	10	4.0	0.00
15/07/2022 08:50	3.1	104	12	4.1	0.00
15/07/2022 09:00	3.6	108	10	5.0	0.00
15/07/2022 09:10	3.5	103	11	4.6	0.00
15/07/2022 09:20	3.5	103	9	4.8	0.00
15/07/2022 09:30	3.3	101	11	4.3	0.00
15/07/2022 09:40	3.5	108	11	4.4	0.00
15/07/2022 09:50	3.4	107	14	4.5	0.00
15/07/2022 10:00	3.3	107	12	4.6	0.00
15/07/2022 10:10	3.3	103	11	4.1	0.00
15/07/2022 10:20	3.3	100	10	4.2	0.00
15/07/2022 10:30	3.0	102	12	4.1	0.00
15/07/2022 10:40	2.7	90	12	3.5	0.00
15/07/2022 10:50	2.8	84	12	3.6	0.00
15/07/2022 11:00	2.6	95	13	3.4	0.00
15/07/2022 11:10	2.5	122	19	3.5	0.00
15/07/2022 11:20	2.6	108	16	3.6	0.00
15/07/2022 11:30	3.2	101	14	4.2	0.00
15/07/2022 11:40	3.4	105	15	4.4	0.00
15/07/2022 11:50	3.0	92	14	4.4	0.00
15/07/2022 12:00	3.1	91	14	4.4	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/07/2022 12:10	3.1	100	14	4.6	0.00
15/07/2022 12:20	2.9	118	17	4.7	0.00
15/07/2022 12:30	3.0	106	16	4.7	0.00
15/07/2022 12:40	2.8	118	18	4.2	0.00
15/07/2022 12:50	3.1	91	16	4.2	0.00
15/07/2022 13:00	3.3	89	13	4.4	0.00
15/07/2022 13:10	3.2	100	14	4.8	0.00
15/07/2022 13:20	3.2	88	13	4.1	0.00
15/07/2022 13:30	3.4	83	14	5.5	0.00
15/07/2022 13:40	3.4	71	16	4.6	0.00
15/07/2022 13:50	3.7	78	15	4.9	0.00
15/07/2022 14:00	4.3	77	12	5.5	0.00
15/07/2022 14:10	4.2	70	12	5.8	0.00
15/07/2022 14:20	4.4	73	11	5.9	0.00
15/07/2022 14:30	4.0	75	13	5.2	0.00
15/07/2022 14:40	4.1	63	11	5.6	0.00
15/07/2022 14:50	4.0	70	11	5.6	0.00
15/07/2022 15:00	4.2	75	12	5.6	0.00
15/07/2022 15:10	3.7	74	13	4.7	0.00
15/07/2022 15:20	3.3	71	13	4.5	0.00
15/07/2022 15:30	3.1	54	15	4.4	0.00
15/07/2022 15:40	3.3	47	14	4.7	0.00
15/07/2022 15:50	3.3	51	13	4.6	0.00
15/07/2022 16:00	3.5	53	14	4.8	0.00
15/07/2022 16:10	3.3	68	16	4.5	0.00
15/07/2022 16:20	3.0	65	14	4.1	0.00
15/07/2022 16:30	2.9	62	13	4.1	0.00
15/07/2022 16:40	2.6	61	12	4.1	0.00
15/07/2022 16:50	2.5	51	12	3.4	0.00
15/07/2022 17:00	2.0	34	18	3.4	0.00
15/07/2022 17:10	2.1	40	12	3.0	0.00
15/07/2022 17:20	2.1	36	13	3.0	0.00
15/07/2022 17:30	2.2	36	10	3.2	0.00
15/07/2022 17:40	1.7	36	10	2.3	0.00
15/07/2022 17:50	1.2	203	22	1.6	0.00
15/07/2022 18:00	1.4	322	11	1.9	0.00
15/07/2022 18:10	1.5	334	17	2.2	0.00
15/07/2022 18:20	1.4	4	25	2.0	0.00
15/07/2022 18:30	1.3	18	18	2.0	0.00
15/07/2022 18:40	1.4	3	25	2.0	0.00
15/07/2022 18:50	1.3	27	21	2.4	0.00
15/07/2022 19:00	1.2	189	29	2.0	0.00
15/07/2022 19:10	0.9	281	28	1.6	0.00
15/07/2022 19:20	1.1	275	22	1.6	0.00
15/07/2022 19:30	0.8	156	38	1.1	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/07/2022 19:40	0.9	289	21	1.4	0.00
15/07/2022 19:50	0.8	282	8	1.2	0.00
15/07/2022 20:00	0.6	320	29	1.2	0.00
15/07/2022 20:10	0.3	175	6	0.9	0.00
15/07/2022 20:20	0.4	311	13	0.9	0.00
15/07/2022 20:30	0.0	48	0	0.4	0.00
15/07/2022 20:40	0.5	257	37	0.9	0.00
15/07/2022 20:50	1.6	244	5	2.1	0.00
15/07/2022 21:00	1.2	265	11	1.6	0.00
15/07/2022 21:10	0.6	256	13	1.1	0.00
15/07/2022 21:20	0.4	272	10	0.9	0.00
15/07/2022 21:30	0.5	267	18	0.9	0.00
15/07/2022 21:40	0.5	315	5	1.0	0.00
15/07/2022 21:50	0.6	302	12	0.9	0.00
15/07/2022 22:00	0.4	303	15	1.4	0.00
15/07/2022 22:10	0.4	196	15	0.9	0.00
15/07/2022 22:20	0.8	311	9	1.0	0.00
15/07/2022 22:30	0.7	301	5	0.9	0.00
15/07/2022 22:40	0.7	295	4	1.1	0.00
15/07/2022 22:50	0.7	292	7	0.8	0.00
15/07/2022 23:00	0.8	302	11	1.2	0.00
15/07/2022 23:10	0.7	290	8	1.1	0.00
15/07/2022 23:20	0.1	298	17	0.8	0.00
15/07/2022 23:30	0.9	278	8	1.2	0.00
15/07/2022 23:40	0.6	270	10	1.1	0.00
15/07/2022 23:50	0.8	262	9	1.2	0.00
16/07/2022 00:00	0.4	171	34	0.9	0.00
16/07/2022 00:10	1.2	273	8	1.4	0.00
16/07/2022 00:20	1.1	273	7	1.3	0.00
16/07/2022 00:30	1.2	265	8	1.4	0.00
16/07/2022 00:40	0.7	252	11	1.1	0.00
16/07/2022 00:50	0.0	214	0	0.4	0.00
16/07/2022 01:00	0.6	276	5	0.9	0.00
16/07/2022 01:10	0.6	270	9	0.8	0.00
16/07/2022 01:20	0.1	299	2	0.4	0.00
16/07/2022 01:30					0.00
16/07/2022 01:40	0.4	308	5	0.9	0.00
16/07/2022 01:50	0.1	191	6	0.6	0.00
16/07/2022 02:00	0.5	307	13	0.9	0.00
16/07/2022 02:10	0.7	283	24	1.0	0.00
16/07/2022 02:20	0.4	287	17	0.9	0.00
16/07/2022 02:30	0.5	284	26	0.9	0.00
16/07/2022 02:40	0.7	211	80	1.5	0.00
16/07/2022 02:50	0.4	272	44	0.9	0.00
16/07/2022 03:00	0.4	225	20	0.9	0.00





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/07/2022 03:10	0.4	205	26	0.9	0.00
16/07/2022 03:20	0.1	269	25	0.5	0.00
16/07/2022 03:30					0.00
16/07/2022 03:40	0.7	335	17	1.1	0.00
16/07/2022 03:50	0.8	340	14	1.0	0.00
16/07/2022 04:00	0.6	326	11	1.0	0.00
16/07/2022 04:10	0.6	308	10	0.9	0.00
16/07/2022 04:20	0.2	308	33	0.8	0.00
16/07/2022 04:30	0.3	158	14	1.0	0.00
16/07/2022 04:40	0.2	208	20	0.7	0.00
16/07/2022 04:50	0.4	258	31	0.8	0.00
16/07/2022 05:00	0.1	18	35	0.8	0.00
16/07/2022 05:10	0.7	51	15	1.2	0.00
16/07/2022 05:20	1.0	114	46	1.9	0.00
16/07/2022 05:30	1.7	136	39	2.9	0.00
16/07/2022 05:40	1.6	147	68	2.7	0.00
16/07/2022 05:50	1.6	132	31	2.3	0.00
16/07/2022 06:00	1.3	186	69	2.6	0.00
16/07/2022 06:10	1.2	176	43	2.4	0.00
16/07/2022 06:20	2.5	129	39	4.4	0.00
16/07/2022 06:30	1.9	136	38	3.4	0.00
16/07/2022 06:40	2.0	142	42	3.1	0.00
16/07/2022 06:50	2.4	134	13	3.6	0.00
16/07/2022 07:00	1.8	125	11	2.7	0.00
16/07/2022 07:10	2.2	113	7	2.7	0.00
16/07/2022 07:20	2.5	110	9	3.3	0.00
16/07/2022 07:30	2.7	116	9	3.5	0.00
16/07/2022 07:40	2.9	106	10	3.7	0.00
16/07/2022 07:50	3.3	90	8	4.2	0.00
16/07/2022 08:00	3.1	95	8	3.8	0.00
16/07/2022 08:10	3.4	99	10	4.2	0.00
16/07/2022 08:20	3.0	98	9	4.0	0.00
16/07/2022 08:30	3.1	97	10	4.1	0.00
16/07/2022 08:40	3.4	90	11	4.5	0.00
16/07/2022 08:50	3.6	89	9	4.6	0.00
16/07/2022 09:00	3.6	86	9	4.7	0.00
16/07/2022 09:10	3.2	87	9	4.0	0.00
16/07/2022 09:20	3.5	86	9	4.5	0.00
16/07/2022 09:30	3.5	89	13	4.8	0.00
16/07/2022 09:40	3.2	86	13	4.3	0.00
16/07/2022 09:50	3.2	87	12	4.0	0.00
16/07/2022 10:00	3.0	83	13	3.9	0.00
16/07/2022 10:10	3.1	86	12	4.3	0.00
16/07/2022 10:20	2.9	88	11	3.8	0.00
16/07/2022 10:30	3.6	85	12	4.5	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/07/2022 10:40	3.3	97	15	4.6	0.00
16/07/2022 10:50	3.7	98	15	4.5	0.00
16/07/2022 11:00	4.0	95	12	5.8	0.00
16/07/2022 11:10	3.8	92	15	5.5	0.00
16/07/2022 11:20	4.8	91	12	6.3	0.00
16/07/2022 11:30	4.8	91	13	6.2	0.00
16/07/2022 11:40	4.7	89	11	6.4	0.00
16/07/2022 11:50	4.7	92	14	7.3	0.00
16/07/2022 12:00	4.6	86	13	6.7	0.00
16/07/2022 12:10	4.9	96	14	7.7	0.00
16/07/2022 12:20	4.3	90	14	5.8	0.00
16/07/2022 12:30	4.9	81	12	6.5	0.00
16/07/2022 12:40	4.7	78	12	6.8	0.00
16/07/2022 12:50	4.5	72	13	6.6	0.00
16/07/2022 13:00	4.8	77	12	6.5	0.00
16/07/2022 13:10	4.5	74	13	6.2	0.00
16/07/2022 13:20	5.1	74	12	6.7	0.00
16/07/2022 13:30	5.0	83	13	6.7	0.00
16/07/2022 13:40	5.0	79	12	7.1	0.00
16/07/2022 13:50	4.9	79	11	7.0	0.00
16/07/2022 14:00	5.0	80	10	6.8	0.00
16/07/2022 14:10	5.5	79	10	7.0	0.00
16/07/2022 14:20	5.0	80	13	6.6	0.00
16/07/2022 14:30	5.3	79	13	7.1	0.00
16/07/2022 14:40	5.0	77	13	6.8	0.00
16/07/2022 14:50	5.1	76	13	6.6	0.00
16/07/2022 15:00	5.0	81	10	6.9	0.00
16/07/2022 15:10	4.9	79	12	6.5	0.00
16/07/2022 15:20	4.7	76	10	6.6	0.00
16/07/2022 15:30	4.6	78	12	6.3	0.00
16/07/2022 15:40	4.6	84	11	6.3	0.00
16/07/2022 15:50	4.2	75	12	6.6	0.00
16/07/2022 16:00	4.2	68	11	6.0	0.00
16/07/2022 16:10	4.7	75	10	6.3	0.00
16/07/2022 16:20	3.9	71	11	5.4	0.00
16/07/2022 16:30	3.9	68	11	5.2	0.00
16/07/2022 16:40	3.7	68	13	5.2	0.00
16/07/2022 16:50	3.7	62	11	5.2	0.00
16/07/2022 17:00	4.1	61	9	5.9	0.00
16/07/2022 17:10	4.1	60	10	5.2	0.00
16/07/2022 17:20	3.2	54	9	4.3	0.00
16/07/2022 17:30	3.6	54	10	4.8	0.00
16/07/2022 17:40	3.5	51	9	5.0	0.00
16/07/2022 17:50	2.9	48	15	3.9	0.00
16/07/2022 18:00	3.3	42	10	4.6	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/07/2022 18:10	3.7	42	11	5.2	0.00
16/07/2022 18:20	2.9	30	14	4.1	0.00
16/07/2022 18:30	2.3	35	12	3.4	0.00
16/07/2022 18:40	2.3	28	14	3.2	0.00
16/07/2022 18:50	2.5	21	14	4.0	0.00
16/07/2022 19:00	2.3	20	15	3.3	0.00
16/07/2022 19:10	2.7	27	16	3.9	0.00
16/07/2022 19:20	2.5	31	16	3.9	0.00
16/07/2022 19:30	2.8	34	15	4.0	0.00
16/07/2022 19:40	2.4	37	15	3.6	0.00
16/07/2022 19:50	2.2	44	12	3.1	0.00
16/07/2022 20:00	2.3	40	13	3.4	0.00
16/07/2022 20:10	2.0	41	14	3.0	0.00
16/07/2022 20:20	1.7	50	13	2.3	0.00
16/07/2022 20:30	1.8	38	17	2.7	0.00
16/07/2022 20:40	1.2	76	20	2.1	0.00
16/07/2022 20:50	0.8	144	53	1.3	0.00
16/07/2022 21:00	0.9	119	62	1.6	0.00
16/07/2022 21:10	0.5	163	32	1.2	0.00
16/07/2022 21:20	0.6	194	38	1.0	0.00
16/07/2022 21:30	0.2	124	18	0.6	0.00
16/07/2022 21:40	0.2	271	14	0.7	0.00
16/07/2022 21:50	0.7	258	21	1.1	0.00
16/07/2022 22:00	0.6	301	10	1.5	0.00
16/07/2022 22:10	0.4	158	13	0.9	0.00
16/07/2022 22:20	0.8	222	22	1.4	0.00
16/07/2022 22:30	0.3	254	9	0.8	0.00
16/07/2022 22:40	0.7	281	38	1.4	0.00
16/07/2022 22:50	0.3	272	19	0.8	0.00
16/07/2022 23:00	0.4	251	14	1.0	0.00
16/07/2022 23:10	0.1	257	4	0.7	0.00
16/07/2022 23:20	0.7	286	16	1.2	0.00
16/07/2022 23:30	0.4	266	13	0.9	0.00
16/07/2022 23:40	0.1	298	6	0.7	0.00
16/07/2022 23:50	0.4	257	32	0.8	0.00
17/07/2022 00:00	1.0	229	12	1.4	0.00
17/07/2022 00:10	0.8	245	22	1.2	0.00
17/07/2022 00:20					0.00
17/07/2022 00:30	0.5	294	16	1.0	0.00
17/07/2022 00:40	0.5	266	20	0.9	0.00
17/07/2022 00:50	0.5	140	22	1.1	0.00
17/07/2022 01:00	0.5	245	13	0.9	0.00
17/07/2022 01:10	0.7	233	33	1.2	0.00
17/07/2022 01:20	0.9	249	24	1.4	0.00
17/07/2022 01:30	1.2	249	14	1.6	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/07/2022 01:40	0.9	244	14	1.4	0.00
17/07/2022 01:50	0.8	300	11	1.2	0.00
17/07/2022 02:00	0.5	290	13	1.2	0.00
17/07/2022 02:10	0.9	265	14	1.5	0.00
17/07/2022 02:20	0.5	250	21	1.2	0.00
17/07/2022 02:30	0.9	205	41	1.6	0.00
17/07/2022 02:40	0.8	267	15	1.2	0.00
17/07/2022 02:50	1.0	247	22	1.6	0.00
17/07/2022 03:00	0.4	268	6	1.1	0.00
17/07/2022 03:10	0.9	297	7	1.2	0.00
17/07/2022 03:20	0.7	294	6	1.3	0.00
17/07/2022 03:30	0.6	291	6	1.1	0.00
17/07/2022 03:40	0.8	291	9	1.2	0.00
17/07/2022 03:50	0.8	249	16	1.2	0.00
17/07/2022 04:00	0.8	262	16	1.3	0.00
17/07/2022 04:10	0.4	264	20	0.9	0.00
17/07/2022 04:20	0.4	293	25	0.8	0.00
17/07/2022 04:30	0.5	201	54	1.2	0.00
17/07/2022 04:40	0.5	280	10	0.9	0.00
17/07/2022 04:50	0.5	290	12	1.0	0.00
17/07/2022 05:00	0.1	131	5	0.7	0.00
17/07/2022 05:10	0.3	148	18	1.1	0.00
17/07/2022 05:20	0.7	138	21	1.2	0.00
17/07/2022 05:30	0.2	231	31	0.8	0.00
17/07/2022 05:40	0.2	61	27	0.6	0.00
17/07/2022 05:50	0.3	356	34	0.7	0.00
17/07/2022 06:00	0.2	48	18	0.8	0.00
17/07/2022 06:10	0.3	326	11	0.7	0.00
17/07/2022 06:20	0.5	83	14	1.2	0.00
17/07/2022 06:30	0.8	63	12	1.2	0.00
17/07/2022 06:40	1.0	50	12	1.2	0.00
17/07/2022 06:50	1.0	69	20	1.4	0.00
17/07/2022 07:00	0.2	104	12	0.8	0.00
17/07/2022 07:10	0.3	80	9	0.7	0.00
17/07/2022 07:20					0.00
17/07/2022 07:30	0.1	187	17	0.6	0.00
17/07/2022 07:40	0.2	97	7	0.8	0.00
17/07/2022 07:50	1.3	85	10	1.8	0.00
17/07/2022 08:00	1.3	93	13	1.6	0.00
17/07/2022 08:10	1.6	92	12	2.1	0.00
17/07/2022 08:20	1.6	89	12	2.1	0.00
17/07/2022 08:30	1.8	86	13	2.6	0.00
17/07/2022 08:40	1.9	86	12	2.4	0.00
17/07/2022 08:50	2.2	86	11	3.0	0.00
17/07/2022 09:00	2.2	92	13	2.9	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/07/2022 09:10	2.2	90	12	3.1	0.00
17/07/2022 09:20	2.3	101	15	3.1	0.00
17/07/2022 09:30	2.4	116	13	3.3	0.00
17/07/2022 09:40	2.4	108	12	3.2	0.00
17/07/2022 09:50	2.4	97	15	3.6	0.00
17/07/2022 10:00	2.7	82	12	3.3	0.00
17/07/2022 10:10	2.9	91	11	3.8	0.00
17/07/2022 10:20	2.7	96	17	3.6	0.00
17/07/2022 10:30	3.1	93	12	4.1	0.00
17/07/2022 10:40	3.5	85	10	4.7	0.00
17/07/2022 10:50	3.0	95	13	4.1	0.00
17/07/2022 11:00	2.6	109	21	3.9	0.00
17/07/2022 11:10	2.8	110	15	3.7	0.00
17/07/2022 11:20	2.4	125	46	3.7	0.00
17/07/2022 11:30	1.4	161	40	2.3	0.00
17/07/2022 11:40	1.4	217	57	2.9	0.00
17/07/2022 11:50	1.2	148	59	2.3	0.00
17/07/2022 12:00	1.8	326	63	2.7	0.00
17/07/2022 12:10	2.2	295	42	3.6	0.00
17/07/2022 12:20	2.0	293	26	2.9	0.00
17/07/2022 12:30	1.8	250	44	3.1	0.00
17/07/2022 12:40	1.8	197	44	3.4	0.00
17/07/2022 12:50	1.9	150	41	3.4	0.00
17/07/2022 13:00	2.3	286	17	3.2	0.00
17/07/2022 13:10	2.1	305	24	3.1	0.00
17/07/2022 13:20	2.0	335	46	3.5	0.00
17/07/2022 13:30	1.7	179	67	3.0	0.00
17/07/2022 13:40	1.4	216	69	3.5	0.00
17/07/2022 13:50	2.2	167	40	3.9	0.00
17/07/2022 14:00	1.7	205	40	2.8	0.00
17/07/2022 14:10	1.7	210	62	2.6	0.00
17/07/2022 14:20	1.7	332	34	3.2	0.00
17/07/2022 14:30	1.4	147	57	2.3	0.00
17/07/2022 14:40	1.8	323	43	3.2	0.00
17/07/2022 14:50	1.6	337	58	3.1	0.00
17/07/2022 15:00	2.2	299	25	3.6	0.00
17/07/2022 15:10	3.1	281	14	4.6	0.00
17/07/2022 15:20	2.4	291	37	4.1	0.00
17/07/2022 15:30	2.1	18	28	3.6	0.00
17/07/2022 15:40	2.2	177	23	3.9	0.00
17/07/2022 15:50	2.0	352	27	3.2	0.00
17/07/2022 16:00	1.9	353	20	2.8	0.00
17/07/2022 16:10	2.0	181	18	2.9	0.00
17/07/2022 16:20	1.7	345	21	2.8	0.00
17/07/2022 16:30	1.8	349	22	2.7	0.00



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/07/2022 16:40	1.3	348	24	2.3	0.00
17/07/2022 16:50	1.5	20	25	2.4	0.00
17/07/2022 17:00	1.5	192	24	2.3	0.00
17/07/2022 17:10	1.8	32	18	2.7	0.00
17/07/2022 17:20	1.2	24	26	2.2	0.00
17/07/2022 17:30	1.0	353	22	2.0	0.00
17/07/2022 17:40	1.3	353	23	2.0	0.00
17/07/2022 17:50	1.5	1	19	2.3	0.00
17/07/2022 18:00	1.9	15	17	3.3	0.00
17/07/2022 18:10	1.8	33	13	2.5	0.00
17/07/2022 18:20	1.6	36	15	2.6	0.00
17/07/2022 18:30	0.6	43	30	1.2	0.00
17/07/2022 18:40	0.2	157	12	0.8	0.00
17/07/2022 18:50	0.7	306	26	1.5	0.00
17/07/2022 19:00	1.6	316	18	2.2	0.00
17/07/2022 19:10	2.0	333	20	3.2	0.00
17/07/2022 19:20	1.5	346	19	2.1	0.00
17/07/2022 19:30	1.1	33	25	2.0	0.00
17/07/2022 19:40	1.0	26	21	1.6	0.00
17/07/2022 19:50	1.5	327	23	2.4	0.00
17/07/2022 20:00	1.1	336	42	1.9	0.00
17/07/2022 20:10	1.1	318	29	1.7	0.00
17/07/2022 20:20	0.4	218	22	1.0	0.00
17/07/2022 20:30	0.7	259	25	1.2	0.00
17/07/2022 20:40	0.3	179	43	0.8	0.00
17/07/2022 20:50	1.0	211	21	1.7	0.00
17/07/2022 21:00	1.9	243	8	2.4	0.00
17/07/2022 21:10	1.3	237	12	1.8	0.00
17/07/2022 21:20	0.6	246	6	1.1	0.00
17/07/2022 21:30					0.00
17/07/2022 21:40	0.5	278	11	1.1	0.00
17/07/2022 21:50	1.0	256	13	1.5	0.00
17/07/2022 22:00	0.1	243	5	0.6	0.00
17/07/2022 22:10	0.2	123	13	0.9	0.00
17/07/2022 22:20					0.00
17/07/2022 22:30	0.2	29	9	0.6	0.00
17/07/2022 22:40	0.0	291	0	0.6	0.00
17/07/2022 22:50	0.9	279	9	1.2	0.00
17/07/2022 23:00	1.2	250	9	1.5	0.00
17/07/2022 23:10	1.0	239	9	1.4	0.00
17/07/2022 23:20	0.7	238	13	1.2	0.00
17/07/2022 23:30	0.1	266	8	0.7	0.00
17/07/2022 23:40	0.2	158	4	0.8	0.00
17/07/2022 23:50	0.6	312	19	0.9	0.00
18/07/2022 00:00	0.1	298	1	0.6	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/07/2022 00:10	0.2	355	10	0.8	0.00
18/07/2022 00:20	0.5	18	50	0.9	0.00
18/07/2022 00:30	0.2	317	10	0.6	0.00
18/07/2022 00:40	1.2	295	8	1.4	0.00
18/07/2022 00:50	1.4	267	11	1.7	0.00
18/07/2022 01:00	1.5	265	10	2.0	0.00
18/07/2022 01:10	1.1	275	23	1.8	0.00
18/07/2022 01:20	0.9	149	18	1.2	0.00
18/07/2022 01:30	1.1	230	14	1.5	0.00
18/07/2022 01:40	1.2	257	15	1.7	0.00
18/07/2022 01:50	0.8	246	25	1.2	0.00
18/07/2022 02:00	0.8	234	12	1.6	0.00
18/07/2022 02:10	0.3	281	23	1.2	0.00
18/07/2022 02:20	1.5	250	9	2.2	0.00
18/07/2022 02:30	2.0	256	10	2.4	0.00
18/07/2022 02:40	0.9	131	40	1.6	0.00
18/07/2022 02:50	0.0	306	1	0.4	0.00
18/07/2022 03:00	1.0	318	16	1.4	0.00
18/07/2022 03:10	0.8	172	22	1.2	0.00
18/07/2022 03:20	1.1	281	8	1.4	0.00
18/07/2022 03:30	0.5	249	6	1.0	0.00
18/07/2022 03:40	0.3	182	5	0.8	0.00
18/07/2022 03:50	0.8	279	10	1.2	0.00
18/07/2022 04:00	1.7	262	7	2.2	0.00
18/07/2022 04:10	0.9	269	11	1.2	0.00
18/07/2022 04:20	0.7	273	10	1.1	0.00
18/07/2022 04:30	0.5	284	8	0.9	0.00
18/07/2022 04:40	0.5	301	5	0.9	0.00
18/07/2022 04:50	0.9	300	3	1.2	0.00
18/07/2022 05:00	0.9	292	5	1.1	0.00
18/07/2022 05:10	0.4	313	20	0.8	0.00
18/07/2022 05:20	0.7	324	14	1.0	0.00
18/07/2022 05:30	0.9	247	19	1.3	0.00
18/07/2022 05:40	0.8	230	4	1.1	0.00
18/07/2022 05:50					0.00
18/07/2022 06:00	0.6	39	3	1.2	0.00
18/07/2022 06:10	1.3	42	6	1.5	0.00
18/07/2022 06:20	1.0	20	9	1.2	0.00
18/07/2022 06:30	0.9	20	10	1.2	0.00
18/07/2022 06:40	0.9	28	14	1.2	0.00
18/07/2022 06:50	0.9	47	15	1.4	0.00
18/07/2022 07:00	1.1	40	6	1.4	0.00
18/07/2022 07:10	0.7	35	8	1.0	0.00
18/07/2022 07:20	0.8	43	10	1.1	0.00
18/07/2022 07:30	1.3	40	8	1.6	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/07/2022 07:40	1.6	50	7	1.8	0.00
18/07/2022 07:50	1.4	51	7	1.6	0.00
18/07/2022 08:00	1.2	49	9	1.6	0.00
18/07/2022 08:10	1.2	60	11	1.6	0.00
18/07/2022 08:20	1.1	74	18	1.4	0.00
18/07/2022 08:30	0.9	91	17	1.3	0.00
18/07/2022 08:40	1.0	97	16	1.4	0.00
18/07/2022 08:50	0.7	109	24	1.2	0.00
18/07/2022 09:00	0.9	103	20	1.5	0.00
18/07/2022 09:10	1.0	86	24	1.6	0.00
18/07/2022 09:20	0.6	213	51	1.1	0.00
18/07/2022 09:30	0.7	80	35	1.1	0.00
18/07/2022 09:40	0.5	109	46	0.9	0.00
18/07/2022 09:50	0.7	154	47	1.2	0.00
18/07/2022 10:00	1.1	229	17	1.6	0.00
18/07/2022 10:10	1.1	219	49	1.7	0.00
18/07/2022 10:20	1.6	293	14	2.3	0.00
18/07/2022 10:30	1.5	295	17	2.0	0.00
18/07/2022 10:40	2.1	298	12	3.0	0.00
18/07/2022 10:50	2.2	298	13	2.8	0.00
18/07/2022 11:00	1.9	306	21	2.7	0.00
18/07/2022 11:10	1.8	323	32	3.2	0.00
18/07/2022 11:20	2.4	304	10	3.2	0.00
18/07/2022 11:30	2.0	295	22	2.8	0.00
18/07/2022 11:40	2.0	305	14	2.9	0.00
18/07/2022 11:50	2.1	294	15	2.9	0.00
18/07/2022 12:00	2.2	301	19	3.2	0.00
18/07/2022 12:10	2.5	310	17	3.4	0.00
18/07/2022 12:20	2.8	303	15	4.0	0.00
18/07/2022 12:30	2.9	282	15	4.0	0.00
18/07/2022 12:40	2.9	282	16	4.0	0.00
18/07/2022 12:50	3.0	307	15	4.3	0.00
18/07/2022 13:00	2.8	303	14	3.9	0.00
18/07/2022 13:10	2.9	311	14	4.0	0.00
18/07/2022 13:20	2.6	313	13	3.6	0.00
18/07/2022 13:30	2.6	315	14	3.6	0.00
18/07/2022 13:40	2.8	318	15	3.8	0.00
18/07/2022 13:50	3.1	312	13	4.4	0.00
18/07/2022 14:00	3.4	306	14	4.3	0.00
18/07/2022 14:10	3.7	298	12	4.8	0.00
18/07/2022 14:20	3.9	301	11	5.3	0.00
18/07/2022 14:30	4.6	297	9	5.6	0.00
18/07/2022 14:40	3.8	299	14	5.3	0.00
18/07/2022 14:50	4.1	295	11	5.3	0.00
18/07/2022 15:00	3.8	293	14	4.9	0.00





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/07/2022 15:10	3.9	295	12	5.3	0.00
18/07/2022 15:20	3.9	290	14	5.2	0.00
18/07/2022 15:30	3.9	284	15	5.2	0.00
18/07/2022 15:40	4.0	293	13	5.1	0.00
18/07/2022 15:50	4.1	297	11	5.2	0.00
18/07/2022 16:00	4.3	297	11	5.8	0.00
18/07/2022 16:10	3.8	297	13	5.5	0.00
18/07/2022 16:20	4.3	295	13	5.7	0.00
18/07/2022 16:30	4.0	292	11	5.2	0.00
18/07/2022 16:40	4.2	299	10	5.2	0.00
18/07/2022 16:50	3.8	295	14	5.0	0.00
18/07/2022 17:00	3.8	294	13	4.9	0.00
18/07/2022 17:10	3.7	290	14	4.9	0.00
18/07/2022 17:20	3.5	297	10	4.8	0.00
18/07/2022 17:30	3.9	295	10	4.8	0.00
18/07/2022 17:40	3.7	294	11	5.0	0.00
18/07/2022 17:50	3.7	298	10	4.8	0.00
18/07/2022 18:00	3.0	299	15	4.0	0.00
18/07/2022 18:10	2.5	293	21	3.6	0.00
18/07/2022 18:20	2.3	296	21	3.9	0.00
18/07/2022 18:30	2.4	317	18	3.6	0.00
18/07/2022 18:40	1.8	317	22	3.2	0.00
18/07/2022 18:50	1.6	313	22	2.8	0.00
18/07/2022 19:00	1.5	314	30	2.8	0.00
18/07/2022 19:10	1.8	339	20	2.9	0.00
18/07/2022 19:20	2.5	316	19	4.0	0.00
18/07/2022 19:30	2.8	316	14	4.0	0.00
18/07/2022 19:40	2.8	307	13	4.0	0.00
18/07/2022 19:50	2.3	314	18	3.6	0.00
18/07/2022 20:00	2.7	314	14	4.0	0.00
18/07/2022 20:10	2.4	319	18	3.8	0.00
18/07/2022 20:20	2.4	319	18	3.6	0.00
18/07/2022 20:30	3.0	307	13	4.4	0.00
18/07/2022 20:40	2.6	314	16	4.4	0.00
18/07/2022 20:50	2.6	300	15	3.5	0.00
18/07/2022 21:00	2.3	288	16	3.6	0.00
18/07/2022 21:10	2.2	308	17	3.1	0.00
18/07/2022 21:20	2.5	314	16	3.7	0.00
18/07/2022 21:30	2.1	321	16	3.6	0.00
18/07/2022 21:40	2.5	303	14	3.5	0.00
18/07/2022 21:50	2.8	294	13	4.0	0.00
18/07/2022 22:00	3.0	289	12	4.0	0.00
18/07/2022 22:10	3.2	292	14	4.4	0.00
18/07/2022 22:20	3.1	290	12	4.0	0.00
18/07/2022 22:30	3.1	287	15	4.4	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/07/2022 22:40	2.7	287	15	4.1	0.00
18/07/2022 22:50	2.5	290	14	3.6	0.00
18/07/2022 23:00	2.7	287	15	3.6	0.00
18/07/2022 23:10	2.5	291	16	3.6	0.00
18/07/2022 23:20	2.4	285	16	3.2	0.00
18/07/2022 23:30	2.5	284	16	3.7	0.00
18/07/2022 23:40	2.4	287	15	3.4	0.00
18/07/2022 23:50	2.5	290	14	3.4	0.00
19/07/2022 00:00	2.7	298	11	3.6	0.00
19/07/2022 00:10	2.9	302	11	3.7	0.00
19/07/2022 00:20	2.8	299	12	3.9	0.00
19/07/2022 00:30	2.6	295	10	3.4	0.00
19/07/2022 00:40	2.6	299	10	3.6	0.00
19/07/2022 00:50	2.8	293	9	4.0	0.00
19/07/2022 01:00	2.8	293	11	3.8	0.00
19/07/2022 01:10	2.9	294	12	4.0	0.00
19/07/2022 01:20	2.8	294	12	3.7	0.00
19/07/2022 01:30	2.4	293	12	3.2	0.00
19/07/2022 01:40	2.1	288	15	3.1	0.00
19/07/2022 01:50	1.8	289	13	2.8	0.00
19/07/2022 02:00	1.9	252	11	2.8	0.00
19/07/2022 02:10	0.6	252	22	1.6	0.00
19/07/2022 02:20	0.8	167	20	1.1	0.00
19/07/2022 02:30	0.4	161	16	0.9	0.00
19/07/2022 02:40	0.3	289	2	0.7	0.00
19/07/2022 02:50	0.1	288	3	0.8	0.00
19/07/2022 03:00	0.4	83	38	0.9	0.00
19/07/2022 03:10	1.1	81	18	2.0	0.00
19/07/2022 03:20	1.7	85	19	2.5	0.00
19/07/2022 03:30	2.0	82	19	2.9	0.00
19/07/2022 03:40	2.6	95	13	4.0	0.00
19/07/2022 03:50	2.3	92	13	3.3	0.00
19/07/2022 04:00	2.3	94	11	3.5	0.00
19/07/2022 04:10	2.4	99	11	3.4	0.00
19/07/2022 04:20	1.9	114	13	2.8	0.00
19/07/2022 04:30	1.7	103	14	2.3	0.00
19/07/2022 04:40	1.5	119	12	2.4	0.00
19/07/2022 04:50	1.2	125	18	1.6	0.00
19/07/2022 05:00	1.4	107	16	2.1	0.00
19/07/2022 05:10	0.6	124	18	1.2	0.00
19/07/2022 05:20	0.9	107	39	2.3	0.00
19/07/2022 05:30	1.5	118	22	2.5	0.00
19/07/2022 05:40	2.3	100	13	3.2	0.00
19/07/2022 05:50	1.6	102	19	2.4	0.00
19/07/2022 06:00	1.4	103	26	2.3	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/07/2022 06:10	0.9	155	54	1.4	0.00
19/07/2022 06:20	0.9	215	46	1.8	0.00
19/07/2022 06:30	1.5	121	22	2.4	0.00
19/07/2022 06:40	2.0	116	22	3.2	0.00
19/07/2022 06:50	2.0	122	14	2.9	0.00
19/07/2022 07:00	1.2	128	17	2.0	0.00
19/07/2022 07:10	0.8	129	25	1.7	0.00
19/07/2022 07:20	0.6	276	45	1.2	0.00
19/07/2022 07:30	1.6	98	21	2.2	0.00
19/07/2022 07:40	1.8	98	15	2.8	0.00
19/07/2022 07:50	2.0	114	17	3.2	0.00
19/07/2022 08:00	2.9	113	14	4.4	0.00
19/07/2022 08:10	4.5	108	10	6.0	0.00
19/07/2022 08:20	5.1	105	9	6.5	0.00
19/07/2022 08:30	4.9	98	11	6.2	0.00
19/07/2022 08:40	5.5	103	10	7.2	0.00
19/07/2022 08:50	5.5	104	10	7.0	0.00
19/07/2022 09:00	5.0	107	10	6.4	0.00
19/07/2022 09:10	4.8	104	10	6.0	0.00
19/07/2022 09:20	4.3	97	13	6.0	0.00
19/07/2022 09:30	4.5	88	12	5.9	0.00
19/07/2022 09:40	4.2	91	12	5.7	0.00
19/07/2022 09:50	4.0	96	14	5.2	0.00
19/07/2022 10:00	3.7	97	12	4.9	0.00
19/07/2022 10:10	4.5	99	12	5.8	0.00
19/07/2022 10:20	4.4	103	10	5.6	0.00
19/07/2022 10:30	4.0	95	15	5.4	0.00
19/07/2022 10:40	4.7	85	10	6.0	0.00
19/07/2022 10:50	4.5	88	11	6.1	0.00
19/07/2022 11:00	4.4	99	14	6.3	0.00
19/07/2022 11:10	4.9	81	12	6.4	0.00
19/07/2022 11:20	5.2	81	11	6.6	0.00
19/07/2022 11:30	4.8	92	12	6.4	0.00
19/07/2022 11:40	4.5	81	13	6.2	0.00
19/07/2022 11:50	4.5	78	13	6.1	0.00
19/07/2022 12:00	4.2	69	13	5.8	0.00
19/07/2022 12:10	4.0	76	12	5.6	0.00
19/07/2022 12:20	3.8	71	13	5.1	0.00
19/07/2022 12:30	3.9	75	11	5.1	0.00
19/07/2022 12:40	3.8	78	13	5.0	0.00
19/07/2022 12:50	4.1	80	13	5.6	0.00
19/07/2022 13:00	3.8	87	14	5.2	0.00
19/07/2022 13:10	3.8	83	10	5.1	0.00
19/07/2022 13:20	3.7	84	15	4.8	0.00
19/07/2022 13:30	4.1	76	13	5.6	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/07/2022 13:40	3.9	68	11	5.2	0.00
19/07/2022 13:50	3.9	64	14	5.4	0.00
19/07/2022 14:00	4.0	66	11	5.4	0.00
19/07/2022 14:10	4.1	66	13	6.2	0.00
19/07/2022 14:20	4.1	68	15	5.5	0.00
19/07/2022 14:30	4.3	68	15	5.7	0.00
19/07/2022 14:40	4.3	64	15	6.2	0.00
19/07/2022 14:50	5.0	63	13	7.0	0.00
19/07/2022 15:00	4.8	60	12	6.8	0.00
19/07/2022 15:10	5.1	63	12	6.8	0.00
19/07/2022 15:20	4.9	60	11	7.0	0.00
19/07/2022 15:30	4.8	60	11	6.7	0.00
19/07/2022 15:40	5.1	66	10	6.5	0.00
19/07/2022 15:50	4.4	65	11	6.1	0.00
19/07/2022 16:00	4.5	64	11	6.3	0.00
19/07/2022 16:10	4.1	51	14	5.1	0.00
19/07/2022 16:20	3.8	44	13	4.8	0.00
19/07/2022 16:30	3.6	35	15	5.2	0.00
19/07/2022 16:40	3.8	35	14	5.3	0.00
19/07/2022 16:50	4.0	39	12	5.2	0.00
19/07/2022 17:00	4.1	41	11	5.2	0.00
19/07/2022 17:10	3.9	43	11	5.0	0.00
19/07/2022 17:20	4.0	40	12	5.2	0.00
19/07/2022 17:30	3.5	40	12	4.8	0.00
19/07/2022 17:40	3.2	40	12	4.4	0.00
19/07/2022 17:50	2.7	38	13	4.1	0.00
19/07/2022 18:00	2.7	42	12	3.7	0.00
19/07/2022 18:10	2.9	39	11	4.2	0.00
19/07/2022 18:20	2.4	25	14	3.8	0.00
19/07/2022 18:30	2.3	19	18	3.5	0.00
19/07/2022 18:40	2.3	17	20	3.6	0.00
19/07/2022 18:50	2.4	18	16	3.5	0.00
19/07/2022 19:00	2.8	17	19	4.2	0.00
19/07/2022 19:10	2.3	26	17	3.5	0.00
19/07/2022 19:20	2.3	27	14	3.5	0.00
19/07/2022 19:30	2.1	30	13	3.1	0.00
19/07/2022 19:40	2.1	35	14	3.1	0.00
19/07/2022 19:50	1.9	29	15	2.8	0.00
19/07/2022 20:00	1.8	35	18	2.8	0.00
19/07/2022 20:10	1.4	44	16	2.4	0.00
19/07/2022 20:20	1.2	49	16	1.7	0.00
19/07/2022 20:30	1.2	53	23	2.3	0.00
19/07/2022 20:40	1.3	33	38	2.5	0.00
19/07/2022 20:50	1.8	22	20	2.8	0.00
19/07/2022 21:00	1.7	12	19	3.2	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/07/2022 21:10	1.9	14	18	3.2	0.00
19/07/2022 21:20	1.5	17	20	2.7	0.00
19/07/2022 21:30	1.5	21	15	2.4	0.00
19/07/2022 21:40	1.7	25	15	2.4	0.00
19/07/2022 21:50	1.6	29	22	2.4	0.00
19/07/2022 22:00	0.7	328	24	1.7	0.00
19/07/2022 22:10	0.6	351	50	1.2	0.00
19/07/2022 22:20	0.2	189	15	0.8	0.00
19/07/2022 22:30	0.7	222	33	1.4	0.00
19/07/2022 22:40	0.7	201	12	1.5	0.00
19/07/2022 22:50	1.3	213	46	2.0	0.00
19/07/2022 23:00	1.6	228	16	2.3	0.00
19/07/2022 23:10	1.1	143	29	1.8	0.00
19/07/2022 23:20	0.9	61	9	1.2	0.00
19/07/2022 23:30	0.1	34	14	0.8	0.00
19/07/2022 23:40	0.9	305	4	1.5	0.00
19/07/2022 23:50	0.3	291	4	1.0	0.00
20/07/2022 00:00	0.2	284	3	0.6	0.00
20/07/2022 00:10	0.6	313	17	1.2	0.00
20/07/2022 00:20	1.1	292	8	1.6	0.00
20/07/2022 00:30	0.8	270	11	1.3	0.00
20/07/2022 00:40	0.7	173	31	1.1	0.00
20/07/2022 00:50	1.0	298	6	1.4	0.00
20/07/2022 01:00	0.5	316	13	1.1	0.00
20/07/2022 01:10	0.5	173	8	1.0	0.00
20/07/2022 01:20	0.5	274	12	0.8	0.00
20/07/2022 01:30	0.7	182	11	1.1	0.00
20/07/2022 01:40	0.3	44	18	0.8	0.00
20/07/2022 01:50	1.0	186	15	1.2	0.00
20/07/2022 02:00	0.9	20	17	1.2	0.00
20/07/2022 02:10	0.8	34	17	1.1	0.00
20/07/2022 02:20	0.2	172	10	0.6	0.00
20/07/2022 02:30	0.1	71	2	0.6	0.00
20/07/2022 02:40	0.1	292	2	0.8	0.00
20/07/2022 02:50	0.9	302	6	1.2	0.00
20/07/2022 03:00	0.3	289	4	1.0	0.00
20/07/2022 03:10	0.4	264	17	0.9	0.00
20/07/2022 03:20	0.3	252	5	0.7	0.00
20/07/2022 03:30	0.5	263	20	1.0	0.00
20/07/2022 03:40	0.3	252	13	0.7	0.00
20/07/2022 03:50	0.3	240	12	0.8	0.00
20/07/2022 04:00	0.5	268	15	0.9	0.00
20/07/2022 04:10	0.4	262	30	1.1	0.00
20/07/2022 04:20	0.3	237	24	1.1	0.00
20/07/2022 04:30	0.7	300	20	1.2	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/07/2022 04:40	0.9	56	28	1.3	0.00
20/07/2022 04:50	0.2	41	9	0.9	0.00
20/07/2022 05:00	1.0	79	18	1.6	0.00
20/07/2022 05:10	1.5	88	14	2.0	0.00
20/07/2022 05:20	2.3	97	10	3.3	0.00
20/07/2022 05:30	1.4	118	15	2.1	0.00
20/07/2022 05:40	0.8	120	28	1.4	0.00
20/07/2022 05:50	1.3	111	11	1.9	0.00
20/07/2022 06:00	1.1	111	11	1.5	0.00
20/07/2022 06:10	1.2	112	16	1.7	0.00
20/07/2022 06:20	1.4	98	22	2.4	0.00
20/07/2022 06:30	2.9	90	11	4.0	0.00
20/07/2022 06:40	2.3	81	11	3.0	0.00
20/07/2022 06:50	1.8	90	11	2.8	0.00
20/07/2022 07:00	2.0	87	10	2.7	0.00
20/07/2022 07:10	2.2	94	11	3.1	0.00
20/07/2022 07:20	2.4	94	10	3.5	0.00
20/07/2022 07:30	2.8	85	8	3.6	0.00
20/07/2022 07:40	3.1	92	10	4.0	0.00
20/07/2022 07:50	3.0	88	8	4.0	0.00
20/07/2022 08:00	3.1	89	9	3.9	0.00
20/07/2022 08:10	3.3	93	9	4.3	0.00
20/07/2022 08:20	3.5	91	11	4.5	0.00
20/07/2022 08:30	3.7	90	10	4.6	0.00
20/07/2022 08:40	3.6	94	10	4.6	0.00
20/07/2022 08:50	3.7	93	9	4.8	0.00
20/07/2022 09:00	3.7	93	9	4.5	0.00
20/07/2022 09:10	3.6	90	11	4.7	0.00
20/07/2022 09:20	3.7	88	12	4.7	0.00
20/07/2022 09:30	4.0	89	12	5.5	0.00
20/07/2022 09:40	4.3	89	10	5.4	0.00
20/07/2022 09:50	4.9	88	10	6.2	0.00
20/07/2022 10:00	5.1	97	12	6.5	0.00
20/07/2022 10:10	4.9	93	13	6.3	0.00
20/07/2022 10:20	5.2	90	11	6.8	0.00
20/07/2022 10:30	5.1	87	11	7.2	0.00
20/07/2022 10:40	5.0	87	11	6.8	0.00
20/07/2022 10:50	4.8	80	11	6.3	0.00
20/07/2022 11:00	5.4	90	10	6.9	0.00
20/07/2022 11:10	4.8	85	11	6.2	0.00
20/07/2022 11:20	4.8	82	12	6.4	0.00
20/07/2022 11:30	4.8	87	11	6.4	0.00
20/07/2022 11:40	4.9	84	12	6.4	0.00
20/07/2022 11:50	5.4	88	11	7.0	0.00
20/07/2022 12:00	5.5	84	11	7.5	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/07/2022 12:10	5.3	83	12	7.2	0.00
20/07/2022 12:20	5.5	79	12	7.2	0.00
20/07/2022 12:30	5.5	84	13	7.7	0.00
20/07/2022 12:40	5.6	83	12	7.3	0.00
20/07/2022 12:50	5.1	80	13	7.1	0.00
20/07/2022 13:00	5.1	83	12	7.2	0.00
20/07/2022 13:10	5.0	76	12	6.5	0.00
20/07/2022 13:20	5.2	72	12	7.2	0.00
20/07/2022 13:30	5.5	84	11	7.3	0.00
20/07/2022 13:40	5.5	77	13	7.5	0.00
20/07/2022 13:50	5.4	73	12	7.0	0.00
20/07/2022 14:00	5.2	75	11	6.8	0.00
20/07/2022 14:10	4.9	67	12	7.4	0.00
20/07/2022 14:20	5.5	69	12	7.5	0.00
20/07/2022 14:30	5.5	69	12	7.8	0.00
20/07/2022 14:40	5.4	64	12	7.3	0.00
20/07/2022 14:50	5.5	70	12	7.3	0.00
20/07/2022 15:00	5.5	70	12	8.2	0.00
20/07/2022 15:10	5.4	66	13	7.2	0.00
20/07/2022 15:20	5.3	64	12	7.3	0.00
20/07/2022 15:30	5.5	71	11	7.5	0.00
20/07/2022 15:40	5.3	75	11	7.0	0.00
20/07/2022 15:50	5.0	77	11	6.7	0.00
20/07/2022 16:00	5.2	79	11	6.5	0.00
20/07/2022 16:10	4.6	78	12	6.1	0.00
20/07/2022 16:20	5.0	83	11	6.8	0.00
20/07/2022 16:30	4.0	71	11	5.7	0.00
20/07/2022 16:40	3.7	77	11	5.2	0.00
20/07/2022 16:50	3.5	84	12	5.0	0.00
20/07/2022 17:00	3.4	75	11	4.6	0.00
20/07/2022 17:10	3.2	73	11	4.4	0.00
20/07/2022 17:20	3.6	79	10	5.1	0.00
20/07/2022 17:30	3.9	79	11	5.1	0.00
20/07/2022 17:40	3.9	81	11	4.9	0.00
20/07/2022 17:50	3.3	82	10	4.6	0.00
20/07/2022 18:00	3.3	75	10	4.7	0.00
20/07/2022 18:10	3.6	78	8	4.7	0.00
20/07/2022 18:20	2.8	77	9	3.8	0.00
20/07/2022 18:30	2.0	66	9	2.8	0.00
20/07/2022 18:40	1.7	69	10	2.4	0.00
20/07/2022 18:50	1.5	67	8	1.9	0.00
20/07/2022 19:00	1.5	65	7	1.9	0.00
20/07/2022 19:10	1.4	69	8	2.0	0.00
20/07/2022 19:20	1.5	54	8	1.9	0.00
20/07/2022 19:30	1.5	51	7	1.9	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/07/2022 19:40	1.3	54	7	1.7	0.00
20/07/2022 19:50	1.4	52	6	1.6	0.00
20/07/2022 20:00	1.3	56	5	1.6	0.00
20/07/2022 20:10	0.7	65	7	1.0	0.00
20/07/2022 20:20	0.3	147	8	0.8	0.00
20/07/2022 20:30	1.1	224	13	1.6	0.00
20/07/2022 20:40	0.8	211	15	1.2	0.00
20/07/2022 20:50	0.4	208	5	0.8	0.00
20/07/2022 21:00	0.3	279	28	1.1	0.00
20/07/2022 21:10	0.4	209	29	1.3	0.00
20/07/2022 21:20	0.3	290	4	1.0	0.00
20/07/2022 21:30	0.8	185	50	1.3	0.00
20/07/2022 21:40	0.8	303	33	1.2	0.00
20/07/2022 21:50	0.5	271	24	1.1	0.00
20/07/2022 22:00	0.7	259	27	1.1	0.00
20/07/2022 22:10	0.7	316	13	1.1	0.00
20/07/2022 22:20	0.8	309	32	1.6	0.00
20/07/2022 22:30	0.8	329	48	1.6	0.00
20/07/2022 22:40	0.6	321	40	1.0	0.00
20/07/2022 22:50	0.6	307	17	1.0	0.00
20/07/2022 23:00	0.6	298	12	1.0	0.00
20/07/2022 23:10	0.6	305	39	1.1	0.00
20/07/2022 23:20	0.4	334	22	1.2	0.00
20/07/2022 23:30	0.4	316	10	1.1	0.00
20/07/2022 23:40	0.4	312	9	1.1	0.00
20/07/2022 23:50	0.4	322	21	1.0	0.00
21/07/2022 00:00	0.4	277	10	1.1	0.00
21/07/2022 00:10	0.6	273	11	1.1	0.00
21/07/2022 00:20	0.6	170	33	1.2	0.00
21/07/2022 00:30	0.9	43	24	1.6	0.00
21/07/2022 00:40	0.6	199	36	1.2	0.00
21/07/2022 00:50	0.6	78	6	1.3	0.00
21/07/2022 01:00	0.7	329	33	1.4	0.00
21/07/2022 01:10	0.7	310	18	1.2	0.00
21/07/2022 01:20	0.5	292	21	1.2	0.00
21/07/2022 01:30	0.4	311	15	0.8	0.00
21/07/2022 01:40					0.00
21/07/2022 01:50	0.7	298	9	1.3	0.00
21/07/2022 02:00	0.5	172	42	0.9	0.00
21/07/2022 02:10	0.7	297	46	1.2	0.00
21/07/2022 02:20	1.1	268	27	1.7	0.00
21/07/2022 02:30	0.3	277	3	0.8	0.00
21/07/2022 02:40	1.0	278	10	1.2	0.00
21/07/2022 02:50	1.0	276	11	1.4	0.00
21/07/2022 03:00	1.1	289	13	1.4	0.00





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/07/2022 03:10	0.7	297	7	1.2	0.00
21/07/2022 03:20	0.3	292	38	0.9	0.00
21/07/2022 03:30	0.6	301	5	1.1	0.00
21/07/2022 03:40	0.9	299	4	1.2	0.00
21/07/2022 03:50	1.1	299	6	1.3	0.00
21/07/2022 04:00	0.9	311	11	1.2	0.00
21/07/2022 04:10	0.6	297	19	1.1	0.00
21/07/2022 04:20	0.8	262	12	1.2	0.00
21/07/2022 04:30	1.0	262	9	1.4	0.00
21/07/2022 04:40	1.3	254	7	1.9	0.00
21/07/2022 04:50	1.4	253	8	1.9	0.00
21/07/2022 05:00	1.5	252	8	1.9	0.00
21/07/2022 05:10	1.9	252	8	2.3	0.00
21/07/2022 05:20	2.1	250	8	2.8	0.00
21/07/2022 05:30	1.2	247	10	1.7	0.00
21/07/2022 05:40	1.4	245	9	2.0	0.00
21/07/2022 05:50	2.1	248	8	2.7	0.00
21/07/2022 06:00	2.3	249	7	2.8	0.00
21/07/2022 06:10	2.6	249	8	3.4	0.00
21/07/2022 06:20	2.7	251	8	3.4	0.00
21/07/2022 06:30	2.4	255	9	3.4	0.00
21/07/2022 06:40	2.3	253	10	2.9	0.00
21/07/2022 06:50	2.3	257	9	2.9	0.00
21/07/2022 07:00	2.3	254	9	3.1	0.00
21/07/2022 07:10	2.1	255	10	2.9	0.00
21/07/2022 07:20	2.1	247	10	2.6	0.00
21/07/2022 07:30	2.1	246	10	2.8	0.00
21/07/2022 07:40	2.0	246	11	2.7	0.00
21/07/2022 07:50	1.9	247	12	2.4	0.00
21/07/2022 08:00	1.6	241	12	2.4	0.00
21/07/2022 08:10	1.6	244	12	2.2	0.00
21/07/2022 08:20	1.5	243	16	2.2	0.00
21/07/2022 08:30	1.4	237	12	2.0	0.00
21/07/2022 08:40	1.8	224	13	2.7	0.00
21/07/2022 08:50	1.9	225	15	2.8	0.00
21/07/2022 09:00	1.9	216	24	2.8	0.00
21/07/2022 09:10	2.3	221	14	3.2	0.00
21/07/2022 09:20	1.9	222	21	3.0	0.00
21/07/2022 09:30	2.2	221	17	3.1	0.00
21/07/2022 09:40	2.4	222	12	3.3	0.00
21/07/2022 09:50	2.1	223	21	2.8	0.00
21/07/2022 10:00	1.4	209	51	2.5	0.00
21/07/2022 10:10	1.5	225	26	2.3	0.00
21/07/2022 10:20	1.2	208	37	2.1	0.00
21/07/2022 10:30	1.6	188	54	2.5	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/07/2022 10:40	2.0	111	24	2.8	0.00
21/07/2022 10:50	2.1	112	20	3.4	0.00
21/07/2022 11:00	2.1	131	29	3.4	0.00
21/07/2022 11:10	2.3	130	21	3.2	0.00
21/07/2022 11:20	1.8	152	41	3.2	0.00
21/07/2022 11:30	2.2	230	24	3.7	0.00
21/07/2022 11:40	2.4	245	25	3.6	0.00
21/07/2022 11:50	2.5	248	20	3.6	0.00
21/07/2022 12:00	2.9	248	13	3.7	0.00
21/07/2022 12:10	2.8	245	16	4.1	0.00
21/07/2022 12:20	2.9	237	12	3.9	0.00
21/07/2022 12:30	3.3	263	17	4.3	0.00
21/07/2022 12:40	3.1	259	14	4.7	0.00
21/07/2022 12:50	3.4	250	15	4.7	0.00
21/07/2022 13:00	3.6	257	15	4.8	0.00
21/07/2022 13:10	4.1	262	10	5.1	0.00
21/07/2022 13:20	4.2	265	12	5.4	0.00
21/07/2022 13:30	3.7	261	15	4.8	0.00
21/07/2022 13:40	4.1	255	12	5.4	0.00
21/07/2022 13:50	3.6	260	12	4.6	0.00
21/07/2022 14:00	3.1	266	18	4.4	0.00
21/07/2022 14:10	3.5	265	14	4.8	0.00
21/07/2022 14:20	3.2	273	16	4.8	0.00
21/07/2022 14:30	3.2	270	22	4.7	0.00
21/07/2022 14:40	3.4	293	12	5.2	0.00
21/07/2022 14:50	3.2	284	20	4.4	0.00
21/07/2022 15:00	2.6	301	20	3.6	0.00
21/07/2022 15:10	3.0	306	15	4.1	0.00
21/07/2022 15:20	3.1	306	13	4.4	0.00
21/07/2022 15:30	3.2	301	13	4.1	0.00
21/07/2022 15:40	3.1	300	13	4.4	0.00
21/07/2022 15:50	3.2	301	13	4.3	0.00
21/07/2022 16:00	3.3	300	12	4.6	0.00
21/07/2022 16:10	3.3	300	14	4.4	0.00
21/07/2022 16:20	3.2	302	11	4.2	0.00
21/07/2022 16:30	3.1	303	13	4.0	0.00
21/07/2022 16:40	3.2	308	12	4.2	0.00
21/07/2022 16:50	3.3	298	11	4.3	0.00
21/07/2022 17:00	3.1	299	13	4.0	0.00
21/07/2022 17:10	3.0	300	12	4.4	0.00
21/07/2022 17:20	3.2	304	11	4.3	0.00
21/07/2022 17:30	3.0	304	13	4.0	0.00
21/07/2022 17:40	2.9	307	14	3.9	0.00
21/07/2022 17:50	2.9	320	13	4.0	0.00
21/07/2022 18:00	2.6	324	17	4.1	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/07/2022 18:10	2.5	337	22	3.6	0.00
21/07/2022 18:20	2.7	331	18	3.7	0.00
21/07/2022 18:30	2.6	352	22	3.6	0.00
21/07/2022 18:40	2.6	179	22	4.0	0.00
21/07/2022 18:50	2.3	178	16	3.6	0.00
21/07/2022 19:00	2.4	342	20	4.1	0.00
21/07/2022 19:10	1.8	307	21	2.8	0.00
21/07/2022 19:20	2.9	313	12	4.0	0.00
21/07/2022 19:30	3.3	306	12	4.3	0.00
21/07/2022 19:40	3.3	305	12	4.4	0.00
21/07/2022 19:50	3.1	306	12	4.2	0.00
21/07/2022 20:00	3.1	308	11	4.0	0.00
21/07/2022 20:10	3.2	306	12	4.7	0.00
21/07/2022 20:20	3.1	311	13	4.4	0.00
21/07/2022 20:30	2.8	320	20	4.5	0.00
21/07/2022 20:40	2.7	312	17	4.1	0.00
21/07/2022 20:50	3.3	300	13	4.5	0.00
21/07/2022 21:00	3.2	295	11	4.1	0.00
21/07/2022 21:10	2.8	296	12	3.6	0.00
21/07/2022 21:20	2.5	294	12	3.2	0.00
21/07/2022 21:30	2.3	294	12	3.1	0.00
21/07/2022 21:40	2.5	294	13	3.4	0.00
21/07/2022 21:50	2.6	292	12	3.5	0.00
21/07/2022 22:00	2.3	293	13	3.2	0.00
21/07/2022 22:10	2.3	294	11	2.9	0.00
21/07/2022 22:20	2.1	288	13	2.8	0.00
21/07/2022 22:30	2.1	283	14	2.8	0.00
21/07/2022 22:40	2.1	284	15	3.0	0.00
21/07/2022 22:50	1.9	280	15	2.7	0.00
21/07/2022 23:00	1.9	281	16	2.6	0.00
21/07/2022 23:10	2.0	268	13	2.5	0.00
21/07/2022 23:20	1.9	250	10	2.3	0.00
21/07/2022 23:30	1.7	236	7	2.1	0.00
21/07/2022 23:40	1.8	253	8	2.4	0.00
21/07/2022 23:50	1.6	258	8	2.0	0.00
22/07/2022 00:00	1.7	272	8	2.0	0.00
22/07/2022 00:10	1.6	270	8	1.9	0.00
22/07/2022 00:20	1.5	271	7	1.9	0.00
22/07/2022 00:30	1.8	270	7	2.2	0.00
22/07/2022 00:40	1.9	269	8	2.3	0.00
22/07/2022 00:50	1.9	268	11	2.4	0.00
22/07/2022 01:00	1.9	268	13	2.4	0.00
22/07/2022 01:10	1.9	266	11	2.4	0.00
22/07/2022 01:20	2.1	265	10	2.5	0.00
22/07/2022 01:30	2.2	263	8	2.7	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/07/2022 01:40	2.0	261	9	2.5	0.00
22/07/2022 01:50	2.1	260	6	2.5	0.00
22/07/2022 02:00	2.2	259	7	2.6	0.00
22/07/2022 02:10	2.2	260	8	2.5	0.00
22/07/2022 02:20	2.4	262	6	2.8	0.00
22/07/2022 02:30	2.6	263	6	3.0	0.00
22/07/2022 02:40	2.3	262	6	2.8	0.00
22/07/2022 02:50	2.3	259	6	2.7	0.00
22/07/2022 03:00	2.3	257	7	2.8	0.00
22/07/2022 03:10	2.3	257	7	2.8	0.00
22/07/2022 03:20	2.3	257	7	2.8	0.00
22/07/2022 03:30	2.2	256	7	2.6	0.00
22/07/2022 03:40	2.0	252	7	2.4	0.00
22/07/2022 03:50	1.7	250	8	2.1	0.00
22/07/2022 04:00	1.7	240	7	2.0	0.00
22/07/2022 04:10	1.7	257	6	2.1	0.00
22/07/2022 04:20	1.4	238	7	1.6	0.00
22/07/2022 04:30	1.4	249	7	1.6	0.00
22/07/2022 04:40	1.3	251	10	1.6	0.00
22/07/2022 04:50	1.3	249	10	1.6	0.00
22/07/2022 05:00	1.2	251	13	1.6	0.00
22/07/2022 05:10	1.4	247	10	1.7	0.00
22/07/2022 05:20	1.2	255	8	1.4	0.00
22/07/2022 05:30	1.0	240	13	1.4	0.00
22/07/2022 05:40	1.2	242	17	1.6	0.00
22/07/2022 05:50	1.2	252	11	1.6	0.00
22/07/2022 06:00	1.6	261	9	2.0	0.00
22/07/2022 06:10	1.4	259	11	1.8	0.00
22/07/2022 06:20	1.7	267	9	2.3	0.00
22/07/2022 06:30	1.7	260	8	2.2	0.00
22/07/2022 06:40	1.6	253	7	2.4	0.00
22/07/2022 06:50	1.3	248	8	1.7	0.00
22/07/2022 07:00	1.2	249	9	1.6	0.00
22/07/2022 07:10	1.0	256	8	1.3	0.00
22/07/2022 07:20	0.9	264	10	1.2	0.00
22/07/2022 07:30	0.7	244	15	1.1	0.00
22/07/2022 07:40	0.3	267	13	0.9	0.00
22/07/2022 07:50	1.1	246	12	1.5	0.00
22/07/2022 08:00	0.9	231	16	1.5	0.00
22/07/2022 08:10	0.7	232	19	1.2	0.00
22/07/2022 08:20	0.8	269	29	1.6	0.00
22/07/2022 08:30	1.5	261	21	2.0	0.00
22/07/2022 08:40	1.7	243	16	2.4	0.00
22/07/2022 08:50	1.8	260	18	2.7	0.00
22/07/2022 09:00	1.7	297	23	2.4	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/07/2022 09:10	1.9	301	12	2.2	0.00
22/07/2022 09:20	2.4	298	11	3.0	0.00
22/07/2022 09:30	2.5	282	16	3.8	0.00
22/07/2022 09:40	2.6	284	18	3.4	0.00
22/07/2022 09:50	2.5	294	13	3.5	0.00
22/07/2022 10:00	2.8	266	16	3.8	0.00
22/07/2022 10:10	3.1	251	12	4.3	0.00
22/07/2022 10:20	3.9	258	11	5.0	0.00
22/07/2022 10:30	4.5	256	12	6.0	0.00
22/07/2022 10:40	4.1	264	12	5.2	0.00
22/07/2022 10:50	3.8	257	12	5.1	0.00
22/07/2022 11:00	3.5	264	14	4.8	0.00
22/07/2022 11:10	3.5	244	16	4.4	0.00
22/07/2022 11:20	3.1	258	18	4.2	0.00
22/07/2022 11:30	3.1	270	20	4.0	0.00
22/07/2022 11:40	3.4	264	16	4.8	0.00
22/07/2022 11:50	3.4	273	11	4.4	0.00
22/07/2022 12:00	3.1	258	14	4.0	0.00
22/07/2022 12:10	2.9	259	18	4.1	0.00
22/07/2022 12:20	2.9	275	19	4.2	0.00
22/07/2022 12:30	2.7	292	20	3.7	0.00
22/07/2022 12:40	3.1	289	16	4.5	0.00
22/07/2022 12:50	3.1	306	14	4.5	0.00
22/07/2022 13:00	3.5	303	14	4.8	0.00
22/07/2022 13:10	4.3	298	8	5.2	0.00
22/07/2022 13:20	4.0	297	11	5.2	0.00
22/07/2022 13:30	3.8	307	10	5.1	0.00
22/07/2022 13:40	4.3	296	11	5.6	0.00
22/07/2022 13:50	4.3	298	12	5.4	0.00
22/07/2022 14:00	4.6	296	12	5.9	0.00
22/07/2022 14:10	4.7	297	12	6.0	0.00
22/07/2022 14:20	4.0	296	15	5.3	0.00
22/07/2022 14:30	4.6	296	11	5.9	0.00
22/07/2022 14:40	4.9	298	12	6.8	0.00
22/07/2022 14:50	4.5	300	13	6.0	0.00
22/07/2022 15:00	4.3	297	13	6.2	0.00
22/07/2022 15:10	4.8	298	12	6.4	0.00
22/07/2022 15:20	5.3	297	12	6.5	0.00
22/07/2022 15:30	5.5	298	10	7.2	0.00
22/07/2022 15:40	5.2	297	11	6.6	0.00
22/07/2022 15:50	4.7	296	12	6.4	0.00
22/07/2022 16:00	4.9	294	13	6.4	0.00
22/07/2022 16:10	5.0	298	8	6.3	0.00
22/07/2022 16:20	4.8	295	11	6.4	0.00
22/07/2022 16:30	4.4	295	13	5.8	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/07/2022 16:40	4.6	292	12	6.3	0.00
22/07/2022 16:50	4.6	294	14	6.2	0.00
22/07/2022 17:00	3.8	283	16	5.2	0.00
22/07/2022 17:10	4.2	294	13	5.8	0.00
22/07/2022 17:20	4.3	297	12	5.8	0.00
22/07/2022 17:30	4.6	292	13	6.4	0.00
22/07/2022 17:40	4.0	290	17	5.7	0.00
22/07/2022 17:50	3.8	278	16	5.3	0.00
22/07/2022 18:00	3.9	269	14	5.2	0.00
22/07/2022 18:10	4.1	262	10	5.7	0.00
22/07/2022 18:20	4.5	263	11	6.1	0.00
22/07/2022 18:30	4.7	261	11	6.4	0.00
22/07/2022 18:40	4.6	260	9	5.9	0.00
22/07/2022 18:50	3.9	265	11	5.2	0.00
22/07/2022 19:00	3.4	268	13	4.3	0.00
22/07/2022 19:10	3.3	268	12	4.2	0.00
22/07/2022 19:20	3.2	269	12	4.5	0.00
22/07/2022 19:30	3.2	266	13	4.8	0.00
22/07/2022 19:40	3.3	266	13	4.4	0.00
22/07/2022 19:50	3.1	266	11	3.8	0.00
22/07/2022 20:00	3.2	267	12	4.4	0.00
22/07/2022 20:10	3.4	271	13	4.5	0.00
22/07/2022 20:20	3.4	269	14	4.8	0.00
22/07/2022 20:30	3.7	270	13	4.8	0.00
22/07/2022 20:40	3.5	265	10	4.5	0.00
22/07/2022 20:50	3.6	264	11	4.6	0.00
22/07/2022 21:00	3.8	261	9	5.2	0.00
22/07/2022 21:10	3.6	263	8	4.8	0.00
22/07/2022 21:20	3.7	263	8	5.0	0.00
22/07/2022 21:30	3.5	259	10	4.8	0.00
22/07/2022 21:40	3.0	261	8	3.9	0.00
22/07/2022 21:50	3.1	261	10	4.0	0.00
22/07/2022 22:00	3.4	263	8	4.6	0.00
22/07/2022 22:10	3.4	261	10	4.6	0.00
22/07/2022 22:20	3.4	262	9	4.3	0.00
22/07/2022 22:30	3.3	261	9	4.3	0.00
22/07/2022 22:40	3.3	257	10	4.4	0.00
22/07/2022 22:50	3.3	255	11	4.5	0.00
22/07/2022 23:00	3.5	257	10	4.9	0.00
22/07/2022 23:10	3.5	258	11	4.6	0.00
22/07/2022 23:20	3.9	257	10	5.4	0.00
22/07/2022 23:30	3.6	254	10	4.8	0.00
22/07/2022 23:40	3.5	257	11	5.0	0.00
22/07/2022 23:50	3.6	262	10	5.1	0.00
23/07/2022 00:00	3.6	259	10	4.8	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/07/2022 00:10	3.6	257	10	4.8	0.00
23/07/2022 00:20	3.9	259	10	5.7	0.00
23/07/2022 00:30	3.3	257	10	4.5	0.00
23/07/2022 00:40	3.3	263	10	4.8	0.00
23/07/2022 00:50	3.6	260	9	4.7	0.00
23/07/2022 01:00	3.8	262	10	5.0	0.00
23/07/2022 01:10	3.9	264	8	4.9	0.00
23/07/2022 01:20	3.7	263	10	4.9	0.00
23/07/2022 01:30	3.8	264	9	5.1	0.00
23/07/2022 01:40	3.9	263	8	4.8	0.00
23/07/2022 01:50	3.9	263	9	5.1	0.00
23/07/2022 02:00	3.7	263	8	4.9	0.00
23/07/2022 02:10	4.0	263	11	5.4	0.00
23/07/2022 02:20	4.0	266	9	5.2	0.00
23/07/2022 02:30	4.1	258	11	5.2	0.00
23/07/2022 02:40	3.8	254	10	5.1	0.00
23/07/2022 02:50	3.9	259	9	5.4	0.00
23/07/2022 03:00	3.7	263	10	4.8	0.00
23/07/2022 03:10	3.9	262	9	5.3	0.00
23/07/2022 03:20	3.9	265	9	5.1	0.00
23/07/2022 03:30	3.5	260	9	4.7	0.00
23/07/2022 03:40	3.3	257	9	4.2	0.00
23/07/2022 03:50	2.9	256	10	3.9	0.00
23/07/2022 04:00	2.6	253	10	3.4	0.00
23/07/2022 04:10	2.5	258	9	3.5	0.00
23/07/2022 04:20	2.1	267	8	2.8	0.00
23/07/2022 04:30	2.3	263	7	2.8	0.00
23/07/2022 04:40	2.3	261	8	2.8	0.00
23/07/2022 04:50	2.4	265	9	3.1	0.00
23/07/2022 05:00	2.7	264	7	3.2	0.00
23/07/2022 05:10	3.0	264	8	4.0	0.00
23/07/2022 05:20	2.7	264	8	3.4	0.00
23/07/2022 05:30	2.9	265	8	3.6	0.00
23/07/2022 05:40	2.6	266	8	3.2	0.00
23/07/2022 05:50	2.1	271	9	2.7	0.00
23/07/2022 06:00	2.1	273	8	2.9	0.00
23/07/2022 06:10	2.4	270	9	3.2	0.00
23/07/2022 06:20	2.7	262	7	3.5	0.00
23/07/2022 06:30	2.9	261	8	3.8	0.00
23/07/2022 06:40	2.5	259	9	3.2	0.00
23/07/2022 06:50	2.6	264	8	3.6	0.00
23/07/2022 07:00	2.3	259	8	3.2	0.00
23/07/2022 07:10	2.4	260	10	3.2	0.00
23/07/2022 07:20	3.1	262	7	3.9	0.00
23/07/2022 07:30	2.6	257	11	3.8	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/07/2022 07:40	3.0	252	10	4.0	0.00
23/07/2022 07:50	2.6	248	12	3.6	0.00
23/07/2022 08:00	3.0	250	11	3.9	0.00
23/07/2022 08:10	3.5	246	10	4.4	0.00
23/07/2022 08:20	3.4	253	13	5.1	0.00
23/07/2022 08:30	3.8	252	11	4.8	0.00
23/07/2022 08:40	3.6	255	12	4.5	0.00
23/07/2022 08:50	3.6	247	14	4.8	0.00
23/07/2022 09:00	3.5	248	14	4.5	0.00
23/07/2022 09:10	4.0	256	11	5.2	0.00
23/07/2022 09:20	3.7	251	13	4.8	0.00
23/07/2022 09:30	4.2	249	13	5.6	0.00
23/07/2022 09:40	4.8	246	14	6.2	0.00
23/07/2022 09:50	4.7	251	13	6.8	0.00
23/07/2022 10:00	5.6	257	12	7.5	0.00
23/07/2022 10:10	5.6	253	13	7.3	0.00
23/07/2022 10:20	5.6	255	13	7.3	0.00
23/07/2022 10:30	5.8	253	12	8.1	0.00
23/07/2022 10:40	5.7	253	13	7.4	0.00
23/07/2022 10:50	5.5	257	11	7.0	0.00
23/07/2022 11:00	5.1	266	11	6.6	0.00
23/07/2022 11:10	5.3	266	12	7.2	0.00
23/07/2022 11:20	5.2	268	14	6.5	0.00
23/07/2022 11:30	5.9	271	14	8.0	0.00
23/07/2022 11:40	6.3	264	12	8.1	0.00
23/07/2022 11:50	6.2	262	10	8.2	0.00
23/07/2022 12:00	6.5	262	10	8.9	0.00
23/07/2022 12:10	5.8	273	14	8.0	0.00
23/07/2022 12:20	6.3	267	14	8.2	0.00
23/07/2022 12:30	5.9	263	12	8.0	0.00
23/07/2022 12:40	6.3	272	14	8.4	0.00
23/07/2022 12:50	6.5	266	15	8.3	0.00
23/07/2022 13:00	6.8	266	11	8.7	0.00
23/07/2022 13:10	6.3	262	12	8.6	0.00
23/07/2022 13:20	7.1	263	12	9.1	0.00
23/07/2022 13:30	6.5	265	12	9.5	0.00
23/07/2022 13:40	6.5	265	13	8.6	0.00
23/07/2022 13:50	6.9	264	11	9.1	0.00
23/07/2022 14:00	6.5	265	12	9.5	0.00
23/07/2022 14:10	6.7	263	12	9.1	0.00
23/07/2022 14:20	6.4	258	13	8.7	0.00
23/07/2022 14:30	6.0	258	12	8.2	0.00
23/07/2022 14:40	6.6	263	13	8.5	0.00
23/07/2022 14:50	6.4	258	13	8.6	0.00
23/07/2022 15:00	6.1	259	11	8.4	0.00





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/07/2022 15:10	6.9	260	12	9.6	0.00
23/07/2022 15:20	6.4	259	12	8.8	0.00
23/07/2022 15:30	6.7	261	11	9.3	0.00
23/07/2022 15:40	6.9	259	13	9.5	0.00
23/07/2022 15:50	6.7	264	12	9.1	0.00
23/07/2022 16:00	6.6	257	11	9.0	0.00
23/07/2022 16:10	6.5	260	12	8.8	0.00
23/07/2022 16:20	6.5	262	13	9.0	0.00
23/07/2022 16:30	6.3	260	11	9.0	0.00
23/07/2022 16:40	6.0	260	13	8.3	0.00
23/07/2022 16:50	6.0	261	11	8.7	0.00
23/07/2022 17:00	6.4	263	12	8.3	0.00
23/07/2022 17:10	6.4	260	10	8.2	0.00
23/07/2022 17:20	5.7	259	9	7.6	0.00
23/07/2022 17:30	5.8	263	11	8.3	0.00
23/07/2022 17:40	5.6	259	10	7.9	0.00
23/07/2022 17:50	5.5	262	12	7.0	0.00
23/07/2022 18:00	5.8	260	11	7.6	0.00
23/07/2022 18:10	5.2	263	10	7.0	0.00
23/07/2022 18:20	5.6	261	13	8.1	0.00
23/07/2022 18:30	6.0	260	11	8.0	0.00
23/07/2022 18:40	5.6	259	11	7.9	0.00
23/07/2022 18:50	5.3	257	12	7.5	0.00
23/07/2022 19:00	5.5	255	11	7.8	0.00
23/07/2022 19:10	5.9	254	10	7.9	0.00
23/07/2022 19:20	5.7	254	11	8.1	0.00
23/07/2022 19:30	5.4	257	10	7.5	0.00
23/07/2022 19:40	5.9	256	10	8.1	0.00
23/07/2022 19:50	6.2	255	12	8.3	0.00
23/07/2022 20:00	5.8	256	12	7.4	0.00
23/07/2022 20:10	5.7	256	11	7.5	0.00
23/07/2022 20:20	5.5	254	11	8.0	0.00
23/07/2022 20:30	5.4	255	13	7.5	0.00
23/07/2022 20:40	5.2	255	12	7.6	0.00
23/07/2022 20:50	4.5	251	13	6.4	0.00
23/07/2022 21:00	4.8	252	12	6.5	0.00
23/07/2022 21:10	4.4	253	12	5.9	0.00
23/07/2022 21:20	4.1	256	12	5.7	0.00
23/07/2022 21:30	4.4	243	12	5.8	0.00
23/07/2022 21:40	3.8	243	13	5.2	0.00
23/07/2022 21:50	3.6	248	11	5.2	0.00
23/07/2022 22:00	3.5	243	11	5.0	0.00
23/07/2022 22:10	3.4	237	14	5.0	0.00
23/07/2022 22:20	3.2	230	15	4.6	0.00
23/07/2022 22:30	3.5	230	13	5.3	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/07/2022 22:40	3.4	233	13	4.8	0.00
23/07/2022 22:50	3.7	231	14	5.6	0.00
23/07/2022 23:00	3.7	232	14	5.5	0.00
23/07/2022 23:10	3.8	233	12	5.2	0.00
23/07/2022 23:20	3.6	232	14	5.2	0.00
23/07/2022 23:30	3.6	231	13	5.1	0.00
23/07/2022 23:40	3.1	229	16	4.2	0.00
23/07/2022 23:50	3.5	229	16	5.3	0.00
24/07/2022 00:00	3.8	232	16	5.2	0.00
24/07/2022 00:10	3.6	236	14	4.8	0.00
24/07/2022 00:20	3.4	232	16	4.8	0.00
24/07/2022 00:30	3.4	227	13	4.5	0.00
24/07/2022 00:40	2.6	223	19	3.9	0.00
24/07/2022 00:50	2.2	227	17	3.2	0.00
24/07/2022 01:00	3.0	232	15	4.5	0.00
24/07/2022 01:10	3.1	231	14	4.4	0.00
24/07/2022 01:20	3.0	229	16	4.6	0.00
24/07/2022 01:30	3.0	227	13	4.0	0.00
24/07/2022 01:40	3.3	234	13	4.5	0.00
24/07/2022 01:50	4.1	231	14	5.9	0.00
24/07/2022 02:00	4.3	234	12	5.9	0.00
24/07/2022 02:10	3.6	234	14	5.0	0.00
24/07/2022 02:20	3.2	231	15	4.4	0.00
24/07/2022 02:30	3.0	236	13	4.3	0.00
24/07/2022 02:40	3.3	230	15	4.8	0.00
24/07/2022 02:50	3.3	231	15	4.8	0.00
24/07/2022 03:00	3.0	230	15	4.9	0.00
24/07/2022 03:10	3.2	231	13	5.1	0.00
24/07/2022 03:20	3.1	229	14	4.3	0.00
24/07/2022 03:30	2.9	227	18	4.1	0.00
24/07/2022 03:40	2.6	227	16	3.4	0.00
24/07/2022 03:50	2.5	222	17	3.9	0.00
24/07/2022 04:00	3.0	221	16	4.6	0.00
24/07/2022 04:10	2.7	221	18	4.3	0.00
24/07/2022 04:20	3.7	220	18	5.2	0.00
24/07/2022 04:30	3.6	218	16	5.0	0.00
24/07/2022 04:40	3.1	218	13	4.1	0.00
24/07/2022 04:50	2.9	218	16	4.2	0.00
24/07/2022 05:00	2.6	219	20	3.8	0.00
24/07/2022 05:10	2.8	217	21	4.0	0.00
24/07/2022 05:20	2.0	218	40	3.1	0.00
24/07/2022 05:30	2.2	215	27	3.1	0.00
24/07/2022 05:40	2.4	214	22	3.6	0.00
24/07/2022 05:50	2.8	217	18	3.6	0.00
24/07/2022 06:00	2.9	219	13	3.8	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/07/2022 06:10	2.8	221	13	4.0	0.00
24/07/2022 06:20	3.0	221	15	4.0	0.00
24/07/2022 06:30	2.7	220	15	3.6	0.00
24/07/2022 06:40	2.9	221	15	3.9	0.00
24/07/2022 06:50	2.5	221	12	3.2	0.00
24/07/2022 07:00	2.1	223	16	3.1	0.00
24/07/2022 07:10	1.8	228	19	2.8	0.00
24/07/2022 07:20	2.1	232	13	3.0	0.00
24/07/2022 07:30	1.7	230	17	2.2	0.00
24/07/2022 07:40	1.8	228	15	2.4	0.00
24/07/2022 07:50	2.0	225	15	3.1	0.00
24/07/2022 08:00	1.9	223	18	2.6	0.00
24/07/2022 08:10	1.9	228	18	2.9	0.00
24/07/2022 08:20	1.9	220	32	3.1	0.00
24/07/2022 08:30	1.8	236	60	3.1	0.00
24/07/2022 08:40	2.7	221	36	4.2	0.00
24/07/2022 08:50	1.6	257	93	2.9	0.00
24/07/2022 09:00	2.0	260	76	4.0	0.00
24/07/2022 09:10	1.8	96	89	3.5	0.00
24/07/2022 09:20	2.5	214	74	5.4	0.00
24/07/2022 09:30	2.1	273	86	4.2	0.00
24/07/2022 09:40	2.6	252	66	4.5	0.00
24/07/2022 09:50	2.4	221	82	4.6	0.00
24/07/2022 10:00	2.3	181	91	4.6	0.00
24/07/2022 10:10	2.1	230	86	4.4	0.00
24/07/2022 10:20	2.2	281	74	4.0	0.00
24/07/2022 10:30	2.7	168	87	5.6	0.00
24/07/2022 10:40	2.7	238	76	5.3	0.00
24/07/2022 10:50	2.7	258	91	4.4	0.00
24/07/2022 11:00	2.6	192	72	4.8	0.00
24/07/2022 11:10	2.6	128	84	5.3	0.00
24/07/2022 11:20	2.6	172	77	4.4	0.00
24/07/2022 11:30	2.9	209	76	6.0	0.00
24/07/2022 11:40	2.4	271	90	5.0	0.00
24/07/2022 11:50	3.5	213	54	5.6	0.00
24/07/2022 12:00	2.7	211	79	5.1	0.00
24/07/2022 12:10	3.1	216	66	5.8	0.00
24/07/2022 12:20	3.2	228	51	5.5	0.00
24/07/2022 12:30	4.0	222	34	6.3	0.00
24/07/2022 12:40	3.2	150	57	6.7	0.00
24/07/2022 12:50	3.1	137	41	5.0	0.00
24/07/2022 13:00	2.9	137	38	4.9	0.00
24/07/2022 13:10	2.7	127	25	4.8	0.00
24/07/2022 13:20	3.1	115	19	5.2	0.00
24/07/2022 13:30	3.8	113	18	5.6	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/07/2022 13:40	3.1	113	20	5.2	0.00
24/07/2022 13:50	4.0	103	17	5.9	0.00
24/07/2022 14:00	3.0	116	25	4.9	0.00
24/07/2022 14:10	3.3	110	17	4.7	0.00
24/07/2022 14:20	2.5	107	29	4.4	0.00
24/07/2022 14:30	2.9	117	19	4.4	0.00
24/07/2022 14:40	2.7	115	20	4.5	0.00
24/07/2022 14:50	2.6	114	22	4.8	0.00
24/07/2022 15:00	3.0	93	18	5.0	0.00
24/07/2022 15:10	2.7	104	21	3.9	0.00
24/07/2022 15:20	2.6	109	23	4.4	0.00
24/07/2022 15:30	1.4	89	54	2.9	0.00
24/07/2022 15:40	2.2	75	17	4.6	0.00
24/07/2022 15:50	1.0	126	42	2.1	0.00
24/07/2022 16:00	2.6	87	19	4.0	0.00
24/07/2022 16:10	2.1	68	17	3.1	0.00
24/07/2022 16:20	3.0	32	21	4.4	0.00
24/07/2022 16:30	4.1	179	14	5.7	0.00
24/07/2022 16:40	4.0	181	17	5.9	0.00
24/07/2022 16:50	3.7	185	16	5.3	0.00
24/07/2022 17:00	3.6	10	18	5.2	0.00
24/07/2022 17:10	3.6	3	18	5.6	0.00
24/07/2022 17:20	3.7	16	19	5.2	0.00
24/07/2022 17:30	3.2	13	17	4.8	0.00
24/07/2022 17:40	3.3	16	14	4.5	0.00
24/07/2022 17:50	2.5	166	22	3.7	0.00
24/07/2022 18:00	1.8	328	26	3.6	0.00
24/07/2022 18:10	3.4	315	16	5.2	0.00
24/07/2022 18:20	3.2	312	15	4.4	0.00
24/07/2022 18:30	2.6	285	16	4.2	0.00
24/07/2022 18:40	3.1	278	14	4.4	0.00
24/07/2022 18:50	2.9	279	14	4.0	0.00
24/07/2022 19:00	2.8	280	14	4.0	0.00
24/07/2022 19:10	2.8	286	14	4.0	0.00
24/07/2022 19:20	2.9	282	15	4.3	0.00
24/07/2022 19:30	2.7	285	15	3.7	0.00
24/07/2022 19:40	2.8	286	14	3.8	0.00
24/07/2022 19:50	2.8	274	12	3.9	0.00
24/07/2022 20:00	3.1	269	11	3.8	0.00
24/07/2022 20:10	2.9	267	10	3.6	0.00
24/07/2022 20:20	2.1	268	13	2.9	0.00
24/07/2022 20:30	1.6	279	19	2.4	0.00
24/07/2022 20:40	1.1	325	20	2.0	0.00
24/07/2022 20:50	1.5	295	21	2.4	0.00
24/07/2022 21:00	0.9	336	43	2.3	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/07/2022 21:10	1.1	166	42	2.1	0.00
24/07/2022 21:20	1.4	306	31	2.4	0.00
24/07/2022 21:30	1.9	334	18	2.8	0.00
24/07/2022 21:40	1.7	330	21	2.5	0.00
24/07/2022 21:50	2.4	313	15	3.9	0.00
24/07/2022 22:00	2.2	326	14	3.3	0.00
24/07/2022 22:10	1.9	333	18	2.7	0.00
24/07/2022 22:20	1.7	325	24	2.5	0.00
24/07/2022 22:30	0.7	132	38	1.1	0.00
24/07/2022 22:40	1.2	323	33	1.8	0.00
24/07/2022 22:50	1.1	195	56	1.8	0.00
24/07/2022 23:00	0.7	164	27	2.0	0.00
24/07/2022 23:10	0.6	147	24	1.4	0.00
24/07/2022 23:20	0.1	304	11	0.7	0.00
24/07/2022 23:30	0.5	298	20	1.1	0.00
24/07/2022 23:40	1.3	251	21	2.0	0.00
24/07/2022 23:50	0.8	206	61	1.6	0.00
25/07/2022 00:00	0.8	273	27	1.3	0.00
25/07/2022 00:10	0.8	82	72	1.4	0.00
25/07/2022 00:20	0.6	299	43	0.9	0.00
25/07/2022 00:30	0.6	251	18	0.9	0.00
25/07/2022 00:40	0.3	123	30	0.8	0.00
25/07/2022 00:50	1.0	253	26	1.4	0.00
25/07/2022 01:00	0.4	263	39	1.5	0.00
25/07/2022 01:10	0.7	146	77	1.6	0.00
25/07/2022 01:20	1.0	149	30	1.8	0.00
25/07/2022 01:30	1.8	141	20	3.1	0.00
25/07/2022 01:40	1.8	138	20	2.6	0.00
25/07/2022 01:50	2.3	138	27	4.4	0.00
25/07/2022 02:00	1.2	148	37	2.7	0.00
25/07/2022 02:10	1.9	135	18	2.9	0.00
25/07/2022 02:20	2.0	116	13	3.1	0.00
25/07/2022 02:30	1.7	111	12	2.7	0.00
25/07/2022 02:40	1.7	116	16	2.6	0.00
25/07/2022 02:50	1.5	124	22	2.6	0.00
25/07/2022 03:00	0.6	92	38	1.1	0.00
25/07/2022 03:10	1.0	105	22	1.7	0.00
25/07/2022 03:20	1.5	97	10	2.4	0.00
25/07/2022 03:30	1.6	105	13	2.4	0.00
25/07/2022 03:40	1.3	100	12	1.8	0.00
25/07/2022 03:50	1.2	102	13	1.8	0.00
25/07/2022 04:00	1.2	94	25	2.6	0.00
25/07/2022 04:10	1.2	98	19	1.9	0.00
25/07/2022 04:20	1.4	95	19	2.2	0.00
25/07/2022 04:30	1.5	91	15	2.1	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/07/2022 04:40	1.6	119	13	2.1	0.00
25/07/2022 04:50	1.7	100	12	2.8	0.00
25/07/2022 05:00	1.7	107	14	2.8	0.00
25/07/2022 05:10	2.6	94	12	3.3	0.00
25/07/2022 05:20	2.4	91	13	3.9	0.00
25/07/2022 05:30	2.6	98	12	3.7	0.00
25/07/2022 05:40	2.1	96	11	3.2	0.00
25/07/2022 05:50	2.1	99	13	2.8	0.00
25/07/2022 06:00	2.1	96	13	3.1	0.00
25/07/2022 06:10	2.7	93	11	3.8	0.00
25/07/2022 06:20	3.4	92	13	4.6	0.00
25/07/2022 06:30	4.0	101	11	5.8	0.00
25/07/2022 06:40	3.9	105	9	5.4	0.00
25/07/2022 06:50	4.1	102	10	5.8	0.00
25/07/2022 07:00	3.6	99	13	5.2	0.00
25/07/2022 07:10	3.4	93	12	5.6	0.00
25/07/2022 07:20	3.5	92	11	4.9	0.00
25/07/2022 07:30	4.2	101	13	6.3	0.00
25/07/2022 07:40	4.2	102	13	5.7	0.00
25/07/2022 07:50	4.5	91	15	6.8	0.00
25/07/2022 08:00	5.5	93	12	8.7	0.00
25/07/2022 08:10	6.0	99	12	9.3	0.00
25/07/2022 08:20	5.7	95	14	8.4	0.00
25/07/2022 08:30	6.3	94	13	9.0	0.00
25/07/2022 08:40	6.4	96	13	9.9	0.00
25/07/2022 08:50	7.4	94	14	11.1	0.00
25/07/2022 09:00	8.0	98	12	12.3	0.00
25/07/2022 09:10	8.0	103	13	11.3	0.00
25/07/2022 09:20	6.7	100	13	9.5	0.00
25/07/2022 09:30	6.8	93	13	8.8	0.00
25/07/2022 09:40	6.5	94	12	8.7	0.00
25/07/2022 09:50	6.6	90	13	9.5	0.00
25/07/2022 10:00	6.4	90	12	8.6	0.00
25/07/2022 10:10	6.6	97	14	9.3	0.00
25/07/2022 10:20	6.0	89	13	8.0	0.00
25/07/2022 10:30	6.0	87	12	9.1	0.00
25/07/2022 10:40	6.4	92	14	8.9	0.00
25/07/2022 10:50	6.1	85	10	8.7	0.00
25/07/2022 11:00	6.4	89	11	9.1	0.00
25/07/2022 11:10	6.1	84	11	8.3	0.00
25/07/2022 11:20	7.0	86	12	9.4	0.00
25/07/2022 11:30	6.0	84	13	9.1	0.00
25/07/2022 11:40	6.2	81	12	8.1	0.00
25/07/2022 11:50	6.8	76	11	9.5	0.00
25/07/2022 12:00	6.9	76	11	9.5	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/07/2022 12:10	6.8	75	11	9.1	0.00
25/07/2022 12:20	6.1	77	12	8.3	0.00
25/07/2022 12:30	6.5	71	10	8.9	0.00
25/07/2022 12:40	5.9	84	13	8.2	0.10
25/07/2022 12:50	6.3	76	11	8.0	0.00
25/07/2022 13:00	6.7	73	10	9.0	0.00
25/07/2022 13:10	6.5	76	10	8.5	0.00
25/07/2022 13:20	6.4	78	10	8.7	0.00
25/07/2022 13:30	5.8	75	15	7.9	0.00
25/07/2022 13:40	5.5	74	13	7.5	0.00
25/07/2022 13:50	5.2	78	13	7.5	0.00
25/07/2022 14:00	5.9	79	12	7.8	0.00
25/07/2022 14:10	5.5	90	11	7.5	0.00
25/07/2022 14:20	5.7	91	14	7.8	0.00
25/07/2022 14:30	4.6	78	13	5.9	0.00
25/07/2022 14:40	5.1	73	13	7.3	0.00
25/07/2022 14:50	5.1	77	12	7.1	0.00
25/07/2022 15:00	5.0	80	12	6.6	0.00
25/07/2022 15:10	5.1	85	12	6.7	0.00
25/07/2022 15:20	5.1	77	13	7.5	0.00
25/07/2022 15:30	4.7	78	11	6.9	0.00
25/07/2022 15:40	4.7	77	13	6.5	0.00
25/07/2022 15:50	4.0	69	13	5.5	0.00
25/07/2022 16:00	3.8	59	13	5.2	0.00
25/07/2022 16:10	4.0	60	13	5.3	0.00
25/07/2022 16:20	4.0	60	11	5.6	0.00
25/07/2022 16:30	4.4	58	11	6.1	0.00
25/07/2022 16:40	4.2	58	11	5.4	0.00
25/07/2022 16:50	4.3	61	10	5.6	0.00
25/07/2022 17:00	4.1	59	11	5.6	0.00
25/07/2022 17:10	4.2	59	10	5.8	0.00
25/07/2022 17:20	3.6	61	11	4.6	0.00
25/07/2022 17:30	3.3	51	10	4.4	0.00
25/07/2022 17:40	2.7	52	8	3.5	0.00
25/07/2022 17:50	2.4	47	10	3.1	0.00
25/07/2022 18:00	2.8	39	11	3.7	0.00
25/07/2022 18:10	2.9	38	11	3.6	0.00
25/07/2022 18:20	2.6	38	12	3.8	0.00
25/07/2022 18:30	2.0	52	13	3.0	0.00
25/07/2022 18:40	1.7	62	10	2.0	0.00
25/07/2022 18:50	1.4	64	9	1.9	0.00
25/07/2022 19:00	1.2	61	10	1.6	0.00
25/07/2022 19:10	0.8	75	29	1.2	0.00
25/07/2022 19:20	0.3	139	23	0.9	0.00
25/07/2022 19:30	0.1	127	19	0.6	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/07/2022 19:40	0.3	159	19	0.8	0.00
25/07/2022 19:50	0.8	220	10	1.5	0.00
25/07/2022 20:00	0.9	234	23	1.5	0.00
25/07/2022 20:10	0.3	266	16	0.8	0.00
25/07/2022 20:20	0.6	273	27	1.1	0.00
25/07/2022 20:30	0.0	283	1	0.8	0.00
25/07/2022 20:40	0.4	263	10	0.8	0.00
25/07/2022 20:50	0.2	40	11	0.7	0.00
25/07/2022 21:00	0.6	308	10	1.3	0.00
25/07/2022 21:10	0.3	296	1	0.7	0.00
25/07/2022 21:20	0.4	336	7	0.8	0.00
25/07/2022 21:30					0.00
25/07/2022 21:40					0.00
25/07/2022 21:50	0.2	301	1	0.7	0.00
25/07/2022 22:00	0.5	314	8	1.2	0.00
25/07/2022 22:10	0.1	199	3	0.8	0.00
25/07/2022 22:20	0.5	317	9	1.0	0.00
25/07/2022 22:30	0.3	294	7	0.8	0.00
25/07/2022 22:40	0.3	285	4	0.8	0.00
25/07/2022 22:50	0.1	220	3	0.6	0.00
25/07/2022 23:00					0.00
25/07/2022 23:10	0.0	325	0	0.4	0.00
25/07/2022 23:20					0.00
25/07/2022 23:30	0.3	146	23	0.8	0.00
25/07/2022 23:40	0.0	243	2	0.5	0.00
25/07/2022 23:50	0.5	283	13	0.9	0.00
26/07/2022 00:00	0.7	295	10	0.9	0.00
26/07/2022 00:10	0.3	293	5	0.8	0.00
26/07/2022 00:20	0.3	339	20	0.8	0.00
26/07/2022 00:30	0.3	296	4	0.6	0.00
26/07/2022 00:40	0.0	294	0	0.4	0.00
26/07/2022 00:50	0.6	304	6	1.0	0.00
26/07/2022 01:00	0.7	298	5	1.1	0.00
26/07/2022 01:10	0.8	298	3	1.2	0.00
26/07/2022 01:20	0.7	303	6	1.1	0.00
26/07/2022 01:30	0.1	343	10	0.6	0.00
26/07/2022 01:40	0.5	306	7	0.9	0.00
26/07/2022 01:50	0.6	307	6	1.2	0.00
26/07/2022 02:00	0.8	305	12	1.2	0.00
26/07/2022 02:10	0.3	219	33	0.8	0.00
26/07/2022 02:20	0.6	93	43	1.2	0.00
26/07/2022 02:30	1.2	97	12	1.6	0.00
26/07/2022 02:40	1.6	87	9	2.2	0.00
26/07/2022 02:50	1.6	89	9	2.3	0.00
26/07/2022 03:00	1.7	103	7	2.0	0.00





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/07/2022 03:10	1.9	103	7	2.4	0.00
26/07/2022 03:20	1.6	93	8	2.2	0.00
26/07/2022 03:30	2.0	95	11	2.8	0.00
26/07/2022 03:40	2.4	89	10	3.2	0.00
26/07/2022 03:50	3.2	92	10	4.1	0.00
26/07/2022 04:00	3.2	93	9	4.0	0.00
26/07/2022 04:10	3.1	95	8	4.3	0.00
26/07/2022 04:20	3.1	99	9	4.1	0.00
26/07/2022 04:30	3.8	103	9	4.9	0.00
26/07/2022 04:40	3.8	99	9	4.8	0.00
26/07/2022 04:50	3.7	98	8	5.0	0.00
26/07/2022 05:00	4.1	99	8	5.4	0.00
26/07/2022 05:10	4.3	99	10	6.4	0.00
26/07/2022 05:20	3.8	99	9	5.2	0.00
26/07/2022 05:30	4.3	100	11	5.6	0.00
26/07/2022 05:40	4.1	97	9	5.6	0.00
26/07/2022 05:50	4.2	101	11	6.3	0.00
26/07/2022 06:00	3.5	96	11	5.0	0.00
26/07/2022 06:10	3.7	90	11	5.2	0.00
26/07/2022 06:20	3.7	97	10	5.2	0.00
26/07/2022 06:30	3.6	99	9	4.9	0.00
26/07/2022 06:40	3.6	97	11	4.8	0.00
26/07/2022 06:50	3.5	100	11	5.2	0.00
26/07/2022 07:00	3.9	96	11	5.1	0.00
26/07/2022 07:10	4.2	98	11	5.6	0.00
26/07/2022 07:20	3.8	100	10	5.2	0.00
26/07/2022 07:30	3.8	97	11	5.5	0.00
26/07/2022 07:40	4.0	99	10	5.6	0.00
26/07/2022 07:50	4.4	99	12	5.8	0.00
26/07/2022 08:00	4.5	103	9	6.0	0.00
26/07/2022 08:10	4.9	103	11	6.4	0.00
26/07/2022 08:20	5.4	101	10	7.1	0.00
26/07/2022 08:30	4.6	101	10	5.9	0.00
26/07/2022 08:40	5.0	100	10	6.7	0.00
26/07/2022 08:50	4.8	98	11	6.2	0.00
26/07/2022 09:00	4.7	99	10	6.7	0.00
26/07/2022 09:10	5.2	97	11	7.0	0.00
26/07/2022 09:20	4.9	93	12	6.4	0.00
26/07/2022 09:30	5.1	95	12	6.8	0.00
26/07/2022 09:40	5.4	88	11	7.2	0.00
26/07/2022 09:50	5.9	89	12	7.8	0.00
26/07/2022 10:00	5.6	94	13	7.6	0.00
26/07/2022 10:10	5.4	97	12	7.3	0.00
26/07/2022 10:20	5.8	86	11	7.7	0.00
26/07/2022 10:30	5.6	94	11	7.4	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/07/2022 10:40	5.3	94	14	7.6	0.00
26/07/2022 10:50	5.7	88	13	8.0	0.00
26/07/2022 11:00	5.7	90	11	7.6	0.00
26/07/2022 11:10	5.7	89	10	8.0	0.00
26/07/2022 11:20	6.0	88	12	7.9	0.00
26/07/2022 11:30	6.1	88	12	8.2	0.00
26/07/2022 11:40	6.0	93	12	7.9	0.00
26/07/2022 11:50	5.4	88	13	7.5	0.00
26/07/2022 12:00	5.4	90	12	7.2	0.00
26/07/2022 12:10	5.2	86	13	7.3	0.00
26/07/2022 12:20	5.4	92	12	7.3	0.00
26/07/2022 12:30	5.2	93	13	7.3	0.00
26/07/2022 12:40	4.7	89	13	6.1	0.00
26/07/2022 12:50	4.8	83	9	6.4	0.00
26/07/2022 13:00	4.4	90	12	6.6	0.00
26/07/2022 13:10	4.7	101	14	6.2	0.00
26/07/2022 13:20	4.5	101	12	5.9	0.00
26/07/2022 13:30	4.0	98	15	5.4	0.00
26/07/2022 13:40	3.7	93	15	5.5	0.00
26/07/2022 13:50	3.4	92	15	5.2	0.00
26/07/2022 14:00	3.1	131	18	4.4	0.00
26/07/2022 14:10	2.9	130	17	4.4	0.00
26/07/2022 14:20	3.3	124	15	4.5	0.00
26/07/2022 14:30	3.0	110	17	4.2	0.00
26/07/2022 14:40	3.0	132	21	4.0	0.00
26/07/2022 14:50	3.1	105	13	4.3	0.00
26/07/2022 15:00	3.1	105	14	4.4	0.00
26/07/2022 15:10	2.7	117	18	4.7	0.00
26/07/2022 15:20	2.9	95	17	4.2	0.00
26/07/2022 15:30	2.8	98	16	4.2	0.00
26/07/2022 15:40	2.4	110	19	4.0	0.00
26/07/2022 15:50	2.4	88	19	3.7	0.00
26/07/2022 16:00	2.3	84	20	3.6	0.00
26/07/2022 16:10	2.4	85	18	3.6	0.00
26/07/2022 16:20	2.4	77	16	4.0	0.00
26/07/2022 16:30	2.5	80	15	3.4	0.00
26/07/2022 16:40	2.5	84	12	3.2	0.00
26/07/2022 16:50	2.1	94	14	3.1	0.00
26/07/2022 17:00	1.7	97	14	2.8	0.00
26/07/2022 17:10	1.9	92	14	2.6	0.00
26/07/2022 17:20	1.7	97	11	2.4	0.00
26/07/2022 17:30	1.7	95	10	2.4	0.00
26/07/2022 17:40	1.4	105	11	1.7	0.00
26/07/2022 17:50	1.2	99	11	1.6	0.00
26/07/2022 18:00	1.2	101	10	1.6	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/07/2022 18:10	0.8	48	13	1.2	0.00
26/07/2022 18:20	1.1	43	7	1.5	0.00
26/07/2022 18:30	1.3	42	5	1.5	0.00
26/07/2022 18:40	1.4	42	5	1.6	0.00
26/07/2022 18:50	1.2	42	5	1.4	0.00
26/07/2022 19:00	0.6	34	6	1.0	0.00
26/07/2022 19:10	0.1	332	0	0.4	0.00
26/07/2022 19:20	0.3	31	3	0.8	0.00
26/07/2022 19:30	0.8	30	6	1.1	0.00
26/07/2022 19:40	1.5	35	3	1.6	0.00
26/07/2022 19:50	1.7	34	4	1.8	0.00
26/07/2022 20:00	1.4	29	5	1.6	0.00
26/07/2022 20:10	0.7	277	24	1.1	0.00
26/07/2022 20:20	0.8	215	12	1.0	0.00
26/07/2022 20:30	0.6	278	16	0.8	0.00
26/07/2022 20:40	0.2	296	3	0.8	0.00
26/07/2022 20:50	0.4	303	3	0.9	0.00
26/07/2022 21:00	0.8	301	18	1.5	0.00
26/07/2022 21:10	0.4	239	7	1.0	0.00
26/07/2022 21:20	0.1	183	0	0.8	0.00
26/07/2022 21:30	0.7	311	14	1.0	0.00
26/07/2022 21:40	0.7	303	5	1.1	0.00
26/07/2022 21:50	0.5	308	6	1.0	0.00
26/07/2022 22:00	0.2	26	4	0.6	0.00
26/07/2022 22:10	0.6	174	16	0.8	0.00
26/07/2022 22:20	0.6	304	4	0.9	0.00
26/07/2022 22:30	0.2	301	2	1.1	0.00
26/07/2022 22:40	0.6	303	9	1.0	0.00
26/07/2022 22:50	0.8	21	25	1.2	0.00
26/07/2022 23:00	1.3	36	5	1.6	0.00
26/07/2022 23:10	0.1	33	2	0.6	0.00
26/07/2022 23:20	0.6	199	14	1.0	0.00
26/07/2022 23:30	0.7	37	14	1.2	0.00
26/07/2022 23:40	0.0	41	0	0.4	0.00
26/07/2022 23:50	0.5	36	4	0.9	0.00
27/07/2022 00:00	0.4	35	11	1.0	0.00
27/07/2022 00:10	0.3	52	8	0.8	0.00
27/07/2022 00:20	0.0	176	2	0.5	0.00
27/07/2022 00:30	0.0	180	1	0.6	0.00
27/07/2022 00:40	0.5	58	10	0.9	0.00
27/07/2022 00:50	0.1	133	14	0.7	0.00
27/07/2022 01:00	0.1	100	2	0.8	0.00
27/07/2022 01:10	0.7	91	12	1.1	0.00
27/07/2022 01:20	1.3	89	8	1.6	0.00
27/07/2022 01:30	1.3	93	12	1.8	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/07/2022 01:40	1.4	109	12	1.9	0.00
27/07/2022 01:50	1.6	119	8	2.0	0.00
27/07/2022 02:00	1.7	116	6	2.0	0.00
27/07/2022 02:10	1.7	98	11	2.5	0.00
27/07/2022 02:20	1.5	100	14	2.2	0.00
27/07/2022 02:30	2.2	91	9	2.9	0.00
27/07/2022 02:40	1.2	109	23	2.1	0.00
27/07/2022 02:50	0.8	130	22	1.6	0.00
27/07/2022 03:00	1.8	115	9	2.4	0.00
27/07/2022 03:10	1.3	119	18	1.9	0.00
27/07/2022 03:20	2.5	97	8	3.1	0.00
27/07/2022 03:30	2.7	96	10	3.3	0.00
27/07/2022 03:40	3.0	86	8	3.7	0.00
27/07/2022 03:50	2.3	93	11	3.1	0.00
27/07/2022 04:00	2.1	93	8	2.9	0.00
27/07/2022 04:10	1.7	88	8	2.3	0.00
27/07/2022 04:20	1.7	102	9	2.2	0.00
27/07/2022 04:30	2.5	87	10	3.3	0.00
27/07/2022 04:40	2.8	84	8	3.6	0.00
27/07/2022 04:50	1.7	96	11	2.4	0.00
27/07/2022 05:00	1.4	103	12	1.8	0.00
27/07/2022 05:10	1.5	104	19	2.1	0.00
27/07/2022 05:20	1.8	103	10	2.2	0.00
27/07/2022 05:30	1.5	108	10	2.0	0.00
27/07/2022 05:40	1.6	106	12	2.0	0.00
27/07/2022 05:50	1.7	107	12	2.5	0.00
27/07/2022 06:00	2.5	97	10	3.4	0.00
27/07/2022 06:10	2.6	99	10	3.2	0.00
27/07/2022 06:20	2.7	99	10	3.6	0.00
27/07/2022 06:30	2.7	96	9	3.7	0.00
27/07/2022 06:40	2.8	95	10	3.6	0.00
27/07/2022 06:50	2.6	96	9	3.3	0.00
27/07/2022 07:00	2.3	96	9	3.1	0.00
27/07/2022 07:10	2.6	92	8	3.2	0.00
27/07/2022 07:20	2.5	91	9	3.2	0.00
27/07/2022 07:30	2.7	88	8	3.4	0.00
27/07/2022 07:40	3.3	90	9	4.2	0.00
27/07/2022 07:50	3.0	87	9	3.9	0.00
27/07/2022 08:00	3.2	88	10	4.1	0.00
27/07/2022 08:10	3.2	88	11	4.0	0.00
27/07/2022 08:20	3.0	92	10	3.8	0.00
27/07/2022 08:30	3.3	95	10	4.7	0.00
27/07/2022 08:40	3.3	92	13	4.7	0.00
27/07/2022 08:50	3.4	93	14	4.7	0.00
27/07/2022 09:00	3.9	91	12	5.3	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/07/2022 09:10	3.7	99	14	5.4	0.00
27/07/2022 09:20	4.0	96	11	5.4	0.00
27/07/2022 09:30	4.2	97	11	5.7	0.00
27/07/2022 09:40	4.4	96	11	5.8	0.00
27/07/2022 09:50	4.6	100	12	6.2	0.00
27/07/2022 10:00	4.6	105	10	6.0	0.00
27/07/2022 10:10	4.5	104	10	6.0	0.00
27/07/2022 10:20	4.0	99	11	5.3	0.00
27/07/2022 10:30	4.2	88	11	5.7	0.00
27/07/2022 10:40	4.4	88	14	6.0	0.00
27/07/2022 10:50	4.9	81	12	7.0	0.00
27/07/2022 11:00	5.0	80	11	6.9	0.00
27/07/2022 11:10	5.3	79	10	7.6	0.00
27/07/2022 11:20	4.9	80	11	6.8	0.00
27/07/2022 11:30	4.4	75	12	6.4	0.00
27/07/2022 11:40	4.6	75	12	6.8	0.00
27/07/2022 11:50	5.0	76	13	6.7	0.00
27/07/2022 12:00	4.9	77	11	7.0	0.00
27/07/2022 12:10	4.9	81	11	6.8	0.00
27/07/2022 12:20	4.3	85	12	7.0	0.00
27/07/2022 12:30	5.1	78	12	6.4	0.00
27/07/2022 12:40	4.5	82	12	6.0	0.00
27/07/2022 12:50	4.9	86	11	6.8	0.00
27/07/2022 13:00	5.0	84	12	6.9	0.00
27/07/2022 13:10	4.7	85	11	6.4	0.00
27/07/2022 13:20	4.4	82	13	6.0	0.00
27/07/2022 13:30	4.8	79	11	6.8	0.00
27/07/2022 13:40	5.2	80	12	6.8	0.00
27/07/2022 13:50	5.5	80	10	7.9	0.00
27/07/2022 14:00	5.6	90	11	7.6	0.00
27/07/2022 14:10	5.9	86	12	7.8	0.00
27/07/2022 14:20	4.9	88	11	7.0	0.00
27/07/2022 14:30	5.0	85	12	6.5	0.00
27/07/2022 14:40	5.0	86	13	6.8	0.00
27/07/2022 14:50	5.2	80	12	6.9	0.00
27/07/2022 15:00	5.1	83	11	6.8	0.00
27/07/2022 15:10	4.5	83	10	6.0	0.00
27/07/2022 15:20	4.6	91	11	6.7	0.00
27/07/2022 15:30	5.2	84	12	6.7	0.00
27/07/2022 15:40	5.6	85	10	7.6	0.00
27/07/2022 15:50	5.4	82	10	7.3	0.00
27/07/2022 16:00	5.4	79	9	7.2	0.00
27/07/2022 16:10	5.2	86	11	7.2	0.00
27/07/2022 16:20	4.8	79	9	6.3	0.00
27/07/2022 16:30	4.9	87	11	6.3	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/07/2022 16:40	4.9	83	11	6.8	0.00
27/07/2022 16:50	5.0	83	11	6.5	0.00
27/07/2022 17:00	5.0	84	11	7.0	0.00
27/07/2022 17:10	4.8	82	8	6.4	0.00
27/07/2022 17:20	4.6	80	9	6.0	0.00
27/07/2022 17:30	4.4	79	11	6.0	0.00
27/07/2022 17:40	5.1	79	10	6.4	0.00
27/07/2022 17:50	5.0	78	9	6.5	0.00
27/07/2022 18:00	4.6	76	9	6.0	0.00
27/07/2022 18:10	4.4	78	9	5.9	0.00
27/07/2022 18:20	4.9	76	9	6.4	0.00
27/07/2022 18:30	4.8	75	8	6.3	0.00
27/07/2022 18:40	5.0	77	8	6.4	0.00
27/07/2022 18:50	4.7	78	11	6.4	0.00
27/07/2022 19:00	5.0	77	10	6.5	0.00
27/07/2022 19:10	4.7	72	9	6.1	0.00
27/07/2022 19:20	3.7	62	10	4.8	0.00
27/07/2022 19:30	3.6	62	10	4.6	0.00
27/07/2022 19:40	3.3	63	10	4.7	0.00
27/07/2022 19:50	3.5	64	10	5.2	0.00
27/07/2022 20:00	3.3	63	11	4.4	0.00
27/07/2022 20:10	2.9	64	11	4.0	0.00
27/07/2022 20:20	3.0	58	10	4.0	0.00
27/07/2022 20:30	3.1	58	10	4.4	0.00
27/07/2022 20:40	2.7	69	10	3.6	0.00
27/07/2022 20:50	2.5	84	9	3.4	0.00
27/07/2022 21:00	2.2	76	7	2.8	0.00
27/07/2022 21:10	1.7	81	8	2.2	0.00
27/07/2022 21:20	0.9	79	10	1.5	0.00
27/07/2022 21:30	1.3	61	5	1.6	0.00
27/07/2022 21:40	1.6	51	5	1.9	0.00
27/07/2022 21:50	1.4	51	6	1.7	0.00
27/07/2022 22:00	1.0	61	10	1.5	0.00
27/07/2022 22:10	1.5	77	22	2.4	0.00
27/07/2022 22:20	1.1	91	14	1.7	0.00
27/07/2022 22:30	1.4	80	12	1.8	0.00
27/07/2022 22:40	1.5	72	12	2.3	0.00
27/07/2022 22:50	0.8	74	17	1.6	0.00
27/07/2022 23:00	1.4	91	13	2.3	0.00
27/07/2022 23:10	1.7	54	15	2.6	0.00
27/07/2022 23:20	1.5	76	22	2.4	0.00
27/07/2022 23:30	1.7	43	14	2.4	0.00
27/07/2022 23:40	1.5	60	16	2.4	0.00
27/07/2022 23:50	1.4	56	13	2.0	0.00
28/07/2022 00:00	1.6	62	13	2.4	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/07/2022 00:10	1.8	51	8	2.3	0.00
28/07/2022 00:20	1.3	97	9	1.8	0.00
28/07/2022 00:30	1.7	88	11	2.3	0.00
28/07/2022 00:40	1.7	71	7	2.2	0.00
28/07/2022 00:50	0.7	50	12	1.2	0.00
28/07/2022 01:00	0.3	120	16	0.9	0.00
28/07/2022 01:10	0.6	189	4	0.9	0.00
28/07/2022 01:20	1.0	199	28	1.6	0.00
28/07/2022 01:30	1.0	120	20	1.4	0.00
28/07/2022 01:40	0.5	64	28	1.1	0.00
28/07/2022 01:50	1.3	52	17	2.0	0.00
28/07/2022 02:00	1.8	67	14	2.7	0.00
28/07/2022 02:10	2.2	79	13	3.2	0.00
28/07/2022 02:20	0.8	141	34	1.8	0.00
28/07/2022 02:30	0.5	181	19	1.1	0.00
28/07/2022 02:40	0.5	215	48	1.0	0.00
28/07/2022 02:50	0.4	301	17	1.0	0.00
28/07/2022 03:00	0.4	309	25	1.1	0.00
28/07/2022 03:10	0.8	301	31	1.6	0.00
28/07/2022 03:20	0.4	283	24	1.1	0.00
28/07/2022 03:30	0.7	197	30	1.2	0.00
28/07/2022 03:40	0.8	283	22	1.1	0.00
28/07/2022 03:50	0.5	225	18	1.2	0.00
28/07/2022 04:00	0.4	308	24	0.9	0.00
28/07/2022 04:10	0.9	225	37	2.0	0.00
28/07/2022 04:20	0.8	86	17	1.6	0.00
28/07/2022 04:30	0.6	66	41	1.7	0.00
28/07/2022 04:40	0.7	52	38	1.4	0.00
28/07/2022 04:50	0.8	70	43	1.8	0.00
28/07/2022 05:00	1.1	83	45	2.4	0.00
28/07/2022 05:10	2.1	90	18	3.4	0.00
28/07/2022 05:20	3.3	95	12	4.4	0.00
28/07/2022 05:30	2.4	91	11	3.5	0.00
28/07/2022 05:40	2.3	94	13	3.0	0.00
28/07/2022 05:50	1.7	73	15	2.4	0.00
28/07/2022 06:00	1.8	53	18	2.5	0.00
28/07/2022 06:10	1.3	52	25	2.5	0.00
28/07/2022 06:20	1.0	28	30	1.7	0.00
28/07/2022 06:30	1.1	182	31	2.0	0.00
28/07/2022 06:40	1.5	41	32	2.6	0.00
28/07/2022 06:50	2.0	56	17	2.8	0.00
28/07/2022 07:00	1.7	46	16	2.6	0.00
28/07/2022 07:10	1.8	70	10	2.5	0.00
28/07/2022 07:20	2.2	89	12	2.8	0.00
28/07/2022 07:30	3.0	90	9	4.3	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/07/2022 07:40	2.8	94	11	3.7	0.00
28/07/2022 07:50	3.5	94	10	4.7	0.00
28/07/2022 08:00	3.6	91	9	5.1	0.00
28/07/2022 08:10	5.2	85	10	6.5	0.00
28/07/2022 08:20	4.8	92	10	7.0	0.00
28/07/2022 08:30	4.9	92	10	6.5	0.00
28/07/2022 08:40	5.6	86	9	7.5	0.00
28/07/2022 08:50	5.7	89	10	7.6	0.00
28/07/2022 09:00	5.8	90	11	8.2	0.00
28/07/2022 09:10	5.8	90	11	8.1	0.00
28/07/2022 09:20	6.0	91	10	7.7	0.00
28/07/2022 09:30	5.8	93	11	7.7	0.00
28/07/2022 09:40	6.4	91	11	8.7	0.00
28/07/2022 09:50	6.7	89	11	8.6	0.00
28/07/2022 10:00	6.4	92	10	8.8	0.00
28/07/2022 10:10	6.0	88	11	9.3	0.00
28/07/2022 10:20	6.3	89	13	8.6	0.00
28/07/2022 10:30	5.8	91	10	8.2	
28/07/2022 10:40	6.4	94	11	8.6	
28/07/2022 10:50	6.0	93	11	8.3	
28/07/2022 11:00	5.7	90	12	7.2	
28/07/2022 11:10	5.6	94	10	7.5	
28/07/2022 11:20	5.5	94	13	7.5	
28/07/2022 11:30	5.4	89	12	7.5	
28/07/2022 11:40	4.9	85	13	6.4	
28/07/2022 11:50	5.0	87	12	6.4	
28/07/2022 12:00	5.2	78	11	7.5	0.00
28/07/2022 12:10	4.9	69	12	7.2	0.00
28/07/2022 12:20	5.3	75	12	7.2	0.00
28/07/2022 12:30	5.1	79	13	7.0	0.00
28/07/2022 12:40	5.2	92	11	6.7	0.00
28/07/2022 12:50	5.5	90	10	6.9	0.00
28/07/2022 13:00	5.4	90	11	7.0	0.00
28/07/2022 13:10	5.0	94	12	6.8	0.00
28/07/2022 13:20	5.0	92	13	6.5	0.00
28/07/2022 13:30	4.8	90	13	6.1	0.00
28/07/2022 13:40	4.7	85	12	6.4	0.00
28/07/2022 13:50	5.2	84	12	6.6	0.00
28/07/2022 14:00	4.8	79	12	6.1	0.00
28/07/2022 14:10	5.5	66	13	7.8	0.00
28/07/2022 14:20	5.7	73	11	7.5	0.00
28/07/2022 14:30	5.9	71	11	8.0	0.00
28/07/2022 14:40	4.7	71	15	6.5	0.00
28/07/2022 14:50	4.2	87	13	6.2	0.00
28/07/2022 15:00	4.6	84	10	6.3	0.00





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/07/2022 15:10	4.5	91	13	5.9	0.00
28/07/2022 15:20	4.6	93	14	6.3	0.00
28/07/2022 15:30	4.9	89	11	6.6	0.00
28/07/2022 15:40	4.6	89	11	6.2	0.00
28/07/2022 15:50	4.6	86	11	6.1	0.00
28/07/2022 16:00	4.7	82	12	6.8	0.00
28/07/2022 16:10	4.4	70	16	5.7	0.00
28/07/2022 16:20	4.7	76	12	6.3	0.00
28/07/2022 16:30	4.7	78	12	6.0	0.00
28/07/2022 16:40	4.2	74	12	5.9	0.00
28/07/2022 16:50	4.3	71	10	5.4	0.00
28/07/2022 17:00	3.7	88	15	5.2	0.00
28/07/2022 17:10	3.9	88	11	5.0	0.00
28/07/2022 17:20	3.4	102	13	4.4	0.00
28/07/2022 17:30	3.5	95	11	4.8	0.00
28/07/2022 17:40	3.5	89	11	4.9	0.00
28/07/2022 17:50	3.1	90	12	4.2	0.00
28/07/2022 18:00	3.3	87	10	4.4	0.00
28/07/2022 18:10	3.2	87	10	4.3	0.00
28/07/2022 18:20	2.9	90	10	4.0	0.00
28/07/2022 18:30	3.0	86	10	3.9	0.00
28/07/2022 18:40	3.3	81	9	4.3	0.00
28/07/2022 18:50	3.5	88	9	4.5	0.00
28/07/2022 19:00	3.2	86	9	4.0	0.00
28/07/2022 19:10	3.1	85	9	4.1	0.00
28/07/2022 19:20	3.0	85	9	4.1	0.00
28/07/2022 19:30	2.2	87	11	3.2	0.00
28/07/2022 19:40	2.2	80	9	3.3	0.00
28/07/2022 19:50	3.0	74	9	4.0	0.00
28/07/2022 20:00	2.8	72	10	4.0	0.00
28/07/2022 20:10	2.7	61	12	3.8	0.00
28/07/2022 20:20	2.6	72	11	3.4	0.00
28/07/2022 20:30	2.1	68	10	2.8	0.00
28/07/2022 20:40	1.8	57	10	2.4	0.00
28/07/2022 20:50	2.0	57	10	2.9	0.00
28/07/2022 21:00	2.0	51	11	2.8	0.00
28/07/2022 21:10	1.8	41	10	2.2	0.00
28/07/2022 21:20	1.5	56	14	2.0	0.00
28/07/2022 21:30	0.8	186	25	1.3	0.00
28/07/2022 21:40	0.4	246	9	1.1	0.00
28/07/2022 21:50	0.3	221	14	0.8	0.00
28/07/2022 22:00	0.5	269	27	0.9	0.00
28/07/2022 22:10	0.6	254	12	0.9	0.00
28/07/2022 22:20	0.7	255	16	1.1	0.00
28/07/2022 22:30	0.5	223	9	1.0	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/07/2022 22:40	0.8	274	13	1.1	0.00
28/07/2022 22:50	0.2	146	13	0.8	0.00
28/07/2022 23:00	0.5	10	3	1.0	0.00
28/07/2022 23:10	1.5	44	7	1.9	0.00
28/07/2022 23:20	0.7	67	4	1.2	0.00
28/07/2022 23:30	0.6	96	13	1.0	0.00
28/07/2022 23:40	0.4	63	10	0.8	0.00
28/07/2022 23:50	1.2	140	22	1.9	0.00
29/07/2022 00:00	0.9	85	16	1.3	0.00
29/07/2022 00:10	1.0	123	11	1.6	0.00
29/07/2022 00:20	1.3	86	16	1.8	0.00
29/07/2022 00:30	0.9	114	17	1.6	0.00
29/07/2022 00:40	0.6	89	23	1.2	0.00
29/07/2022 00:50	1.4	107	16	2.3	0.00
29/07/2022 01:00	1.3	96	21	2.0	0.00
29/07/2022 01:10	1.6	55	14	2.4	0.00
29/07/2022 01:20	1.0	67	25	2.0	0.00
29/07/2022 01:30	0.5	94	20	1.2	0.00
29/07/2022 01:40	1.0	63	49	1.5	0.00
29/07/2022 01:50	0.6	316	24	1.2	0.00
29/07/2022 02:00	0.2	68	19	0.6	0.00
29/07/2022 02:10	0.4	304	8	0.8	0.00
29/07/2022 02:20	0.2	326	11	0.8	0.00
29/07/2022 02:30	0.3	268	8	0.8	0.00
29/07/2022 02:40	0.0	144	1	0.4	0.00
29/07/2022 02:50	0.5	107	7	0.9	0.00
29/07/2022 03:00	0.0	292	0	0.4	0.00
29/07/2022 03:10	0.2	36	10	0.8	0.00
29/07/2022 03:20	0.3	102	9	0.6	0.00
29/07/2022 03:30	0.7	113	10	1.3	0.00
29/07/2022 03:40	0.4	163	10	1.2	0.00
29/07/2022 03:50	0.4	95	7	0.9	0.00
29/07/2022 04:00	0.3	315	12	0.8	0.00
29/07/2022 04:10					0.00
29/07/2022 04:20	0.4	91	9	0.9	0.00
29/07/2022 04:30	0.9	110	13	1.4	0.00
29/07/2022 04:40	1.7	96	9	2.2	0.00
29/07/2022 04:50	1.5	96	11	2.0	0.00
29/07/2022 05:00	1.4	103	12	2.0	0.00
29/07/2022 05:10	1.3	93	12	2.0	0.00
29/07/2022 05:20	1.2	108	18	1.6	0.00
29/07/2022 05:30	0.0	159	0	0.6	0.00
29/07/2022 05:40	0.6	67	12	1.2	0.00
29/07/2022 05:50	0.8	88	17	1.5	0.00
29/07/2022 06:00	0.9	86	16	1.8	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/07/2022 06:10	0.9	79	47	2.0	0.00
29/07/2022 06:20	0.6	201	20	1.2	0.00
29/07/2022 06:30	0.6	213	31	1.2	0.00
29/07/2022 06:40	1.1	101	13	1.8	0.00
29/07/2022 06:50	2.3	91	14	3.3	0.00
29/07/2022 07:00	2.7	96	10	3.6	0.00
29/07/2022 07:10	2.8	94	10	3.9	0.00
29/07/2022 07:20	2.9	92	8	3.7	0.00
29/07/2022 07:30	2.8	94	11	3.6	0.00
29/07/2022 07:40	2.5	100	10	3.2	0.00
29/07/2022 07:50	1.9	110	9	2.5	0.00
29/07/2022 08:00	2.3	111	10	3.3	0.00
29/07/2022 08:10	2.4	99	9	3.2	0.00
29/07/2022 08:20	2.7	99	10	3.4	0.00
29/07/2022 08:30	2.9	98	10	3.6	0.00
29/07/2022 08:40	2.9	91	10	3.8	0.00
29/07/2022 08:50	3.1	91	10	4.1	0.00
29/07/2022 09:00	3.3	91	12	4.3	0.00
29/07/2022 09:10	3.8	92	9	5.4	0.00
29/07/2022 09:20	3.6	101	11	4.9	0.00
29/07/2022 09:30	4.1	102	10	5.4	0.00
29/07/2022 09:40	4.5	101	8	5.9	0.00
29/07/2022 09:50	4.4	102	10	5.6	0.00
29/07/2022 10:00	4.4	105	10	6.1	0.00
29/07/2022 10:10	4.3	108	12	5.7	0.00
29/07/2022 10:20	4.3	101	11	5.5	0.00
29/07/2022 10:30	4.6	94	13	6.0	0.00
29/07/2022 10:40	4.9	92	11	6.6	0.00
29/07/2022 10:50	4.8	87	12	6.6	0.00
29/07/2022 11:00	4.4	90	13	6.2	0.00
29/07/2022 11:10	4.9	85	11	6.2	0.00
29/07/2022 11:20	5.2	85	12	6.8	0.00
29/07/2022 11:30	5.1	87	13	6.7	0.00
29/07/2022 11:40	4.9	87	14	6.5	0.00
29/07/2022 11:50	5.1	94	12	6.6	0.00
29/07/2022 12:00	4.8	97	9	6.2	0.00
29/07/2022 12:10	4.4	96	12	6.0	0.00
29/07/2022 12:20	4.4	96	12	5.3	0.00
29/07/2022 12:30	4.4	87	12	5.8	0.00
29/07/2022 12:40	4.3	92	12	6.0	0.00
29/07/2022 12:50	4.4	84	12	5.9	0.00
29/07/2022 13:00	4.2	90	12	5.5	0.00
29/07/2022 13:10	4.3	88	13	6.1	0.00
29/07/2022 13:20	4.6	85	11	6.0	0.00
29/07/2022 13:30	4.6	81	11	5.7	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/07/2022 13:40	4.7	78	10	6.2	0.00
29/07/2022 13:50	4.8	83	12	6.2	0.00
29/07/2022 14:00	4.7	85	13	6.3	0.00
29/07/2022 14:10	4.6	84	10	6.1	0.00
29/07/2022 14:20	4.6	88	9	5.8	0.00
29/07/2022 14:30	4.3	83	9	5.8	0.00
29/07/2022 14:40	4.3	83	11	5.5	0.00
29/07/2022 14:50	3.9	85	11	5.4	0.00
29/07/2022 15:00	4.0	90	11	5.2	0.00
29/07/2022 15:10	4.0	87	11	4.9	0.00
29/07/2022 15:20	3.9	89	12	5.2	0.00
29/07/2022 15:30	4.1	78	12	5.2	0.00
29/07/2022 15:40	4.3	75	11	5.2	0.00
29/07/2022 15:50	4.4	73	10	5.4	0.00
29/07/2022 16:00	4.1	73	9	5.2	0.00
29/07/2022 16:10	4.0	86	11	5.2	0.00
29/07/2022 16:20	3.6	81	10	4.5	0.00
29/07/2022 16:30	3.3	78	12	4.3	0.00
29/07/2022 16:40	2.8	75	13	4.0	0.00
29/07/2022 16:50	2.1	49	14	3.1	0.00
29/07/2022 17:00	1.9	31	20	2.7	0.00
29/07/2022 17:10	1.4	14	14	2.4	0.00
29/07/2022 17:20	1.6	11	14	2.3	0.00
29/07/2022 17:30	1.3	15	22	2.1	0.00
29/07/2022 17:40	1.3	8	21	2.1	0.00
29/07/2022 17:50	1.3	13	20	2.2	0.00
29/07/2022 18:00	1.9	12	14	2.6	0.00
29/07/2022 18:10	1.8	22	13	2.5	0.00
29/07/2022 18:20	1.8	27	13	2.5	0.00
29/07/2022 18:30	1.4	19	18	2.0	0.00
29/07/2022 18:40	1.5	5	16	2.0	0.00
29/07/2022 18:50	1.9	5	14	2.4	0.00
29/07/2022 19:00	1.6	176	16	2.2	0.00
29/07/2022 19:10	1.4	177	18	2.4	0.00
29/07/2022 19:20	1.5	30	14	2.4	0.00
29/07/2022 19:30	1.0	169	43	1.6	0.00
29/07/2022 19:40	0.6	260	19	1.1	0.00
29/07/2022 19:50	0.8	312	28	1.6	0.00
29/07/2022 20:00	1.4	315	23	2.4	0.00
29/07/2022 20:10	1.2	325	23	2.2	0.00
29/07/2022 20:20	1.0	334	25	1.7	0.00
29/07/2022 20:30	0.9	179	23	1.5	0.00
29/07/2022 20:40	0.4	293	28	0.8	0.00
29/07/2022 20:50	0.6	257	14	0.9	0.00
29/07/2022 21:00	0.7	305	25	1.2	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/07/2022 21:10	1.3	336	16	1.7	0.00
29/07/2022 21:20	1.1	273	29	1.5	0.00
29/07/2022 21:30	0.2	298	4	0.9	0.00
29/07/2022 21:40	0.6	258	19	1.1	0.00
29/07/2022 21:50	0.5	277	12	0.8	0.00
29/07/2022 22:00	0.3	240	10	0.8	0.00
29/07/2022 22:10	0.2	251	8	0.6	0.00
29/07/2022 22:20					0.00
29/07/2022 22:30	0.4	275	17	1.1	0.00
29/07/2022 22:40	0.6	289	17	1.1	0.00
29/07/2022 22:50	0.4	239	8	0.8	0.00
29/07/2022 23:00	0.4	230	6	1.0	0.00
29/07/2022 23:10	0.3	83	4	0.9	0.00
29/07/2022 23:20	0.3	100	5	0.9	0.00
29/07/2022 23:30					0.00
29/07/2022 23:40	0.0	295	1	0.8	0.00
29/07/2022 23:50	0.7	297	10	1.0	0.00
30/07/2022 00:00	0.3	329	8	0.8	0.00
30/07/2022 00:10	0.4	308	17	0.8	0.00
30/07/2022 00:20	0.2	241	11	0.8	0.00
30/07/2022 00:30	1.3	239	11	1.9	0.00
30/07/2022 00:40	1.7	243	8	2.1	0.00
30/07/2022 00:50	1.3	240	10	1.9	0.00
30/07/2022 01:00	1.5	241	9	2.0	0.00
30/07/2022 01:10	1.1	237	10	1.7	0.00
30/07/2022 01:20	1.0	241	6	1.3	0.00
30/07/2022 01:30	1.3	255	8	1.8	0.00
30/07/2022 01:40	1.8	246	9	2.4	0.00
30/07/2022 01:50	1.9	256	8	2.3	0.00
30/07/2022 02:00	2.1	252	9	2.7	0.00
30/07/2022 02:10	1.8	256	8	2.3	0.00
30/07/2022 02:20	1.4	258	9	1.8	0.00
30/07/2022 02:30	1.7	264	9	2.0	0.00
30/07/2022 02:40	1.7	265	8	2.2	0.00
30/07/2022 02:50	1.8	263	7	2.0	0.00
30/07/2022 03:00	1.2	278	7	1.4	0.00
30/07/2022 03:10	0.7	307	12	1.2	0.00
30/07/2022 03:20	1.3	271	9	1.6	0.00
30/07/2022 03:30	1.2	275	8	1.6	0.00
30/07/2022 03:40	1.5	274	8	1.9	0.00
30/07/2022 03:50	1.0	290	7	1.3	0.00
30/07/2022 04:00	1.1	276	10	1.4	0.00
30/07/2022 04:10	1.1	290	4	1.2	0.00
30/07/2022 04:20	1.1	289	5	1.4	0.00
30/07/2022 04:30	1.3	282	7	1.5	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/07/2022 04:40	1.4	274	8	1.7	0.00
30/07/2022 04:50	1.3	270	7	1.6	0.00
30/07/2022 05:00	1.3	262	6	1.6	0.00
30/07/2022 05:10	0.5	161	10	1.2	0.00
30/07/2022 05:20	1.7	38	7	2.2	0.00
30/07/2022 05:30	1.3	33	14	1.6	0.00
30/07/2022 05:40	0.8	307	6	1.1	0.00
30/07/2022 05:50	0.1	302	7	0.7	0.00
30/07/2022 06:00	0.2	301	1	0.7	0.00
30/07/2022 06:10	0.6	329	10	0.9	0.00
30/07/2022 06:20	0.8	316	20	1.2	0.00
30/07/2022 06:30	0.9	313	10	1.2	0.00
30/07/2022 06:40	0.5	297	6	1.1	0.00
30/07/2022 06:50	0.4	179	10	1.0	0.00
30/07/2022 07:00	0.9	33	8	1.3	0.00
30/07/2022 07:10	1.2	52	12	1.6	0.00
30/07/2022 07:20	1.6	70	16	2.3	0.00
30/07/2022 07:30	1.2	74	20	1.9	0.00
30/07/2022 07:40	1.4	70	18	2.0	0.00
30/07/2022 07:50	1.4	81	16	2.4	0.00
30/07/2022 08:00	1.8	83	16	3.0	0.00
30/07/2022 08:10	1.5	93	16	2.4	0.00
30/07/2022 08:20	1.3	100	20	2.0	0.00
30/07/2022 08:30	1.6	87	16	2.4	0.00
30/07/2022 08:40	2.2	100	13	3.0	0.00
30/07/2022 08:50	2.3	88	10	3.1	0.00
30/07/2022 09:00	2.2	99	12	3.0	0.00
30/07/2022 09:10	2.4	96	14	3.3	0.00
30/07/2022 09:20	2.5	87	13	3.4	0.00
30/07/2022 09:30	2.8	93	15	3.6	0.00
30/07/2022 09:40	3.0	99	15	4.0	0.00
30/07/2022 09:50	3.5	87	12	4.5	0.00
30/07/2022 10:00	3.6	92	13	4.8	0.00
30/07/2022 10:10	2.8	98	16	3.8	0.00
30/07/2022 10:20	2.9	89	14	4.3	0.00
30/07/2022 10:30	2.7	101	15	3.6	0.00
30/07/2022 10:40	3.3	103	13	4.2	0.00
30/07/2022 10:50	3.6	90	13	4.8	0.00
30/07/2022 11:00	3.2	88	15	4.4	0.00
30/07/2022 11:10	3.3	83	12	4.5	0.00
30/07/2022 11:20	3.4	84	13	4.4	0.00
30/07/2022 11:30	2.9	83	17	3.9	0.00
30/07/2022 11:40	3.0	85	16	4.1	0.00
30/07/2022 11:50	2.8	86	13	3.8	0.00
30/07/2022 12:00	2.4	76	18	3.6	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/07/2022 12:10	2.9	83	13	4.3	0.00
30/07/2022 12:20	3.0	88	11	4.2	0.00
30/07/2022 12:30	3.1	88	15	4.4	0.00
30/07/2022 12:40	3.0	85	14	4.0	0.00
30/07/2022 12:50	2.7	106	17	3.6	0.00
30/07/2022 13:00	3.0	83	17	4.2	0.00
30/07/2022 13:10	3.1	84	18	4.0	0.00
30/07/2022 13:20	3.1	92	13	4.0	0.00
30/07/2022 13:30	2.5	80	18	3.5	0.00
30/07/2022 13:40	2.5	76	17	3.7	0.00
30/07/2022 13:50	2.4	59	22	3.3	0.00
30/07/2022 14:00	2.0	59	18	3.2	0.00
30/07/2022 14:10	2.2	74	36	3.8	0.00
30/07/2022 14:20	2.0	17	36	3.2	0.00
30/07/2022 14:30	2.0	179	24	2.9	0.00
30/07/2022 14:40	2.1	349	26	3.6	0.00
30/07/2022 14:50	2.9	297	20	4.3	0.00
30/07/2022 15:00	2.3	320	39	3.6	0.00
30/07/2022 15:10	2.0	8	27	3.3	0.00
30/07/2022 15:20	1.8	178	24	2.6	0.00
30/07/2022 15:30	1.9	327	29	3.3	0.00
30/07/2022 15:40	2.8	299	19	3.9	0.00
30/07/2022 15:50	2.6	287	15	3.6	0.00
30/07/2022 16:00	2.4	279	19	3.7	0.00
30/07/2022 16:10	2.0	301	20	3.1	0.00
30/07/2022 16:20	1.5	304	20	2.5	0.00
30/07/2022 16:30	2.5	293	14	3.5	0.00
30/07/2022 16:40	2.1	312	16	3.0	0.00
30/07/2022 16:50	2.4	295	13	3.4	0.00
30/07/2022 17:00	2.2	296	10	3.0	0.00
30/07/2022 17:10	2.3	292	13	2.8	0.00
30/07/2022 17:20	1.7	310	25	3.1	0.00
30/07/2022 17:30	2.1	296	18	2.8	0.00
30/07/2022 17:40	2.4	287	14	3.2	0.00
30/07/2022 17:50	2.2	277	15	3.0	0.00
30/07/2022 18:00	2.3	264	14	3.3	0.00
30/07/2022 18:10	2.2	276	14	2.8	0.00
30/07/2022 18:20	2.1	288	13	2.8	0.00
30/07/2022 18:30	1.7	323	19	2.8	0.00
30/07/2022 18:40	2.0	324	19	2.8	0.00
30/07/2022 18:50	1.6	306	23	2.5	0.00
30/07/2022 19:00	1.9	283	16	2.8	0.00
30/07/2022 19:10	2.0	287	19	3.2	0.00
30/07/2022 19:20	2.0	280	19	2.8	0.00
30/07/2022 19:30	1.6	312	31	2.4	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/07/2022 19:40	1.9	318	17	3.0	0.00
30/07/2022 19:50	1.8	294	17	2.6	0.00
30/07/2022 20:00	2.1	285	19	3.1	0.00
30/07/2022 20:10	1.8	295	20	2.8	0.00
30/07/2022 20:20	1.6	278	23	2.6	0.00
30/07/2022 20:30	1.1	285	20	1.6	0.00
30/07/2022 20:40	1.1	276	19	1.7	0.00
30/07/2022 20:50	1.6	251	13	2.3	0.00
30/07/2022 21:00	1.7	257	10	2.2	0.00
30/07/2022 21:10	2.1	249	10	2.8	0.00
30/07/2022 21:20	2.3	257	9	2.8	0.00
30/07/2022 21:30	1.8	261	12	2.5	0.00
30/07/2022 21:40	2.1	242	11	3.1	0.00
30/07/2022 21:50	2.0	243	11	3.2	0.00
30/07/2022 22:00	2.6	253	11	3.2	0.00
30/07/2022 22:10	2.8	255	9	3.5	0.00
30/07/2022 22:20	2.6	252	11	3.6	0.00
30/07/2022 22:30	2.6	254	10	3.4	0.00
30/07/2022 22:40	2.6	249	10	3.2	0.00
30/07/2022 22:50	2.0	256	10	2.8	0.00
30/07/2022 23:00	2.5	259	9	3.5	0.00
30/07/2022 23:10	2.7	258	11	3.5	0.00
30/07/2022 23:20	2.8	250	11	3.7	0.00
30/07/2022 23:30	2.7	250	10	3.7	0.00
30/07/2022 23:40	3.0	253	10	4.0	0.00
30/07/2022 23:50	2.6	254	10	3.2	0.00
31/07/2022 00:00	2.7	251	10	3.5	0.00
31/07/2022 00:10	2.2	245	12	3.5	0.00
31/07/2022 00:20	2.2	236	12	3.2	0.00
31/07/2022 00:30	2.2	242	12	3.0	0.00
31/07/2022 00:40	2.1	246	11	2.7	0.00
31/07/2022 00:50	2.3	239	12	3.0	0.00
31/07/2022 01:00	2.1	244	11	3.2	0.00
31/07/2022 01:10	2.1	236	13	2.8	0.00
31/07/2022 01:20	2.6	237	11	3.4	0.00
31/07/2022 01:30	2.1	240	12	2.9	0.00
31/07/2022 01:40	1.8	242	11	2.4	0.00
31/07/2022 01:50	1.6	241	14	2.5	0.00
31/07/2022 02:00	1.5	235	13	2.1	0.00
31/07/2022 02:10	1.6	238	16	2.4	0.00
31/07/2022 02:20	0.3	224	17	1.1	0.00
31/07/2022 02:30					0.00
31/07/2022 02:40	0.4	341	26	0.8	0.00
31/07/2022 02:50	0.5	304	20	0.9	0.00
31/07/2022 03:00	0.5	228	61	1.0	0.00





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/07/2022 03:10	0.4	275	30	0.9	0.00
31/07/2022 03:20	0.3	73	14	0.6	0.00
31/07/2022 03:30	0.6	155	29	1.6	0.00
31/07/2022 03:40	0.4	176	22	1.0	0.00
31/07/2022 03:50	0.5	122	14	1.2	0.00
31/07/2022 04:00	0.3	125	21	0.8	0.00
31/07/2022 04:10	0.3	58	12	0.9	0.00
31/07/2022 04:20	0.6	357	24	0.8	0.00
31/07/2022 04:30	0.5	59	17	0.9	0.00
31/07/2022 04:40	0.6	105	10	1.2	0.00
31/07/2022 04:50	1.0	96	11	1.5	0.00
31/07/2022 05:00	1.1	96	13	1.9	0.00
31/07/2022 05:10	2.0	107	8	2.6	0.00
31/07/2022 05:20	2.6	86	9	3.4	0.00
31/07/2022 05:30	2.9	87	10	4.0	0.00
31/07/2022 05:40	2.8	90	10	3.6	0.00
31/07/2022 05:50	2.9	88	10	3.8	0.00
31/07/2022 06:00	3.3	85	10	4.3	0.00
31/07/2022 06:10	3.6	83	9	4.7	0.00
31/07/2022 06:20	3.6	84	8	4.6	0.00
31/07/2022 06:30	3.3	82	10	4.7	0.00
31/07/2022 06:40	3.3	81	10	4.6	0.00
31/07/2022 06:50	3.2	83	9	4.2	0.00
31/07/2022 07:00	3.5	87	10	4.5	0.00
31/07/2022 07:10	3.2	86	9	4.6	0.00
31/07/2022 07:20	3.2	89	10	4.4	0.00
31/07/2022 07:30	3.3	91	10	4.6	0.00
31/07/2022 07:40	3.6	94	10	4.8	0.00
31/07/2022 07:50	4.6	88	11	6.7	0.00
31/07/2022 08:00	5.2	86	11	7.7	0.00
31/07/2022 08:10	5.8	90	11	8.3	0.00
31/07/2022 08:20	6.0	93	12	8.1	0.00
31/07/2022 08:30	6.4	90	12	8.6	0.00
31/07/2022 08:40	6.9	90	11	9.1	0.00
31/07/2022 08:50	6.6	94	11	9.3	0.00
31/07/2022 09:00	6.1	89	11	8.3	0.00
31/07/2022 09:10	6.1	89	10	9.0	0.00
31/07/2022 09:20	6.4	88	11	8.8	0.00
31/07/2022 09:30	6.3	92	13	9.0	0.00
31/07/2022 09:40	6.8	88	12	8.7	0.00
31/07/2022 09:50	6.2	95	13	8.3	0.00
31/07/2022 10:00	6.3	93	11	9.1	0.00
31/07/2022 10:10	5.8	90	13	8.3	0.00
31/07/2022 10:20	6.5	85	12	8.3	0.00
31/07/2022 10:30	6.4	89	13	8.7	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/07/2022 10:40	6.6	86	12	8.6	0.00
31/07/2022 10:50	7.0	90	11	9.1	0.00
31/07/2022 11:00	6.8	93	13	9.4	0.00
31/07/2022 11:10	6.8	89	11	9.9	0.00
31/07/2022 11:20	6.4	89	12	8.6	0.00
31/07/2022 11:30	6.2	92	11	8.3	0.00
31/07/2022 11:40	6.3	84	12	8.5	0.00
31/07/2022 11:50	6.6	82	10	9.0	0.00
31/07/2022 12:00	6.9	80	9	8.7	0.00
31/07/2022 12:10	7.1	84	10	9.9	0.00
31/07/2022 12:20	6.6	85	11	8.7	0.00
31/07/2022 12:30	6.6	87	12	8.8	0.00
31/07/2022 12:40	6.6	86	12	8.6	0.00
31/07/2022 12:50	6.7	87	11	9.1	0.00
31/07/2022 13:00	6.6	87	11	9.0	0.00
31/07/2022 13:10	6.4	90	12	8.3	0.00
31/07/2022 13:20	6.4	86	12	8.9	0.00
31/07/2022 13:30	6.5	80	12	9.1	0.00
31/07/2022 13:40	6.2	82	12	8.1	0.00
31/07/2022 13:50	6.1	71	11	8.8	0.00
31/07/2022 14:00	7.0	74	11	9.5	0.00
31/07/2022 14:10	6.3	69	12	8.1	0.00
31/07/2022 14:20	5.8	68	14	8.0	0.00
31/07/2022 14:30	5.7	63	12	8.3	0.00
31/07/2022 14:40	5.9	71	14	7.6	0.00
31/07/2022 14:50	5.5	71	13	7.5	0.00
31/07/2022 15:00	5.8	63	13	8.7	0.00
31/07/2022 15:10	6.2	65	12	8.3	0.00
31/07/2022 15:20	5.6	65	11	7.6	0.00
31/07/2022 15:30	5.4	68	12	7.3	0.00
31/07/2022 15:40	5.3	65	13	7.4	0.00
31/07/2022 15:50	5.5	70	12	7.3	0.00
31/07/2022 16:00	5.3	69	12	7.3	0.00
31/07/2022 16:10	5.1	60	12	6.5	0.00
31/07/2022 16:20	4.6	50	14	6.2	0.00
31/07/2022 16:30	4.4	46	14	6.3	0.00
31/07/2022 16:40	4.7	43	13	6.3	0.00
31/07/2022 16:50	4.6	47	13	6.2	0.00
31/07/2022 17:00	4.4	45	12	6.0	0.00
31/07/2022 17:10	4.2	53	14	5.7	0.00
31/07/2022 17:20	3.8	64	13	5.8	0.00
31/07/2022 17:30	4.1	69	11	5.3	0.00
31/07/2022 17:40	3.7	64	12	5.2	0.00
31/07/2022 17:50	3.9	60	11	5.1	0.00
31/07/2022 18:00	3.8	61	12	5.0	0.00



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/07/2022 18:10	3.9	64	10	5.2	0.00
31/07/2022 18:20	3.8	64	11	5.2	0.00
31/07/2022 18:30	3.2	65	10	4.4	0.00
31/07/2022 18:40	2.7	61	9	3.9	0.00
31/07/2022 18:50	3.1	59	12	4.3	0.00
31/07/2022 19:00	3.1	63	11	4.4	0.00
31/07/2022 19:10	2.9	66	10	4.0	0.00
31/07/2022 19:20	2.9	58	11	4.4	0.00
31/07/2022 19:30	3.6	54	10	4.9	0.00
31/07/2022 19:40	3.4	51	12	4.7	0.00
31/07/2022 19:50	3.5	52	12	4.4	0.00
31/07/2022 20:00	3.1	53	11	4.1	0.00
31/07/2022 20:10	2.6	43	14	3.6	0.00
31/07/2022 20:20	2.6	43	14	3.7	0.00
31/07/2022 20:30	2.5	37	13	3.5	0.00
31/07/2022 20:40	2.1	29	16	3.2	0.00
31/07/2022 20:50	2.1	35	12	3.1	0.00
31/07/2022 21:00	2.6	37	13	3.6	0.00
31/07/2022 21:10	1.9	22	19	2.9	0.00
31/07/2022 21:20	2.3	13	19	3.5	0.00
31/07/2022 21:30	2.1	11	18	3.3	0.00
31/07/2022 21:40	2.1	15	19	3.1	0.00
31/07/2022 21:50	2.1	28	23	3.5	0.00
31/07/2022 22:00	0.9	47	34	1.5	0.00
31/07/2022 22:10	1.3	62	15	2.4	0.00
31/07/2022 22:20	1.3	60	19	1.9	0.00
31/07/2022 22:30	1.2	51	27	2.2	0.00
31/07/2022 22:40	1.3	52	25	2.4	0.00
31/07/2022 22:50	0.6	112	36	1.3	0.00
31/07/2022 23:00	1.3	101	15	1.7	0.00
31/07/2022 23:10	1.3	75	14	1.6	0.00
31/07/2022 23:20	1.3	76	17	1.9	0.00
31/07/2022 23:30	1.2	65	10	1.5	0.00
31/07/2022 23:40	1.1	95	11	1.6	0.00
31/07/2022 23:50	1.3	70	16	1.6	0.00
01/08/2022 00:00	1.6	46	9	2.0	0.00
01/08/2022 00:10	1.3	78	13	1.8	0.00
01/08/2022 00:20	0.7	213	29	1.2	0.00
01/08/2022 00:30	0.6	302	41	1.1	0.00
01/08/2022 00:40	0.6	306	16	1.3	0.00
01/08/2022 00:50	0.5	270	18	0.9	0.00
01/08/2022 01:00	0.6	159	22	1.3	0.00
01/08/2022 01:10	1.8	59	12	2.5	0.00
01/08/2022 01:20	2.5	84	16	3.6	0.00
01/08/2022 01:30	1.4	46	20	2.7	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/08/2022 01:40	1.5	154	43	2.3	0.00
01/08/2022 01:50	0.9	155	42	1.7	0.00
01/08/2022 02:00	0.8	157	32	1.6	0.00
01/08/2022 02:10	0.9	196	29	1.6	0.00
01/08/2022 02:20	0.8	122	10	1.6	0.00
01/08/2022 02:30	0.3	40	29	1.0	0.00
01/08/2022 02:40	0.7	204	26	1.7	0.00
01/08/2022 02:50	0.7	185	34	1.7	0.00
01/08/2022 03:00	0.4	163	21	1.5	0.00
01/08/2022 03:10	0.9	73	11	1.7	0.00
01/08/2022 03:20	1.4	75	13	1.9	0.00
01/08/2022 03:30	1.1	170	48	2.3	0.00
01/08/2022 03:40	1.4	141	19	2.2	0.00
01/08/2022 03:50	0.8	177	40	1.8	0.00
01/08/2022 04:00	0.0	128	1	0.8	0.00
01/08/2022 04:10	0.0	330	0	0.6	0.00
01/08/2022 04:20	0.0	305	0	0.4	0.00
01/08/2022 04:30	0.4	114	11	1.4	0.00
01/08/2022 04:40	1.1	122	17	2.0	0.00
01/08/2022 04:50	1.1	124	18	1.7	0.00
01/08/2022 05:00	1.3	133	19	2.1	0.00
01/08/2022 05:10	1.2	126	19	1.9	0.00
01/08/2022 05:20	0.9	146	31	2.1	0.00
01/08/2022 05:30	1.3	140	39	2.0	0.00
01/08/2022 05:40	1.1	214	25	1.6	0.00
01/08/2022 05:50	1.2	144	22	1.9	0.00
01/08/2022 06:00	1.0	140	23	1.6	0.00
01/08/2022 06:10	0.7	205	26	1.2	0.00
01/08/2022 06:20	0.9	155	26	1.6	0.00
01/08/2022 06:30	0.7	212	30	1.6	0.00
01/08/2022 06:40	0.9	137	23	1.6	0.00
01/08/2022 06:50	0.6	328	41	1.2	0.00
01/08/2022 07:00	0.7	161	48	1.2	0.00
01/08/2022 07:10	0.6	230	39	1.3	0.00
01/08/2022 07:20	1.0	134	39	1.6	0.00
01/08/2022 07:30	0.6	135	6	1.5	0.00
01/08/2022 07:40	1.0	245	17	1.6	0.00
01/08/2022 07:50	0.7	246	47	1.5	0.00
01/08/2022 08:00	0.1	142	26	0.8	0.00
01/08/2022 08:10	0.5	70	23	1.4	0.00
01/08/2022 08:20	0.6	133	57	1.2	0.00
01/08/2022 08:30	1.5	75	19	2.3	0.00
01/08/2022 08:40	1.9	79	21	2.8	0.00
01/08/2022 08:50	2.5	87	17	3.6	0.00
01/08/2022 09:00	3.1	89	12	4.3	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/08/2022 09:10	3.4	86	13	4.6	0.00
01/08/2022 09:20	4.3	89	9	5.5	0.00
01/08/2022 09:30	3.6	85	11	4.9	0.00
01/08/2022 09:40	3.8	90	10	4.9	0.00
01/08/2022 09:50	3.9	90	10	5.1	0.00
01/08/2022 10:00	3.9	88	12	5.0	0.00
01/08/2022 10:10	3.7	83	12	5.3	0.00
01/08/2022 10:20	3.7	79	11	5.2	0.00
01/08/2022 10:30	4.2	83	11	5.2	0.00
01/08/2022 10:40	3.8	90	11	5.3	0.00
01/08/2022 10:50	4.1	84	9	5.2	0.00
01/08/2022 11:00	4.0	92	12	5.1	0.00
01/08/2022 11:10	4.2	94	11	5.6	0.00
01/08/2022 11:20	3.6	86	12	5.2	0.00
01/08/2022 11:30	3.4	81	16	4.9	0.00
01/08/2022 11:40	3.3	75	20	4.6	0.00
01/08/2022 11:50	3.0	53	26	4.7	0.00
01/08/2022 12:00	2.6	52	28	4.2	0.00
01/08/2022 12:10	2.4	18	38	4.3	0.00
01/08/2022 12:20	3.0	53	24	4.2	0.00
01/08/2022 12:30	3.0	65	15	5.3	0.00
01/08/2022 12:40	3.0	35	25	5.4	0.00
01/08/2022 12:50	2.8	184	31	4.6	0.00
01/08/2022 13:00	3.1	10	28	4.9	0.00
01/08/2022 13:10	2.9	25	29	4.4	0.00
01/08/2022 13:20	2.7	188	31	4.4	0.00
01/08/2022 13:30	2.2	341	44	3.7	0.00
01/08/2022 13:40	2.8	184	38	4.8	0.00
01/08/2022 13:50	3.0	10	25	4.8	0.00
01/08/2022 14:00	2.9	10	25	4.7	0.00
01/08/2022 14:10	3.7	15	22	5.3	0.00
01/08/2022 14:20	3.0	19	21	4.9	0.00
01/08/2022 14:30	3.2	9	19	4.9	0.00
01/08/2022 14:40	3.4	25	29	4.8	0.00
01/08/2022 14:50	3.4	183	22	4.9	0.00
01/08/2022 15:00	3.1	5	28	4.9	0.00
01/08/2022 15:10	3.4	13	21	4.9	0.00
01/08/2022 15:20	3.6	13	21	5.2	0.00
01/08/2022 15:30	3.1	3	25	4.9	0.00
01/08/2022 15:40	2.9	356	28	5.1	0.00
01/08/2022 15:50	2.5	174	31	4.4	0.00
01/08/2022 16:00	2.8	182	26	4.0	0.00
01/08/2022 16:10	2.7	4	23	4.0	0.00
01/08/2022 16:20	2.5	342	25	4.7	0.00
01/08/2022 16:30	3.1	13	15	4.7	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/08/2022 16:40	3.3	12	15	4.9	0.00
01/08/2022 16:50	2.7	183	21	4.0	0.00
01/08/2022 17:00	2.5	190	29	4.3	0.00
01/08/2022 17:10	1.7	353	36	3.3	0.00
01/08/2022 17:20	2.2	183	27	3.4	0.00
01/08/2022 17:30	1.9	344	28	3.3	0.00
01/08/2022 17:40	2.1	190	26	3.9	0.00
01/08/2022 17:50	2.3	12	24	3.6	0.00
01/08/2022 18:00	1.7	187	24	3.1	0.00
01/08/2022 18:10	1.7	335	32	3.2	0.00
01/08/2022 18:20	1.6	332	39	3.3	0.00
01/08/2022 18:30	1.6	172	40	2.5	0.00
01/08/2022 18:40	2.0	183	25	3.4	0.00
01/08/2022 18:50	2.7	28	15	3.7	0.00
01/08/2022 19:00	2.7	25	14	3.9	0.00
01/08/2022 19:10	2.8	20	16	3.9	0.00
01/08/2022 19:20	2.4	21	15	3.5	0.00
01/08/2022 19:30	2.6	19	18	4.0	0.00
01/08/2022 19:40	2.7	18	14	3.9	0.00
01/08/2022 19:50	2.6	27	14	3.6	0.00
01/08/2022 20:00	3.0	26	14	4.4	0.00
01/08/2022 20:10	2.9	26	14	4.4	0.00
01/08/2022 20:20	2.9	31	15	3.9	0.00
01/08/2022 20:30	2.9	28	14	4.0	0.00
01/08/2022 20:40	2.8	30	16	4.0	0.00
01/08/2022 20:50	2.8	28	15	4.0	0.00
01/08/2022 21:00	2.8	32	19	4.4	0.00
01/08/2022 21:10	1.7	165	43	2.7	0.00
01/08/2022 21:20	2.0	329	30	3.8	0.00
01/08/2022 21:30	2.5	317	21	4.0	0.00
01/08/2022 21:40	2.1	321	22	3.1	0.00
01/08/2022 21:50	1.8	331	27	3.2	0.00
01/08/2022 22:00	1.5	339	33	2.8	0.00
01/08/2022 22:10	2.0	330	22	3.4	0.00
01/08/2022 22:20	2.4	319	24	4.2	0.00
01/08/2022 22:30	2.5	326	25	3.8	0.00
01/08/2022 22:40	2.8	337	23	5.2	0.00
01/08/2022 22:50	2.7	343	24	4.3	0.00
01/08/2022 23:00	3.2	340	24	5.4	0.00
01/08/2022 23:10	3.5	344	25	5.6	0.00
01/08/2022 23:20	3.1	338	26	5.7	0.00
01/08/2022 23:30	3.6	357	26	5.8	0.00
01/08/2022 23:40	3.9	343	19	5.8	0.00
01/08/2022 23:50	3.5	350	25	5.6	0.00
02/08/2022 00:00	3.1	180	23	5.6	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/08/2022 00:10	3.8	350	27	6.7	0.00
02/08/2022 00:20	3.7	343	21	6.2	0.00
02/08/2022 00:30	3.1	335	27	5.6	0.00
02/08/2022 00:40	2.8	329	28	4.6	0.00
02/08/2022 00:50	2.9	315	23	5.4	0.00
02/08/2022 01:00	4.1	307	17	6.2	0.00
02/08/2022 01:10	5.0	296	13	7.2	0.00
02/08/2022 01:20	5.0	294	13	7.2	0.00
02/08/2022 01:30	4.8	293	13	6.8	0.00
02/08/2022 01:40	4.9	293	13	6.5	0.00
02/08/2022 01:50	4.8	291	12	7.0	0.00
02/08/2022 02:00	4.9	294	13	6.7	0.00
02/08/2022 02:10	5.1	292	14	7.0	0.00
02/08/2022 02:20	5.4	294	12	7.3	0.00
02/08/2022 02:30	5.2	292	14	7.5	0.00
02/08/2022 02:40	4.7	293	14	6.2	0.00
02/08/2022 02:50	5.6	295	11	7.9	0.00
02/08/2022 03:00	5.1	294	14	7.0	0.00
02/08/2022 03:10	5.7	292	14	7.9	0.00
02/08/2022 03:20	5.6	294	13	7.9	0.00
02/08/2022 03:30	5.2	294	13	7.4	0.00
02/08/2022 03:40	5.1	294	13	7.2	0.00
02/08/2022 03:50	5.2	294	14	7.2	0.00
02/08/2022 04:00	5.7	294	15	8.1	0.00
02/08/2022 04:10	5.7	294	14	8.3	0.00
02/08/2022 04:20	5.6	296	15	8.2	0.00
02/08/2022 04:30	5.3	262	15	7.8	0.30
02/08/2022 04:40	4.4	255	12	6.0	0.00
02/08/2022 04:50	4.4	250	14	6.1	0.20
02/08/2022 05:00	4.4	250	13	6.0	0.20
02/08/2022 05:10	4.3	250	12	6.0	0.20
02/08/2022 05:20	4.0	247	13	6.1	0.30
02/08/2022 05:30	3.9	241	11	5.3	0.20
02/08/2022 05:40	3.5	243	11	5.1	0.20
02/08/2022 05:50	3.9	238	11	5.6	0.00
02/08/2022 06:00	3.7	230	15	5.4	0.00
02/08/2022 06:10	4.0	231	16	6.1	0.20
02/08/2022 06:20	4.0	229	14	6.0	0.20
02/08/2022 06:30	2.8	222	15	4.4	0.30
02/08/2022 06:40	2.6	220	20	3.6	0.10
02/08/2022 06:50	2.9	223	17	4.3	0.00
02/08/2022 07:00	3.0	228	15	4.5	0.00
02/08/2022 07:10	2.3	227	15	3.2	0.00
02/08/2022 07:20	1.8	229	15	2.9	0.00
02/08/2022 07:30	1.3	239	17	2.0	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/08/2022 07:40	0.9	230	15	1.2	0.00
02/08/2022 07:50	1.0	243	11	1.6	0.00
02/08/2022 08:00	1.9	242	12	2.5	0.00
02/08/2022 08:10	2.0	231	14	3.3	0.00
02/08/2022 08:20	2.7	230	13	4.0	0.00
02/08/2022 08:30	2.8	231	18	4.5	0.00
02/08/2022 08:40	3.2	229	15	4.4	0.10
02/08/2022 08:50	3.6	226	14	4.9	0.00
02/08/2022 09:00	3.6	223	19	5.6	0.00
02/08/2022 09:10	3.7	217	19	5.8	0.00
02/08/2022 09:20	3.7	219	15	5.3	0.00
02/08/2022 09:30	4.2	224	16	6.0	0.00
02/08/2022 09:40	4.3	224	18	6.2	0.00
02/08/2022 09:50	4.2	228	17	6.4	0.00
02/08/2022 10:00	3.7	224	34	6.3	0.00
02/08/2022 10:10	3.9	225	20	5.7	0.00
02/08/2022 10:20	3.9	220	19	5.6	0.00
02/08/2022 10:30	3.6	218	36	5.7	0.00
02/08/2022 10:40	3.6	224	35	6.2	0.00
02/08/2022 10:50	3.9	216	27	6.0	0.00
02/08/2022 11:00	4.2	220	28	6.2	0.00
02/08/2022 11:10	3.7	224	39	6.6	0.00
02/08/2022 11:20	4.1	224	26	6.6	0.00
02/08/2022 11:30	4.1	225	16	6.2	0.00
02/08/2022 11:40	4.4	222	14	6.2	0.00
02/08/2022 11:50	4.4	222	13	6.0	0.00
02/08/2022 12:00	4.1	227	18	6.1	0.00
02/08/2022 12:10	4.0	226	20	5.9	0.00
02/08/2022 12:20	4.0	239	21	6.2	0.00
02/08/2022 12:30	4.0	230	22	6.4	0.00
02/08/2022 12:40	4.4	238	16	6.6	0.00
02/08/2022 12:50	3.9	232	17	6.0	0.00
02/08/2022 13:00	3.4	226	27	5.2	0.00
02/08/2022 13:10	3.6	225	19	5.0	0.00
02/08/2022 13:20	4.6	256	19	6.3	0.00
02/08/2022 13:30	5.1	270	12	6.3	0.00
02/08/2022 13:40	5.3	264	14	6.5	0.00
02/08/2022 13:50	5.4	264	13	6.9	0.00
02/08/2022 14:00	5.6	265	13	7.5	0.00
02/08/2022 14:10	5.5	260	11	7.0	0.00
02/08/2022 14:20	5.5	264	12	7.5	0.00
02/08/2022 14:30	5.8	267	13	7.6	0.00
02/08/2022 14:40	5.0	265	14	6.8	0.00
02/08/2022 14:50	5.0	272	14	6.8	0.00
02/08/2022 15:00	5.3	264	13	7.2	0.00





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/08/2022 15:10	5.2	269	14	6.8	0.00
02/08/2022 15:20	5.2	261	16	6.5	0.00
02/08/2022 15:30	5.0	261	13	7.1	0.00
02/08/2022 15:40	6.1	267	10	8.2	0.00
02/08/2022 15:50	5.2	263	11	6.8	0.00
02/08/2022 16:00	5.4	260	14	7.4	0.00
02/08/2022 16:10	5.8	262	12	7.9	0.00
02/08/2022 16:20	6.0	262	11	7.9	0.00
02/08/2022 16:30	5.6	261	12	7.8	0.00
02/08/2022 16:40	5.7	263	10	7.4	0.00
02/08/2022 16:50	5.9	265	11	7.6	0.00
02/08/2022 17:00	5.9	265	11	8.0	0.00
02/08/2022 17:10	5.5	261	11	7.5	0.00
02/08/2022 17:20	5.5	262	11	7.4	0.00
02/08/2022 17:30	5.7	263	11	7.5	0.00
02/08/2022 17:40	5.7	263	10	7.7	0.00
02/08/2022 17:50	5.2	258	12	6.5	0.00
02/08/2022 18:00	5.6	263	11	7.0	0.00
02/08/2022 18:10	6.0	261	10	7.6	0.00
02/08/2022 18:20	5.6	263	9	7.1	0.00
02/08/2022 18:30	5.1	263	11	6.5	0.00
02/08/2022 18:40	5.0	263	11	6.5	0.00
02/08/2022 18:50	5.1	261	10	6.6	0.00
02/08/2022 19:00	5.1	264	10	6.5	0.00
02/08/2022 19:10	4.9	261	10	6.6	0.00
02/08/2022 19:20	4.9	261	10	6.5	0.00
02/08/2022 19:30	4.8	259	12	6.4	0.00
02/08/2022 19:40	4.6	257	12	6.0	0.00
02/08/2022 19:50	4.9	256	12	6.8	0.00
02/08/2022 20:00	4.2	254	11	5.4	0.00
02/08/2022 20:10	3.4	255	14	5.1	0.00
02/08/2022 20:20	3.8	255	11	5.4	0.00
02/08/2022 20:30	3.8	253	11	5.1	0.00
02/08/2022 20:40	3.2	255	11	4.4	0.00
02/08/2022 20:50	3.3	248	12	4.5	0.00
02/08/2022 21:00	3.3	252	12	4.8	0.00
02/08/2022 21:10	3.3	249	13	4.7	0.00
02/08/2022 21:20	3.1	250	12	4.5	0.00
02/08/2022 21:30	3.0	248	13	4.2	0.00
02/08/2022 21:40	3.0	243	15	4.4	0.00
02/08/2022 21:50	3.1	247	14	4.4	0.00
02/08/2022 22:00	3.0	247	13	4.1	0.00
02/08/2022 22:10	3.4	249	12	4.4	0.00
02/08/2022 22:20	2.7	244	13	3.9	0.00
02/08/2022 22:30	3.1	245	13	4.3	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/08/2022 22:40	3.1	250	12	4.7	0.00
02/08/2022 22:50	3.3	254	13	4.7	0.00
02/08/2022 23:00	3.4	254	12	4.9	0.00
02/08/2022 23:10	3.1	252	13	4.4	0.00
02/08/2022 23:20	2.8	251	11	4.0	0.00
02/08/2022 23:30	2.9	247	12	4.0	0.00
02/08/2022 23:40	3.0	251	13	4.4	0.00
02/08/2022 23:50	3.9	251	13	5.9	0.00
03/08/2022 00:00	3.7	248	11	5.1	0.00
03/08/2022 00:10	3.6	245	13	5.5	0.00
03/08/2022 00:20	4.0	248	13	5.9	0.00
03/08/2022 00:30	3.3	245	13	4.8	0.00
03/08/2022 00:40	3.3	246	15	4.8	0.00
03/08/2022 00:50	3.0	246	12	4.7	0.00
03/08/2022 01:00	3.2	240	14	4.7	0.00
03/08/2022 01:10	3.6	235	13	4.7	0.00
03/08/2022 01:20	3.7	237	13	5.2	0.00
03/08/2022 01:30	4.2	238	13	6.1	0.00
03/08/2022 01:40	4.7	237	13	6.3	0.00
03/08/2022 01:50	4.3	235	13	6.3	0.00
03/08/2022 02:00	3.7	238	16	5.7	0.00
03/08/2022 02:10	4.1	233	14	6.4	0.00
03/08/2022 02:20	4.7	230	15	7.3	0.00
03/08/2022 02:30	4.9	229	13	7.1	0.00
03/08/2022 02:40	4.4	232	15	6.5	0.00
03/08/2022 02:50	4.2	229	16	6.6	0.00
03/08/2022 03:00	4.4	231	16	6.6	0.00
03/08/2022 03:10	4.0	230	14	6.0	0.00
03/08/2022 03:20	4.3	228	14	6.3	0.00
03/08/2022 03:30	4.4	229	14	6.7	0.00
03/08/2022 03:40	4.7	229	15	6.2	0.00
03/08/2022 03:50	4.5	229	14	6.4	0.00
03/08/2022 04:00	4.7	230	17	7.5	0.00
03/08/2022 04:10	4.0	230	17	5.7	0.00
03/08/2022 04:20	4.1	226	17	6.6	0.00
03/08/2022 04:30	3.8	227	18	5.8	0.00
03/08/2022 04:40	4.3	221	15	6.3	0.00
03/08/2022 04:50	4.2	222	17	6.6	0.00
03/08/2022 05:00	4.7	222	16	7.6	0.00
03/08/2022 05:10	4.6	226	19	7.2	0.00
03/08/2022 05:20	4.4	221	15	6.2	0.00
03/08/2022 05:30	5.0	219	15	6.9	0.00
03/08/2022 05:40	4.4	221	17	6.4	0.00
03/08/2022 05:50	3.9	221	15	5.9	0.00
03/08/2022 06:00	3.5	219	19	5.1	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/08/2022 06:10	3.5	218	16	5.2	0.00
03/08/2022 06:20	3.6	220	16	5.1	0.00
03/08/2022 06:30	3.8	222	16	5.4	0.00
03/08/2022 06:40	3.6	221	16	5.1	0.00
03/08/2022 06:50	3.3	220	17	4.6	0.00
03/08/2022 07:00	3.5	222	16	5.0	0.00
03/08/2022 07:10	3.1	222	15	4.4	0.00
03/08/2022 07:20	3.4	221	15	4.9	0.00
03/08/2022 07:30	3.6	221	17	5.2	0.00
03/08/2022 07:40	3.7	218	20	5.0	0.00
03/08/2022 07:50	3.4	217	20	5.1	0.00
03/08/2022 08:00	3.7	218	19	5.4	0.00
03/08/2022 08:10	2.9	218	30	4.2	0.00
03/08/2022 08:20	3.8	222	24	5.5	0.00
03/08/2022 08:30	3.5	222	31	6.1	0.00
03/08/2022 08:40	3.9	217	35	6.2	0.00
03/08/2022 08:50	4.9	219	24	7.6	0.00
03/08/2022 09:00	3.9	221	42	6.5	0.00
03/08/2022 09:10	4.1	223	21	5.9	0.00
03/08/2022 09:20	4.0	218	44	6.3	0.00
03/08/2022 09:30	4.1	219	43	5.7	0.00
03/08/2022 09:40	5.1	218	22	6.9	0.00
03/08/2022 09:50	4.4	219	26	7.1	0.00
03/08/2022 10:00	5.0	226	15	7.7	0.00
03/08/2022 10:10	4.4	225	23	7.4	0.00
03/08/2022 10:20	5.1	221	17	7.0	0.00
03/08/2022 10:30	5.1	228	14	7.1	0.00
03/08/2022 10:40	4.7	231	16	7.5	0.00
03/08/2022 10:50	5.1	230	16	7.3	0.00
03/08/2022 11:00	4.9	229	17	7.7	0.00
03/08/2022 11:10	5.0	224	22	7.9	0.00
03/08/2022 11:20	4.7	222	22	6.9	0.00
03/08/2022 11:30	5.6	219	16	7.9	0.00
03/08/2022 11:40	5.3	226	18	8.3	0.00
03/08/2022 11:50	5.7	226	17	8.7	0.00
03/08/2022 12:00	5.5	238	21	7.9	0.00
03/08/2022 12:10	5.2	241	17	7.5	0.00
03/08/2022 12:20	5.2	242	19	7.3	0.00
03/08/2022 12:30	5.3	245	14	8.1	0.00
03/08/2022 12:40	5.4	246	16	7.9	0.00
03/08/2022 12:50	5.9	255	14	8.2	0.00
03/08/2022 13:00	6.0	252	14	8.3	0.00
03/08/2022 13:10	5.9	257	13	8.2	0.00
03/08/2022 13:20	6.1	261	11	8.3	0.00
03/08/2022 13:30	6.3	258	12	8.6	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/08/2022 13:40	7.0	258	13	9.8	0.00
03/08/2022 13:50	6.9	261	11	9.6	0.00
03/08/2022 14:00	7.0	263	13	9.8	0.00
03/08/2022 14:10	7.2	260	11	9.1	0.00
03/08/2022 14:20	6.6	258	11	8.9	0.00
03/08/2022 14:30	6.2	262	13	9.1	0.00
03/08/2022 14:40	6.3	259	14	9.0	0.00
03/08/2022 14:50	6.6	259	12	9.4	0.00
03/08/2022 15:00	6.5	259	12	9.2	0.00
03/08/2022 15:10	6.8	260	12	9.6	0.00
03/08/2022 15:20	6.8	259	12	9.5	0.00
03/08/2022 15:30	6.9	263	11	10.0	0.00
03/08/2022 15:40	6.7	262	12	9.2	0.00
03/08/2022 15:50	6.6	259	13	9.2	0.00
03/08/2022 16:00	6.3	260	11	8.6	0.00
03/08/2022 16:10	6.3	257	12	8.3	0.00
03/08/2022 16:20	6.5	259	10	8.8	0.00
03/08/2022 16:30	6.3	256	11	8.5	0.00
03/08/2022 16:40	6.3	264	11	8.3	0.00
03/08/2022 16:50	6.1	261	13	8.0	0.00
03/08/2022 17:00	6.1	254	11	8.7	0.00
03/08/2022 17:10	5.7	258	12	7.9	0.00
03/08/2022 17:20	5.8	259	12	8.1	0.00
03/08/2022 17:30	6.1	258	11	8.6	0.00
03/08/2022 17:40	6.4	258	12	9.1	0.00
03/08/2022 17:50	5.9	258	12	7.9	0.00
03/08/2022 18:00	6.0	258	12	8.0	0.00
03/08/2022 18:10	6.2	258	11	8.7	0.00
03/08/2022 18:20	5.9	256	12	8.7	0.00
03/08/2022 18:30	6.3	255	13	8.8	0.00
03/08/2022 18:40	5.6	262	12	7.9	0.00
03/08/2022 18:50	5.6	258	12	7.8	0.00
03/08/2022 19:00	5.8	254	11	8.0	0.00
03/08/2022 19:10	5.7	253	11	7.8	0.00
03/08/2022 19:20	6.2	253	11	8.9	0.00
03/08/2022 19:30	5.5	256	12	7.7	0.00
03/08/2022 19:40	5.3	255	11	7.6	0.00
03/08/2022 19:50	5.1	254	12	7.2	0.00
03/08/2022 20:00	4.6	251	12	6.6	0.00
03/08/2022 20:10	5.0	254	11	6.7	0.00
03/08/2022 20:20	4.8	254	11	6.5	0.00
03/08/2022 20:30	5.0	255	11	6.5	0.00
03/08/2022 20:40	4.6	253	14	6.1	0.00
03/08/2022 20:50	4.3	255	14	6.5	0.00
03/08/2022 21:00	4.3	254	12	5.9	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/08/2022 21:10	3.8	247	13	6.3	0.00
03/08/2022 21:20	3.7	251	13	5.8	0.00
03/08/2022 21:30	4.1	251	11	6.0	0.00
03/08/2022 21:40	3.6	245	16	5.4	0.00
03/08/2022 21:50	3.5	243	14	5.4	0.00
03/08/2022 22:00	3.5	244	12	4.9	0.00
03/08/2022 22:10	3.0	236	14	4.1	0.00
03/08/2022 22:20	3.6	239	14	5.3	0.00
03/08/2022 22:30	3.7	240	13	6.0	0.00
03/08/2022 22:40	3.5	237	12	5.5	0.00
03/08/2022 22:50	3.4	239	13	5.0	0.00
03/08/2022 23:00	3.9	246	12	6.0	0.00
03/08/2022 23:10	4.1	245	13	6.0	0.00
03/08/2022 23:20	3.6	243	12	5.6	0.00
03/08/2022 23:30	3.6	237	14	5.1	0.00
03/08/2022 23:40	3.6	237	14	5.2	0.00
03/08/2022 23:50	3.9	246	12	5.7	0.00
04/08/2022 00:00	4.1	244	13	6.2	0.00
04/08/2022 00:10	4.1	244	13	5.8	0.00
04/08/2022 00:20	3.9	247	14	5.4	0.00
04/08/2022 00:30	5.1	246	10	7.3	0.00
04/08/2022 00:40	4.2	239	14	7.0	0.00
04/08/2022 00:50	4.4	237	15	6.4	0.00
04/08/2022 01:00	3.9	233	17	5.7	0.00
04/08/2022 01:10	4.5	231	15	6.6	0.00
04/08/2022 01:20	4.2	228	16	6.6	0.00
04/08/2022 01:30	3.6	230	17	5.2	0.00
04/08/2022 01:40	3.5	231	14	5.0	0.00
04/08/2022 01:50	3.8	227	15	5.4	0.00
04/08/2022 02:00	3.5	226	20	5.4	0.00
04/08/2022 02:10	3.4	227	15	5.0	0.00
04/08/2022 02:20	3.5	224	17	5.2	0.00
04/08/2022 02:30	3.5	227	16	5.3	0.00
04/08/2022 02:40	3.5	226	18	5.4	0.00
04/08/2022 02:50	3.4	227	16	4.7	0.00
04/08/2022 03:00	3.1	223	17	4.8	0.00
04/08/2022 03:10	2.8	232	17	4.4	0.00
04/08/2022 03:20	2.6	230	20	3.8	0.00
04/08/2022 03:30	3.2	219	16	4.4	0.00
04/08/2022 03:40	3.9	217	16	5.3	0.00
04/08/2022 03:50	3.7	217	15	5.1	0.00
04/08/2022 04:00	3.7	217	15	5.5	0.00
04/08/2022 04:10	3.5	221	16	5.2	0.00
04/08/2022 04:20	3.7	221	19	5.2	0.00
04/08/2022 04:30	3.4	221	16	4.9	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/08/2022 04:40	3.2	221	19	4.9	0.00
04/08/2022 04:50	3.6	217	15	4.5	0.00
04/08/2022 05:00	3.5	217	14	4.6	0.00
04/08/2022 05:10	3.4	216	16	4.5	0.00
04/08/2022 05:20	3.1	217	16	4.0	0.00
04/08/2022 05:30	2.7	216	20	3.6	0.00
04/08/2022 05:40	2.6	214	21	3.3	0.00
04/08/2022 05:50	2.7	218	18	3.6	0.00
04/08/2022 06:00	2.4	218	17	3.2	0.00
04/08/2022 06:10	1.7	225	34	2.7	0.00
04/08/2022 06:20	1.7	226	48	2.7	0.00
04/08/2022 06:30	2.1	223	33	3.5	0.00
04/08/2022 06:40	1.9	217	41	2.7	0.00
04/08/2022 06:50	1.8	223	42	2.9	0.00
04/08/2022 07:00	1.9	224	43	2.8	0.00
04/08/2022 07:10	2.4	216	34	3.4	0.00
04/08/2022 07:20	2.3	224	43	3.8	0.00
04/08/2022 07:30	2.2	224	45	3.7	0.00
04/08/2022 07:40	2.2	230	54	3.9	0.00
04/08/2022 07:50	2.6	222	55	4.5	0.00
04/08/2022 08:00	2.8	224	47	4.4	0.00
04/08/2022 08:10	2.8	222	48	5.1	0.00
04/08/2022 08:20	1.9	244	85	3.2	0.00
04/08/2022 08:30	1.8	117	92	3.2	0.00
04/08/2022 08:40	2.0	125	74	4.0	0.00
04/08/2022 08:50	2.0	141	92	3.4	0.00
04/08/2022 09:00	2.3	164	79	4.0	0.00
04/08/2022 09:10	2.3	223	93	4.3	0.00
04/08/2022 09:20	2.0	161	91	3.7	0.00
04/08/2022 09:30	2.5	184	73	5.2	0.00
04/08/2022 09:40	2.2	133	88	4.0	0.00
04/08/2022 09:50	2.0	178	86	4.4	0.00
04/08/2022 10:00	2.1	187	92	4.4	0.00
04/08/2022 10:10	2.3	129	82	4.0	0.00
04/08/2022 10:20	2.3	168	69	3.8	0.00
04/08/2022 10:30	2.3	212	82	4.4	0.00
04/08/2022 10:40	3.6	223	27	5.1	0.00
04/08/2022 10:50	2.9	208	41	5.3	0.00
04/08/2022 11:00	2.8	209	44	4.8	0.00
04/08/2022 11:10	2.8	223	39	5.4	0.00
04/08/2022 11:20	3.1	223	34	5.5	0.00
04/08/2022 11:30	2.9	217	58	5.9	0.00
04/08/2022 11:40	3.1	234	21	4.8	0.00
04/08/2022 11:50	2.9	227	25	5.3	0.00
04/08/2022 12:00	2.2	227	40	3.9	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/08/2022 12:10	2.5	195	52	4.9	0.00
04/08/2022 12:20	2.2	221	40	4.1	0.00
04/08/2022 12:30	4.0	238	14	6.1	0.00
04/08/2022 12:40	2.5	230	31	4.4	0.00
04/08/2022 12:50	3.0	213	31	5.0	0.00
04/08/2022 13:00	3.5	232	22	5.4	0.00
04/08/2022 13:10	2.9	232	35	4.9	0.00
04/08/2022 13:20	1.8	185	72	3.4	0.00
04/08/2022 13:30	3.1	225	21	4.8	0.00
04/08/2022 13:40	2.9	217	35	4.7	0.00
04/08/2022 13:50	3.7	248	19	5.1	0.00
04/08/2022 14:00	3.6	263	22	5.2	0.00
04/08/2022 14:10	3.8	267	16	5.2	0.00
04/08/2022 14:20	4.3	264	17	6.1	0.00
04/08/2022 14:30	3.7	269	17	5.2	0.00
04/08/2022 14:40	3.7	269	20	5.2	0.00
04/08/2022 14:50	3.5	263	21	5.0	0.00
04/08/2022 15:00	4.6	257	13	5.9	0.00
04/08/2022 15:10	4.1	261	15	5.2	0.00
04/08/2022 15:20	4.4	257	11	5.5	0.00
04/08/2022 15:30	4.1	261	12	5.6	0.00
04/08/2022 15:40	3.9	261	13	5.0	0.00
04/08/2022 15:50	4.2	260	11	5.5	0.00
04/08/2022 16:00	3.9	266	13	5.2	0.00
04/08/2022 16:10	4.0	263	13	5.2	0.00
04/08/2022 16:20	4.4	261	14	5.8	0.00
04/08/2022 16:30	4.2	264	11	5.6	0.00
04/08/2022 16:40	3.8	264	12	5.3	0.00
04/08/2022 16:50	4.3	257	9	5.4	0.00
04/08/2022 17:00	3.9	263	11	5.1	0.00
04/08/2022 17:10	3.8	265	14	5.2	0.00
04/08/2022 17:20	4.1	265	10	5.5	0.00
04/08/2022 17:30	4.0	263	11	5.6	0.00
04/08/2022 17:40	3.7	265	11	5.0	0.00
04/08/2022 17:50	3.6	260	10	4.7	0.00
04/08/2022 18:00	2.8	262	8	3.7	0.00
04/08/2022 18:10	2.6	262	9	3.6	0.00
04/08/2022 18:20	2.3	266	11	3.0	0.00
04/08/2022 18:30	2.0	254	9	2.8	0.00
04/08/2022 18:40	1.6	247	12	2.5	0.00
04/08/2022 18:50	1.9	242	11	2.8	0.00
04/08/2022 19:00	2.0	235	12	2.8	0.00
04/08/2022 19:10	1.9	232	15	2.7	0.00
04/08/2022 19:20	2.1	231	13	2.8	0.00
04/08/2022 19:30	2.2	234	14	2.9	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/08/2022 19:40	2.0	241	13	2.7	0.00
04/08/2022 19:50	2.3	231	12	3.2	0.00
04/08/2022 20:00	2.7	232	11	3.7	0.00
04/08/2022 20:10	3.0	231	12	4.0	0.00
04/08/2022 20:20	2.9	234	13	3.9	0.00
04/08/2022 20:30	3.0	234	13	4.1	0.00
04/08/2022 20:40	3.2	233	12	4.0	0.00
04/08/2022 20:50	3.3	231	15	4.5	0.00
04/08/2022 21:00	3.2	229	13	4.5	0.00
04/08/2022 21:10	3.6	220	17	5.6	0.00
04/08/2022 21:20	3.8	221	14	5.2	0.00
04/08/2022 21:30	3.7	221	13	5.2	0.00
04/08/2022 21:40	3.4	222	15	4.9	0.00
04/08/2022 21:50	3.5	219	15	4.8	0.00
04/08/2022 22:00	3.1	213	23	4.3	0.00
04/08/2022 22:10	3.6	216	19	5.0	0.00
04/08/2022 22:20	3.7	216	19	4.8	0.00
04/08/2022 22:30	3.6	217	19	4.6	0.00
04/08/2022 22:40	3.1	213	17	4.3	0.00
04/08/2022 22:50	2.4	211	31	3.3	0.00
04/08/2022 23:00	2.9	218	18	4.3	0.00
04/08/2022 23:10	3.0	218	19	4.0	0.00
04/08/2022 23:20	2.4	216	25	3.7	0.00
04/08/2022 23:30	2.2	218	26	3.1	0.00
04/08/2022 23:40	2.9	219	15	4.3	0.00
04/08/2022 23:50	2.8	219	17	3.9	0.00
05/08/2022 00:00	2.5	218	22	3.6	0.00
05/08/2022 00:10	2.4	218	19	3.3	0.00
05/08/2022 00:20	1.4	220	56	2.2	0.00
05/08/2022 00:30	1.0	304	81	2.0	0.00
05/08/2022 00:40	1.2	78	80	2.1	0.00
05/08/2022 00:50	1.1	28	86	1.6	0.00
05/08/2022 01:00	1.0	13	74	1.8	0.00
05/08/2022 01:10	1.1	184	83	1.9	0.00
05/08/2022 01:20	1.2	99	89	2.0	0.00
05/08/2022 01:30	1.3	53	85	2.5	0.00
05/08/2022 01:40	1.5	125	56	2.4	0.00
05/08/2022 01:50	1.0	347	84	1.6	0.00
05/08/2022 02:00	0.9	195	81	1.6	0.00
05/08/2022 02:10	0.9	198	86	1.6	0.00
05/08/2022 02:20	1.2	100	63	2.0	0.00
05/08/2022 02:30	1.7	143	31	2.8	0.00
05/08/2022 02:40	1.3	138	57	2.4	0.00
05/08/2022 02:50	1.6	135	31	2.4	0.00
05/08/2022 03:00	1.1	128	34	1.9	0.00





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/08/2022 03:10	1.2	121	18	2.0	0.00
05/08/2022 03:20	1.3	115	18	2.0	0.00
05/08/2022 03:30	1.7	117	14	2.3	0.00
05/08/2022 03:40	2.2	125	14	3.0	0.00
05/08/2022 03:50	2.0	124	16	2.8	0.00
05/08/2022 04:00	2.0	125	16	3.0	0.00
05/08/2022 04:10	1.9	134	17	2.7	0.00
05/08/2022 04:20	1.7	146	18	2.4	0.00
05/08/2022 04:30	0.9	127	63	1.9	0.00
05/08/2022 04:40	0.7	248	83	1.3	0.00
05/08/2022 04:50	0.7	294	72	1.1	0.00
05/08/2022 05:00	1.1	223	40	1.7	0.00
05/08/2022 05:10	1.3	235	18	2.0	0.00
05/08/2022 05:20	0.8	229	35	1.5	0.00
05/08/2022 05:30	0.5	187	57	1.3	0.00
05/08/2022 05:40	1.0	151	34	2.1	0.00
05/08/2022 05:50	0.9	152	44	1.6	0.00
05/08/2022 06:00	0.6	157	29	1.2	0.00
05/08/2022 06:10	0.4	169	67	0.8	0.00
05/08/2022 06:20	0.9	148	33	1.7	0.00
05/08/2022 06:30	1.2	153	28	2.0	0.00
05/08/2022 06:40	1.5	147	20	2.0	0.00
05/08/2022 06:50	1.8	143	13	2.8	0.00
05/08/2022 07:00	1.7	141	13	2.2	0.00
05/08/2022 07:10	2.1	136	15	3.1	0.00
05/08/2022 07:20	2.4	136	15	3.6	0.00
05/08/2022 07:30	2.3	138	15	3.3	0.00
05/08/2022 07:40	2.6	137	15	3.6	0.00
05/08/2022 07:50	3.2	139	15	4.4	0.00
05/08/2022 08:00	3.0	138	15	4.4	0.00
05/08/2022 08:10	3.2	129	15	4.4	0.00
05/08/2022 08:20	3.4	132	15	4.7	0.00
05/08/2022 08:30	3.2	129	15	4.5	0.00
05/08/2022 08:40	3.1	116	14	4.9	0.00
05/08/2022 08:50	3.8	102	10	5.4	0.00
05/08/2022 09:00	4.2	104	13	5.6	0.00
05/08/2022 09:10	4.3	115	13	5.7	0.00
05/08/2022 09:20	4.0	112	14	5.6	0.00
05/08/2022 09:30	4.5	108	15	6.1	0.00
05/08/2022 09:40	4.6	110	13	6.4	0.00
05/08/2022 09:50	4.6	104	13	6.4	0.00
05/08/2022 10:00	4.3	100	13	5.9	0.00
05/08/2022 10:10	4.6	100	14	6.3	0.00
05/08/2022 10:20	5.1	105	11	6.8	0.00
05/08/2022 10:30	5.0	100	12	6.8	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/08/2022 10:40	5.3	95	14	7.8	0.00
05/08/2022 10:50	6.1	101	13	8.2	0.00
05/08/2022 11:00	5.8	101	14	8.1	0.00
05/08/2022 11:10	5.3	96	13	7.2	0.00
05/08/2022 11:20	5.4	93	12	7.2	0.00
05/08/2022 11:30	5.1	94	13	6.9	0.00
05/08/2022 11:40	5.4	90	13	7.5	0.00
05/08/2022 11:50	5.5	80	12	7.8	0.00
05/08/2022 12:00	5.8	81	12	7.5	0.00
05/08/2022 12:10	5.9	79	10	7.6	0.00
05/08/2022 12:20	5.5	76	11	7.5	0.00
05/08/2022 12:30	5.6	76	12	7.2	0.00
05/08/2022 12:40	5.3	78	12	7.3	0.00
05/08/2022 12:50	5.0	82	13	6.6	0.00
05/08/2022 13:00	4.7	81	13	6.4	0.00
05/08/2022 13:10	4.7	89	13	6.3	0.00
05/08/2022 13:20	4.6	86	11	6.3	0.00
05/08/2022 13:30	4.8	74	12	6.3	0.00
05/08/2022 13:40	4.7	77	10	6.1	0.00
05/08/2022 13:50	4.7	76	12	6.2	0.00
05/08/2022 14:00	4.3	67	16	5.8	0.00
05/08/2022 14:10	4.2	70	16	5.9	0.00
05/08/2022 14:20	4.7	73	12	6.4	0.00
05/08/2022 14:30	4.4	76	11	5.7	0.00
05/08/2022 14:40	3.0	71	19	4.7	0.00
05/08/2022 14:50	3.3	76	15	5.2	0.00
05/08/2022 15:00	3.5	77	16	5.3	0.00
05/08/2022 15:10	3.1	68	16	4.8	0.00
05/08/2022 15:20	2.7	81	17	4.0	0.00
05/08/2022 15:30	2.2	65	22	3.7	0.00
05/08/2022 15:40	2.4	81	19	4.3	0.00
05/08/2022 15:50	2.4	57	18	3.6	0.00
05/08/2022 16:00	3.1	80	15	4.3	0.00
05/08/2022 16:10	2.3	64	19	3.2	0.00
05/08/2022 16:20	2.5	82	14	3.7	0.00
05/08/2022 16:30	2.6	77	16	3.8	0.00
05/08/2022 16:40	2.3	64	15	3.0	0.00
05/08/2022 16:50	2.0	67	18	2.7	0.00
05/08/2022 17:00	2.0	70	14	2.8	0.00
05/08/2022 17:10	1.6	200	22	2.2	0.00
05/08/2022 17:20	1.6	18	50	2.8	0.00
05/08/2022 17:30	1.3	183	26	2.1	0.00
05/08/2022 17:40	1.8	185	19	2.8	0.00
05/08/2022 17:50	1.5	169	28	2.2	0.00
05/08/2022 18:00	2.1	273	17	3.4	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/08/2022 18:10	2.5	286	16	3.5	0.00
05/08/2022 18:20	2.0	310	17	2.7	0.00
05/08/2022 18:30	1.9	302	14	2.8	0.00
05/08/2022 18:40	1.8	258	17	2.7	0.00
05/08/2022 18:50	2.6	247	14	3.6	0.00
05/08/2022 19:00	3.1	250	12	4.0	0.00
05/08/2022 19:10	3.3	248	10	4.4	0.00
05/08/2022 19:20	3.2	252	13	4.6	0.00
05/08/2022 19:30	3.2	252	9	4.2	0.00
05/08/2022 19:40	3.0	246	12	3.9	0.00
05/08/2022 19:50	3.1	248	10	4.6	0.00
05/08/2022 20:00	3.2	246	12	4.1	0.00
05/08/2022 20:10	2.9	249	11	4.0	0.00
05/08/2022 20:20	3.1	250	10	4.2	0.00
05/08/2022 20:30	2.5	237	11	3.6	0.00
05/08/2022 20:40	2.1	234	15	3.0	0.00
05/08/2022 20:50	2.5	234	12	3.5	0.00
05/08/2022 21:00	2.9	235	11	3.9	0.00
05/08/2022 21:10	2.6	235	12	3.8	0.00
05/08/2022 21:20	2.5	235	13	3.5	0.00
05/08/2022 21:30	2.6	238	12	3.7	0.00
05/08/2022 21:40	2.9	240	12	3.6	0.00
05/08/2022 21:50	2.4	242	12	3.1	0.00
05/08/2022 22:00	2.4	243	12	3.2	0.00
05/08/2022 22:10	2.1	246	10	3.0	0.00
05/08/2022 22:20	1.8	246	11	2.5	0.00
05/08/2022 22:30	2.0	245	12	2.6	0.00
05/08/2022 22:40	2.0	241	11	2.7	0.00
05/08/2022 22:50	2.0	242	11	2.8	0.00
05/08/2022 23:00	2.2	246	10	3.0	0.00
05/08/2022 23:10	1.7	239	11	2.3	0.00
05/08/2022 23:20	1.8	242	11	2.5	0.00
05/08/2022 23:30	2.1	243	12	2.9	0.00
05/08/2022 23:40	1.9	243	10	2.5	0.00
05/08/2022 23:50	2.0	239	11	2.6	0.00
06/08/2022 00:00	2.1	243	10	3.0	0.00
06/08/2022 00:10	2.2	244	10	3.2	0.00
06/08/2022 00:20	1.8	243	9	2.4	0.00
06/08/2022 00:30	1.6	235	11	2.1	0.00
06/08/2022 00:40	2.1	234	12	3.1	0.00
06/08/2022 00:50	2.2	243	11	2.9	0.00
06/08/2022 01:00	2.0	243	11	2.8	0.00
06/08/2022 01:10	1.8	250	7	2.1	0.00
06/08/2022 01:20	2.0	251	8	2.6	0.00
06/08/2022 01:30	2.4	250	9	3.2	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/08/2022 01:40	2.8	251	9	3.5	0.00
06/08/2022 01:50	2.5	250	11	3.4	0.00
06/08/2022 02:00	2.6	244	10	3.4	0.00
06/08/2022 02:10	2.3	248	9	3.1	0.00
06/08/2022 02:20	1.8	246	11	2.4	0.00
06/08/2022 02:30	1.5	243	14	2.1	0.00
06/08/2022 02:40	1.4	238	17	2.2	0.00
06/08/2022 02:50	0.5	170	15	1.4	0.00
06/08/2022 03:00	0.3	181	17	1.0	0.00
06/08/2022 03:10	1.0	193	58	1.6	0.00
06/08/2022 03:20	0.9	88	22	1.7	0.00
06/08/2022 03:30	0.9	98	20	1.3	0.00
06/08/2022 03:40	0.2	82	15	0.7	0.00
06/08/2022 03:50	0.8	133	23	1.6	0.00
06/08/2022 04:00	0.9	128	32	1.7	0.00
06/08/2022 04:10	0.9	118	17	1.5	0.00
06/08/2022 04:20	0.8	70	38	1.3	0.00
06/08/2022 04:30	1.9	129	15	3.5	0.00
06/08/2022 04:40	1.7	124	11	2.4	0.00
06/08/2022 04:50	1.6	121	16	2.5	0.00
06/08/2022 05:00	1.3	118	10	1.9	0.00
06/08/2022 05:10	1.6	105	11	2.3	0.00
06/08/2022 05:20	2.3	104	13	3.4	0.00
06/08/2022 05:30	2.3	99	10	3.3	0.00
06/08/2022 05:40	2.5	94	10	3.5	0.00
06/08/2022 05:50	2.4	103	11	3.2	0.00
06/08/2022 06:00	2.2	96	10	2.8	0.00
06/08/2022 06:10	1.8	103	11	2.4	0.00
06/08/2022 06:20	2.1	98	14	3.8	0.00
06/08/2022 06:30	2.8	88	10	4.0	0.00
06/08/2022 06:40	3.0	90	9	4.2	0.00
06/08/2022 06:50	2.5	98	17	3.5	0.00
06/08/2022 07:00	1.8	108	12	2.9	0.00
06/08/2022 07:10	3.4	99	12	4.9	0.00
06/08/2022 07:20	4.3	98	11	5.6	0.00
06/08/2022 07:30	4.3	103	11	6.0	0.00
06/08/2022 07:40	4.4	103	11	6.2	0.00
06/08/2022 07:50	4.3	102	11	5.6	0.00
06/08/2022 08:00	4.4	106	12	5.8	0.00
06/08/2022 08:10	4.6	109	13	6.1	0.00
06/08/2022 08:20	4.3	106	13	5.9	0.00
06/08/2022 08:30	4.6	111	11	6.4	0.00
06/08/2022 08:40	4.7	111	12	6.4	0.00
06/08/2022 08:50	5.1	109	10	6.8	0.00
06/08/2022 09:00	5.0	115	10	6.5	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/08/2022 09:10	4.6	108	13	6.1	0.00
06/08/2022 09:20	4.7	104	12	6.5	0.00
06/08/2022 09:30	5.2	101	14	7.7	0.00
06/08/2022 09:40	6.1	95	12	7.8	0.00
06/08/2022 09:50	6.1	94	12	8.3	0.00
06/08/2022 10:00	5.8	92	13	7.6	0.00
06/08/2022 10:10	5.7	87	13	7.8	0.00
06/08/2022 10:20	6.1	87	12	8.5	0.00
06/08/2022 10:30	6.3	92	11	8.7	0.00
06/08/2022 10:40	6.0	94	12	8.7	0.00
06/08/2022 10:50	6.1	91	11	7.7	0.00
06/08/2022 11:00	6.5	79	9	8.4	0.00
06/08/2022 11:10	5.5	82	11	7.2	0.00
06/08/2022 11:20	5.5	82	12	7.5	0.00
06/08/2022 11:30	5.6	79	15	7.9	0.00
06/08/2022 11:40	5.8	73	12	7.9	0.00
06/08/2022 11:50	6.0	79	14	8.3	0.00
06/08/2022 12:00	6.3	74	10	8.8	0.00
06/08/2022 12:10	6.1	74	14	8.1	0.00
06/08/2022 12:20	5.6	68	12	7.9	0.00
06/08/2022 12:30	5.5	74	13	8.3	0.00
06/08/2022 12:40	5.9	73	12	7.6	0.00
06/08/2022 12:50	6.1	70	11	8.0	0.00
06/08/2022 13:00	5.6	71	11	7.4	0.00
06/08/2022 13:10	5.5	70	13	7.3	0.00
06/08/2022 13:20	5.6	64	16	7.4	0.00
06/08/2022 13:30	5.7	66	12	7.8	0.00
06/08/2022 13:40	5.8	56	13	8.0	0.00
06/08/2022 13:50	5.6	61	12	7.6	0.00
06/08/2022 14:00	5.3	59	12	7.1	0.00
06/08/2022 14:10	5.1	63	11	7.1	0.00
06/08/2022 14:20	5.3	63	12	6.9	0.00
06/08/2022 14:30	5.1	65	12	6.8	0.00
06/08/2022 14:40	4.8	57	13	6.3	0.00
06/08/2022 14:50	4.8	57	12	6.3	0.00
06/08/2022 15:00	4.9	59	9	6.4	0.00
06/08/2022 15:10	4.4	60	11	5.9	0.00
06/08/2022 15:20	4.0	66	12	5.3	0.00
06/08/2022 15:30	3.6	66	14	5.2	0.00
06/08/2022 15:40	3.9	71	13	5.2	0.00
06/08/2022 15:50	3.2	51	14	4.5	0.00
06/08/2022 16:00	3.0	51	15	4.3	0.00
06/08/2022 16:10	2.9	52	15	4.6	0.00
06/08/2022 16:20	3.2	41	16	4.9	0.00
06/08/2022 16:30	3.4	46	13	4.7	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/08/2022 16:40	3.5	37	16	4.8	0.00
06/08/2022 16:50	3.0	352	16	4.7	0.00
06/08/2022 17:00	2.9	6	20	4.1	0.00
06/08/2022 17:10	2.5	9	20	3.9	0.00
06/08/2022 17:20	2.9	359	16	4.2	0.00
06/08/2022 17:30	2.5	353	20	4.0	0.00
06/08/2022 17:40	2.6	182	20	3.9	0.00
06/08/2022 17:50	2.9	182	18	4.1	0.00
06/08/2022 18:00	2.7	10	19	3.9	0.00
06/08/2022 18:10	2.3	14	17	3.3	0.00
06/08/2022 18:20	2.4	7	19	3.3	0.00
06/08/2022 18:30	2.2	25	17	3.2	0.00
06/08/2022 18:40	2.2	16	17	3.5	0.00
06/08/2022 18:50	2.0	14	17	3.1	0.00
06/08/2022 19:00	1.7	2	21	2.3	0.00
06/08/2022 19:10	2.0	8	20	3.1	0.00
06/08/2022 19:20	2.3	27	19	3.3	0.00
06/08/2022 19:30	2.4	30	13	3.2	0.00
06/08/2022 19:40	2.7	32	16	3.7	0.00
06/08/2022 19:50	2.2	26	13	3.2	0.00
06/08/2022 20:00	2.0	19	15	2.7	0.00
06/08/2022 20:10	2.0	19	16	3.0	0.00
06/08/2022 20:20	2.2	20	15	3.2	0.00
06/08/2022 20:30	1.9	24	13	2.5	0.00
06/08/2022 20:40	1.3	178	23	2.0	0.00
06/08/2022 20:50	1.1	290	25	2.0	0.00
06/08/2022 21:00	1.3	302	30	2.1	0.00
06/08/2022 21:10	1.5	287	25	2.2	0.00
06/08/2022 21:20	1.5	282	12	2.2	0.00
06/08/2022 21:30	1.1	251	11	1.5	0.00
06/08/2022 21:40	1.1	285	11	1.5	0.00
06/08/2022 21:50	0.8	177	36	1.2	0.00
06/08/2022 22:00	0.9	176	38	1.4	0.00
06/08/2022 22:10	0.6	179	21	1.2	0.00
06/08/2022 22:20	0.3	117	25	0.8	0.00
06/08/2022 22:30	0.1	186	2	0.5	0.00
06/08/2022 22:40	0.5	224	8	1.6	0.00
06/08/2022 22:50	1.6	236	9	2.3	0.00
06/08/2022 23:00	1.0	234	10	1.5	0.00
06/08/2022 23:10	0.4	124	15	0.9	0.00
06/08/2022 23:20	0.2	12	7	0.9	0.00
06/08/2022 23:30	0.1	294	1	0.9	0.00
06/08/2022 23:40	0.9	297	4	1.0	0.00
06/08/2022 23:50	0.7	298	8	1.1	0.00
07/08/2022 00:00	0.5	308	5	1.1	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/08/2022 00:10	0.3	290	14	0.9	0.00
07/08/2022 00:20					0.00
07/08/2022 00:30	0.5	229	38	1.5	0.00
07/08/2022 00:40	0.8	253	17	1.2	0.00
07/08/2022 00:50	1.4	234	17	2.0	0.00
07/08/2022 01:00	0.9	268	20	1.4	0.00
07/08/2022 01:10	1.1	264	22	1.9	0.00
07/08/2022 01:20	0.9	248	56	1.9	0.00
07/08/2022 01:30	1.4	239	21	2.9	0.00
07/08/2022 01:40	2.2	234	18	3.8	0.00
07/08/2022 01:50	1.9	243	21	3.1	0.00
07/08/2022 02:00	1.4	251	22	2.7	0.00
07/08/2022 02:10	0.7	222	39	1.6	0.00
07/08/2022 02:20	0.6	217	32	1.2	0.00
07/08/2022 02:30	1.1	241	19	1.7	0.00
07/08/2022 02:40	1.2	233	19	1.8	0.00
07/08/2022 02:50	0.8	121	56	1.2	0.00
07/08/2022 03:00	0.8	182	35	1.6	0.00
07/08/2022 03:10	1.5	264	15	2.2	0.00
07/08/2022 03:20	1.7	261	13	2.3	0.00
07/08/2022 03:30	1.9	267	11	2.5	0.00
07/08/2022 03:40	1.9	270	11	2.3	0.00
07/08/2022 03:50	1.9	264	10	2.5	0.00
07/08/2022 04:00	2.0	256	9	2.6	0.00
07/08/2022 04:10	2.1	252	11	3.2	0.00
07/08/2022 04:20	2.0	252	10	2.4	0.00
07/08/2022 04:30	1.7	255	9	2.4	0.00
07/08/2022 04:40	1.3	262	13	2.0	0.00
07/08/2022 04:50	1.0	275	27	1.5	0.00
07/08/2022 05:00	0.3	272	14	1.0	0.00
07/08/2022 05:10	0.4	258	41	1.1	0.00
07/08/2022 05:20	1.0	124	22	2.0	0.00
07/08/2022 05:30	1.1	140	42	2.0	0.00
07/08/2022 05:40	1.0	108	16	1.6	0.00
07/08/2022 05:50	1.4	94	16	1.8	0.00
07/08/2022 06:00	1.1	85	18	1.6	0.00
07/08/2022 06:10	1.5	55	9	1.9	0.00
07/08/2022 06:20	1.5	70	21	2.0	0.00
07/08/2022 06:30	1.5	77	17	2.0	0.00
07/08/2022 06:40	1.3	105	19	2.0	0.00
07/08/2022 06:50	1.0	177	41	1.7	0.00
07/08/2022 07:00	0.8	237	48	1.6	0.00
07/08/2022 07:10	0.8	173	72	1.6	0.00
07/08/2022 07:20	0.8	135	30	1.4	0.00
07/08/2022 07:30	1.5	107	36	2.8	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/08/2022 07:40	1.8	124	18	2.8	0.00
07/08/2022 07:50	1.7	126	19	2.7	0.00
07/08/2022 08:00	1.9	125	20	3.0	0.00
07/08/2022 08:10	2.4	125	14	3.2	0.00
07/08/2022 08:20	2.7	127	15	3.7	0.00
07/08/2022 08:30	3.2	128	15	4.9	0.00
07/08/2022 08:40	3.8	104	13	5.4	0.00
07/08/2022 08:50	3.5	104	14	4.8	0.00
07/08/2022 09:00	3.7	103	12	4.9	0.00
07/08/2022 09:10	4.5	99	11	5.9	0.00
07/08/2022 09:20	4.7	98	12	5.9	0.00
07/08/2022 09:30	4.7	97	11	6.3	0.00
07/08/2022 09:40	4.9	99	10	6.4	0.00
07/08/2022 09:50	4.9	107	12	6.5	0.00
07/08/2022 10:00	5.2	110	13	6.8	0.00
07/08/2022 10:10	4.5	96	13	6.1	0.00
07/08/2022 10:20	4.8	107	15	6.1	0.00
07/08/2022 10:30	4.7	102	15	6.6	0.00
07/08/2022 10:40	5.0	99	14	6.8	0.00
07/08/2022 10:50	4.9	90	12	6.5	0.00
07/08/2022 11:00	5.0	96	16	6.9	0.00
07/08/2022 11:10	4.8	85	13	7.2	0.00
07/08/2022 11:20	5.0	85	12	6.6	0.00
07/08/2022 11:30	4.6	90	12	6.2	0.00
07/08/2022 11:40	4.9	81	15	6.8	0.00
07/08/2022 11:50	4.8	78	9	6.9	0.00
07/08/2022 12:00	4.9	88	12	6.6	0.00
07/08/2022 12:10	4.9	90	13	6.4	0.00
07/08/2022 12:20	4.9	90	15	7.3	0.00
07/08/2022 12:30	4.9	78	12	6.8	0.00
07/08/2022 12:40	5.5	81	10	7.6	0.00
07/08/2022 12:50	5.0	80	13	6.8	0.00
07/08/2022 13:00	5.3	78	11	7.5	0.00
07/08/2022 13:10	5.6	79	11	7.4	0.00
07/08/2022 13:20	5.1	77	11	7.5	0.00
07/08/2022 13:30	5.4	75	10	7.3	0.00
07/08/2022 13:40	4.7	74	13	6.8	0.00
07/08/2022 13:50	4.9	73	12	6.4	0.00
07/08/2022 14:00	4.2	83	12	6.0	0.00
07/08/2022 14:10	3.9	83	13	5.5	0.00
07/08/2022 14:20	3.5	85	13	4.6	0.00
07/08/2022 14:30	3.2	76	15	4.7	0.00
07/08/2022 14:40	3.1	75	15	4.4	0.00
07/08/2022 14:50	3.1	73	15	4.2	0.00
07/08/2022 15:00	3.2	65	17	4.4	0.00





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/08/2022 15:10	3.4	75	14	4.8	0.00
07/08/2022 15:20	2.9	69	19	4.0	0.00
07/08/2022 15:30	3.1	88	14	4.8	0.00
07/08/2022 15:40	2.7	77	16	3.8	0.00
07/08/2022 15:50	1.5	77	41	2.6	0.00
07/08/2022 16:00	2.0	190	43	4.0	0.00
07/08/2022 16:10	2.1	23	26	3.5	0.00
07/08/2022 16:20	3.0	179	17	4.4	0.00
07/08/2022 16:30	2.6	7	17	3.8	0.00
07/08/2022 16:40	2.3	4	18	3.5	0.00
07/08/2022 16:50	2.4	356	20	3.2	0.00
07/08/2022 17:00	2.4	180	19	3.6	0.00
07/08/2022 17:10	2.6	178	15	3.6	0.00
07/08/2022 17:20	2.1	182	18	2.8	0.00
07/08/2022 17:30	2.2	357	18	3.2	0.00
07/08/2022 17:40	2.5	180	19	3.5	0.00
07/08/2022 17:50	2.4	355	19	3.5	0.00
07/08/2022 18:00	2.5	7	14	3.8	0.00
07/08/2022 18:10	2.4	9	18	3.5	0.00
07/08/2022 18:20	2.6	9	14	3.6	0.00
07/08/2022 18:30	2.1	8	17	3.0	0.00
07/08/2022 18:40	2.0	6	19	3.2	0.00
07/08/2022 18:50	2.5	184	19	3.7	0.00
07/08/2022 19:00	2.3	10	19	3.3	0.00
07/08/2022 19:10	2.4	21	18	3.3	0.00
07/08/2022 19:20	2.2	17	18	3.2	0.00
07/08/2022 19:30	0.9	335	49	1.9	0.00
07/08/2022 19:40	0.9	341	54	1.9	0.00
07/08/2022 19:50	0.7	250	52	1.5	0.00
07/08/2022 20:00	1.5	290	23	2.6	0.00
07/08/2022 20:10	1.6	256	15	2.4	0.00
07/08/2022 20:20	2.8	255	9	3.6	0.00
07/08/2022 20:30	3.0	255	8	3.8	0.00
07/08/2022 20:40	2.9	250	8	3.6	0.00
07/08/2022 20:50	2.7	249	8	3.3	0.00
07/08/2022 21:00	1.9	242	9	2.4	0.00
07/08/2022 21:10	1.8	245	8	2.3	0.00
07/08/2022 21:20	1.4	244	8	1.8	0.00
07/08/2022 21:30	1.4	247	9	1.8	0.00
07/08/2022 21:40	1.7	250	10	2.3	0.00
07/08/2022 21:50	2.5	257	8	3.2	0.00
07/08/2022 22:00	1.9	250	10	2.6	0.00
07/08/2022 22:10	1.7	246	8	2.0	0.00
07/08/2022 22:20	1.6	248	8	2.0	0.00
07/08/2022 22:30	1.6	245	6	1.9	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/08/2022 22:40	1.8	240	7	2.2	0.00
07/08/2022 22:50	1.9	243	7	2.5	0.00
07/08/2022 23:00	1.9	242	7	2.3	0.00
07/08/2022 23:10	1.8	242	6	2.0	0.00
07/08/2022 23:20	1.8	242	7	2.2	0.00
07/08/2022 23:30	1.7	243	6	2.0	0.00
07/08/2022 23:40	1.8	250	7	2.2	0.00
07/08/2022 23:50	1.5	248	6	1.7	0.00
08/08/2022 00:00	1.2	248	7	1.5	0.00
08/08/2022 00:10	1.8	258	8	2.4	0.00
08/08/2022 00:20	1.7	257	9	2.3	0.00
08/08/2022 00:30	1.5	251	8	2.1	0.00
08/08/2022 00:40	1.5	252	7	1.8	0.00
08/08/2022 00:50	1.4	246	6	1.6	0.00
08/08/2022 01:00	1.8	253	8	2.6	0.00
08/08/2022 01:10	2.4	247	11	3.6	0.00
08/08/2022 01:20	2.2	253	9	3.0	0.00
08/08/2022 01:30	2.4	258	9	3.2	0.00
08/08/2022 01:40	2.1	255	8	2.8	0.00
08/08/2022 01:50	1.8	251	7	2.2	0.00
08/08/2022 02:00	1.8	243	9	2.5	0.00
08/08/2022 02:10	2.4	256	9	3.2	0.00
08/08/2022 02:20	2.5	256	11	3.1	0.00
08/08/2022 02:30	2.3	252	11	3.1	0.00
08/08/2022 02:40	2.0	253	8	2.5	0.00
08/08/2022 02:50	1.7	249	9	2.3	0.00
08/08/2022 03:00	1.2	251	7	1.6	0.00
08/08/2022 03:10	1.4	253	9	1.7	0.00
08/08/2022 03:20	1.9	253	8	2.4	0.00
08/08/2022 03:30	2.3	251	10	3.0	0.00
08/08/2022 03:40	2.4	253	9	3.1	0.00
08/08/2022 03:50	2.1	249	11	2.5	0.00
08/08/2022 04:00	1.9	247	11	2.6	0.00
08/08/2022 04:10	1.7	253	9	2.2	0.00
08/08/2022 04:20	1.7	257	9	2.2	0.00
08/08/2022 04:30	1.7	255	8	2.2	0.00
08/08/2022 04:40	1.6	256	7	2.1	0.00
08/08/2022 04:50	1.6	244	8	2.1	0.00
08/08/2022 05:00	1.8	243	11	2.4	0.00
08/08/2022 05:10	1.9	251	8	2.4	0.00
08/08/2022 05:20	2.2	255	9	2.8	0.00
08/08/2022 05:30	2.2	248	9	3.0	0.00
08/08/2022 05:40	1.6	253	9	2.1	0.00
08/08/2022 05:50	1.9	249	8	2.5	0.00
08/08/2022 06:00	1.3	244	8	1.8	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/08/2022 06:10	0.5	249	18	1.2	0.00
08/08/2022 06:20	1.2	262	10	1.9	0.00
08/08/2022 06:30	1.4	229	18	2.1	0.00
08/08/2022 06:40	0.2	37	22	0.9	0.00
08/08/2022 06:50	1.4	274	7	1.6	0.00
08/08/2022 07:00	0.6	259	9	1.2	0.00
08/08/2022 07:10	0.4	259	9	1.0	0.00
08/08/2022 07:20	0.1	233	11	0.6	0.00
08/08/2022 07:30	0.1	71	12	0.5	0.00
08/08/2022 07:40	0.6	163	37	1.2	0.00
08/08/2022 07:50	0.8	221	22	1.3	0.00
08/08/2022 08:00	0.8	202	38	1.3	0.00
08/08/2022 08:10	0.6	193	67	1.2	0.00
08/08/2022 08:20	0.7	153	67	1.7	0.00
08/08/2022 08:30	1.5	142	23	2.4	0.00
08/08/2022 08:40	1.0	162	64	1.7	0.00
08/08/2022 08:50	0.9	196	94	2.0	0.00
08/08/2022 09:00	1.7	132	43	2.7	0.00
08/08/2022 09:10	2.1	133	18	2.9	0.00
08/08/2022 09:20	2.1	124	18	3.2	0.00
08/08/2022 09:30	2.8	107	14	4.0	0.00
08/08/2022 09:40	2.7	106	14	3.6	0.00
08/08/2022 09:50	2.5	112	17	3.5	0.00
08/08/2022 10:00	2.6	92	13	3.6	0.00
08/08/2022 10:10	2.4	95	18	3.6	0.00
08/08/2022 10:20	2.6	74	15	3.6	0.00
08/08/2022 10:30	2.7	93	19	3.7	0.00
08/08/2022 10:40	2.4	98	21	3.6	0.00
08/08/2022 10:50	2.4	79	15	4.0	0.00
08/08/2022 11:00	2.5	106	20	4.1	0.00
08/08/2022 11:10	2.1	87	19	3.5	0.00
08/08/2022 11:20	2.3	84	18	3.5	0.00
08/08/2022 11:30	2.4	83	15	3.6	0.00
08/08/2022 11:40	2.5	102	20	3.9	0.00
08/08/2022 11:50	2.0	117	35	3.5	0.00
08/08/2022 12:00	1.9	96	30	2.8	0.00
08/08/2022 12:10	1.4	127	63	2.9	0.00
08/08/2022 12:20	1.1	138	55	2.4	0.00
08/08/2022 12:30	1.6	35	27	2.6	0.00
08/08/2022 12:40	1.8	87	37	2.8	0.00
08/08/2022 12:50	2.5	177	69	4.1	0.00
08/08/2022 13:00	2.1	163	31	3.2	0.00
08/08/2022 13:10	2.9	301	20	4.4	0.00
08/08/2022 13:20	2.5	313	22	3.6	0.00
08/08/2022 13:30	2.8	317	32	4.3	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/08/2022 13:40	2.7	312	26	4.2	0.00
08/08/2022 13:50	3.6	296	10	4.4	0.00
08/08/2022 14:00	3.8	298	10	4.8	0.00
08/08/2022 14:10	3.3	300	12	4.4	0.00
08/08/2022 14:20	2.6	294	20	4.0	0.00
08/08/2022 14:30	3.0	305	16	4.2	0.00
08/08/2022 14:40	3.5	299	10	4.7	0.00
08/08/2022 14:50	4.2	295	12	5.3	0.00
08/08/2022 15:00	4.0	295	11	5.2	0.00
08/08/2022 15:10	3.8	300	12	5.0	0.00
08/08/2022 15:20	3.9	296	12	5.4	0.00
08/08/2022 15:30	4.1	293	13	5.2	0.00
08/08/2022 15:40	3.7	296	13	4.8	0.00
08/08/2022 15:50	3.6	291	13	5.2	0.00
08/08/2022 16:00	4.3	296	8	5.3	0.00
08/08/2022 16:10	3.7	300	12	4.9	0.00
08/08/2022 16:20	3.5	303	12	4.4	0.00
08/08/2022 16:30	3.2	289	15	4.4	0.00
08/08/2022 16:40	3.5	279	18	4.6	0.00
08/08/2022 16:50	3.5	286	16	4.8	0.00
08/08/2022 17:00	3.6	293	12	4.8	0.00
08/08/2022 17:10	3.3	289	15	4.4	0.00
08/08/2022 17:20	3.3	291	13	4.4	0.00
08/08/2022 17:30	3.5	296	9	4.4	0.00
08/08/2022 17:40	3.3	296	10	4.4	0.00
08/08/2022 17:50	3.5	288	12	4.8	0.00
08/08/2022 18:00	3.5	289	11	5.0	0.00
08/08/2022 18:10	3.4	292	13	4.8	0.00
08/08/2022 18:20	3.0	283	13	4.2	0.00
08/08/2022 18:30	2.8	287	12	3.6	0.00
08/08/2022 18:40	2.2	282	14	3.2	0.00
08/08/2022 18:50	2.5	269	14	3.4	0.00
08/08/2022 19:00	3.0	268	12	4.1	0.00
08/08/2022 19:10	3.0	264	11	3.8	0.00
08/08/2022 19:20	3.0	263	10	4.4	0.00
08/08/2022 19:30	4.0	260	10	5.1	0.00
08/08/2022 19:40	3.4	252	12	4.6	0.00
08/08/2022 19:50	3.3	253	11	4.4	0.00
08/08/2022 20:00	3.4	256	14	4.4	0.00
08/08/2022 20:10	3.6	252	13	4.8	0.00
08/08/2022 20:20	3.3	248	12	4.4	0.00
08/08/2022 20:30	3.6	248	14	4.9	0.00
08/08/2022 20:40	3.6	249	11	4.9	0.00
08/08/2022 20:50	3.7	252	12	5.0	0.00
08/08/2022 21:00	3.8	254	11	5.1	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/08/2022 21:10	3.4	250	13	4.4	0.00
08/08/2022 21:20	2.7	247	12	3.7	0.00
08/08/2022 21:30	3.0	253	12	4.0	0.00
08/08/2022 21:40	2.7	253	12	3.6	0.00
08/08/2022 21:50	2.8	254	12	3.6	0.00
08/08/2022 22:00	2.9	252	12	4.0	0.00
08/08/2022 22:10	3.4	254	12	4.7	0.00
08/08/2022 22:20	3.1	257	9	4.3	0.00
08/08/2022 22:30	3.4	255	12	4.4	0.00
08/08/2022 22:40	2.8	256	12	3.9	0.00
08/08/2022 22:50	2.7	258	11	3.4	0.00
08/08/2022 23:00	2.7	260	9	3.5	0.00
08/08/2022 23:10	2.5	262	10	3.3	0.00
08/08/2022 23:20	2.5	259	9	3.1	0.00
08/08/2022 23:30	2.6	262	10	3.3	0.00
08/08/2022 23:40	2.3	261	9	2.9	0.00
08/08/2022 23:50	2.8	264	8	3.3	0.00
09/08/2022 00:00	2.9	264	8	3.9	0.00
09/08/2022 00:10	2.6	260	9	3.5	0.00
09/08/2022 00:20	2.0	261	11	2.8	0.00
09/08/2022 00:30	2.2	261	10	2.9	0.00
09/08/2022 00:40	2.1	262	8	2.8	0.00
09/08/2022 00:50	2.3	260	10	3.1	0.00
09/08/2022 01:00	2.0	263	9	2.8	0.00
09/08/2022 01:10	2.5	260	9	3.5	0.00
09/08/2022 01:20	3.0	266	9	4.2	0.00
09/08/2022 01:30	3.1	260	9	3.8	0.00
09/08/2022 01:40	3.5	263	7	4.4	0.00
09/08/2022 01:50	3.4	260	9	4.5	0.00
09/08/2022 02:00	3.6	259	9	4.2	0.00
09/08/2022 02:10	3.9	256	9	4.7	0.00
09/08/2022 02:20	3.4	255	9	4.7	0.00
09/08/2022 02:30	3.5	256	9	4.4	0.00
09/08/2022 02:40	3.7	256	10	4.8	0.00
09/08/2022 02:50	3.2	257	13	4.0	0.00
09/08/2022 03:00	2.7	248	12	3.8	0.00
09/08/2022 03:10	2.7	249	11	3.9	0.00
09/08/2022 03:20	2.5	251	12	3.3	0.00
09/08/2022 03:30	1.6	243	16	2.4	0.00
09/08/2022 03:40	2.1	239	16	3.1	0.00
09/08/2022 03:50	3.1	231	14	4.4	0.00
09/08/2022 04:00	3.7	225	17	5.6	0.00
09/08/2022 04:10	4.3	221	15	6.2	0.00
09/08/2022 04:20	3.8	219	16	5.2	0.00
09/08/2022 04:30	3.5	221	16	5.1	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/08/2022 04:40	3.9	218	16	5.2	0.00
09/08/2022 04:50	3.5	217	15	5.0	0.00
09/08/2022 05:00	3.2	219	16	4.4	0.00
09/08/2022 05:10	3.1	219	15	4.0	0.00
09/08/2022 05:20	2.9	221	15	4.0	0.00
09/08/2022 05:30	3.2	221	16	4.2	0.00
09/08/2022 05:40	3.3	222	16	4.6	0.00
09/08/2022 05:50	3.0	220	15	4.1	0.00
09/08/2022 06:00	2.6	221	18	3.7	0.00
09/08/2022 06:10	2.2	221	17	3.0	0.00
09/08/2022 06:20	2.6	222	15	3.8	0.00
09/08/2022 06:30	3.0	219	15	4.2	0.00
09/08/2022 06:40	2.9	225	18	4.4	0.00
09/08/2022 06:50	3.2	218	20	4.5	0.00
09/08/2022 07:00	2.7	221	22	3.9	0.00
09/08/2022 07:10	2.7	218	17	3.6	0.00
09/08/2022 07:20	2.4	224	18	3.6	0.00
09/08/2022 07:30	2.8	223	16	3.7	0.00
09/08/2022 07:40	3.1	219	17	4.2	0.00
09/08/2022 07:50	4.0	218	18	5.8	0.00
09/08/2022 08:00	4.4	219	15	6.3	0.00
09/08/2022 08:10	3.7	219	33	5.4	0.00
09/08/2022 08:20	4.4	217	20	6.0	0.00
09/08/2022 08:30	3.9	219	34	6.4	0.00
09/08/2022 08:40	3.0	245	70	5.6	0.00
09/08/2022 08:50	2.0	212	80	3.0	0.00
09/08/2022 09:00	2.1	187	84	3.5	0.00
09/08/2022 09:10	2.1	145	98	3.8	0.00
09/08/2022 09:20	2.0	327	90	3.9	0.00
09/08/2022 09:30	2.4	250	82	3.8	0.00
09/08/2022 09:40	2.0	334	74	3.0	0.00
09/08/2022 09:50	1.9	223	89	2.7	0.00
09/08/2022 10:00	2.0	263	94	3.4	0.00
09/08/2022 10:10	2.0	212	83	3.6	0.00
09/08/2022 10:20	2.0	78	88	3.6	0.00
09/08/2022 10:30	2.1	90	68	4.0	0.00
09/08/2022 10:40	1.7	186	79	2.6	0.00
09/08/2022 10:50	1.8	210	88	3.4	0.00
09/08/2022 11:00	2.1	134	81	4.0	0.00
09/08/2022 11:10	1.7	142	101	2.9	0.00
09/08/2022 11:20	2.1	152	91	4.0	0.00
09/08/2022 11:30	2.0	280	88	3.4	0.00
09/08/2022 11:40	1.9	87	82	2.8	0.00
09/08/2022 11:50	1.8	291	90	2.8	0.00
09/08/2022 12:00	1.6	215	86	2.6	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/08/2022 12:10	2.1	285	77	3.3	0.00
09/08/2022 12:20	2.1	249	78	4.2	0.00
09/08/2022 12:30	1.5	293	85	2.5	0.00
09/08/2022 12:40	3.1	221	27	4.8	0.00
09/08/2022 12:50	3.0	224	41	4.8	0.00
09/08/2022 13:00	2.7	224	38	4.0	0.00
09/08/2022 13:10	3.8	217	13	4.9	0.00
09/08/2022 13:20	4.2	221	16	5.6	0.00
09/08/2022 13:30	2.8	222	41	4.7	0.00
09/08/2022 13:40	2.1	235	63	3.8	0.00
09/08/2022 13:50	2.2	248	67	4.4	0.00
09/08/2022 14:00	3.2	219	38	5.2	0.00
09/08/2022 14:10	3.4	217	51	5.5	0.00
09/08/2022 14:20	3.6	216	23	5.2	0.00
09/08/2022 14:30	4.0	214	20	5.6	0.00
09/08/2022 14:40	3.3	220	37	5.2	0.00
09/08/2022 14:50	2.3	250	75	4.2	0.00
09/08/2022 15:00	3.1	223	47	5.6	0.00
09/08/2022 15:10	2.2	169	88	4.1	0.00
09/08/2022 15:20	2.6	251	67	4.4	0.00
09/08/2022 15:30	2.6	232	72	5.4	0.00
09/08/2022 15:40	1.9	170	86	3.0	0.00
09/08/2022 15:50	2.5	215	69	4.6	0.00
09/08/2022 16:00	2.0	126	95	4.4	0.00
09/08/2022 16:10	2.1	156	87	3.6	0.00
09/08/2022 16:20	3.2	222	54	5.5	0.00
09/08/2022 16:30	2.3	250	73	3.7	0.00
09/08/2022 16:40	2.2	207	75	4.7	0.00
09/08/2022 16:50	1.8	237	82	3.2	0.00
09/08/2022 17:00	2.4	219	46	4.3	0.00
09/08/2022 17:10	2.1	238	77	3.6	0.00
09/08/2022 17:20	1.9	279	74	2.9	0.00
09/08/2022 17:30	1.6	148	84	3.4	0.00
09/08/2022 17:40	1.7	241	80	3.2	0.00
09/08/2022 17:50	1.4	273	77	2.0	0.00
09/08/2022 18:00	1.6	268	69	2.8	0.00
09/08/2022 18:10	1.2	220	69	2.1	0.00
09/08/2022 18:20	1.2	225	42	1.9	0.00
09/08/2022 18:30	0.9	227	55	1.3	0.00
09/08/2022 18:40	0.4	228	32	1.0	0.00
09/08/2022 18:50	0.7	219	43	1.1	0.00
09/08/2022 19:00	0.2	183	29	0.6	0.00
09/08/2022 19:10	0.0	239	0	0.4	0.00
09/08/2022 19:20	0.5	245	14	0.8	0.00
09/08/2022 19:30	0.9	239	17	1.3	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/08/2022 19:40	1.0	243	12	1.3	0.00
09/08/2022 19:50	1.5	240	10	2.0	0.00
09/08/2022 20:00	1.4	246	9	1.8	0.00
09/08/2022 20:10	1.6	246	8	2.1	0.00
09/08/2022 20:20	1.8	238	12	2.5	0.00
09/08/2022 20:30	0.8	206	36	1.2	0.00
09/08/2022 20:40	0.3	149	12	0.8	0.00
09/08/2022 20:50	0.4	269	9	0.9	0.00
09/08/2022 21:00					0.00
09/08/2022 21:10	0.2	294	3	0.8	0.00
09/08/2022 21:20	0.9	279	16	1.2	0.00
09/08/2022 21:30	1.2	239	12	1.8	0.00
09/08/2022 21:40	0.9	241	14	1.2	0.00
09/08/2022 21:50	1.1	250	10	1.5	0.00
09/08/2022 22:00	1.1	234	13	1.4	0.00
09/08/2022 22:10	0.8	239	17	1.2	0.00
09/08/2022 22:20	1.3	218	22	1.8	0.00
09/08/2022 22:30	1.8	220	13	2.4	0.00
09/08/2022 22:40	1.7	222	18	2.1	0.00
09/08/2022 22:50	2.2	223	18	3.2	0.00
09/08/2022 23:00	2.3	219	14	3.0	0.00
09/08/2022 23:10	2.4	223	14	3.5	0.00
09/08/2022 23:20	2.7	220	14	3.6	0.00
09/08/2022 23:30	2.4	221	17	3.2	0.00
09/08/2022 23:40	2.5	219	14	3.4	0.00
09/08/2022 23:50	2.8	216	18	4.0	0.00
10/08/2022 00:00	2.3	218	31	3.8	0.00
10/08/2022 00:10	1.6	239	57	2.8	0.00
10/08/2022 00:20	1.3	286	75	2.4	0.00
10/08/2022 00:30	2.3	220	29	3.6	0.00
10/08/2022 00:40	2.2	216	25	3.2	0.00
10/08/2022 00:50	2.6	221	13	3.6	0.00
10/08/2022 01:00	2.6	223	14	3.6	0.00
10/08/2022 01:10	3.0	220	16	3.9	0.00
10/08/2022 01:20	3.3	218	20	4.4	0.00
10/08/2022 01:30	2.6	220	39	3.9	0.00
10/08/2022 01:40	2.1	230	61	3.8	0.00
10/08/2022 01:50	1.7	294	84	3.1	0.00
10/08/2022 02:00	1.6	283	91	2.9	0.00
10/08/2022 02:10	1.6	182	86	4.3	0.00
10/08/2022 02:20	1.7	183	79	2.8	0.00
10/08/2022 02:30	1.6	176	83	3.0	0.00
10/08/2022 02:40	1.7	40	81	2.9	0.00
10/08/2022 02:50	1.7	78	71	3.1	0.00
10/08/2022 03:00	1.7	122	81	2.7	0.00





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/08/2022 03:10	2.0	136	50	3.1	0.00
10/08/2022 03:20	1.8	125	62	3.2	0.00
10/08/2022 03:30	1.9	141	52	2.9	0.00
10/08/2022 03:40	1.9	139	50	3.3	0.00
10/08/2022 03:50	1.6	138	71	2.8	0.00
10/08/2022 04:00	1.3	118	71	2.0	0.00
10/08/2022 04:10	1.1	124	74	1.9	0.00
10/08/2022 04:20	1.1	212	90	2.0	0.00
10/08/2022 04:30	1.0	246	79	1.7	0.00
10/08/2022 04:40	1.5	223	47	2.6	0.00
10/08/2022 04:50	1.3	228	23	2.0	0.00
10/08/2022 05:00	1.6	232	13	2.2	0.00
10/08/2022 05:10	1.8	226	16	2.6	0.00
10/08/2022 05:20	1.7	227	17	2.5	0.00
10/08/2022 05:30	1.6	227	14	2.4	0.00
10/08/2022 05:40	2.0	227	13	2.9	0.00
10/08/2022 05:50	2.2	220	15	3.1	0.00
10/08/2022 06:00	2.1	217	14	2.7	0.00
10/08/2022 06:10	2.2	218	15	2.8	0.00
10/08/2022 06:20	2.1	217	17	3.0	0.00
10/08/2022 06:30	1.6	218	23	2.4	0.00
10/08/2022 06:40	1.4	220	21	2.1	0.00
10/08/2022 06:50	1.2	219	21	1.9	0.00
10/08/2022 07:00	1.2	218	25	1.8	0.00
10/08/2022 07:10	1.6	222	15	2.1	0.00
10/08/2022 07:20	1.7	223	14	2.1	0.00
10/08/2022 07:30	1.8	222	14	2.5	0.00
10/08/2022 07:40	1.5	236	15	2.0	0.00
10/08/2022 07:50	1.4	235	13	2.1	0.00
10/08/2022 08:00	0.9	198	60	1.5	0.00
10/08/2022 08:10	2.3	146	30	3.5	0.00
10/08/2022 08:20	2.1	146	42	3.2	0.00
10/08/2022 08:30	2.2	140	39	3.6	0.00
10/08/2022 08:40	2.7	144	29	4.4	0.00
10/08/2022 08:50	3.4	136	19	5.2	0.00
10/08/2022 09:00	3.9	138	17	5.6	0.00
10/08/2022 09:10	3.8	136	17	5.2	0.00
10/08/2022 09:20	3.9	128	17	6.0	0.00
10/08/2022 09:30	4.0	122	15	5.9	0.00
10/08/2022 09:40	4.9	104	15	7.1	0.00
10/08/2022 09:50	4.2	113	18	6.1	0.00
10/08/2022 10:00	4.3	122	16	5.8	0.00
10/08/2022 10:10	5.7	106	13	8.3	0.00
10/08/2022 10:20	5.7	108	12	7.8	0.00
10/08/2022 10:30	6.2	105	13	8.8	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/08/2022 10:40	6.4	108	13	8.8	0.00
10/08/2022 10:50	6.0	107	14	8.0	0.00
10/08/2022 11:00	5.5	104	13	8.0	0.00
10/08/2022 11:10	5.3	110	13	7.3	0.00
10/08/2022 11:20	4.9	105	12	6.8	0.00
10/08/2022 11:30	5.6	96	15	8.7	0.00
10/08/2022 11:40	5.3	90	11	7.6	0.00
10/08/2022 11:50	5.2	95	13	7.5	0.00
10/08/2022 12:00	4.9	88	14	6.8	0.00
10/08/2022 12:10	5.0	85	14	6.9	0.00
10/08/2022 12:20	4.7	84	12	6.2	0.00
10/08/2022 12:30	4.7	81	12	6.8	0.00
10/08/2022 12:40	4.5	78	14	6.3	0.00
10/08/2022 12:50	4.0	86	17	6.0	0.00
10/08/2022 13:00	4.2	83	13	6.1	0.00
10/08/2022 13:10	3.9	84	15	5.8	0.00
10/08/2022 13:20	3.7	96	13	5.2	0.00
10/08/2022 13:30	4.0	77	18	5.9	0.00
10/08/2022 13:40	4.5	72	15	5.9	0.00
10/08/2022 13:50	4.8	76	11	7.2	0.00
10/08/2022 14:00	4.5	77	15	6.4	0.00
10/08/2022 14:10	4.4	78	12	5.9	0.00
10/08/2022 14:20	4.4	79	14	5.5	0.00
10/08/2022 14:30	4.5	83	13	6.0	0.00
10/08/2022 14:40	4.1	83	12	6.1	0.00
10/08/2022 14:50	4.3	84	12	6.0	0.00
10/08/2022 15:00	4.4	74	13	6.3	0.00
10/08/2022 15:10	4.5	79	11	6.4	0.00
10/08/2022 15:20	4.1	77	13	5.5	0.00
10/08/2022 15:30	3.8	75	15	5.4	0.00
10/08/2022 15:40	3.8	81	11	4.9	0.00
10/08/2022 15:50	3.9	79	15	5.4	0.00
10/08/2022 16:00	4.2	75	12	5.8	0.00
10/08/2022 16:10	4.4	72	13	5.9	0.00
10/08/2022 16:20	4.8	75	11	6.1	0.00
10/08/2022 16:30	4.2	72	13	5.8	0.00
10/08/2022 16:40	3.9	65	11	5.1	0.00
10/08/2022 16:50	3.7	66	13	5.9	0.00
10/08/2022 17:00	3.7	64	13	5.2	0.00
10/08/2022 17:10	3.4	66	11	5.2	0.00
10/08/2022 17:20	2.9	64	12	4.0	0.00
10/08/2022 17:30	2.2	53	15	3.3	0.00
10/08/2022 17:40	1.5	146	45	2.6	0.00
10/08/2022 17:50	1.7	248	21	2.8	0.00
10/08/2022 18:00	3.5	254	12	5.0	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/08/2022 18:10	3.3	249	10	4.2	0.00
10/08/2022 18:20	3.0	246	12	4.0	0.00
10/08/2022 18:30	2.7	246	11	3.6	0.00
10/08/2022 18:40	3.1	240	11	3.8	0.00
10/08/2022 18:50	2.9	243	10	3.8	0.00
10/08/2022 19:00	3.1	248	10	4.0	0.00
10/08/2022 19:10	2.5	242	13	3.6	0.00
10/08/2022 19:20	2.5	252	15	3.6	0.00
10/08/2022 19:30	2.0	244	18	2.9	0.00
10/08/2022 19:40	2.1	237	15	3.1	0.00
10/08/2022 19:50	1.7	233	15	2.6	0.00
10/08/2022 20:00	1.6	237	13	2.8	0.00
10/08/2022 20:10	1.1	237	16	1.6	0.00
10/08/2022 20:20	1.0	181	26	1.5	0.00
10/08/2022 20:30	0.2	200	14	0.8	0.00
10/08/2022 20:40					0.00
10/08/2022 20:50	0.7	232	29	1.2	0.00
10/08/2022 21:00	0.7	177	27	1.0	0.00
10/08/2022 21:10	0.0	130	0	0.4	0.00
10/08/2022 21:20	0.8	296	8	0.9	0.00
10/08/2022 21:30	0.4	27	22	0.7	0.00
10/08/2022 21:40	1.0	66	24	1.4	0.00
10/08/2022 21:50	0.2	168	13	0.7	0.00
10/08/2022 22:00	0.6	47	7	0.9	0.00
10/08/2022 22:10	0.8	23	10	1.0	0.00
10/08/2022 22:20	1.0	34	16	1.4	0.00
10/08/2022 22:30	1.0	61	7	1.5	0.00
10/08/2022 22:40	0.0	1	0	0.4	0.00
10/08/2022 22:50	0.2	292	4	0.8	0.00
10/08/2022 23:00	0.1	94	2	0.8	0.00
10/08/2022 23:10	0.4	209	28	1.0	0.00
10/08/2022 23:20	0.2	203	15	0.8	0.00
10/08/2022 23:30	0.0	97	0	0.4	0.00
10/08/2022 23:40	0.6	101	15	1.2	0.00
10/08/2022 23:50	0.7	64	15	1.1	0.00
11/08/2022 00:00	1.0	79	12	1.5	0.00
11/08/2022 00:10	1.4	86	8	2.0	0.00
11/08/2022 00:20	1.5	91	9	2.0	0.00
11/08/2022 00:30	1.3	94	10	1.8	0.00
11/08/2022 00:40	2.2	91	9	2.9	0.00
11/08/2022 00:50	1.9	92	9	2.8	0.00
11/08/2022 01:00	2.1	93	10	3.1	0.00
11/08/2022 01:10	2.3	102	9	3.0	0.00
11/08/2022 01:20	2.4	96	9	3.4	0.00
11/08/2022 01:30	2.0	94	11	2.8	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/08/2022 01:40	2.1	89	10	2.9	0.00
11/08/2022 01:50	2.3	91	12	3.5	0.00
11/08/2022 02:00	2.0	86	11	2.8	0.00
11/08/2022 02:10	1.9	83	11	2.5	0.00
11/08/2022 02:20	1.9	83	9	2.4	0.00
11/08/2022 02:30	1.8	92	10	2.7	0.00
11/08/2022 02:40	1.4	99	12	1.9	0.00
11/08/2022 02:50	1.3	120	13	1.7	0.00
11/08/2022 03:00	1.6	120	12	2.3	0.00
11/08/2022 03:10	1.5	97	8	2.2	0.00
11/08/2022 03:20	1.4	104	13	1.9	0.00
11/08/2022 03:30	1.5	100	16	2.1	0.00
11/08/2022 03:40	1.9	104	9	2.4	0.00
11/08/2022 03:50	2.2	101	12	3.2	0.00
11/08/2022 04:00	2.5	99	11	3.1	0.00
11/08/2022 04:10	2.4	96	12	3.2	0.00
11/08/2022 04:20	2.4	109	9	3.3	0.00
11/08/2022 04:30	2.1	107	9	2.8	0.00
11/08/2022 04:40	2.3	103	13	3.5	0.00
11/08/2022 04:50	2.9	103	11	4.3	0.00
11/08/2022 05:00	3.5	100	12	5.6	0.00
11/08/2022 05:10	2.8	92	12	4.0	0.00
11/08/2022 05:20	3.1	93	11	4.0	0.00
11/08/2022 05:30	3.3	97	12	4.8	0.00
11/08/2022 05:40	3.3	97	14	4.8	0.00
11/08/2022 05:50	3.4	100	13	4.9	0.00
11/08/2022 06:00	3.9	105	11	5.5	0.00
11/08/2022 06:10	4.4	105	11	6.1	0.00
11/08/2022 06:20	4.6	105	11	6.2	0.00
11/08/2022 06:30	4.6	108	12	6.6	0.00
11/08/2022 06:40	4.2	102	11	6.1	0.00
11/08/2022 06:50	4.5	99	12	6.5	0.00
11/08/2022 07:00	4.4	102	14	6.0	0.00
11/08/2022 07:10	4.4	100	11	5.8	0.00
11/08/2022 07:20	4.9	107	11	7.2	0.00
11/08/2022 07:30	5.5	102	10	7.4	0.00
11/08/2022 07:40	5.2	106	11	7.5	0.00
11/08/2022 07:50	5.4	108	11	7.6	0.00
11/08/2022 08:00	5.9	107	11	8.0	0.00
11/08/2022 08:10	5.9	108	13	8.4	0.00
11/08/2022 08:20	5.4	107	13	7.4	0.00
11/08/2022 08:30	6.5	109	13	9.5	0.00
11/08/2022 08:40	6.1	106	12	8.1	0.00
11/08/2022 08:50	5.9	115	14	8.8	0.00
11/08/2022 09:00	6.1	110	13	9.3	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/08/2022 09:10	7.2	106	13	10.3	0.00
11/08/2022 09:20	6.7	110	13	10.2	0.00
11/08/2022 09:30	6.6	112	14	9.7	0.00
11/08/2022 09:40	6.0	117	15	9.1	0.00
11/08/2022 09:50	6.4	114	16	9.9	0.00
11/08/2022 10:00	5.7	117	14	8.7	0.00
11/08/2022 10:10	5.7	120	16	8.6	0.00
11/08/2022 10:20	5.3	120	16	8.3	0.00
11/08/2022 10:30	5.3	124	13	7.3	0.00
11/08/2022 10:40	5.9	110	15	8.5	0.00
11/08/2022 10:50	6.1	109	12	9.0	0.00
11/08/2022 11:00	6.0	105	12	8.4	0.00
11/08/2022 11:10	5.5	113	17	7.9	0.00
11/08/2022 11:20	5.5	114	15	7.9	0.00
11/08/2022 11:30	6.0	109	11	8.0	0.00
11/08/2022 11:40	5.5	106	13	7.9	0.00
11/08/2022 11:50	5.4	116	17	7.9	0.00
11/08/2022 12:00	5.5	111	14	8.3	0.00
11/08/2022 12:10	5.2	103	14	7.3	0.00
11/08/2022 12:20	5.3	105	15	7.5	0.00
11/08/2022 12:30	5.8	107	13	7.9	0.00
11/08/2022 12:40	5.8	104	13	8.0	0.00
11/08/2022 12:50	5.2	96	12	7.4	0.00
11/08/2022 13:00	5.7	98	13	7.5	0.00
11/08/2022 13:10	5.1	87	14	6.7	0.00
11/08/2022 13:20	5.3	87	14	8.0	0.00
11/08/2022 13:30	5.1	75	14	7.7	0.00
11/08/2022 13:40	5.4	75	10	7.5	0.00
11/08/2022 13:50	4.9	76	12	7.2	0.00
11/08/2022 14:00	6.0	74	10	7.6	0.00
11/08/2022 14:10	6.2	76	11	7.6	0.00
11/08/2022 14:20	5.3	74	13	7.0	0.00
11/08/2022 14:30	4.9	68	15	6.8	0.00
11/08/2022 14:40	4.7	69	12	6.4	0.00
11/08/2022 14:50	4.7	75	14	6.9	0.00
11/08/2022 15:00	4.5	84	13	6.1	0.00
11/08/2022 15:10	4.2	77	14	6.0	0.00
11/08/2022 15:20	4.0	84	16	5.6	0.00
11/08/2022 15:30	3.5	82	16	5.1	0.00
11/08/2022 15:40	3.8	88	16	5.4	0.00
11/08/2022 15:50	4.0	76	13	6.1	0.00
11/08/2022 16:00	4.0	81	14	5.5	0.00
11/08/2022 16:10	3.9	80	10	5.0	0.00
11/08/2022 16:20	3.3	75	13	4.4	0.00
11/08/2022 16:30	3.2	85	13	4.9	0.00



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/08/2022 16:40	3.2	86	13	4.7	0.00
11/08/2022 16:50	3.5	76	13	4.6	0.00
11/08/2022 17:00	3.6	76	11	4.8	0.00
11/08/2022 17:10	2.8	83	16	3.8	0.00
11/08/2022 17:20	3.0	77	12	4.2	0.00
11/08/2022 17:30	2.5	75	11	3.6	0.00
11/08/2022 17:40	2.3	74	12	3.6	0.00
11/08/2022 17:50	2.7	76	11	3.8	0.00
11/08/2022 18:00	2.3	72	9	3.0	0.00
11/08/2022 18:10	2.3	63	9	3.4	0.00
11/08/2022 18:20	1.9	70	7	2.8	0.00
11/08/2022 18:30	2.1	66	8	2.9	0.00
11/08/2022 18:40	1.9	60	9	2.7	0.00
11/08/2022 18:50	1.4	74	10	2.0	0.00
11/08/2022 19:00	1.5	78	9	2.3	0.00
11/08/2022 19:10	1.8	68	9	2.4	0.00
11/08/2022 19:20	2.0	60	8	2.6	0.00
11/08/2022 19:30	2.0	50	8	2.4	0.00
11/08/2022 19:40	1.9	47	7	2.3	0.00
11/08/2022 19:50	2.1	41	6	2.4	0.00
11/08/2022 20:00	2.0	40	6	2.3	0.00
11/08/2022 20:10	1.6	44	8	2.1	0.00
11/08/2022 20:20	0.4	297	56	0.9	0.00
11/08/2022 20:30	0.5	197	23	1.1	0.00
11/08/2022 20:40	0.3	250	10	0.8	0.00
11/08/2022 20:50	0.5	268	17	1.1	0.00
11/08/2022 21:00	0.1	193	2	0.5	0.00
11/08/2022 21:10	0.2	199	13	0.8	0.00
11/08/2022 21:20	0.6	214	22	0.9	0.00
11/08/2022 21:30	0.1	81	6	0.5	0.00
11/08/2022 21:40	0.6	48	15	1.0	0.00
11/08/2022 21:50	0.4	161	15	0.8	0.00
11/08/2022 22:00	0.1	308	0	0.5	0.00
11/08/2022 22:10	0.4	303	3	0.8	0.00
11/08/2022 22:20	0.5	289	7	0.8	0.00
11/08/2022 22:30	0.4	50	11	0.8	0.00
11/08/2022 22:40	0.5	52	8	0.9	0.00
11/08/2022 22:50	0.3	82	4	0.8	0.00
11/08/2022 23:00	0.8	55	11	1.1	0.00
11/08/2022 23:10	0.2	24	12	0.7	0.00
11/08/2022 23:20	1.1	77	24	1.7	0.00
11/08/2022 23:30	1.1	110	37	1.6	0.00
11/08/2022 23:40	0.6	89	19	1.2	0.00
11/08/2022 23:50	2.0	88	8	2.4	0.00
12/08/2022 00:00	2.1	87	8	2.6	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/08/2022 00:10	2.2	90	8	2.9	0.00
12/08/2022 00:20	1.7	89	12	2.3	0.00
12/08/2022 00:30	1.2	83	11	1.7	0.00
12/08/2022 00:40	1.1	88	32	1.8	0.00
12/08/2022 00:50	1.6	61	12	2.4	0.00
12/08/2022 01:00	1.8	67	11	2.5	0.00
12/08/2022 01:10	1.6	82	10	2.1	0.00
12/08/2022 01:20	1.4	77	11	2.1	0.00
12/08/2022 01:30	1.6	79	10	2.1	0.00
12/08/2022 01:40	2.0	80	8	2.7	0.00
12/08/2022 01:50	2.3	92	12	3.5	0.00
12/08/2022 02:00	3.9	97	11	5.7	0.00
12/08/2022 02:10	3.4	100	11	5.0	0.00
12/08/2022 02:20	2.4	100	12	3.8	0.00
12/08/2022 02:30	2.5	93	11	3.4	0.00
12/08/2022 02:40	3.3	96	14	5.0	0.00
12/08/2022 02:50	3.7	101	12	5.5	0.00
12/08/2022 03:00	3.6	102	13	5.4	0.00
12/08/2022 03:10	3.9	108	12	5.4	0.00
12/08/2022 03:20	4.0	101	12	6.0	0.00
12/08/2022 03:30	4.7	101	13	6.5	0.00
12/08/2022 03:40	5.5	104	12	7.4	0.00
12/08/2022 03:50	5.7	102	10	7.3	0.00
12/08/2022 04:00	5.5	103	10	7.3	0.00
12/08/2022 04:10	4.9	102	11	7.2	0.00
12/08/2022 04:20	5.4	104	10	7.7	0.00
12/08/2022 04:30	5.4	101	11	7.7	0.00
12/08/2022 04:40	5.4	102	10	7.5	0.00
12/08/2022 04:50	5.6	102	11	7.3	0.00
12/08/2022 05:00	5.4	102	12	7.5	0.00
12/08/2022 05:10	5.4	102	10	7.0	0.00
12/08/2022 05:20	5.2	107	10	7.2	0.00
12/08/2022 05:30	5.6	105	10	7.4	0.00
12/08/2022 05:40	5.6	107	10	7.7	0.00
12/08/2022 05:50	5.9	108	11	7.9	0.00
12/08/2022 06:00	5.6	104	10	7.1	0.00
12/08/2022 06:10	5.7	105	9	7.8	0.00
12/08/2022 06:20	6.6	104	10	8.4	0.00
12/08/2022 06:30	6.0	103	10	8.3	0.00
12/08/2022 06:40	7.0	102	9	9.4	0.00
12/08/2022 06:50	7.2	102	10	9.7	0.00
12/08/2022 07:00	6.9	105	8	9.0	0.00
12/08/2022 07:10	7.0	105	9	9.0	0.00
12/08/2022 07:20	7.2	105	9	9.5	0.00
12/08/2022 07:30	6.8	104	11	9.1	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/08/2022 07:40	6.5	105	10	8.4	0.00
12/08/2022 07:50	7.0	102	9	9.3	0.00
12/08/2022 08:00	7.0	102	10	9.8	0.00
12/08/2022 08:10	7.2	102	10	9.7	0.00
12/08/2022 08:20	7.3	101	10	10.3	0.00
12/08/2022 08:30	6.7	97	11	10.0	0.00
12/08/2022 08:40	7.3	98	11	10.0	0.00
12/08/2022 08:50	8.0	98	12	10.7	0.00
12/08/2022 09:00	7.8	91	10	10.6	0.00
12/08/2022 09:10	7.9	95	12	9.9	0.00
12/08/2022 09:20	7.7	90	12	10.1	0.00
12/08/2022 09:30	7.9	96	12	10.8	0.00
12/08/2022 09:40	7.3	90	12	10.0	0.00
12/08/2022 09:50	6.8	98	13	9.7	0.00
12/08/2022 10:00	7.6	88	13	10.5	0.00
12/08/2022 10:10	7.4	90	11	10.6	0.00
12/08/2022 10:20	7.6	89	12	10.1	0.00
12/08/2022 10:30	8.0	90	11	10.8	0.00
12/08/2022 10:40	9.1	88	9	11.9	0.00
12/08/2022 10:50	8.4	84	12	11.2	0.00
12/08/2022 11:00	7.9	89	12	10.6	0.00
12/08/2022 11:10	7.8	88	12	10.3	0.00
12/08/2022 11:20	8.8	87	10	11.5	0.00
12/08/2022 11:30	7.6	88	11	10.3	0.00
12/08/2022 11:40	8.1	93	13	10.7	0.00
12/08/2022 11:50	8.2	87	11	11.1	0.00
12/08/2022 12:00	7.8	90	12	10.5	0.00
12/08/2022 12:10	7.2	85	12	9.4	0.00
12/08/2022 12:20	7.8	91	10	11.0	0.00
12/08/2022 12:30	6.9	91	13	9.0	0.00
12/08/2022 12:40	7.2	82	12	9.4	0.00
12/08/2022 12:50	6.9	89	11	9.2	0.00
12/08/2022 13:00	6.9	96	13	9.3	0.00
12/08/2022 13:10	6.7	91	12	9.6	0.00
12/08/2022 13:20	6.1	84	14	8.3	0.00
12/08/2022 13:30	6.6	84	13	9.1	0.00
12/08/2022 13:40	6.3	82	12	9.0	0.00
12/08/2022 13:50	7.2	85	11	9.3	0.00
12/08/2022 14:00	6.6	85	10	8.7	0.00
12/08/2022 14:10	7.1	88	10	9.7	0.00
12/08/2022 14:20	6.9	85	12	9.4	0.00
12/08/2022 14:30	7.8	77	10	9.8	0.00
12/08/2022 14:40	7.0	72	11	9.5	0.00
12/08/2022 14:50	6.8	76	11	8.3	0.00
12/08/2022 15:00	7.2	72	10	9.3	0.00





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/08/2022 15:10	6.4	74	11	8.7	0.00
12/08/2022 15:20	6.3	80	13	8.3	0.00
12/08/2022 15:30	6.9	75	12	9.5	0.00
12/08/2022 15:40	6.4	74	13	9.4	0.00
12/08/2022 15:50	6.4	75	12	8.7	0.00
12/08/2022 16:00	5.7	82	11	8.2	0.00
12/08/2022 16:10	6.8	78	10	9.0	0.00
12/08/2022 16:20	6.5	79	11	9.0	0.00
12/08/2022 16:30	5.7	69	13	8.3	0.00
12/08/2022 16:40	6.0	73	11	7.6	0.00
12/08/2022 16:50	5.3	72	12	7.9	0.00
12/08/2022 17:00	5.9	75	12	8.3	0.00
12/08/2022 17:10	5.4	71	12	7.7	0.00
12/08/2022 17:20	5.3	73	11	7.6	0.00
12/08/2022 17:30	4.9	67	13	6.7	0.00
12/08/2022 17:40	5.4	62	11	7.7	0.00
12/08/2022 17:50	5.2	64	11	7.1	0.00
12/08/2022 18:00	4.9	68	11	6.5	0.00
12/08/2022 18:10	4.9	69	11	6.9	0.00
12/08/2022 18:20	5.1	72	10	7.0	0.00
12/08/2022 18:30	4.6	70	10	6.0	0.00
12/08/2022 18:40	4.8	72	9	6.6	0.00
12/08/2022 18:50	4.5	70	10	5.9	0.00
12/08/2022 19:00	4.6	72	9	6.1	0.00
12/08/2022 19:10	4.3	67	10	5.8	0.00
12/08/2022 19:20	4.3	64	10	5.4	0.00
12/08/2022 19:30	3.9	59	10	5.1	0.00
12/08/2022 19:40	4.1	57	10	6.0	0.00
12/08/2022 19:50	4.0	57	11	5.4	0.00
12/08/2022 20:00	4.1	55	11	5.6	0.00
12/08/2022 20:10	3.8	58	10	5.3	0.00
12/08/2022 20:20	3.9	56	8	5.2	0.00
12/08/2022 20:30	4.0	60	9	5.4	0.00
12/08/2022 20:40	3.8	58	9	5.0	0.00
12/08/2022 20:50	3.8	58	10	4.8	0.00
12/08/2022 21:00	3.6	59	10	4.9	0.00
12/08/2022 21:10	3.2	59	11	4.6	0.00
12/08/2022 21:20	2.3	52	12	3.1	0.00
12/08/2022 21:30	2.3	49	12	3.3	0.00
12/08/2022 21:40	1.9	62	10	2.6	0.00
12/08/2022 21:50	1.7	56	8	2.1	0.00
12/08/2022 22:00	1.4	75	13	2.1	0.00
12/08/2022 22:10	1.2	69	11	1.7	0.00
12/08/2022 22:20	1.1	102	31	1.6	0.00
12/08/2022 22:30	1.2	124	21	2.0	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/08/2022 22:40	2.4	97	9	3.1	0.00
12/08/2022 22:50	2.6	97	9	3.3	0.00
12/08/2022 23:00	2.4	97	10	3.1	0.00
12/08/2022 23:10	2.2	93	10	2.9	0.00
12/08/2022 23:20	1.8	61	14	2.4	0.00
12/08/2022 23:30	2.2	67	12	3.4	0.00
12/08/2022 23:40	1.6	54	15	2.7	0.00
12/08/2022 23:50	0.7	51	28	1.0	0.00
13/08/2022 00:00	1.1	52	26	1.5	0.00
13/08/2022 00:10	2.0	85	12	2.8	0.00
13/08/2022 00:20	2.9	95	9	3.6	0.00
13/08/2022 00:30	3.2	91	9	4.3	0.00
13/08/2022 00:40	3.2	95	10	4.0	0.00
13/08/2022 00:50	3.3	93	9	4.3	0.00
13/08/2022 01:00	3.3	97	10	4.4	0.00
13/08/2022 01:10	3.0	95	8	3.9	0.00
13/08/2022 01:20	3.5	96	9	4.4	0.00
13/08/2022 01:30	3.6	96	8	4.7	0.00
13/08/2022 01:40	2.8	94	9	3.8	0.00
13/08/2022 01:50	2.9	91	8	3.6	0.00
13/08/2022 02:00	2.7	93	10	3.5	0.00
13/08/2022 02:10	2.6	94	9	3.4	0.00
13/08/2022 02:20	3.1	84	10	4.1	0.00
13/08/2022 02:30	3.1	84	8	3.9	0.00
13/08/2022 02:40	2.9	90	10	3.8	0.00
13/08/2022 02:50	2.8	91	8	3.6	0.00
13/08/2022 03:00	3.4	83	9	4.4	0.00
13/08/2022 03:10	3.1	87	9	4.2	0.00
13/08/2022 03:20	3.1	93	9	4.3	0.00
13/08/2022 03:30	3.4	89	10	4.4	0.00
13/08/2022 03:40	3.1	89	12	4.2	0.00
13/08/2022 03:50	3.2	93	11	4.7	0.00
13/08/2022 04:00	3.6	84	10	5.0	0.00
13/08/2022 04:10	3.7	83	8	4.6	0.00
13/08/2022 04:20	3.3	85	9	4.3	0.00
13/08/2022 04:30	3.8	93	11	5.2	0.00
13/08/2022 04:40	3.8	94	9	5.4	0.00
13/08/2022 04:50	4.3	92	10	5.6	0.00
13/08/2022 05:00	4.2	94	10	5.6	0.00
13/08/2022 05:10	4.4	89	11	6.1	0.00
13/08/2022 05:20	4.3	89	11	5.9	0.00
13/08/2022 05:30	5.1	87	10	6.9	0.00
13/08/2022 05:40	5.3	87	10	7.0	0.00
13/08/2022 05:50	5.2	87	10	7.2	0.00
13/08/2022 06:00	6.0	88	10	7.8	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/08/2022 06:10	6.2	88	9	8.5	0.00
13/08/2022 06:20	5.7	86	9	7.2	0.00
13/08/2022 06:30	5.3	87	9	7.6	0.00
13/08/2022 06:40	4.9	88	10	6.8	0.00
13/08/2022 06:50	5.3	89	8	7.0	0.00
13/08/2022 07:00	5.1	98	10	6.7	0.00
13/08/2022 07:10	5.1	98	11	7.0	0.00
13/08/2022 07:20	5.6	102	11	7.9	0.00
13/08/2022 07:30	4.8	98	11	6.7	0.00
13/08/2022 07:40	5.0	95	11	6.9	0.00
13/08/2022 07:50	6.1	94	10	8.1	0.00
13/08/2022 08:00	6.2	92	11	9.0	0.00
13/08/2022 08:10	6.1	93	11	8.1	0.00
13/08/2022 08:20	6.2	106	11	9.0	0.00
13/08/2022 08:30	6.9	102	10	9.1	0.00
13/08/2022 08:40	7.1	102	9	9.3	0.00
13/08/2022 08:50	6.7	100	12	9.3	0.00
13/08/2022 09:00	7.0	101	10	9.5	0.00
13/08/2022 09:10	6.6	97	12	8.7	0.00
13/08/2022 09:20	6.3	98	11	8.9	0.00
13/08/2022 09:30	7.2	98	12	9.0	0.00
13/08/2022 09:40	6.5	97	13	8.6	0.00
13/08/2022 09:50	6.6	91	12	9.2	0.00
13/08/2022 10:00	6.6	95	13	8.7	0.00
13/08/2022 10:10	6.9	94	11	9.3	0.00
13/08/2022 10:20	7.2	92	12	9.5	0.00
13/08/2022 10:30	6.9	96	11	9.1	0.00
13/08/2022 10:40	6.8	91	11	9.5	0.00
13/08/2022 10:50	6.8	91	12	9.1	0.00
13/08/2022 11:00	6.3	95	12	8.5	0.00
13/08/2022 11:10	6.6	84	13	9.4	0.00
13/08/2022 11:20	5.9	87	13	8.1	0.00
13/08/2022 11:30	5.7	89	12	7.8	0.00
13/08/2022 11:40	5.8	83	12	7.8	0.00
13/08/2022 11:50	4.7	91	12	6.8	0.00
13/08/2022 12:00	4.3	82	14	6.5	0.00
13/08/2022 12:10	4.8	84	13	6.3	0.00
13/08/2022 12:20	5.3	80	11	7.0	0.00
13/08/2022 12:30	5.3	80	12	6.9	0.00
13/08/2022 12:40	5.0	77	14	7.2	0.00
13/08/2022 12:50	5.4	79	12	7.5	0.00
13/08/2022 13:00	5.4	77	11	7.0	0.00
13/08/2022 13:10	5.1	81	12	6.8	0.00
13/08/2022 13:20	4.8	68	16	6.5	0.00
13/08/2022 13:30	5.2	67	10	6.9	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/08/2022 13:40	4.4	66	12	6.0	0.00
13/08/2022 13:50	4.1	67	13	5.7	0.00
13/08/2022 14:00	4.2	75	13	5.4	0.00
13/08/2022 14:10	4.4	73	11	5.7	0.00
13/08/2022 14:20	4.9	76	9	6.1	0.00
13/08/2022 14:30	4.4	80	13	5.6	0.00
13/08/2022 14:40	3.7	81	16	5.2	0.00
13/08/2022 14:50	3.8	74	16	5.2	0.00
13/08/2022 15:00	3.2	62	17	4.9	0.00
13/08/2022 15:10	3.2	55	16	4.5	0.00
13/08/2022 15:20	2.9	62	16	4.4	0.00
13/08/2022 15:30	3.0	80	13	4.0	0.00
13/08/2022 15:40	3.2	89	18	4.7	0.00
13/08/2022 15:50	3.9	98	13	5.4	0.00
13/08/2022 16:00	4.2	103	12	5.6	0.00
13/08/2022 16:10	4.1	99	14	5.1	0.00
13/08/2022 16:20	4.0	102	10	5.0	0.00
13/08/2022 16:30	3.7	104	12	4.8	0.00
13/08/2022 16:40	3.3	87	12	4.7	0.00
13/08/2022 16:50	3.5	106	9	4.5	0.00
13/08/2022 17:00	3.3	97	9	4.1	0.00
13/08/2022 17:10	3.2	95	11	4.1	0.00
13/08/2022 17:20	2.7	95	13	3.7	0.00
13/08/2022 17:30	3.0	97	11	4.1	0.00
13/08/2022 17:40	3.1	84	10	4.1	0.00
13/08/2022 17:50	3.4	82	9	4.5	0.00
13/08/2022 18:00	3.0	81	10	4.0	0.00
13/08/2022 18:10	3.2	71	9	4.4	0.00
13/08/2022 18:20	3.2	70	9	4.0	0.00
13/08/2022 18:30	3.0	70	8	3.8	0.00
13/08/2022 18:40	3.1	77	10	4.0	0.00
13/08/2022 18:50	3.2	76	8	4.0	0.00
13/08/2022 19:00	2.7	72	12	3.7	0.00
13/08/2022 19:10	2.0	69	18	3.4	0.00
13/08/2022 19:20	0.9	196	52	1.7	0.00
13/08/2022 19:30	1.0	168	27	1.4	0.00
13/08/2022 19:40	1.4	166	22	2.0	0.00
13/08/2022 19:50	1.3	178	54	2.2	0.00
13/08/2022 20:00	1.7	94	13	2.4	0.00
13/08/2022 20:10	0.7	170	37	1.2	0.00
13/08/2022 20:20	1.2	156	27	1.8	0.00
13/08/2022 20:30	0.9	161	31	1.6	0.00
13/08/2022 20:40	0.6	173	35	1.0	0.00
13/08/2022 20:50	1.0	113	31	1.6	0.00
13/08/2022 21:00	0.9	134	34	1.6	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/08/2022 21:10	1.4	86	18	2.2	0.00
13/08/2022 21:20	1.1	96	17	2.0	0.00
13/08/2022 21:30	1.5	92	17	2.3	0.00
13/08/2022 21:40	1.9	89	11	2.4	0.00
13/08/2022 21:50	1.1	62	18	1.7	0.00
13/08/2022 22:00	1.3	86	13	2.1	0.00
13/08/2022 22:10	1.2	83	17	1.9	0.00
13/08/2022 22:20	0.9	78	19	1.4	0.00
13/08/2022 22:30	1.5	68	13	2.4	0.00
13/08/2022 22:40	1.6	67	14	2.4	0.00
13/08/2022 22:50	0.5	118	47	1.4	0.00
13/08/2022 23:00	0.8	162	20	1.2	0.00
13/08/2022 23:10	0.2	82	6	0.9	0.00
13/08/2022 23:20	0.6	113	20	1.2	0.00
13/08/2022 23:30	1.1	57	14	1.7	0.00
13/08/2022 23:40	1.0	40	15	1.4	0.00
13/08/2022 23:50	0.6	49	19	1.0	0.00
14/08/2022 00:00	0.2	324	11	0.9	0.00
14/08/2022 00:10	0.5	60	20	1.2	0.00
14/08/2022 00:20	0.6	240	32	1.4	0.00
14/08/2022 00:30	0.2	121	12	0.9	0.00
14/08/2022 00:40	0.4	136	4	0.9	0.00
14/08/2022 00:50	0.3	119	12	0.9	0.00
14/08/2022 01:00	0.7	116	14	1.4	0.00
14/08/2022 01:10	0.9	88	12	1.5	0.00
14/08/2022 01:20	0.5	55	13	1.0	0.00
14/08/2022 01:30	0.6	64	12	1.3	0.00
14/08/2022 01:40	0.9	68	20	1.2	0.00
14/08/2022 01:50	0.5	45	27	1.1	0.00
14/08/2022 02:00	0.3	195	17	0.9	0.00
14/08/2022 02:10	1.0	116	15	1.2	0.00
14/08/2022 02:20	0.5	323	22	1.1	0.00
14/08/2022 02:30	0.0	300	0	0.4	0.00
14/08/2022 02:40	0.4	293	2	0.9	0.00
14/08/2022 02:50	0.3	293	3	0.9	0.00
14/08/2022 03:00	0.3	311	4	0.7	0.00
14/08/2022 03:10	0.3	302	1	0.9	0.00
14/08/2022 03:20	0.5	270	11	0.8	0.00
14/08/2022 03:30	0.9	272	9	1.1	0.00
14/08/2022 03:40	0.3	296	5	0.7	0.00
14/08/2022 03:50	0.7	303	2	0.9	0.00
14/08/2022 04:00	0.1	308	0	0.7	0.00
14/08/2022 04:10	0.7	302	3	0.9	0.00
14/08/2022 04:20	0.5	319	6	0.8	0.00
14/08/2022 04:30	0.2	173	12	0.6	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/08/2022 04:40	0.0	150	0	0.4	0.00
14/08/2022 04:50					0.00
14/08/2022 05:00	0.2	90	15	0.8	0.00
14/08/2022 05:10	0.1	102	9	0.6	0.00
14/08/2022 05:20	0.1	96	10	0.9	0.00
14/08/2022 05:30					0.00
14/08/2022 05:40					0.00
14/08/2022 05:50					0.00
14/08/2022 06:00	0.1	90	3	0.8	0.00
14/08/2022 06:10	0.4	94	7	1.3	0.00
14/08/2022 06:20	0.1	101	5	0.9	0.00
14/08/2022 06:30	0.0	87	0	0.4	0.00
14/08/2022 06:40	0.6	97	11	1.4	0.00
14/08/2022 06:50	1.1	105	11	2.1	0.00
14/08/2022 07:00	0.2	99	7	0.8	0.00
14/08/2022 07:10	0.3	103	15	1.2	0.00
14/08/2022 07:20	1.6	99	15	2.6	0.00
14/08/2022 07:30	1.9	104	11	2.6	0.00
14/08/2022 07:40	1.5	113	13	2.2	0.00
14/08/2022 07:50	1.7	111	12	2.6	0.00
14/08/2022 08:00	2.0	106	14	2.8	0.00
14/08/2022 08:10	2.1	97	13	2.8	0.00
14/08/2022 08:20	2.2	106	13	3.2	0.00
14/08/2022 08:30	2.5	104	14	3.5	0.00
14/08/2022 08:40	2.5	106	15	3.5	0.00
14/08/2022 08:50	2.5	121	13	3.5	0.00
14/08/2022 09:00	2.8	104	13	3.8	0.00
14/08/2022 09:10	3.1	94	10	4.0	0.00
14/08/2022 09:20	3.6	90	10	4.4	0.00
14/08/2022 09:30	3.4	97	14	4.4	0.00
14/08/2022 09:40	3.5	89	9	4.5	0.00
14/08/2022 09:50	3.5	102	11	4.4	0.00
14/08/2022 10:00	3.9	104	11	4.7	0.00
14/08/2022 10:10	3.4	106	11	5.0	0.00
14/08/2022 10:20	3.3	94	11	4.7	0.00
14/08/2022 10:30	3.2	98	16	4.3	0.00
14/08/2022 10:40	3.5	104	15	4.8	0.00
14/08/2022 10:50	3.6	99	12	4.8	0.00
14/08/2022 11:00	3.7	101	11	5.1	0.00
14/08/2022 11:10	3.5	100	13	4.4	0.00
14/08/2022 11:20	2.8	98	15	3.9	0.00
14/08/2022 11:30	3.2	103	15	4.4	0.00
14/08/2022 11:40	3.2	107	14	4.4	0.00
14/08/2022 11:50	3.9	87	12	5.0	0.00
14/08/2022 12:00	3.8	88	13	5.2	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/08/2022 12:10	3.8	92	13	5.1	0.00
14/08/2022 12:20	3.8	88	14	5.1	0.00
14/08/2022 12:30	3.7	86	12	4.8	0.00
14/08/2022 12:40	3.7	88	14	5.1	0.00
14/08/2022 12:50	3.7	94	13	5.0	0.00
14/08/2022 13:00	3.8	89	14	5.1	0.00
14/08/2022 13:10	3.7	86	13	4.6	0.00
14/08/2022 13:20	3.4	85	14	4.4	0.00
14/08/2022 13:30	3.5	81	13	4.8	0.00
14/08/2022 13:40	3.6	89	12	4.8	0.00
14/08/2022 13:50	3.4	85	14	4.8	0.00
14/08/2022 14:00	4.3	83	10	5.7	0.00
14/08/2022 14:10	4.1	88	12	5.2	0.00
14/08/2022 14:20	4.0	82	11	4.9	0.00
14/08/2022 14:30	3.7	83	12	4.6	0.00
14/08/2022 14:40	3.5	91	13	4.4	0.00
14/08/2022 14:50	3.8	87	12	4.8	0.00
14/08/2022 15:00	3.6	83	13	4.8	0.00
14/08/2022 15:10	3.7	80	10	4.8	0.00
14/08/2022 15:20	3.7	77	11	4.9	0.00
14/08/2022 15:30	3.4	70	10	4.4	0.00
14/08/2022 15:40	3.9	78	9	5.1	0.00
14/08/2022 15:50	4.2	80	9	5.2	0.00
14/08/2022 16:00	4.5	81	9	5.4	0.00
14/08/2022 16:10	4.1	77	8	5.1	0.00
14/08/2022 16:20	3.2	75	14	4.5	0.00
14/08/2022 16:30	3.3	80	10	4.4	0.00
14/08/2022 16:40	3.4	74	11	4.4	0.00
14/08/2022 16:50	3.2	86	10	4.1	0.00
14/08/2022 17:00	2.7	83	11	3.6	0.00
14/08/2022 17:10	2.6	53	11	3.5	0.00
14/08/2022 17:20	2.6	55	11	3.5	0.00
14/08/2022 17:30	2.1	55	11	2.8	0.00
14/08/2022 17:40	2.5	73	10	3.2	0.00
14/08/2022 17:50	2.4	70	9	3.2	0.00
14/08/2022 18:00	2.0	59	8	2.7	0.00
14/08/2022 18:10	1.7	59	10	2.1	0.00
14/08/2022 18:20	1.8	60	9	2.3	0.00
14/08/2022 18:30	1.9	53	8	2.5	0.00
14/08/2022 18:40	2.5	46	9	3.2	0.00
14/08/2022 18:50	2.0	39	14	2.8	0.00
14/08/2022 19:00	2.1	38	10	2.8	0.00
14/08/2022 19:10	1.9	32	13	2.6	0.00
14/08/2022 19:20	1.8	38	11	2.4	0.00
14/08/2022 19:30	1.2	45	14	1.8	0.00



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/08/2022 19:40	0.2	17	10	0.8	0.00
14/08/2022 19:50	0.5	226	10	0.9	0.00
14/08/2022 20:00	0.5	312	17	0.8	0.00
14/08/2022 20:10	0.4	201	9	0.8	0.00
14/08/2022 20:20	0.4	175	12	0.7	0.00
14/08/2022 20:30	0.5	60	27	1.0	0.00
14/08/2022 20:40	0.4	41	19	1.0	0.00
14/08/2022 20:50	0.8	167	23	1.3	0.00
14/08/2022 21:00	0.9	209	18	1.3	0.00
14/08/2022 21:10	0.6	278	15	0.9	0.00
14/08/2022 21:20	0.2	211	13	0.6	0.00
14/08/2022 21:30	0.4	218	18	0.9	0.00
14/08/2022 21:40	0.2	235	6	0.6	0.00
14/08/2022 21:50	0.0	226	0	0.6	0.00
14/08/2022 22:00	0.6	230	8	1.1	0.00
14/08/2022 22:10					0.00
14/08/2022 22:20					0.00
14/08/2022 22:30					0.00
14/08/2022 22:40	0.0	282	0	0.4	0.00
14/08/2022 22:50					0.00
14/08/2022 23:00	0.3	209	9	0.8	0.00
14/08/2022 23:10	0.3	34	13	0.7	0.00
14/08/2022 23:20	0.0	61	0	0.4	0.00
14/08/2022 23:30	0.4	102	9	0.9	0.00
14/08/2022 23:40	0.4	103	8	0.8	0.00
14/08/2022 23:50	0.5	307	6	0.9	0.00
15/08/2022 00:00	0.2	192	35	0.6	0.00
15/08/2022 00:10	0.6	271	10	1.1	0.00
15/08/2022 00:20	0.7	219	11	1.4	0.00
15/08/2022 00:30	0.4	144	17	0.9	0.00
15/08/2022 00:40	0.5	276	7	0.8	0.00
15/08/2022 00:50	0.4	235	22	0.9	0.00
15/08/2022 01:00	0.5	296	4	0.8	0.00
15/08/2022 01:10	0.2	184	16	0.8	0.00
15/08/2022 01:20	0.2	95	13	0.6	0.00
15/08/2022 01:30	0.3	286	8	0.7	0.00
15/08/2022 01:40	0.4	273	17	0.7	0.00
15/08/2022 01:50	0.3	240	22	0.8	0.00
15/08/2022 02:00	0.6	287	16	0.9	0.00
15/08/2022 02:10	0.3	213	34	1.0	0.00
15/08/2022 02:20	0.4	232	13	1.0	0.00
15/08/2022 02:30	0.7	238	13	1.0	0.00
15/08/2022 02:40	0.6	255	15	0.9	0.00
15/08/2022 02:50	0.7	269	10	1.0	0.00
15/08/2022 03:00	0.9	242	18	1.2	0.00





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/08/2022 03:10	0.9	230	19	1.2	0.00
15/08/2022 03:20	0.5	228	29	1.2	0.00
15/08/2022 03:30	0.3	248	9	0.8	0.00
15/08/2022 03:40	0.8	233	15	1.2	0.00
15/08/2022 03:50	0.8	233	22	1.0	0.00
15/08/2022 04:00	0.1	189	4	0.5	0.00
15/08/2022 04:10	0.2	216	5	0.8	0.00
15/08/2022 04:20	0.8	291	6	1.2	0.00
15/08/2022 04:30	0.3	100	10	0.8	0.00
15/08/2022 04:40	0.6	296	8	1.2	0.00
15/08/2022 04:50	0.1	163	4	0.8	0.00
15/08/2022 05:00	0.9	47	8	1.2	0.00
15/08/2022 05:10	0.2	63	4	0.9	0.00
15/08/2022 05:20	0.4	303	3	1.0	0.00
15/08/2022 05:30	0.3	252	22	0.8	0.00
15/08/2022 05:40	0.5	224	13	1.0	0.00
15/08/2022 05:50	0.3	253	28	0.6	0.00
15/08/2022 06:00	0.8	127	8	1.6	0.00
15/08/2022 06:10	0.3	117	7	0.9	0.00
15/08/2022 06:20	0.9	96	15	1.4	0.00
15/08/2022 06:30	0.7	127	18	1.2	0.00
15/08/2022 06:40	0.4	89	21	1.1	0.00
15/08/2022 06:50	0.6	137	24	1.1	0.00
15/08/2022 07:00	0.8	48	54	1.8	0.00
15/08/2022 07:10	1.4	71	25	2.5	0.00
15/08/2022 07:20	1.4	57	26	2.6	0.00
15/08/2022 07:30	2.0	86	16	3.0	0.00
15/08/2022 07:40	1.9	75	19	2.8	0.00
15/08/2022 07:50	1.3	68	30	2.2	0.00
15/08/2022 08:00	2.0	75	17	3.1	0.00
15/08/2022 08:10	1.6	69	22	2.3	0.00
15/08/2022 08:20	1.4	78	33	2.1	0.00
15/08/2022 08:30	1.6	70	28	2.5	0.00
15/08/2022 08:40	1.4	73	33	2.4	0.00
15/08/2022 08:50	1.7	70	33	2.8	0.00
15/08/2022 09:00	3.6	92	13	4.8	0.00
15/08/2022 09:10	4.0	101	11	5.4	0.00
15/08/2022 09:20	4.6	102	9	5.8	0.00
15/08/2022 09:30	4.0	99	10	5.4	0.00
15/08/2022 09:40	3.3	102	13	4.4	0.00
15/08/2022 09:50	3.6	105	12	4.7	0.00
15/08/2022 10:00	3.8	102	13	5.2	0.00
15/08/2022 10:10	4.2	99	12	5.4	0.00
15/08/2022 10:20	3.9	98	14	5.3	0.00
15/08/2022 10:30	4.3	99	12	5.6	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/08/2022 10:40	4.5	91	12	6.1	0.00
15/08/2022 10:50	4.7	100	13	6.0	0.00
15/08/2022 11:00	4.6	85	14	6.0	0.00
15/08/2022 11:10	4.9	78	12	6.5	0.00
15/08/2022 11:20	5.1	83	11	6.9	0.00
15/08/2022 11:30	5.2	85	12	7.8	0.00
15/08/2022 11:40	5.6	80	11	7.6	0.00
15/08/2022 11:50	6.1	81	10	8.4	0.00
15/08/2022 12:00	6.3	79	11	8.9	0.00
15/08/2022 12:10	6.6	82	12	9.0	0.00
15/08/2022 12:20	6.4	83	12	8.2	0.00
15/08/2022 12:30	6.1	77	9	8.3	0.00
15/08/2022 12:40	6.1	76	11	8.3	0.00
15/08/2022 12:50	6.0	78	11	7.8	0.00
15/08/2022 13:00	5.9	75	13	7.9	0.00
15/08/2022 13:10	6.0	81	9	8.0	0.00
15/08/2022 13:20	6.3	79	11	8.2	0.00
15/08/2022 13:30	6.0	75	9	7.8	0.00
15/08/2022 13:40	5.6	76	11	7.7	0.00
15/08/2022 13:50	6.3	71	10	8.6	0.00
15/08/2022 14:00	5.9	75	10	7.7	0.00
15/08/2022 14:10	5.3	66	13	7.3	0.00
15/08/2022 14:20	4.9	67	12	6.8	0.00
15/08/2022 14:30	5.3	67	11	7.3	0.00
15/08/2022 14:40	5.3	72	12	7.4	0.00
15/08/2022 14:50	5.1	62	12	7.2	0.00
15/08/2022 15:00	6.1	66	10	8.7	0.00
15/08/2022 15:10	5.6	61	10	7.2	0.00
15/08/2022 15:20	5.3	63	12	7.2	0.00
15/08/2022 15:30	5.6	69	12	7.8	0.00
15/08/2022 15:40	4.7	61	13	6.2	0.00
15/08/2022 15:50	5.4	72	12	7.7	0.00
15/08/2022 16:00	6.1	68	10	8.3	0.00
15/08/2022 16:10	5.8	55	14	7.8	0.00
15/08/2022 16:20	5.3	62	11	6.9	0.00
15/08/2022 16:30	4.8	59	10	6.3	0.00
15/08/2022 16:40	5.2	61	11	6.7	0.00
15/08/2022 16:50	4.5	62	11	6.1	0.00
15/08/2022 17:00	4.3	66	12	6.2	0.00
15/08/2022 17:10	4.1	70	11	5.6	0.00
15/08/2022 17:20	4.2	66	12	7.1	0.00
15/08/2022 17:30	3.2	57	11	4.4	0.00
15/08/2022 17:40	2.6	45	12	3.6	0.00
15/08/2022 17:50	2.4	35	15	3.6	0.00
15/08/2022 18:00	1.5	27	14	2.3	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/08/2022 18:10	1.5	38	15	2.0	0.00
15/08/2022 18:20	1.7	20	17	2.6	0.00
15/08/2022 18:30	2.3	21	17	3.6	0.00
15/08/2022 18:40	2.1	31	16	3.1	0.00
15/08/2022 18:50	2.5	34	13	3.8	0.00
15/08/2022 19:00	3.0	41	13	4.1	0.00
15/08/2022 19:10	3.6	60	11	4.3	0.00
15/08/2022 19:20	3.2	37	13	4.0	0.00
15/08/2022 19:30	3.3	47	11	4.2	0.00
15/08/2022 19:40	3.1	56	11	4.0	0.00
15/08/2022 19:50	2.9	62	12	4.0	0.00
15/08/2022 20:00	3.2	64	10	4.4	0.00
15/08/2022 20:10	2.9	64	9	3.6	0.00
15/08/2022 20:20	2.8	65	12	3.8	0.00
15/08/2022 20:30	2.3	59	14	3.5	0.00
15/08/2022 20:40	1.7	58	15	2.7	0.00
15/08/2022 20:50	1.3	47	19	1.9	0.00
15/08/2022 21:00	1.4	54	21	2.2	0.00
15/08/2022 21:10	1.0	36	19	1.9	0.00
15/08/2022 21:20	1.1	61	17	1.6	0.00
15/08/2022 21:30	1.0	82	37	1.5	0.00
15/08/2022 21:40	0.7	69	38	1.2	0.00
15/08/2022 21:50	0.8	71	24	1.3	0.00
15/08/2022 22:00	1.1	158	31	1.8	0.00
15/08/2022 22:10	0.8	169	36	1.6	0.00
15/08/2022 22:20	0.9	229	24	1.3	0.00
15/08/2022 22:30	0.7	230	25	1.2	0.00
15/08/2022 22:40	0.3	215	25	1.0	0.00
15/08/2022 22:50	0.5	211	38	1.0	0.00
15/08/2022 23:00	0.2	257	24	0.7	0.00
15/08/2022 23:10	0.6	239	18	0.9	0.00
15/08/2022 23:20	0.5	204	21	0.9	0.00
15/08/2022 23:30	0.1	244	16	0.8	0.00
15/08/2022 23:40	0.1	255	4	0.6	0.00
15/08/2022 23:50	0.4	254	23	1.1	0.00
16/08/2022 00:00	0.1	111	3	0.6	0.00
16/08/2022 00:10	0.6	155	26	1.3	0.00
16/08/2022 00:20	0.8	220	20	1.2	0.00
16/08/2022 00:30	0.6	235	22	1.2	0.00
16/08/2022 00:40	0.2	247	10	0.8	0.00
16/08/2022 00:50					0.00
16/08/2022 01:00	0.0	260	1	0.4	0.00
16/08/2022 01:10	0.1	297	5	0.9	0.00
16/08/2022 01:20	0.0	248	1	0.4	0.00
16/08/2022 01:30	0.1	310	20	0.6	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/08/2022 01:40					0.00
16/08/2022 01:50	0.0	315	0	0.4	0.00
16/08/2022 02:00	0.1	301	2	0.5	0.00
16/08/2022 02:10					0.00
16/08/2022 02:20	0.1	279	4	0.8	0.00
16/08/2022 02:30	0.0	217	0	0.4	0.00
16/08/2022 02:40	0.0	275	1	0.4	0.00
16/08/2022 02:50	0.2	236	5	0.7	0.00
16/08/2022 03:00	0.2	194	16	0.8	0.00
16/08/2022 03:10	0.1	206	5	0.5	0.00
16/08/2022 03:20	1.0	248	9	2.0	0.00
16/08/2022 03:30	2.0	250	8	2.5	0.00
16/08/2022 03:40	2.4	252	7	2.8	0.00
16/08/2022 03:50	2.3	251	8	2.8	0.00
16/08/2022 04:00	2.2	251	8	2.8	0.00
16/08/2022 04:10	2.0	245	7	2.6	0.00
16/08/2022 04:20	1.6	241	8	2.1	0.00
16/08/2022 04:30	1.1	227	9	1.5	0.00
16/08/2022 04:40	1.4	238	8	1.8	0.00
16/08/2022 04:50	1.5	235	6	1.7	0.00
16/08/2022 05:00	1.6	252	7	2.0	0.00
16/08/2022 05:10	1.8	254	8	2.2	0.00
16/08/2022 05:20	1.0	150	21	1.6	0.00
16/08/2022 05:30	0.6	65	8	1.1	0.00
16/08/2022 05:40	0.7	300	3	1.1	0.00
16/08/2022 05:50	0.9	304	3	1.1	0.00
16/08/2022 06:00	0.6	300	4	0.8	0.00
16/08/2022 06:10	0.4	302	4	0.8	0.00
16/08/2022 06:20	0.2	320	5	0.7	0.00
16/08/2022 06:30					0.00
16/08/2022 06:40	0.1	309	2	0.7	0.00
16/08/2022 06:50					0.00
16/08/2022 07:00	0.5	310	4	0.9	0.00
16/08/2022 07:10	0.2	301	3	1.0	0.00
16/08/2022 07:20					0.00
16/08/2022 07:30					0.00
16/08/2022 07:40					0.00
16/08/2022 07:50	0.4	77	10	0.9	0.00
16/08/2022 08:00	0.6	100	16	1.0	0.00
16/08/2022 08:10	1.2	98	13	1.6	0.00
16/08/2022 08:20	1.3	101	15	1.6	0.00
16/08/2022 08:30	1.4	117	15	2.0	0.00
16/08/2022 08:40	1.3	135	31	2.1	0.00
16/08/2022 08:50	1.0	150	31	2.3	0.00
16/08/2022 09:00	1.0	162	34	2.3	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/08/2022 09:10	2.3	94	13	3.0	0.00
16/08/2022 09:20	2.3	92	16	3.2	0.00
16/08/2022 09:30	2.7	87	11	3.6	0.00
16/08/2022 09:40	2.3	87	14	3.5	0.00
16/08/2022 09:50	2.6	100	14	3.2	0.00
16/08/2022 10:00	2.7	98	14	3.5	0.00
16/08/2022 10:10	2.8	102	15	3.8	0.00
16/08/2022 10:20	2.9	99	13	4.1	0.00
16/08/2022 10:30	2.5	88	15	3.4	0.00
16/08/2022 10:40	2.5	90	19	3.5	0.00
16/08/2022 10:50	2.0	57	30	3.1	0.00
16/08/2022 11:00	1.7	187	35	2.8	0.00
16/08/2022 11:10	2.2	315	26	3.4	0.00
16/08/2022 11:20	2.4	304	18	3.6	0.00
16/08/2022 11:30	2.3	302	16	3.4	0.00
16/08/2022 11:40	2.7	288	18	3.8	0.00
16/08/2022 11:50	2.6	292	17	3.9	0.00
16/08/2022 12:00	2.3	298	19	3.7	0.00
16/08/2022 12:10	1.9	286	26	3.5	0.00
16/08/2022 12:20	1.6	298	46	3.1	0.00
16/08/2022 12:30	2.2	271	24	3.4	0.00
16/08/2022 12:40	2.2	291	29	3.6	0.00
16/08/2022 12:50	1.9	317	31	3.2	0.00
16/08/2022 13:00	2.6	288	27	4.6	0.00
16/08/2022 13:10	2.7	268	27	4.1	0.00
16/08/2022 13:20	2.5	278	29	3.6	0.00
16/08/2022 13:30	2.5	293	19	3.6	0.00
16/08/2022 13:40	2.8	276	23	4.0	0.00
16/08/2022 13:50	2.6	274	23	4.0	0.00
16/08/2022 14:00	2.7	276	21	3.9	0.00
16/08/2022 14:10	2.4	307	18	3.4	0.00
16/08/2022 14:20	2.2	313	18	3.1	0.00
16/08/2022 14:30	2.2	313	19	3.0	0.00
16/08/2022 14:40	2.3	298	17	3.5	0.00
16/08/2022 14:50	2.6	296	13	3.6	0.00
16/08/2022 15:00	2.4	300	11	3.3	0.00
16/08/2022 15:10	2.3	298	18	3.3	0.00
16/08/2022 15:20	2.7	295	15	3.5	0.00
16/08/2022 15:30	2.7	297	12	3.6	0.00
16/08/2022 15:40	2.7	297	12	3.6	0.00
16/08/2022 15:50	2.6	300	13	3.6	0.00
16/08/2022 16:00	2.1	307	25	3.2	0.00
16/08/2022 16:10	1.5	326	39	2.4	0.00
16/08/2022 16:20	1.8	309	22	2.9	0.00
16/08/2022 16:30	2.6	297	9	3.5	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/08/2022 16:40	2.2	310	20	3.1	0.00
16/08/2022 16:50	1.7	6	23	2.5	0.00
16/08/2022 17:00	2.0	186	25	2.9	0.00
16/08/2022 17:10	1.7	179	26	2.4	0.00
16/08/2022 17:20	1.3	333	26	2.2	0.00
16/08/2022 17:30	1.8	322	20	2.6	0.00
16/08/2022 17:40	2.0	306	20	2.9	0.00
16/08/2022 17:50	2.2	316	14	3.2	0.00
16/08/2022 18:00	2.1	322	13	2.9	0.00
16/08/2022 18:10	2.0	340	19	2.8	0.00
16/08/2022 18:20	2.3	331	15	3.2	0.00
16/08/2022 18:30	2.5	328	16	3.2	0.00
16/08/2022 18:40	2.3	329	19	3.4	0.00
16/08/2022 18:50	2.3	322	16	3.2	0.00
16/08/2022 19:00	2.4	320	12	3.1	0.00
16/08/2022 19:10	2.7	312	12	3.5	0.00
16/08/2022 19:20	2.5	317	14	3.4	0.00
16/08/2022 19:30	2.7	313	12	3.5	0.00
16/08/2022 19:40	2.7	308	13	3.6	0.00
16/08/2022 19:50	2.6	296	12	4.0	0.00
16/08/2022 20:00	2.8	298	11	3.6	0.00
16/08/2022 20:10	2.5	291	13	3.3	0.00
16/08/2022 20:20	2.8	296	12	3.7	0.00
16/08/2022 20:30	2.4	289	15	3.2	0.00
16/08/2022 20:40	2.4	287	13	3.3	0.00
16/08/2022 20:50	2.5	288	12	3.6	0.00
16/08/2022 21:00	2.5	288	11	3.3	0.00
16/08/2022 21:10	2.6	293	11	3.5	0.00
16/08/2022 21:20	2.7	292	11	3.6	0.00
16/08/2022 21:30	2.8	297	9	3.6	0.00
16/08/2022 21:40	3.0	298	8	4.0	0.00
16/08/2022 21:50	2.9	299	9	3.7	0.00
16/08/2022 22:00	2.7	300	11	3.6	0.00
16/08/2022 22:10	2.8	313	9	3.6	0.00
16/08/2022 22:20	2.3	305	14	3.1	0.00
16/08/2022 22:30	2.3	301	13	3.3	0.00
16/08/2022 22:40	2.3	300	12	3.2	0.00
16/08/2022 22:50	2.2	299	10	2.9	0.00
16/08/2022 23:00	2.0	299	14	2.8	0.00
16/08/2022 23:10	2.2	298	10	3.0	0.00
16/08/2022 23:20	2.0	302	14	2.7	0.00
16/08/2022 23:30	2.0	306	14	2.6	0.00
16/08/2022 23:40	2.5	315	12	3.2	0.00
16/08/2022 23:50	2.1	299	11	2.9	0.00
17/08/2022 00:00	1.8	280	14	2.7	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/08/2022 00:10	1.9	275	15	2.8	0.00
17/08/2022 00:20	1.8	279	14	2.5	0.00
17/08/2022 00:30	2.1	265	12	2.8	0.00
17/08/2022 00:40	2.3	259	8	2.8	0.00
17/08/2022 00:50	2.1	259	8	2.8	0.00
17/08/2022 01:00	2.2	261	8	2.7	0.00
17/08/2022 01:10	2.3	260	7	2.9	0.00
17/08/2022 01:20	1.8	261	10	2.5	0.00
17/08/2022 01:30	1.6	252	10	2.3	0.00
17/08/2022 01:40	1.6	239	9	2.0	0.00
17/08/2022 01:50	1.7	237	10	2.2	0.00
17/08/2022 02:00	1.8	247	10	2.4	0.00
17/08/2022 02:10	1.2	232	13	1.7	0.00
17/08/2022 02:20	1.2	234	12	1.7	0.00
17/08/2022 02:30	1.0	244	11	1.6	0.00
17/08/2022 02:40	1.5	250	12	2.0	0.00
17/08/2022 02:50	1.2	242	10	1.8	0.00
17/08/2022 03:00	1.2	234	13	1.6	0.00
17/08/2022 03:10	1.0	240	12	1.6	0.00
17/08/2022 03:20	1.4	234	13	1.9	0.00
17/08/2022 03:30	1.5	236	14	2.3	0.00
17/08/2022 03:40	1.4	233	13	2.0	0.00
17/08/2022 03:50	2.1	232	12	2.9	0.00
17/08/2022 04:00	2.2	229	14	3.0	0.00
17/08/2022 04:10	2.3	240	12	3.1	0.00
17/08/2022 04:20	2.3	247	9	3.1	0.00
17/08/2022 04:30	2.1	235	14	2.8	0.00
17/08/2022 04:40	2.0	227	12	2.8	0.00
17/08/2022 04:50	2.1	233	13	3.0	0.00
17/08/2022 05:00	2.1	233	13	3.0	0.00
17/08/2022 05:10	1.4	232	11	2.0	0.00
17/08/2022 05:20	1.2	246	14	1.6	0.00
17/08/2022 05:30	1.6	256	9	2.1	0.00
17/08/2022 05:40	1.5	264	10	1.8	0.00
17/08/2022 05:50	2.0	260	9	2.8	0.00
17/08/2022 06:00	2.3	261	9	3.1	0.00
17/08/2022 06:10	1.9	263	8	2.5	0.00
17/08/2022 06:20	2.0	259	9	2.7	0.00
17/08/2022 06:30	1.4	255	10	2.1	0.00
17/08/2022 06:40	1.5	238	10	2.1	0.00
17/08/2022 06:50	1.9	246	11	2.7	0.00
17/08/2022 07:00	1.6	249	10	2.0	0.00
17/08/2022 07:10	1.8	246	11	2.3	0.00
17/08/2022 07:20	1.7	243	13	2.4	0.00
17/08/2022 07:30	2.0	240	11	2.7	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/08/2022 07:40	2.1	242	14	2.8	0.00
17/08/2022 07:50	2.1	238	14	3.2	0.00
17/08/2022 08:00	2.5	229	15	3.6	0.00
17/08/2022 08:10	2.7	238	14	4.0	0.00
17/08/2022 08:20	3.7	234	13	5.2	0.00
17/08/2022 08:30	3.4	227	15	4.8	0.00
17/08/2022 08:40	3.4	239	15	4.8	0.00
17/08/2022 08:50	3.9	231	16	5.7	0.00
17/08/2022 09:00	4.3	225	14	6.2	0.00
17/08/2022 09:10	4.5	224	17	6.5	0.00
17/08/2022 09:20	4.2	223	14	6.1	0.00
17/08/2022 09:30	4.2	230	15	6.1	0.00
17/08/2022 09:40	4.3	232	14	6.2	0.00
17/08/2022 09:50	4.3	221	19	6.8	0.00
17/08/2022 10:00	4.5	228	17	6.4	0.00
17/08/2022 10:10	4.2	232	18	5.7	0.00
17/08/2022 10:20	3.8	226	22	5.7	0.00
17/08/2022 10:30	4.6	232	17	6.6	0.00
17/08/2022 10:40	4.2	227	20	6.0	0.00
17/08/2022 10:50	4.4	230	15	6.4	0.00
17/08/2022 11:00	4.5	232	13	6.4	0.00
17/08/2022 11:10	4.1	234	20	6.4	0.00
17/08/2022 11:20	4.3	226	18	6.0	0.00
17/08/2022 11:30	4.3	235	16	6.0	0.00
17/08/2022 11:40	4.6	229	15	6.8	0.00
17/08/2022 11:50	4.4	221	20	6.3	0.00
17/08/2022 12:00	4.4	235	18	6.8	0.00
17/08/2022 12:10	4.4	244	14	6.0	0.00
17/08/2022 12:20	4.5	256	19	6.4	0.00
17/08/2022 12:30	5.3	270	13	7.5	0.00
17/08/2022 12:40	6.7	263	10	8.8	0.00
17/08/2022 12:50	6.0	266	11	7.9	0.00
17/08/2022 13:00	6.1	263	11	8.5	0.00
17/08/2022 13:10	5.7	264	12	7.9	0.00
17/08/2022 13:20	6.5	263	11	8.7	0.00
17/08/2022 13:30	6.4	264	10	8.3	0.00
17/08/2022 13:40	5.8	268	13	8.0	0.00
17/08/2022 13:50	5.3	265	13	6.9	0.00
17/08/2022 14:00	6.2	260	13	8.7	0.00
17/08/2022 14:10	5.6	261	13	7.5	0.00
17/08/2022 14:20	6.0	262	10	7.9	0.00
17/08/2022 14:30	6.5	261	11	9.0	0.00
17/08/2022 14:40	6.4	264	11	8.3	0.00
17/08/2022 14:50	6.5	265	12	9.0	0.00
17/08/2022 15:00	6.5	262	10	8.1	0.00





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/08/2022 15:10	6.9	263	10	9.4	0.00
17/08/2022 15:20	7.3	263	10	10.2	0.00
17/08/2022 15:30	7.1	264	11	9.5	0.00
17/08/2022 15:40	6.5	261	11	8.8	0.00
17/08/2022 15:50	6.9	261	11	8.9	0.00
17/08/2022 16:00	7.1	263	12	9.1	0.00
17/08/2022 16:10	6.1	259	11	8.8	0.00
17/08/2022 16:20	5.6	267	14	7.4	0.00
17/08/2022 16:30	6.0	263	10	8.2	0.00
17/08/2022 16:40	6.4	262	11	8.7	0.00
17/08/2022 16:50	6.0	264	13	8.1	0.00
17/08/2022 17:00	6.2	266	11	8.8	0.00
17/08/2022 17:10	6.1	266	10	8.0	0.00
17/08/2022 17:20	6.1	264	10	8.3	0.00
17/08/2022 17:30	6.4	265	10	8.3	0.00
17/08/2022 17:40	6.3	265	11	8.1	0.00
17/08/2022 17:50	5.8	264	10	7.9	0.00
17/08/2022 18:00	5.6	264	10	7.0	0.00
17/08/2022 18:10	5.2	262	11	6.8	0.00
17/08/2022 18:20	5.0	263	10	6.4	0.00
17/08/2022 18:30	5.2	261	12	6.6	0.00
17/08/2022 18:40	4.9	254	12	6.4	0.00
17/08/2022 18:50	5.7	257	12	8.2	0.00
17/08/2022 19:00	5.2	257	12	7.5	0.00
17/08/2022 19:10	5.3	257	11	7.5	0.00
17/08/2022 19:20	5.7	256	11	8.4	0.00
17/08/2022 19:30	5.3	256	12	6.6	0.00
17/08/2022 19:40	5.2	254	13	7.5	0.00
17/08/2022 19:50	5.3	255	11	7.2	0.00
17/08/2022 20:00	4.5	258	12	5.7	0.00
17/08/2022 20:10	5.3	253	12	7.0	0.00
17/08/2022 20:20	4.6	256	12	6.4	0.00
17/08/2022 20:30	5.1	252	12	6.8	0.00
17/08/2022 20:40	5.4	254	12	7.2	0.00
17/08/2022 20:50	4.5	251	12	6.2	0.00
17/08/2022 21:00	3.8	245	13	5.8	0.00
17/08/2022 21:10	4.6	245	12	6.9	0.00
17/08/2022 21:20	5.0	245	13	6.8	0.00
17/08/2022 21:30	4.3	248	11	6.1	0.00
17/08/2022 21:40	3.7	252	12	4.8	0.00
17/08/2022 21:50	3.4	251	10	5.1	0.00
17/08/2022 22:00	3.2	248	13	4.4	0.00
17/08/2022 22:10	2.7	241	12	3.6	0.00
17/08/2022 22:20	2.7	248	10	3.6	0.00
17/08/2022 22:30	2.6	245	11	3.7	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/08/2022 22:40	3.2	247	12	4.8	0.00
17/08/2022 22:50	3.1	241	11	4.2	0.00
17/08/2022 23:00	2.9	237	13	4.0	0.00
17/08/2022 23:10	2.8	236	12	4.0	0.00
17/08/2022 23:20	3.3	231	14	4.4	0.00
17/08/2022 23:30	3.5	231	13	4.6	0.00
17/08/2022 23:40	3.3	232	15	4.4	0.00
17/08/2022 23:50	3.4	231	13	4.7	0.00
18/08/2022 00:00	3.3	230	16	5.0	0.00
18/08/2022 00:10	3.3	232	15	5.0	0.00
18/08/2022 00:20	3.1	234	13	5.0	0.00
18/08/2022 00:30	3.3	232	14	4.4	0.00
18/08/2022 00:40	3.5	232	14	5.2	0.00
18/08/2022 00:50	3.8	229	15	5.3	0.00
18/08/2022 01:00	3.7	228	14	5.4	0.00
18/08/2022 01:10	3.9	228	14	5.4	0.00
18/08/2022 01:20	3.2	228	17	5.0	0.00
18/08/2022 01:30	3.2	223	19	4.4	0.00
18/08/2022 01:40	3.2	219	17	4.4	0.00
18/08/2022 01:50	3.6	221	15	4.8	0.00
18/08/2022 02:00	3.9	220	16	5.5	0.00
18/08/2022 02:10	4.2	221	14	5.4	0.00
18/08/2022 02:20	4.2	221	14	5.9	0.00
18/08/2022 02:30	3.9	220	13	5.6	0.00
18/08/2022 02:40	4.1	219	14	5.5	0.00
18/08/2022 02:50	3.8	220	19	5.3	0.00
18/08/2022 03:00	3.6	220	14	5.0	0.00
18/08/2022 03:10	3.4	220	19	4.5	0.00
18/08/2022 03:20	3.4	215	16	4.4	0.00
18/08/2022 03:30	3.5	216	15	4.7	0.00
18/08/2022 03:40	3.5	217	17	4.9	0.00
18/08/2022 03:50	3.8	218	17	5.1	0.00
18/08/2022 04:00	3.3	215	22	4.4	0.00
18/08/2022 04:10	3.5	217	14	4.4	0.00
18/08/2022 04:20	3.2	214	17	4.4	0.00
18/08/2022 04:30	3.3	217	18	4.6	0.00
18/08/2022 04:40	3.0	218	17	4.0	0.00
18/08/2022 04:50	2.6	217	23	4.0	0.00
18/08/2022 05:00	2.4	220	24	3.6	0.00
18/08/2022 05:10	2.6	218	19	3.7	0.00
18/08/2022 05:20	2.8	217	17	4.0	0.00
18/08/2022 05:30	2.6	223	19	3.8	0.00
18/08/2022 05:40	2.4	220	21	3.7	0.00
18/08/2022 05:50	2.0	220	26	3.1	0.00
18/08/2022 06:00	1.9	219	25	3.1	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/08/2022 06:10	1.3	230	28	2.1	0.00
18/08/2022 06:20	0.9	273	37	1.6	0.00
18/08/2022 06:30	1.4	309	15	2.0	0.00
18/08/2022 06:40	2.1	295	12	3.0	0.00
18/08/2022 06:50	2.2	301	22	3.5	0.00
18/08/2022 07:00	1.9	301	43	3.3	0.00
18/08/2022 07:10	1.2	170	51	2.1	0.00
18/08/2022 07:20	2.2	176	50	3.4	0.00
18/08/2022 07:30	2.0	158	53	3.2	0.00
18/08/2022 07:40	2.2	140	18	3.4	0.00
18/08/2022 07:50	2.5	143	30	3.7	0.00
18/08/2022 08:00	2.3	144	30	3.4	0.00
18/08/2022 08:10	3.2	145	21	5.0	0.00
18/08/2022 08:20	3.6	140	19	5.1	0.00
18/08/2022 08:30	3.5	134	16	4.8	0.00
18/08/2022 08:40	3.3	139	17	4.5	0.00
18/08/2022 08:50	3.2	129	18	4.4	0.00
18/08/2022 09:00	2.9	134	19	4.0	0.00
18/08/2022 09:10	3.0	124	17	4.2	0.00
18/08/2022 09:20	3.1	133	17	4.2	0.00
18/08/2022 09:30	3.1	133	14	4.4	0.00
18/08/2022 09:40	3.5	130	18	5.2	0.00
18/08/2022 09:50	3.4	131	19	5.1	0.00
18/08/2022 10:00	3.3	132	20	4.8	0.00
18/08/2022 10:10	3.4	139	16	5.2	0.00
18/08/2022 10:20	2.9	131	23	4.2	0.00
18/08/2022 10:30	2.7	132	22	4.3	0.00
18/08/2022 10:40	2.9	130	19	4.4	0.00
18/08/2022 10:50	3.4	114	16	4.8	0.00
18/08/2022 11:00	4.0	87	14	5.9	0.00
18/08/2022 11:10	3.5	97	17	5.0	0.00
18/08/2022 11:20	3.3	103	20	5.2	0.00
18/08/2022 11:30	2.7	105	22	4.3	0.00
18/08/2022 11:40	2.6	102	32	4.1	0.00
18/08/2022 11:50	2.8	65	20	4.4	0.00
18/08/2022 12:00	2.6	84	23	3.8	0.00
18/08/2022 12:10	2.7	72	26	4.0	0.00
18/08/2022 12:20	3.1	69	18	4.7	0.00
18/08/2022 12:30	2.9	64	21	4.4	0.00
18/08/2022 12:40	2.7	54	24	4.6	0.00
18/08/2022 12:50	3.2	54	17	4.6	0.00
18/08/2022 13:00	2.6	70	19	4.6	0.00
18/08/2022 13:10	2.7	79	20	4.0	0.00
18/08/2022 13:20	2.3	66	21	3.7	0.00
18/08/2022 13:30	1.9	61	33	4.3	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/08/2022 13:40	2.5	83	21	3.7	0.00
18/08/2022 13:50	2.2	78	28	3.9	0.00
18/08/2022 14:00	2.2	77	30	3.6	0.00
18/08/2022 14:10	2.0	72	32	3.6	0.00
18/08/2022 14:20	2.0	95	44	3.2	0.00
18/08/2022 14:30	1.8	86	30	3.0	0.00
18/08/2022 14:40	2.9	315	29	4.3	0.00
18/08/2022 14:50	3.6	310	14	4.7	0.00
18/08/2022 15:00	3.8	298	12	5.6	0.00
18/08/2022 15:10	3.7	307	13	4.8	0.00
18/08/2022 15:20	3.3	301	16	4.8	0.00
18/08/2022 15:30	3.0	312	18	4.5	0.00
18/08/2022 15:40	3.1	311	18	4.4	0.00
18/08/2022 15:50	3.7	307	13	5.0	0.00
18/08/2022 16:00	3.7	304	16	5.3	0.00
18/08/2022 16:10	3.7	304	13	5.2	0.00
18/08/2022 16:20	3.8	303	10	4.8	0.00
18/08/2022 16:30	3.8	302	12	4.9	0.00
18/08/2022 16:40	3.6	300	12	4.6	0.00
18/08/2022 16:50	3.4	289	12	4.4	0.00
18/08/2022 17:00	3.1	293	17	4.1	0.00
18/08/2022 17:10	2.9	287	15	4.0	0.00
18/08/2022 17:20	2.9	281	15	4.2	0.00
18/08/2022 17:30	2.6	278	16	3.6	0.00
18/08/2022 17:40	2.9	270	13	3.7	0.00
18/08/2022 17:50	3.0	260	10	3.8	0.00
18/08/2022 18:00	2.4	251	14	3.5	0.00
18/08/2022 18:10	3.5	250	11	4.8	0.00
18/08/2022 18:20	3.4	253	11	4.8	0.00
18/08/2022 18:30	3.8	255	11	5.0	0.00
18/08/2022 18:40	3.4	254	12	4.4	0.00
18/08/2022 18:50	3.5	253	11	4.5	0.00
18/08/2022 19:00	3.2	254	10	4.2	0.00
18/08/2022 19:10	3.1	251	11	4.1	0.00
18/08/2022 19:20	3.5	253	11	4.6	0.00
18/08/2022 19:30	3.5	251	12	4.4	0.00
18/08/2022 19:40	3.0	248	13	3.8	0.00
18/08/2022 19:50	3.0	249	13	4.0	0.00
18/08/2022 20:00	2.6	242	13	3.6	0.00
18/08/2022 20:10	2.7	241	12	4.0	0.00
18/08/2022 20:20	3.0	246	10	4.0	0.00
18/08/2022 20:30	2.8	245	10	3.9	0.00
18/08/2022 20:40	2.6	243	12	3.6	0.00
18/08/2022 20:50	2.5	238	12	3.3	0.00
18/08/2022 21:00	2.3	244	12	3.4	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/08/2022 21:10	2.2	241	12	3.0	0.00
18/08/2022 21:20	2.2	243	11	3.2	0.00
18/08/2022 21:30	2.2	238	11	2.8	0.00
18/08/2022 21:40	1.9	235	10	2.5	0.00
18/08/2022 21:50	0.8	232	20	1.2	0.00
18/08/2022 22:00	1.0	237	16	1.5	0.00
18/08/2022 22:10	1.4	243	14	1.9	0.00
18/08/2022 22:20	0.7	231	20	1.5	0.00
18/08/2022 22:30	1.2	230	15	2.0	0.00
18/08/2022 22:40	1.7	234	15	2.6	0.00
18/08/2022 22:50	2.0	235	22	2.8	0.00
18/08/2022 23:00	0.7	180	69	1.5	0.00
18/08/2022 23:10	1.8	209	46	3.2	0.00
18/08/2022 23:20	1.3	168	69	2.3	0.00
18/08/2022 23:30	1.2	212	47	2.0	0.00
18/08/2022 23:40	1.2	221	42	2.2	0.00
18/08/2022 23:50	1.0	231	38	1.9	0.00
19/08/2022 00:00	0.3	262	38	0.8	0.00
19/08/2022 00:10	1.9	120	19	4.0	0.00
19/08/2022 00:20	2.8	123	13	4.4	0.00
19/08/2022 00:30	4.0	113	14	7.1	0.00
19/08/2022 00:40	4.2	116	12	6.0	0.00
19/08/2022 00:50	5.1	106	11	7.9	0.00
19/08/2022 01:00	4.6	98	11	6.4	0.00
19/08/2022 01:10	3.7	87	12	5.0	0.00
19/08/2022 01:20	3.4	87	11	4.4	0.00
19/08/2022 01:30	2.9	97	9	4.0	0.00
19/08/2022 01:40	2.7	96	10	3.7	0.00
19/08/2022 01:50	2.6	95	10	4.2	0.00
19/08/2022 02:00	3.1	91	11	4.6	0.00
19/08/2022 02:10	3.7	94	11	5.6	0.00
19/08/2022 02:20	4.6	103	11	6.8	0.00
19/08/2022 02:30	5.3	107	11	7.5	0.00
19/08/2022 02:40	5.3	101	10	6.9	0.00
19/08/2022 02:50	4.9	100	11	6.9	0.00
19/08/2022 03:00	5.0	99	10	7.1	0.00
19/08/2022 03:10	5.3	104	13	7.2	0.00
19/08/2022 03:20	5.6	106	12	7.9	0.00
19/08/2022 03:30	4.8	103	12	7.5	0.00
19/08/2022 03:40	4.8	99	11	7.0	0.00
19/08/2022 03:50	5.4	100	12	7.7	0.00
19/08/2022 04:00	5.6	100	13	8.2	0.00
19/08/2022 04:10	5.7	102	11	7.8	0.00
19/08/2022 04:20	6.6	105	11	8.5	0.00
19/08/2022 04:30	6.7	103	11	9.5	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/08/2022 04:40	5.8	103	12	8.4	0.00
19/08/2022 04:50	6.6	102	11	8.7	0.00
19/08/2022 05:00	6.2	105	13	8.8	0.00
19/08/2022 05:10	6.5	104	9	8.9	0.00
19/08/2022 05:20	7.1	102	11	10.0	0.00
19/08/2022 05:30	6.8	104	12	9.5	0.00
19/08/2022 05:40	6.6	103	11	8.9	0.00
19/08/2022 05:50	6.9	99	13	9.2	0.00
19/08/2022 06:00	6.7	100	10	8.6	0.00
19/08/2022 06:10	5.5	106	13	8.4	0.00
19/08/2022 06:20	5.6	104	13	7.9	0.00
19/08/2022 06:30	6.3	102	13	8.7	0.00
19/08/2022 06:40	6.2	104	12	9.1	0.00
19/08/2022 06:50	5.3	108	13	8.4	0.00
19/08/2022 07:00	6.2	108	13	8.7	0.00
19/08/2022 07:10	5.7	109	13	8.1	0.00
19/08/2022 07:20	5.5	108	13	7.9	0.00
19/08/2022 07:30	5.7	102	9	7.9	0.00
19/08/2022 07:40	6.3	105	13	9.4	0.00
19/08/2022 07:50	6.4	106	13	9.5	0.00
19/08/2022 08:00	6.5	110	14	10.0	0.00
19/08/2022 08:10	6.9	108	11	9.9	0.00
19/08/2022 08:20	7.4	109	12	10.7	0.00
19/08/2022 08:30	6.5	110	15	9.5	0.00
19/08/2022 08:40	7.1	110	12	10.4	0.00
19/08/2022 08:50	7.7	102	12	10.3	0.00
19/08/2022 09:00	7.1	104	10	10.2	0.00
19/08/2022 09:10	7.7	107	11	10.4	0.00
19/08/2022 09:20	7.9	105	11	10.6	0.00
19/08/2022 09:30	7.6	103	15	10.3	0.00
19/08/2022 09:40	7.9	103	11	11.2	0.00
19/08/2022 09:50	7.6	105	12	10.1	0.00
19/08/2022 10:00	7.4	104	12	10.2	0.00
19/08/2022 10:10	7.2	105	11	9.6	0.00
19/08/2022 10:20	7.0	110	12	10.0	0.00
19/08/2022 10:30	7.0	107	14	10.6	0.00
19/08/2022 10:40	7.2	104	10	9.2	0.00
19/08/2022 10:50	6.7	108	12	9.0	0.00
19/08/2022 11:00	6.5	105	15	9.0	0.00
19/08/2022 11:10	6.1	104	14	9.0	0.00
19/08/2022 11:20	7.1	103	11	9.3	0.00
19/08/2022 11:30	6.4	106	14	8.3	0.00
19/08/2022 11:40	6.4	105	13	9.1	0.00
19/08/2022 11:50	6.8	105	11	8.5	0.00
19/08/2022 12:00	6.3	106	11	9.3	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/08/2022 12:10	5.4	107	14	8.1	0.00
19/08/2022 12:20	5.4	89	11	7.5	0.00
19/08/2022 12:30	5.6	92	13	7.9	0.00
19/08/2022 12:40	5.7	84	12	7.7	0.00
19/08/2022 12:50	5.5	83	12	7.4	0.00
19/08/2022 13:00	5.7	80	9	8.2	0.00
19/08/2022 13:10	5.4	79	11	7.9	0.00
19/08/2022 13:20	5.5	83	12	7.2	0.00
19/08/2022 13:30	5.2	90	13	7.2	0.00
19/08/2022 13:40	5.2	82	13	7.1	0.00
19/08/2022 13:50	5.1	85	14	6.7	0.00
19/08/2022 14:00	4.9	77	12	6.7	0.00
19/08/2022 14:10	4.8	75	12	6.5	0.00
19/08/2022 14:20	5.0	75	13	7.0	0.00
19/08/2022 14:30	5.5	76	11	7.2	0.00
19/08/2022 14:40	5.2	75	13	7.5	0.00
19/08/2022 14:50	4.7	73	12	6.6	0.00
19/08/2022 15:00	4.9	75	12	6.6	0.00
19/08/2022 15:10	4.1	74	15	6.0	0.00
19/08/2022 15:20	4.4	76	12	5.9	0.00
19/08/2022 15:30	4.4	72	13	6.2	0.00
19/08/2022 15:40	4.3	66	11	5.7	0.00
19/08/2022 15:50	4.1	67	16	5.8	0.00
19/08/2022 16:00	3.9	60	12	5.3	0.00
19/08/2022 16:10	3.4	64	14	4.7	0.00
19/08/2022 16:20	3.7	65	13	5.2	0.00
19/08/2022 16:30	3.4	69	12	5.2	0.00
19/08/2022 16:40	4.0	66	11	5.6	0.00
19/08/2022 16:50	2.9	62	12	4.0	0.00
19/08/2022 17:00	3.0	68	12	4.0	0.00
19/08/2022 17:10	3.2	68	11	4.4	0.00
19/08/2022 17:20	2.5	67	12	3.5	0.00
19/08/2022 17:30	2.0	72	14	3.0	0.00
19/08/2022 17:40	1.5	71	13	2.1	0.00
19/08/2022 17:50	1.9	66	10	2.6	0.00
19/08/2022 18:00	2.0	68	9	2.7	0.00
19/08/2022 18:10	1.6	69	8	2.1	0.00
19/08/2022 18:20	1.1	87	20	1.6	0.00
19/08/2022 18:30	1.1	79	13	1.4	0.00
19/08/2022 18:40	0.8	88	19	1.2	0.00
19/08/2022 18:50	0.6	81	15	1.0	0.00
19/08/2022 19:00	0.8	69	11	1.2	0.00
19/08/2022 19:10	0.3	58	13	0.9	0.00
19/08/2022 19:20	0.4	67	11	0.8	0.00
19/08/2022 19:30	0.9	70	10	1.2	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/08/2022 19:40	0.9	67	11	1.2	0.00
19/08/2022 19:50	1.1	52	9	1.4	0.00
19/08/2022 20:00	1.3	57	8	1.6	0.00
19/08/2022 20:10	1.1	66	9	1.4	0.00
19/08/2022 20:20	0.8	76	19	1.3	0.00
19/08/2022 20:30	0.9	78	17	1.4	0.00
19/08/2022 20:40	0.9	98	19	1.3	0.00
19/08/2022 20:50	1.0	94	14	1.5	0.00
19/08/2022 21:00	1.3	96	12	1.7	0.00
19/08/2022 21:10	1.5	116	18	2.1	0.00
19/08/2022 21:20	1.8	114	12	2.9	0.00
19/08/2022 21:30	1.5	127	17	2.1	0.00
19/08/2022 21:40	1.8	137	16	2.5	0.00
19/08/2022 21:50	2.1	145	20	3.2	0.00
19/08/2022 22:00	2.7	138	14	4.3	0.00
19/08/2022 22:10	3.2	129	13	4.8	0.00
19/08/2022 22:20	3.6	129	13	5.4	0.00
19/08/2022 22:30	2.7	133	15	3.9	0.00
19/08/2022 22:40	2.1	136	17	3.0	0.00
19/08/2022 22:50	1.8	122	13	2.8	0.00
19/08/2022 23:00	2.0	117	14	3.3	0.00
19/08/2022 23:10	1.6	99	17	2.4	0.00
19/08/2022 23:20	1.7	95	10	2.4	0.00
19/08/2022 23:30	1.8	94	10	2.2	0.00
19/08/2022 23:40	1.9	96	10	2.7	0.00
19/08/2022 23:50	2.0	98	11	2.7	0.00
20/08/2022 00:00	1.8	103	11	2.4	0.00
20/08/2022 00:10	1.6	100	11	2.2	0.00
20/08/2022 00:20	1.8	101	10	2.2	0.00
20/08/2022 00:30	1.8	105	10	2.5	0.00
20/08/2022 00:40	2.3	104	13	3.5	0.00
20/08/2022 00:50	2.5	99	12	3.5	0.00
20/08/2022 01:00	2.7	99	13	3.9	0.00
20/08/2022 01:10	3.4	87	12	5.2	0.00
20/08/2022 01:20	3.1	83	11	4.5	0.00
20/08/2022 01:30	3.3	88	12	4.4	0.00
20/08/2022 01:40	3.2	85	13	4.5	0.00
20/08/2022 01:50	3.2	90	12	5.1	0.00
20/08/2022 02:00	3.3	90	12	4.8	0.00
20/08/2022 02:10	4.2	99	12	6.5	0.00
20/08/2022 02:20	4.1	96	13	6.0	0.00
20/08/2022 02:30	4.3	99	12	5.7	0.00
20/08/2022 02:40	4.4	96	14	6.8	0.00
20/08/2022 02:50	4.8	99	11	7.3	0.00
20/08/2022 03:00	4.9	101	14	7.2	0.00





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/08/2022 03:10	5.0	99	13	6.8	0.00
20/08/2022 03:20	4.6	102	13	6.5	0.00
20/08/2022 03:30	4.6	102	13	7.0	0.00
20/08/2022 03:40	4.4	98	13	6.4	0.00
20/08/2022 03:50	5.0	95	12	7.9	0.00
20/08/2022 04:00	5.1	94	12	7.5	0.00
20/08/2022 04:10	4.8	97	13	7.5	0.00
20/08/2022 04:20	4.2	100	13	6.4	0.00
20/08/2022 04:30	4.9	103	13	7.3	0.00
20/08/2022 04:40	5.0	106	11	6.8	0.00
20/08/2022 04:50	5.1	103	12	7.3	0.00
20/08/2022 05:00	4.9	101	14	6.8	0.00
20/08/2022 05:10	5.4	104	10	7.6	0.00
20/08/2022 05:20	5.1	100	12	7.1	0.00
20/08/2022 05:30	4.6	102	11	6.4	0.00
20/08/2022 05:40	4.0	99	12	5.2	0.00
20/08/2022 05:50	4.5	98	12	6.3	0.00
20/08/2022 06:00	4.2	100	14	6.1	0.00
20/08/2022 06:10	4.2	101	13	5.6	0.00
20/08/2022 06:20	5.0	99	10	6.5	0.00
20/08/2022 06:30	5.0	99	11	6.7	0.00
20/08/2022 06:40	5.3	101	11	7.3	0.00
20/08/2022 06:50	5.7	100	11	8.5	0.00
20/08/2022 07:00	5.4	102	11	7.9	0.00
20/08/2022 07:10	5.7	102	11	7.6	0.00
20/08/2022 07:20	5.9	101	12	8.3	0.00
20/08/2022 07:30	6.3	101	13	8.7	0.00
20/08/2022 07:40	6.0	100	12	8.3	0.00
20/08/2022 07:50	5.4	105	13	7.5	0.00
20/08/2022 08:00	5.6	105	11	7.5	0.00
20/08/2022 08:10	4.9	116	12	8.2	0.00
20/08/2022 08:20	5.5	104	13	7.9	0.00
20/08/2022 08:30	5.8	104	13	7.9	0.00
20/08/2022 08:40	6.6	106	13	9.2	0.00
20/08/2022 08:50	6.2	105	12	9.3	0.00
20/08/2022 09:00	7.1	107	12	10.1	0.00
20/08/2022 09:10	6.9	107	13	9.5	0.00
20/08/2022 09:20	7.1	105	10	9.7	0.00
20/08/2022 09:30	7.2	106	13	10.3	0.00
20/08/2022 09:40	7.1	109	14	10.0	0.00
20/08/2022 09:50	7.4	108	12	11.1	0.00
20/08/2022 10:00	7.6	102	12	10.7	0.00
20/08/2022 10:10	7.5	110	15	10.8	0.00
20/08/2022 10:20	7.7	103	13	10.0	0.00
20/08/2022 10:30	7.3	105	12	10.4	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/08/2022 10:40	7.3	106	12	11.1	0.00
20/08/2022 10:50	7.6	104	11	10.6	0.00
20/08/2022 11:00	6.9	101	13	9.1	0.00
20/08/2022 11:10	6.8	106	12	8.6	0.00
20/08/2022 11:20	6.6	103	15	9.1	0.00
20/08/2022 11:30	6.4	94	12	9.5	0.00
20/08/2022 11:40	6.6	86	13	9.0	0.00
20/08/2022 11:50	6.8	88	12	9.5	0.00
20/08/2022 12:00	7.3	87	10	9.5	0.00
20/08/2022 12:10	7.0	82	12	9.5	0.00
20/08/2022 12:20	7.0	88	14	9.4	0.00
20/08/2022 12:30	6.0	83	11	8.7	0.00
20/08/2022 12:40	6.4	81	12	8.6	0.00
20/08/2022 12:50	6.3	78	10	8.7	0.00
20/08/2022 13:00	6.1	79	12	7.9	0.00
20/08/2022 13:10	6.1	82	13	8.1	0.00
20/08/2022 13:20	6.3	81	11	8.7	0.00
20/08/2022 13:30	5.7	94	14	8.3	0.00
20/08/2022 13:40	6.6	82	12	8.7	0.00
20/08/2022 13:50	6.6	94	12	9.0	0.00
20/08/2022 14:00	6.5	94	13	9.4	0.00
20/08/2022 14:10	5.9	83	12	8.1	0.00
20/08/2022 14:20	5.9	78	11	8.3	0.00
20/08/2022 14:30	6.4	83	13	9.3	0.00
20/08/2022 14:40	6.5	77	10	9.6	0.00
20/08/2022 14:50	5.8	82	12	7.8	0.00
20/08/2022 15:00	5.9	77	10	7.9	0.00
20/08/2022 15:10	5.8	76	10	7.5	0.00
20/08/2022 15:20	5.4	73	13	7.0	0.00
20/08/2022 15:30	4.9	73	13	6.9	0.00
20/08/2022 15:40	5.3	64	10	7.3	0.00
20/08/2022 15:50	4.7	74	13	6.3	0.00
20/08/2022 16:00	4.5	73	12	7.1	0.00
20/08/2022 16:10	4.4	74	11	6.3	0.00
20/08/2022 16:20	4.6	74	11	6.2	0.00
20/08/2022 16:30	4.1	76	13	5.4	0.00
20/08/2022 16:40	4.4	67	12	6.4	0.00
20/08/2022 16:50	4.3	68	12	5.8	0.00
20/08/2022 17:00	3.9	69	13	5.7	0.00
20/08/2022 17:10	3.6	76	10	4.9	0.00
20/08/2022 17:20	3.4	76	10	5.0	0.00
20/08/2022 17:30	3.2	71	12	4.7	0.00
20/08/2022 17:40	3.0	64	9	4.5	0.00
20/08/2022 17:50	2.8	72	10	3.7	0.00
20/08/2022 18:00	2.4	62	10	3.3	0.00



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/08/2022 18:10	2.7	61	10	3.6	0.00
20/08/2022 18:20	2.4	65	8	3.4	0.00
20/08/2022 18:30	2.3	70	8	3.1	0.00
20/08/2022 18:40	2.1	72	7	2.9	0.00
20/08/2022 18:50	2.1	74	8	3.2	0.00
20/08/2022 19:00	2.1	83	8	2.9	0.00
20/08/2022 19:10	2.0	82	8	2.6	0.00
20/08/2022 19:20	1.9	81	8	2.4	0.00
20/08/2022 19:30	1.8	95	10	2.2	0.00
20/08/2022 19:40	1.2	97	9	1.5	0.00
20/08/2022 19:50	1.0	78	9	1.3	0.00
20/08/2022 20:00	0.9	95	12	1.2	0.00
20/08/2022 20:10	1.0	84	8	1.2	0.00
20/08/2022 20:20	1.5	95	9	1.9	0.00
20/08/2022 20:30	1.4	97	8	1.9	0.00
20/08/2022 20:40	1.8	95	8	2.4	0.00
20/08/2022 20:50	1.3	106	12	1.8	0.00
20/08/2022 21:00	1.1	107	12	1.5	0.00
20/08/2022 21:10	1.4	95	7	1.9	0.00
20/08/2022 21:20	1.2	99	14	1.7	0.00
20/08/2022 21:30	1.1	98	10	1.6	0.00
20/08/2022 21:40	1.2	124	13	1.7	0.00
20/08/2022 21:50	1.4	108	6	1.7	0.00
20/08/2022 22:00	1.1	102	7	1.4	0.00
20/08/2022 22:10	0.1	112	15	0.6	0.00
20/08/2022 22:20	0.5	107	16	1.0	0.00
20/08/2022 22:30	0.9	102	20	1.3	0.00
20/08/2022 22:40	0.9	102	16	1.3	0.00
20/08/2022 22:50	0.5	131	36	1.2	0.00
20/08/2022 23:00	0.5	94	55	1.1	0.00
20/08/2022 23:10	1.2	118	9	1.6	0.00
20/08/2022 23:20	1.5	100	7	2.0	0.00
20/08/2022 23:30	1.3	89	9	1.9	0.00
20/08/2022 23:40	0.7	99	13	1.1	0.00
20/08/2022 23:50	1.1	85	14	1.8	0.00
21/08/2022 00:00	0.8	92	7	1.2	0.00
21/08/2022 00:10	1.0	87	10	1.4	0.00
21/08/2022 00:20	1.0	88	10	1.3	0.00
21/08/2022 00:30	0.9	92	10	1.2	0.00
21/08/2022 00:40	0.8	97	13	1.2	0.00
21/08/2022 00:50	0.7	81	13	1.2	0.00
21/08/2022 01:00	0.9	87	16	1.5	0.00
21/08/2022 01:10	1.3	94	10	1.8	0.00
21/08/2022 01:20	1.0	109	12	1.4	0.00
21/08/2022 01:30	0.7	89	13	1.0	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/08/2022 01:40	0.8	83	14	1.2	0.00
21/08/2022 01:50	0.9	65	14	1.3	0.00
21/08/2022 02:00	1.4	37	6	1.6	0.00
21/08/2022 02:10	1.8	46	6	2.3	0.00
21/08/2022 02:20	1.5	56	9	2.0	0.00
21/08/2022 02:30	2.0	67	6	2.5	0.00
21/08/2022 02:40	1.9	65	6	2.4	0.00
21/08/2022 02:50	1.8	69	8	2.4	0.00
21/08/2022 03:00	1.8	61	7	2.3	0.00
21/08/2022 03:10	1.6	53	9	2.0	0.00
21/08/2022 03:20	1.8	60	11	2.2	0.00
21/08/2022 03:30	1.8	69	12	2.4	0.00
21/08/2022 03:40	1.1	82	18	1.6	0.00
21/08/2022 03:50	1.5	74	24	2.6	0.00
21/08/2022 04:00	1.2	98	16	1.6	0.00
21/08/2022 04:10	1.2	102	20	1.6	0.00
21/08/2022 04:20	1.4	108	11	2.0	0.00
21/08/2022 04:30	1.4	100	12	2.1	0.00
21/08/2022 04:40	1.8	101	17	2.7	0.00
21/08/2022 04:50	2.0	110	12	2.6	0.00
21/08/2022 05:00	2.0	121	8	2.7	0.00
21/08/2022 05:10	1.9	110	9	2.4	0.00
21/08/2022 05:20	1.5	102	9	2.0	0.00
21/08/2022 05:30	1.6	105	8	2.3	0.00
21/08/2022 05:40	1.7	102	10	2.3	0.00
21/08/2022 05:50	2.1	103	10	3.1	0.00
21/08/2022 06:00	1.9	105	9	2.7	0.00
21/08/2022 06:10	1.7	97	16	2.6	0.00
21/08/2022 06:20	2.5	87	12	3.7	0.00
21/08/2022 06:30	2.9	89	12	3.9	0.00
21/08/2022 06:40	2.8	87	10	3.7	0.00
21/08/2022 06:50	2.9	87	10	3.7	0.00
21/08/2022 07:00	2.8	87	10	3.6	0.00
21/08/2022 07:10	3.1	91	10	4.0	0.00
21/08/2022 07:20	3.1	89	10	4.4	0.00
21/08/2022 07:30	3.1	87	13	4.4	0.00
21/08/2022 07:40	2.8	88	11	3.8	0.00
21/08/2022 07:50	3.1	92	12	4.4	0.00
21/08/2022 08:00	4.5	100	13	6.3	0.00
21/08/2022 08:10	3.9	96	11	5.5	0.00
21/08/2022 08:20	4.3	91	10	5.6	0.00
21/08/2022 08:30	4.2	95	13	5.7	0.00
21/08/2022 08:40	5.3	89	10	7.2	0.00
21/08/2022 08:50	4.9	87	10	6.1	0.00
21/08/2022 09:00	5.2	93	12	7.2	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/08/2022 09:10	5.0	93	15	7.1	0.00
21/08/2022 09:20	5.1	96	11	7.2	0.00
21/08/2022 09:30	5.1	98	12	7.4	0.00
21/08/2022 09:40	5.8	93	13	7.7	0.00
21/08/2022 09:50	6.2	92	12	8.7	0.00
21/08/2022 10:00	5.5	96	13	8.3	0.00
21/08/2022 10:10	5.2	83	12	7.5	0.00
21/08/2022 10:20	5.8	83	12	8.7	0.00
21/08/2022 10:30	5.5	85	12	7.7	0.00
21/08/2022 10:40	6.5	87	11	9.0	0.00
21/08/2022 10:50	6.2	81	11	8.6	0.00
21/08/2022 11:00	6.7	82	10	8.9	0.00
21/08/2022 11:10	6.0	84	13	8.3	0.00
21/08/2022 11:20	6.6	90	11	9.5	0.00
21/08/2022 11:30	6.4	89	10	8.3	0.00
21/08/2022 11:40	6.4	89	10	8.3	0.00
21/08/2022 11:50	6.5	86	12	8.8	0.00
21/08/2022 12:00	6.7	89	11	9.1	0.00
21/08/2022 12:10	6.5	88	11	9.0	0.00
21/08/2022 12:20	6.3	79	13	9.2	0.00
21/08/2022 12:30	7.0	74	11	9.8	0.00
21/08/2022 12:40	6.7	80	12	9.5	0.00
21/08/2022 12:50	6.4	72	12	10.2	0.00
21/08/2022 13:00	7.5	72	13	10.1	0.00
21/08/2022 13:10	7.3	74	11	9.6	0.00
21/08/2022 13:20	6.6	75	12	9.2	0.00
21/08/2022 13:30	7.9	72	10	10.5	0.00
21/08/2022 13:40	7.2	73	11	10.3	0.00
21/08/2022 13:50	6.5	70	14	9.1	0.00
21/08/2022 14:00	7.3	73	12	9.8	0.00
21/08/2022 14:10	7.3	75	11	10.2	0.00
21/08/2022 14:20	7.1	71	11	10.3	0.00
21/08/2022 14:30	6.8	72	12	9.7	0.00
21/08/2022 14:40	6.0	68	12	8.2	0.00
21/08/2022 14:50	6.1	65	12	8.3	0.00
21/08/2022 15:00	7.2	64	11	9.7	0.00
21/08/2022 15:10	6.3	64	11	8.7	0.00
21/08/2022 15:20	6.1	63	12	8.3	0.00
21/08/2022 15:30	6.3	63	12	8.1	0.00
21/08/2022 15:40	6.1	65	12	8.3	0.00
21/08/2022 15:50	5.7	64	13	8.3	0.00
21/08/2022 16:00	5.6	59	12	7.5	0.00
21/08/2022 16:10	6.1	59	11	8.1	0.00
21/08/2022 16:20	5.5	58	12	7.6	0.00
21/08/2022 16:30	5.4	58	10	7.4	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/08/2022 16:40	5.2	62	11	7.6	0.00
21/08/2022 16:50	4.8	59	11	6.5	0.00
21/08/2022 17:00	4.7	55	14	6.4	0.00
21/08/2022 17:10	4.5	59	11	6.1	0.00
21/08/2022 17:20	4.2	55	11	6.3	0.00
21/08/2022 17:30	4.0	57	13	5.3	0.00
21/08/2022 17:40	3.6	57	12	4.8	0.00
21/08/2022 17:50	2.6	43	11	3.7	0.00
21/08/2022 18:00	3.1	42	10	4.0	0.00
21/08/2022 18:10	3.2	49	10	4.1	0.00
21/08/2022 18:20	2.8	47	8	3.8	0.00
21/08/2022 18:30	2.7	50	10	3.6	0.00
21/08/2022 18:40	3.4	49	11	4.4	0.00
21/08/2022 18:50	3.2	52	11	4.2	0.00
21/08/2022 19:00	2.8	49	9	3.5	0.00
21/08/2022 19:10	2.3	63	10	3.1	0.00
21/08/2022 19:20	2.1	54	8	2.7	0.00
21/08/2022 19:30	1.8	46	10	2.5	0.00
21/08/2022 19:40	0.6	98	24	1.2	0.00
21/08/2022 19:50	0.6	297	17	1.1	0.00
21/08/2022 20:00	0.3	192	21	1.1	0.00
21/08/2022 20:10	1.4	231	27	2.2	0.00
21/08/2022 20:20	0.4	274	21	0.9	0.00
21/08/2022 20:30	0.7	234	24	1.2	0.00
21/08/2022 20:40	0.4	184	24	0.9	0.00
21/08/2022 20:50	0.3	243	28	0.8	0.00
21/08/2022 21:00	0.3	320	20	0.7	0.00
21/08/2022 21:10	0.7	33	15	1.0	0.00
21/08/2022 21:20	1.1	17	13	1.3	0.00
21/08/2022 21:30	0.3	294	10	0.8	0.00
21/08/2022 21:40	0.6	168	10	1.2	0.00
21/08/2022 21:50	0.8	18	7	1.3	0.00
21/08/2022 22:00	0.8	281	23	1.2	0.00
21/08/2022 22:10	0.8	249	21	1.2	0.00
21/08/2022 22:20	0.1	177	4	0.6	0.00
21/08/2022 22:30	0.7	195	23	1.3	0.00
21/08/2022 22:40	1.1	54	13	1.6	0.00
21/08/2022 22:50	0.3	75	9	1.0	0.00
21/08/2022 23:00	0.6	46	22	0.9	0.00
21/08/2022 23:10	0.5	110	7	1.0	0.00
21/08/2022 23:20	0.0	254	3	0.5	0.00
21/08/2022 23:30	0.2	172	8	0.6	0.00
21/08/2022 23:40	0.7	106	40	1.2	0.00
21/08/2022 23:50	0.8	272	19	1.2	0.00
22/08/2022 00:00	1.5	255	16	2.0	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/08/2022 00:10	0.3	293	4	0.9	0.00
22/08/2022 00:20	0.5	103	28	0.8	0.00
22/08/2022 00:30	0.4	169	23	1.1	0.00
22/08/2022 00:40	1.2	305	6	1.5	0.00
22/08/2022 00:50	0.9	308	8	1.2	0.00
22/08/2022 01:00	0.9	296	12	1.2	0.00
22/08/2022 01:10	0.7	297	12	1.0	0.00
22/08/2022 01:20	0.8	302	11	1.2	0.00
22/08/2022 01:30	0.6	297	3	1.2	0.00
22/08/2022 01:40	0.9	301	5	1.2	0.00
22/08/2022 01:50	0.9	304	6	1.2	0.00
22/08/2022 02:00	0.8	301	4	1.2	0.00
22/08/2022 02:10	1.0	299	4	1.2	0.00
22/08/2022 02:20	1.1	307	6	1.3	0.00
22/08/2022 02:30	0.8	332	10	1.1	0.00
22/08/2022 02:40	1.0	321	9	1.2	0.00
22/08/2022 02:50	1.0	300	10	1.4	0.00
22/08/2022 03:00	0.9	300	10	1.3	0.00
22/08/2022 03:10	1.0	297	6	1.2	0.00
22/08/2022 03:20	0.8	289	6	1.4	0.00
22/08/2022 03:30	0.5	285	17	0.9	0.00
22/08/2022 03:40	0.8	293	22	1.5	0.00
22/08/2022 03:50	0.1	141	12	0.8	0.00
22/08/2022 04:00	0.8	57	12	1.8	0.00
22/08/2022 04:10	0.3	87	30	0.9	0.00
22/08/2022 04:20	1.1	197	23	1.4	0.00
22/08/2022 04:30	0.4	182	33	0.8	0.00
22/08/2022 04:40	0.4	181	7	1.1	0.00
22/08/2022 04:50	1.1	302	7	1.2	0.00
22/08/2022 05:00	1.0	309	8	1.2	0.00
22/08/2022 05:10	1.0	302	3	1.3	0.00
22/08/2022 05:20	1.0	300	3	1.2	0.00
22/08/2022 05:30	1.0	300	5	1.2	0.00
22/08/2022 05:40	1.0	302	3	1.2	0.00
22/08/2022 05:50	1.1	300	3	1.3	0.00
22/08/2022 06:00	0.9	301	3	1.2	0.00
22/08/2022 06:10	0.5	339	25	1.0	0.00
22/08/2022 06:20	0.7	186	14	1.1	0.00
22/08/2022 06:30	0.8	186	22	1.1	0.00
22/08/2022 06:40	0.8	329	13	1.1	0.00
22/08/2022 06:50	0.8	329	14	1.0	0.00
22/08/2022 07:00	0.9	337	29	1.2	0.00
22/08/2022 07:10	0.8	324	16	1.2	0.00
22/08/2022 07:20	0.1	314	19	0.8	0.00
22/08/2022 07:30	0.6	80	15	1.1	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/08/2022 07:40	1.0	98	18	1.3	0.00
22/08/2022 07:50	1.0	109	19	1.6	0.00
22/08/2022 08:00	1.3	123	16	2.0	0.00
22/08/2022 08:10	2.1	129	15	2.8	0.00
22/08/2022 08:20	2.2	136	16	3.1	0.00
22/08/2022 08:30	2.4	129	16	3.1	0.00
22/08/2022 08:40	2.4	121	12	3.4	0.00
22/08/2022 08:50	2.6	126	14	3.4	0.00
22/08/2022 09:00	2.9	104	14	4.0	0.00
22/08/2022 09:10	3.2	105	12	4.3	0.00
22/08/2022 09:20	3.4	100	12	4.8	0.00
22/08/2022 09:30	3.3	99	10	4.3	0.00
22/08/2022 09:40	3.4	99	12	4.8	0.00
22/08/2022 09:50	3.8	97	10	4.9	0.00
22/08/2022 10:00	3.6	98	12	4.8	0.00
22/08/2022 10:10	3.7	89	10	4.9	0.00
22/08/2022 10:20	3.5	87	12	4.7	0.00
22/08/2022 10:30	3.5	90	12	4.8	0.00
22/08/2022 10:40	4.0	91	12	5.0	0.00
22/08/2022 10:50	4.0	88	11	5.8	0.00
22/08/2022 11:00	4.1	91	11	5.6	0.00
22/08/2022 11:10	4.4	91	11	6.2	0.00
22/08/2022 11:20	4.6	85	13	6.4	0.00
22/08/2022 11:30	4.9	84	11	6.4	0.00
22/08/2022 11:40	4.7	80	11	6.5	0.00
22/08/2022 11:50	5.0	82	12	7.3	0.00
22/08/2022 12:00	5.2	79	11	7.1	0.00
22/08/2022 12:10	5.6	82	10	7.8	0.00
22/08/2022 12:20	5.6	83	12	7.9	0.00
22/08/2022 12:30	5.6	84	11	7.3	0.00
22/08/2022 12:40	5.3	86	12	7.4	0.00
22/08/2022 12:50	5.7	80	13	7.6	0.00
22/08/2022 13:00	5.2	85	14	7.2	0.00
22/08/2022 13:10	5.4	85	12	7.6	0.00
22/08/2022 13:20	5.1	74	13	7.5	0.00
22/08/2022 13:30	5.1	82	13	6.7	0.00
22/08/2022 13:40	5.1	79	13	6.6	0.00
22/08/2022 13:50	5.3	80	10	7.1	0.00
22/08/2022 14:00	5.3	83	12	7.5	0.00
22/08/2022 14:10	4.9	77	14	6.3	0.00
22/08/2022 14:20	5.1	75	12	7.1	0.00
22/08/2022 14:30	5.2	64	13	7.2	0.00
22/08/2022 14:40	5.3	64	12	7.6	0.00
22/08/2022 14:50	6.0	66	10	7.6	0.00
22/08/2022 15:00	5.9	67	11	7.6	0.00





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/08/2022 15:10	5.3	55	13	7.2	0.00
22/08/2022 15:20	5.2	51	13	7.0	0.00
22/08/2022 15:30	5.0	52	13	6.6	0.00
22/08/2022 15:40	5.0	58	10	6.5	0.00
22/08/2022 15:50	4.5	52	12	6.1	0.00
22/08/2022 16:00	4.2	57	12	5.7	0.00
22/08/2022 16:10	4.0	52	14	5.6	0.00
22/08/2022 16:20	4.1	60	15	5.4	0.00
22/08/2022 16:30	3.7	42	13	4.9	0.00
22/08/2022 16:40	3.7	42	14	4.8	0.00
22/08/2022 16:50	3.3	37	15	4.4	0.00
22/08/2022 17:00	3.6	44	12	4.6	0.00
22/08/2022 17:10	3.4	51	14	4.5	0.00
22/08/2022 17:20	3.6	49	11	4.4	0.00
22/08/2022 17:30	3.2	44	12	4.8	0.00
22/08/2022 17:40	2.5	185	15	3.4	0.00
22/08/2022 17:50	3.1	183	16	4.5	0.00
22/08/2022 18:00	3.0	13	15	4.1	0.00
22/08/2022 18:10	3.0	17	14	4.2	0.00
22/08/2022 18:20	2.5	34	17	3.3	0.00
22/08/2022 18:30	2.4	11	13	3.2	0.00
22/08/2022 18:40	2.2	28	14	3.3	0.00
22/08/2022 18:50	2.3	30	14	3.6	0.00
22/08/2022 19:00	2.3	22	16	3.6	0.00
22/08/2022 19:10	2.8	31	14	4.2	0.00
22/08/2022 19:20	2.8	38	14	4.0	0.00
22/08/2022 19:30	2.3	36	14	3.2	0.00
22/08/2022 19:40	2.2	42	12	3.2	0.00
22/08/2022 19:50	2.1	52	10	2.7	0.00
22/08/2022 20:00	1.9	49	13	2.5	0.00
22/08/2022 20:10	1.1	35	21	1.8	0.00
22/08/2022 20:20	0.5	74	33	1.2	0.00
22/08/2022 20:30	0.6	76	44	1.5	0.00
22/08/2022 20:40	0.6	189	24	1.1	0.00
22/08/2022 20:50	1.1	245	22	1.4	0.00
22/08/2022 21:00	1.3	219	33	1.8	0.00
22/08/2022 21:10	0.8	231	38	1.2	0.00
22/08/2022 21:20	0.7	197	31	1.1	0.00
22/08/2022 21:30	0.2	209	29	1.0	0.00
22/08/2022 21:40	0.3	188	22	0.9	0.00
22/08/2022 21:50	0.6	74	36	1.2	0.00
22/08/2022 22:00	0.5	311	13	1.2	0.00
22/08/2022 22:10	0.4	305	49	0.8	0.00
22/08/2022 22:20	0.6	37	39	1.2	0.00
22/08/2022 22:30	0.7	252	51	1.2	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/08/2022 22:40	0.6	90	81	1.2	0.00
22/08/2022 22:50	0.5	165	24	1.1	0.00
22/08/2022 23:00	0.6	153	33	1.2	0.00
22/08/2022 23:10	0.7	324	26	1.2	0.00
22/08/2022 23:20	1.0	297	7	1.3	0.00
22/08/2022 23:30	0.6	307	21	0.8	0.00
22/08/2022 23:40	0.8	292	5	1.2	0.00
22/08/2022 23:50	0.7	284	9	0.9	0.00
23/08/2022 00:00	1.0	291	8	1.2	0.00
23/08/2022 00:10	0.9	293	6	1.2	0.00
23/08/2022 00:20	1.0	292	7	1.2	0.00
23/08/2022 00:30	0.7	295	9	0.9	0.00
23/08/2022 00:40	0.2	205	6	0.8	0.00
23/08/2022 00:50	0.3	226	21	1.0	0.00
23/08/2022 01:00	0.3	170	29	0.8	0.00
23/08/2022 01:10	0.6	221	47	1.2	0.00
23/08/2022 01:20	0.9	180	58	1.7	0.00
23/08/2022 01:30	1.9	138	23	3.3	0.00
23/08/2022 01:40	1.8	146	24	3.1	0.00
23/08/2022 01:50	0.8	187	36	1.8	0.00
23/08/2022 02:00	1.8	131	19	2.5	0.00
23/08/2022 02:10	1.3	109	54	2.2	0.00
23/08/2022 02:20	0.9	99	34	1.6	0.00
23/08/2022 02:30	0.5	138	39	0.8	0.00
23/08/2022 02:40	0.7	320	24	1.0	0.00
23/08/2022 02:50	0.7	326	22	1.0	0.00
23/08/2022 03:00	0.4	228	33	1.0	0.00
23/08/2022 03:10	1.0	99	10	1.4	0.00
23/08/2022 03:20	1.1	94	10	1.5	0.00
23/08/2022 03:30	0.6	96	10	1.2	0.00
23/08/2022 03:40	0.4	196	25	1.0	0.00
23/08/2022 03:50	0.6	233	32	1.2	0.00
23/08/2022 04:00	1.0	309	10	1.2	0.00
23/08/2022 04:10	0.7	227	46	1.9	0.00
23/08/2022 04:20	1.3	124	27	2.7	0.00
23/08/2022 04:30	1.2	126	24	2.2	0.00
23/08/2022 04:40	1.9	110	17	3.6	0.00
23/08/2022 04:50	4.3	116	15	7.0	0.00
23/08/2022 05:00	4.2	102	11	6.0	0.00
23/08/2022 05:10	4.4	99	11	6.0	0.00
23/08/2022 05:20	4.7	99	11	7.2	0.00
23/08/2022 05:30	5.0	99	12	7.6	0.00
23/08/2022 05:40	4.8	102	13	6.8	0.00
23/08/2022 05:50	4.9	103	11	7.2	0.00
23/08/2022 06:00	4.9	98	11	7.2	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/08/2022 06:10	4.5	105	12	6.2	0.00
23/08/2022 06:20	5.6	103	12	8.1	0.00
23/08/2022 06:30	5.9	103	12	8.3	0.00
23/08/2022 06:40	5.8	102	12	9.0	0.00
23/08/2022 06:50	6.6	102	13	9.2	0.00
23/08/2022 07:00	5.8	100	13	8.5	0.00
23/08/2022 07:10	6.5	101	13	10.2	0.00
23/08/2022 07:20	6.7	99	13	9.9	0.00
23/08/2022 07:30	6.5	100	13	8.8	0.00
23/08/2022 07:40	7.0	102	12	9.9	0.00
23/08/2022 07:50	7.4	101	15	10.8	0.00
23/08/2022 08:00	7.2	104	12	10.3	0.00
23/08/2022 08:10	6.9	97	13	9.2	0.00
23/08/2022 08:20	6.5	102	12	10.7	0.00
23/08/2022 08:30	7.4	104	13	10.9	0.00
23/08/2022 08:40	7.1	102	13	10.9	0.00
23/08/2022 08:50	7.9	102	13	11.8	0.00
23/08/2022 09:00	8.4	102	11	11.3	0.00
23/08/2022 09:10	7.6	97	13	11.3	0.00
23/08/2022 09:20	8.1	101	14	11.4	0.00
23/08/2022 09:30	7.5	102	11	10.2	0.00
23/08/2022 09:40	7.4	99	13	12.6	0.00
23/08/2022 09:50	6.9	95	14	10.2	0.00
23/08/2022 10:00	6.7	102	15	9.5	0.00
23/08/2022 10:10	7.1	100	12	9.8	0.00
23/08/2022 10:20	7.0	100	14	10.4	0.00
23/08/2022 10:30	6.7	99	13	9.1	0.00
23/08/2022 10:40	7.5	94	13	10.7	0.00
23/08/2022 10:50	7.7	88	13	10.7	0.00
23/08/2022 11:00	7.1	94	13	10.4	0.00
23/08/2022 11:10	6.7	89	12	9.5	0.00
23/08/2022 11:20	6.5	88	13	9.4	0.00
23/08/2022 11:30	7.2	85	11	9.9	0.00
23/08/2022 11:40	7.6	86	12	10.5	0.00
23/08/2022 11:50	6.7	90	11	9.9	0.00
23/08/2022 12:00	7.0	83	13	9.5	0.00
23/08/2022 12:10	7.4	80	12	10.3	0.00
23/08/2022 12:20	7.4	82	10	10.1	0.00
23/08/2022 12:30	7.4	82	11	10.6	0.00
23/08/2022 12:40	6.7	81	12	9.4	0.00
23/08/2022 12:50	8.0	80	9	11.0	0.00
23/08/2022 13:00	6.7	85	14	9.4	0.00
23/08/2022 13:10	6.4	82	11	9.2	0.00
23/08/2022 13:20	6.5	80	11	9.2	0.10
23/08/2022 13:30	6.7	74	12	9.2	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/08/2022 13:40	6.9	73	11	9.5	0.00
23/08/2022 13:50	7.1	76	12	9.5	0.00
23/08/2022 14:00	7.3	77	13	10.4	0.00
23/08/2022 14:10	7.3	76	11	9.8	0.00
23/08/2022 14:20	6.6	78	12	9.7	0.00
23/08/2022 14:30	5.7	75	11	8.0	0.00
23/08/2022 14:40	6.3	75	11	8.7	0.00
23/08/2022 14:50	6.4	77	12	8.6	0.00
23/08/2022 15:00	5.9	75	12	8.8	0.00
23/08/2022 15:10	6.1	76	11	8.5	0.00
23/08/2022 15:20	5.9	76	14	7.9	0.00
23/08/2022 15:30	5.8	73	13	8.4	0.00
23/08/2022 15:40	6.0	73	12	7.7	0.00
23/08/2022 15:50	5.3	78	15	8.0	0.00
23/08/2022 16:00	5.6	75	12	7.6	0.00
23/08/2022 16:10	5.4	73	13	7.3	0.00
23/08/2022 16:20	5.1	74	12	7.7	0.00
23/08/2022 16:30	4.8	74	12	7.2	0.00
23/08/2022 16:40	5.2	76	11	7.4	0.00
23/08/2022 16:50	5.1	73	12	7.2	0.00
23/08/2022 17:00	4.8	75	11	7.1	0.00
23/08/2022 17:10	5.0	74	12	7.1	0.00
23/08/2022 17:20	4.4	76	11	7.0	0.00
23/08/2022 17:30	4.1	74	13	6.0	0.00
23/08/2022 17:40	4.1	69	11	5.9	0.00
23/08/2022 17:50	4.1	72	10	6.1	0.00
23/08/2022 18:00	4.0	71	10	6.0	0.00
23/08/2022 18:10	3.9	71	11	5.2	0.00
23/08/2022 18:20	4.0	71	11	5.6	0.00
23/08/2022 18:30	3.6	67	10	4.5	0.00
23/08/2022 18:40	3.5	66	11	4.7	0.00
23/08/2022 18:50	3.1	73	12	4.5	0.00
23/08/2022 19:00	3.0	79	9	4.3	0.00
23/08/2022 19:10	2.8	86	11	3.9	0.00
23/08/2022 19:20	2.6	86	11	3.7	0.00
23/08/2022 19:30	2.6	89	10	3.3	0.00
23/08/2022 19:40	2.5	87	10	3.4	0.00
23/08/2022 19:50	2.6	87	11	3.6	0.00
23/08/2022 20:00	2.8	83	9	3.6	0.00
23/08/2022 20:10	2.8	80	9	3.7	0.00
23/08/2022 20:20	2.6	82	10	3.5	0.00
23/08/2022 20:30	2.8	80	9	4.0	0.00
23/08/2022 20:40	3.1	82	11	4.2	0.00
23/08/2022 20:50	3.8	76	9	5.2	0.00
23/08/2022 21:00	4.4	79	10	6.0	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/08/2022 21:10	4.4	81	11	6.4	0.00
23/08/2022 21:20	4.6	85	12	6.2	0.00
23/08/2022 21:30	5.2	86	10	6.9	0.00
23/08/2022 21:40	5.2	88	11	7.5	0.00
23/08/2022 21:50	4.8	87	11	6.4	0.00
23/08/2022 22:00	4.1	91	10	5.4	0.00
23/08/2022 22:10	3.9	96	11	5.3	0.00
23/08/2022 22:20	3.7	94	12	5.0	0.00
23/08/2022 22:30	4.1	99	11	6.0	0.00
23/08/2022 22:40	4.2	100	11	6.6	0.00
23/08/2022 22:50	4.9	100	11	6.8	0.00
23/08/2022 23:00	5.4	99	11	7.9	0.00
23/08/2022 23:10	5.2	99	12	6.8	0.00
23/08/2022 23:20	5.2	105	12	7.0	0.00
23/08/2022 23:30	6.0	107	11	9.4	0.00
23/08/2022 23:40	6.2	104	10	8.7	0.00
23/08/2022 23:50	6.3	101	11	8.5	0.00
24/08/2022 00:00	6.0	103	11	8.7	0.00
24/08/2022 00:10	6.9	103	11	9.5	0.00
24/08/2022 00:20	6.0	100	11	8.7	0.00
24/08/2022 00:30	5.9	104	12	8.4	0.00
24/08/2022 00:40	6.4	99	12	8.7	0.00
24/08/2022 00:50	6.7	100	12	9.1	0.00
24/08/2022 01:00	6.5	104	12	9.2	0.00
24/08/2022 01:10	6.8	103	14	9.5	0.00
24/08/2022 01:20	7.2	103	12	9.6	0.00
24/08/2022 01:30	7.1	103	12	10.0	0.00
24/08/2022 01:40	6.9	104	13	9.5	0.00
24/08/2022 01:50	7.3	104	11	10.7	0.00
24/08/2022 02:00	7.4	102	11	10.1	0.00
24/08/2022 02:10	6.6	106	12	9.2	0.00
24/08/2022 02:20	6.9	103	12	9.3	0.00
24/08/2022 02:30	6.9	101	11	9.5	0.00
24/08/2022 02:40	6.9	103	11	9.3	0.00
24/08/2022 02:50	7.0	101	12	9.8	0.00
24/08/2022 03:00	6.0	100	13	8.8	0.00
24/08/2022 03:10	5.8	101	12	7.9	0.00
24/08/2022 03:20	6.8	102	11	10.2	0.00
24/08/2022 03:30	6.6	103	12	9.9	0.00
24/08/2022 03:40	6.3	105	11	8.7	0.00
24/08/2022 03:50	7.7	105	11	10.1	0.00
24/08/2022 04:00	7.7	102	11	11.3	0.00
24/08/2022 04:10	7.8	103	14	10.3	0.00
24/08/2022 04:20	7.0	106	11	9.7	0.00
24/08/2022 04:30	7.7	103	10	10.6	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/08/2022 04:40	7.7	104	11	10.0	0.00
24/08/2022 04:50	7.7	101	12	11.2	0.00
24/08/2022 05:00	7.0	102	12	9.9	0.00
24/08/2022 05:10	7.6	105	12	10.3	0.00
24/08/2022 05:20	7.2	101	11	10.7	0.00
24/08/2022 05:30	7.5	103	10	10.8	0.00
24/08/2022 05:40	6.9	105	13	9.3	0.00
24/08/2022 05:50	7.3	103	14	10.9	0.00
24/08/2022 06:00	8.5	102	11	11.3	0.00
24/08/2022 06:10	7.6	101	13	10.7	0.00
24/08/2022 06:20	7.5	100	11	10.5	0.00
24/08/2022 06:30	6.8	99	11	9.7	0.00
24/08/2022 06:40	7.4	100	12	10.7	0.00
24/08/2022 06:50	7.7	101	11	10.4	0.00
24/08/2022 07:00	7.0	101	12	10.3	0.00
24/08/2022 07:10	7.0	103	12	9.6	0.00
24/08/2022 07:20	6.8	101	10	9.4	0.00
24/08/2022 07:30	6.0	97	13	10.3	0.00
24/08/2022 07:40	7.0	96	13	9.5	0.00
24/08/2022 07:50	7.3	100	11	10.4	0.00
24/08/2022 08:00	7.4	105	12	10.7	0.00
24/08/2022 08:10	8.0	103	13	11.1	0.00
24/08/2022 08:20	6.9	100	12	9.7	0.00
24/08/2022 08:30	6.8	101	12	9.8	0.00
24/08/2022 08:40	7.9	100	11	10.0	0.00
24/08/2022 08:50	7.1	102	13	9.5	0.00
24/08/2022 09:00	8.0	98	12	11.5	0.00
24/08/2022 09:10	7.6	102	12	10.5	0.00
24/08/2022 09:20	7.9	93	12	11.1	0.00
24/08/2022 09:30	7.9	93	13	10.9	0.00
24/08/2022 09:40	8.1	90	12	11.1	0.00
24/08/2022 09:50	8.0	95	12	11.3	0.00
24/08/2022 10:00	8.3	102	11	11.1	0.00
24/08/2022 10:10	8.0	101	13	10.5	0.00
24/08/2022 10:20	8.3	92	12	11.3	0.00
24/08/2022 10:30	8.5	91	12	10.8	0.00
24/08/2022 10:40	8.6	92	11	11.5	0.00
24/08/2022 10:50	8.6	92	12	11.5	0.00
24/08/2022 11:00	8.3	95	11	11.5	0.00
24/08/2022 11:10	8.9	88	12	11.8	0.00
24/08/2022 11:20	8.8	90	10	11.9	0.00
24/08/2022 11:30	8.9	89	12	12.0	0.00
24/08/2022 11:40	7.8	88	11	10.8	0.00
24/08/2022 11:50	8.0	85	12	10.8	0.00
24/08/2022 12:00	6.7	85	13	9.1	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/08/2022 12:10	7.3	83	12	9.6	0.00
24/08/2022 12:20	7.6	77	12	10.0	0.00
24/08/2022 12:30	7.1	77	11	9.9	0.00
24/08/2022 12:40	6.9	80	12	10.2	0.00
24/08/2022 12:50	7.2	84	12	9.2	0.00
24/08/2022 13:00	7.0	81	11	9.1	0.00
24/08/2022 13:10	5.9	87	16	8.3	0.00
24/08/2022 13:20	5.4	90	13	7.9	0.00
24/08/2022 13:30	5.4	85	14	7.9	0.00
24/08/2022 13:40	4.4	84	18	6.7	0.00
24/08/2022 13:50	5.0	86	15	7.5	0.00
24/08/2022 14:00	5.1	71	15	6.8	0.00
24/08/2022 14:10	5.1	76	14	7.2	0.00
24/08/2022 14:20	5.0	73	11	7.2	0.00
24/08/2022 14:30	5.2	76	12	6.9	0.00
24/08/2022 14:40	5.4	75	12	7.6	0.00
24/08/2022 14:50	5.1	75	12	6.8	0.00
24/08/2022 15:00	5.7	72	11	7.9	0.00
24/08/2022 15:10	5.4	75	11	7.3	0.00
24/08/2022 15:20	6.0	77	11	7.5	0.00
24/08/2022 15:30	5.7	79	10	7.6	0.00
24/08/2022 15:40	4.2	76	12	5.9	0.00
24/08/2022 15:50	5.4	79	11	7.6	0.00
24/08/2022 16:00	4.9	80	10	6.1	0.00
24/08/2022 16:10	4.7	78	13	6.4	0.00
24/08/2022 16:20	3.8	67	13	5.3	0.00
24/08/2022 16:30	3.9	70	14	5.7	0.00
24/08/2022 16:40	3.6	69	16	5.2	0.00
24/08/2022 16:50	3.7	67	12	5.6	0.00
24/08/2022 17:00	3.4	71	12	5.2	0.00
24/08/2022 17:10	3.5	62	12	4.9	0.00
24/08/2022 17:20	3.0	65	11	4.4	0.00
24/08/2022 17:30	3.0	59	12	4.1	0.00
24/08/2022 17:40	2.8	60	9	3.7	0.00
24/08/2022 17:50	3.1	59	11	4.2	0.00
24/08/2022 18:00	3.4	58	9	4.5	0.00
24/08/2022 18:10	3.3	59	9	4.4	0.00
24/08/2022 18:20	3.2	58	10	4.1	0.00
24/08/2022 18:30	2.8	57	9	3.6	0.00
24/08/2022 18:40	2.5	58	8	3.3	0.00
24/08/2022 18:50	2.4	57	8	3.0	0.00
24/08/2022 19:00	2.6	56	8	3.2	0.00
24/08/2022 19:10	2.4	50	8	3.2	0.00
24/08/2022 19:20	2.2	46	8	2.6	0.00
24/08/2022 19:30	2.1	47	7	2.8	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/08/2022 19:40	1.9	40	6	2.3	0.00
24/08/2022 19:50	1.4	43	9	1.7	0.00
24/08/2022 20:00	0.1	92	13	0.7	0.00
24/08/2022 20:10	0.3	249	3	0.7	0.00
24/08/2022 20:20	0.7	215	12	1.1	0.00
24/08/2022 20:30	0.4	305	6	0.8	0.00
24/08/2022 20:40	0.8	297	8	1.2	0.00
24/08/2022 20:50	0.9	295	7	1.1	0.00
24/08/2022 21:00	0.6	293	9	0.8	0.00
24/08/2022 21:10	0.7	187	23	0.8	0.00
24/08/2022 21:20	0.3	174	17	0.8	0.00
24/08/2022 21:30	0.4	170	19	1.1	0.00
24/08/2022 21:40	0.4	8	29	0.8	0.00
24/08/2022 21:50	0.0	322	2	0.5	0.00
24/08/2022 22:00	0.7	331	19	0.8	0.00
24/08/2022 22:10	0.6	187	36	0.8	0.00
24/08/2022 22:20	0.6	35	28	1.1	0.00
24/08/2022 22:30	0.5	5	29	0.8	0.00
24/08/2022 22:40	0.8	35	17	1.0	0.00
24/08/2022 22:50	0.3	48	6	0.9	0.00
24/08/2022 23:00	0.9	69	16	1.2	0.00
24/08/2022 23:10	0.4	61	13	0.8	0.00
24/08/2022 23:20	0.2	82	6	0.8	0.00
24/08/2022 23:30	0.5	93	18	0.8	0.00
24/08/2022 23:40	0.0	71	5	0.6	0.00
24/08/2022 23:50	0.6	70	13	1.2	0.00
25/08/2022 00:00	0.9	52	12	1.2	0.00
25/08/2022 00:10	1.2	59	6	1.5	0.00
25/08/2022 00:20	1.2	62	6	1.5	0.00
25/08/2022 00:30	1.8	57	4	2.0	0.00
25/08/2022 00:40	1.6	47	6	1.9	0.00
25/08/2022 00:50	1.4	38	6	1.8	0.00
25/08/2022 01:00	1.2	41	5	1.5	0.00
25/08/2022 01:10	0.8	35	8	1.2	0.00
25/08/2022 01:20	0.2	208	7	0.6	0.00
25/08/2022 01:30	0.2	315	11	0.8	0.00
25/08/2022 01:40	0.2	245	7	0.6	0.00
25/08/2022 01:50	0.3	319	17	1.1	0.00
25/08/2022 02:00	0.4	243	35	0.9	0.00
25/08/2022 02:10	0.4	195	40	1.0	0.00
25/08/2022 02:20	0.5	104	18	1.4	0.00
25/08/2022 02:30	1.5	99	15	2.5	0.00
25/08/2022 02:40	2.7	95	14	4.3	0.00
25/08/2022 02:50	2.3	94	12	3.0	0.00
25/08/2022 03:00	2.9	92	10	4.0	0.00





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/08/2022 03:10	2.8	90	10	3.6	0.00
25/08/2022 03:20	2.7	92	10	3.7	0.00
25/08/2022 03:30	2.9	89	9	3.8	0.00
25/08/2022 03:40	2.7	88	9	3.4	0.00
25/08/2022 03:50	2.7	93	9	3.5	0.00
25/08/2022 04:00	2.6	93	9	3.2	0.00
25/08/2022 04:10	2.9	99	9	3.9	0.00
25/08/2022 04:20	2.9	97	9	4.0	0.00
25/08/2022 04:30	3.4	97	9	4.4	0.00
25/08/2022 04:40	3.6	96	9	5.1	0.00
25/08/2022 04:50	3.6	96	10	4.9	0.00
25/08/2022 05:00	3.8	96	9	4.8	0.00
25/08/2022 05:10	3.7	99	8	4.7	0.00
25/08/2022 05:20	3.8	100	8	4.8	0.00
25/08/2022 05:30	4.1	103	9	5.7	0.00
25/08/2022 05:40	4.6	105	8	5.9	0.00
25/08/2022 05:50	5.3	106	8	6.6	0.00
25/08/2022 06:00	4.7	100	9	6.2	0.00
25/08/2022 06:10	4.4	98	8	6.0	0.00
25/08/2022 06:20	4.2	98	8	5.3	0.00
25/08/2022 06:30	4.0	99	8	5.2	0.00
25/08/2022 06:40	3.9	101	8	4.9	0.00
25/08/2022 06:50	4.0	98	10	5.0	0.00
25/08/2022 07:00	4.3	102	8	5.8	0.00
25/08/2022 07:10	4.8	103	11	6.4	0.00
25/08/2022 07:20	5.1	106	10	6.8	0.00
25/08/2022 07:30	4.7	101	10	6.0	0.00
25/08/2022 07:40	4.4	103	10	5.6	0.00
25/08/2022 07:50	4.6	101	11	6.3	0.00
25/08/2022 08:00	4.5	100	11	6.2	0.00
25/08/2022 08:10	5.0	102	12	6.6	0.00
25/08/2022 08:20	5.5	104	13	7.2	0.00
25/08/2022 08:30	5.4	100	13	7.1	0.00
25/08/2022 08:40	5.2	97	12	7.0	0.00
25/08/2022 08:50	5.2	100	15	6.8	0.00
25/08/2022 09:00	5.7	91	11	8.0	0.00
25/08/2022 09:10	6.2	91	13	8.3	0.00
25/08/2022 09:20	6.2	92	12	9.3	0.00
25/08/2022 09:30	6.1	96	13	9.8	0.00
25/08/2022 09:40	5.8	83	13	8.2	0.00
25/08/2022 09:50	7.1	81	11	9.4	0.00
25/08/2022 10:00	7.1	83	12	9.5	0.00
25/08/2022 10:10	6.6	86	12	9.6	0.00
25/08/2022 10:20	6.9	87	13	9.1	0.00
25/08/2022 10:30	6.4	93	12	9.3	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/08/2022 10:40	6.9	85	12	9.1	0.00
25/08/2022 10:50	7.1	82	12	9.5	0.00
25/08/2022 11:00	6.7	88	14	9.5	0.00
25/08/2022 11:10	7.2	83	11	9.2	0.00
25/08/2022 11:20	6.6	87	12	9.5	0.00
25/08/2022 11:30	6.9	78	12	9.5	0.00
25/08/2022 11:40	7.0	81	12	9.5	0.00
25/08/2022 11:50	6.8	77	13	9.3	0.00
25/08/2022 12:00	7.4	74	10	9.9	0.00
25/08/2022 12:10	7.3	76	11	10.0	0.00
25/08/2022 12:20	7.2	77	11	10.0	0.00
25/08/2022 12:30	6.4	77	13	9.3	0.00
25/08/2022 12:40	6.3	86	15	8.6	0.00
25/08/2022 12:50	6.4	90	13	8.6	0.00
25/08/2022 13:00	6.6	87	12	8.4	0.00
25/08/2022 13:10	6.2	81	12	9.0	0.00
25/08/2022 13:20	6.6	75	13	8.7	0.00
25/08/2022 13:30	6.5	75	13	9.1	0.00
25/08/2022 13:40	6.6	72	12	9.0	0.00
25/08/2022 13:50	5.7	68	13	8.0	0.00
25/08/2022 14:00	6.5	70	10	8.3	0.00
25/08/2022 14:10	5.8	62	11	7.5	0.00
25/08/2022 14:20	5.9	66	9	7.6	0.00
25/08/2022 14:30	5.7	59	13	7.3	0.00
25/08/2022 14:40	6.0	60	11	7.6	0.00
25/08/2022 14:50	5.3	57	12	7.1	0.00
25/08/2022 15:00	5.2	62	13	6.8	0.00
25/08/2022 15:10	5.3	65	13	7.5	0.00
25/08/2022 15:20	5.1	53	12	6.6	0.00
25/08/2022 15:30	4.7	55	13	6.3	0.00
25/08/2022 15:40	4.7	52	14	6.5	0.00
25/08/2022 15:50	4.1	54	13	5.5	0.00
25/08/2022 16:00	4.2	58	13	5.7	0.00
25/08/2022 16:10	3.7	54	14	5.4	0.00
25/08/2022 16:20	3.9	58	12	4.8	0.00
25/08/2022 16:30	3.7	54	13	5.0	0.00
25/08/2022 16:40	3.7	60	12	4.9	0.00
25/08/2022 16:50	3.5	54	12	4.8	0.00
25/08/2022 17:00	3.6	52	15	4.8	0.00
25/08/2022 17:10	3.7	40	13	4.8	0.00
25/08/2022 17:20	3.3	44	14	4.8	0.00
25/08/2022 17:30	3.3	43	12	4.7	0.00
25/08/2022 17:40	2.8	36	14	4.0	0.00
25/08/2022 17:50	2.6	30	15	3.5	0.00
25/08/2022 18:00	2.0	32	17	3.2	0.00



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/08/2022 18:10	1.9	28	17	2.8	0.00
25/08/2022 18:20	1.8	28	19	2.8	0.00
25/08/2022 18:30	1.9	10	20	2.6	0.00
25/08/2022 18:40	2.1	26	18	3.4	0.00
25/08/2022 18:50	2.1	38	15	3.6	0.00
25/08/2022 19:00	2.3	51	12	3.1	0.00
25/08/2022 19:10	1.7	41	13	2.4	0.00
25/08/2022 19:20	1.6	36	14	2.3	0.00
25/08/2022 19:30	1.6	34	16	2.4	0.00
25/08/2022 19:40	2.0	42	13	2.8	0.00
25/08/2022 19:50	1.4	49	20	2.4	0.00
25/08/2022 20:00	1.4	51	12	2.4	0.00
25/08/2022 20:10	1.3	41	14	1.8	0.00
25/08/2022 20:20	1.4	52	10	2.4	0.00
25/08/2022 20:30	1.6	62	14	2.1	0.00
25/08/2022 20:40	0.8	152	33	1.4	0.00
25/08/2022 20:50	0.5	178	30	0.9	0.00
25/08/2022 21:00	0.6	289	32	1.1	0.00
25/08/2022 21:10	0.4	275	15	0.9	0.00
25/08/2022 21:20	0.0	246	0	0.4	0.00
25/08/2022 21:30	0.3	44	7	0.9	0.00
25/08/2022 21:40	0.7	102	47	1.1	0.00
25/08/2022 21:50	0.3	240	7	0.8	0.00
25/08/2022 22:00	0.8	124	17	1.1	0.00
25/08/2022 22:10	0.8	296	25	1.6	0.00
25/08/2022 22:20	0.6	262	17	0.8	0.00
25/08/2022 22:30	0.9	257	12	1.2	0.00
25/08/2022 22:40	0.2	146	4	0.7	0.00
25/08/2022 22:50	0.8	45	11	1.2	0.00
25/08/2022 23:00	1.0	314	17	1.2	0.00
25/08/2022 23:10	0.6	292	5	1.1	0.00
25/08/2022 23:20	0.1	269	4	0.6	0.00
25/08/2022 23:30	0.2	264	5	0.6	0.00
25/08/2022 23:40					0.00
25/08/2022 23:50	0.3	309	8	0.9	0.00
26/08/2022 00:00	0.1	309	1	0.8	0.00
26/08/2022 00:10	0.6	298	9	0.9	0.00
26/08/2022 00:20	0.6	290	9	1.0	0.00
26/08/2022 00:30	0.5	301	6	1.0	0.00
26/08/2022 00:40	0.9	272	10	1.5	0.00
26/08/2022 00:50	0.6	177	26	0.9	0.00
26/08/2022 01:00	0.9	241	19	1.4	0.00
26/08/2022 01:10	0.7	277	15	1.0	0.00
26/08/2022 01:20	0.1	129	5	0.6	0.00
26/08/2022 01:30	0.6	268	22	0.9	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/08/2022 01:40	0.3	180	15	0.8	0.00
26/08/2022 01:50	0.6	292	11	1.1	0.00
26/08/2022 02:00	0.8	292	7	1.2	0.00
26/08/2022 02:10	0.9	294	9	1.2	0.00
26/08/2022 02:20	0.2	304	2	1.0	0.00
26/08/2022 02:30	0.6	274	18	0.9	0.00
26/08/2022 02:40	0.6	243	17	1.2	0.00
26/08/2022 02:50	0.8	231	20	2.0	0.00
26/08/2022 03:00	1.1	228	33	2.0	0.00
26/08/2022 03:10	0.7	274	18	1.2	0.00
26/08/2022 03:20	0.8	67	34	1.1	0.00
26/08/2022 03:30	0.7	317	11	1.2	0.00
26/08/2022 03:40	1.1	277	16	1.6	0.00
26/08/2022 03:50	1.9	246	11	2.4	0.00
26/08/2022 04:00	1.8	172	48	2.6	0.00
26/08/2022 04:10	1.2	170	32	1.8	0.00
26/08/2022 04:20	0.6	292	20	1.2	0.00
26/08/2022 04:30	0.7	299	19	1.1	0.00
26/08/2022 04:40	0.5	291	9	1.0	0.00
26/08/2022 04:50	1.0	266	15	1.3	0.00
26/08/2022 05:00	0.7	147	49	1.4	0.00
26/08/2022 05:10	0.7	123	71	1.2	0.00
26/08/2022 05:20	1.6	130	26	3.0	0.00
26/08/2022 05:30	1.2	151	41	1.8	0.00
26/08/2022 05:40	1.2	107	43	2.8	0.00
26/08/2022 05:50	2.0	96	15	2.8	0.00
26/08/2022 06:00	2.0	113	20	3.2	0.00
26/08/2022 06:10	1.6	118	20	2.7	0.00
26/08/2022 06:20	1.7	103	16	2.3	0.00
26/08/2022 06:30	2.0	98	11	2.7	0.00
26/08/2022 06:40	1.7	95	10	2.1	0.00
26/08/2022 06:50	1.6	91	10	2.0	0.00
26/08/2022 07:00	1.5	103	9	2.0	0.00
26/08/2022 07:10	1.1	104	12	1.4	0.00
26/08/2022 07:20	0.6	107	16	1.0	0.00
26/08/2022 07:30	0.8	121	11	1.6	0.00
26/08/2022 07:40	1.3	123	17	1.7	0.00
26/08/2022 07:50	1.1	137	16	1.6	0.00
26/08/2022 08:00	1.1	125	18	1.5	0.00
26/08/2022 08:10	1.8	112	15	2.4	0.00
26/08/2022 08:20	2.4	103	15	3.4	0.00
26/08/2022 08:30	2.9	103	13	4.2	0.00
26/08/2022 08:40	3.2	108	14	4.5	0.00
26/08/2022 08:50	2.1	107	13	2.8	0.00
26/08/2022 09:00	2.0	128	26	3.0	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/08/2022 09:10	2.2	121	19	3.2	0.00
26/08/2022 09:20	3.3	92	15	4.4	0.00
26/08/2022 09:30	3.4	98	14	4.4	0.00
26/08/2022 09:40	3.6	106	13	4.9	0.00
26/08/2022 09:50	4.3	113	14	6.4	0.00
26/08/2022 10:00	4.6	104	14	6.1	0.00
26/08/2022 10:10	4.3	105	12	6.8	0.00
26/08/2022 10:20	4.8	107	14	6.8	0.00
26/08/2022 10:30	4.6	105	13	6.2	0.00
26/08/2022 10:40	5.3	108	10	7.0	0.00
26/08/2022 10:50	5.4	105	12	7.8	0.00
26/08/2022 11:00	5.4	92	12	7.7	0.00
26/08/2022 11:10	5.9	92	12	7.9	0.00
26/08/2022 11:20	5.5	89	13	7.3	0.00
26/08/2022 11:30	6.3	100	13	8.1	0.00
26/08/2022 11:40	6.2	102	11	7.9	0.00
26/08/2022 11:50	5.9	90	12	7.8	0.00
26/08/2022 12:00	5.9	89	13	7.6	0.00
26/08/2022 12:10	5.7	94	13	7.6	0.00
26/08/2022 12:20	5.6	96	12	7.7	0.00
26/08/2022 12:30	5.7	83	11	7.8	0.00
26/08/2022 12:40	5.7	84	12	7.2	0.00
26/08/2022 12:50	5.9	85	10	7.3	0.00
26/08/2022 13:00	5.7	87	12	7.5	0.00
26/08/2022 13:10	5.6	87	12	7.3	0.00
26/08/2022 13:20	5.8	88	12	7.7	0.00
26/08/2022 13:30	5.3	85	12	7.5	0.00
26/08/2022 13:40	5.5	79	14	7.9	0.00
26/08/2022 13:50	5.4	81	14	7.0	0.00
26/08/2022 14:00	5.2	84	13	6.9	0.00
26/08/2022 14:10	5.1	76	11	6.9	0.00
26/08/2022 14:20	5.4	76	11	7.7	0.00
26/08/2022 14:30	5.4	74	11	7.5	0.00
26/08/2022 14:40	5.6	71	11	7.5	0.00
26/08/2022 14:50	5.6	75	11	7.5	0.00
26/08/2022 15:00	5.4	76	13	7.3	0.00
26/08/2022 15:10	5.3	79	10	7.0	0.00
26/08/2022 15:20	4.9	64	12	7.0	0.00
26/08/2022 15:30	5.1	69	12	6.7	0.00
26/08/2022 15:40	4.7	55	12	6.1	0.00
26/08/2022 15:50	4.2	56	12	5.4	0.00
26/08/2022 16:00	3.8	65	13	5.3	0.00
26/08/2022 16:10	3.7	53	17	5.0	0.00
26/08/2022 16:20	3.3	40	18	5.2	0.00
26/08/2022 16:30	3.3	39	18	4.8	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/08/2022 16:40	3.3	43	14	4.4	0.00
26/08/2022 16:50	2.8	24	20	4.4	0.00
26/08/2022 17:00	3.2	352	17	4.4	0.00
26/08/2022 17:10	2.8	178	17	4.3	0.00
26/08/2022 17:20	2.8	11	16	4.0	0.00
26/08/2022 17:30	2.7	13	15	4.1	0.00
26/08/2022 17:40	2.6	5	20	4.1	0.00
26/08/2022 17:50	2.9	5	16	4.3	0.00
26/08/2022 18:00	2.8	10	17	3.9	0.00
26/08/2022 18:10	2.5	17	17	3.6	0.00
26/08/2022 18:20	2.4	10	17	3.6	0.00
26/08/2022 18:30	2.4	13	17	3.6	0.00
26/08/2022 18:40	2.2	11	14	3.5	0.00
26/08/2022 18:50	2.5	11	16	3.5	0.00
26/08/2022 19:00	2.6	8	13	3.7	0.00
26/08/2022 19:10	2.6	5	15	3.6	0.00
26/08/2022 19:20	1.9	10	23	3.3	0.00
26/08/2022 19:30	1.2	161	36	2.4	0.00
26/08/2022 19:40	0.8	258	48	1.5	0.00
26/08/2022 19:50	0.9	255	28	1.6	0.00
26/08/2022 20:00	1.7	281	16	2.4	0.00
26/08/2022 20:10	1.6	319	16	2.2	0.00
26/08/2022 20:20	1.7	308	27	2.8	0.00
26/08/2022 20:30	0.8	269	43	1.9	0.00
26/08/2022 20:40	0.9	239	24	1.8	0.00
26/08/2022 20:50	1.2	269	20	1.7	0.00
26/08/2022 21:00	0.5	135	26	1.2	0.00
26/08/2022 21:10	0.4	290	28	1.1	0.00
26/08/2022 21:20	0.3	195	41	0.8	0.00
26/08/2022 21:30	0.5	208	29	0.9	0.00
26/08/2022 21:40	1.3	241	16	1.7	0.00
26/08/2022 21:50	0.7	199	48	1.4	0.00
26/08/2022 22:00	0.1	208	11	0.8	0.00
26/08/2022 22:10	1.4	233	10	2.0	0.00
26/08/2022 22:20	1.1	232	9	1.5	0.00
26/08/2022 22:30	0.9	226	11	1.2	0.00
26/08/2022 22:40	0.3	249	8	1.1	0.00
26/08/2022 22:50					0.00
26/08/2022 23:00					0.00
26/08/2022 23:10	0.1	276	2	0.5	0.00
26/08/2022 23:20	0.0	280	1	0.5	0.00
26/08/2022 23:30					0.00
26/08/2022 23:40	0.5	222	10	0.9	0.00
26/08/2022 23:50	1.0	229	6	1.2	0.00
27/08/2022 00:00	0.2	233	5	0.9	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/08/2022 00:10	0.7	251	5	1.2	0.00
27/08/2022 00:20	0.5	233	6	1.0	0.00
27/08/2022 00:30	0.5	316	17	1.0	0.00
27/08/2022 00:40	0.5	286	12	0.9	0.00
27/08/2022 00:50					0.00
27/08/2022 01:00	0.8	272	9	1.2	0.00
27/08/2022 01:10	1.2	256	7	1.4	0.00
27/08/2022 01:20	0.9	255	8	1.3	0.00
27/08/2022 01:30	0.0	254	1	0.6	0.00
27/08/2022 01:40	0.4	240	3	0.9	0.00
27/08/2022 01:50	1.7	247	8	2.1	0.00
27/08/2022 02:00	1.9	246	9	2.5	0.00
27/08/2022 02:10	2.1	250	8	2.8	0.00
27/08/2022 02:20	1.4	246	9	1.8	0.00
27/08/2022 02:30	1.8	254	7	2.3	0.00
27/08/2022 02:40	2.3	257	7	2.9	0.00
27/08/2022 02:50	2.2	248	10	3.0	0.00
27/08/2022 03:00	1.8	249	10	2.5	0.00
27/08/2022 03:10	1.8	252	10	2.5	0.00
27/08/2022 03:20	1.8	257	10	2.3	0.00
27/08/2022 03:30	1.4	261	9	1.7	0.00
27/08/2022 03:40	1.2	270	8	1.4	0.00
27/08/2022 03:50	1.0	267	7	1.2	0.00
27/08/2022 04:00	1.3	268	7	1.6	0.00
27/08/2022 04:10	1.1	278	9	1.3	0.00
27/08/2022 04:20	0.9	263	9	1.1	0.00
27/08/2022 04:30	0.9	269	7	1.2	0.00
27/08/2022 04:40	0.6	278	5	1.0	0.00
27/08/2022 04:50					0.00
27/08/2022 05:00					0.00
27/08/2022 05:10	0.6	10	6	0.9	0.00
27/08/2022 05:20	0.5	314	8	0.9	0.00
27/08/2022 05:30	0.9	309	7	1.3	0.00
27/08/2022 05:40	0.9	301	5	1.2	0.00
27/08/2022 05:50	0.5	170	17	1.0	0.00
27/08/2022 06:00	0.6	318	12	0.9	0.00
27/08/2022 06:10	1.0	304	4	1.2	0.00
27/08/2022 06:20	0.5	184	22	1.0	0.00
27/08/2022 06:30					0.00
27/08/2022 06:40					0.00
27/08/2022 06:50	0.4	95	15	1.4	0.00
27/08/2022 07:00	0.5	101	10	1.2	0.00
27/08/2022 07:10	0.3	52	25	0.8	0.00
27/08/2022 07:20	0.9	62	13	1.2	0.00
27/08/2022 07:30	1.0	56	19	1.4	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/08/2022 07:40	0.7	51	23	1.2	0.00
27/08/2022 07:50	0.8	105	23	1.4	0.00
27/08/2022 08:00	0.8	112	23	1.3	0.00
27/08/2022 08:10	1.4	100	15	2.0	0.00
27/08/2022 08:20	1.7	89	13	2.2	0.00
27/08/2022 08:30	2.0	88	13	2.6	0.00
27/08/2022 08:40	1.9	110	13	2.5	0.00
27/08/2022 08:50	2.0	116	19	2.9	0.00
27/08/2022 09:00	2.0	106	21	3.1	0.00
27/08/2022 09:10	2.3	86	17	3.3	0.00
27/08/2022 09:20	2.6	90	13	3.5	0.00
27/08/2022 09:30	2.4	87	13	3.2	0.00
27/08/2022 09:40	2.2	92	17	3.3	0.00
27/08/2022 09:50	2.0	89	16	2.9	0.00
27/08/2022 10:00	1.8	97	24	2.6	0.00
27/08/2022 10:10	2.0	82	19	3.2	0.00
27/08/2022 10:20	1.9	99	26	3.2	0.00
27/08/2022 10:30	1.6	83	35	2.8	0.00
27/08/2022 10:40	1.4	111	45	2.8	0.00
27/08/2022 10:50	1.4	207	59	3.5	0.00
27/08/2022 11:00	1.8	299	21	2.8	0.00
27/08/2022 11:10	3.0	295	11	3.8	0.00
27/08/2022 11:20	2.5	302	16	3.5	0.00
27/08/2022 11:30	1.8	289	31	3.0	0.00
27/08/2022 11:40	2.2	289	26	3.6	0.00
27/08/2022 11:50	2.9	293	15	4.2	0.00
27/08/2022 12:00	2.8	296	14	4.5	0.00
27/08/2022 12:10	3.1	297	10	4.2	0.00
27/08/2022 12:20	3.0	296	12	4.0	0.00
27/08/2022 12:30	2.9	299	14	4.6	0.00
27/08/2022 12:40	3.4	296	11	4.6	0.00
27/08/2022 12:50	3.2	296	16	4.4	0.00
27/08/2022 13:00	3.2	301	22	4.5	0.00
27/08/2022 13:10	3.0	302	19	4.6	0.00
27/08/2022 13:20	2.6	314	22	4.0	0.00
27/08/2022 13:30	2.7	318	25	4.8	0.00
27/08/2022 13:40	2.8	305	25	4.2	0.00
27/08/2022 13:50	2.5	335	19	3.4	0.00
27/08/2022 14:00	2.9	347	20	4.3	0.00
27/08/2022 14:10	3.3	358	20	5.0	0.00
27/08/2022 14:20	3.3	352	23	4.9	0.00
27/08/2022 14:30	3.5	359	23	5.4	0.00
27/08/2022 14:40	3.6	179	20	5.2	0.00
27/08/2022 14:50	3.4	179	17	5.1	0.00
27/08/2022 15:00	4.1	354	16	6.0	0.00





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/08/2022 15:10	3.9	181	20	5.6	0.00
27/08/2022 15:20	4.1	6	14	5.8	0.00
27/08/2022 15:30	4.3	6	17	6.0	0.00
27/08/2022 15:40	4.4	343	19	5.9	0.00
27/08/2022 15:50	3.3	332	22	5.2	0.00
27/08/2022 16:00	3.7	326	21	5.6	0.00
27/08/2022 16:10	3.7	347	22	5.4	0.00
27/08/2022 16:20	3.6	334	25	5.3	0.00
27/08/2022 16:30	3.2	328	26	5.3	0.00
27/08/2022 16:40	3.1	333	26	5.6	0.00
27/08/2022 16:50	3.5	339	20	5.3	0.00
27/08/2022 17:00	2.8	334	21	4.6	0.00
27/08/2022 17:10	3.3	319	18	5.2	0.00
27/08/2022 17:20	3.5	321	19	5.4	0.00
27/08/2022 17:30	3.6	317	18	5.5	0.00
27/08/2022 17:40	3.7	309	13	5.2	0.00
27/08/2022 17:50	4.5	298	12	5.9	0.00
27/08/2022 18:00	4.7	296	12	6.4	0.00
27/08/2022 18:10	4.5	292	13	6.1	0.00
27/08/2022 18:20	4.3	293	12	6.0	0.00
27/08/2022 18:30	4.1	291	13	5.4	0.00
27/08/2022 18:40	3.4	274	14	5.1	0.00
27/08/2022 18:50	3.4	283	15	4.8	0.00
27/08/2022 19:00	3.6	282	15	4.7	0.00
27/08/2022 19:10	3.3	280	15	4.8	0.00
27/08/2022 19:20	3.0	274	16	4.0	0.00
27/08/2022 19:30	3.5	268	14	5.0	0.00
27/08/2022 19:40	3.5	265	12	4.9	0.00
27/08/2022 19:50	3.2	282	15	4.6	0.00
27/08/2022 20:00	3.2	294	13	4.6	0.00
27/08/2022 20:10	3.0	289	14	4.4	0.00
27/08/2022 20:20	3.2	285	13	4.7	0.00
27/08/2022 20:30	3.2	293	12	4.5	0.00
27/08/2022 20:40	2.6	289	14	3.8	0.00
27/08/2022 20:50	2.5	282	13	3.6	0.00
27/08/2022 21:00	2.8	286	15	4.2	0.00
27/08/2022 21:10	2.7	287	14	3.6	0.00
27/08/2022 21:20	2.5	286	13	3.6	0.00
27/08/2022 21:30	2.5	290	14	3.6	0.00
27/08/2022 21:40	3.0	301	11	4.5	0.00
27/08/2022 21:50	3.1	298	11	3.9	0.00
27/08/2022 22:00	3.3	299	10	4.6	0.00
27/08/2022 22:10	2.7	299	11	3.6	0.00
27/08/2022 22:20	2.8	299	11	3.9	0.00
27/08/2022 22:30	2.5	291	15	3.6	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/08/2022 22:40	3.1	293	12	4.1	0.00
27/08/2022 22:50	3.1	296	12	4.3	0.00
27/08/2022 23:00	3.3	300	12	4.1	0.00
27/08/2022 23:10	2.5	283	16	3.8	0.00
27/08/2022 23:20	2.8	274	14	4.0	0.00
27/08/2022 23:30	3.0	268	12	4.0	0.00
27/08/2022 23:40	3.0	268	12	3.9	0.00
27/08/2022 23:50	3.2	265	9	4.4	0.00
28/08/2022 00:00	3.5	263	8	5.0	0.00
28/08/2022 00:10	3.8	264	8	4.8	0.00
28/08/2022 00:20	3.4	263	9	4.4	0.00
28/08/2022 00:30	3.0	259	9	3.8	0.00
28/08/2022 00:40	2.8	256	9	3.6	0.00
28/08/2022 00:50	1.9	249	10	2.8	0.00
28/08/2022 01:00	2.2	253	10	3.1	0.00
28/08/2022 01:10	2.2	258	9	3.1	0.00
28/08/2022 01:20	2.5	258	9	3.2	0.00
28/08/2022 01:30	2.6	255	10	3.5	0.00
28/08/2022 01:40	1.7	248	11	2.6	0.00
28/08/2022 01:50	1.7	250	12	2.5	0.00
28/08/2022 02:00	2.0	249	12	2.8	0.00
28/08/2022 02:10	1.8	245	14	2.5	0.00
28/08/2022 02:20	0.7	224	31	1.4	0.00
28/08/2022 02:30	0.4	243	6	1.2	0.00
28/08/2022 02:40	2.3	257	10	3.2	0.00
28/08/2022 02:50	2.6	251	11	3.2	0.00
28/08/2022 03:00	2.8	246	10	3.8	0.00
28/08/2022 03:10	2.6	247	11	3.5	0.00
28/08/2022 03:20	1.9	245	12	2.9	0.00
28/08/2022 03:30	0.4	243	12	1.7	0.00
28/08/2022 03:40					0.00
28/08/2022 03:50	0.6	96	18	1.3	0.00
28/08/2022 04:00	1.9	251	19	3.2	0.00
28/08/2022 04:10	2.4	247	11	3.2	0.00
28/08/2022 04:20	2.1	254	8	2.7	0.00
28/08/2022 04:30	2.6	262	8	3.2	0.00
28/08/2022 04:40	2.8	260	10	3.6	0.00
28/08/2022 04:50	2.4	265	11	3.2	0.00
28/08/2022 05:00	2.9	271	11	3.7	0.00
28/08/2022 05:10	2.9	267	9	3.5	0.00
28/08/2022 05:20	2.9	261	12	4.1	0.00
28/08/2022 05:30	2.7	269	10	3.9	0.00
28/08/2022 05:40	2.4	273	12	3.2	0.00
28/08/2022 05:50	2.3	282	13	2.9	0.00
28/08/2022 06:00	2.0	280	13	2.6	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/08/2022 06:10	0.8	299	54	1.2	0.00
28/08/2022 06:20	1.2	231	51	2.4	0.00
28/08/2022 06:30	1.9	225	43	3.4	0.00
28/08/2022 06:40	1.9	226	40	3.0	0.00
28/08/2022 06:50	1.7	233	56	3.1	0.00
28/08/2022 07:00	2.2	221	51	4.2	0.00
28/08/2022 07:10	2.4	224	57	4.1	0.00
28/08/2022 07:20	2.1	293	86	3.8	0.00
28/08/2022 07:30	1.9	304	92	3.4	0.00
28/08/2022 07:40	1.8	43	80	2.8	0.00
28/08/2022 07:50	1.9	114	79	2.9	0.00
28/08/2022 08:00	2.2	139	45	4.3	0.00
28/08/2022 08:10	2.9	140	21	4.6	0.00
28/08/2022 08:20	2.5	141	37	4.0	0.00
28/08/2022 08:30	2.5	139	24	3.6	0.00
28/08/2022 08:40	2.6	138	33	4.3	0.00
28/08/2022 08:50	2.8	139	30	4.4	0.00
28/08/2022 09:00	3.0	137	22	4.6	0.00
28/08/2022 09:10	2.9	124	19	4.4	0.00
28/08/2022 09:20	3.2	129	19	4.6	0.00
28/08/2022 09:30	3.3	117	15	4.8	0.00
28/08/2022 09:40	3.9	111	12	5.7	0.00
28/08/2022 09:50	3.7	122	17	5.6	0.00
28/08/2022 10:00	3.8	128	18	5.8	0.00
28/08/2022 10:10	4.5	131	15	6.0	0.00
28/08/2022 10:20	3.8	128	17	5.7	0.00
28/08/2022 10:30	4.0	129	15	5.7	0.00
28/08/2022 10:40	3.8	120	19	5.6	0.00
28/08/2022 10:50	3.3	121	21	5.4	0.00
28/08/2022 11:00	3.2	122	22	4.8	0.00
28/08/2022 11:10	3.2	115	18	4.9	0.00
28/08/2022 11:20	3.5	95	15	5.0	0.00
28/08/2022 11:30	3.4	91	16	4.8	0.00
28/08/2022 11:40	3.1	94	17	4.4	0.00
28/08/2022 11:50	3.7	90	14	5.2	0.00
28/08/2022 12:00	2.9	87	20	4.8	0.00
28/08/2022 12:10	3.1	81	15	4.8	0.00
28/08/2022 12:20	2.6	89	17	4.1	0.00
28/08/2022 12:30	2.1	75	40	3.3	0.00
28/08/2022 12:40	1.7	148	65	3.3	0.00
28/08/2022 12:50	2.3	84	24	3.6	0.00
28/08/2022 13:00	2.1	102	31	3.5	0.00
28/08/2022 13:10	2.0	76	31	3.2	0.00
28/08/2022 13:20	2.5	351	35	4.7	0.00
28/08/2022 13:30	3.4	172	18	4.8	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/08/2022 13:40	2.8	353	21	4.3	0.00
28/08/2022 13:50	2.7	344	24	3.9	0.00
28/08/2022 14:00	2.6	336	23	3.9	0.00
28/08/2022 14:10	2.8	342	26	4.3	0.00
28/08/2022 14:20	2.7	347	22	4.3	0.00
28/08/2022 14:30	4.0	304	17	5.8	0.00
28/08/2022 14:40	3.8	309	16	5.8	0.00
28/08/2022 14:50	3.6	315	22	5.6	0.00
28/08/2022 15:00	4.8	302	12	6.7	0.00
28/08/2022 15:10	4.9	301	11	6.2	0.00
28/08/2022 15:20	4.4	304	13	6.0	0.00
28/08/2022 15:30	4.8	304	11	6.2	0.00
28/08/2022 15:40	4.8	300	11	6.4	0.00
28/08/2022 15:50	4.7	298	10	6.1	0.00
28/08/2022 16:00	4.9	293	13	6.7	0.00
28/08/2022 16:10	4.9	295	13	6.3	0.00
28/08/2022 16:20	5.1	295	9	6.6	0.00
28/08/2022 16:30	4.7	287	14	6.3	0.00
28/08/2022 16:40	4.3	281	14	5.9	0.00
28/08/2022 16:50	4.4	284	13	6.0	0.00
28/08/2022 17:00	4.0	290	13	5.6	0.00
28/08/2022 17:10	4.2	295	11	5.8	0.00
28/08/2022 17:20	4.1	299	12	5.6	0.00
28/08/2022 17:30	3.7	300	13	4.8	0.00
28/08/2022 17:40	3.4	293	16	4.6	0.00
28/08/2022 17:50	3.9	294	12	5.4	0.00
28/08/2022 18:00	3.7	285	15	4.9	0.00
28/08/2022 18:10	3.5	288	15	4.7	0.00
28/08/2022 18:20	4.1	296	11	5.5	0.00
28/08/2022 18:30	3.3	291	14	4.6	0.00
28/08/2022 18:40	3.6	293	14	5.0	0.00
28/08/2022 18:50	3.5	292	11	4.5	0.00
28/08/2022 19:00	3.1	287	14	4.5	0.00
28/08/2022 19:10	2.8	283	16	4.0	0.00
28/08/2022 19:20	2.7	291	16	4.0	0.00
28/08/2022 19:30	3.4	297	11	4.4	0.00
28/08/2022 19:40	3.1	293	11	4.1	0.00
28/08/2022 19:50	3.0	293	13	4.2	0.00
28/08/2022 20:00	2.8	288	13	3.8	0.00
28/08/2022 20:10	2.6	288	14	4.0	0.00
28/08/2022 20:20	2.5	279	12	3.5	0.00
28/08/2022 20:30	2.3	276	14	3.3	0.00
28/08/2022 20:40	2.5	272	15	3.8	0.00
28/08/2022 20:50	2.5	275	14	3.4	0.00
28/08/2022 21:00	2.8	294	13	3.9	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/08/2022 21:10	2.0	292	16	3.3	0.00
28/08/2022 21:20	1.9	285	16	2.9	0.00
28/08/2022 21:30	2.7	297	11	3.7	0.00
28/08/2022 21:40	2.6	287	15	3.7	0.00
28/08/2022 21:50	2.1	275	16	3.0	0.00
28/08/2022 22:00	2.3	281	15	3.5	0.00
28/08/2022 22:10	2.3	268	13	2.8	0.00
28/08/2022 22:20	2.4	279	15	3.5	0.00
28/08/2022 22:30	2.6	289	13	3.9	0.00
28/08/2022 22:40	2.3	286	13	3.1	0.00
28/08/2022 22:50	2.4	278	16	3.5	0.00
28/08/2022 23:00	2.7	293	13	3.6	0.00
28/08/2022 23:10	2.6	286	14	3.5	0.00
28/08/2022 23:20	2.5	258	13	3.3	0.00
28/08/2022 23:30	1.0	253	28	1.4	0.00
28/08/2022 23:40	1.1	240	33	1.5	0.00
28/08/2022 23:50	1.0	222	10	1.6	0.00
29/08/2022 00:00	0.2	102	1	0.8	0.00
29/08/2022 00:10	0.3	267	6	1.2	0.00
29/08/2022 00:20	0.9	253	49	1.6	0.00
29/08/2022 00:30	1.0	54	18	1.3	0.00
29/08/2022 00:40	0.3	140	20	1.5	0.00
29/08/2022 00:50	1.0	125	48	1.8	0.00
29/08/2022 01:00	1.3	127	26	2.0	0.00
29/08/2022 01:10	1.5	125	28	2.4	0.00
29/08/2022 01:20	1.4	88	36	2.7	0.00
29/08/2022 01:30	1.6	86	22	2.6	0.00
29/08/2022 01:40	1.3	114	35	2.4	0.00
29/08/2022 01:50	1.8	63	21	2.6	0.00
29/08/2022 02:00	1.9	105	15	3.1	0.00
29/08/2022 02:10	1.3	146	20	2.0	0.00
29/08/2022 02:20	2.3	101	16	3.4	0.00
29/08/2022 02:30	3.2	121	16	4.8	0.00
29/08/2022 02:40	2.7	125	13	3.9	0.00
29/08/2022 02:50	2.8	115	12	3.8	0.00
29/08/2022 03:00	2.4	116	9	3.2	0.00
29/08/2022 03:10	2.2	103	12	3.2	0.00
29/08/2022 03:20	2.8	82	10	3.5	0.00
29/08/2022 03:30	2.7	99	10	3.5	0.00
29/08/2022 03:40	2.5	94	13	3.6	0.00
29/08/2022 03:50	2.8	92	12	3.9	0.00
29/08/2022 04:00	2.9	86	10	4.0	0.00
29/08/2022 04:10	2.9	98	8	3.9	0.00
29/08/2022 04:20	2.9	83	11	3.8	0.00
29/08/2022 04:30	3.2	85	9	4.5	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/08/2022 04:40	3.2	83	9	4.1	0.00
29/08/2022 04:50	3.1	93	10	4.0	0.00
29/08/2022 05:00	3.2	79	9	4.3	0.00
29/08/2022 05:10	3.2	90	10	4.2	0.00
29/08/2022 05:20	3.1	86	10	4.2	0.00
29/08/2022 05:30	3.3	88	9	4.4	0.00
29/08/2022 05:40	3.8	93	10	4.9	0.00
29/08/2022 05:50	3.3	96	9	4.6	0.00
29/08/2022 06:00	3.0	92	9	4.0	0.00
29/08/2022 06:10	2.9	81	10	3.8	0.00
29/08/2022 06:20	3.1	87	9	4.2	0.00
29/08/2022 06:30	3.4	92	11	4.5	0.00
29/08/2022 06:40	4.2	95	11	6.0	0.00
29/08/2022 06:50	4.3	98	11	5.8	0.00
29/08/2022 07:00	5.2	102	10	6.6	0.00
29/08/2022 07:10	5.1	102	12	7.1	0.00
29/08/2022 07:20	5.2	98	11	7.0	0.00
29/08/2022 07:30	6.2	101	11	8.6	0.00
29/08/2022 07:40	5.9	106	10	7.9	0.00
29/08/2022 07:50	6.1	103	11	9.1	0.00
29/08/2022 08:00	6.4	105	10	8.3	0.00
29/08/2022 08:10	6.3	104	12	8.8	0.00
29/08/2022 08:20	7.4	104	11	9.8	0.00
29/08/2022 08:30	7.0	106	12	9.4	0.00
29/08/2022 08:40	6.6	102	11	8.7	0.00
29/08/2022 08:50	7.0	104	10	9.8	0.00
29/08/2022 09:00	6.9	105	10	9.5	0.00
29/08/2022 09:10	6.1	106	12	8.4	0.00
29/08/2022 09:20	6.5	105	11	8.8	0.00
29/08/2022 09:30	6.6	100	13	8.7	0.00
29/08/2022 09:40	7.2	93	12	10.3	0.00
29/08/2022 09:50	6.2	97	14	9.0	0.00
29/08/2022 10:00	6.3	98	10	8.7	0.00
29/08/2022 10:10	6.4	88	13	9.0	0.00
29/08/2022 10:20	7.1	80	11	9.2	0.00
29/08/2022 10:30	6.9	89	11	8.7	0.00
29/08/2022 10:40	5.6	85	11	8.1	0.00
29/08/2022 10:50	6.1	75	10	8.0	0.00
29/08/2022 11:00	5.7	82	12	8.3	0.00
29/08/2022 11:10	6.1	86	12	7.9	0.00
29/08/2022 11:20	6.2	81	12	7.9	0.00
29/08/2022 11:30	6.2	77	11	8.0	0.00
29/08/2022 11:40	7.2	72	9	9.5	0.00
29/08/2022 11:50	6.7	74	10	9.0	0.00
29/08/2022 12:00	6.7	75	12	9.5	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/08/2022 12:10	6.9	78	9	9.7	0.00
29/08/2022 12:20	6.7	73	10	9.4	0.00
29/08/2022 12:30	6.7	74	11	8.5	0.00
29/08/2022 12:40	6.3	74	9	8.5	0.00
29/08/2022 12:50	6.4	74	13	8.1	0.00
29/08/2022 13:00	6.2	71	11	8.1	0.00
29/08/2022 13:10	6.4	76	12	8.4	0.00
29/08/2022 13:20	5.6	77	15	8.0	0.00
29/08/2022 13:30	6.5	76	11	8.7	0.00
29/08/2022 13:40	5.5	74	12	7.2	0.00
29/08/2022 13:50	5.7	72	12	7.8	0.00
29/08/2022 14:00	5.3	78	12	7.5	0.00
29/08/2022 14:10	5.5	74	10	8.0	0.00
29/08/2022 14:20	5.2	75	11	7.4	0.00
29/08/2022 14:30	5.5	78	12	7.1	0.00
29/08/2022 14:40	5.1	80	12	7.2	0.00
29/08/2022 14:50	5.5	77	10	7.9	0.00
29/08/2022 15:00	5.3	76	12	7.4	0.00
29/08/2022 15:10	4.8	73	12	7.1	0.00
29/08/2022 15:20	5.4	73	12	7.9	0.00
29/08/2022 15:30	5.2	67	11	7.1	0.00
29/08/2022 15:40	4.6	64	12	6.0	0.00
29/08/2022 15:50	4.5	66	13	5.8	0.00
29/08/2022 16:00	4.8	59	12	6.4	0.00
29/08/2022 16:10	4.7	61	12	7.2	0.00
29/08/2022 16:20	4.4	61	11	6.4	0.00
29/08/2022 16:30	4.4	68	12	6.1	0.00
29/08/2022 16:40	4.5	68	13	6.4	0.00
29/08/2022 16:50	3.8	63	13	5.0	0.00
29/08/2022 17:00	3.3	48	13	4.4	0.00
29/08/2022 17:10	3.4	42	11	4.3	0.00
29/08/2022 17:20	3.3	42	12	4.4	0.00
29/08/2022 17:30	3.1	42	13	4.3	0.00
29/08/2022 17:40	2.2	15	17	3.9	0.00
29/08/2022 17:50	2.1	23	14	2.9	0.00
29/08/2022 18:00	1.9	35	15	2.8	0.00
29/08/2022 18:10	2.5	48	11	3.2	0.00
29/08/2022 18:20	3.1	53	10	3.9	0.00
29/08/2022 18:30	2.9	47	9	3.9	0.00
29/08/2022 18:40	2.5	48	11	3.4	0.00
29/08/2022 18:50	2.6	48	9	3.3	0.00
29/08/2022 19:00	1.5	36	14	2.0	0.00
29/08/2022 19:10	0.6	145	21	1.2	0.00
29/08/2022 19:20	0.9	235	22	1.5	0.00
29/08/2022 19:30	1.2	265	13	1.8	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/08/2022 19:40	1.2	325	25	1.6	0.00
29/08/2022 19:50	0.8	73	34	1.2	0.00
29/08/2022 20:00	0.4	317	13	1.0	0.00
29/08/2022 20:10	0.4	66	5	0.8	0.00
29/08/2022 20:20	0.5	355	34	1.2	0.00
29/08/2022 20:30	1.2	187	19	1.7	0.00
29/08/2022 20:40	1.1	290	24	1.6	0.00
29/08/2022 20:50	0.7	200	39	1.1	0.00
29/08/2022 21:00	0.5	267	27	1.1	0.00
29/08/2022 21:10	0.8	255	15	1.2	0.00
29/08/2022 21:20	0.5	286	6	0.9	0.00
29/08/2022 21:30	0.4	192	9	0.9	0.00
29/08/2022 21:40					0.00
29/08/2022 21:50	0.9	274	18	1.2	0.00
29/08/2022 22:00	0.7	253	17	1.2	0.00
29/08/2022 22:10	1.0	252	15	1.4	0.00
29/08/2022 22:20	1.9	226	13	2.6	0.00
29/08/2022 22:30	2.5	237	11	3.2	0.00
29/08/2022 22:40	2.1	239	11	2.8	0.00
29/08/2022 22:50	2.5	241	11	3.3	0.00
29/08/2022 23:00	2.9	239	11	3.6	0.00
29/08/2022 23:10	2.1	236	12	3.2	0.00
29/08/2022 23:20	2.3	237	11	2.9	0.00
29/08/2022 23:30	2.6	244	11	3.6	0.00
29/08/2022 23:40	2.1	236	12	2.9	0.00
29/08/2022 23:50	2.0	240	11	2.8	0.00
30/08/2022 00:00	1.5	228	15	2.0	0.00
30/08/2022 00:10	1.8	232	14	2.6	0.00
30/08/2022 00:20	2.1	237	11	3.1	0.00
30/08/2022 00:30	2.2	244	14	3.4	0.00
30/08/2022 00:40	2.3	253	11	3.6	0.00
30/08/2022 00:50	1.8	243	14	2.5	0.00
30/08/2022 01:00	1.4	250	15	2.0	0.00
30/08/2022 01:10	1.8	236	12	2.4	0.00
30/08/2022 01:20	2.0	231	14	2.8	0.00
30/08/2022 01:30	2.2	238	13	2.9	0.00
30/08/2022 01:40	2.3	250	10	2.9	0.00
30/08/2022 01:50	2.7	250	11	3.7	0.00
30/08/2022 02:00	2.2	244	12	3.6	0.00
30/08/2022 02:10	1.2	272	15	2.0	0.00
30/08/2022 02:20	1.1	301	21	1.4	0.00
30/08/2022 02:30	1.2	282	15	1.6	0.00
30/08/2022 02:40	1.4	257	16	1.8	0.00
30/08/2022 02:50	1.7	267	12	2.1	0.00
30/08/2022 03:00	1.8	245	10	2.4	0.00





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/08/2022 03:10	1.3	245	13	1.9	0.00
30/08/2022 03:20	0.7	190	51	1.4	0.00
30/08/2022 03:30	1.8	271	10	2.3	0.00
30/08/2022 03:40	0.4	176	7	1.0	0.00
30/08/2022 03:50	0.1	280	19	0.8	0.00
30/08/2022 04:00	1.0	239	28	2.2	0.00
30/08/2022 04:10	0.7	232	55	1.6	0.00
30/08/2022 04:20	0.6	231	23	1.6	0.00
30/08/2022 04:30	1.1	295	10	1.6	0.00
30/08/2022 04:40	1.3	290	9	1.6	0.00
30/08/2022 04:50	0.9	14	28	1.2	0.00
30/08/2022 05:00	1.1	307	10	1.5	0.00
30/08/2022 05:10	0.6	277	6	1.0	0.00
30/08/2022 05:20	0.4	120	44	1.0	0.00
30/08/2022 05:30	0.8	60	26	1.3	0.00
30/08/2022 05:40	0.2	58	19	0.8	0.00
30/08/2022 05:50	0.8	103	12	1.3	0.00
30/08/2022 06:00	1.1	121	18	1.5	0.00
30/08/2022 06:10	0.6	113	19	1.2	0.00
30/08/2022 06:20	1.0	117	28	1.6	0.00
30/08/2022 06:30	1.1	107	9	1.6	0.00
30/08/2022 06:40	1.7	94	7	2.4	0.00
30/08/2022 06:50	1.8	93	11	2.3	0.00
30/08/2022 07:00	1.5	93	13	2.2	0.00
30/08/2022 07:10	1.7	79	14	2.3	0.00
30/08/2022 07:20	1.8	72	9	2.2	0.00
30/08/2022 07:30	1.9	76	8	2.7	0.00
30/08/2022 07:40	1.8	85	10	2.3	0.00
30/08/2022 07:50	2.0	84	9	2.7	0.00
30/08/2022 08:00	2.6	80	10	3.4	0.00
30/08/2022 08:10	2.7	80	9	3.6	0.00
30/08/2022 08:20	2.7	83	11	3.8	0.00
30/08/2022 08:30	3.0	87	12	4.1	0.00
30/08/2022 08:40	3.2	85	11	4.4	0.00
30/08/2022 08:50	3.5	101	13	4.4	0.00
30/08/2022 09:00	3.6	102	10	4.8	0.00
30/08/2022 09:10	3.3	96	14	4.5	0.00
30/08/2022 09:20	4.5	96	13	6.0	0.00
30/08/2022 09:30	4.7	95	14	6.4	0.00
30/08/2022 09:40	5.1	100	11	6.8	0.00
30/08/2022 09:50	4.7	96	12	6.5	0.00
30/08/2022 10:00	5.1	94	11	6.8	0.00
30/08/2022 10:10	5.8	85	10	7.9	0.00
30/08/2022 10:20	5.9	85	11	8.2	0.00
30/08/2022 10:30	6.1	87	10	8.2	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/08/2022 10:40	5.3	82	10	7.1	0.00
30/08/2022 10:50	5.2	85	11	7.0	0.00
30/08/2022 11:00	5.7	91	11	7.2	0.00
30/08/2022 11:10	6.1	87	13	9.1	0.00
30/08/2022 11:20	6.5	82	13	8.9	0.00
30/08/2022 11:30	6.5	80	12	8.7	0.00
30/08/2022 11:40	6.4	76	12	8.3	0.00
30/08/2022 11:50	6.1	77	11	8.3	0.00
30/08/2022 12:00	6.3	76	9	7.9	0.00
30/08/2022 12:10	5.6	73	12	7.4	0.00
30/08/2022 12:20	5.4	76	12	7.2	0.00
30/08/2022 12:30	5.1	83	12	6.6	0.00
30/08/2022 12:40	4.6	83	12	6.8	0.00
30/08/2022 12:50	5.3	83	13	6.8	0.00
30/08/2022 13:00	4.8	78	12	6.8	0.00
30/08/2022 13:10	4.1	79	13	5.3	0.00
30/08/2022 13:20	4.6	82	13	6.4	0.00
30/08/2022 13:30	4.5	79	12	5.8	0.00
30/08/2022 13:40	4.3	78	13	5.9	0.00
30/08/2022 13:50	3.9	78	12	5.9	0.00
30/08/2022 14:00	4.4	79	12	6.4	0.00
30/08/2022 14:10	4.0	81	12	5.2	0.00
30/08/2022 14:20	4.4	87	12	5.6	0.00
30/08/2022 14:30	4.4	85	14	6.0	0.10
30/08/2022 14:40	3.8	82	14	5.3	0.00
30/08/2022 14:50	4.0	78	13	5.8	0.00
30/08/2022 15:00	4.2	78	13	6.0	0.00
30/08/2022 15:10	4.1	84	14	6.0	0.00
30/08/2022 15:20	3.7	91	13	4.8	0.00
30/08/2022 15:30	4.0	83	13	6.0	0.00
30/08/2022 15:40	3.8	70	15	5.5	0.00
30/08/2022 15:50	4.0	73	14	5.7	0.00
30/08/2022 16:00	3.9	78	12	6.0	0.00
30/08/2022 16:10	3.7	67	13	5.2	0.00
30/08/2022 16:20	3.5	63	13	4.8	0.00
30/08/2022 16:30	3.2	72	13	4.5	0.00
30/08/2022 16:40	3.5	78	12	5.0	0.00
30/08/2022 16:50	3.3	70	12	4.8	0.00
30/08/2022 17:00	3.6	65	10	5.3	0.00
30/08/2022 17:10	3.2	69	12	4.2	0.00
30/08/2022 17:20	3.1	69	12	4.3	0.00
30/08/2022 17:30	3.0	65	10	4.0	0.00
30/08/2022 17:40	3.3	69	11	4.4	0.00
30/08/2022 17:50	3.2	70	10	4.1	0.00
30/08/2022 18:00	2.9	70	10	3.8	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/08/2022 18:10	2.6	71	9	3.5	0.00
30/08/2022 18:20	2.3	74	9	3.1	0.00
30/08/2022 18:30	2.4	78	9	3.2	0.00
30/08/2022 18:40	2.1	70	8	2.5	0.00
30/08/2022 18:50	1.6	61	13	2.4	0.00
30/08/2022 19:00	1.3	65	8	1.7	0.00
30/08/2022 19:10	1.1	61	12	1.6	0.00
30/08/2022 19:20	1.1	67	7	1.4	0.00
30/08/2022 19:30	1.0	53	9	1.2	0.00
30/08/2022 19:40	0.7	48	21	1.3	0.00
30/08/2022 19:50	0.4	58	22	0.8	0.00
30/08/2022 20:00	0.6	36	37	1.0	0.00
30/08/2022 20:10	0.6	302	42	2.0	0.00
30/08/2022 20:20	1.0	173	33	1.6	0.00
30/08/2022 20:30	0.7	175	50	1.2	0.00
30/08/2022 20:40	0.5	320	37	0.8	0.00
30/08/2022 20:50	0.6	200	31	0.9	0.00
30/08/2022 21:00	1.0	253	32	1.3	0.00
30/08/2022 21:10	1.9	251	19	2.7	0.00
30/08/2022 21:20	0.7	201	43	1.6	0.00
30/08/2022 21:30	1.0	224	22	1.5	0.00
30/08/2022 21:40	1.5	234	13	2.2	0.00
30/08/2022 21:50	1.5	253	9	1.9	0.00
30/08/2022 22:00	1.4	269	12	1.9	0.00
30/08/2022 22:10	0.9	225	20	1.6	0.00
30/08/2022 22:20	2.4	237	11	3.2	0.00
30/08/2022 22:30	2.1	239	10	2.8	0.00
30/08/2022 22:40	1.8	237	12	2.2	0.00
30/08/2022 22:50	1.6	242	10	2.2	0.00
30/08/2022 23:00	1.1	237	12	1.8	0.00
30/08/2022 23:10	0.4	197	13	0.9	0.00
30/08/2022 23:20	0.3	38	11	0.7	0.00
30/08/2022 23:30	0.9	256	11	1.6	0.00
30/08/2022 23:40	0.7	240	8	1.2	0.00
30/08/2022 23:50	0.7	262	11	0.9	0.00
31/08/2022 00:00	0.5	231	7	0.8	0.00
31/08/2022 00:10	0.6	227	11	1.1	0.00
31/08/2022 00:20	1.4	251	7	1.7	0.00
31/08/2022 00:30	0.9	260	12	1.3	0.00
31/08/2022 00:40	0.5	320	29	0.9	0.00
31/08/2022 00:50	0.7	314	27	1.0	0.00
31/08/2022 01:00	0.2	224	4	0.8	0.00
31/08/2022 01:10	0.5	265	4	0.9	0.00
31/08/2022 01:20	0.3	247	5	0.9	0.00
31/08/2022 01:30	0.2	220	4	0.8	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/08/2022 01:40	0.5	210	8	1.1	0.00
31/08/2022 01:50	0.7	260	8	1.4	0.00
31/08/2022 02:00	1.4	259	11	2.0	0.00
31/08/2022 02:10	1.2	261	14	1.7	0.00
31/08/2022 02:20	1.6	259	11	2.2	0.00
31/08/2022 02:30	2.2	266	11	2.9	0.00
31/08/2022 02:40	2.3	262	8	2.9	0.00
31/08/2022 02:50	2.3	260	8	2.8	0.00
31/08/2022 03:00	2.0	257	13	2.9	0.00
31/08/2022 03:10	2.4	259	9	3.6	0.00
31/08/2022 03:20	2.5	257	11	3.6	0.00
31/08/2022 03:30	2.6	259	8	3.7	0.00
31/08/2022 03:40	2.1	254	10	2.5	0.00
31/08/2022 03:50	2.3	255	9	3.1	0.00
31/08/2022 04:00	1.8	249	10	2.6	0.00
31/08/2022 04:10	1.9	251	10	2.6	0.00
31/08/2022 04:20	1.2	245	17	2.0	0.00
31/08/2022 04:30	1.4	249	12	2.3	0.00
31/08/2022 04:40	0.4	212	24	1.1	0.00
31/08/2022 04:50	0.5	154	40	1.5	0.00
31/08/2022 05:00	0.5	153	20	1.1	0.00
31/08/2022 05:10	0.2	171	13	0.8	0.00
31/08/2022 05:20	0.1	97	5	0.8	0.00
31/08/2022 05:30	0.3	158	13	0.9	0.00
31/08/2022 05:40	0.2	151	13	0.6	0.00
31/08/2022 05:50					0.00
31/08/2022 06:00					0.00
31/08/2022 06:10	0.4	345	7	0.8	0.00
31/08/2022 06:20	0.4	28	6	1.0	0.00
31/08/2022 06:30	0.3	297	5	1.0	0.00
31/08/2022 06:40	0.3	57	3	1.0	0.00
31/08/2022 06:50					0.00
31/08/2022 07:00					0.00
31/08/2022 07:10					0.00
31/08/2022 07:20					0.00
31/08/2022 07:30	0.2	353	9	1.0	0.00
31/08/2022 07:40	0.5	157	37	1.0	0.00
31/08/2022 07:50	0.2	252	25	0.8	0.00
31/08/2022 08:00	0.4	277	46	1.2	0.00
31/08/2022 08:10	1.0	230	21	1.7	0.00
31/08/2022 08:20	1.0	214	22	1.7	0.00
31/08/2022 08:30	1.1	230	21	1.6	0.00
31/08/2022 08:40	0.7	184	23	1.2	0.00
31/08/2022 08:50	0.8	167	29	1.2	0.00
31/08/2022 09:00	0.8	116	44	1.4	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/08/2022 09:10	0.8	140	46	1.5	0.00
31/08/2022 09:20	0.9	259	49	1.6	0.00
31/08/2022 09:30	1.0	259	27	1.5	0.00
31/08/2022 09:40	1.2	286	38	2.0	0.00
31/08/2022 09:50	1.4	296	22	2.4	0.00
31/08/2022 10:00	2.3	195	41	3.8	0.00
31/08/2022 10:10	3.1	87	11	3.9	0.00
31/08/2022 10:20	2.4	101	17	3.6	0.00
31/08/2022 10:30	2.7	84	18	4.1	0.00
31/08/2022 10:40	2.2	116	29	3.8	0.00
31/08/2022 10:50	2.9	224	45	4.8	0.00
31/08/2022 11:00	1.5	202	60	2.8	0.00
31/08/2022 11:10	2.1	23	33	3.6	0.00
31/08/2022 11:20	2.7	343	26	4.0	0.00
31/08/2022 11:30	2.5	342	22	3.6	0.00
31/08/2022 11:40	2.8	334	21	3.9	0.00
31/08/2022 11:50	2.6	171	18	4.0	0.00
31/08/2022 12:00	2.4	8	29	3.8	0.00
31/08/2022 12:10	2.3	11	25	3.7	0.00
31/08/2022 12:20	2.5	349	22	3.9	0.00
31/08/2022 12:30	2.5	353	28	3.7	0.00
31/08/2022 12:40	2.5	184	38	4.3	0.00
31/08/2022 12:50	3.0	354	28	4.7	0.00
31/08/2022 13:00	3.8	178	21	5.1	0.00
31/08/2022 13:10	3.5	181	24	5.1	0.00
31/08/2022 13:20	3.3	183	21	5.2	0.00
31/08/2022 13:30	2.9	350	28	4.4	0.00
31/08/2022 13:40	2.9	4	21	4.5	0.00
31/08/2022 13:50	2.6	176	30	4.5	0.00
31/08/2022 14:00	2.9	181	24	4.4	0.00
31/08/2022 14:10	3.1	184	20	4.6	0.00
31/08/2022 14:20	2.7	189	23	4.1	0.00
31/08/2022 14:30	3.3	3	21	4.8	0.00
31/08/2022 14:40	3.7	352	21	5.4	0.00
31/08/2022 14:50	4.2	347	18	6.0	0.00
31/08/2022 15:00	4.2	175	17	5.6	0.00
31/08/2022 15:10	3.3	349	18	4.5	0.00
31/08/2022 15:20	3.0	182	26	4.6	0.00
31/08/2022 15:30	2.7	186	25	4.4	0.00
31/08/2022 15:40	2.6	18	24	4.0	0.00
31/08/2022 15:50	2.8	28	21	4.5	0.00
31/08/2022 16:00	2.9	25	22	4.8	0.00
31/08/2022 16:10	2.8	21	22	4.3	0.00
31/08/2022 16:20	2.8	18	26	4.1	0.00
31/08/2022 16:30	3.1	28	22	4.5	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/08/2022 16:40	2.8	29	24	4.7	0.00
31/08/2022 16:50	2.9	38	19	4.4	0.00
31/08/2022 17:00	2.7	13	16	4.1	0.00
31/08/2022 17:10	3.0	21	15	4.3	0.00
31/08/2022 17:20	2.8	15	20	4.1	0.00
31/08/2022 17:30	2.0	348	33	3.8	0.00
31/08/2022 17:40	1.7	351	31	2.9	0.00
31/08/2022 17:50	1.4	325	51	2.8	0.00
31/08/2022 18:00	1.0	324	58	1.9	0.00
31/08/2022 18:10	1.1	311	55	2.4	0.00
31/08/2022 18:20	1.3	325	30	2.0	0.00
31/08/2022 18:30	1.1	325	45	2.0	0.00
31/08/2022 18:40	1.5	334	30	2.4	0.00
31/08/2022 18:50	1.6	338	32	2.9	0.00
31/08/2022 19:00	2.0	177	33	3.3	0.00
31/08/2022 19:10	1.9	178	28	2.9	0.00
31/08/2022 19:20	1.5	342	28	2.4	0.00
31/08/2022 19:30	2.1	7	27	3.2	0.00
31/08/2022 19:40	1.6	353	33	2.9	0.00
31/08/2022 19:50	1.1	334	40	2.1	0.00
31/08/2022 20:00	1.4	331	27	2.5	0.00
31/08/2022 20:10	1.5	315	24	2.9	0.00
31/08/2022 20:20	2.0	311	28	3.1	0.00
31/08/2022 20:30	1.8	295	23	2.9	0.00
31/08/2022 20:40	1.5	301	22	2.6	0.00
31/08/2022 20:50	1.6	268	19	2.6	0.00
31/08/2022 21:00	2.2	270	18	3.2	0.00
31/08/2022 21:10	2.3	272	15	3.1	0.00
31/08/2022 21:20	2.4	266	12	3.3	0.00
31/08/2022 21:30	2.4	257	10	3.1	0.00
31/08/2022 21:40	1.5	233	14	2.1	0.00
31/08/2022 21:50	0.9	179	45	1.4	0.00
31/08/2022 22:00	0.4	179	8	1.4	0.00
31/08/2022 22:10	1.0	236	18	1.6	0.00
31/08/2022 22:20	0.7	133	39	1.4	0.00
31/08/2022 22:30	0.2	191	6	0.8	0.00
31/08/2022 22:40	0.3	212	15	0.8	0.00
31/08/2022 22:50	0.1	265	6	0.7	0.00
31/08/2022 23:00	0.7	297	15	1.3	0.00
31/08/2022 23:10	1.1	277	26	1.7	0.00
31/08/2022 23:20	1.1	275	28	1.9	0.00
31/08/2022 23:30	0.7	284	32	1.4	0.00
31/08/2022 23:40	1.0	261	20	1.6	0.00
31/08/2022 23:50	0.4	263	17	1.3	0.00
09/01/2022 00:00	1.0	242	19	1.6	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/01/2022 00:10	1.0	216	16	1.3	0.00
09/01/2022 00:20	1.1	205	34	1.6	0.00
09/01/2022 00:30	0.3	197	41	0.8	0.00
09/01/2022 00:40	0.5	122	8	0.8	0.00
09/01/2022 00:50	0.1	144	5	0.8	0.00
09/01/2022 01:00					0.00
09/01/2022 01:10	0.1	266	4	0.7	0.00
09/01/2022 01:20					0.00
09/01/2022 01:30	0.2	242	5	0.6	0.00
09/01/2022 01:40	0.0	254	1	0.4	0.00
09/01/2022 01:50	0.3	301	5	0.9	0.00
09/01/2022 02:00					0.00
09/01/2022 02:10	0.2	77	14	0.8	0.00
09/01/2022 02:20	0.2	191	9	0.7	0.00
09/01/2022 02:30					0.00
09/01/2022 02:40					0.00
09/01/2022 02:50					0.00
09/01/2022 03:00	0.7	94	9	1.9	0.00
09/01/2022 03:10	1.5	115	11	2.2	0.00
09/01/2022 03:20	1.0	117	18	1.7	0.00
09/01/2022 03:30	0.6	134	12	1.1	0.00
09/01/2022 03:40	0.1	131	34	0.8	0.00
09/01/2022 03:50	0.2	120	4	0.8	0.00
09/01/2022 04:00	0.9	114	9	1.6	0.00
09/01/2022 04:10	0.9	82	17	1.5	0.00
09/01/2022 04:20	1.0	101	12	1.5	0.00
09/01/2022 04:30	1.3	96	11	1.9	0.00
09/01/2022 04:40	1.3	106	9	1.9	0.00
09/01/2022 04:50	1.5	97	10	2.3	0.00
09/01/2022 05:00	1.3	108	8	1.8	0.00
09/01/2022 05:10	1.5	89	9	2.0	0.00
09/01/2022 05:20	1.9	94	9	2.4	0.00
09/01/2022 05:30	2.1	93	12	3.1	0.00
09/01/2022 05:40	1.5	96	15	2.0	0.00
09/01/2022 05:50	1.4	102	19	2.0	0.00
09/01/2022 06:00	1.2	87	14	2.0	0.00
09/01/2022 06:10	2.3	72	7	3.0	0.00
09/01/2022 06:20	2.5	84	8	3.1	0.00
09/01/2022 06:30	1.9	85	9	2.4	0.00
09/01/2022 06:40	2.5	78	9	3.2	0.00
09/01/2022 06:50	2.7	67	10	3.6	0.00
09/01/2022 07:00	3.4	68	9	4.2	0.00
09/01/2022 07:10	3.4	71	9	4.4	0.00
09/01/2022 07:20	3.5	69	9	4.4	0.00
09/01/2022 07:30	3.0	67	8	4.0	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/01/2022 07:40	2.9	59	10	4.0	0.00
09/01/2022 07:50	2.3	62	11	2.9	0.00
09/01/2022 08:00	2.7	68	11	3.6	0.00
09/01/2022 08:10	3.2	82	11	4.4	0.00
09/01/2022 08:20	3.1	87	11	4.0	0.00
09/01/2022 08:30	2.9	88	12	3.8	0.00
09/01/2022 08:40	3.6	102	11	5.0	0.00
09/01/2022 08:50	3.7	100	15	4.8	0.00
09/01/2022 09:00	3.6	98	12	4.7	0.00
09/01/2022 09:10	3.8	99	12	5.2	0.00
09/01/2022 09:20	3.7	100	13	4.8	0.00
09/01/2022 09:30	3.6	99	12	4.8	0.00
09/01/2022 09:40	3.7	96	12	5.0	0.00
09/01/2022 09:50	4.2	87	11	5.3	0.00
09/01/2022 10:00	3.3	101	16	4.9	0.00
09/01/2022 10:10	3.9	89	14	5.3	0.00
09/01/2022 10:20	4.3	83	11	5.8	0.00
09/01/2022 10:30	4.8	80	13	6.7	0.00
09/01/2022 10:40	5.7	88	11	7.9	0.00
09/01/2022 10:50	6.4	91	12	9.2	0.00
09/01/2022 11:00	6.0	86	12	9.0	0.00
09/01/2022 11:10	7.4	82	11	10.1	0.00
09/01/2022 11:20	6.9	82	12	9.3	0.00
09/01/2022 11:30	6.9	80	13	9.5	0.00
09/01/2022 11:40	7.1	83	12	8.6	0.00
09/01/2022 11:50	6.9	80	14	9.1	0.00
09/01/2022 12:00	6.7	81	11	9.5	0.00
09/01/2022 12:10	6.7	84	12	9.3	0.00
09/01/2022 12:20	6.2	82	12	8.3	0.00
09/01/2022 12:30	5.9	78	12	9.2	0.00
09/01/2022 12:40	6.9	81	11	9.3	0.00
09/01/2022 12:50	7.0	84	10	9.7	0.00
09/01/2022 13:00	6.6	84	13	9.3	0.00
09/01/2022 13:10	6.2	80	13	8.0	0.00
09/01/2022 13:20	6.5	81	12	8.4	0.00
09/01/2022 13:30	6.6	86	13	8.2	0.00
09/01/2022 13:40	6.2	80	12	8.3	0.00
09/01/2022 13:50	6.3	78	13	8.9	0.00
09/01/2022 14:00	7.0	85	11	9.1	0.00
09/01/2022 14:10	6.6	78	12	8.7	0.00
09/01/2022 14:20	6.4	66	12	8.4	0.00
09/01/2022 14:30	5.9	69	12	8.3	0.00
09/01/2022 14:40	6.4	69	12	8.3	0.00
09/01/2022 14:50	5.9	63	12	8.2	0.00
09/01/2022 15:00	5.5	64	11	6.9	0.00





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/01/2022 15:10	5.3	55	12	7.1	0.00
09/01/2022 15:20	4.8	56	14	6.4	0.00
09/01/2022 15:30	4.3	56	15	6.2	0.00
09/01/2022 15:40	3.8	43	18	5.1	0.00
09/01/2022 15:50	3.8	41	14	5.4	0.00
09/01/2022 16:00	4.1	46	13	5.7	0.00
09/01/2022 16:10	4.1	40	14	5.7	0.00
09/01/2022 16:20	3.8	39	15	5.3	0.00
09/01/2022 16:30	3.4	39	16	4.8	0.00
09/01/2022 16:40	3.0	180	20	4.6	0.00
09/01/2022 16:50	3.5	355	19	5.1	0.00
09/01/2022 17:00	3.5	347	16	5.3	0.00
09/01/2022 17:10	3.6	348	18	4.9	0.00
09/01/2022 17:20	3.5	357	17	5.4	0.00
09/01/2022 17:30	3.6	179	15	5.2	0.00
09/01/2022 17:40	3.3	180	19	5.1	0.00
09/01/2022 17:50	3.4	181	16	4.8	0.00
09/01/2022 18:00	3.3	351	16	4.6	0.00
09/01/2022 18:10	2.9	4	18	4.3	0.00
09/01/2022 18:20	3.3	7	15	5.0	0.00
09/01/2022 18:30	3.2	180	18	5.1	0.00
09/01/2022 18:40	3.2	8	19	4.9	0.00
09/01/2022 18:50	3.1	357	18	4.7	0.00
09/01/2022 19:00	2.8	4	19	4.4	0.00
09/01/2022 19:10	3.0	7	17	4.1	0.00
09/01/2022 19:20	2.7	13	18	3.9	0.00
09/01/2022 19:30	2.6	21	17	4.0	0.00
09/01/2022 19:40	2.5	27	18	3.8	0.00
09/01/2022 19:50	2.8	42	13	3.9	0.00
09/01/2022 20:00	2.5	50	11	3.5	0.00
09/01/2022 20:10	2.4	38	19	3.3	0.00
09/01/2022 20:20	1.5	35	22	2.7	0.00
09/01/2022 20:30	1.8	185	26	2.8	0.00
09/01/2022 20:40	2.2	47	14	2.9	0.00
09/01/2022 20:50	1.9	61	10	2.6	0.00
09/01/2022 21:00	2.3	49	14	3.2	0.00
09/01/2022 21:10	2.2	37	23	3.6	0.00
09/01/2022 21:20	2.6	40	16	4.0	0.00
09/01/2022 21:30	2.4	44	16	3.9	0.00
09/01/2022 21:40	2.4	56	14	3.4	0.00
09/01/2022 21:50	2.3	47	14	3.1	0.00
09/01/2022 22:00	1.9	56	13	2.6	0.00
09/01/2022 22:10	1.3	65	10	1.7	0.00
09/01/2022 22:20	1.0	23	23	1.6	0.00
09/01/2022 22:30	1.5	7	18	2.2	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/01/2022 22:40	1.4	65	18	1.8	0.00
09/01/2022 22:50	0.9	60	35	1.4	0.00
09/01/2022 23:00	0.6	135	12	1.2	0.00
09/01/2022 23:10	1.5	120	14	2.1	0.00
09/01/2022 23:20	2.0	93	15	2.9	0.00
09/01/2022 23:30	2.9	98	12	4.0	0.00
09/01/2022 23:40	3.3	97	10	4.5	0.00
09/01/2022 23:50	3.1	96	10	4.0	0.00
09/02/2022 00:00	2.9	102	10	3.7	0.00
09/02/2022 00:10	3.1	98	9	4.0	0.00
09/02/2022 00:20	2.4	101	11	3.5	0.00
09/02/2022 00:30	2.7	107	8	3.2	0.00
09/02/2022 00:40	2.6	100	9	3.5	0.00
09/02/2022 00:50	2.4	100	12	3.1	0.00
09/02/2022 01:00	3.2	101	9	4.0	0.00
09/02/2022 01:10	3.3	99	9	4.2	0.00
09/02/2022 01:20	2.9	106	10	3.8	0.00
09/02/2022 01:30	3.1	94	10	4.3	0.00
09/02/2022 01:40	3.3	90	9	4.4	0.00
09/02/2022 01:50	3.1	90	10	4.1	0.00
09/02/2022 02:00	3.1	93	10	4.5	0.00
09/02/2022 02:10	2.6	86	10	3.3	0.00
09/02/2022 02:20	2.8	90	9	3.7	0.00
09/02/2022 02:30	2.4	68	26	3.3	0.00
09/02/2022 02:40	1.4	45	29	2.4	0.00
09/02/2022 02:50	2.0	99	16	3.5	0.00
09/02/2022 03:00	2.8	99	10	3.6	0.00
09/02/2022 03:10	2.9	99	11	4.0	0.00
09/02/2022 03:20	3.9	98	9	5.1	0.00
09/02/2022 03:30	3.7	90	10	5.1	0.00
09/02/2022 03:40	3.4	94	16	4.6	0.00
09/02/2022 03:50	3.6	91	12	4.6	0.00
09/02/2022 04:00	4.4	88	9	6.1	0.00
09/02/2022 04:10	3.6	85	10	5.0	0.00
09/02/2022 04:20	4.1	86	11	5.6	0.00
09/02/2022 04:30	4.3	86	9	5.2	0.00
09/02/2022 04:40	3.8	89	10	5.5	0.00
09/02/2022 04:50	3.7	85	9	4.9	0.00
09/02/2022 05:00	3.6	87	11	5.0	0.00
09/02/2022 05:10	3.5	83	10	4.5	0.00
09/02/2022 05:20	3.5	88	9	4.7	0.00
09/02/2022 05:30	3.9	82	9	5.5	0.00
09/02/2022 05:40	3.5	82	10	4.8	0.00
09/02/2022 05:50	2.7	87	12	3.8	0.00
09/02/2022 06:00	3.1	88	10	4.0	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/02/2022 06:10	3.2	86	11	4.4	0.00
09/02/2022 06:20	3.3	79	10	4.4	0.00
09/02/2022 06:30	2.9	69	9	3.7	0.00
09/02/2022 06:40	2.9	87	11	4.3	0.00
09/02/2022 06:50	2.4	85	10	3.3	0.00
09/02/2022 07:00	2.8	78	10	3.8	0.00
09/02/2022 07:10	3.3	74	9	4.5	0.00
09/02/2022 07:20	3.7	80	10	5.0	0.00
09/02/2022 07:30	3.8	82	10	5.7	0.00
09/02/2022 07:40	4.3	80	9	6.4	0.00
09/02/2022 07:50	4.6	78	11	6.4	0.00
09/02/2022 08:00	4.6	81	11	6.3	0.00
09/02/2022 08:10	3.8	85	10	5.0	0.00
09/02/2022 08:20	4.6	82	10	6.8	0.00
09/02/2022 08:30	4.9	81	11	6.5	0.00
09/02/2022 08:40	5.8	87	10	8.0	0.00
09/02/2022 08:50	6.3	80	10	8.9	0.00
09/02/2022 09:00	6.1	82	11	8.3	0.00
09/02/2022 09:10	5.7	82	11	7.7	0.00
09/02/2022 09:20	6.0	83	11	8.6	0.00
09/02/2022 09:30	6.3	79	12	8.2	0.00
09/02/2022 09:40	5.9	82	11	8.2	0.00
09/02/2022 09:50	5.7	82	11	7.9	0.00
09/02/2022 10:00	5.9	83	10	8.3	0.00
09/02/2022 10:10	6.4	87	10	8.5	0.00
09/02/2022 10:20	6.2	80	15	8.3	0.00
09/02/2022 10:30	6.6	80	11	8.7	0.00
09/02/2022 10:40	7.3	86	12	9.7	0.00
09/02/2022 10:50	7.1	85	13	9.9	0.00
09/02/2022 11:00	7.1	82	12	10.5	0.00
09/02/2022 11:10	7.0	79	11	9.9	0.00
09/02/2022 11:20	7.2	75	10	9.4	0.00
09/02/2022 11:30	6.9	76	13	9.9	0.00
09/02/2022 11:40	6.7	79	13	9.3	0.00
09/02/2022 11:50	8.4	72	11	11.2	0.00
09/02/2022 12:00	8.7	72	10	11.1	0.00
09/02/2022 12:10	7.9	79	11	11.2	0.00
09/02/2022 12:20	7.4	84	11	9.6	0.00
09/02/2022 12:30	7.5	82	12	10.5	0.00
09/02/2022 12:40	7.9	68	9	10.7	0.00
09/02/2022 12:50	6.7	70	12	9.3	0.00
09/02/2022 13:00	6.9	66	14	9.4	0.00
09/02/2022 13:10	6.1	64	12	8.0	0.00
09/02/2022 13:20	6.6	77	10	9.5	0.00
09/02/2022 13:30	7.0	75	10	9.5	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/02/2022 13:40	6.0	67	13	8.5	0.00
09/02/2022 13:50	5.9	67	12	8.0	0.00
09/02/2022 14:00	6.6	70	12	8.8	0.00
09/02/2022 14:10	7.3	74	11	9.3	0.00
09/02/2022 14:20	6.8	75	11	8.8	0.00
09/02/2022 14:30	7.1	72	11	9.1	0.00
09/02/2022 14:40	6.0	69	12	8.0	0.00
09/02/2022 14:50	6.2	66	13	8.7	0.00
09/02/2022 15:00	6.0	73	10	8.0	0.00
09/02/2022 15:10	6.6	76	10	8.7	0.00
09/02/2022 15:20	6.4	74	11	9.1	0.00
09/02/2022 15:30	5.9	69	13	8.3	0.00
09/02/2022 15:40	6.2	66	12	8.1	0.00
09/02/2022 15:50	6.1	70	10	7.6	0.00
09/02/2022 16:00	5.9	66	11	8.3	0.00
09/02/2022 16:10	5.6	72	11	7.4	0.00
09/02/2022 16:20	5.3	68	10	7.3	0.00
09/02/2022 16:30	4.8	66	11	6.8	0.00
09/02/2022 16:40	4.3	69	13	5.9	0.00
09/02/2022 16:50	4.0	65	12	5.7	0.00
09/02/2022 17:00	3.6	59	16	5.2	0.00
09/02/2022 17:10	3.8	55	12	5.2	0.00
09/02/2022 17:20	4.0	59	13	5.5	0.00
09/02/2022 17:30	4.4	61	11	5.6	0.00
09/02/2022 17:40	4.0	65	11	5.5	0.00
09/02/2022 17:50	3.4	62	13	5.1	0.00
09/02/2022 18:00	3.8	62	11	5.4	0.00
09/02/2022 18:10	3.3	59	14	4.5	0.00
09/02/2022 18:20	3.5	48	11	4.8	0.00
09/02/2022 18:30	2.7	43	16	3.8	0.00
09/02/2022 18:40	3.0	46	13	3.9	0.00
09/02/2022 18:50	2.7	46	14	3.8	0.00
09/02/2022 19:00	3.7	49	12	4.9	0.00
09/02/2022 19:10	3.4	49	12	4.8	0.00
09/02/2022 19:20	3.1	55	12	4.3	0.00
09/02/2022 19:30	2.8	52	11	4.4	0.00
09/02/2022 19:40	2.8	40	16	4.3	0.00
09/02/2022 19:50	2.6	36	18	4.1	0.00
09/02/2022 20:00	2.8	38	15	4.1	0.00
09/02/2022 20:10	3.2	27	17	4.9	0.00
09/02/2022 20:20	3.1	23	20	4.6	0.00
09/02/2022 20:30	3.0	21	20	4.8	0.00
09/02/2022 20:40	2.9	31	17	4.6	0.00
09/02/2022 20:50	2.9	32	14	4.3	0.00
09/02/2022 21:00	2.7	27	17	4.3	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/02/2022 21:10	3.5	16	15	4.8	0.00
09/02/2022 21:20	3.5	19	15	4.7	0.00
09/02/2022 21:30	3.1	21	16	4.4	0.00
09/02/2022 21:40	3.1	22	14	4.4	0.00
09/02/2022 21:50	3.0	23	16	4.2	0.00
09/02/2022 22:00	2.9	19	18	4.1	0.00
09/02/2022 22:10	3.4	23	16	4.5	0.10
09/02/2022 22:20	2.7	24	15	3.8	0.00
09/02/2022 22:30	2.6	25	15	3.5	0.00
09/02/2022 22:40	2.8	28	15	4.3	0.00
09/02/2022 22:50	3.1	29	13	4.4	0.00
09/02/2022 23:00	2.9	30	16	4.0	0.00
09/02/2022 23:10	3.0	26	17	4.4	0.00
09/02/2022 23:20	3.0	33	17	4.6	0.00
09/02/2022 23:30	2.4	328	29	4.1	0.00
09/02/2022 23:40	4.3	293	15	6.0	0.00
09/02/2022 23:50	4.1	290	14	5.3	0.00
09/03/2022 00:00	3.5	273	14	4.8	0.00
09/03/2022 00:10	3.8	258	9	4.8	0.00
09/03/2022 00:20	3.9	260	10	5.0	0.00
09/03/2022 00:30	3.4	259	12	4.4	0.00
09/03/2022 00:40	3.4	259	12	4.5	0.00
09/03/2022 00:50	3.4	259	11	4.4	0.00
09/03/2022 01:00	4.1	256	11	6.0	0.00
09/03/2022 01:10	4.2	252	11	5.6	0.00
09/03/2022 01:20	3.5	251	12	4.5	0.20
09/03/2022 01:30	3.9	255	12	5.7	0.20
09/03/2022 01:40	3.1	255	12	4.4	0.20
09/03/2022 01:50	2.3	245	15	3.0	0.00
09/03/2022 02:00	2.4	248	10	3.3	0.20
09/03/2022 02:10	2.4	252	11	3.6	0.20
09/03/2022 02:20	2.8	261	11	3.6	0.20
09/03/2022 02:30	2.5	258	11	3.4	0.00
09/03/2022 02:40	2.1	252	11	2.9	0.00
09/03/2022 02:50	2.4	257	12	3.2	0.10
09/03/2022 03:00	2.5	263	10	3.2	0.00
09/03/2022 03:10	2.3	253	10	3.2	0.00
09/03/2022 03:20	2.6	258	12	3.7	0.00
09/03/2022 03:30	2.5	244	16	3.6	0.00
09/03/2022 03:40	2.1	249	11	3.2	0.10
09/03/2022 03:50	2.6	235	13	3.7	0.00
09/03/2022 04:00	3.2	233	13	4.8	0.00
09/03/2022 04:10	2.9	235	14	4.4	0.00
09/03/2022 04:20	3.5	230	17	4.9	0.00
09/03/2022 04:30	3.5	231	16	4.8	0.20



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/03/2022 04:40	3.7	232	13	5.2	0.10
09/03/2022 04:50	3.0	236	12	4.6	0.10
09/03/2022 05:00	3.1	234	14	4.6	0.20
09/03/2022 05:10	3.0	234	16	4.3	0.10
09/03/2022 05:20	3.1	243	14	4.7	0.30
09/03/2022 05:30	3.5	245	15	5.3	0.20
09/03/2022 05:40	2.7	241	15	3.9	0.20
09/03/2022 05:50	1.9	235	16	2.9	0.10
09/03/2022 06:00	1.8	231	14	2.7	0.10
09/03/2022 06:10	2.0	232	14	3.2	0.10
09/03/2022 06:20	1.7	249	14	2.4	0.10
09/03/2022 06:30	2.8	255	12	4.1	0.10
09/03/2022 06:40	4.5	261	12	6.9	0.20
09/03/2022 06:50	4.0	263	13	5.3	0.10
09/03/2022 07:00	3.6	264	11	4.8	0.00
09/03/2022 07:10	3.3	268	13	4.9	0.40
09/03/2022 07:20	3.3	281	18	4.8	0.10
09/03/2022 07:30	3.4	286	18	5.2	0.00
09/03/2022 07:40	3.0	279	18	4.8	0.00
09/03/2022 07:50	2.2	272	16	3.2	0.20
09/03/2022 08:00	2.5	266	12	3.5	0.20
09/03/2022 08:10	3.1	260	10	4.1	0.20
09/03/2022 08:20	2.8	257	10	3.6	0.10
09/03/2022 08:30	2.7	261	12	3.6	0.20
09/03/2022 08:40	2.5	269	13	3.2	0.10
09/03/2022 08:50	2.9	272	15	4.2	0.00
09/03/2022 09:00	3.0	280	17	4.8	0.10
09/03/2022 09:10	3.0	287	19	5.1	0.30
09/03/2022 09:20	3.2	290	12	4.9	0.10
09/03/2022 09:30	3.2	293	15	4.7	0.00
09/03/2022 09:40	3.3	280	15	4.8	0.00
09/03/2022 09:50	3.0	281	16	4.6	0.00
09/03/2022 10:00	2.8	290	17	4.1	0.10
09/03/2022 10:10	2.9	288	14	4.1	0.00
09/03/2022 10:20	2.5	278	17	4.0	0.00
09/03/2022 10:30	3.2	293	11	4.8	0.20
09/03/2022 10:40	2.4	290	15	3.6	0.00
09/03/2022 10:50	2.7	265	13	3.7	0.00
09/03/2022 11:00	2.7	280	17	4.0	0.00
09/03/2022 11:10	3.3	269	14	4.4	0.00
09/03/2022 11:20	3.7	266	12	4.8	0.00
09/03/2022 11:30	3.5	276	15	4.6	0.00
09/03/2022 11:40	3.6	271	13	4.9	0.00
09/03/2022 11:50	4.3	268	13	5.8	0.00
09/03/2022 12:00	4.0	274	16	5.8	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/03/2022 12:10	4.8	264	14	6.5	0.00
09/03/2022 12:20	4.9	256	12	6.6	0.00
09/03/2022 12:30	5.1	266	14	6.8	0.00
09/03/2022 12:40	4.3	266	14	6.0	0.00
09/03/2022 12:50	4.7	267	12	6.4	0.00
09/03/2022 13:00	5.0	271	15	6.8	0.00
09/03/2022 13:10	4.9	267	13	6.8	0.00
09/03/2022 13:20	5.2	262	12	7.4	0.00
09/03/2022 13:30	4.8	268	14	6.5	0.00
09/03/2022 13:40	5.5	260	13	7.5	0.00
09/03/2022 13:50	5.6	263	15	7.5	0.00
09/03/2022 14:00	5.2	269	14	6.8	0.00
09/03/2022 14:10	5.1	258	14	7.2	0.00
09/03/2022 14:20	4.6	264	15	6.3	0.00
09/03/2022 14:30	4.9	250	14	6.8	0.00
09/03/2022 14:40	5.1	247	15	6.9	0.00
09/03/2022 14:50	5.1	256	14	7.2	0.00
09/03/2022 15:00	5.1	257	12	7.0	0.00
09/03/2022 15:10	5.0	254	13	6.8	0.00
09/03/2022 15:20	5.4	250	13	7.6	0.00
09/03/2022 15:30	5.2	253	13	7.0	0.00
09/03/2022 15:40	5.2	253	14	6.8	0.00
09/03/2022 15:50	5.3	253	12	7.1	0.00
09/03/2022 16:00	4.7	258	15	6.5	0.00
09/03/2022 16:10	5.7	258	10	7.9	0.00
09/03/2022 16:20	5.1	260	14	7.2	0.00
09/03/2022 16:30	5.4	257	12	7.5	0.00
09/03/2022 16:40	5.1	255	12	7.2	0.00
09/03/2022 16:50	5.1	247	13	6.7	0.00
09/03/2022 17:00	5.4	253	12	7.2	0.00
09/03/2022 17:10	5.0	263	12	6.7	0.00
09/03/2022 17:20	4.6	256	13	6.2	0.00
09/03/2022 17:30	4.3	261	11	6.3	0.00
09/03/2022 17:40	4.5	254	14	6.1	0.00
09/03/2022 17:50	4.5	257	12	5.9	0.00
09/03/2022 18:00	4.5	252	9	6.2	0.00
09/03/2022 18:10	4.6	258	11	6.6	0.00
09/03/2022 18:20	4.6	260	12	6.1	0.00
09/03/2022 18:30	4.6	261	12	6.3	0.00
09/03/2022 18:40	5.1	263	10	7.2	0.00
09/03/2022 18:50	4.9	260	11	6.5	0.00
09/03/2022 19:00	4.8	262	11	6.7	0.00
09/03/2022 19:10	5.1	259	13	7.1	0.00
09/03/2022 19:20	5.0	253	11	6.8	0.00
09/03/2022 19:30	4.6	256	12	6.3	0.00



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/03/2022 19:40	3.8	258	10	6.0	0.00
09/03/2022 19:50	3.9	260	12	5.4	0.00
09/03/2022 20:00	4.6	255	12	6.4	0.00
09/03/2022 20:10	4.2	256	12	5.6	0.00
09/03/2022 20:20	4.4	253	10	6.1	0.00
09/03/2022 20:30	3.4	249	13	5.1	0.00
09/03/2022 20:40	3.2	246	14	5.0	0.00
09/03/2022 20:50	3.9	254	12	5.2	0.00
09/03/2022 21:00	3.6	255	11	5.0	0.00
09/03/2022 21:10	2.5	245	11	4.1	0.00
09/03/2022 21:20	2.0	237	14	3.0	0.00
09/03/2022 21:30	2.0	238	14	2.8	0.00
09/03/2022 21:40	1.9	251	11	2.8	0.00
09/03/2022 21:50	1.8	249	12	3.0	0.00
09/03/2022 22:00	1.8	248	16	3.2	0.00
09/03/2022 22:10	1.8	252	12	3.0	0.00
09/03/2022 22:20	1.3	234	16	1.8	0.00
09/03/2022 22:30	0.7	222	9	1.1	0.00
09/03/2022 22:40	0.3	235	6	0.7	0.00
09/03/2022 22:50	0.6	260	12	1.1	0.00
09/03/2022 23:00	1.2	246	13	1.5	0.00
09/03/2022 23:10	1.2	253	10	1.9	0.00
09/03/2022 23:20	1.0	252	11	1.4	0.00
09/03/2022 23:30	0.2	258	11	0.8	0.00
09/03/2022 23:40	1.5	263	11	2.2	0.00
09/03/2022 23:50	0.4	213	46	1.2	0.00
09/04/2022 00:00	0.3	208	22	0.9	0.00
09/04/2022 00:10	0.9	239	21	1.3	0.00
09/04/2022 00:20	1.0	255	11	1.3	0.00
09/04/2022 00:30	0.8	273	15	1.1	0.00
09/04/2022 00:40	0.9	263	11	1.2	0.00
09/04/2022 00:50	1.4	247	13	2.0	0.00
09/04/2022 01:00	1.8	241	13	2.4	0.00
09/04/2022 01:10	1.4	245	15	2.2	0.00
09/04/2022 01:20	1.5	242	18	2.2	0.00
09/04/2022 01:30	1.3	242	18	1.9	0.00
09/04/2022 01:40	1.7	233	14	3.0	0.00
09/04/2022 01:50	1.4	238	17	2.0	0.00
09/04/2022 02:00	1.3	241	16	2.1	0.00
09/04/2022 02:10	1.6	239	16	2.2	0.00
09/04/2022 02:20	1.9	236	17	2.6	0.00
09/04/2022 02:30	2.3	233	15	3.2	0.00
09/04/2022 02:40	2.0	231	15	2.8	0.00
09/04/2022 02:50	1.7	233	19	2.7	0.00
09/04/2022 03:00	1.3	243	16	1.7	0.00





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/04/2022 03:10	1.7	238	16	2.4	0.00
09/04/2022 03:20	2.0	236	16	2.8	0.00
09/04/2022 03:30	2.1	231	15	3.0	0.00
09/04/2022 03:40	2.2	233	18	2.9	0.00
09/04/2022 03:50	2.7	231	14	3.6	0.00
09/04/2022 04:00	2.6	236	12	3.6	0.00
09/04/2022 04:10	2.5	237	15	3.2	0.00
09/04/2022 04:20	2.0	239	13	3.2	0.00
09/04/2022 04:30	2.1	232	14	3.0	0.00
09/04/2022 04:40	1.8	233	17	2.8	0.00
09/04/2022 04:50	1.1	225	28	1.8	0.00
09/04/2022 05:00	1.6	235	14	2.2	0.00
09/04/2022 05:10	1.8	237	13	2.6	0.00
09/04/2022 05:20	1.6	241	12	2.3	0.00
09/04/2022 05:30	1.1	247	15	1.7	0.00
09/04/2022 05:40	0.1	286	2	0.8	0.00
09/04/2022 05:50	0.3	266	19	0.9	0.00
09/04/2022 06:00	0.5	258	24	1.4	0.00
09/04/2022 06:10	0.4	236	13	1.2	0.00
09/04/2022 06:20	0.5	294	5	1.1	0.00
09/04/2022 06:30	0.7	289	10	0.8	0.00
09/04/2022 06:40	0.1	269	3	0.5	0.00
09/04/2022 06:50	0.4	287	6	0.8	0.00
09/04/2022 07:00	0.5	178	16	1.0	0.00
09/04/2022 07:10	0.1	29	2	0.5	0.00
09/04/2022 07:20	0.8	234	11	1.8	0.00
09/04/2022 07:30	1.6	232	15	2.1	0.00
09/04/2022 07:40	1.2	217	20	1.6	0.00
09/04/2022 07:50	0.6	198	67	1.3	0.00
09/04/2022 08:00	1.5	220	22	2.2	0.00
09/04/2022 08:10	1.9	229	19	2.8	0.00
09/04/2022 08:20	2.5	227	19	3.2	0.00
09/04/2022 08:30	2.2	221	23	3.0	0.00
09/04/2022 08:40	1.9	220	26	3.4	0.00
09/04/2022 08:50	1.9	222	37	3.2	0.00
09/04/2022 09:00	1.9	232	42	3.3	0.00
09/04/2022 09:10	2.7	234	21	4.4	0.00
09/04/2022 09:20	2.5	228	47	4.4	0.00
09/04/2022 09:30	2.8	224	27	4.1	0.00
09/04/2022 09:40	2.4	235	38	3.7	0.00
09/04/2022 09:50	2.0	211	74	3.6	0.00
09/04/2022 10:00	2.1	219	45	3.7	0.00
09/04/2022 10:10	2.9	227	19	3.9	0.00
09/04/2022 10:20	2.3	233	38	4.0	0.00
09/04/2022 10:30	2.9	241	16	4.4	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/04/2022 10:40	2.1	269	27	3.4	0.00
09/04/2022 10:50	2.5	258	44	4.0	0.00
09/04/2022 11:00	2.4	235	29	4.0	0.00
09/04/2022 11:10	2.3	246	27	4.7	0.00
09/04/2022 11:20	2.9	245	19	4.8	0.00
09/04/2022 11:30	2.9	266	22	4.1	0.00
09/04/2022 11:40	3.6	277	17	5.7	0.00
09/04/2022 11:50	3.1	305	20	4.8	0.00
09/04/2022 12:00	3.6	298	19	5.2	0.00
09/04/2022 12:10	3.5	295	17	4.9	0.00
09/04/2022 12:20	3.1	291	20	4.6	0.00
09/04/2022 12:30	3.7	300	14	5.7	0.00
09/04/2022 12:40	4.3	281	16	6.7	0.00
09/04/2022 12:50	4.3	276	19	6.4	0.00
09/04/2022 13:00	3.7	297	26	5.5	0.00
09/04/2022 13:10	4.0	301	16	6.0	0.00
09/04/2022 13:20	4.0	301	16	5.9	0.00
09/04/2022 13:30	4.4	289	18	6.3	0.00
09/04/2022 13:40	4.5	287	17	6.6	0.00
09/04/2022 13:50	4.6	289	16	6.8	0.00
09/04/2022 14:00	5.4	291	15	6.8	0.00
09/04/2022 14:10	4.5	288	17	7.2	0.00
09/04/2022 14:20	5.3	253	14	7.1	0.00
09/04/2022 14:30	5.3	253	14	7.3	0.00
09/04/2022 14:40	5.1	253	14	7.0	0.00
09/04/2022 14:50	5.9	259	11	7.6	0.00
09/04/2022 15:00	5.4	261	14	7.6	0.00
09/04/2022 15:10	5.9	261	14	7.9	0.00
09/04/2022 15:20	5.7	265	13	7.4	0.00
09/04/2022 15:30	5.3	265	14	7.3	0.00
09/04/2022 15:40	5.8	264	13	7.8	0.00
09/04/2022 15:50	5.8	265	12	7.7	0.00
09/04/2022 16:00	6.6	264	14	8.6	0.00
09/04/2022 16:10	6.7	266	13	9.1	0.00
09/04/2022 16:20	7.4	263	11	9.5	0.00
09/04/2022 16:30	7.0	265	12	9.0	0.00
09/04/2022 16:40	6.5	264	13	8.6	0.00
09/04/2022 16:50	6.4	263	11	8.3	0.00
09/04/2022 17:00	5.9	267	14	7.9	0.00
09/04/2022 17:10	5.5	265	14	7.4	0.00
09/04/2022 17:20	5.5	265	13	7.4	0.00
09/04/2022 17:30	5.4	262	12	7.4	0.00
09/04/2022 17:40	5.5	262	12	7.3	0.00
09/04/2022 17:50	5.2	266	11	7.0	0.00
09/04/2022 18:00	5.0	264	12	6.3	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/04/2022 18:10	4.5	273	14	6.4	0.00
09/04/2022 18:20	4.1	269	14	5.6	0.00
09/04/2022 18:30	3.4	275	15	4.8	0.00
09/04/2022 18:40	3.7	278	15	5.4	0.00
09/04/2022 18:50	3.9	273	13	5.5	0.00
09/04/2022 19:00	3.9	276	14	5.9	0.00
09/04/2022 19:10	3.6	279	15	5.0	0.00
09/04/2022 19:20	3.7	285	15	4.8	0.00
09/04/2022 19:30	3.5	271	16	4.8	0.00
09/04/2022 19:40	3.5	269	15	4.9	0.00
09/04/2022 19:50	3.6	272	14	4.8	0.00
09/04/2022 20:00	3.5	271	14	4.8	0.00
09/04/2022 20:10	3.2	273	15	4.4	0.00
09/04/2022 20:20	3.1	267	14	4.1	0.00
09/04/2022 20:30	3.7	266	10	5.1	0.00
09/04/2022 20:40	4.7	264	11	6.1	0.00
09/04/2022 20:50	4.6	261	9	6.3	0.00
09/04/2022 21:00	4.0	260	9	5.2	0.00
09/04/2022 21:10	4.3	262	11	5.5	0.00
09/04/2022 21:20	4.5	263	10	6.1	0.00
09/04/2022 21:30	4.3	262	10	5.9	0.00
09/04/2022 21:40	4.2	261	9	5.7	0.00
09/04/2022 21:50	3.8	261	10	4.9	0.00
09/04/2022 22:00	3.8	262	10	5.2	0.00
09/04/2022 22:10	3.9	265	10	5.2	0.00
09/04/2022 22:20	3.7	263	10	4.7	0.00
09/04/2022 22:30	3.9	265	10	5.1	0.00
09/04/2022 22:40	3.9	263	10	5.0	0.00
09/04/2022 22:50	3.8	259	10	5.1	0.00
09/04/2022 23:00	3.9	261	9	5.2	0.00
09/04/2022 23:10	4.1	262	10	5.3	0.00
09/04/2022 23:20	4.0	258	9	5.2	0.00
09/04/2022 23:30	4.2	260	9	5.6	0.00
09/04/2022 23:40	4.7	260	9	6.1	0.00
09/04/2022 23:50	4.5	262	11	6.4	0.00
09/05/2022 00:00	4.8	263	9	6.4	0.00
09/05/2022 00:10	4.7	262	9	5.8	0.00
09/05/2022 00:20	4.0	257	11	5.9	0.00
09/05/2022 00:30	2.6	249	11	3.4	0.00
09/05/2022 00:40	2.6	248	12	3.5	0.00
09/05/2022 00:50	2.5	242	12	3.9	0.00
09/05/2022 01:00	1.5	239	17	2.2	0.00
09/05/2022 01:10	1.5	240	13	2.0	0.00
09/05/2022 01:20	1.6	243	12	2.0	0.00
09/05/2022 01:30	1.5	243	10	2.0	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/05/2022 01:40	1.1	240	15	1.6	0.00
09/05/2022 01:50	1.0	250	15	1.6	0.00
09/05/2022 02:00	0.8	251	11	1.2	0.00
09/05/2022 02:10	1.4	243	15	2.2	0.00
09/05/2022 02:20	1.3	232	16	2.0	0.00
09/05/2022 02:30	1.4	233	19	2.0	0.00
09/05/2022 02:40	1.3	223	18	1.9	0.00
09/05/2022 02:50	1.4	238	15	1.9	0.00
09/05/2022 03:00	1.4	245	8	1.6	0.00
09/05/2022 03:10	1.5	240	13	2.3	0.00
09/05/2022 03:20	2.4	237	16	3.3	0.00
09/05/2022 03:30	2.4	246	13	3.3	0.00
09/05/2022 03:40	2.0	259	12	2.8	0.00
09/05/2022 03:50	2.6	245	12	3.6	0.00
09/05/2022 04:00	2.6	251	11	3.5	0.00
09/05/2022 04:10	2.5	251	10	3.3	0.00
09/05/2022 04:20	2.3	247	11	3.1	0.00
09/05/2022 04:30	2.5	253	11	3.3	0.00
09/05/2022 04:40	2.8	256	8	3.5	0.00
09/05/2022 04:50	2.8	258	8	3.6	0.00
09/05/2022 05:00	2.0	256	9	2.5	0.00
09/05/2022 05:10	1.6	251	8	2.2	0.00
09/05/2022 05:20	1.6	246	10	2.1	0.00
09/05/2022 05:30	1.7	237	15	2.4	0.00
09/05/2022 05:40	1.3	249	11	1.8	0.00
09/05/2022 05:50	1.1	246	9	1.5	0.00
09/05/2022 06:00	1.4	257	8	1.9	0.00
09/05/2022 06:10	2.3	255	8	3.2	0.00
09/05/2022 06:20	2.1	258	8	2.7	0.00
09/05/2022 06:30	2.1	263	7	2.8	0.00
09/05/2022 06:40	2.1	263	9	2.7	0.00
09/05/2022 06:50	2.1	256	9	2.7	0.00
09/05/2022 07:00	1.9	246	10	2.4	0.00
09/05/2022 07:10	1.7	233	13	2.6	0.00
09/05/2022 07:20	1.8	232	14	2.4	0.00
09/05/2022 07:30	1.8	232	16	2.6	0.00
09/05/2022 07:40	1.7	238	20	2.4	0.00
09/05/2022 07:50	2.0	243	15	3.0	0.00
09/05/2022 08:00	2.3	241	14	3.1	0.00
09/05/2022 08:10	2.4	251	14	3.2	0.00
09/05/2022 08:20	2.4	252	18	3.5	0.00
09/05/2022 08:30	2.7	256	14	4.0	0.00
09/05/2022 08:40	2.3	253	19	3.0	0.00
09/05/2022 08:50	2.3	248	15	3.1	0.00
09/05/2022 09:00	2.1	238	13	3.3	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/05/2022 09:10	2.5	229	17	3.7	0.00
09/05/2022 09:20	2.8	230	17	3.9	0.00
09/05/2022 09:30	2.5	223	21	3.8	0.00
09/05/2022 09:40	2.4	233	22	3.6	0.00
09/05/2022 09:50	2.5	234	19	3.5	0.00
09/05/2022 10:00	4.6	283	15	6.0	0.00
09/05/2022 10:10	4.7	302	16	7.2	0.00
09/05/2022 10:20	3.9	292	16	5.4	0.00
09/05/2022 10:30	3.8	284	18	5.5	0.00
09/05/2022 10:40	3.6	270	18	5.4	0.00
09/05/2022 10:50	3.7	262	13	5.5	0.00
09/05/2022 11:00	3.7	270	17	5.1	0.00
09/05/2022 11:10	4.0	281	15	5.2	0.00
09/05/2022 11:20	4.2	267	13	5.6	0.00
09/05/2022 11:30	4.2	271	16	5.7	0.00
09/05/2022 11:40	4.6	269	15	6.3	0.00
09/05/2022 11:50	4.3	265	15	5.9	0.00
09/05/2022 12:00	3.9	265	18	5.9	0.00
09/05/2022 12:10	4.0	267	15	6.1	0.00
09/05/2022 12:20	3.9	271	16	5.4	0.00
09/05/2022 12:30	3.6	259	19	5.2	0.00
09/05/2022 12:40	4.4	261	15	6.4	0.00
09/05/2022 12:50	5.0	263	13	6.8	0.00
09/05/2022 13:00	5.2	264	11	6.4	0.00
09/05/2022 13:10	5.1	260	14	7.0	0.00
09/05/2022 13:20	4.9	259	13	6.8	0.00
09/05/2022 13:30	5.0	264	11	6.8	0.00
09/05/2022 13:40	5.4	260	14	7.3	0.00
09/05/2022 13:50	5.4	291	14	7.4	0.00
09/05/2022 14:00	6.1	267	13	7.9	0.00
09/05/2022 14:10	6.4	264	12	8.1	0.00
09/05/2022 14:20	6.9	263	11	9.5	0.00
09/05/2022 14:30	6.8	262	12	9.1	0.00
09/05/2022 14:40	6.7	261	12	8.9	0.00
09/05/2022 14:50	7.2	262	10	9.8	0.00
09/05/2022 15:00	6.2	261	14	8.7	0.00
09/05/2022 15:10	6.2	259	14	9.0	0.00
09/05/2022 15:20	6.7	260	10	9.3	0.00
09/05/2022 15:30	6.7	262	12	9.1	0.00
09/05/2022 15:40	6.7	265	12	9.1	0.00
09/05/2022 15:50	6.6	266	13	8.5	0.00
09/05/2022 16:00	6.3	264	12	8.3	0.00
09/05/2022 16:10	6.6	267	14	8.3	0.00
09/05/2022 16:20	6.5	265	13	8.4	0.00
09/05/2022 16:30	5.3	266	13	7.9	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/05/2022 16:40	6.5	263	11	8.5	0.00
09/05/2022 16:50	7.1	263	13	9.1	0.00
09/05/2022 17:00	6.7	263	12	8.9	0.00
09/05/2022 17:10	6.2	267	12	8.9	0.00
09/05/2022 17:20	6.7	265	11	8.7	0.00
09/05/2022 17:30	6.2	265	12	8.7	0.00
09/05/2022 17:40	5.9	260	11	8.3	0.00
09/05/2022 17:50	6.9	264	11	9.5	0.00
09/05/2022 18:00	6.3	263	11	8.7	0.00
09/05/2022 18:10	6.1	259	12	8.3	0.00
09/05/2022 18:20	5.9	262	10	7.8	0.00
09/05/2022 18:30	5.8	261	12	7.9	0.00
09/05/2022 18:40	6.1	261	11	8.2	0.00
09/05/2022 18:50	6.5	256	13	9.3	0.00
09/05/2022 19:00	6.6	259	10	9.1	0.00
09/05/2022 19:10	6.3	257	11	9.0	0.00
09/05/2022 19:20	6.0	256	12	8.7	0.00
09/05/2022 19:30	6.0	257	11	8.3	0.00
09/05/2022 19:40	6.8	257	12	9.2	0.00
09/05/2022 19:50	6.0	253	11	8.2	0.00
09/05/2022 20:00	5.9	256	11	7.9	0.00
09/05/2022 20:10	5.6	255	11	8.1	0.00
09/05/2022 20:20	5.6	253	11	7.8	0.00
09/05/2022 20:30	5.9	256	12	8.3	0.00
09/05/2022 20:40	5.8	254	12	7.5	0.00
09/05/2022 20:50	5.0	253	12	7.1	0.00
09/05/2022 21:00	6.0	252	11	8.3	0.00
09/05/2022 21:10	5.3	254	13	7.5	0.00
09/05/2022 21:20	5.0	252	12	7.5	0.00
09/05/2022 21:30	5.0	253	13	7.0	0.00
09/05/2022 21:40	5.7	255	13	7.9	0.00
09/05/2022 21:50	5.6	253	12	7.8	0.00
09/05/2022 22:00	5.3	255	12	7.5	0.00
09/05/2022 22:10	5.6	255	12	7.7	0.00
09/05/2022 22:20	5.1	249	14	7.8	0.00
09/05/2022 22:30	4.4	248	13	6.5	0.00
09/05/2022 22:40	4.5	254	13	6.7	0.00
09/05/2022 22:50	4.7	249	12	6.8	0.00
09/05/2022 23:00	4.8	250	11	7.3	0.00
09/05/2022 23:10	5.0	247	12	7.3	0.00
09/05/2022 23:20	4.6	244	13	6.4	0.00
09/05/2022 23:30	4.4	243	14	6.5	0.00
09/05/2022 23:40	3.9	240	13	5.8	0.00
09/05/2022 23:50	4.3	237	13	6.4	0.00
09/06/2022 00:00	3.9	237	13	6.0	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/06/2022 00:10	4.1	235	12	6.0	0.00
09/06/2022 00:20	4.0	234	14	6.0	0.00
09/06/2022 00:30	3.6	232	15	5.5	0.00
09/06/2022 00:40	3.5	233	16	5.5	0.00
09/06/2022 00:50	3.7	239	14	5.6	0.00
09/06/2022 01:00	3.1	235	13	4.7	0.00
09/06/2022 01:10	3.3	239	12	5.2	0.00
09/06/2022 01:20	3.3	238	15	5.2	0.00
09/06/2022 01:30	3.4	235	14	4.7	0.00
09/06/2022 01:40	3.9	232	14	5.4	0.00
09/06/2022 01:50	3.9	233	14	5.8	0.00
09/06/2022 02:00	3.8	232	15	5.2	0.00
09/06/2022 02:10	3.9	232	15	5.7	0.00
09/06/2022 02:20	3.8	232	14	5.4	0.00
09/06/2022 02:30	3.8	238	14	5.9	0.00
09/06/2022 02:40	3.4	236	14	5.2	0.00
09/06/2022 02:50	3.7	233	13	5.4	0.00
09/06/2022 03:00	3.5	233	14	4.6	0.00
09/06/2022 03:10	3.4	235	15	4.8	0.00
09/06/2022 03:20	3.4	234	13	5.0	0.00
09/06/2022 03:30	2.9	235	15	4.3	0.00
09/06/2022 03:40	2.1	238	15	3.2	0.00
09/06/2022 03:50	2.4	239	15	3.6	0.00
09/06/2022 04:00	2.6	247	14	3.6	0.00
09/06/2022 04:10	2.7	244	14	4.0	0.00
09/06/2022 04:20	2.5	245	14	3.6	0.00
09/06/2022 04:30	2.4	243	15	3.8	0.00
09/06/2022 04:40	2.3	241	15	3.1	0.00
09/06/2022 04:50	2.3	228	16	3.4	0.00
09/06/2022 05:00	2.3	243	12	3.2	0.00
09/06/2022 05:10	2.3	231	14	3.2	0.00
09/06/2022 05:20	3.2	224	15	4.7	0.00
09/06/2022 05:30	2.3	232	16	3.3	0.00
09/06/2022 05:40	2.3	231	17	3.5	0.00
09/06/2022 05:50	2.0	233	16	2.9	0.00
09/06/2022 06:00	1.6	235	16	2.4	0.00
09/06/2022 06:10	2.6	230	16	4.1	0.00
09/06/2022 06:20	2.6	229	15	3.6	0.00
09/06/2022 06:30	2.4	239	15	3.5	0.00
09/06/2022 06:40	3.1	263	8	4.5	0.00
09/06/2022 06:50	2.9	249	12	3.9	0.00
09/06/2022 07:00	3.2	260	11	4.1	0.00
09/06/2022 07:10	3.6	247	12	4.8	0.00
09/06/2022 07:20	3.2	236	14	4.7	0.00
09/06/2022 07:30	3.5	240	15	4.6	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/06/2022 07:40	3.3	244	11	4.4	0.00
09/06/2022 07:50	3.2	241	12	4.3	0.00
09/06/2022 08:00	3.6	239	11	4.6	0.00
09/06/2022 08:10	3.9	232	14	5.2	0.00
09/06/2022 08:20	3.5	236	16	4.4	0.00
09/06/2022 08:30	3.1	230	16	4.3	0.00
09/06/2022 08:40	3.5	231	14	5.0	0.00
09/06/2022 08:50	2.9	228	18	4.4	0.00
09/06/2022 09:00	3.2	219	25	4.8	0.00
09/06/2022 09:10	4.3	222	16	5.4	0.00
09/06/2022 09:20	3.4	219	26	5.5	0.00
09/06/2022 09:30	3.4	223	23	4.8	0.00
09/06/2022 09:40	3.0	221	30	4.4	0.00
09/06/2022 09:50	2.9	227	38	4.8	0.00
09/06/2022 10:00	2.5	213	55	4.7	0.00
09/06/2022 10:10	3.7	226	19	5.2	0.00
09/06/2022 10:20	3.3	229	27	4.8	0.00
09/06/2022 10:30	3.3	224	36	4.8	0.00
09/06/2022 10:40	3.7	241	19	6.8	0.00
09/06/2022 10:50	3.8	226	30	5.5	0.00
09/06/2022 11:00	4.6	264	17	6.6	0.00
09/06/2022 11:10	4.6	272	16	6.1	0.00
09/06/2022 11:20	4.8	268	16	7.1	0.00
09/06/2022 11:30	5.1	271	14	6.6	0.00
09/06/2022 11:40	5.5	267	16	7.5	0.00
09/06/2022 11:50	5.6	268	14	7.5	0.00
09/06/2022 12:00	5.6	265	12	7.5	0.00
09/06/2022 12:10	5.6	267	12	7.3	0.00
09/06/2022 12:20	5.9	267	14	7.9	0.00
09/06/2022 12:30	5.9	264	12	7.6	0.00
09/06/2022 12:40	6.0	263	13	8.0	0.00
09/06/2022 12:50	5.9	259	11	7.8	0.00
09/06/2022 13:00	5.8	264	12	7.9	0.00
09/06/2022 13:10	5.6	265	15	7.5	0.00
09/06/2022 13:20	5.7	266	12	7.8	0.00
09/06/2022 13:30	6.1	265	12	7.8	0.00
09/06/2022 13:40	6.2	268	12	8.2	0.00
09/06/2022 13:50	6.5	267	13	8.5	0.00
09/06/2022 14:00	6.8	264	11	8.7	0.00
09/06/2022 14:10	6.8	262	11	8.7	0.00
09/06/2022 14:20	6.9	264	12	8.8	0.00
09/06/2022 14:30	7.1	262	12	9.8	0.00
09/06/2022 14:40	6.8	265	10	9.1	0.00
09/06/2022 14:50	7.3	265	11	10.3	0.00
09/06/2022 15:00	6.3	259	15	8.5	0.00





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/06/2022 15:10	7.1	259	13	10.0	0.00
09/06/2022 15:20	6.9	261	13	9.3	0.00
09/06/2022 15:30	7.3	259	12	9.9	0.00
09/06/2022 15:40	7.5	258	13	10.2	0.00
09/06/2022 15:50	7.4	260	12	10.3	0.00
09/06/2022 16:00	7.2	261	12	9.2	0.00
09/06/2022 16:10	7.6	265	11	9.8	0.00
09/06/2022 16:20	7.4	258	13	10.5	0.00
09/06/2022 16:30	7.0	263	11	8.8	0.00
09/06/2022 16:40	7.3	260	11	9.7	0.00
09/06/2022 16:50	7.1	258	11	9.3	0.00
09/06/2022 17:00	7.5	260	12	10.0	0.00
09/06/2022 17:10	6.6	256	12	8.7	0.00
09/06/2022 17:20	6.9	264	12	9.3	0.00
09/06/2022 17:30	6.9	261	11	8.9	0.00
09/06/2022 17:40	6.7	260	10	9.3	0.00
09/06/2022 17:50	6.3	259	12	8.6	0.00
09/06/2022 18:00	6.4	260	13	8.6	0.00
09/06/2022 18:10	6.5	259	11	9.1	0.00
09/06/2022 18:20	6.1	260	11	8.0	0.00
09/06/2022 18:30	6.4	261	10	8.9	0.00
09/06/2022 18:40	6.3	257	11	9.1	0.00
09/06/2022 18:50	6.2	257	12	9.1	0.00
09/06/2022 19:00	6.5	256	11	9.4	0.00
09/06/2022 19:10	5.8	258	10	8.1	0.00
09/06/2022 19:20	6.2	258	13	8.4	0.00
09/06/2022 19:30	5.0	254	11	6.8	0.00
09/06/2022 19:40	5.8	259	10	7.8	0.00
09/06/2022 19:50	5.5	255	11	7.3	0.00
09/06/2022 20:00	4.9	254	10	6.8	0.00
09/06/2022 20:10	4.0	250	11	6.0	0.00
09/06/2022 20:20	3.2	249	13	4.5	0.00
09/06/2022 20:30	2.9	244	14	4.2	0.00
09/06/2022 20:40	2.7	249	11	3.7	0.00
09/06/2022 20:50	2.6	236	16	4.0	0.00
09/06/2022 21:00	2.6	234	13	3.8	0.00
09/06/2022 21:10	2.4	231	16	3.9	0.00
09/06/2022 21:20	2.6	229	12	3.7	0.00
09/06/2022 21:30	2.6	235	16	3.7	0.00
09/06/2022 21:40	2.6	230	14	3.6	0.00
09/06/2022 21:50	2.9	229	15	4.5	0.00
09/06/2022 22:00	2.3	234	14	3.5	0.00
09/06/2022 22:10	2.7	232	13	3.8	0.00
09/06/2022 22:20	2.3	236	14	3.2	0.00
09/06/2022 22:30	2.1	242	13	3.1	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/06/2022 22:40	1.8	244	12	2.4	0.00
09/06/2022 22:50	2.2	236	13	3.4	0.00
09/06/2022 23:00	2.4	234	11	3.2	0.00
09/06/2022 23:10	2.6	235	12	3.5	0.00
09/06/2022 23:20	2.3	234	14	3.2	0.00
09/06/2022 23:30	2.2	240	11	2.8	0.00
09/06/2022 23:40	2.3	238	11	3.2	0.00
09/06/2022 23:50	2.5	233	11	3.3	0.00
09/07/2022 00:00	2.3	238	14	3.3	0.00
09/07/2022 00:10	2.1	236	14	3.2	0.00
09/07/2022 00:20	1.8	239	14	2.5	0.00
09/07/2022 00:30	1.7	242	14	2.2	0.00
09/07/2022 00:40	2.1	238	11	2.7	0.00
09/07/2022 00:50	2.2	244	11	2.8	0.00
09/07/2022 01:00	2.5	248	11	3.1	0.00
09/07/2022 01:10	2.2	246	11	2.8	0.00
09/07/2022 01:20	2.6	238	11	3.3	0.00
09/07/2022 01:30	2.0	239	13	2.7	0.00
09/07/2022 01:40	2.0	249	12	2.5	0.00
09/07/2022 01:50	1.5	240	14	2.3	0.00
09/07/2022 02:00	0.2	124	35	0.7	0.00
09/07/2022 02:10	0.8	36	14	1.2	0.00
09/07/2022 02:20	0.2	202	40	0.7	0.00
09/07/2022 02:30	0.7	139	35	1.3	0.00
09/07/2022 02:40	1.4	233	19	1.8	0.00
09/07/2022 02:50	1.5	231	21	2.3	0.00
09/07/2022 03:00	1.9	230	17	2.7	0.00
09/07/2022 03:10	1.7	236	14	2.3	0.00
09/07/2022 03:20	1.5	242	14	2.0	0.00
09/07/2022 03:30	2.0	245	10	3.1	0.00
09/07/2022 03:40	0.8	232	22	1.4	0.00
09/07/2022 03:50	0.9	245	20	1.2	0.00
09/07/2022 04:00	0.9	271	14	1.2	0.00
09/07/2022 04:10	0.9	273	12	1.1	0.00
09/07/2022 04:20	0.9	277	12	1.2	0.00
09/07/2022 04:30	0.8	263	16	1.1	0.00
09/07/2022 04:40	0.6	289	18	0.8	0.00
09/07/2022 04:50	1.1	287	14	1.5	0.00
09/07/2022 05:00	1.0	279	15	1.5	0.00
09/07/2022 05:10	1.3	253	15	1.8	0.00
09/07/2022 05:20	1.0	276	13	1.5	0.00
09/07/2022 05:30	1.3	258	15	1.8	0.00
09/07/2022 05:40	1.1	264	12	1.6	0.00
09/07/2022 05:50	1.6	255	12	2.2	0.00
09/07/2022 06:00	1.3	257	14	1.7	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/07/2022 06:10	0.9	283	12	1.2	0.00
09/07/2022 06:20	0.7	296	24	1.0	0.00
09/07/2022 06:30	0.9	301	23	1.4	0.00
09/07/2022 06:40	1.3	289	9	1.5	0.00
09/07/2022 06:50	1.0	281	11	1.4	0.00
09/07/2022 07:00	1.0	265	17	1.6	0.00
09/07/2022 07:10	0.5	234	19	0.9	0.00
09/07/2022 07:20	0.5	223	12	1.2	0.00
09/07/2022 07:30	0.9	238	21	2.4	0.00
09/07/2022 07:40	1.9	223	39	3.2	0.00
09/07/2022 07:50	2.7	215	26	4.0	0.00
09/07/2022 08:00	2.0	225	42	3.7	0.00
09/07/2022 08:10	1.6	255	75	2.7	0.00
09/07/2022 08:20	1.8	197	88	3.4	0.00
09/07/2022 08:30	1.7	167	80	3.2	0.00
09/07/2022 08:40	1.8	56	91	3.0	0.00
09/07/2022 08:50	2.2	257	86	4.5	0.00
09/07/2022 09:00	2.2	230	82	4.0	0.00
09/07/2022 09:10	2.1	93	80	3.6	0.00
09/07/2022 09:20	2.8	137	78	4.9	0.00
09/07/2022 09:30	2.8	183	62	4.6	0.00
09/07/2022 09:40	2.8	131	44	5.2	0.00
09/07/2022 09:50	2.3	119	56	3.5	0.00
09/07/2022 10:00	2.9	138	29	4.7	0.00
09/07/2022 10:10	3.3	133	20	5.2	0.00
09/07/2022 10:20	3.1	115	18	4.6	0.00
09/07/2022 10:30	2.6	119	28	3.7	0.00
09/07/2022 10:40	2.6	111	40	4.4	0.00
09/07/2022 10:50	3.5	91	16	5.1	0.00
09/07/2022 11:00	2.7	111	23	4.3	0.00
09/07/2022 11:10	2.6	169	40	4.0	0.00
09/07/2022 11:20	2.4	232	29	3.7	0.00
09/07/2022 11:30	2.0	242	42	3.9	0.00
09/07/2022 11:40	2.8	332	37	4.5	0.00
09/07/2022 11:50	3.8	300	15	5.5	0.00
09/07/2022 12:00	3.4	300	23	5.1	0.00
09/07/2022 12:10	2.6	343	39	4.5	0.00
09/07/2022 12:20	3.0	317	26	4.3	0.00
09/07/2022 12:30	3.8	301	16	5.2	0.00
09/07/2022 12:40	3.2	323	16	4.8	0.00
09/07/2022 12:50	2.8	317	23	4.1	0.00
09/07/2022 13:00	2.8	335	32	4.8	0.00
09/07/2022 13:10	3.4	314	20	5.5	0.00
09/07/2022 13:20	3.5	304	16	5.0	0.00
09/07/2022 13:30	3.3	302	19	5.2	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/07/2022 13:40	3.4	297	19	5.2	0.00
09/07/2022 13:50	3.2	170	28	5.3	0.00
09/07/2022 14:00	3.1	355	20	4.8	0.00
09/07/2022 14:10	3.1	341	24	5.0	0.00
09/07/2022 14:20	3.5	353	27	5.7	0.00
09/07/2022 14:30	3.4	175	23	5.6	0.00
09/07/2022 14:40	3.7	5	19	5.9	0.00
09/07/2022 14:50	3.9	171	21	5.5	0.00
09/07/2022 15:00	3.5	180	26	5.8	0.00
09/07/2022 15:10	4.1	352	19	6.0	0.00
09/07/2022 15:20	4.0	352	22	6.0	0.00
09/07/2022 15:30	4.1	182	22	6.8	0.00
09/07/2022 15:40	3.8	353	22	5.9	0.00
09/07/2022 15:50	3.7	348	25	5.3	0.00
09/07/2022 16:00	3.2	349	26	4.9	0.00
09/07/2022 16:10	3.2	326	21	5.2	0.00
09/07/2022 16:20	4.0	307	16	6.0	0.00
09/07/2022 16:30	3.7	314	20	5.6	0.00
09/07/2022 16:40	3.2	321	25	4.7	0.00
09/07/2022 16:50	3.3	312	19	5.3	0.00
09/07/2022 17:00	3.4	312	21	5.8	0.00
09/07/2022 17:10	3.4	308	17	5.2	0.00
09/07/2022 17:20	4.3	300	15	6.0	0.00
09/07/2022 17:30	4.0	304	14	5.8	0.00
09/07/2022 17:40	3.7	301	13	5.5	0.00
09/07/2022 17:50	3.9	297	13	5.6	0.00
09/07/2022 18:00	4.0	296	14	5.5	0.00
09/07/2022 18:10	3.8	296	13	5.1	0.00
09/07/2022 18:20	3.9	288	13	5.3	0.00
09/07/2022 18:30	3.8	297	13	5.1	0.00
09/07/2022 18:40	3.5	285	15	4.8	0.00
09/07/2022 18:50	3.0	279	17	4.1	0.00
09/07/2022 19:00	3.4	273	14	4.8	0.00
09/07/2022 19:10	3.3	270	14	4.5	0.00
09/07/2022 19:20	3.5	269	12	4.8	0.00
09/07/2022 19:30	3.4	269	12	4.5	0.00
09/07/2022 19:40	3.3	266	12	4.4	0.00
09/07/2022 19:50	3.7	266	12	4.8	0.00
09/07/2022 20:00	3.5	264	10	4.8	0.00
09/07/2022 20:10	3.5	264	12	4.6	0.00
09/07/2022 20:20	3.6	265	10	4.5	0.00
09/07/2022 20:30	3.6	264	9	5.2	0.00
09/07/2022 20:40	3.8	261	11	5.3	0.00
09/07/2022 20:50	3.9	262	9	5.0	0.00
09/07/2022 21:00	4.1	262	9	5.2	0.00



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/07/2022 21:10	4.3	263	10	5.5	0.00
09/07/2022 21:20	4.1	261	9	5.3	0.00
09/07/2022 21:30	4.2	265	10	5.2	0.00
09/07/2022 21:40	4.0	264	11	5.4	0.00
09/07/2022 21:50	4.0	262	10	5.2	0.00
09/07/2022 22:00	3.5	259	9	4.6	0.00
09/07/2022 22:10	3.8	260	13	4.8	0.00
09/07/2022 22:20	4.1	260	9	5.2	0.00
09/07/2022 22:30	3.7	260	10	5.0	0.00
09/07/2022 22:40	4.2	263	10	5.5	0.00
09/07/2022 22:50	3.7	260	10	4.8	0.00
09/07/2022 23:00	3.3	254	11	4.7	0.00
09/07/2022 23:10	3.6	261	10	4.9	0.00
09/07/2022 23:20	3.5	256	11	4.8	0.00
09/07/2022 23:30	3.9	257	10	4.8	0.00
09/07/2022 23:40	3.6	257	9	4.5	0.00
09/07/2022 23:50	3.6	257	12	4.6	0.00
09/08/2022 00:00	3.8	257	11	4.9	0.00
09/08/2022 00:10	4.3	258	10	6.4	0.00
09/08/2022 00:20	4.8	254	12	6.4	0.00
09/08/2022 00:30	4.3	259	13	5.5	0.00
09/08/2022 00:40	4.5	259	10	6.0	0.00
09/08/2022 00:50	4.9	261	10	6.3	0.00
09/08/2022 01:00	4.4	261	10	5.7	0.00
09/08/2022 01:10	4.4	263	11	5.8	0.00
09/08/2022 01:20	4.9	261	8	6.7	0.00
09/08/2022 01:30	3.9	263	10	5.3	0.00
09/08/2022 01:40	4.6	262	9	6.0	0.00
09/08/2022 01:50	3.6	259	11	5.0	0.00
09/08/2022 02:00	4.0	258	9	5.6	0.00
09/08/2022 02:10	4.0	253	11	5.2	0.00
09/08/2022 02:20	3.4	248	11	5.2	0.00
09/08/2022 02:30	2.2	245	10	3.0	0.00
09/08/2022 02:40	2.3	248	11	3.3	0.00
09/08/2022 02:50	2.2	252	13	3.4	0.00
09/08/2022 03:00	3.2	255	10	4.2	0.00
09/08/2022 03:10	3.4	256	11	4.6	0.00
09/08/2022 03:20	4.1	257	9	5.6	0.00
09/08/2022 03:30	3.6	252	10	4.6	0.00
09/08/2022 03:40	1.2	209	40	1.9	0.00
09/08/2022 03:50	0.3	196	45	0.7	0.00
09/08/2022 04:00	0.4	265	16	0.9	0.00
09/08/2022 04:10	0.6	273	35	1.0	0.00
09/08/2022 04:20	0.2	168	2	0.8	0.00
09/08/2022 04:30	1.0	301	7	1.2	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/08/2022 04:40	0.9	299	6	1.2	0.00
09/08/2022 04:50	0.2	168	13	0.7	0.00
09/08/2022 05:00	0.9	43	10	1.2	0.00
09/08/2022 05:10	0.4	138	30	1.2	0.00
09/08/2022 05:20	0.7	76	27	1.1	0.00
09/08/2022 05:30	0.8	55	26	1.6	0.00
09/08/2022 05:40	0.7	81	19	1.2	0.00
09/08/2022 05:50	0.5	57	4	1.3	0.00
09/08/2022 06:00	0.3	69	8	0.8	0.00
09/08/2022 06:10	0.6	77	17	1.0	0.00
09/08/2022 06:20	0.4	144	10	1.0	0.00
09/08/2022 06:30	0.6	97	31	1.3	0.00
09/08/2022 06:40	1.0	104	17	1.6	0.00
09/08/2022 06:50	1.7	117	14	2.8	0.00
09/08/2022 07:00	1.8	120	14	2.8	0.00
09/08/2022 07:10	1.9	117	12	2.6	0.00
09/08/2022 07:20	2.2	116	14	3.3	0.00
09/08/2022 07:30	2.4	90	12	3.2	0.00
09/08/2022 07:40	2.2	84	12	2.9	0.00
09/08/2022 07:50	2.6	90	14	3.3	0.00
09/08/2022 08:00	2.7	97	11	3.6	0.00
09/08/2022 08:10	2.4	107	17	3.5	0.00
09/08/2022 08:20	2.1	100	16	2.8	0.00
09/08/2022 08:30	2.2	86	14	3.1	0.00
09/08/2022 08:40	2.4	90	13	3.2	0.00
09/08/2022 08:50	2.4	99	14	3.4	0.00
09/08/2022 09:00	2.3	95	17	3.3	0.00
09/08/2022 09:10	2.3	117	16	3.2	0.00
09/08/2022 09:20	2.7	111	14	3.7	0.00
09/08/2022 09:30	2.9	98	13	4.0	0.00
09/08/2022 09:40	2.8	100	18	4.2	0.00
09/08/2022 09:50	2.8	109	18	4.8	0.00
09/08/2022 10:00	2.9	111	23	4.4	0.00
09/08/2022 10:10	3.6	97	13	5.2	0.00
09/08/2022 10:20	3.5	77	14	4.8	0.00
09/08/2022 10:30	3.6	82	14	4.8	0.00
09/08/2022 10:40	3.7	90	13	5.1	0.00
09/08/2022 10:50	3.8	78	10	5.0	0.00
09/08/2022 11:00	3.9	83	13	5.4	0.00
09/08/2022 11:10	3.7	85	11	5.2	0.00
09/08/2022 11:20	3.7	89	12	5.3	0.00
09/08/2022 11:30	3.7	90	18	5.1	0.00
09/08/2022 11:40	3.6	95	17	5.0	0.00
09/08/2022 11:50	4.2	70	15	6.0	0.00
09/08/2022 12:00	4.1	66	16	6.0	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/08/2022 12:10	4.6	71	14	6.8	0.00
09/08/2022 12:20	4.7	88	13	6.4	0.00
09/08/2022 12:30	4.3	88	11	6.1	0.00
09/08/2022 12:40	4.5	88	13	6.0	0.00
09/08/2022 12:50	4.5	83	15	6.6	0.00
09/08/2022 13:00	5.2	88	10	6.6	0.00
09/08/2022 13:10	4.7	83	13	6.8	0.00
09/08/2022 13:20	4.2	83	15	5.9	0.00
09/08/2022 13:30	4.5	82	15	6.0	0.00
09/08/2022 13:40	4.6	88	14	6.3	0.00
09/08/2022 13:50	4.0	76	16	5.7	0.00
09/08/2022 14:00	4.3	77	14	5.9	0.00
09/08/2022 14:10	4.5	87	15	6.0	0.00
09/08/2022 14:20	4.6	80	13	6.4	0.00
09/08/2022 14:30	4.4	86	14	6.0	0.00
09/08/2022 14:40	3.9	78	18	5.5	0.00
09/08/2022 14:50	3.5	84	14	5.0	0.00
09/08/2022 15:00	2.8	39	33	5.6	0.00
09/08/2022 15:10	2.4	184	31	4.8	0.00
09/08/2022 15:20	2.2	28	34	4.3	0.00
09/08/2022 15:30	2.3	188	43	4.3	0.00
09/08/2022 15:40	2.8	9	26	4.2	0.00
09/08/2022 15:50	2.5	8	36	4.2	0.00
09/08/2022 16:00	2.3	19	24	3.4	0.00
09/08/2022 16:10	2.2	183	26	3.6	0.00
09/08/2022 16:20	2.4	179	22	3.6	0.00
09/08/2022 16:30	2.4	4	22	3.9	0.00
09/08/2022 16:40	2.6	179	20	3.5	0.00
09/08/2022 16:50	2.5	356	24	3.8	0.00
09/08/2022 17:00	2.6	177	21	3.7	0.00
09/08/2022 17:10	2.8	11	16	4.1	0.00
09/08/2022 17:20	2.7	9	23	4.0	0.00
09/08/2022 17:30	2.3	344	23	3.4	0.00
09/08/2022 17:40	2.3	176	22	3.8	0.00
09/08/2022 17:50	2.8	7	18	4.1	0.00
09/08/2022 18:00	2.7	6	15	3.9	0.00
09/08/2022 18:10	2.9	27	14	4.0	0.00
09/08/2022 18:20	2.1	18	20	3.5	0.00
09/08/2022 18:30	2.1	19	17	2.9	0.00
09/08/2022 18:40	2.6	13	15	3.9	0.00
09/08/2022 18:50	2.4	14	15	3.6	0.00
09/08/2022 19:00	2.5	19	18	3.8	0.00
09/08/2022 19:10	1.8	179	27	3.2	0.00
09/08/2022 19:20	2.3	4	24	3.5	0.00
09/08/2022 19:30	1.9	345	27	2.8	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/08/2022 19:40	1.4	341	30	2.6	0.00
09/08/2022 19:50	2.0	328	25	3.1	0.00
09/08/2022 20:00	1.9	329	30	4.0	0.00
09/08/2022 20:10	1.7	339	32	3.2	0.00
09/08/2022 20:20	2.6	304	17	4.5	0.00
09/08/2022 20:30	3.3	301	13	4.6	0.00
09/08/2022 20:40	3.3	297	14	4.8	0.00
09/08/2022 20:50	3.1	293	16	4.3	0.00
09/08/2022 21:00	2.8	276	17	4.0	0.00
09/08/2022 21:10	2.9	281	15	4.0	0.00
09/08/2022 21:20	3.1	283	15	4.3	0.00
09/08/2022 21:30	3.0	278	14	4.4	0.00
09/08/2022 21:40	3.0	269	13	3.9	0.00
09/08/2022 21:50	3.1	263	8	4.0	0.00
09/08/2022 22:00	3.2	257	9	4.0	0.00
09/08/2022 22:10	3.1	260	9	4.1	0.00
09/08/2022 22:20	3.1	260	10	3.9	0.00
09/08/2022 22:30	3.1	260	8	3.9	0.00
09/08/2022 22:40	2.6	263	9	3.6	0.00
09/08/2022 22:50	2.7	260	7	3.2	0.00
09/08/2022 23:00	2.6	260	8	3.4	0.00
09/08/2022 23:10	2.7	255	8	3.3	0.00
09/08/2022 23:20	2.6	256	8	3.2	0.00
09/08/2022 23:30	2.6	255	8	3.1	0.00
09/08/2022 23:40	2.3	259	10	3.5	0.00
09/08/2022 23:50	2.8	266	12	3.5	0.00
09/09/2022 00:00	2.9	261	9	3.5	0.00
09/09/2022 00:10	2.8	263	9	3.8	0.00
09/09/2022 00:20	2.6	265	12	3.2	0.00
09/09/2022 00:30	2.8	264	11	3.6	0.00
09/09/2022 00:40	2.7	269	13	3.8	0.00
09/09/2022 00:50	3.0	271	15	4.1	0.00
09/09/2022 01:00	3.1	271	14	4.0	0.00
09/09/2022 01:10	2.7	269	14	3.7	0.00
09/09/2022 01:20	2.8	272	14	3.9	0.00
09/09/2022 01:30	2.7	264	12	3.9	0.00
09/09/2022 01:40	3.1	266	11	4.0	0.00
09/09/2022 01:50	3.2	268	12	4.1	0.00
09/09/2022 02:00	3.2	262	10	4.0	0.00
09/09/2022 02:10	3.0	263	9	3.8	0.00
09/09/2022 02:20	3.3	261	8	4.4	0.00
09/09/2022 02:30	3.4	261	9	4.5	0.00
09/09/2022 02:40	3.1	261	9	3.8	0.00
09/09/2022 02:50	3.3	261	8	4.3	0.00
09/09/2022 03:00	3.2	264	10	4.3	0.00





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/09/2022 03:10	3.3	261	10	4.3	0.00
09/09/2022 03:20	2.8	262	11	3.9	0.00
09/09/2022 03:30	2.9	261	9	3.7	0.00
09/09/2022 03:40	3.3	261	9	4.0	0.00
09/09/2022 03:50	3.3	261	9	4.4	0.00
09/09/2022 04:00	3.7	263	8	4.8	0.00
09/09/2022 04:10	3.4	264	10	4.7	0.00
09/09/2022 04:20	3.5	264	11	4.5	0.00
09/09/2022 04:30	2.9	268	13	4.7	0.00
09/09/2022 04:40	2.9	272	12	4.1	0.00
09/09/2022 04:50	2.8	267	12	4.0	0.00
09/09/2022 05:00	2.9	265	10	3.7	0.00
09/09/2022 05:10	3.0	265	11	3.8	0.00
09/09/2022 05:20	2.5	268	12	3.7	0.00
09/09/2022 05:30	2.2	254	13	3.2	0.00
09/09/2022 05:40	1.7	242	9	2.2	0.00
09/09/2022 05:50	1.7	249	9	2.2	0.00
09/09/2022 06:00	1.4	233	11	1.8	0.00
09/09/2022 06:10	0.5	175	60	1.1	0.00
09/09/2022 06:20	0.5	235	10	1.6	0.00
09/09/2022 06:30	1.2	224	8	1.6	0.00
09/09/2022 06:40	1.3	239	8	1.6	0.00
09/09/2022 06:50	1.2	232	9	1.5	0.00
09/09/2022 07:00	0.4	231	9	0.9	0.00
09/09/2022 07:10	0.8	235	13	1.2	0.00
09/09/2022 07:20	0.4	133	4	0.8	0.00
09/09/2022 07:30	0.2	99	5	0.8	0.00
09/09/2022 07:40	0.5	112	7	1.0	0.00
09/09/2022 07:50	1.2	100	13	1.7	0.00
09/09/2022 08:00	1.3	77	16	1.8	0.00
09/09/2022 08:10	0.7	157	58	1.6	0.00
09/09/2022 08:20	1.1	206	59	1.9	0.00
09/09/2022 08:30	1.2	244	17	2.0	0.00
09/09/2022 08:40	1.0	243	14	1.6	0.00
09/09/2022 08:50	0.7	239	25	1.0	0.00
09/09/2022 09:00	1.4	230	22	2.0	0.00
09/09/2022 09:10	2.0	237	20	2.8	0.00
09/09/2022 09:20	2.7	256	14	3.7	0.00
09/09/2022 09:30	3.2	248	12	4.5	0.00
09/09/2022 09:40	3.2	243	13	4.7	0.00
09/09/2022 09:50	3.3	243	15	4.3	0.00
09/09/2022 10:00	3.7	254	12	5.0	0.00
09/09/2022 10:10	3.2	274	16	4.8	0.00
09/09/2022 10:20	3.6	267	17	4.8	0.00
09/09/2022 10:30	2.9	274	16	3.9	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/09/2022 10:40	3.5	280	18	4.6	0.00
09/09/2022 10:50	3.6	296	14	5.2	0.00
09/09/2022 11:00	3.3	275	15	5.3	0.00
09/09/2022 11:10	3.9	265	14	5.1	0.00
09/09/2022 11:20	3.6	271	19	5.2	0.00
09/09/2022 11:30	3.7	274	19	5.6	0.00
09/09/2022 11:40	3.6	247	18	5.0	0.00
09/09/2022 11:50	3.6	247	14	5.0	0.00
09/09/2022 12:00	3.5	242	13	4.9	0.00
09/09/2022 12:10	3.5	242	17	4.8	0.00
09/09/2022 12:20	3.0	251	25	4.3	0.00
09/09/2022 12:30	4.0	243	13	5.2	0.00
09/09/2022 12:40	3.9	239	14	5.5	0.00
09/09/2022 12:50	3.8	255	17	5.1	0.00
09/09/2022 13:00	4.1	244	14	5.7	0.00
09/09/2022 13:10	4.0	244	13	5.6	0.00
09/09/2022 13:20	4.5	250	14	6.9	0.00
09/09/2022 13:30	4.7	248	17	6.6	0.00
09/09/2022 13:40	4.6	253	14	6.3	0.00
09/09/2022 13:50	4.7	259	14	6.2	0.00
09/09/2022 14:00	4.4	254	17	5.9	0.00
09/09/2022 14:10	4.6	252	13	6.2	0.00
09/09/2022 14:20	5.2	251	13	6.9	0.00
09/09/2022 14:30	4.8	250	12	6.4	0.00
09/09/2022 14:40	4.7	250	14	6.4	0.00
09/09/2022 14:50	4.7	257	13	6.5	0.00
09/09/2022 15:00	4.7	259	12	6.4	0.00
09/09/2022 15:10	5.5	251	11	7.5	0.00
09/09/2022 15:20	5.1	254	13	6.6	0.00
09/09/2022 15:30	4.9	257	14	7.0	0.00
09/09/2022 15:40	5.3	260	13	7.2	0.00
09/09/2022 15:50	5.2	263	13	7.0	0.00
09/09/2022 16:00	4.8	265	11	6.6	0.00
09/09/2022 16:10	5.5	261	10	7.2	0.00
09/09/2022 16:20	5.3	265	11	7.1	0.00
09/09/2022 16:30	5.2	258	12	6.9	0.00
09/09/2022 16:40	4.9	259	11	6.9	0.00
09/09/2022 16:50	5.6	262	12	7.5	0.00
09/09/2022 17:00	5.3	260	13	7.5	0.00
09/09/2022 17:10	5.1	261	12	7.1	0.00
09/09/2022 17:20	5.1	255	11	7.2	0.00
09/09/2022 17:30	5.0	259	11	7.2	0.00
09/09/2022 17:40	5.4	260	13	6.8	0.00
09/09/2022 17:50	4.8	264	12	6.5	0.00
09/09/2022 18:00	4.8	264	10	6.6	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/09/2022 18:10	4.7	263	10	6.8	0.00
09/09/2022 18:20	4.9	264	12	6.5	0.00
09/09/2022 18:30	5.1	262	10	6.8	0.00
09/09/2022 18:40	4.3	259	13	6.0	0.00
09/09/2022 18:50	4.3	260	12	6.0	0.00
09/09/2022 19:00	4.1	259	11	5.8	0.00
09/09/2022 19:10	5.0	263	11	6.5	0.00
09/09/2022 19:20	4.9	263	10	6.6	0.00
09/09/2022 19:30	4.2	262	11	5.9	0.00
09/09/2022 19:40	4.5	263	11	6.0	0.00
09/09/2022 19:50	5.0	261	10	6.5	0.00
09/09/2022 20:00	5.5	259	12	7.3	0.00
09/09/2022 20:10	5.3	258	12	7.5	0.00
09/09/2022 20:20	5.5	254	12	7.2	0.00
09/09/2022 20:30	5.3	256	11	7.4	0.00
09/09/2022 20:40	5.5	257	12	7.4	0.00
09/09/2022 20:50	5.8	263	10	7.6	0.00
09/09/2022 21:00	5.7	259	12	7.8	0.00
09/09/2022 21:10	4.9	257	13	7.0	0.00
09/09/2022 21:20	5.4	261	11	8.1	0.00
09/09/2022 21:30	5.7	261	11	7.4	0.00
09/09/2022 21:40	5.5	257	11	7.7	0.00
09/09/2022 21:50	4.6	257	13	6.4	0.00
09/09/2022 22:00	4.8	258	14	6.1	0.00
09/09/2022 22:10	5.4	253	12	7.6	0.00
09/09/2022 22:20	5.1	255	13	7.2	0.00
09/09/2022 22:30	5.2	254	12	7.3	0.00
09/09/2022 22:40	5.2	256	12	7.2	0.00
09/09/2022 22:50	4.3	254	14	6.1	0.00
09/09/2022 23:00	4.3	255	11	5.9	0.00
09/09/2022 23:10	4.1	253	12	5.2	0.00
09/09/2022 23:20	4.0	252	11	5.4	0.00
09/09/2022 23:30	2.9	249	12	4.0	0.00
09/09/2022 23:40	2.2	241	11	3.2	0.00
09/09/2022 23:50	2.4	243	11	3.4	0.00
09/10/2022 00:00	2.4	250	10	3.2	0.00
09/10/2022 00:10	2.8	248	11	3.9	0.00
09/10/2022 00:20	2.8	247	12	3.6	0.00
09/10/2022 00:30	3.0	249	10	4.1	0.00
09/10/2022 00:40	2.9	244	14	4.0	0.00
09/10/2022 00:50	3.0	246	12	4.1	0.00
09/10/2022 01:00	3.1	249	14	4.6	0.00
09/10/2022 01:10	2.9	241	14	4.7	0.00
09/10/2022 01:20	3.1	239	13	4.6	0.00
09/10/2022 01:30	2.9	238	13	4.8	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/10/2022 01:40	3.6	234	15	5.2	0.00
09/10/2022 01:50	3.3	233	14	4.8	0.00
09/10/2022 02:00	4.1	237	13	5.9	0.00
09/10/2022 02:10	3.9	241	14	6.0	0.00
09/10/2022 02:20	4.3	240	12	6.1	0.00
09/10/2022 02:30	4.9	238	14	6.8	0.00
09/10/2022 02:40	4.8	236	13	7.5	0.00
09/10/2022 02:50	4.1	239	15	6.0	0.00
09/10/2022 03:00	4.1	242	16	6.0	0.00
09/10/2022 03:10	4.4	237	13	6.4	0.00
09/10/2022 03:20	4.3	233	15	5.8	0.00
09/10/2022 03:30	4.5	235	13	6.8	0.00
09/10/2022 03:40	5.1	235	14	7.9	0.00
09/10/2022 03:50	5.0	236	11	6.8	0.00
09/10/2022 04:00	4.3	236	14	6.8	0.00
09/10/2022 04:10	4.2	233	15	6.5	0.00
09/10/2022 04:20	4.2	235	15	6.3	0.00
09/10/2022 04:30	3.7	241	14	5.2	0.00
09/10/2022 04:40	3.4	239	14	5.0	0.00
09/10/2022 04:50	3.0	241	14	4.2	0.00
09/10/2022 05:00	2.7	242	15	4.0	0.00
09/10/2022 05:10	2.6	237	13	3.7	0.00
09/10/2022 05:20	2.9	233	16	4.5	0.00
09/10/2022 05:30	3.1	230	15	4.3	0.00
09/10/2022 05:40	3.2	230	13	4.8	0.00
09/10/2022 05:50	2.9	227	14	4.4	0.00
09/10/2022 06:00	2.9	233	15	4.1	0.00
09/10/2022 06:10	2.8	234	16	4.0	0.00
09/10/2022 06:20	2.5	231	15	3.6	0.00
09/10/2022 06:30	2.6	233	15	4.0	0.00
09/10/2022 06:40	2.5	230	13	3.4	0.00
09/10/2022 06:50	2.3	230	15	3.2	0.00
09/10/2022 07:00	3.0	235	10	4.3	0.00
09/10/2022 07:10	3.0	231	15	4.1	0.00
09/10/2022 07:20	2.8	227	16	4.0	0.00
09/10/2022 07:30	3.1	225	18	4.4	0.00
09/10/2022 07:40	3.0	231	15	4.2	0.00
09/10/2022 07:50	3.1	229	16	4.4	0.00
09/10/2022 08:00	2.9	227	16	4.2	0.00
09/10/2022 08:10	2.8	228	13	4.0	0.00
09/10/2022 08:20	3.1	227	15	4.4	0.00
09/10/2022 08:30	3.4	228	17	4.8	0.00
09/10/2022 08:40	3.6	230	17	5.2	0.00
09/10/2022 08:50	3.5	235	15	4.8	0.00
09/10/2022 09:00	4.2	230	15	6.0	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/10/2022 09:10	4.4	230	14	6.1	0.00
09/10/2022 09:20	4.8	227	17	6.4	0.00
09/10/2022 09:30	4.5	230	15	6.4	0.00
09/10/2022 09:40	4.6	227	19	6.2	0.00
09/10/2022 09:50	4.6	233	13	6.6	0.00
09/10/2022 10:00	4.4	223	13	6.2	0.00
09/10/2022 10:10	4.6	224	16	6.8	0.00
09/10/2022 10:20	4.3	228	19	6.6	0.00
09/10/2022 10:30	4.1	239	13	6.0	0.00
09/10/2022 10:40	4.0	257	19	5.9	0.00
09/10/2022 10:50	4.3	261	19	6.8	0.00
09/10/2022 11:00	4.7	270	13	6.3	0.00
09/10/2022 11:10	5.2	270	14	7.2	0.00
09/10/2022 11:20	5.4	266	13	6.8	0.00
09/10/2022 11:30	5.5	263	12	7.2	0.00
09/10/2022 11:40	5.8	263	14	7.8	0.00
09/10/2022 11:50	5.7	266	13	7.6	0.00
09/10/2022 12:00	5.7	265	13	7.5	0.00
09/10/2022 12:10	5.8	265	12	7.4	0.00
09/10/2022 12:20	6.0	266	13	7.6	0.00
09/10/2022 12:30	6.2	264	11	7.9	0.00
09/10/2022 12:40	5.8	255	14	7.8	0.00
09/10/2022 12:50	5.7	257	13	7.7	0.00
09/10/2022 13:00	5.6	259	13	8.3	0.00
09/10/2022 13:10	5.8	256	12	7.8	0.00
09/10/2022 13:20	5.8	262	13	7.8	0.00
09/10/2022 13:30	5.7	267	12	7.9	0.00
09/10/2022 13:40	5.8	263	11	7.7	0.00
09/10/2022 13:50	6.6	262	10	8.4	0.00
09/10/2022 14:00	5.6	256	13	8.1	0.00
09/10/2022 14:10	5.8	264	13	7.7	0.00
09/10/2022 14:20	6.0	265	14	7.9	0.00
09/10/2022 14:30	6.2	270	14	8.0	0.00
09/10/2022 14:40	6.5	263	12	8.4	0.00
09/10/2022 14:50	5.5	265	13	7.3	0.00
09/10/2022 15:00	5.6	264	13	7.7	0.00
09/10/2022 15:10	6.1	265	13	8.3	0.00
09/10/2022 15:20	6.4	261	12	8.0	0.00
09/10/2022 15:30	5.5	261	13	7.4	0.00
09/10/2022 15:40	6.0	265	11	7.9	0.00
09/10/2022 15:50	6.0	260	12	7.3	0.00
09/10/2022 16:00	6.1	263	11	8.6	0.00
09/10/2022 16:10	6.0	263	12	7.9	0.00
09/10/2022 16:20	6.2	261	13	8.3	0.00
09/10/2022 16:30	5.9	261	12	7.7	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/10/2022 16:40	6.4	260	9	7.8	0.00
09/10/2022 16:50	5.8	263	11	7.9	0.00
09/10/2022 17:00	6.3	264	10	7.7	0.00
09/10/2022 17:10	5.8	264	10	8.1	0.00
09/10/2022 17:20	5.8	262	11	7.2	0.00
09/10/2022 17:30	5.9	263	10	7.8	0.00
09/10/2022 17:40	5.7	261	11	7.5	0.00
09/10/2022 17:50	5.3	263	10	7.5	0.00
09/10/2022 18:00	4.8	265	13	6.5	0.00
09/10/2022 18:10	5.9	262	9	7.6	0.00
09/10/2022 18:20	4.9	264	11	6.3	0.00
09/10/2022 18:30	5.1	260	11	7.2	0.00
09/10/2022 18:40	5.2	264	11	7.2	0.00
09/10/2022 18:50	4.8	263	12	6.1	0.00
09/10/2022 19:00	4.9	259	11	6.4	0.00
09/10/2022 19:10	4.4	263	10	6.3	0.00
09/10/2022 19:20	5.0	258	10	7.2	0.00
09/10/2022 19:30	5.2	258	12	7.6	0.00
09/10/2022 19:40	4.8	256	11	6.9	0.00
09/10/2022 19:50	4.6	254	12	6.3	0.00
09/10/2022 20:00	4.4	255	12	7.0	0.00
09/10/2022 20:10	4.8	254	11	6.8	0.00
09/10/2022 20:20	5.3	256	12	6.9	0.00
09/10/2022 20:30	5.0	255	11	6.5	0.00
09/10/2022 20:40	5.1	254	12	6.4	0.00
09/10/2022 20:50	5.0	254	13	7.5	0.00
09/10/2022 21:00	5.2	254	11	7.0	0.00
09/10/2022 21:10	4.8	253	13	6.7	0.00
09/10/2022 21:20	5.3	255	10	7.5	0.00
09/10/2022 21:30	4.5	250	14	6.4	0.00
09/10/2022 21:40	4.4	254	13	6.0	0.00
09/10/2022 21:50	4.7	254	12	6.8	0.00
09/10/2022 22:00	4.7	255	12	6.7	0.00
09/10/2022 22:10	4.2	253	11	6.1	0.00
09/10/2022 22:20	4.0	244	14	6.2	0.00
09/10/2022 22:30	5.0	245	12	6.9	0.00
09/10/2022 22:40	4.4	243	13	6.0	0.00
09/10/2022 22:50	4.7	243	14	7.1	0.00
09/10/2022 23:00	4.5	250	13	6.4	0.00
09/10/2022 23:10	4.4	252	10	6.2	0.00
09/10/2022 23:20	4.0	252	12	5.5	0.00
09/10/2022 23:30	3.9	256	11	5.1	0.00
09/10/2022 23:40	3.8	257	12	4.9	0.00
09/10/2022 23:50	3.2	260	12	4.1	0.00
09/11/2022 00:00	3.2	263	10	4.5	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/11/2022 00:10	2.7	261	11	3.6	0.00
09/11/2022 00:20	3.0	257	9	4.4	0.00
09/11/2022 00:30	2.7	256	11	3.7	0.00
09/11/2022 00:40	3.5	255	8	4.4	0.00
09/11/2022 00:50	3.4	253	9	4.6	0.00
09/11/2022 01:00	2.4	239	13	3.6	0.00
09/11/2022 01:10	1.3	241	15	2.1	0.00
09/11/2022 01:20	1.4	231	17	2.1	0.00
09/11/2022 01:30	1.2	227	16	2.0	0.00
09/11/2022 01:40	1.1	284	38	1.8	0.00
09/11/2022 01:50	2.0	252	11	2.8	0.00
09/11/2022 02:00	0.6	301	57	1.2	0.00
09/11/2022 02:10	1.5	266	12	2.0	0.00
09/11/2022 02:20	1.4	238	18	1.9	0.00
09/11/2022 02:30	0.8	207	33	1.2	0.00
09/11/2022 02:40	1.1	303	11	1.5	0.00
09/11/2022 02:50	1.7	263	10	2.1	0.00
09/11/2022 03:00	0.7	218	18	1.1	0.00
09/11/2022 03:10	0.3	241	6	1.0	0.00
09/11/2022 03:20	0.3	258	6	0.8	0.00
09/11/2022 03:30	0.5	187	14	1.0	0.00
09/11/2022 03:40					0.00
09/11/2022 03:50	0.3	152	39	1.1	0.00
09/11/2022 04:00	0.6	309	19	1.1	0.00
09/11/2022 04:10	0.3	293	4	1.2	0.00
09/11/2022 04:20	0.7	173	17	1.3	0.00
09/11/2022 04:30	0.8	34	16	1.5	0.00
09/11/2022 04:40	0.4	28	13	0.8	0.00
09/11/2022 04:50	0.0	178	5	0.6	0.00
09/11/2022 05:00	0.9	177	43	2.0	0.00
09/11/2022 05:10	1.4	113	27	2.0	0.00
09/11/2022 05:20	1.6	116	22	2.5	0.00
09/11/2022 05:30	0.5	74	22	1.2	0.00
09/11/2022 05:40	0.6	178	24	1.5	0.00
09/11/2022 05:50	0.8	136	45	1.6	0.00
09/11/2022 06:00	0.7	126	38	1.2	0.00
09/11/2022 06:10	1.1	120	21	1.8	0.00
09/11/2022 06:20	1.3	119	16	2.0	0.00
09/11/2022 06:30	1.3	136	20	2.2	0.00
09/11/2022 06:40	0.6	97	12	1.1	0.00
09/11/2022 06:50	0.3	94	6	0.9	0.00
09/11/2022 07:00	1.2	83	13	1.6	0.00
09/11/2022 07:10	1.7	98	9	2.4	0.00
09/11/2022 07:20	2.4	116	8	3.0	0.00
09/11/2022 07:30	2.4	115	9	3.0	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/11/2022 07:40	2.8	114	9	4.0	0.00
09/11/2022 07:50	2.9	123	13	4.1	0.00
09/11/2022 08:00	3.1	116	13	4.2	0.00
09/11/2022 08:10	3.1	106	11	4.1	0.00
09/11/2022 08:20	2.9	95	14	4.0	0.00
09/11/2022 08:30	3.5	85	10	4.4	0.00
09/11/2022 08:40	3.8	97	11	4.8	0.00
09/11/2022 08:50	3.6	108	13	4.8	0.00
09/11/2022 09:00	4.0	107	11	4.9	0.00
09/11/2022 09:10	3.8	96	11	5.3	0.00
09/11/2022 09:20	3.8	106	13	5.0	0.00
09/11/2022 09:30	4.2	84	10	5.2	0.00
09/11/2022 09:40	4.2	92	13	5.6	0.00
09/11/2022 09:50	4.5	95	13	5.8	0.00
09/11/2022 10:00	4.6	99	12	5.8	0.00
09/11/2022 10:10	4.8	94	13	6.9	0.00
09/11/2022 10:20	5.0	91	11	7.2	0.00
09/11/2022 10:30	4.8	88	12	6.4	0.00
09/11/2022 10:40	5.8	81	11	7.9	0.00
09/11/2022 10:50	5.5	81	13	7.4	0.00
09/11/2022 11:00	6.1	85	10	8.2	0.00
09/11/2022 11:10	5.7	87	13	7.9	0.00
09/11/2022 11:20	5.8	83	13	8.0	0.00
09/11/2022 11:30	6.1	81	12	8.3	0.00
09/11/2022 11:40	5.6	87	13	8.0	0.00
09/11/2022 11:50	5.3	88	13	6.8	0.00
09/11/2022 12:00	5.2	75	15	6.8	0.00
09/11/2022 12:10	5.7	77	11	7.9	0.00
09/11/2022 12:20	5.8	76	12	7.7	0.00
09/11/2022 12:30	5.1	71	13	7.0	0.00
09/11/2022 12:40	5.1	71	12	7.2	0.00
09/11/2022 12:50	4.9	60	14	6.6	0.00
09/11/2022 13:00	5.0	74	12	7.3	0.00
09/11/2022 13:10	5.0	63	15	7.2	0.00
09/11/2022 13:20	4.9	66	15	6.8	0.00
09/11/2022 13:30	4.9	66	14	6.5	0.00
09/11/2022 13:40	5.1	64	12	6.8	0.00
09/11/2022 13:50	5.0	63	11	6.8	0.00
09/11/2022 14:00	5.1	69	12	7.0	0.00
09/11/2022 14:10	5.3	62	13	6.8	0.00
09/11/2022 14:20	5.2	62	15	7.2	0.00
09/11/2022 14:30	4.5	60	15	6.2	0.00
09/11/2022 14:40	4.8	72	14	6.8	0.00
09/11/2022 14:50	4.4	60	20	6.4	0.00
09/11/2022 15:00	3.4	42	24	5.9	0.00





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/11/2022 15:10	3.6	26	27	5.6	0.00
09/11/2022 15:20	3.5	23	24	5.6	0.00
09/11/2022 15:30	4.5	46	14	6.0	0.00
09/11/2022 15:40	4.5	40	15	6.4	0.00
09/11/2022 15:50	3.9	22	18	5.6	0.00
09/11/2022 16:00	3.7	184	23	5.5	0.00
09/11/2022 16:10	3.7	12	17	5.4	0.00
09/11/2022 16:20	3.5	11	22	5.4	0.00
09/11/2022 16:30	3.2	182	21	4.4	0.00
09/11/2022 16:40	3.8	180	17	6.1	0.00
09/11/2022 16:50	4.2	181	18	6.1	0.00
09/11/2022 17:00	3.7	357	21	5.4	0.00
09/11/2022 17:10	3.8	357	19	5.3	0.00
09/11/2022 17:20	3.3	179	20	5.2	0.00
09/11/2022 17:30	3.4	4	19	4.8	0.00
09/11/2022 17:40	3.5	180	16	4.9	0.00
09/11/2022 17:50	3.3	10	15	5.0	0.00
09/11/2022 18:00	3.2	15	17	4.4	0.00
09/11/2022 18:10	2.7	183	23	3.7	0.00
09/11/2022 18:20	2.7	12	20	3.9	0.00
09/11/2022 18:30	2.7	18	18	4.1	0.00
09/11/2022 18:40	2.8	20	17	4.8	0.00
09/11/2022 18:50	2.6	18	18	4.4	0.00
09/11/2022 19:00	2.4	17	20	3.6	0.00
09/11/2022 19:10	2.0	175	27	3.1	0.00
09/11/2022 19:20	1.9	332	23	3.1	0.00
09/11/2022 19:30	2.3	322	18	4.0	0.00
09/11/2022 19:40	2.5	316	19	4.1	0.00
09/11/2022 19:50	2.7	299	19	3.6	0.00
09/11/2022 20:00	3.2	284	15	4.3	0.00
09/11/2022 20:10	2.9	277	14	4.0	0.00
09/11/2022 20:20	2.6	282	16	3.7	0.00
09/11/2022 20:30	2.4	308	19	4.0	0.00
09/11/2022 20:40	2.2	299	16	3.6	0.00
09/11/2022 20:50	2.6	294	14	3.8	0.00
09/11/2022 21:00	2.6	283	13	3.6	0.00
09/11/2022 21:10	2.2	278	18	3.2	0.00
09/11/2022 21:20	2.7	261	10	3.4	0.00
09/11/2022 21:30	2.9	257	9	3.6	0.00
09/11/2022 21:40	2.3	252	9	2.9	0.00
09/11/2022 21:50	2.4	255	10	3.1	0.00
09/11/2022 22:00	2.6	251	9	3.3	0.00
09/11/2022 22:10	2.6	260	8	3.2	0.00
09/11/2022 22:20	2.9	261	8	3.6	0.00
09/11/2022 22:30	2.3	248	10	3.0	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/11/2022 22:40	1.9	249	10	2.6	0.00
09/11/2022 22:50	1.8	238	10	2.3	0.00
09/11/2022 23:00	2.0	246	9	2.7	0.00
09/11/2022 23:10	2.6	242	10	3.4	0.00
09/11/2022 23:20	2.5	239	10	3.4	0.00
09/11/2022 23:30	2.6	241	13	3.6	0.00
09/11/2022 23:40	1.9	238	14	2.7	0.00
09/11/2022 23:50	1.4	243	11	2.0	0.00
09/12/2022 00:00	1.3	240	8	1.9	0.00
09/12/2022 00:10	1.2	242	9	1.6	0.00
09/12/2022 00:20	1.2	238	9	1.6	0.00
09/12/2022 00:30	1.7	254	9	2.2	0.00
09/12/2022 00:40	1.8	244	9	2.5	0.00
09/12/2022 00:50	2.3	250	10	2.9	0.00
09/12/2022 01:00	2.0	248	9	2.9	0.00
09/12/2022 01:10	1.6	239	10	2.0	0.00
09/12/2022 01:20	1.8	240	8	2.3	0.00
09/12/2022 01:30	1.6	245	9	2.0	0.00
09/12/2022 01:40	1.8	253	9	2.3	0.00
09/12/2022 01:50	1.7	245	9	2.4	0.00
09/12/2022 02:00	1.9	246	9	2.5	0.00
09/12/2022 02:10	1.7	248	9	2.4	0.00
09/12/2022 02:20	1.9	245	9	2.4	0.00
09/12/2022 02:30	2.2	246	11	2.9	0.00
09/12/2022 02:40	2.1	243	12	2.5	0.00
09/12/2022 02:50	1.6	243	12	2.0	0.00
09/12/2022 03:00	1.8	247	11	2.4	0.00
09/12/2022 03:10	1.8	247	11	2.6	0.00
09/12/2022 03:20	1.8	243	10	2.4	0.00
09/12/2022 03:30	1.8	246	10	2.4	0.00
09/12/2022 03:40	1.4	251	9	1.9	0.00
09/12/2022 03:50	1.8	256	7	2.6	0.00
09/12/2022 04:00	1.5	255	10	2.1	0.00
09/12/2022 04:10	1.8	255	9	2.4	0.00
09/12/2022 04:20	0.8	246	22	1.3	0.00
09/12/2022 04:30	0.5	184	4	1.1	0.00
09/12/2022 04:40	1.1	275	11	1.5	0.00
09/12/2022 04:50	1.1	26	24	1.7	0.00
09/12/2022 05:00	0.4	189	17	1.0	0.00
09/12/2022 05:10	0.8	159	23	1.1	0.00
09/12/2022 05:20	0.2	297	10	0.8	0.00
09/12/2022 05:30	0.2	197	11	0.7	0.00
09/12/2022 05:40	0.4	165	22	1.1	0.00
09/12/2022 05:50	0.3	266	16	0.8	0.00
09/12/2022 06:00	0.6	287	15	1.1	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/12/2022 06:10	1.0	300	4	1.5	0.00
09/12/2022 06:20	0.4	200	39	1.1	0.00
09/12/2022 06:30	0.6	323	9	1.0	0.00
09/12/2022 06:40	0.4	309	24	0.9	0.00
09/12/2022 06:50	0.3	214	4	1.1	0.00
09/12/2022 07:00	0.7	223	10	1.2	0.00
09/12/2022 07:10	0.5	194	11	1.2	0.00
09/12/2022 07:20	0.7	84	24	1.2	0.00
09/12/2022 07:30	0.7	47	23	1.2	0.00
09/12/2022 07:40	0.8	45	39	1.3	0.00
09/12/2022 07:50	0.6	262	32	1.6	0.00
09/12/2022 08:00	1.0	234	25	1.9	0.00
09/12/2022 08:10	1.5	244	21	2.3	0.00
09/12/2022 08:20	2.1	261	17	2.7	0.00
09/12/2022 08:30	2.1	259	18	2.9	0.00
09/12/2022 08:40	1.5	273	27	2.1	0.00
09/12/2022 08:50	1.3	223	36	2.2	0.00
09/12/2022 09:00	0.6	225	45	1.3	0.00
09/12/2022 09:10	1.7	240	19	2.3	0.00
09/12/2022 09:20	1.0	257	41	2.2	0.00
09/12/2022 09:30	2.2	282	22	3.7	0.00
09/12/2022 09:40	1.8	275	29	3.2	0.00
09/12/2022 09:50	2.2	287	32	3.6	0.00
09/12/2022 10:00	2.2	298	22	3.5	0.00
09/12/2022 10:10	2.4	303	23	3.8	0.00
09/12/2022 10:20	1.9	330	66	2.9	0.00
09/12/2022 10:30	1.7	315	37	3.1	0.00
09/12/2022 10:40	2.1	307	38	3.9	0.00
09/12/2022 10:50	2.5	300	26	4.3	0.00
09/12/2022 11:00	1.8	311	55	3.2	0.00
09/12/2022 11:10	2.2	173	43	3.4	0.00
09/12/2022 11:20	2.3	4	32	4.0	0.00
09/12/2022 11:30	2.8	172	29	4.0	0.00
09/12/2022 11:40	2.8	178	30	4.3	0.00
09/12/2022 11:50	2.8	353	24	3.9	0.00
09/12/2022 12:00	2.8	181	27	4.1	0.00
09/12/2022 12:10	3.0	184	21	4.7	0.00
09/12/2022 12:20	2.9	180	25	4.6	0.00
09/12/2022 12:30	3.0	345	26	4.9	0.00
09/12/2022 12:40	3.0	329	26	4.6	0.00
09/12/2022 12:50	3.3	319	25	5.2	0.00
09/12/2022 13:00	4.3	294	15	6.1	0.00
09/12/2022 13:10	4.5	295	13	6.0	0.00
09/12/2022 13:20	3.7	295	18	5.5	0.00
09/12/2022 13:30	4.3	295	15	5.9	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/12/2022 13:40	4.5	297	13	6.3	0.00
09/12/2022 13:50	4.8	294	13	6.2	0.00
09/12/2022 14:00	4.7	294	12	6.2	0.00
09/12/2022 14:10	4.8	300	11	6.4	0.00
09/12/2022 14:20	4.9	295	12	6.7	0.00
09/12/2022 14:30	4.9	291	15	6.7	0.00
09/12/2022 14:40	4.7	285	16	6.4	0.00
09/12/2022 14:50	5.3	293	11	7.3	0.00
09/12/2022 15:00	5.3	294	11	6.9	0.00
09/12/2022 15:10	4.9	293	12	6.3	0.00
09/12/2022 15:20	4.6	290	10	5.8	0.00
09/12/2022 15:30	4.3	291	12	5.5	0.00
09/12/2022 15:40	4.0	300	16	5.8	0.00
09/12/2022 15:50	4.1	293	15	5.9	0.00
09/12/2022 16:00	3.7	297	22	5.3	0.00
09/12/2022 16:10	3.9	276	19	5.6	0.00
09/12/2022 16:20	4.0	281	17	5.8	0.00
09/12/2022 16:30	3.9	284	18	5.2	0.00
09/12/2022 16:40	3.9	291	15	5.2	0.00
09/12/2022 16:50	3.8	285	14	5.2	0.00
09/12/2022 17:00	4.1	289	15	5.4	0.00
09/12/2022 17:10	3.9	278	17	5.3	0.00
09/12/2022 17:20	3.6	284	13	4.8	0.00
09/12/2022 17:30	3.3	287	13	4.4	0.00
09/12/2022 17:40	3.4	280	16	4.8	0.00
09/12/2022 17:50	3.4	278	16	4.8	0.00
09/12/2022 18:00	3.3	273	13	4.6	0.00
09/12/2022 18:10	3.3	264	13	4.2	0.00
09/12/2022 18:20	2.9	267	13	4.3	0.00
09/12/2022 18:30	3.4	260	9	4.4	0.00
09/12/2022 18:40	3.2	263	11	4.1	0.00
09/12/2022 18:50	3.3	246	11	4.1	0.00
09/12/2022 19:00	3.3	251	12	4.3	0.00
09/12/2022 19:10	3.8	254	12	5.2	0.00
09/12/2022 19:20	4.0	250	11	5.1	0.00
09/12/2022 19:30	4.3	248	11	5.5	0.00
09/12/2022 19:40	3.8	256	12	5.0	0.00
09/12/2022 19:50	3.9	263	11	5.3	0.00
09/12/2022 20:00	4.1	259	11	5.5	0.00
09/12/2022 20:10	4.2	258	10	5.4	0.00
09/12/2022 20:20	3.8	257	12	4.8	0.00
09/12/2022 20:30	3.1	252	12	4.1	0.00
09/12/2022 20:40	3.2	255	12	4.4	0.00
09/12/2022 20:50	3.2	249	9	4.3	0.00
09/12/2022 21:00	3.0	248	11	4.3	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/12/2022 21:10	2.9	250	10	3.8	0.00
09/12/2022 21:20	2.7	253	12	3.6	0.00
09/12/2022 21:30	2.9	253	11	3.8	0.00
09/12/2022 21:40	2.6	253	10	3.5	0.00
09/12/2022 21:50	2.9	258	12	4.3	0.00
09/12/2022 22:00	3.7	250	11	4.6	0.00
09/12/2022 22:10	3.1	252	10	4.4	0.00
09/12/2022 22:20	3.3	251	13	4.1	0.00
09/12/2022 22:30	3.2	251	10	4.5	0.00
09/12/2022 22:40	3.1	253	11	4.0	0.00
09/12/2022 22:50	2.8	247	10	3.7	0.00
09/12/2022 23:00	2.6	249	11	3.4	0.00
09/12/2022 23:10	2.4	244	13	3.2	0.00
09/12/2022 23:20	2.6	251	11	3.5	0.00
09/12/2022 23:30	2.5	247	10	3.2	0.00
09/12/2022 23:40	2.7	247	12	3.8	0.00
09/12/2022 23:50	2.4	247	12	3.2	0.00
13/09/2022 00:00	2.6	256	11	3.4	0.00
13/09/2022 00:10	3.1	253	11	3.9	0.00
13/09/2022 00:20	2.6	257	10	3.6	0.00
13/09/2022 00:30	2.8	255	12	3.9	0.00
13/09/2022 00:40	3.1	252	12	4.5	0.00
13/09/2022 00:50	2.4	254	9	3.6	0.00
13/09/2022 01:00	2.0	244	10	2.8	0.00
13/09/2022 01:10	2.1	242	13	3.0	0.00
13/09/2022 01:20	2.9	262	10	4.0	0.00
13/09/2022 01:30	2.9	256	12	3.8	0.00
13/09/2022 01:40	2.4	240	11	3.2	0.00
13/09/2022 01:50	2.5	239	11	3.1	0.00
13/09/2022 02:00	3.1	246	13	4.4	0.00
13/09/2022 02:10	2.3	248	11	3.4	0.00
13/09/2022 02:20	2.8	243	11	3.7	0.00
13/09/2022 02:30	2.9	247	13	3.8	0.00
13/09/2022 02:40	2.8	230	13	4.3	0.00
13/09/2022 02:50	2.2	222	16	3.1	0.00
13/09/2022 03:00	1.6	230	12	2.2	0.00
13/09/2022 03:10	1.8	233	12	2.5	0.00
13/09/2022 03:20	1.7	232	13	2.3	0.00
13/09/2022 03:30	1.4	238	12	1.9	0.00
13/09/2022 03:40	1.7	242	10	2.1	0.00
13/09/2022 03:50	1.6	243	12	2.0	0.00
13/09/2022 04:00	2.3	243	14	3.2	0.00
13/09/2022 04:10	2.3	248	13	3.0	0.00
13/09/2022 04:20	1.8	253	11	2.1	0.00
13/09/2022 04:30	2.0	255	9	2.7	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/09/2022 04:40	1.9	247	11	2.4	0.00
13/09/2022 04:50	1.9	253	11	2.6	0.00
13/09/2022 05:00	2.0	251	11	2.7	0.00
13/09/2022 05:10	2.1	251	13	2.8	0.00
13/09/2022 05:20	2.1	255	10	2.8	0.00
13/09/2022 05:30	2.1	249	11	2.8	0.00
13/09/2022 05:40	1.5	245	10	1.9	0.00
13/09/2022 05:50	1.4	233	11	1.9	0.00
13/09/2022 06:00	1.2	217	14	1.6	0.00
13/09/2022 06:10	1.1	225	14	1.5	0.00
13/09/2022 06:20	1.1	237	12	1.6	0.00
13/09/2022 06:30	1.2	240	17	1.7	0.00
13/09/2022 06:40	1.4	245	13	1.9	0.00
13/09/2022 06:50	1.1	237	11	1.5	0.00
13/09/2022 07:00	1.3	241	10	1.8	0.00
13/09/2022 07:10	1.3	239	14	1.9	0.00
13/09/2022 07:20	1.4	231	13	2.0	0.00
13/09/2022 07:30	1.5	214	38	2.2	0.00
13/09/2022 07:40	1.6	225	32	2.6	0.00
13/09/2022 07:50	1.7	224	36	2.4	0.00
13/09/2022 08:00	1.9	227	23	2.6	0.00
13/09/2022 08:10	1.9	223	15	2.8	0.00
13/09/2022 08:20	2.0	231	18	3.1	0.00
13/09/2022 08:30	2.3	233	13	3.2	0.00
13/09/2022 08:40	2.5	242	13	3.3	0.00
13/09/2022 08:50	2.9	241	13	4.0	0.00
13/09/2022 09:00	2.8	235	14	3.7	0.00
13/09/2022 09:10	3.1	257	15	4.3	0.00
13/09/2022 09:20	3.5	244	13	4.5	0.00
13/09/2022 09:30	3.4	249	15	4.4	0.00
13/09/2022 09:40	3.1	257	17	4.6	0.00
13/09/2022 09:50	3.1	254	14	4.2	0.00
13/09/2022 10:00	3.3	255	17	4.8	0.00
13/09/2022 10:10	3.8	253	16	5.1	0.00
13/09/2022 10:20	3.8	252	12	5.2	0.00
13/09/2022 10:30	3.4	256	20	4.6	0.00
13/09/2022 10:40	3.2	254	17	4.3	0.00
13/09/2022 10:50	3.3	255	18	4.6	0.00
13/09/2022 11:00	3.7	257	15	5.0	0.00
13/09/2022 11:10	3.8	251	17	5.1	0.00
13/09/2022 11:20	4.4	242	13	6.0	0.00
13/09/2022 11:30	4.4	253	14	5.6	0.00
13/09/2022 11:40	4.3	260	14	5.8	0.00
13/09/2022 11:50	4.5	254	16	6.8	0.00
13/09/2022 12:00	5.3	264	13	7.3	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/09/2022 12:10	5.3	269	15	7.1	0.00
13/09/2022 12:20	4.7	265	13	6.3	0.00
13/09/2022 12:30	5.2	266	13	7.2	0.00
13/09/2022 12:40	5.1	257	13	7.3	0.00
13/09/2022 12:50	5.3	257	14	7.1	0.00
13/09/2022 13:00	4.9	257	12	7.4	0.00
13/09/2022 13:10	5.1	257	15	6.8	0.00
13/09/2022 13:20	5.5	266	14	7.5	0.00
13/09/2022 13:30	5.8	254	12	8.0	0.00
13/09/2022 13:40	5.6	261	14	7.5	0.00
13/09/2022 13:50	5.8	256	13	7.9	0.00
13/09/2022 14:00	6.0	253	12	8.5	0.00
13/09/2022 14:10	5.7	255	13	7.9	0.00
13/09/2022 14:20	6.1	264	13	8.4	0.00
13/09/2022 14:30	6.6	268	13	8.7	0.00
13/09/2022 14:40	6.3	260	12	8.4	0.00
13/09/2022 14:50	6.3	262	13	8.3	0.00
13/09/2022 15:00	6.7	262	11	9.5	0.00
13/09/2022 15:10	6.9	262	12	9.3	0.00
13/09/2022 15:20	6.3	261	14	8.7	0.00
13/09/2022 15:30	6.5	259	11	9.2	0.00
13/09/2022 15:40	7.1	265	12	9.4	0.00
13/09/2022 15:50	6.5	264	11	9.3	0.00
13/09/2022 16:00	6.7	258	13	9.2	0.00
13/09/2022 16:10	6.9	259	11	9.0	0.00
13/09/2022 16:20	6.8	262	13	8.7	0.00
13/09/2022 16:30	6.3	262	12	8.4	0.00
13/09/2022 16:40	6.1	260	11	8.3	0.00
13/09/2022 16:50	6.6	263	10	8.8	0.00
13/09/2022 17:00	7.1	263	11	9.1	0.00
13/09/2022 17:10	7.1	263	9	9.1	0.00
13/09/2022 17:20	6.9	261	10	9.4	0.00
13/09/2022 17:30	6.9	261	12	10.1	0.00
13/09/2022 17:40	6.8	264	9	8.7	0.00
13/09/2022 17:50	6.6	263	9	9.1	0.00
13/09/2022 18:00	6.1	264	10	8.4	0.00
13/09/2022 18:10	6.0	263	11	7.9	0.00
13/09/2022 18:20	6.6	264	12	8.2	0.00
13/09/2022 18:30	6.0	263	10	8.5	0.00
13/09/2022 18:40	6.5	262	11	8.7	0.00
13/09/2022 18:50	6.1	263	11	7.6	0.00
13/09/2022 19:00	5.7	261	12	8.2	0.00
13/09/2022 19:10	6.1	261	10	8.4	0.00
13/09/2022 19:20	5.3	258	12	7.2	0.00
13/09/2022 19:30	5.8	262	10	7.4	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/09/2022 19:40	5.8	255	12	7.9	0.00
13/09/2022 19:50	5.2	258	13	7.2	0.00
13/09/2022 20:00	5.2	257	12	7.3	0.00
13/09/2022 20:10	5.1	257	11	7.5	0.00
13/09/2022 20:20	5.4	257	11	7.3	0.00
13/09/2022 20:30	5.1	257	11	7.0	0.00
13/09/2022 20:40	4.5	262	11	5.7	0.00
13/09/2022 20:50	4.9	256	12	6.8	0.00
13/09/2022 21:00	4.4	255	12	6.2	0.00
13/09/2022 21:10	4.3	254	12	5.7	0.00
13/09/2022 21:20	4.3	255	12	6.4	0.00
13/09/2022 21:30	4.8	252	12	6.3	0.00
13/09/2022 21:40	4.3	251	12	6.0	0.00
13/09/2022 21:50	3.8	254	12	5.4	0.00
13/09/2022 22:00	3.4	252	14	5.1	0.00
13/09/2022 22:10	3.5	248	14	5.6	0.00
13/09/2022 22:20	4.6	246	12	6.4	0.00
13/09/2022 22:30	4.2	245	12	6.1	0.00
13/09/2022 22:40	4.4	251	12	6.2	0.00
13/09/2022 22:50	4.0	253	12	6.3	0.00
13/09/2022 23:00	3.9	254	12	5.3	0.00
13/09/2022 23:10	3.8	248	13	5.2	0.00
13/09/2022 23:20	3.8	248	14	5.0	0.00
13/09/2022 23:30	3.2	248	13	4.4	0.00
13/09/2022 23:40	3.9	246	14	5.7	0.00
13/09/2022 23:50	4.2	247	13	5.4	0.00
14/09/2022 00:00	4.2	246	13	5.6	0.00
14/09/2022 00:10	4.4	247	13	6.4	0.00
14/09/2022 00:20	4.0	246	12	5.7	0.00
14/09/2022 00:30	3.9	245	12	5.5	0.00
14/09/2022 00:40	3.9	248	12	5.6	0.00
14/09/2022 00:50	3.7	240	13	5.6	0.00
14/09/2022 01:00	3.9	238	11	5.6	0.00
14/09/2022 01:10	4.1	243	13	5.6	0.00
14/09/2022 01:20	3.7	250	12	5.2	0.00
14/09/2022 01:30	3.2	244	13	4.9	0.00
14/09/2022 01:40	3.5	244	13	5.2	0.00
14/09/2022 01:50	3.4	238	11	4.3	0.00
14/09/2022 02:00	3.5	241	12	5.2	0.00
14/09/2022 02:10	3.6	238	13	4.9	0.00
14/09/2022 02:20	3.6	237	14	5.1	0.00
14/09/2022 02:30	3.5	243	11	4.9	0.00
14/09/2022 02:40	3.4	239	12	4.9	0.00
14/09/2022 02:50	2.8	245	12	3.9	0.00
14/09/2022 03:00	3.0	240	12	4.4	0.00





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/09/2022 03:10	2.5	242	14	3.5	0.00
14/09/2022 03:20	3.1	238	14	4.5	0.00
14/09/2022 03:30	3.1	238	15	4.4	0.00
14/09/2022 03:40	3.0	235	13	4.8	0.00
14/09/2022 03:50	3.0	237	14	4.1	0.00
14/09/2022 04:00	2.7	236	13	4.0	0.00
14/09/2022 04:10	2.5	238	13	3.6	0.00
14/09/2022 04:20	2.7	231	15	3.9	0.00
14/09/2022 04:30	3.1	233	12	4.4	0.00
14/09/2022 04:40	2.9	235	14	4.1	0.00
14/09/2022 04:50	2.7	235	13	4.1	0.00
14/09/2022 05:00	2.9	231	16	4.2	0.00
14/09/2022 05:10	2.9	232	17	4.6	0.00
14/09/2022 05:20	2.7	226	18	4.4	0.00
14/09/2022 05:30	2.7	224	17	4.0	0.00
14/09/2022 05:40	2.6	222	18	3.7	0.00
14/09/2022 05:50	3.0	218	15	4.1	0.00
14/09/2022 06:00	3.5	217	15	4.4	0.00
14/09/2022 06:10	3.5	216	19	5.2	0.00
14/09/2022 06:20	2.9	217	24	4.2	0.00
14/09/2022 06:30	2.8	220	26	3.9	0.00
14/09/2022 06:40	2.8	215	26	4.0	0.00
14/09/2022 06:50	2.2	225	45	3.6	0.00
14/09/2022 07:00	1.9	227	61	3.2	0.00
14/09/2022 07:10	1.9	293	75	4.1	0.00
14/09/2022 07:20	1.8	229	90	3.9	0.00
14/09/2022 07:30	2.2	248	77	3.8	0.00
14/09/2022 07:40	2.1	266	79	3.6	0.00
14/09/2022 07:50	3.5	211	40	5.9	0.00
14/09/2022 08:00	4.1	219	32	6.8	0.00
14/09/2022 08:10	4.2	221	28	6.8	0.00
14/09/2022 08:20	2.2	276	80	4.2	0.00
14/09/2022 08:30	2.8	138	44	5.0	0.00
14/09/2022 08:40	2.3	153	65	4.5	0.00
14/09/2022 08:50	2.7	144	42	4.7	0.00
14/09/2022 09:00	2.0	86	75	3.6	0.00
14/09/2022 09:10	3.8	138	17	5.5	0.00
14/09/2022 09:20	3.1	137	32	4.8	0.00
14/09/2022 09:30	3.8	133	16	5.3	0.00
14/09/2022 09:40	3.7	128	17	5.3	0.00
14/09/2022 09:50	3.7	126	15	5.2	0.00
14/09/2022 10:00	3.4	134	20	4.9	0.00
14/09/2022 10:10	2.2	126	41	3.6	0.00
14/09/2022 10:20	2.0	156	60	4.0	0.00
14/09/2022 10:30	2.6	173	57	4.8	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/09/2022 10:40	2.4	187	62	4.3	0.00
14/09/2022 10:50	3.0	171	27	5.3	0.00
14/09/2022 11:00	2.1	149	47	4.0	0.00
14/09/2022 11:10	1.8	114	57	3.6	0.00
14/09/2022 11:20	2.6	215	40	4.0	0.00
14/09/2022 11:30	1.5	210	53	2.7	0.00
14/09/2022 11:40	1.8	127	42	3.2	0.00
14/09/2022 11:50	1.5	187	66	2.8	0.00
14/09/2022 12:00	2.5	226	38	4.0	0.00
14/09/2022 12:10	3.7	254	17	5.3	0.00
14/09/2022 12:20	2.9	292	27	4.6	0.00
14/09/2022 12:30	3.3	289	22	4.4	0.00
14/09/2022 12:40	2.8	291	26	4.4	0.00
14/09/2022 12:50	2.7	292	38	4.3	0.00
14/09/2022 13:00	3.3	294	22	5.0	0.00
14/09/2022 13:10	3.9	301	16	5.6	0.00
14/09/2022 13:20	4.0	303	14	5.7	0.00
14/09/2022 13:30	4.9	296	10	6.5	0.00
14/09/2022 13:40	4.5	305	19	6.6	0.00
14/09/2022 13:50	3.6	313	22	5.8	0.00
14/09/2022 14:00	4.5	302	13	6.3	0.00
14/09/2022 14:10	4.2	294	16	5.8	0.00
14/09/2022 14:20	4.8	288	14	6.8	0.00
14/09/2022 14:30	4.8	288	13	6.6	0.00
14/09/2022 14:40	5.0	291	12	6.4	0.00
14/09/2022 14:50	5.6	298	10	6.8	0.00
14/09/2022 15:00	5.1	297	13	6.9	0.00
14/09/2022 15:10	4.7	299	14	7.1	0.00
14/09/2022 15:20	4.9	302	14	6.7	0.00
14/09/2022 15:30	4.9	304	11	6.8	0.00
14/09/2022 15:40	4.9	279	13	6.7	0.00
14/09/2022 15:50	5.2	262	13	7.0	0.00
14/09/2022 16:00	5.5	258	10	7.2	0.00
14/09/2022 16:10	5.3	262	12	7.3	0.00
14/09/2022 16:20	6.0	261	11	8.1	0.00
14/09/2022 16:30	6.3	261	10	8.1	0.00
14/09/2022 16:40	5.8	261	10	7.9	0.00
14/09/2022 16:50	6.0	260	12	8.0	0.00
14/09/2022 17:00	6.1	261	11	7.9	0.00
14/09/2022 17:10	5.3	260	11	7.1	0.00
14/09/2022 17:20	6.0	262	12	8.0	0.00
14/09/2022 17:30	6.6	262	11	8.3	0.00
14/09/2022 17:40	6.2	260	10	7.9	0.00
14/09/2022 17:50	5.4	260	11	6.9	0.00
14/09/2022 18:00	5.9	261	12	7.5	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/09/2022 18:10	5.8	263	10	7.6	0.00
14/09/2022 18:20	5.9	263	11	7.6	0.00
14/09/2022 18:30	4.9	261	9	6.7	0.00
14/09/2022 18:40	4.9	265	12	6.8	0.00
14/09/2022 18:50	5.3	263	8	7.3	0.00
14/09/2022 19:00	5.1	262	11	6.8	0.00
14/09/2022 19:10	5.4	263	10	7.2	0.00
14/09/2022 19:20	5.9	263	8	7.9	0.00
14/09/2022 19:30	5.5	260	10	7.2	0.00
14/09/2022 19:40	5.3	262	11	7.5	0.00
14/09/2022 19:50	5.8	262	11	7.9	0.00
14/09/2022 20:00	5.8	264	9	7.6	0.00
14/09/2022 20:10	5.1	262	10	7.1	0.00
14/09/2022 20:20	4.6	266	12	6.0	0.00
14/09/2022 20:30	4.4	263	9	5.7	0.00
14/09/2022 20:40	3.9	266	11	5.2	0.00
14/09/2022 20:50	3.9	271	12	5.2	0.00
14/09/2022 21:00	3.7	266	11	5.0	0.00
14/09/2022 21:10	3.4	267	13	4.2	0.00
14/09/2022 21:20	3.1	268	12	4.2	0.00
14/09/2022 21:30	2.9	271	13	3.6	0.00
14/09/2022 21:40	2.8	267	13	3.6	0.00
14/09/2022 21:50	2.9	266	11	3.8	0.00
14/09/2022 22:00	3.4	265	9	4.4	0.00
14/09/2022 22:10	3.4	261	9	4.3	0.00
14/09/2022 22:20	3.4	258	9	4.2	0.00
14/09/2022 22:30	2.9	265	8	3.7	0.00
14/09/2022 22:40	2.9	265	8	3.7	0.00
14/09/2022 22:50	3.0	258	11	4.0	0.00
14/09/2022 23:00	3.0	258	10	3.7	0.00
14/09/2022 23:10	3.0	251	12	4.6	0.00
14/09/2022 23:20	2.7	254	14	3.9	0.00
14/09/2022 23:30	2.0	264	18	2.8	0.00
14/09/2022 23:40	1.0	261	23	1.7	0.00
14/09/2022 23:50	1.1	216	46	2.1	0.00
15/09/2022 00:00	1.7	121	90	2.9	0.00
15/09/2022 00:10	1.5	330	81	2.4	0.00
15/09/2022 00:20	1.5	315	84	2.4	0.00
15/09/2022 00:30	1.5	30	84	2.8	0.00
15/09/2022 00:40	1.3	120	76	2.0	0.00
15/09/2022 00:50	1.1	137	87	2.0	0.00
15/09/2022 01:00	1.5	145	30	2.5	0.00
15/09/2022 01:10	0.9	111	50	1.5	0.00
15/09/2022 01:20	0.9	62	38	1.7	0.00
15/09/2022 01:30	0.9	57	23	1.6	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/09/2022 01:40	1.2	68	23	1.6	0.00
15/09/2022 01:50	1.4	72	15	1.9	0.00
15/09/2022 02:00	1.3	90	17	2.0	0.00
15/09/2022 02:10	1.5	93	13	1.9	0.00
15/09/2022 02:20	1.5	104	15	2.2	0.00
15/09/2022 02:30	1.8	117	15	2.7	0.00
15/09/2022 02:40	2.4	124	15	4.0	0.00
15/09/2022 02:50	2.7	127	14	4.4	0.00
15/09/2022 03:00	2.5	123	13	3.6	0.00
15/09/2022 03:10	2.7	116	12	3.6	0.00
15/09/2022 03:20	2.9	118	12	4.3	0.00
15/09/2022 03:30	2.8	125	13	3.8	0.00
15/09/2022 03:40	2.6	126	13	3.5	0.00
15/09/2022 03:50	2.8	122	10	3.7	0.00
15/09/2022 04:00	2.8	127	12	3.9	0.00
15/09/2022 04:10	3.2	125	12	4.1	0.00
15/09/2022 04:20	2.9	124	13	3.8	0.00
15/09/2022 04:30	3.3	107	8	4.8	0.00
15/09/2022 04:40	3.8	100	11	5.4	0.00
15/09/2022 04:50	3.9	100	12	5.2	0.00
15/09/2022 05:00	3.8	104	10	5.2	0.00
15/09/2022 05:10	3.4	109	9	4.4	0.00
15/09/2022 05:20	4.0	103	10	5.3	0.00
15/09/2022 05:30	4.3	101	9	5.6	0.00
15/09/2022 05:40	4.2	104	9	5.4	0.00
15/09/2022 05:50	4.0	105	10	5.5	0.00
15/09/2022 06:00	3.5	104	11	4.8	0.00
15/09/2022 06:10	3.4	105	11	4.4	0.00
15/09/2022 06:20	4.0	100	10	5.3	0.00
15/09/2022 06:30	4.1	104	11	5.6	0.00
15/09/2022 06:40	4.3	101	11	5.8	0.00
15/09/2022 06:50	4.1	105	9	5.3	0.00
15/09/2022 07:00	3.8	102	9	5.4	0.00
15/09/2022 07:10	4.3	100	10	6.1	0.00
15/09/2022 07:20	4.5	106	11	6.8	0.00
15/09/2022 07:30	5.0	107	11	7.0	0.00
15/09/2022 07:40	5.2	100	11	7.0	0.00
15/09/2022 07:50	5.4	100	11	7.3	0.00
15/09/2022 08:00	5.7	106	12	7.3	0.00
15/09/2022 08:10	5.5	109	12	7.9	0.00
15/09/2022 08:20	5.3	111	10	7.9	0.00
15/09/2022 08:30	5.7	103	13	7.9	0.00
15/09/2022 08:40	7.0	105	12	9.3	0.00
15/09/2022 08:50	6.3	97	12	9.1	0.00
15/09/2022 09:00	6.4	96	13	8.1	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/09/2022 09:10	5.9	96	11	8.2	0.00
15/09/2022 09:20	5.9	95	12	7.9	0.00
15/09/2022 09:30	5.9	104	15	8.1	0.00
15/09/2022 09:40	5.6	99	11	7.7	0.00
15/09/2022 09:50	5.1	90	11	7.1	0.00
15/09/2022 10:00	5.3	91	14	7.2	0.00
15/09/2022 10:10	5.3	91	12	7.4	0.00
15/09/2022 10:20	5.2	92	13	7.2	0.00
15/09/2022 10:30	5.5	98	15	7.5	0.00
15/09/2022 10:40	5.4	90	11	7.5	0.00
15/09/2022 10:50	5.8	89	13	7.5	0.00
15/09/2022 11:00	5.9	85	13	7.6	0.00
15/09/2022 11:10	5.8	89	12	8.0	0.00
15/09/2022 11:20	5.5	92	14	7.5	0.00
15/09/2022 11:30	5.7	84	12	8.1	0.00
15/09/2022 11:40	6.1	72	11	7.8	0.00
15/09/2022 11:50	6.5	72	12	8.6	0.00
15/09/2022 12:00	6.3	72	11	8.6	0.00
15/09/2022 12:10	5.8	80	13	7.9	0.00
15/09/2022 12:20	5.8	79	13	7.4	0.00
15/09/2022 12:30	5.7	76	13	7.8	0.00
15/09/2022 12:40	5.4	78	13	6.9	0.00
15/09/2022 12:50	5.0	74	13	7.2	0.00
15/09/2022 13:00	5.1	74	14	6.9	0.00
15/09/2022 13:10	5.0	70	13	6.8	0.00
15/09/2022 13:20	5.7	75	12	7.5	0.00
15/09/2022 13:30	5.2	65	13	6.8	0.00
15/09/2022 13:40	5.4	63	12	7.2	0.00
15/09/2022 13:50	5.2	67	13	7.0	0.00
15/09/2022 14:00	5.5	78	14	7.5	0.00
15/09/2022 14:10	5.0	66	13	6.9	0.00
15/09/2022 14:20	5.0	69	13	7.0	0.00
15/09/2022 14:30	4.8	62	15	6.7	0.00
15/09/2022 14:40	4.7	65	12	5.9	0.00
15/09/2022 14:50	4.4	72	14	6.3	0.00
15/09/2022 15:00	4.5	75	16	6.0	0.00
15/09/2022 15:10	4.5	76	13	5.9	0.00
15/09/2022 15:20	4.1	69	13	5.2	0.00
15/09/2022 15:30	3.7	80	14	4.9	0.00
15/09/2022 15:40	4.1	78	14	5.6	0.00
15/09/2022 15:50	3.3	54	22	4.8	0.00
15/09/2022 16:00	3.0	19	21	4.5	0.00
15/09/2022 16:10	4.1	348	17	5.7	0.00
15/09/2022 16:20	3.6	349	16	5.0	0.00
15/09/2022 16:30	3.5	351	16	4.5	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/09/2022 16:40	3.4	349	16	5.0	0.00
15/09/2022 16:50	3.7	352	19	5.3	0.00
15/09/2022 17:00	3.4	4	15	4.8	0.00
15/09/2022 17:10	3.1	356	19	4.4	0.00
15/09/2022 17:20	3.6	355	16	5.6	0.00
15/09/2022 17:30	4.3	332	14	5.8	0.00
15/09/2022 17:40	3.6	335	20	5.8	0.00
15/09/2022 17:50	3.6	333	15	4.8	0.00
15/09/2022 18:00	3.9	299	13	5.2	0.00
15/09/2022 18:10	3.6	287	16	5.4	0.00
15/09/2022 18:20	3.9	267	12	5.0	0.00
15/09/2022 18:30	3.8	269	11	4.7	0.00
15/09/2022 18:40	4.3	264	11	5.5	0.00
15/09/2022 18:50	4.2	253	13	6.0	0.00
15/09/2022 19:00	4.6	260	11	5.9	0.00
15/09/2022 19:10	4.4	255	11	5.6	0.00
15/09/2022 19:20	4.3	258	12	5.5	0.00
15/09/2022 19:30	4.1	254	10	5.6	0.00
15/09/2022 19:40	4.3	254	9	6.0	0.00
15/09/2022 19:50	4.4	252	10	6.0	0.00
15/09/2022 20:00	4.4	252	11	5.9	0.00
15/09/2022 20:10	4.8	255	12	6.0	0.00
15/09/2022 20:20	4.3	254	11	5.4	0.00
15/09/2022 20:30	4.2	252	11	5.6	0.00
15/09/2022 20:40	3.4	252	11	4.5	0.00
15/09/2022 20:50	3.9	250	11	5.0	0.00
15/09/2022 21:00	4.2	249	12	5.2	0.00
15/09/2022 21:10	4.2	249	10	5.6	0.00
15/09/2022 21:20	3.8	246	12	5.5	0.00
15/09/2022 21:30	3.8	248	13	5.2	0.00
15/09/2022 21:40	3.8	255	11	4.9	0.00
15/09/2022 21:50	4.0	252	11	5.3	0.00
15/09/2022 22:00	3.4	249	11	4.6	0.00
15/09/2022 22:10	3.3	246	11	4.4	0.00
15/09/2022 22:20	3.1	247	11	4.2	0.00
15/09/2022 22:30	2.7	244	12	3.6	0.00
15/09/2022 22:40	2.6	252	10	3.4	0.00
15/09/2022 22:50	2.5	254	11	3.2	0.00
15/09/2022 23:00	2.7	256	10	3.5	0.00
15/09/2022 23:10	3.2	252	11	4.4	0.00
15/09/2022 23:20	3.4	253	10	4.6	0.00
15/09/2022 23:30	3.1	253	12	4.2	0.00
15/09/2022 23:40	3.2	252	12	4.1	0.00
15/09/2022 23:50	2.9	253	11	3.7	0.00
16/09/2022 00:00	2.3	249	11	2.9	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/09/2022 00:10	2.2	248	12	3.6	0.00
16/09/2022 00:20	2.5	252	11	4.0	0.00
16/09/2022 00:30	2.4	249	11	3.5	0.00
16/09/2022 00:40	2.0	252	10	2.5	0.00
16/09/2022 00:50	1.6	245	11	2.2	0.00
16/09/2022 01:00	2.1	249	12	2.8	0.00
16/09/2022 01:10	2.2	245	13	3.2	0.00
16/09/2022 01:20	2.3	249	10	3.0	0.00
16/09/2022 01:30	2.0	249	10	2.7	0.00
16/09/2022 01:40	1.8	249	11	2.4	0.00
16/09/2022 01:50	1.6	249	13	2.2	0.00
16/09/2022 02:00	1.7	249	13	2.8	0.00
16/09/2022 02:10	2.0	241	13	3.5	0.00
16/09/2022 02:20	1.6	254	11	2.3	0.00
16/09/2022 02:30	0.5	236	10	0.9	0.00
16/09/2022 02:40	0.5	80	6	0.8	0.00
16/09/2022 02:50	0.6	69	13	1.3	0.00
16/09/2022 03:00	0.7	64	14	1.2	0.00
16/09/2022 03:10	0.5	89	8	1.2	0.00
16/09/2022 03:20	0.5	306	11	1.1	0.00
16/09/2022 03:30	0.3	298	7	1.1	0.00
16/09/2022 03:40	0.3	287	7	1.1	0.00
16/09/2022 03:50	0.4	301	5	1.1	0.00
16/09/2022 04:00	0.2	306	16	0.8	0.00
16/09/2022 04:10	0.4	286	6	0.7	0.00
16/09/2022 04:20	0.3	307	3	0.8	0.00
16/09/2022 04:30	0.2	88	2	1.1	0.00
16/09/2022 04:40	0.5	82	8	1.4	0.00
16/09/2022 04:50	1.1	62	15	1.6	0.00
16/09/2022 05:00	1.2	74	14	1.7	0.00
16/09/2022 05:10	1.0	87	17	1.7	0.00
16/09/2022 05:20	1.2	104	19	1.6	0.00
16/09/2022 05:30	1.1	94	25	2.0	0.00
16/09/2022 05:40	1.6	89	21	2.2	0.00
16/09/2022 05:50	1.8	90	16	2.7	0.00
16/09/2022 06:00	2.3	86	12	3.2	0.00
16/09/2022 06:10	1.4	103	17	2.0	0.00
16/09/2022 06:20	2.0	100	14	2.7	0.00
16/09/2022 06:30	2.2	91	10	3.1	0.00
16/09/2022 06:40	2.0	100	12	3.0	0.00
16/09/2022 06:50	2.4	109	9	3.7	0.00
16/09/2022 07:00	2.6	113	11	3.8	0.00
16/09/2022 07:10	2.8	119	13	4.4	0.00
16/09/2022 07:20	3.4	103	11	4.8	0.00
16/09/2022 07:30	3.6	92	11	5.2	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/09/2022 07:40	3.6	95	11	4.9	0.00
16/09/2022 07:50	3.9	97	12	6.0	0.00
16/09/2022 08:00	3.9	107	12	5.5	0.00
16/09/2022 08:10	4.3	108	12	5.7	0.00
16/09/2022 08:20	4.4	120	15	6.0	0.00
16/09/2022 08:30	4.0	110	12	5.8	0.00
16/09/2022 08:40	4.1	117	16	6.2	0.00
16/09/2022 08:50	4.3	109	15	6.4	0.00
16/09/2022 09:00	5.0	99	13	6.9	0.00
16/09/2022 09:10	5.5	99	11	7.2	0.00
16/09/2022 09:20	5.3	106	15	7.2	0.00
16/09/2022 09:30	5.3	106	17	7.5	0.00
16/09/2022 09:40	5.5	104	11	7.9	0.00
16/09/2022 09:50	6.1	107	12	8.7	0.00
16/09/2022 10:00	5.6	100	14	7.6	0.00
16/09/2022 10:10	5.7	104	13	8.0	0.00
16/09/2022 10:20	6.0	93	13	8.3	0.00
16/09/2022 10:30	6.2	97	14	8.4	0.00
16/09/2022 10:40	6.2	91	13	8.2	0.00
16/09/2022 10:50	6.6	81	12	9.0	0.00
16/09/2022 11:00	5.8	83	12	7.8	0.00
16/09/2022 11:10	6.9	76	10	8.8	0.00
16/09/2022 11:20	5.8	76	11	8.6	0.00
16/09/2022 11:30	6.8	76	11	9.4	0.00
16/09/2022 11:40	6.4	77	11	8.3	0.00
16/09/2022 11:50	6.2	77	11	8.1	0.00
16/09/2022 12:00	6.3	78	11	8.1	0.00
16/09/2022 12:10	6.1	76	11	8.1	0.00
16/09/2022 12:20	5.9	75	12	8.1	0.00
16/09/2022 12:30	5.9	75	13	7.8	0.00
16/09/2022 12:40	5.6	74	14	7.2	0.00
16/09/2022 12:50	5.8	66	11	7.9	0.00
16/09/2022 13:00	5.9	69	12	8.0	0.00
16/09/2022 13:10	5.7	59	12	7.7	0.00
16/09/2022 13:20	5.8	61	10	7.5	0.00
16/09/2022 13:30	5.8	64	12	7.9	0.00
16/09/2022 13:40	5.7	71	12	7.9	0.00
16/09/2022 13:50	5.7	67	11	7.5	0.00
16/09/2022 14:00	5.7	70	13	7.2	0.00
16/09/2022 14:10	5.0	70	12	6.5	0.00
16/09/2022 14:20	4.4	65	15	6.4	0.00
16/09/2022 14:30	4.4	54	13	6.1	0.00
16/09/2022 14:40	4.1	63	17	5.6	0.00
16/09/2022 14:50	4.4	70	13	5.7	0.00
16/09/2022 15:00	4.1	63	15	5.8	0.00





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/09/2022 15:10	4.0	49	17	5.7	0.00
16/09/2022 15:20	4.0	42	19	5.5	0.00
16/09/2022 15:30	3.6	191	25	5.5	0.00
16/09/2022 15:40	3.8	354	19	5.5	0.00
16/09/2022 15:50	3.6	351	17	4.8	0.00
16/09/2022 16:00	3.3	352	22	4.7	0.00
16/09/2022 16:10	3.5	178	18	4.8	0.00
16/09/2022 16:20	3.5	180	16	5.1	0.00
16/09/2022 16:30	3.5	181	15	5.5	0.00
16/09/2022 16:40	3.2	178	20	4.2	0.00
16/09/2022 16:50	3.3	181	20	4.8	0.00
16/09/2022 17:00	3.7	16	17	5.4	0.00
16/09/2022 17:10	3.4	10	17	5.0	0.00
16/09/2022 17:20	3.1	183	18	4.8	0.00
16/09/2022 17:30	3.3	180	17	4.7	0.00
16/09/2022 17:40	3.5	3	15	5.1	0.00
16/09/2022 17:50	3.5	357	17	5.1	0.00
16/09/2022 18:00	3.5	3	15	4.8	0.00
16/09/2022 18:10	3.5	180	17	5.6	0.00
16/09/2022 18:20	3.4	177	16	4.9	0.00
16/09/2022 18:30	3.6	4	17	5.6	0.00
16/09/2022 18:40	3.2	321	25	4.8	0.00
16/09/2022 18:50	3.3	264	15	4.5	0.00
16/09/2022 19:00	2.9	268	21	4.4	0.00
16/09/2022 19:10	2.9	263	14	4.0	0.00
16/09/2022 19:20	2.2	281	21	3.6	0.00
16/09/2022 19:30	1.9	294	27	3.2	0.00
16/09/2022 19:40	1.9	294	25	2.8	0.00
16/09/2022 19:50	2.2	268	18	3.3	0.00
16/09/2022 20:00	3.1	261	10	4.0	0.00
16/09/2022 20:10	2.0	271	17	3.1	0.00
16/09/2022 20:20	2.7	256	7	3.3	0.00
16/09/2022 20:30	2.8	256	10	3.7	0.00
16/09/2022 20:40	2.4	254	9	3.3	0.00
16/09/2022 20:50	2.3	248	10	2.9	0.00
16/09/2022 21:00	2.1	248	10	2.9	0.00
16/09/2022 21:10	1.8	241	11	2.4	0.00
16/09/2022 21:20	1.7	243	13	2.4	0.00
16/09/2022 21:30	0.9	179	28	1.5	0.00
16/09/2022 21:40	1.9	236	10	2.4	0.00
16/09/2022 21:50	1.9	243	10	2.4	0.00
16/09/2022 22:00	3.1	247	11	4.2	0.00
16/09/2022 22:10	2.5	241	11	3.5	0.00
16/09/2022 22:20	3.0	246	10	4.0	0.00
16/09/2022 22:30	2.7	244	10	4.0	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/09/2022 22:40	2.5	247	10	3.5	0.00
16/09/2022 22:50	2.8	248	12	4.2	0.00
16/09/2022 23:00	2.6	243	12	3.3	0.00
16/09/2022 23:10	2.2	245	11	2.9	0.00
16/09/2022 23:20	2.5	246	12	3.3	0.00
16/09/2022 23:30	2.6	246	11	3.4	0.00
16/09/2022 23:40	2.7	245	11	3.6	0.00
16/09/2022 23:50	2.6	246	11	3.5	0.00
17/09/2022 00:00	2.3	247	10	3.2	0.00
17/09/2022 00:10	2.3	241	11	3.2	0.00
17/09/2022 00:20	2.0	236	15	3.1	0.00
17/09/2022 00:30	2.4	237	13	3.5	0.00
17/09/2022 00:40	1.9	245	10	2.5	0.00
17/09/2022 00:50	1.9	241	11	2.4	0.00
17/09/2022 01:00	2.3	232	13	3.2	0.00
17/09/2022 01:10	2.7	233	14	3.6	0.00
17/09/2022 01:20	2.1	226	24	3.2	0.00
17/09/2022 01:30	0.5	271	44	0.9	0.00
17/09/2022 01:40	0.9	228	24	1.5	0.00
17/09/2022 01:50	1.2	240	21	2.1	0.00
17/09/2022 02:00	1.2	252	15	1.7	0.00
17/09/2022 02:10	1.0	275	18	1.3	0.00
17/09/2022 02:20	1.2	202	43	1.9	0.00
17/09/2022 02:30	1.2	283	15	2.0	0.00
17/09/2022 02:40	1.5	257	15	2.7	0.00
17/09/2022 02:50	1.0	166	44	1.5	0.00
17/09/2022 03:00	1.3	137	26	2.0	0.00
17/09/2022 03:10	1.2	188	28	2.0	0.00
17/09/2022 03:20	1.2	232	17	1.6	0.00
17/09/2022 03:30	1.0	219	38	1.5	0.00
17/09/2022 03:40	0.7	147	26	1.0	0.00
17/09/2022 03:50	0.7	119	16	1.4	0.00
17/09/2022 04:00	0.6	194	29	1.0	0.00
17/09/2022 04:10	0.2	32	14	0.6	0.00
17/09/2022 04:20	0.2	66	20	0.8	0.00
17/09/2022 04:30	0.9	37	11	1.1	0.00
17/09/2022 04:40	0.5	175	6	0.8	0.00
17/09/2022 04:50	0.8	321	16	1.2	0.00
17/09/2022 05:00	1.0	297	9	1.3	0.00
17/09/2022 05:10	0.7	282	21	1.2	0.00
17/09/2022 05:20	0.4	282	4	1.0	0.00
17/09/2022 05:30	0.2	250	29	0.9	0.00
17/09/2022 05:40	1.0	241	14	1.5	0.00
17/09/2022 05:50	1.2	240	13	1.6	0.00
17/09/2022 06:00	0.6	212	20	1.2	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/09/2022 06:10	0.6	250	12	0.9	0.00
17/09/2022 06:20	0.3	211	12	0.8	0.00
17/09/2022 06:30	0.5	238	10	1.0	0.00
17/09/2022 06:40	0.5	149	9	1.1	0.00
17/09/2022 06:50	0.5	69	8	0.8	0.00
17/09/2022 07:00	1.0	73	11	1.6	0.00
17/09/2022 07:10	2.0	98	10	2.6	0.00
17/09/2022 07:20	2.4	109	14	3.3	0.00
17/09/2022 07:30	2.7	92	13	4.0	0.00
17/09/2022 07:40	3.0	93	13	4.2	0.00
17/09/2022 07:50	3.0	102	11	4.3	0.00
17/09/2022 08:00	3.3	98	12	4.4	0.00
17/09/2022 08:10	4.1	97	12	5.8	0.00
17/09/2022 08:20	4.3	106	13	5.5	0.00
17/09/2022 08:30	4.0	108	14	5.4	0.00
17/09/2022 08:40	4.3	104	13	5.7	0.00
17/09/2022 08:50	4.0	98	12	5.5	0.00
17/09/2022 09:00	5.0	107	10	6.5	0.00
17/09/2022 09:10	5.2	103	12	6.7	0.00
17/09/2022 09:20	5.2	95	12	6.9	0.00
17/09/2022 09:30	5.9	87	12	7.9	0.00
17/09/2022 09:40	5.8	89	11	8.3	0.00
17/09/2022 09:50	5.6	91	14	7.5	0.00
17/09/2022 10:00	6.0	83	12	8.9	0.00
17/09/2022 10:10	6.5	79	11	8.7	0.00
17/09/2022 10:20	7.4	78	10	10.2	0.00
17/09/2022 10:30	6.2	88	13	8.0	0.00
17/09/2022 10:40	5.9	84	12	8.5	0.00
17/09/2022 10:50	6.2	79	12	8.5	0.00
17/09/2022 11:00	6.1	80	12	8.3	0.00
17/09/2022 11:10	6.3	80	14	8.7	0.00
17/09/2022 11:20	6.0	77	14	8.3	0.00
17/09/2022 11:30	6.2	75	13	8.1	0.00
17/09/2022 11:40	5.9	82	13	8.2	0.00
17/09/2022 11:50	6.1	82	11	8.3	0.00
17/09/2022 12:00	5.7	82	12	7.4	0.00
17/09/2022 12:10	6.0	80	13	7.7	0.00
17/09/2022 12:20	6.0	70	13	7.9	0.00
17/09/2022 12:30	6.2	74	13	8.7	0.00
17/09/2022 12:40	5.8	78	13	7.8	0.00
17/09/2022 12:50	5.8	71	15	7.6	0.00
17/09/2022 13:00	5.8	71	14	8.9	0.00
17/09/2022 13:10	5.3	67	13	7.5	0.00
17/09/2022 13:20	6.1	72	12	8.3	0.00
17/09/2022 13:30	5.9	72	12	8.5	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/09/2022 13:40	5.1	72	13	7.4	0.00
17/09/2022 13:50	5.4	72	12	7.7	0.00
17/09/2022 14:00	5.3	71	12	7.0	0.00
17/09/2022 14:10	5.2	58	12	6.9	0.00
17/09/2022 14:20	5.3	67	12	7.4	0.00
17/09/2022 14:30	4.7	67	14	6.8	0.00
17/09/2022 14:40	5.2	49	14	6.8	0.00
17/09/2022 14:50	5.0	52	12	6.9	0.00
17/09/2022 15:00	4.6	51	12	6.1	0.00
17/09/2022 15:10	4.3	55	19	5.7	0.00
17/09/2022 15:20	4.0	63	13	5.6	0.00
17/09/2022 15:30	3.7	45	20	5.6	0.00
17/09/2022 15:40	3.2	17	19	4.4	0.00
17/09/2022 15:50	3.5	194	22	5.0	0.00
17/09/2022 16:00	3.4	354	15	4.9	0.00
17/09/2022 16:10	3.7	176	16	5.5	0.00
17/09/2022 16:20	3.5	180	20	5.0	0.00
17/09/2022 16:30	3.5	353	19	5.2	0.00
17/09/2022 16:40	3.8	352	16	5.3	0.00
17/09/2022 16:50	3.5	352	17	4.8	0.00
17/09/2022 17:00	3.3	351	15	4.9	0.00
17/09/2022 17:10	3.8	349	15	5.3	0.00
17/09/2022 17:20	3.9	178	16	5.6	0.00
17/09/2022 17:30	4.0	180	15	5.5	0.00
17/09/2022 17:40	4.2	3	14	5.7	0.00
17/09/2022 17:50	3.9	357	17	5.5	0.00
17/09/2022 18:00	4.1	355	18	5.8	0.00
17/09/2022 18:10	4.2	352	16	5.9	0.00
17/09/2022 18:20	3.6	8	14	5.5	0.00
17/09/2022 18:30	3.8	10	18	5.5	0.00
17/09/2022 18:40	3.5	6	18	4.6	0.00
17/09/2022 18:50	3.4	345	17	4.9	0.00
17/09/2022 19:00	3.5	348	19	5.5	0.00
17/09/2022 19:10	3.9	336	15	5.6	0.00
17/09/2022 19:20	4.5	340	14	6.6	0.00
17/09/2022 19:30	4.0	343	17	6.0	0.00
17/09/2022 19:40	3.2	322	16	4.6	0.00
17/09/2022 19:50	3.3	319	15	4.7	0.00
17/09/2022 20:00	3.1	316	13	4.6	0.00
17/09/2022 20:10	2.9	312	16	4.4	0.00
17/09/2022 20:20	3.2	313	14	4.5	0.00
17/09/2022 20:30	2.5	313	16	4.0	0.00
17/09/2022 20:40	2.3	309	16	3.5	0.00
17/09/2022 20:50	2.3	310	17	3.4	0.00
17/09/2022 21:00	2.5	312	17	4.0	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/09/2022 21:10	2.2	305	19	3.6	0.00
17/09/2022 21:20	2.2	309	19	3.6	0.00
17/09/2022 21:30	2.0	306	17	3.2	0.00
17/09/2022 21:40	0.8	305	59	1.6	0.00
17/09/2022 21:50	1.1	266	57	2.2	0.00
17/09/2022 22:00	1.3	279	38	2.4	0.00
17/09/2022 22:10	1.2	264	31	2.1	0.00
17/09/2022 22:20	0.7	125	51	1.2	0.00
17/09/2022 22:30	1.2	237	18	2.0	0.00
17/09/2022 22:40	1.5	239	13	2.1	0.00
17/09/2022 22:50	1.2	238	19	1.7	0.00
17/09/2022 23:00	0.9	231	18	1.5	0.00
17/09/2022 23:10	0.6	137	46	1.0	0.00
17/09/2022 23:20	1.5	235	10	2.1	0.00
17/09/2022 23:30	1.1	242	43	2.0	0.00
17/09/2022 23:40	1.4	249	10	2.0	0.00
17/09/2022 23:50	0.7	140	33	1.3	0.00
18/09/2022 00:00	1.0	293	22	1.6	0.00
18/09/2022 00:10	1.8	238	11	2.2	0.00
18/09/2022 00:20	1.9	239	11	2.4	0.00
18/09/2022 00:30	2.2	243	10	2.9	0.00
18/09/2022 00:40	1.9	243	11	2.7	0.00
18/09/2022 00:50	1.9	248	10	2.4	0.00
18/09/2022 01:00	1.7	247	9	2.0	0.00
18/09/2022 01:10	1.4	246	11	1.8	0.00
18/09/2022 01:20	1.1	245	12	1.6	0.00
18/09/2022 01:30	0.8	266	14	1.2	0.00
18/09/2022 01:40	0.8	236	18	1.2	0.00
18/09/2022 01:50	1.1	245	11	1.3	0.00
18/09/2022 02:00	1.0	255	10	1.3	0.00
18/09/2022 02:10	0.2	246	6	0.8	0.00
18/09/2022 02:20					0.00
18/09/2022 02:30	0.0	286	5	0.6	0.00
18/09/2022 02:40	1.2	249	18	1.7	0.00
18/09/2022 02:50	1.9	240	13	2.6	0.00
18/09/2022 03:00	1.2	240	17	1.7	0.00
18/09/2022 03:10	1.0	233	13	1.6	0.00
18/09/2022 03:20	1.2	253	15	1.6	0.00
18/09/2022 03:30	1.9	247	10	2.5	0.00
18/09/2022 03:40	2.1	252	10	2.8	0.00
18/09/2022 03:50	2.1	254	8	2.8	0.00
18/09/2022 04:00	2.1	251	9	2.6	0.00
18/09/2022 04:10	2.3	252	9	2.8	0.00
18/09/2022 04:20	2.4	249	10	3.1	0.00
18/09/2022 04:30	2.6	250	10	3.2	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/09/2022 04:40	2.1	253	10	2.8	0.00
18/09/2022 04:50	2.3	249	10	2.9	0.00
18/09/2022 05:00	2.9	256	10	3.6	0.00
18/09/2022 05:10	2.3	249	9	2.8	0.00
18/09/2022 05:20	2.3	247	10	3.2	0.00
18/09/2022 05:30	2.8	247	13	4.0	0.00
18/09/2022 05:40	2.5	253	11	3.2	0.00
18/09/2022 05:50	2.4	259	11	3.0	0.00
18/09/2022 06:00	2.4	253	11	3.1	0.00
18/09/2022 06:10	2.1	248	10	2.8	0.00
18/09/2022 06:20	2.4	254	10	3.0	0.00
18/09/2022 06:30	2.4	252	10	3.2	0.00
18/09/2022 06:40	2.1	252	11	2.5	0.00
18/09/2022 06:50	2.2	250	12	3.0	0.00
18/09/2022 07:00	1.9	250	14	2.6	0.00
18/09/2022 07:10	2.1	244	14	2.8	0.00
18/09/2022 07:20	2.1	241	12	2.8	0.00
18/09/2022 07:30	2.1	231	15	2.9	0.00
18/09/2022 07:40	2.0	230	17	3.0	0.00
18/09/2022 07:50	2.2	218	20	3.4	0.00
18/09/2022 08:00	2.3	219	27	3.9	0.00
18/09/2022 08:10	3.0	225	17	4.4	0.00
18/09/2022 08:20	3.1	226	17	4.6	0.00
18/09/2022 08:30	3.4	229	19	4.8	0.00
18/09/2022 08:40	3.4	220	17	4.8	0.00
18/09/2022 08:50	3.7	225	15	5.1	0.00
18/09/2022 09:00	3.7	231	14	5.1	0.00
18/09/2022 09:10	4.3	226	13	6.4	0.00
18/09/2022 09:20	4.4	228	14	6.1	0.00
18/09/2022 09:30	3.5	233	17	4.8	0.00
18/09/2022 09:40	3.7	226	19	4.8	0.00
18/09/2022 09:50	3.6	236	15	5.4	0.00
18/09/2022 10:00	3.8	227	18	5.4	0.00
18/09/2022 10:10	4.0	247	14	5.2	0.00
18/09/2022 10:20	4.6	254	10	6.0	0.00
18/09/2022 10:30	4.0	259	16	5.3	0.00
18/09/2022 10:40	4.3	268	15	5.7	0.00
18/09/2022 10:50	4.3	259	10	5.5	0.00
18/09/2022 11:00	3.8	253	14	5.0	0.00
18/09/2022 11:10	4.2	266	15	5.6	0.00
18/09/2022 11:20	4.1	275	16	5.3	0.00
18/09/2022 11:30	4.8	273	14	6.4	0.00
18/09/2022 11:40	4.8	277	13	6.0	0.00
18/09/2022 11:50	5.1	271	13	6.5	0.00
18/09/2022 12:00	5.1	279	14	6.4	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/09/2022 12:10	5.4	273	13	7.2	0.00
18/09/2022 12:20	5.6	265	13	7.3	0.00
18/09/2022 12:30	6.0	263	12	7.9	0.00
18/09/2022 12:40	5.7	269	16	7.7	0.00
18/09/2022 12:50	5.9	265	11	7.7	0.00
18/09/2022 13:00	5.4	262	14	7.1	0.00
18/09/2022 13:10	5.6	255	13	7.6	0.00
18/09/2022 13:20	5.9	263	12	7.5	0.00
18/09/2022 13:30	5.7	262	12	7.4	0.00
18/09/2022 13:40	5.7	263	10	7.9	0.00
18/09/2022 13:50	5.0	249	13	6.4	0.00
18/09/2022 14:00	4.5	249	13	6.1	0.00
18/09/2022 14:10	5.0	254	13	6.9	0.00
18/09/2022 14:20	4.8	252	13	6.4	0.00
18/09/2022 14:30	4.4	255	12	6.2	0.00
18/09/2022 14:40	5.3	248	11	6.9	0.00
18/09/2022 14:50	5.5	249	11	7.2	0.00
18/09/2022 15:00	5.4	253	11	7.7	0.00
18/09/2022 15:10	6.3	252	12	8.5	0.00
18/09/2022 15:20	5.3	257	12	7.3	0.00
18/09/2022 15:30	5.5	255	12	7.9	0.00
18/09/2022 15:40	5.0	253	12	7.0	0.00
18/09/2022 15:50	5.1	263	12	7.0	0.00
18/09/2022 16:00	4.9	265	13	6.6	0.00
18/09/2022 16:10	5.1	260	12	7.0	0.00
18/09/2022 16:20	5.3	262	10	7.2	0.00
18/09/2022 16:30	5.0	263	13	7.2	0.00
18/09/2022 16:40	4.1	254	13	5.4	0.00
18/09/2022 16:50	4.8	264	12	6.5	0.00
18/09/2022 17:00	5.2	263	13	7.2	0.00
18/09/2022 17:10	5.0	260	11	6.4	0.00
18/09/2022 17:20	4.7	259	12	6.2	0.00
18/09/2022 17:30	4.9	260	9	7.0	0.00
18/09/2022 17:40	4.4	262	12	6.0	0.00
18/09/2022 17:50	3.6	262	12	5.3	0.00
18/09/2022 18:00	4.0	259	11	5.4	0.00
18/09/2022 18:10	4.1	263	11	5.6	0.00
18/09/2022 18:20	4.0	261	10	5.2	0.00
18/09/2022 18:30	4.2	261	9	5.3	0.00
18/09/2022 18:40	3.7	263	11	4.7	0.00
18/09/2022 18:50	3.3	262	10	4.4	0.00
18/09/2022 19:00	3.1	259	11	4.0	0.00
18/09/2022 19:10	2.9	266	12	3.7	0.00
18/09/2022 19:20	3.0	262	11	3.9	0.00
18/09/2022 19:30	3.0	260	11	4.6	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/09/2022 19:40	3.9	261	9	5.3	0.00
18/09/2022 19:50	4.3	264	10	6.1	0.00
18/09/2022 20:00	4.7	260	9	6.4	0.00
18/09/2022 20:10	4.7	264	9	6.4	0.00
18/09/2022 20:20	4.9	265	9	6.3	0.00
18/09/2022 20:30	5.1	264	9	6.5	0.00
18/09/2022 20:40	4.7	265	10	6.2	0.00
18/09/2022 20:50	4.9	265	10	6.5	0.00
18/09/2022 21:00	4.4	264	11	6.1	0.00
18/09/2022 21:10	4.8	264	9	6.4	0.00
18/09/2022 21:20	4.3	258	12	6.1	0.00
18/09/2022 21:30	4.2	262	11	5.9	0.00
18/09/2022 21:40	4.0	261	12	5.9	0.00
18/09/2022 21:50	4.7	264	10	6.1	0.00
18/09/2022 22:00	4.1	260	12	5.8	0.00
18/09/2022 22:10	3.7	261	12	5.1	0.00
18/09/2022 22:20	2.9	262	11	4.4	0.00
18/09/2022 22:30	3.0	263	10	4.1	0.00
18/09/2022 22:40	3.1	266	11	4.5	0.00
18/09/2022 22:50	3.0	266	11	4.4	0.00
18/09/2022 23:00	2.8	268	12	4.0	0.00
18/09/2022 23:10	2.9	268	13	3.9	0.00
18/09/2022 23:20	3.5	267	12	4.4	0.00
18/09/2022 23:30	3.6	267	13	5.2	0.00
18/09/2022 23:40	5.2	263	12	6.5	0.00
18/09/2022 23:50	5.0	260	10	6.7	0.00
19/09/2022 00:00	5.2	260	11	7.3	0.00
19/09/2022 00:10	5.1	263	11	7.3	0.00
19/09/2022 00:20	5.4	262	10	7.5	0.00
19/09/2022 00:30	4.8	261	11	6.5	0.00
19/09/2022 00:40	5.7	263	10	7.2	0.00
19/09/2022 00:50	5.6	264	10	7.5	0.00
19/09/2022 01:00	5.3	263	10	6.7	0.00
19/09/2022 01:10	5.5	263	11	8.1	0.00
19/09/2022 01:20	5.4	254	12	7.4	0.00
19/09/2022 01:30	5.6	254	10	7.3	0.00
19/09/2022 01:40	5.2	256	12	6.8	0.00
19/09/2022 01:50	5.2	256	11	6.9	0.00
19/09/2022 02:00	4.8	254	12	6.8	0.00
19/09/2022 02:10	5.8	253	11	8.0	0.00
19/09/2022 02:20	5.3	256	10	7.4	0.00
19/09/2022 02:30	4.5	254	12	6.5	0.00
19/09/2022 02:40	5.3	254	12	7.5	0.00
19/09/2022 02:50	5.7	255	13	8.6	0.00
19/09/2022 03:00	4.8	253	12	6.8	0.00





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/09/2022 03:10	5.9	255	12	8.0	0.00
19/09/2022 03:20	5.5	250	12	7.5	0.00
19/09/2022 03:30	4.7	253	11	7.0	0.00
19/09/2022 03:40	4.8	246	14	7.2	0.00
19/09/2022 03:50	5.2	246	11	6.9	0.00
19/09/2022 04:00	4.3	250	12	6.5	0.00
19/09/2022 04:10	5.0	250	13	6.8	0.00
19/09/2022 04:20	5.0	253	14	7.0	0.00
19/09/2022 04:30	5.1	245	11	7.1	0.00
19/09/2022 04:40	5.0	248	12	7.2	0.00
19/09/2022 04:50	5.4	253	11	7.5	0.00
19/09/2022 05:00	5.9	253	12	8.2	0.00
19/09/2022 05:10	5.4	249	13	7.9	0.00
19/09/2022 05:20	5.8	250	12	8.0	0.00
19/09/2022 05:30	5.9	251	13	8.2	0.00
19/09/2022 05:40	5.6	248	13	8.3	0.00
19/09/2022 05:50	5.6	241	14	7.8	0.00
19/09/2022 06:00	5.5	246	13	7.9	0.00
19/09/2022 06:10	5.5	247	13	7.3	0.00
19/09/2022 06:20	5.9	248	13	8.7	0.00
19/09/2022 06:30	5.6	245	13	8.3	0.00
19/09/2022 06:40	5.6	249	11	8.1	0.00
19/09/2022 06:50	5.1	248	14	7.1	0.00
19/09/2022 07:00	5.5	245	12	7.5	0.00
19/09/2022 07:10	5.7	251	11	7.9	0.00
19/09/2022 07:20	5.0	246	14	7.1	0.00
19/09/2022 07:30	4.7	241	14	7.4	0.00
19/09/2022 07:40	5.7	240	12	8.2	0.00
19/09/2022 07:50	5.8	238	13	7.5	0.00
19/09/2022 08:00	5.4	237	16	7.6	0.00
19/09/2022 08:10	6.5	228	15	9.3	0.00
19/09/2022 08:20	5.1	233	15	7.1	0.00
19/09/2022 08:30	5.8	234	19	8.4	0.00
19/09/2022 08:40	6.3	229	13	8.8	0.00
19/09/2022 08:50	6.3	233	15	9.0	0.00
19/09/2022 09:00	5.7	228	18	7.9	0.00
19/09/2022 09:10	6.1	234	15	8.6	0.00
19/09/2022 09:20	5.4	238	14	7.8	0.00
19/09/2022 09:30	5.9	234	16	8.1	0.00
19/09/2022 09:40	6.3	240	11	8.4	0.00
19/09/2022 09:50	6.0	234	19	8.9	0.00
19/09/2022 10:00	6.1	232	16	8.8	0.00
19/09/2022 10:10	5.9	239	14	8.7	0.00
19/09/2022 10:20	6.4	234	17	8.8	0.00
19/09/2022 10:30	6.0	239	18	8.3	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/09/2022 10:40	6.3	237	14	9.1	0.00
19/09/2022 10:50	6.2	238	13	8.8	0.00
19/09/2022 11:00	6.0	239	17	8.6	0.00
19/09/2022 11:10	7.0	243	13	9.8	0.00
19/09/2022 11:20	5.8	236	15	8.4	0.00
19/09/2022 11:30	6.2	228	15	9.2	0.00
19/09/2022 11:40	6.4	236	16	9.2	0.00
19/09/2022 11:50	6.2	237	13	8.7	0.00
19/09/2022 12:00	6.9	242	19	9.9	0.00
19/09/2022 12:10	7.2	237	17	10.3	0.00
19/09/2022 12:20	6.9	240	17	9.9	0.00
19/09/2022 12:30	7.2	230	14	9.8	0.00
19/09/2022 12:40	6.5	234	18	9.6	0.00
19/09/2022 12:50	6.2	235	15	9.5	0.00
19/09/2022 13:00	6.5	234	18	9.7	0.00
19/09/2022 13:10	6.2	229	17	8.7	0.00
19/09/2022 13:20	6.8	227	20	10.2	0.00
19/09/2022 13:30	7.1	229	16	10.3	0.00
19/09/2022 13:40	6.7	230	15	9.3	0.00
19/09/2022 13:50	7.1	227	17	10.2	0.00
19/09/2022 14:00	7.1	232	17	10.3	0.00
19/09/2022 14:10	6.7	229	14	10.5	0.00
19/09/2022 14:20	6.2	229	17	9.1	0.00
19/09/2022 14:30	6.0	225	22	8.7	0.00
19/09/2022 14:40	6.6	237	17	8.9	0.00
19/09/2022 14:50	6.7	234	15	9.0	0.00
19/09/2022 15:00	7.0	227	17	10.2	0.00
19/09/2022 15:10	7.1	244	16	10.2	0.00
19/09/2022 15:20	7.8	260	14	10.4	0.00
19/09/2022 15:30	8.1	261	12	11.1	0.00
19/09/2022 15:40	8.0	264	12	10.3	0.00
19/09/2022 15:50	8.1	262	9	11.1	0.00
19/09/2022 16:00	8.0	261	12	10.9	0.00
19/09/2022 16:10	7.9	261	11	10.2	0.00
19/09/2022 16:20	8.1	261	12	10.8	0.00
19/09/2022 16:30	8.0	260	12	10.3	0.00
19/09/2022 16:40	7.9	258	12	10.1	0.00
19/09/2022 16:50	7.7	263	10	11.1	0.00
19/09/2022 17:00	7.2	261	12	10.2	0.00
19/09/2022 17:10	7.1	259	11	10.0	0.00
19/09/2022 17:20	7.2	257	11	9.8	0.00
19/09/2022 17:30	7.7	256	11	10.0	0.00
19/09/2022 17:40	7.1	262	9	9.4	0.00
19/09/2022 17:50	7.6	257	11	10.2	0.00
19/09/2022 18:00	6.9	258	12	9.2	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/09/2022 18:10	6.7	256	11	8.6	0.00
19/09/2022 18:20	6.9	255	11	9.9	0.00
19/09/2022 18:30	6.3	256	11	8.7	0.00
19/09/2022 18:40	6.0	253	14	8.6	0.00
19/09/2022 18:50	6.0	260	11	8.1	0.00
19/09/2022 19:00	6.2	255	12	7.9	0.00
19/09/2022 19:10	5.5	255	10	7.4	0.00
19/09/2022 19:20	5.7	256	12	7.7	0.00
19/09/2022 19:30	5.7	257	12	7.4	0.00
19/09/2022 19:40	4.6	257	12	6.0	0.00
19/09/2022 19:50	4.4	252	13	6.0	0.00
19/09/2022 20:00	3.9	255	13	5.6	0.00
19/09/2022 20:10	3.5	249	12	4.7	0.00
19/09/2022 20:20	3.4	246	11	4.6	0.00
19/09/2022 20:30	3.1	251	13	4.3	0.00
19/09/2022 20:40	3.3	248	11	4.4	0.00
19/09/2022 20:50	3.3	245	14	4.8	0.00
19/09/2022 21:00	3.4	235	17	4.8	0.00
19/09/2022 21:10	3.5	230	15	5.2	0.00
19/09/2022 21:20	3.9	231	14	5.8	0.00
19/09/2022 21:30	3.7	231	15	5.2	0.00
19/09/2022 21:40	3.7	230	13	5.2	0.00
19/09/2022 21:50	3.5	232	15	5.2	0.00
19/09/2022 22:00	3.8	230	15	5.2	0.00
19/09/2022 22:10	3.7	228	16	5.2	0.00
19/09/2022 22:20	3.9	227	14	5.6	0.00
19/09/2022 22:30	3.6	228	13	5.2	0.00
19/09/2022 22:40	3.0	224	16	4.3	0.00
19/09/2022 22:50	3.1	227	16	4.8	0.00
19/09/2022 23:00	3.1	225	14	5.2	0.00
19/09/2022 23:10	3.3	226	17	5.3	0.00
19/09/2022 23:20	3.9	227	16	6.2	0.00
19/09/2022 23:30	3.7	228	17	5.7	0.00
19/09/2022 23:40	3.8	224	15	6.4	0.00
19/09/2022 23:50	5.2	219	15	7.3	0.00
20/09/2022 00:00	5.4	219	16	7.6	0.00
20/09/2022 00:10	4.9	216	17	6.5	0.00
20/09/2022 00:20	5.0	219	16	7.2	0.00
20/09/2022 00:30	4.9	217	14	6.6	0.00
20/09/2022 00:40	4.3	218	32	6.3	0.00
20/09/2022 00:50	3.2	226	55	6.0	0.00
20/09/2022 01:00	3.1	228	53	5.4	0.00
20/09/2022 01:10	2.4	257	67	4.8	0.00
20/09/2022 01:20	2.0	213	86	3.4	0.00
20/09/2022 01:30	1.9	185	88	3.6	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/09/2022 01:40	2.4	122	87	4.4	0.00
20/09/2022 01:50	2.3	93	86	3.9	0.00
20/09/2022 02:00	2.7	74	85	4.1	0.00
20/09/2022 02:10	2.6	71	82	4.4	0.00
20/09/2022 02:20	2.2	31	83	3.5	0.00
20/09/2022 02:30	2.1	347	84	3.7	0.00
20/09/2022 02:40	2.4	355	93	3.7	0.00
20/09/2022 02:50	2.4	331	84	3.8	0.00
20/09/2022 03:00	2.0	352	81	3.2	0.00
20/09/2022 03:10	2.0	23	82	3.7	0.00
20/09/2022 03:20	2.1	178	93	3.5	0.00
20/09/2022 03:30	1.9	215	91	3.2	0.00
20/09/2022 03:40	1.8	186	91	3.5	0.00
20/09/2022 03:50	1.5	177	88	2.3	0.00
20/09/2022 04:00	1.7	212	87	3.1	0.00
20/09/2022 04:10	1.8	22	79	3.1	0.00
20/09/2022 04:20	1.8	189	80	3.3	0.00
20/09/2022 04:30	2.0	60	94	3.8	0.00
20/09/2022 04:40	2.0	85	85	3.5	0.00
20/09/2022 04:50	2.1	84	87	3.8	0.00
20/09/2022 05:00	2.0	104	79	4.6	0.00
20/09/2022 05:10	1.7	105	73	2.9	0.00
20/09/2022 05:20	1.5	77	80	2.6	0.00
20/09/2022 05:30	1.5	125	72	2.4	0.00
20/09/2022 05:40	1.3	114	76	2.4	0.00
20/09/2022 05:50	1.4	131	71	2.4	0.00
20/09/2022 06:00	1.5	120	57	2.1	0.00
20/09/2022 06:10	1.7	132	55	2.7	0.00
20/09/2022 06:20	1.5	132	53	2.1	0.00
20/09/2022 06:30	1.8	140	50	2.8	0.00
20/09/2022 06:40	2.4	143	29	4.1	0.00
20/09/2022 06:50	2.8	142	19	4.2	0.00
20/09/2022 07:00	2.9	141	32	5.1	0.00
20/09/2022 07:10	3.3	142	21	4.9	0.00
20/09/2022 07:20	3.0	144	28	4.7	0.00
20/09/2022 07:30	3.1	141	32	4.8	0.00
20/09/2022 07:40	2.8	134	38	4.5	0.00
20/09/2022 07:50	3.5	138	23	6.0	0.00
20/09/2022 08:00	3.8	138	20	6.7	0.00
20/09/2022 08:10	3.8	136	21	5.8	0.00
20/09/2022 08:20	4.0	136	22	6.0	0.00
20/09/2022 08:30	3.9	132	14	5.6	0.00
20/09/2022 08:40	3.8	134	19	5.6	0.00
20/09/2022 08:50	3.4	126	19	5.2	0.00
20/09/2022 09:00	3.9	133	17	5.6	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/09/2022 09:10	4.4	134	15	6.2	0.00
20/09/2022 09:20	4.0	125	18	6.4	0.00
20/09/2022 09:30	4.5	126	15	6.9	0.00
20/09/2022 09:40	4.3	134	25	6.6	0.00
20/09/2022 09:50	4.7	122	15	7.2	0.00
20/09/2022 10:00	4.5	123	16	6.6	0.00
20/09/2022 10:10	4.6	108	16	6.5	0.00
20/09/2022 10:20	4.1	114	19	6.0	0.00
20/09/2022 10:30	4.5	105	14	6.6	0.00
20/09/2022 10:40	4.8	104	13	6.4	0.00
20/09/2022 10:50	4.0	103	18	5.8	0.00
20/09/2022 11:00	3.7	112	25	6.0	0.00
20/09/2022 11:10	4.1	97	16	6.1	0.00
20/09/2022 11:20	3.3	97	18	5.3	0.00
20/09/2022 11:30	4.2	91	15	6.1	0.00
20/09/2022 11:40	3.7	98	16	5.6	0.00
20/09/2022 11:50	3.9	106	15	6.4	0.00
20/09/2022 12:00	4.2	94	17	6.3	0.00
20/09/2022 12:10	3.7	85	17	6.0	0.00
20/09/2022 12:20	3.3	74	21	5.3	0.00
20/09/2022 12:30	3.2	60	13	5.3	0.00
20/09/2022 12:40	3.4	66	20	5.0	0.00
20/09/2022 12:50	3.2	72	21	5.3	0.00
20/09/2022 13:00	3.3	51	17	5.0	0.00
20/09/2022 13:10	2.9	66	21	4.8	0.00
20/09/2022 13:20	3.0	64	22	4.8	0.00
20/09/2022 13:30	3.5	62	21	5.0	0.00
20/09/2022 13:40	3.1	71	22	4.5	0.00
20/09/2022 13:50	2.7	59	18	4.4	0.00
20/09/2022 14:00	2.6	83	26	4.2	0.00
20/09/2022 14:10	3.5	79	18	4.7	0.00
20/09/2022 14:20	3.8	67	16	5.2	0.00
20/09/2022 14:30	3.3	68	18	5.0	0.00
20/09/2022 14:40	3.4	75	23	5.3	0.00
20/09/2022 14:50	3.0	61	25	4.4	0.00
20/09/2022 15:00	3.0	48	19	4.8	0.00
20/09/2022 15:10	2.5	31	40	4.4	0.00
20/09/2022 15:20	2.9	170	22	4.9	0.00
20/09/2022 15:30	3.3	330	19	4.8	0.00
20/09/2022 15:40	3.5	345	22	4.9	0.00
20/09/2022 15:50	3.3	351	20	4.9	0.00
20/09/2022 16:00	3.2	357	22	4.6	0.00
20/09/2022 16:10	3.2	353	18	4.2	0.00
20/09/2022 16:20	3.0	345	20	4.7	0.00
20/09/2022 16:30	2.8	338	18	3.8	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/09/2022 16:40	2.9	312	30	4.8	0.00
20/09/2022 16:50	3.3	296	20	4.8	0.00
20/09/2022 17:00	3.3	293	18	4.4	0.00
20/09/2022 17:10	3.2	298	14	4.4	0.00
20/09/2022 17:20	3.1	282	18	4.9	0.00
20/09/2022 17:30	3.3	293	15	4.6	0.00
20/09/2022 17:40	3.0	291	20	4.5	0.00
20/09/2022 17:50	3.1	300	12	4.5	0.00
20/09/2022 18:00	3.1	303	13	4.4	0.00
20/09/2022 18:10	3.3	276	17	4.9	0.00
20/09/2022 18:20	3.4	265	13	4.8	0.00
20/09/2022 18:30	3.6	274	15	5.2	0.00
20/09/2022 18:40	3.7	280	15	4.9	0.00
20/09/2022 18:50	3.6	268	13	4.8	0.00
20/09/2022 19:00	3.4	270	14	4.9	0.00
20/09/2022 19:10	3.9	263	11	4.9	0.00
20/09/2022 19:20	3.9	264	11	5.0	0.00
20/09/2022 19:30	3.7	266	12	4.8	0.00
20/09/2022 19:40	3.7	263	10	5.0	0.00
20/09/2022 19:50	3.7	263	10	4.8	0.00
20/09/2022 20:00	3.5	262	9	4.7	0.00
20/09/2022 20:10	3.6	259	9	4.7	0.00
20/09/2022 20:20	3.6	259	9	4.4	0.00
20/09/2022 20:30	3.7	258	10	4.8	0.00
20/09/2022 20:40	3.3	257	9	4.4	0.00
20/09/2022 20:50	3.5	258	9	4.4	0.00
20/09/2022 21:00	3.5	259	10	4.3	0.00
20/09/2022 21:10	3.2	261	8	4.3	0.00
20/09/2022 21:20	3.5	256	9	4.4	0.00
20/09/2022 21:30	3.3	258	9	4.4	0.00
20/09/2022 21:40	3.0	255	11	3.8	0.00
20/09/2022 21:50	3.3	256	11	4.4	0.00
20/09/2022 22:00	3.0	255	10	4.0	0.00
20/09/2022 22:10	2.7	254	9	3.8	0.00
20/09/2022 22:20	2.8	251	11	4.0	0.00
20/09/2022 22:30	1.9	238	11	2.5	0.00
20/09/2022 22:40	1.5	241	10	2.1	0.00
20/09/2022 22:50	1.5	237	9	2.0	0.00
20/09/2022 23:00	1.4	237	10	1.8	0.00
20/09/2022 23:10	1.1	239	12	1.5	0.00
20/09/2022 23:20	1.4	235	8	1.7	0.00
20/09/2022 23:30	1.4	230	7	1.8	0.00
20/09/2022 23:40	1.3	232	10	1.6	0.00
20/09/2022 23:50	0.9	231	13	1.4	0.00
21/09/2022 00:00	0.8	228	16	1.4	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/09/2022 00:10	1.0	226	10	1.6	0.00
21/09/2022 00:20	1.0	241	12	1.3	0.00
21/09/2022 00:30	1.2	248	9	1.6	0.00
21/09/2022 00:40	1.2	241	9	1.6	0.00
21/09/2022 00:50	1.3	251	9	1.6	0.00
21/09/2022 01:00	1.1	251	12	1.7	0.00
21/09/2022 01:10	0.0	232	0	0.4	0.00
21/09/2022 01:20	0.3	277	10	0.8	0.00
21/09/2022 01:30	0.0	102	0	0.4	0.00
21/09/2022 01:40	0.4	303	3	0.9	0.00
21/09/2022 01:50	0.3	297	13	0.8	0.00
21/09/2022 02:00	0.4	181	11	0.8	0.00
21/09/2022 02:10	0.3	272	7	0.6	0.00
21/09/2022 02:20	0.6	291	3	0.9	0.00
21/09/2022 02:30	0.5	297	5	1.0	0.00
21/09/2022 02:40	0.7	263	10	1.1	0.00
21/09/2022 02:50	0.3	290	5	0.8	0.00
21/09/2022 03:00	0.6	168	61	1.2	0.00
21/09/2022 03:10	0.4	174	44	0.8	0.00
21/09/2022 03:20	0.1	94	1	0.6	0.00
21/09/2022 03:30	0.6	288	10	1.2	0.00
21/09/2022 03:40	0.3	245	10	0.9	0.00
21/09/2022 03:50	0.4	290	4	1.0	0.00
21/09/2022 04:00	0.3	277	9	1.0	0.00
21/09/2022 04:10	0.5	206	24	1.2	0.00
21/09/2022 04:20	0.2	88	8	0.9	0.00
21/09/2022 04:30	0.2	188	14	0.7	0.00
21/09/2022 04:40	0.4	266	42	0.8	0.00
21/09/2022 04:50	0.3	234	40	0.8	0.00
21/09/2022 05:00	0.6	221	36	1.1	0.00
21/09/2022 05:10	0.5	198	35	1.5	0.00
21/09/2022 05:20	0.2	280	13	0.8	0.00
21/09/2022 05:30	0.2	90	5	0.8	0.00
21/09/2022 05:40	0.7	133	17	0.9	0.00
21/09/2022 05:50	0.9	134	18	1.2	0.00
21/09/2022 06:00	0.6	144	12	1.1	0.00
21/09/2022 06:10	0.5	213	38	1.0	0.00
21/09/2022 06:20	0.6	151	33	1.3	0.00
21/09/2022 06:30	1.2	93	14	1.7	0.00
21/09/2022 06:40	1.7	100	7	2.2	0.00
21/09/2022 06:50	2.0	94	10	2.6	0.00
21/09/2022 07:00	2.6	87	11	3.8	0.00
21/09/2022 07:10	2.8	92	11	4.0	0.00
21/09/2022 07:20	2.6	90	12	3.5	0.00
21/09/2022 07:30	3.2	98	12	4.5	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/09/2022 07:40	3.8	102	13	5.6	0.00
21/09/2022 07:50	4.0	96	12	5.6	0.00
21/09/2022 08:00	4.0	100	13	5.9	0.00
21/09/2022 08:10	3.9	90	12	5.5	0.00
21/09/2022 08:20	4.1	103	13	5.5	0.00
21/09/2022 08:30	4.5	104	10	6.0	0.00
21/09/2022 08:40	4.5	98	14	6.1	0.00
21/09/2022 08:50	4.3	104	11	5.8	0.00
21/09/2022 09:00	4.6	90	12	6.1	0.00
21/09/2022 09:10	5.3	89	12	7.3	0.00
21/09/2022 09:20	5.0	86	14	7.0	0.00
21/09/2022 09:30	5.4	88	11	7.8	0.00
21/09/2022 09:40	5.5	87	11	6.9	0.00
21/09/2022 09:50	5.1	84	14	7.3	0.00
21/09/2022 10:00	5.3	92	12	7.3	0.00
21/09/2022 10:10	5.2	89	12	7.8	0.00
21/09/2022 10:20	5.6	71	13	7.9	0.00
21/09/2022 10:30	5.6	78	14	8.0	0.00
21/09/2022 10:40	6.0	75	12	7.8	0.00
21/09/2022 10:50	5.6	82	10	7.6	0.00
21/09/2022 11:00	5.9	74	11	7.9	0.00
21/09/2022 11:10	5.9	85	12	8.0	0.00
21/09/2022 11:20	5.2	83	13	7.8	0.00
21/09/2022 11:30	5.0	77	13	7.0	0.00
21/09/2022 11:40	5.1	82	12	6.8	0.00
21/09/2022 11:50	5.0	77	12	6.8	0.00
21/09/2022 12:00	5.1	77	13	6.8	0.00
21/09/2022 12:10	5.4	84	13	7.9	0.00
21/09/2022 12:20	5.7	85	13	7.8	0.00
21/09/2022 12:30	5.1	84	13	7.4	0.00
21/09/2022 12:40	6.1	80	11	7.9	0.00
21/09/2022 12:50	5.1	77	16	7.3	0.00
21/09/2022 13:00	5.1	85	11	7.1	0.00
21/09/2022 13:10	5.0	89	14	6.9	0.00
21/09/2022 13:20	5.3	87	12	7.4	0.00
21/09/2022 13:30	5.0	88	14	6.8	0.00
21/09/2022 13:40	5.3	90	11	7.0	0.00
21/09/2022 13:50	5.4	87	12	7.1	0.00
21/09/2022 14:00	4.4	82	13	6.4	0.00
21/09/2022 14:10	4.7	81	15	7.1	0.00
21/09/2022 14:20	4.9	84	15	7.3	0.00
21/09/2022 14:30	5.3	80	10	7.1	0.00
21/09/2022 14:40	5.4	76	11	7.5	0.00
21/09/2022 14:50	4.1	73	12	6.8	0.00
21/09/2022 15:00	4.0	65	18	6.0	0.00





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/09/2022 15:10	3.0	29	26	4.6	0.00
21/09/2022 15:20	2.5	13	34	4.1	0.00
21/09/2022 15:30	2.5	358	25	3.9	0.00
21/09/2022 15:40	2.4	25	26	4.2	0.00
21/09/2022 15:50	2.0	209	33	3.6	0.00
21/09/2022 16:00	1.8	165	34	2.8	0.00
21/09/2022 16:10	1.6	168	26	3.1	0.00
21/09/2022 16:20	1.8	15	34	3.1	0.00
21/09/2022 16:30	2.0	52	24	3.7	0.00
21/09/2022 16:40	2.0	79	21	3.5	0.00
21/09/2022 16:50	2.9	72	15	4.0	0.00
21/09/2022 17:00	2.1	47	21	3.4	0.00
21/09/2022 17:10	2.1	47	29	3.2	0.00
21/09/2022 17:20	1.4	32	38	2.4	0.00
21/09/2022 17:30	2.0	295	23	2.9	0.00
21/09/2022 17:40	2.7	292	12	3.8	0.00
21/09/2022 17:50	2.6	295	11	3.3	0.00
21/09/2022 18:00	1.6	325	23	2.5	0.00
21/09/2022 18:10	2.1	278	13	3.1	0.00
21/09/2022 18:20	1.8	296	17	2.8	0.00
21/09/2022 18:30	1.1	273	21	1.8	0.00
21/09/2022 18:40	1.2	306	23	1.8	0.00
21/09/2022 18:50	1.5	280	27	2.5	0.00
21/09/2022 19:00	2.5	275	13	3.0	0.00
21/09/2022 19:10	3.0	260	11	4.0	0.00
21/09/2022 19:20	2.3	259	11	3.2	0.00
21/09/2022 19:30	2.4	250	12	3.2	0.00
21/09/2022 19:40	2.1	252	11	3.1	0.00
21/09/2022 19:50	1.8	256	17	2.5	0.00
21/09/2022 20:00	1.1	239	25	1.8	0.00
21/09/2022 20:10	2.1	230	15	3.2	0.00
21/09/2022 20:20	1.8	241	19	3.2	0.00
21/09/2022 20:30	1.6	210	35	2.5	0.00
21/09/2022 20:40	2.3	228	14	3.2	0.00
21/09/2022 20:50	1.2	154	49	2.0	0.00
21/09/2022 21:00	0.5	45	12	0.9	0.00
21/09/2022 21:10	0.6	222	27	1.6	0.00
21/09/2022 21:20	1.0	118	51	1.7	0.00
21/09/2022 21:30	1.1	300	38	1.7	0.00
21/09/2022 21:40	2.2	242	12	3.0	0.00
21/09/2022 21:50	2.3	239	12	2.9	0.00
21/09/2022 22:00	1.9	232	11	2.5	0.00
21/09/2022 22:10	1.5	237	14	2.2	0.00
21/09/2022 22:20	1.6	240	13	2.4	0.00
21/09/2022 22:30	2.0	234	13	2.8	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/09/2022 22:40	2.1	237	13	2.8	0.00
21/09/2022 22:50	2.4	243	11	3.5	0.00
21/09/2022 23:00	2.4	242	10	3.2	0.00
21/09/2022 23:10	1.8	236	14	2.4	0.00
21/09/2022 23:20	1.6	234	13	2.3	0.00
21/09/2022 23:30	1.9	239	11	2.5	0.00
21/09/2022 23:40	2.3	244	10	2.9	0.00
21/09/2022 23:50	2.8	246	8	3.8	0.00
22/09/2022 00:00	2.7	246	10	3.5	0.00
22/09/2022 00:10	3.0	252	9	4.0	0.00
22/09/2022 00:20	2.5	255	10	3.2	0.00
22/09/2022 00:30	3.0	254	11	3.8	0.00
22/09/2022 00:40	2.5	258	10	3.4	0.00
22/09/2022 00:50	2.1	248	13	2.8	0.00
22/09/2022 01:00	2.0	249	11	3.2	0.00
22/09/2022 01:10	2.2	254	12	3.2	0.00
22/09/2022 01:20	1.9	255	12	2.7	0.00
22/09/2022 01:30	1.9	262	10	2.5	0.00
22/09/2022 01:40	1.8	267	9	2.4	0.00
22/09/2022 01:50	2.3	254	12	3.0	0.00
22/09/2022 02:00	1.8	257	11	2.3	0.00
22/09/2022 02:10	2.1	249	12	3.1	0.00
22/09/2022 02:20	1.5	247	16	2.5	0.00
22/09/2022 02:30	2.1	253	13	3.2	0.00
22/09/2022 02:40	1.5	259	10	2.1	0.00
22/09/2022 02:50	1.8	251	11	2.6	0.00
22/09/2022 03:00	1.6	246	15	2.4	0.00
22/09/2022 03:10	1.1	261	13	1.5	0.00
22/09/2022 03:20	1.2	257	14	1.6	0.00
22/09/2022 03:30	0.5	266	32	1.0	0.00
22/09/2022 03:40	0.5	276	18	1.2	0.00
22/09/2022 03:50	0.8	283	11	1.2	0.00
22/09/2022 04:00	0.2	278	15	0.8	0.00
22/09/2022 04:10	0.5	264	23	1.2	0.00
22/09/2022 04:20	0.8	270	17	1.6	0.00
22/09/2022 04:30	1.0	245	22	1.7	0.00
22/09/2022 04:40	1.1	252	18	1.8	0.00
22/09/2022 04:50	2.4	247	13	3.6	0.00
22/09/2022 05:00	2.9	251	11	4.0	0.00
22/09/2022 05:10	2.3	250	10	3.4	0.00
22/09/2022 05:20	1.9	250	11	2.5	0.00
22/09/2022 05:30	1.8	252	10	2.4	0.00
22/09/2022 05:40	1.4	249	9	1.9	0.00
22/09/2022 05:50	1.2	268	11	1.5	0.00
22/09/2022 06:00	0.2	273	5	0.8	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/09/2022 06:10	0.3	280	8	0.8	0.00
22/09/2022 06:20	0.9	293	3	1.4	0.00
22/09/2022 06:30	1.0	267	11	1.2	0.00
22/09/2022 06:40	1.3	260	10	1.9	0.00
22/09/2022 06:50	1.5	245	19	2.1	0.00
22/09/2022 07:00	0.9	234	31	1.9	0.00
22/09/2022 07:10	0.6	186	37	1.1	0.00
22/09/2022 07:20	1.6	238	20	2.4	0.00
22/09/2022 07:30	2.0	236	13	2.7	0.00
22/09/2022 07:40	2.0	235	13	2.7	0.00
22/09/2022 07:50	1.6	235	17	2.2	0.00
22/09/2022 08:00	1.4	240	18	2.0	0.00
22/09/2022 08:10	1.4	230	25	2.2	0.00
22/09/2022 08:20	1.1	206	33	1.8	0.00
22/09/2022 08:30	1.0	211	49	1.6	0.00
22/09/2022 08:40	1.4	219	50	2.2	0.00
22/09/2022 08:50	1.7	232	18	2.7	0.00
22/09/2022 09:00	1.9	236	26	3.0	0.00
22/09/2022 09:10	1.7	232	24	2.8	0.00
22/09/2022 09:20	1.7	260	27	2.4	0.00
22/09/2022 09:30	2.0	232	17	2.9	0.00
22/09/2022 09:40	2.0	233	26	3.2	0.00
22/09/2022 09:50	1.2	169	44	2.0	0.00
22/09/2022 10:00	1.7	215	41	2.9	0.00
22/09/2022 10:10	2.8	298	21	4.0	0.00
22/09/2022 10:20	3.3	287	16	4.6	0.00
22/09/2022 10:30	2.9	275	20	3.9	0.00
22/09/2022 10:40	3.0	266	19	4.0	0.00
22/09/2022 10:50	2.4	254	19	3.5	0.00
22/09/2022 11:00	2.6	253	20	3.6	0.00
22/09/2022 11:10	2.9	267	18	4.4	0.00
22/09/2022 11:20	3.1	277	20	4.3	0.00
22/09/2022 11:30	2.5	281	26	3.6	0.00
22/09/2022 11:40	3.2	299	13	4.1	0.00
22/09/2022 11:50	3.4	299	12	4.4	0.00
22/09/2022 12:00	3.3	294	13	4.4	0.00
22/09/2022 12:10	3.4	295	12	4.4	0.00
22/09/2022 12:20	3.8	295	15	4.8	0.00
22/09/2022 12:30	3.9	294	10	5.2	0.00
22/09/2022 12:40	3.5	297	13	4.8	0.00
22/09/2022 12:50	3.7	295	13	4.9	0.00
22/09/2022 13:00	3.6	291	15	4.5	0.00
22/09/2022 13:10	3.8	299	11	5.0	0.00
22/09/2022 13:20	3.8	297	11	5.0	0.00
22/09/2022 13:30	3.6	299	14	4.4	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/09/2022 13:40	3.7	298	12	5.0	0.00
22/09/2022 13:50	4.0	297	9	5.2	0.00
22/09/2022 14:00	4.0	292	13	5.4	0.00
22/09/2022 14:10	4.2	292	12	5.4	0.00
22/09/2022 14:20	4.4	298	10	5.6	0.00
22/09/2022 14:30	4.4	295	12	5.6	0.00
22/09/2022 14:40	4.3	288	16	5.8	0.00
22/09/2022 14:50	4.3	270	15	6.0	0.00
22/09/2022 15:00	4.3	267	14	6.1	0.00
22/09/2022 15:10	4.4	273	15	6.1	0.00
22/09/2022 15:20	4.5	268	14	5.7	0.00
22/09/2022 15:30	4.5	270	14	6.1	0.00
22/09/2022 15:40	4.1	272	15	5.3	0.00
22/09/2022 15:50	4.2	263	12	5.4	0.00
22/09/2022 16:00	4.8	256	12	6.3	0.00
22/09/2022 16:10	4.5	257	12	5.9	0.00
22/09/2022 16:20	4.5	256	10	5.8	0.00
22/09/2022 16:30	4.1	248	12	5.6	0.00
22/09/2022 16:40	4.0	246	11	5.5	0.00
22/09/2022 16:50	4.7	260	10	5.8	0.00
22/09/2022 17:00	4.9	263	9	5.9	0.00
22/09/2022 17:10	4.3	260	11	5.4	0.00
22/09/2022 17:20	4.6	262	12	5.9	0.00
22/09/2022 17:30	5.0	259	10	6.2	0.00
22/09/2022 17:40	5.0	260	9	6.1	0.00
22/09/2022 17:50	4.7	263	10	5.8	0.00
22/09/2022 18:00	3.9	264	10	5.0	0.00
22/09/2022 18:10	4.5	262	9	5.6	0.00
22/09/2022 18:20	4.2	262	10	5.4	0.00
22/09/2022 18:30	4.5	261	8	6.0	0.00
22/09/2022 18:40	3.7	262	9	5.3	0.00
22/09/2022 18:50	4.0	261	9	5.3	0.00
22/09/2022 19:00	3.7	260	11	4.8	0.00
22/09/2022 19:10	4.0	262	10	5.2	0.00
22/09/2022 19:20	3.9	264	11	5.3	0.00
22/09/2022 19:30	3.1	267	11	4.0	0.00
22/09/2022 19:40	3.6	262	9	4.7	0.00
22/09/2022 19:50	3.7	264	11	5.0	0.00
22/09/2022 20:00	3.4	263	11	4.4	0.00
22/09/2022 20:10	2.9	269	14	4.1	0.00
22/09/2022 20:20	3.0	272	15	4.2	0.00
22/09/2022 20:30	3.0	269	13	3.8	0.00
22/09/2022 20:40	3.1	269	12	4.1	0.00
22/09/2022 20:50	2.9	268	14	3.9	0.00
22/09/2022 21:00	3.0	268	13	4.0	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/09/2022 21:10	3.1	266	12	4.1	0.00
22/09/2022 21:20	3.4	263	10	4.4	0.00
22/09/2022 21:30	3.4	270	13	4.8	0.00
22/09/2022 21:40	3.1	271	13	4.2	0.00
22/09/2022 21:50	3.1	269	12	4.4	0.00
22/09/2022 22:00	3.3	264	9	4.3	0.00
22/09/2022 22:10	3.3	268	12	4.3	0.00
22/09/2022 22:20	3.2	264	11	4.4	0.00
22/09/2022 22:30	4.0	261	9	5.3	0.00
22/09/2022 22:40	3.7	262	9	4.6	0.00
22/09/2022 22:50	3.4	263	10	4.4	0.00
22/09/2022 23:00	3.1	263	9	4.4	0.00
22/09/2022 23:10	3.8	261	8	4.8	0.00
22/09/2022 23:20	3.7	262	9	4.7	0.00
22/09/2022 23:30	4.0	261	9	4.8	0.00
22/09/2022 23:40	3.5	261	8	4.5	0.00
22/09/2022 23:50	3.2	259	10	4.0	0.00
23/09/2022 00:00	3.2	260	9	4.2	0.00
23/09/2022 00:10	3.2	255	10	4.4	0.00
23/09/2022 00:20	3.0	259	8	3.9	0.00
23/09/2022 00:30	2.8	257	10	4.0	0.00
23/09/2022 00:40	3.1	254	10	4.0	0.00
23/09/2022 00:50	2.9	253	10	4.0	0.00
23/09/2022 01:00	3.2	254	10	4.4	0.00
23/09/2022 01:10	3.0	258	9	3.9	0.00
23/09/2022 01:20	3.0	261	10	4.0	0.00
23/09/2022 01:30	3.1	260	9	4.4	0.00
23/09/2022 01:40	2.9	265	9	3.9	0.00
23/09/2022 01:50	2.9	265	12	3.6	0.00
23/09/2022 02:00	3.3	265	10	4.1	0.00
23/09/2022 02:10	3.6	262	7	4.7	0.00
23/09/2022 02:20	3.8	262	8	4.8	0.00
23/09/2022 02:30	3.8	260	9	4.7	0.00
23/09/2022 02:40	3.7	261	9	4.6	0.00
23/09/2022 02:50	3.4	259	10	4.4	0.00
23/09/2022 03:00	3.4	263	8	4.4	0.00
23/09/2022 03:10	3.6	263	9	4.5	0.00
23/09/2022 03:20	3.1	265	9	4.1	0.00
23/09/2022 03:30	2.9	271	13	3.8	0.00
23/09/2022 03:40	2.5	270	14	3.5	0.00
23/09/2022 03:50	2.5	266	12	3.2	0.00
23/09/2022 04:00	2.4	271	11	3.2	0.00
23/09/2022 04:10	2.6	267	14	3.3	0.00
23/09/2022 04:20	2.6	264	10	3.6	0.00
23/09/2022 04:30	3.0	267	11	3.9	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/09/2022 04:40	3.0	267	11	3.9	0.00
23/09/2022 04:50	3.0	267	12	4.0	0.00
23/09/2022 05:00	2.7	264	11	3.5	0.00
23/09/2022 05:10	3.0	264	11	4.0	0.00
23/09/2022 05:20	2.9	263	9	3.7	0.00
23/09/2022 05:30	2.7	264	9	3.7	0.00
23/09/2022 05:40	2.9	262	9	3.7	0.00
23/09/2022 05:50	3.5	258	10	4.6	0.00
23/09/2022 06:00	3.2	258	10	4.2	0.00
23/09/2022 06:10	2.8	254	12	3.7	0.00
23/09/2022 06:20	3.3	258	10	4.3	0.00
23/09/2022 06:30	3.3	256	11	4.2	0.00
23/09/2022 06:40	3.4	254	10	4.4	0.00
23/09/2022 06:50	3.0	251	13	4.0	0.00
23/09/2022 07:00	3.2	245	12	4.2	0.00
23/09/2022 07:10	3.2	248	13	4.4	0.00
23/09/2022 07:20	3.3	247	15	4.4	0.00
23/09/2022 07:30	3.2	255	13	4.4	0.00
23/09/2022 07:40	3.4	254	16	4.4	0.00
23/09/2022 07:50	3.7	257	13	4.8	0.00
23/09/2022 08:00	3.3	243	14	4.6	0.00
23/09/2022 08:10	3.2	242	15	4.5	0.00
23/09/2022 08:20	3.3	248	13	4.6	0.00
23/09/2022 08:30	3.2	250	15	4.4	0.00
23/09/2022 08:40	3.0	251	17	3.8	0.00
23/09/2022 08:50	3.0	262	12	4.1	0.00
23/09/2022 09:00	2.8	257	15	3.5	0.00
23/09/2022 09:10	2.9	255	15	3.8	0.00
23/09/2022 09:20	3.1	257	17	4.0	0.00
23/09/2022 09:30	3.2	271	15	4.4	0.00
23/09/2022 09:40	3.9	272	15	5.2	0.00
23/09/2022 09:50	3.4	267	16	4.5	0.00
23/09/2022 10:00	3.5	273	14	4.4	0.00
23/09/2022 10:10	3.3	275	16	4.3	0.00
23/09/2022 10:20	3.2	279	15	4.0	0.00
23/09/2022 10:30	2.8	298	19	3.7	0.00
23/09/2022 10:40	3.4	292	16	4.6	0.00
23/09/2022 10:50	3.7	265	17	4.6	0.00
23/09/2022 11:00	3.2	285	18	4.2	0.00
23/09/2022 11:10	3.6	295	13	4.7	0.00
23/09/2022 11:20	3.4	294	15	4.7	0.00
23/09/2022 11:30	3.1	304	16	4.5	0.00
23/09/2022 11:40	3.1	312	17	4.5	0.00
23/09/2022 11:50	3.5	304	18	4.9	0.00
23/09/2022 12:00	4.4	299	12	5.9	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/09/2022 12:10	5.2	297	9	6.3	0.00
23/09/2022 12:20	4.4	298	13	5.6	0.00
23/09/2022 12:30	4.2	305	11	5.8	0.00
23/09/2022 12:40	4.5	292	13	6.0	0.00
23/09/2022 12:50	4.3	293	14	5.6	0.00
23/09/2022 13:00	4.3	281	15	6.0	0.00
23/09/2022 13:10	4.8	296	11	6.1	0.00
23/09/2022 13:20	4.5	293	13	5.6	0.00
23/09/2022 13:30	4.0	279	19	5.3	0.00
23/09/2022 13:40	4.4	267	16	5.9	0.00
23/09/2022 13:50	4.7	267	13	6.0	0.00
23/09/2022 14:00	4.7	272	15	5.9	0.00
23/09/2022 14:10	5.0	264	13	6.5	0.00
23/09/2022 14:20	5.4	262	10	6.5	0.00
23/09/2022 14:30	5.8	264	10	7.3	0.00
23/09/2022 14:40	6.0	262	12	7.5	0.00
23/09/2022 14:50	5.4	254	13	7.0	0.00
23/09/2022 15:00	4.9	252	11	6.5	0.00
23/09/2022 15:10	4.8	266	14	6.6	0.00
23/09/2022 15:20	5.1	268	12	6.9	0.00
23/09/2022 15:30	5.8	263	11	8.1	0.00
23/09/2022 15:40	6.6	263	9	8.0	0.00
23/09/2022 15:50	5.8	264	10	7.5	0.00
23/09/2022 16:00	5.5	262	9	7.2	0.00
23/09/2022 16:10	5.5	261	11	7.2	0.00
23/09/2022 16:20	5.1	264	10	6.5	0.00
23/09/2022 16:30	5.2	263	14	7.2	0.00
23/09/2022 16:40	4.6	255	15	6.5	0.00
23/09/2022 16:50	5.1	255	14	7.0	0.00
23/09/2022 17:00	5.2	260	12	6.8	0.00
23/09/2022 17:10	5.3	255	12	7.5	0.00
23/09/2022 17:20	5.6	253	12	7.2	0.00
23/09/2022 17:30	4.7	259	12	7.2	0.00
23/09/2022 17:40	4.7	261	10	6.0	0.00
23/09/2022 17:50	4.1	258	12	5.7	0.00
23/09/2022 18:00	4.5	262	10	6.0	0.00
23/09/2022 18:10	5.1	258	11	6.7	0.00
23/09/2022 18:20	4.8	263	10	6.4	0.00
23/09/2022 18:30	4.2	261	10	5.9	0.00
23/09/2022 18:40	4.1	263	10	5.9	0.00
23/09/2022 18:50	4.8	262	9	5.9	0.00
23/09/2022 19:00	4.3	260	11	5.7	0.00
23/09/2022 19:10	3.7	261	10	5.2	0.00
23/09/2022 19:20	3.7	262	12	4.9	0.00
23/09/2022 19:30	3.6	261	11	4.8	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/09/2022 19:40	3.3	257	11	4.6	0.00
23/09/2022 19:50	3.7	255	13	5.1	0.00
23/09/2022 20:00	3.5	251	12	5.1	0.00
23/09/2022 20:10	3.5	251	11	4.8	0.00
23/09/2022 20:20	3.9	258	12	5.2	0.00
23/09/2022 20:30	4.4	258	11	5.8	0.00
23/09/2022 20:40	4.1	257	10	5.2	0.00
23/09/2022 20:50	3.7	262	9	4.7	0.00
23/09/2022 21:00	3.7	262	9	5.1	0.00
23/09/2022 21:10	3.9	257	11	5.2	0.00
23/09/2022 21:20	4.2	259	10	5.3	0.00
23/09/2022 21:30	4.0	261	9	5.2	0.00
23/09/2022 21:40	3.9	259	9	5.0	0.00
23/09/2022 21:50	4.0	253	8	4.8	0.00
23/09/2022 22:00	3.9	254	10	5.1	0.00
23/09/2022 22:10	3.6	251	9	4.9	0.00
23/09/2022 22:20	3.6	252	11	4.8	0.00
23/09/2022 22:30	3.7	255	11	4.9	0.00
23/09/2022 22:40	3.9	254	9	4.8	0.00
23/09/2022 22:50	3.9	258	10	5.2	0.00
23/09/2022 23:00	3.7	254	10	5.0	0.00
23/09/2022 23:10	3.6	253	11	5.1	0.00
23/09/2022 23:20	3.8	247	12	5.2	0.00
23/09/2022 23:30	3.7	244	12	5.2	0.00
23/09/2022 23:40	3.7	247	13	4.9	0.00
23/09/2022 23:50	3.6	247	10	4.9	0.00
24/09/2022 00:00	3.2	245	12	4.2	0.00
24/09/2022 00:10	3.6	242	12	5.1	0.00
24/09/2022 00:20	3.6	253	11	5.1	0.00
24/09/2022 00:30	3.8	252	12	5.4	0.00
24/09/2022 00:40	3.8	251	10	5.0	0.00
24/09/2022 00:50	3.8	253	10	5.6	0.00
24/09/2022 01:00	3.6	252	11	5.0	0.00
24/09/2022 01:10	3.4	255	11	4.7	0.00
24/09/2022 01:20	3.1	255	9	4.0	0.00
24/09/2022 01:30	3.8	256	10	5.1	0.00
24/09/2022 01:40	4.2	259	8	5.7	0.00
24/09/2022 01:50	4.0	260	11	5.2	0.00
24/09/2022 02:00	4.2	260	9	5.5	0.00
24/09/2022 02:10	4.6	259	9	6.0	0.00
24/09/2022 02:20	4.7	259	9	6.2	0.00
24/09/2022 02:30	4.9	255	10	6.4	0.00
24/09/2022 02:40	4.5	257	10	6.4	0.00
24/09/2022 02:50	4.1	253	13	5.7	0.00
24/09/2022 03:00	3.4	250	12	5.1	0.00





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/09/2022 03:10	3.9	242	11	6.2	0.00
24/09/2022 03:20	3.8	241	13	5.2	0.00
24/09/2022 03:30	4.2	241	15	6.1	0.00
24/09/2022 03:40	4.5	241	13	6.4	0.00
24/09/2022 03:50	4.7	245	12	6.5	0.00
24/09/2022 04:00	4.7	243	11	7.0	0.00
24/09/2022 04:10	4.4	244	11	5.9	0.00
24/09/2022 04:20	4.6	248	10	6.0	0.00
24/09/2022 04:30	4.9	249	12	6.4	0.00
24/09/2022 04:40	4.5	251	12	6.4	0.00
24/09/2022 04:50	4.4	252	11	5.9	0.00
24/09/2022 05:00	4.5	248	11	6.0	0.00
24/09/2022 05:10	4.0	250	11	5.2	0.00
24/09/2022 05:20	3.9	249	11	5.1	0.00
24/09/2022 05:30	4.1	250	11	5.5	0.00
24/09/2022 05:40	4.1	246	11	5.2	0.00
24/09/2022 05:50	4.3	249	11	6.0	0.00
24/09/2022 06:00	4.5	253	11	6.0	0.00
24/09/2022 06:10	4.5	256	11	6.0	0.00
24/09/2022 06:20	4.1	256	11	5.5	0.00
24/09/2022 06:30	4.2	258	9	5.2	0.00
24/09/2022 06:40	3.8	256	12	5.0	0.00
24/09/2022 06:50	3.9	256	10	4.8	0.00
24/09/2022 07:00	4.0	258	10	5.1	0.00
24/09/2022 07:10	3.7	256	11	4.8	0.00
24/09/2022 07:20	4.0	258	10	5.4	0.00
24/09/2022 07:30	3.9	260	11	5.1	0.00
24/09/2022 07:40	4.0	256	11	5.3	0.00
24/09/2022 07:50	4.1	256	12	5.2	0.00
24/09/2022 08:00	3.8	256	10	5.0	0.00
24/09/2022 08:10	4.4	259	12	5.7	0.00
24/09/2022 08:20	4.4	263	9	5.6	0.00
24/09/2022 08:30	4.3	260	12	5.5	0.00
24/09/2022 08:40	4.2	260	14	5.7	0.00
24/09/2022 08:50	4.0	258	14	5.6	0.00
24/09/2022 09:00	4.3	266	11	5.6	0.00
24/09/2022 09:10	4.1	271	14	5.3	0.00
24/09/2022 09:20	3.9	274	14	5.3	0.00
24/09/2022 09:30	4.4	281	13	6.0	0.00
24/09/2022 09:40	4.3	270	15	5.6	0.00
24/09/2022 09:50	4.8	266	11	6.0	0.00
24/09/2022 10:00	5.2	267	12	6.4	0.00
24/09/2022 10:10	5.1	266	12	6.2	0.00
24/09/2022 10:20	5.2	269	14	6.8	0.00
24/09/2022 10:30	5.4	264	12	6.7	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/09/2022 10:40	5.2	274	13	6.7	0.00
24/09/2022 10:50	5.2	275	15	6.7	0.00
24/09/2022 11:00	5.9	266	12	7.8	0.00
24/09/2022 11:10	5.9	270	14	8.0	0.00
24/09/2022 11:20	5.8	274	14	7.4	0.00
24/09/2022 11:30	5.2	272	15	7.0	0.00
24/09/2022 11:40	5.4	268	14	7.3	0.00
24/09/2022 11:50	5.8	262	12	8.3	0.00
24/09/2022 12:00	5.9	272	13	8.1	0.00
24/09/2022 12:10	6.0	274	15	8.3	0.00
24/09/2022 12:20	6.4	274	13	8.5	0.00
24/09/2022 12:30	6.7	262	13	8.9	0.00
24/09/2022 12:40	6.8	262	10	9.2	0.00
24/09/2022 12:50	6.2	264	13	8.7	0.00
24/09/2022 13:00	7.3	267	13	9.7	0.00
24/09/2022 13:10	7.2	260	9	9.2	0.00
24/09/2022 13:20	7.6	265	11	9.8	0.00
24/09/2022 13:30	6.8	264	11	9.0	0.00
24/09/2022 13:40	6.8	260	11	8.6	0.00
24/09/2022 13:50	7.5	261	11	9.5	0.00
24/09/2022 14:00	7.3	261	10	9.4	0.00
24/09/2022 14:10	7.1	266	10	8.9	0.00
24/09/2022 14:20	7.2	263	13	9.5	0.00
24/09/2022 14:30	7.5	263	10	9.4	0.00
24/09/2022 14:40	7.1	262	11	9.4	0.00
24/09/2022 14:50	7.3	262	12	9.4	0.00
24/09/2022 15:00	7.6	266	11	10.0	0.00
24/09/2022 15:10	6.9	265	13	9.0	0.00
24/09/2022 15:20	6.9	268	12	9.7	0.00
24/09/2022 15:30	6.9	263	11	9.5	0.00
24/09/2022 15:40	7.7	263	11	10.0	0.00
24/09/2022 15:50	7.0	264	11	9.0	0.00
24/09/2022 16:00	7.0	260	11	9.4	0.00
24/09/2022 16:10	6.7	261	10	9.0	0.00
24/09/2022 16:20	6.9	263	11	9.1	0.00
24/09/2022 16:30	7.3	265	10	9.5	0.00
24/09/2022 16:40	7.1	266	10	9.1	0.00
24/09/2022 16:50	7.2	265	10	9.5	0.00
24/09/2022 17:00	7.1	264	10	9.7	0.00
24/09/2022 17:10	7.5	265	9	9.5	0.00
24/09/2022 17:20	7.3	263	10	9.2	0.00
24/09/2022 17:30	7.3	264	9	9.1	0.00
24/09/2022 17:40	7.1	263	9	9.1	0.00
24/09/2022 17:50	6.6	262	9	8.3	0.00
24/09/2022 18:00	6.9	263	9	8.5	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/09/2022 18:10	6.3	263	10	7.9	0.00
24/09/2022 18:20	5.4	263	11	7.5	0.00
24/09/2022 18:30	5.1	262	10	6.8	0.00
24/09/2022 18:40	4.9	259	10	6.9	0.00
24/09/2022 18:50	5.1	259	11	6.4	0.00
24/09/2022 19:00	5.2	261	11	6.5	0.00
24/09/2022 19:10	5.5	263	9	7.2	0.00
24/09/2022 19:20	5.4	263	10	7.1	0.00
24/09/2022 19:30	5.6	267	10	7.5	0.00
24/09/2022 19:40	5.3	258	11	7.0	0.00
24/09/2022 19:50	5.6	256	11	7.8	0.00
24/09/2022 20:00	5.7	260	10	7.8	0.00
24/09/2022 20:10	4.9	258	13	6.8	0.00
24/09/2022 20:20	5.0	256	11	6.8	0.00
24/09/2022 20:30	4.7	260	11	6.6	0.00
24/09/2022 20:40	4.8	255	12	6.4	0.00
24/09/2022 20:50	5.0	255	11	6.8	0.00
24/09/2022 21:00	4.8	258	12	6.8	0.00
24/09/2022 21:10	4.5	262	9	6.0	0.00
24/09/2022 21:20	4.2	260	11	6.0	0.00
24/09/2022 21:30	4.3	262	10	5.8	0.00
24/09/2022 21:40	3.7	259	11	4.8	0.00
24/09/2022 21:50	3.5	258	13	4.6	0.00
24/09/2022 22:00	4.3	263	10	5.5	0.00
24/09/2022 22:10	3.9	262	10	5.3	0.00
24/09/2022 22:20	3.5	260	9	4.8	0.00
24/09/2022 22:30	3.5	264	11	4.5	0.00
24/09/2022 22:40	3.5	264	10	4.4	0.00
24/09/2022 22:50	2.9	265	10	3.9	0.00
24/09/2022 23:00	3.5	265	9	4.8	0.00
24/09/2022 23:10	3.1	262	10	3.9	0.00
24/09/2022 23:20	2.7	262	9	3.9	0.00
24/09/2022 23:30	2.8	265	9	3.6	0.00
24/09/2022 23:40	2.6	265	9	3.6	0.00
24/09/2022 23:50	2.9	257	9	4.0	0.00
25/09/2022 00:00	2.8	257	11	4.0	0.00
25/09/2022 00:10	2.9	255	10	4.0	0.00
25/09/2022 00:20	3.3	260	10	4.3	0.00
25/09/2022 00:30	3.6	258	10	5.0	0.00
25/09/2022 00:40	3.4	259	9	4.6	0.00
25/09/2022 00:50	3.9	260	10	5.0	0.00
25/09/2022 01:00	3.9	258	10	5.4	0.00
25/09/2022 01:10	3.5	256	10	4.4	0.00
25/09/2022 01:20	2.9	258	9	3.6	0.00
25/09/2022 01:30	2.9	258	10	4.0	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/09/2022 01:40	4.1	253	10	5.1	0.00
25/09/2022 01:50	3.7	254	11	4.7	0.00
25/09/2022 02:00	3.9	257	11	5.0	0.00
25/09/2022 02:10	3.8	257	9	4.8	0.00
25/09/2022 02:20	3.7	255	10	4.8	0.00
25/09/2022 02:30	3.7	259	9	4.8	0.00
25/09/2022 02:40	3.4	260	10	4.4	0.00
25/09/2022 02:50	3.2	254	10	4.0	0.00
25/09/2022 03:00	3.0	257	10	3.9	0.00
25/09/2022 03:10	3.5	256	10	4.4	0.00
25/09/2022 03:20	3.0	257	10	4.0	0.00
25/09/2022 03:30	2.9	256	11	3.7	0.00
25/09/2022 03:40	2.8	252	12	3.9	0.00
25/09/2022 03:50	2.6	253	11	3.8	0.00
25/09/2022 04:00	3.0	253	11	4.1	0.00
25/09/2022 04:10	3.1	258	10	4.3	0.00
25/09/2022 04:20	3.0	255	10	4.0	0.00
25/09/2022 04:30	3.1	253	12	4.1	0.00
25/09/2022 04:40	3.1	252	11	4.0	0.00
25/09/2022 04:50	3.2	255	12	4.4	0.00
25/09/2022 05:00	3.4	254	11	4.7	0.00
25/09/2022 05:10	3.5	257	12	4.4	0.00
25/09/2022 05:20	3.7	262	10	4.8	0.00
25/09/2022 05:30	3.5	265	10	4.8	0.00
25/09/2022 05:40	3.1	267	10	4.2	0.00
25/09/2022 05:50	2.7	268	12	3.5	0.00
25/09/2022 06:00	2.0	276	12	2.9	0.00
25/09/2022 06:10	2.2	281	11	3.1	0.00
25/09/2022 06:20	2.2	283	9	2.8	0.00
25/09/2022 06:30	2.6	283	11	3.3	0.00
25/09/2022 06:40	2.7	284	11	3.6	0.00
25/09/2022 06:50	2.0	282	12	2.8	0.00
25/09/2022 07:00	2.0	291	11	3.0	0.00
25/09/2022 07:10	2.6	267	14	4.0	0.00
25/09/2022 07:20	2.6	246	14	3.6	0.00
25/09/2022 07:30	2.7	230	16	4.1	0.00
25/09/2022 07:40	3.0	223	15	4.2	0.00
25/09/2022 07:50	3.0	219	23	4.4	0.00
25/09/2022 08:00	3.1	215	32	4.7	0.00
25/09/2022 08:10	3.3	220	29	4.9	0.00
25/09/2022 08:20	3.1	223	37	5.2	0.00
25/09/2022 08:30	3.4	227	17	5.2	0.00
25/09/2022 08:40	2.8	231	18	4.8	0.00
25/09/2022 08:50	3.2	226	17	4.4	0.00
25/09/2022 09:00	2.4	213	34	3.8	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/09/2022 09:10	2.2	204	56	4.0	0.00
25/09/2022 09:20	2.7	222	37	4.4	0.00
25/09/2022 09:30	2.5	229	31	3.7	0.00
25/09/2022 09:40	2.0	211	65	3.4	0.00
25/09/2022 09:50	2.6	233	30	4.2	0.00
25/09/2022 10:00	2.4	217	44	4.3	0.00
25/09/2022 10:10	1.9	218	49	3.2	0.00
25/09/2022 10:20	2.4	221	35	3.8	0.00
25/09/2022 10:30	2.4	226	29	4.1	0.00
25/09/2022 10:40	2.9	265	23	4.7	0.00
25/09/2022 10:50	3.0	265	19	4.5	0.00
25/09/2022 11:00	2.6	277	22	4.0	0.00
25/09/2022 11:10	3.2	270	19	5.0	0.00
25/09/2022 11:20	3.4	289	16	4.7	0.00
25/09/2022 11:30	3.7	272	18	4.8	0.00
25/09/2022 11:40	3.6	277	17	4.9	0.00
25/09/2022 11:50	4.1	284	14	5.2	0.00
25/09/2022 12:00	4.0	282	14	5.4	0.00
25/09/2022 12:10	4.5	275	15	6.4	0.00
25/09/2022 12:20	5.3	276	14	7.0	0.00
25/09/2022 12:30	5.2	268	15	7.1	0.00
25/09/2022 12:40	5.1	266	15	6.7	0.00
25/09/2022 12:50	4.7	278	15	5.6	0.00
25/09/2022 13:00	5.1	267	16	6.8	0.00
25/09/2022 13:10	5.8	261	10	7.4	0.00
25/09/2022 13:20	6.6	261	9	7.9	0.00
25/09/2022 13:30	6.2	263	10	7.9	0.00
25/09/2022 13:40	6.0	263	11	7.7	0.00
25/09/2022 13:50	5.4	260	13	7.1	0.00
25/09/2022 14:00	5.9	263	12	8.0	0.00
25/09/2022 14:10	5.5	262	14	7.2	0.00
25/09/2022 14:20	5.9	259	14	7.6	0.00
25/09/2022 14:30	6.9	265	11	8.7	0.00
25/09/2022 14:40	6.3	261	12	8.4	0.00
25/09/2022 14:50	5.3	266	15	7.5	0.00
25/09/2022 15:00	7.0	262	12	9.9	0.00
25/09/2022 15:10	7.5	261	11	10.2	0.00
25/09/2022 15:20	7.8	263	10	10.2	0.00
25/09/2022 15:30	7.4	263	11	10.4	0.00
25/09/2022 15:40	6.9	263	12	9.1	0.00
25/09/2022 15:50	7.1	267	12	9.6	0.00
25/09/2022 16:00	6.4	261	11	9.3	0.00
25/09/2022 16:10	6.8	261	13	9.6	0.00
25/09/2022 16:20	6.9	261	12	9.3	0.00
25/09/2022 16:30	7.0	262	13	9.6	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/09/2022 16:40	6.8	263	11	9.9	0.00
25/09/2022 16:50	6.5	263	12	8.7	0.00
25/09/2022 17:00	5.7	262	14	8.9	0.00
25/09/2022 17:10	6.6	260	11	9.1	0.00
25/09/2022 17:20	6.5	263	11	9.6	0.00
25/09/2022 17:30	6.1	261	11	8.7	0.00
25/09/2022 17:40	6.9	262	11	9.3	0.00
25/09/2022 17:50	6.9	260	10	8.9	0.00
25/09/2022 18:00	6.9	263	12	9.1	0.00
25/09/2022 18:10	7.0	263	11	9.8	0.00
25/09/2022 18:20	7.1	261	9	9.3	0.00
25/09/2022 18:30	7.3	264	12	9.5	0.00
25/09/2022 18:40	6.9	265	10	9.0	0.00
25/09/2022 18:50	7.0	264	11	9.1	0.00
25/09/2022 19:00	6.4	264	10	8.7	0.00
25/09/2022 19:10	5.7	263	10	8.1	0.00
25/09/2022 19:20	5.4	259	14	7.6	0.00
25/09/2022 19:30	5.8	258	12	7.5	0.00
25/09/2022 19:40	5.5	255	12	7.4	0.00
25/09/2022 19:50	5.3	258	12	7.2	0.00
25/09/2022 20:00	5.4	256	13	8.7	0.00
25/09/2022 20:10	5.0	256	11	6.7	0.00
25/09/2022 20:20	4.6	260	13	6.4	0.00
25/09/2022 20:30	4.4	256	12	6.4	0.00
25/09/2022 20:40	4.6	257	12	6.1	0.00
25/09/2022 20:50	4.1	257	12	5.6	0.00
25/09/2022 21:00	3.7	251	12	5.4	0.00
25/09/2022 21:10	3.5	246	15	5.0	0.00
25/09/2022 21:20	3.6	248	12	5.2	0.00
25/09/2022 21:30	3.2	249	12	4.1	0.00
25/09/2022 21:40	3.9	247	12	5.5	0.00
25/09/2022 21:50	4.4	248	12	6.3	0.00
25/09/2022 22:00	4.0	248	12	5.2	0.00
25/09/2022 22:10	3.8	249	10	5.5	0.00
25/09/2022 22:20	3.0	249	10	3.7	0.00
25/09/2022 22:30	2.7	245	12	3.8	0.00
25/09/2022 22:40	3.1	238	13	4.4	0.00
25/09/2022 22:50	3.3	237	11	4.4	0.00
25/09/2022 23:00	3.1	235	12	4.0	0.00
25/09/2022 23:10	3.2	232	14	4.6	0.00
25/09/2022 23:20	3.3	230	14	4.8	0.00
25/09/2022 23:30	2.6	227	17	3.6	0.00
25/09/2022 23:40	3.3	220	17	4.2	0.00
25/09/2022 23:50	3.1	218	16	4.3	0.00
26/09/2022 00:00	3.4	221	14	4.4	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/09/2022 00:10	3.2	221	17	4.8	0.00
26/09/2022 00:20	3.1	218	18	4.2	0.00
26/09/2022 00:30	3.2	221	15	4.4	0.00
26/09/2022 00:40	2.8	219	18	3.8	0.00
26/09/2022 00:50	2.5	218	19	3.6	0.00
26/09/2022 01:00	2.1	216	23	3.0	0.00
26/09/2022 01:10	2.2	221	25	3.6	0.00
26/09/2022 01:20	2.7	216	17	3.7	0.00
26/09/2022 01:30	2.7	218	17	3.7	0.00
26/09/2022 01:40	2.3	216	19	3.4	0.00
26/09/2022 01:50	2.1	223	17	3.4	0.00
26/09/2022 02:00	1.9	229	19	2.9	0.00
26/09/2022 02:10	1.9	240	17	2.8	0.00
26/09/2022 02:20	1.5	260	15	2.2	0.00
26/09/2022 02:30	1.6	266	11	2.0	0.00
26/09/2022 02:40	1.9	258	11	2.5	0.00
26/09/2022 02:50	1.8	275	13	2.4	0.00
26/09/2022 03:00	1.9	281	10	2.2	0.00
26/09/2022 03:10	1.8	268	14	2.4	0.00
26/09/2022 03:20	1.8	256	12	2.4	0.00
26/09/2022 03:30	1.7	246	12	2.4	0.00
26/09/2022 03:40	1.6	253	12	2.1	0.00
26/09/2022 03:50	1.5	250	12	2.0	0.00
26/09/2022 04:00	1.6	250	19	2.4	0.00
26/09/2022 04:10	1.3	260	20	1.9	0.00
26/09/2022 04:20	1.4	247	15	2.1	0.00
26/09/2022 04:30	1.8	233	19	2.9	0.00
26/09/2022 04:40	1.7	229	19	2.6	0.00
26/09/2022 04:50	1.2	224	41	2.1	0.00
26/09/2022 05:00	1.2	227	44	2.0	0.00
26/09/2022 05:10	1.5	234	55	2.4	0.00
26/09/2022 05:20	1.3	272	81	2.4	0.00
26/09/2022 05:30	1.5	261	85	2.7	0.00
26/09/2022 05:40	1.5	251	76	2.3	0.00
26/09/2022 05:50	1.5	267	83	2.7	0.00
26/09/2022 06:00	1.3	308	79	2.2	0.00
26/09/2022 06:10	1.2	338	91	2.1	0.00
26/09/2022 06:20	1.0	344	79	1.6	0.00
26/09/2022 06:30	1.1	119	65	2.1	0.00
26/09/2022 06:40	1.7	142	42	3.0	0.00
26/09/2022 06:50	2.8	140	15	3.7	0.00
26/09/2022 07:00	3.3	138	15	4.9	0.00
26/09/2022 07:10	3.7	131	16	6.1	0.00
26/09/2022 07:20	4.0	129	14	5.8	0.00
26/09/2022 07:30	4.0	132	15	5.5	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/09/2022 07:40	4.4	128	14	6.8	0.00
26/09/2022 07:50	4.8	123	15	7.0	0.00
26/09/2022 08:00	5.2	113	13	7.0	0.00
26/09/2022 08:10	6.0	115	14	8.3	0.00
26/09/2022 08:20	6.0	110	13	8.7	0.00
26/09/2022 08:30	6.0	109	14	9.3	0.00
26/09/2022 08:40	7.3	107	12	11.1	0.00
26/09/2022 08:50	7.7	102	12	10.0	0.00
26/09/2022 09:00	8.0	107	11	11.2	0.00
26/09/2022 09:10	8.1	105	12	11.4	0.00
26/09/2022 09:20	7.0	104	12	9.3	0.00
26/09/2022 09:30	7.0	106	13	9.7	0.00
26/09/2022 09:40	7.2	106	12	9.4	0.00
26/09/2022 09:50	6.9	103	11	9.4	0.00
26/09/2022 10:00	6.9	104	13	9.5	0.00
26/09/2022 10:10	6.7	102	11	9.3	0.00
26/09/2022 10:20	6.4	109	13	9.1	0.00
26/09/2022 10:30	6.3	103	13	8.8	0.00
26/09/2022 10:40	6.5	102	11	9.0	0.00
26/09/2022 10:50	6.6	102	12	9.9	0.00
26/09/2022 11:00	6.4	103	13	8.3	0.00
26/09/2022 11:10	6.7	102	12	9.0	0.00
26/09/2022 11:20	5.4	90	14	8.9	0.00
26/09/2022 11:30	5.5	90	13	7.8	0.00
26/09/2022 11:40	6.0	84	12	8.1	0.00
26/09/2022 11:50	5.7	86	16	8.0	0.00
26/09/2022 12:00	5.1	82	14	7.3	0.00
26/09/2022 12:10	5.8	76	14	7.9	0.00
26/09/2022 12:20	6.7	75	13	8.9	0.00
26/09/2022 12:30	6.0	80	12	7.9	0.00
26/09/2022 12:40	5.7	75	12	7.9	0.00
26/09/2022 12:50	5.8	74	13	8.1	0.00
26/09/2022 13:00	6.1	78	12	8.6	0.00
26/09/2022 13:10	5.7	85	12	7.9	0.00
26/09/2022 13:20	5.5	77	14	7.4	0.00
26/09/2022 13:30	6.1	72	13	8.0	0.00
26/09/2022 13:40	6.5	76	12	9.1	0.00
26/09/2022 13:50	6.1	72	10	7.8	0.00
26/09/2022 14:00	5.9	75	12	8.3	0.00
26/09/2022 14:10	5.6	65	13	7.5	0.00
26/09/2022 14:20	5.5	71	13	7.2	0.00
26/09/2022 14:30	6.0	72	12	7.9	0.00
26/09/2022 14:40	5.0	72	11	6.9	0.00
26/09/2022 14:50	5.0	72	15	7.2	0.00
26/09/2022 15:00	5.2	70	13	7.0	0.00





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/09/2022 15:10	5.1	69	12	6.9	0.00
26/09/2022 15:20	5.2	58	12	6.7	0.00
26/09/2022 15:30	4.8	66	17	6.4	0.00
26/09/2022 15:40	4.7	59	14	6.4	0.00
26/09/2022 15:50	4.9	63	10	6.4	0.00
26/09/2022 16:00	4.5	61	12	6.1	0.00
26/09/2022 16:10	4.4	64	14	5.9	0.00
26/09/2022 16:20	4.9	66	12	6.7	0.00
26/09/2022 16:30	4.3	64	13	6.1	0.00
26/09/2022 16:40	4.0	60	12	5.3	0.00
26/09/2022 16:50	4.0	61	11	5.2	0.00
26/09/2022 17:00	3.7	64	10	4.9	0.00
26/09/2022 17:10	3.1	63	12	4.3	0.00
26/09/2022 17:20	2.4	28	18	4.0	0.00
26/09/2022 17:30	2.1	181	19	3.0	0.00
26/09/2022 17:40	2.3	3	16	3.4	0.00
26/09/2022 17:50	1.8	185	16	2.8	0.00
26/09/2022 18:00	1.4	180	21	2.0	0.00
26/09/2022 18:10	2.5	313	19	3.8	0.00
26/09/2022 18:20	3.8	269	16	5.8	0.00
26/09/2022 18:30	5.4	257	12	7.3	0.00
26/09/2022 18:40	5.1	254	10	7.0	0.00
26/09/2022 18:50	4.9	250	14	6.8	0.00
26/09/2022 19:00	4.8	247	13	6.7	0.00
26/09/2022 19:10	4.3	247	13	6.7	0.00
26/09/2022 19:20	4.3	249	11	6.3	0.00
26/09/2022 19:30	4.2	252	12	5.6	0.00
26/09/2022 19:40	3.9	251	12	5.2	0.00
26/09/2022 19:50	4.3	244	11	6.0	0.00
26/09/2022 20:00	4.0	248	13	5.3	0.00
26/09/2022 20:10	3.5	250	12	5.1	0.00
26/09/2022 20:20	4.0	249	12	5.7	0.00
26/09/2022 20:30	3.5	248	11	4.6	0.00
26/09/2022 20:40	3.7	246	11	5.6	0.00
26/09/2022 20:50	3.7	248	11	5.2	0.00
26/09/2022 21:00	3.3	248	13	4.8	0.00
26/09/2022 21:10	3.0	244	13	4.1	0.00
26/09/2022 21:20	2.9	240	13	4.2	0.00
26/09/2022 21:30	2.6	233	16	4.0	0.00
26/09/2022 21:40	3.3	241	11	4.7	0.00
26/09/2022 21:50	3.3	238	13	5.3	0.00
26/09/2022 22:00	3.7	242	12	4.8	0.00
26/09/2022 22:10	3.3	240	14	4.8	0.00
26/09/2022 22:20	2.6	242	17	4.0	0.00
26/09/2022 22:30	2.2	250	11	3.1	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/09/2022 22:40	2.7	248	13	3.7	0.00
26/09/2022 22:50	3.1	250	11	4.4	0.00
26/09/2022 23:00	3.0	251	10	3.8	0.00
26/09/2022 23:10	2.8	248	10	4.0	0.00
26/09/2022 23:20	3.0	250	11	4.0	0.00
26/09/2022 23:30	3.2	246	11	4.3	0.00
26/09/2022 23:40	2.5	242	11	3.8	0.00
26/09/2022 23:50	2.0	239	15	2.8	0.00
27/09/2022 00:00	2.5	232	17	3.9	0.00
27/09/2022 00:10	1.7	247	17	2.6	0.00
27/09/2022 00:20	2.0	103	13	3.0	0.00
27/09/2022 00:30	3.1	126	15	4.4	0.00
27/09/2022 00:40	3.2	111	10	4.6	0.00
27/09/2022 00:50	2.7	102	10	3.6	0.00
27/09/2022 01:00	2.1	116	16	2.8	0.00
27/09/2022 01:10	2.1	92	13	2.8	0.00
27/09/2022 01:20	2.0	69	9	2.7	0.00
27/09/2022 01:30	2.5	76	13	3.8	0.00
27/09/2022 01:40	2.7	85	13	3.7	0.00
27/09/2022 01:50	2.9	94	14	4.8	0.00
27/09/2022 02:00	4.9	94	13	9.2	0.00
27/09/2022 02:10	6.4	94	12	9.1	0.00
27/09/2022 02:20	6.7	88	12	10.3	0.00
27/09/2022 02:30	6.8	94	12	10.7	0.00
27/09/2022 02:40	6.7	97	13	9.1	0.00
27/09/2022 02:50	6.4	95	12	9.1	0.00
27/09/2022 03:00	7.3	93	13	10.2	0.00
27/09/2022 03:10	6.6	92	11	9.4	0.00
27/09/2022 03:20	5.5	95	12	7.3	0.00
27/09/2022 03:30	5.2	98	13	8.0	0.00
27/09/2022 03:40	5.2	99	12	8.1	0.00
27/09/2022 03:50	5.4	99	12	7.7	0.00
27/09/2022 04:00	5.6	101	13	8.3	0.00
27/09/2022 04:10	5.7	100	10	7.9	0.00
27/09/2022 04:20	5.7	102	11	7.5	0.00
27/09/2022 04:30	5.2	100	12	7.2	0.00
27/09/2022 04:40	5.2	94	11	7.2	0.00
27/09/2022 04:50	5.3	95	12	7.8	0.00
27/09/2022 05:00	5.9	94	12	8.5	0.00
27/09/2022 05:10	5.8	94	10	8.2	0.00
27/09/2022 05:20	5.3	93	11	7.8	0.00
27/09/2022 05:30	5.7	94	11	7.8	0.00
27/09/2022 05:40	5.3	95	11	7.2	0.00
27/09/2022 05:50	5.6	95	11	8.3	0.00
27/09/2022 06:00	5.5	93	12	8.3	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/09/2022 06:10	5.6	94	12	7.5	0.00
27/09/2022 06:20	5.3	96	11	7.1	0.00
27/09/2022 06:30	5.5	94	11	7.5	0.00
27/09/2022 06:40	5.1	98	12	7.8	0.00
27/09/2022 06:50	5.4	96	14	7.4	0.00
27/09/2022 07:00	5.8	94	12	8.1	0.00
27/09/2022 07:10	5.9	97	13	8.5	0.00
27/09/2022 07:20	6.5	98	12	8.8	0.00
27/09/2022 07:30	6.0	103	10	8.5	0.00
27/09/2022 07:40	6.9	104	11	9.0	0.00
27/09/2022 07:50	6.9	101	11	9.6	0.00
27/09/2022 08:00	7.2	104	11	9.7	0.00
27/09/2022 08:10	7.5	104	12	10.3	0.00
27/09/2022 08:20	7.8	103	11	10.7	0.00
27/09/2022 08:30	6.9	105	11	9.6	0.00
27/09/2022 08:40	7.5	106	11	9.9	0.00
27/09/2022 08:50	7.2	101	12	11.0	0.00
27/09/2022 09:00	7.8	104	13	10.6	0.00
27/09/2022 09:10	7.3	104	13	9.6	0.00
27/09/2022 09:20	6.7	99	14	10.1	0.00
27/09/2022 09:30	6.6	94	12	9.1	0.00
27/09/2022 09:40	6.6	94	15	8.9	0.00
27/09/2022 09:50	6.4	92	11	8.5	0.00
27/09/2022 10:00	6.5	94	11	9.1	0.00
27/09/2022 10:10	6.3	93	13	8.1	0.00
27/09/2022 10:20	6.6	93	10	9.0	0.00
27/09/2022 10:30	6.8	83	13	8.6	0.00
27/09/2022 10:40	6.8	81	10	8.9	0.00
27/09/2022 10:50	6.6	81	12	8.6	0.00
27/09/2022 11:00	6.0	90	11	7.9	0.00
27/09/2022 11:10	6.0	95	11	8.0	0.00
27/09/2022 11:20	5.3	91	14	6.9	0.00
27/09/2022 11:30	5.9	72	11	7.8	0.00
27/09/2022 11:40	6.4	76	12	8.8	0.00
27/09/2022 11:50	6.5	71	9	8.3	0.00
27/09/2022 12:00	5.4	74	15	7.1	0.00
27/09/2022 12:10	5.3	65	12	6.9	0.00
27/09/2022 12:20	5.4	74	14	7.2	0.00
27/09/2022 12:30	5.3	60	13	7.2	0.00
27/09/2022 12:40	4.9	69	14	6.8	0.00
27/09/2022 12:50	5.4	66	13	7.4	0.00
27/09/2022 13:00	4.7	68	13	6.4	0.00
27/09/2022 13:10	4.9	68	13	7.1	0.00
27/09/2022 13:20	4.8	70	14	7.1	0.00
27/09/2022 13:30	4.9	59	14	6.6	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/09/2022 13:40	4.6	61	13	6.4	0.00
27/09/2022 13:50	4.7	65	14	7.1	0.00
27/09/2022 14:00	4.3	66	12	6.2	0.00
27/09/2022 14:10	4.8	68	14	6.4	0.00
27/09/2022 14:20	4.2	68	14	5.8	0.00
27/09/2022 14:30	3.6	60	15	5.3	0.00
27/09/2022 14:40	3.7	61	16	5.4	0.00
27/09/2022 14:50	3.2	61	18	4.4	0.00
27/09/2022 15:00	3.9	185	25	5.7	0.00
27/09/2022 15:10	3.5	343	20	4.6	0.00
27/09/2022 15:20	3.2	350	19	4.5	0.00
27/09/2022 15:30	3.1	347	20	4.7	0.00
27/09/2022 15:40	3.5	347	17	4.9	0.00
27/09/2022 15:50	3.8	343	16	5.5	0.00
27/09/2022 16:00	3.7	340	20	5.3	0.00
27/09/2022 16:10	4.4	345	15	6.0	0.00
27/09/2022 16:20	3.3	182	16	4.6	0.00
27/09/2022 16:30	3.1	6	17	4.6	0.00
27/09/2022 16:40	3.5	356	18	4.9	0.00
27/09/2022 16:50	3.4	355	17	5.3	0.00
27/09/2022 17:00	3.6	181	19	5.6	0.00
27/09/2022 17:10	3.6	182	19	5.2	0.00
27/09/2022 17:20	3.6	351	19	5.0	0.00
27/09/2022 17:30	4.2	343	17	6.0	0.00
27/09/2022 17:40	4.2	340	20	6.1	0.00
27/09/2022 17:50	3.9	312	22	5.8	0.00
27/09/2022 18:00	4.2	272	15	5.4	0.00
27/09/2022 18:10	3.8	266	16	5.0	0.00
27/09/2022 18:20	3.6	265	14	4.8	0.00
27/09/2022 18:30	4.6	261	12	6.4	0.00
27/09/2022 18:40	5.1	263	8	6.4	0.00
27/09/2022 18:50	5.2	263	9	6.4	0.00
27/09/2022 19:00	4.9	260	9	6.3	0.00
27/09/2022 19:10	4.6	263	10	5.8	0.00
27/09/2022 19:20	4.5	260	8	5.8	0.00
27/09/2022 19:30	4.7	261	8	6.1	0.00
27/09/2022 19:40	4.1	257	12	5.4	0.00
27/09/2022 19:50	3.9	256	11	5.4	0.00
27/09/2022 20:00	4.4	259	11	5.6	0.00
27/09/2022 20:10	4.4	256	10	6.0	0.00
27/09/2022 20:20	4.0	255	11	5.7	0.00
27/09/2022 20:30	3.9	257	11	6.0	0.00
27/09/2022 20:40	4.4	253	10	5.6	0.00
27/09/2022 20:50	4.0	247	12	5.5	0.00
27/09/2022 21:00	4.1	252	11	4.9	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/09/2022 21:10	3.6	248	13	4.8	0.00
27/09/2022 21:20	3.7	249	12	5.1	0.00
27/09/2022 21:30	4.0	251	11	6.1	0.00
27/09/2022 21:40	3.5	252	11	5.0	0.00
27/09/2022 21:50	3.6	251	11	4.8	0.00
27/09/2022 22:00	3.5	247	12	4.8	0.00
27/09/2022 22:10	3.8	249	11	5.0	0.00
27/09/2022 22:20	3.7	249	10	5.2	0.00
27/09/2022 22:30	3.4	251	11	4.6	0.00
27/09/2022 22:40	2.9	246	10	4.4	0.00
27/09/2022 22:50	3.7	243	11	4.9	0.00
27/09/2022 23:00	3.4	246	13	5.0	0.00
27/09/2022 23:10	3.8	247	13	5.5	0.00
27/09/2022 23:20	3.6	242	12	4.9	0.00
27/09/2022 23:30	4.2	246	13	5.6	0.00
27/09/2022 23:40	3.9	246	12	5.3	0.00
27/09/2022 23:50	3.6	245	12	5.0	0.00
28/09/2022 00:00	3.3	255	12	4.7	0.00
28/09/2022 00:10	3.8	255	11	5.2	0.00
28/09/2022 00:20	3.1	255	12	4.7	0.00
28/09/2022 00:30	3.7	253	11	4.9	0.00
28/09/2022 00:40	3.8	253	11	4.8	0.00
28/09/2022 00:50	3.7	256	11	4.8	0.00
28/09/2022 01:00	3.7	251	13	5.0	0.00
28/09/2022 01:10	3.5	257	10	4.9	0.00
28/09/2022 01:20	3.4	250	11	5.2	0.00
28/09/2022 01:30	3.2	247	10	4.8	0.00
28/09/2022 01:40	2.7	237	11	4.0	0.00
28/09/2022 01:50	2.7	246	12	3.8	0.00
28/09/2022 02:00	2.3	232	16	3.4	0.00
28/09/2022 02:10	2.8	234	13	4.0	0.00
28/09/2022 02:20	2.9	232	12	4.0	0.00
28/09/2022 02:30	2.6	242	13	3.6	0.00
28/09/2022 02:40	2.2	236	14	3.2	0.00
28/09/2022 02:50	2.2	234	16	3.4	0.00
28/09/2022 03:00	1.8	247	15	2.5	0.00
28/09/2022 03:10	1.8	250	14	2.5	0.00
28/09/2022 03:20	2.1	249	12	3.0	0.00
28/09/2022 03:30	2.7	241	12	3.6	0.00
28/09/2022 03:40	2.4	243	13	3.5	0.00
28/09/2022 03:50	2.7	251	11	3.5	0.00
28/09/2022 04:00	2.2	254	12	3.1	0.00
28/09/2022 04:10	2.2	250	14	3.0	0.00
28/09/2022 04:20	1.7	251	13	2.6	0.00
28/09/2022 04:30	1.3	238	15	2.0	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/09/2022 04:40	0.5	200	11	1.0	0.00
28/09/2022 04:50	0.7	73	8	1.1	0.00
28/09/2022 05:00	0.4	162	26	0.8	0.00
28/09/2022 05:10	0.1	267	3	0.8	0.00
28/09/2022 05:20					0.00
28/09/2022 05:30	0.4	296	2	0.9	0.00
28/09/2022 05:40	0.4	286	7	0.8	0.00
28/09/2022 05:50	0.4	297	3	0.8	0.00
28/09/2022 06:00	0.3	293	5	0.8	0.00
28/09/2022 06:10	0.2	292	3	0.7	0.00
28/09/2022 06:20	0.5	291	8	0.8	0.00
28/09/2022 06:30	0.3	185	17	0.7	0.00
28/09/2022 06:40	0.3	204	7	0.7	0.00
28/09/2022 06:50	0.2	207	4	0.8	0.00
28/09/2022 07:00	0.3	172	21	0.9	0.00
28/09/2022 07:10	0.6	201	44	1.1	0.00
28/09/2022 07:20	0.8	201	53	1.4	0.00
28/09/2022 07:30	0.6	212	41	1.2	0.00
28/09/2022 07:40	1.1	209	41	1.9	0.00
28/09/2022 07:50	1.3	156	32	2.0	0.00
28/09/2022 08:00	3.4	102	14	5.0	0.00
28/09/2022 08:10	3.3	86	13	4.4	0.00
28/09/2022 08:20	3.6	91	13	5.6	0.00
28/09/2022 08:30	4.0	89	11	5.3	0.00
28/09/2022 08:40	4.1	93	12	5.9	0.00
28/09/2022 08:50	4.5	103	13	6.4	0.00
28/09/2022 09:00	4.8	99	14	6.7	0.00
28/09/2022 09:10	4.9	89	11	6.6	0.00
28/09/2022 09:20	5.0	89	14	7.3	0.00
28/09/2022 09:30	5.9	85	12	7.8	0.00
28/09/2022 09:40	5.5	89	12	7.8	0.00
28/09/2022 09:50	5.6	89	12	8.2	0.00
28/09/2022 10:00	5.6	88	13	7.2	0.00
28/09/2022 10:10	5.6	99	12	7.6	0.00
28/09/2022 10:20	5.4	102	12	7.6	0.00
28/09/2022 10:30	4.8	91	12	7.1	0.00
28/09/2022 10:40	5.6	89	12	7.5	0.00
28/09/2022 10:50	5.7	78	12	8.3	0.00
28/09/2022 11:00	6.5	84	11	8.5	0.00
28/09/2022 11:10	5.9	92	11	7.5	0.00
28/09/2022 11:20	5.8	81	14	7.7	0.00
28/09/2022 11:30	6.4	82	11	8.6	0.00
28/09/2022 11:40	5.8	84	11	7.8	0.00
28/09/2022 11:50	5.8	74	14	7.8	0.00
28/09/2022 12:00	6.1	83	12	8.0	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/09/2022 12:10	5.8	71	12	8.0	0.00
28/09/2022 12:20	5.2	63	15	7.0	0.00
28/09/2022 12:30	5.1	68	12	7.2	0.00
28/09/2022 12:40	4.4	70	15	6.2	0.00
28/09/2022 12:50	4.7	52	15	6.2	0.00
28/09/2022 13:00	4.5	67	13	6.2	0.00
28/09/2022 13:10	5.2	76	13	7.2	0.00
28/09/2022 13:20	5.3	75	11	7.3	0.00
28/09/2022 13:30	4.3	63	16	5.7	0.00
28/09/2022 13:40	3.5	47	22	5.2	0.00
28/09/2022 13:50	3.1	33	24	4.5	0.00
28/09/2022 14:00	3.7	174	31	5.6	0.00
28/09/2022 14:10	3.4	349	25	5.1	0.00
28/09/2022 14:20	3.3	344	21	4.8	0.00
28/09/2022 14:30	3.3	354	17	4.5	0.00
28/09/2022 14:40	3.3	351	18	4.2	0.00
28/09/2022 14:50	3.1	351	18	4.2	0.00
28/09/2022 15:00	3.5	352	15	4.8	0.00
28/09/2022 15:10	3.3	352	17	4.7	0.00
28/09/2022 15:20	3.1	179	17	4.4	0.00
28/09/2022 15:30	3.3	356	19	4.6	0.00
28/09/2022 15:40	2.8	179	20	4.1	0.00
28/09/2022 15:50	2.8	5	19	4.3	0.00
28/09/2022 16:00	3.0	20	18	4.4	0.00
28/09/2022 16:10	3.2	28	20	4.3	0.00
28/09/2022 16:20	2.9	14	23	4.8	0.00
28/09/2022 16:30	3.3	11	19	4.5	0.00
28/09/2022 16:40	3.2	347	20	4.8	0.00
28/09/2022 16:50	4.2	339	14	6.2	0.00
28/09/2022 17:00	4.0	349	15	5.5	0.00
28/09/2022 17:10	4.2	354	18	5.6	0.00
28/09/2022 17:20	4.3	345	13	5.6	0.00
28/09/2022 17:30	3.9	339	15	5.2	0.00
28/09/2022 17:40	3.4	339	18	5.3	0.00
28/09/2022 17:50	2.7	326	20	4.6	0.00
28/09/2022 18:00	2.8	315	16	4.1	0.00
28/09/2022 18:10	3.3	315	16	4.5	0.00
28/09/2022 18:20	2.9	326	18	3.9	0.00
28/09/2022 18:30	2.8	325	18	4.0	0.00
28/09/2022 18:40	2.8	318	17	4.0	0.00
28/09/2022 18:50	3.1	318	17	4.3	0.00
28/09/2022 19:00	3.1	320	14	4.3	0.00
28/09/2022 19:10	3.1	319	15	4.6	0.00
28/09/2022 19:20	3.1	321	17	4.7	0.00
28/09/2022 19:30	2.9	316	16	4.8	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/09/2022 19:40	2.9	317	18	4.5	0.00
28/09/2022 19:50	3.6	304	12	5.2	0.00
28/09/2022 20:00	3.9	301	10	5.6	0.00
28/09/2022 20:10	3.6	295	13	4.9	0.00
28/09/2022 20:20	3.3	289	15	4.9	0.00
28/09/2022 20:30	3.6	284	13	4.8	0.00
28/09/2022 20:40	3.6	275	14	4.8	0.00
28/09/2022 20:50	3.1	271	12	4.3	0.00
28/09/2022 21:00	3.2	263	8	3.9	0.00
28/09/2022 21:10	3.4	263	7	4.1	0.00
28/09/2022 21:20	3.5	264	10	4.4	0.00
28/09/2022 21:30	2.9	260	11	4.0	0.00
28/09/2022 21:40	2.8	246	10	3.7	0.00
28/09/2022 21:50	3.1	250	9	3.8	0.00
28/09/2022 22:00	3.1	256	11	4.0	0.00
28/09/2022 22:10	3.7	254	11	5.2	0.00
28/09/2022 22:20	3.4	262	9	4.4	0.00
28/09/2022 22:30	3.1	254	11	4.0	0.00
28/09/2022 22:40	3.3	260	11	4.4	0.00
28/09/2022 22:50	3.7	261	11	4.6	0.00
28/09/2022 23:00	3.3	258	11	4.8	0.00
28/09/2022 23:10	3.4	256	12	4.8	0.00
28/09/2022 23:20	4.0	256	11	5.6	0.00
28/09/2022 23:30	4.3	254	11	5.7	0.00
28/09/2022 23:40	4.1	251	10	5.5	0.00
28/09/2022 23:50	3.0	249	13	4.4	0.00
29/09/2022 00:00	3.4	252	12	4.8	0.00
29/09/2022 00:10	3.9	249	13	5.0	0.00
29/09/2022 00:20	3.4	249	10	4.9	0.00
29/09/2022 00:30	2.7	247	12	4.0	0.00
29/09/2022 00:40	2.7	244	12	3.9	0.00
29/09/2022 00:50	2.9	250	12	3.8	0.00
29/09/2022 01:00	2.9	253	11	4.2	0.00
29/09/2022 01:10	2.5	252	11	3.1	0.00
29/09/2022 01:20	2.5	254	10	3.0	0.00
29/09/2022 01:30	2.4	251	10	3.0	0.00
29/09/2022 01:40	2.4	245	10	3.2	0.00
29/09/2022 01:50	2.2	239	10	2.8	0.00
29/09/2022 02:00	2.3	237	9	2.9	0.00
29/09/2022 02:10	2.0	245	8	2.8	0.00
29/09/2022 02:20	2.3	247	10	3.0	0.00
29/09/2022 02:30	2.5	244	9	3.1	0.00
29/09/2022 02:40	2.3	246	9	2.9	0.00
29/09/2022 02:50	2.4	248	9	3.2	0.00
29/09/2022 03:00	2.4	242	11	3.1	0.00





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/09/2022 03:10	1.9	239	10	2.6	0.00
29/09/2022 03:20	1.7	241	13	2.1	0.00
29/09/2022 03:30	1.4	240	12	1.9	0.00
29/09/2022 03:40	1.5	237	12	2.0	0.00
29/09/2022 03:50	1.6	239	13	2.5	0.00
29/09/2022 04:00	1.9	242	14	2.7	0.00
29/09/2022 04:10	2.5	245	12	3.6	0.00
29/09/2022 04:20	2.4	250	10	3.5	0.00
29/09/2022 04:30	2.6	249	10	3.6	0.00
29/09/2022 04:40	2.6	245	12	3.4	0.00
29/09/2022 04:50	2.4	247	12	3.5	0.00
29/09/2022 05:00	2.5	250	10	3.6	0.00
29/09/2022 05:10	2.3	252	11	3.1	0.00
29/09/2022 05:20	2.0	249	12	2.8	0.00
29/09/2022 05:30	1.0	246	11	1.6	0.00
29/09/2022 05:40	1.1	256	9	1.2	0.00
29/09/2022 05:50	0.7	287	13	1.0	0.00
29/09/2022 06:00	0.5	155	16	0.9	0.00
29/09/2022 06:10	0.3	143	17	0.8	0.00
29/09/2022 06:20	0.6	228	44	0.8	0.00
29/09/2022 06:30	1.2	295	29	2.0	0.00
29/09/2022 06:40	2.2	287	16	3.1	0.00
29/09/2022 06:50	2.1	283	18	3.0	0.00
29/09/2022 07:00	2.3	287	16	3.7	0.00
29/09/2022 07:10	3.1	282	14	4.3	0.00
29/09/2022 07:20	3.5	273	12	4.8	0.00
29/09/2022 07:30	3.5	265	13	4.8	0.00
29/09/2022 07:40	4.4	266	12	5.8	0.00
29/09/2022 07:50	4.6	259	11	5.9	0.00
29/09/2022 08:00	4.4	263	15	5.8	0.00
29/09/2022 08:10	4.0	261	15	5.4	0.00
29/09/2022 08:20	4.4	259	13	6.0	0.00
29/09/2022 08:30	4.3	268	15	5.9	0.00
29/09/2022 08:40	4.3	261	15	6.2	0.00
29/09/2022 08:50	4.4	254	12	6.3	0.00
29/09/2022 09:00	4.7	250	15	6.1	0.00
29/09/2022 09:10	4.4	247	13	6.0	0.00
29/09/2022 09:20	4.2	257	13	5.7	0.00
29/09/2022 09:30	4.3	263	12	5.7	0.00
29/09/2022 09:40	3.9	267	15	5.4	0.00
29/09/2022 09:50	4.0	257	17	5.8	0.00
29/09/2022 10:00	4.5	247	12	6.0	0.00
29/09/2022 10:10	5.1	249	13	6.8	0.00
29/09/2022 10:20	4.9	258	14	6.9	0.00
29/09/2022 10:30	5.1	251	13	6.7	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/09/2022 10:40	4.2	258	19	6.2	0.00
29/09/2022 10:50	4.5	272	16	6.4	0.00
29/09/2022 11:00	4.6	295	17	6.4	0.00
29/09/2022 11:10	5.1	293	16	6.9	0.00
29/09/2022 11:20	4.9	286	17	6.4	0.00
29/09/2022 11:30	5.2	262	14	6.8	0.00
29/09/2022 11:40	5.4	261	14	7.5	0.00
29/09/2022 11:50	5.4	258	15	7.5	0.00
29/09/2022 12:00	5.4	262	15	7.7	0.00
29/09/2022 12:10	5.3	261	13	7.2	0.00
29/09/2022 12:20	4.8	285	19	7.3	0.00
29/09/2022 12:30	5.0	295	14	7.1	0.00
29/09/2022 12:40	4.8	298	16	7.1	0.00
29/09/2022 12:50	4.4	299	18	6.2	0.00
29/09/2022 13:00	4.6	307	15	6.4	0.00
29/09/2022 13:10	4.8	297	14	7.2	0.00
29/09/2022 13:20	4.9	302	18	6.8	0.00
29/09/2022 13:30	5.2	292	13	7.1	0.00
29/09/2022 13:40	5.3	296	15	7.1	0.00
29/09/2022 13:50	5.5	292	15	7.2	0.00
29/09/2022 14:00	6.2	292	12	7.9	0.00
29/09/2022 14:10	6.3	294	14	8.3	0.00
29/09/2022 14:20	5.9	294	16	7.9	0.00
29/09/2022 14:30	6.2	295	13	8.2	0.00
29/09/2022 14:40	5.7	294	14	7.9	0.00
29/09/2022 14:50	5.8	272	14	7.7	0.00
29/09/2022 15:00	5.9	253	14	8.3	0.00
29/09/2022 15:10	5.4	257	14	7.2	0.00
29/09/2022 15:20	5.8	263	13	8.0	0.00
29/09/2022 15:30	6.0	280	15	8.3	0.00
29/09/2022 15:40	5.4	291	16	7.6	0.00
29/09/2022 15:50	5.4	282	17	8.0	0.00
29/09/2022 16:00	5.2	270	15	7.2	0.00
29/09/2022 16:10	4.7	275	18	7.1	0.00
29/09/2022 16:20	6.0	259	15	7.9	0.00
29/09/2022 16:30	6.2	255	12	8.2	0.00
29/09/2022 16:40	5.6	256	13	7.3	0.00
29/09/2022 16:50	5.4	258	13	7.3	0.00
29/09/2022 17:00	5.2	259	11	7.4	0.00
29/09/2022 17:10	5.0	258	13	7.1	0.00
29/09/2022 17:20	5.0	259	16	7.2	0.00
29/09/2022 17:30	4.4	270	15	6.4	0.00
29/09/2022 17:40	5.1	270	15	7.0	0.00
29/09/2022 17:50	5.2	266	12	7.2	0.00
29/09/2022 18:00	4.6	263	14	6.7	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/09/2022 18:10	4.0	267	15	5.7	0.00
29/09/2022 18:20	4.1	268	14	6.0	0.00
29/09/2022 18:30	4.7	266	13	6.1	0.00
29/09/2022 18:40	4.7	267	12	6.6	0.00
29/09/2022 18:50	4.5	267	14	6.0	0.00
29/09/2022 19:00	4.6	270	15	6.2	0.00
29/09/2022 19:10	4.2	272	17	6.4	0.00
29/09/2022 19:20	4.8	274	14	6.4	0.00
29/09/2022 19:30	4.3	270	13	5.6	0.00
29/09/2022 19:40	4.1	275	14	5.6	0.00
29/09/2022 19:50	3.9	274	14	5.7	0.00
29/09/2022 20:00	4.0	269	15	5.8	0.00
29/09/2022 20:10	4.0	267	14	5.7	0.00
29/09/2022 20:20	3.8	265	14	4.9	0.00
29/09/2022 20:30	3.9	277	16	5.4	0.00
29/09/2022 20:40	3.5	273	15	4.9	0.00
29/09/2022 20:50	3.6	268	13	5.2	0.00
29/09/2022 21:00	3.8	266	12	5.5	0.00
29/09/2022 21:10	3.7	267	13	5.2	0.00
29/09/2022 21:20	3.5	268	15	4.7	0.00
29/09/2022 21:30	3.8	265	11	5.0	0.00
29/09/2022 21:40	3.7	266	14	4.7	0.00
29/09/2022 21:50	3.3	267	13	4.4	0.00
29/09/2022 22:00	3.1	266	13	4.7	0.00
29/09/2022 22:10	3.7	265	11	5.0	0.00
29/09/2022 22:20	3.9	270	13	5.7	0.00
29/09/2022 22:30	3.5	268	13	5.0	0.00
29/09/2022 22:40	3.5	277	18	5.3	0.00
29/09/2022 22:50	4.0	276	16	5.5	0.00
29/09/2022 23:00	3.9	261	12	5.6	0.00
29/09/2022 23:10	4.1	263	10	5.6	0.00
29/09/2022 23:20	3.6	263	12	4.7	0.00
29/09/2022 23:30	3.3	264	11	4.3	0.00
29/09/2022 23:40	3.2	268	13	4.5	0.00
29/09/2022 23:50	3.8	264	12	5.0	0.00
30/09/2022 00:00	3.5	264	12	4.7	0.00
30/09/2022 00:10	3.3	265	12	4.2	0.00
30/09/2022 00:20	3.1	264	10	4.2	0.00
30/09/2022 00:30	3.2	274	15	4.3	0.00
30/09/2022 00:40	3.1	279	16	4.8	0.00
30/09/2022 00:50	2.7	272	15	4.0	0.00
30/09/2022 01:00	2.9	276	17	4.4	0.00
30/09/2022 01:10	3.3	284	15	5.0	0.00
30/09/2022 01:20	3.4	283	15	4.7	0.00
30/09/2022 01:30	3.2	284	17	4.1	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/09/2022 01:40	3.2	280	16	4.9	0.00
30/09/2022 01:50	3.3	287	16	4.9	0.00
30/09/2022 02:00	3.8	291	13	5.5	0.00
30/09/2022 02:10	4.3	291	12	6.2	0.00
30/09/2022 02:20	3.7	287	13	5.2	0.00
30/09/2022 02:30	3.4	280	14	4.8	0.00
30/09/2022 02:40	3.2	284	16	4.4	0.00
30/09/2022 02:50	3.2	281	16	4.8	0.00
30/09/2022 03:00	3.5	288	13	4.8	0.00
30/09/2022 03:10	4.1	293	13	6.0	0.00
30/09/2022 03:20	4.6	299	11	6.1	0.00
30/09/2022 03:30	3.9	304	13	6.6	0.00
30/09/2022 03:40	3.5	307	17	5.7	0.00
30/09/2022 03:50	3.2	313	17	5.2	0.00
30/09/2022 04:00	2.8	328	23	4.7	0.00
30/09/2022 04:10	2.9	315	19	4.8	0.00
30/09/2022 04:20	3.8	301	17	6.2	0.00
30/09/2022 04:30	4.1	298	13	5.9	0.00
30/09/2022 04:40	4.2	298	14	5.8	0.00
30/09/2022 04:50	4.1	299	13	5.9	0.00
30/09/2022 05:00	4.0	300	13	5.6	0.00
30/09/2022 05:10	4.4	294	12	6.8	0.00
30/09/2022 05:20	3.8	299	16	5.5	0.00
30/09/2022 05:30	4.3	297	12	5.9	0.00
30/09/2022 05:40	4.4	295	13	6.3	0.00
30/09/2022 05:50	4.4	285	15	5.7	0.00
30/09/2022 06:00	4.2	293	13	5.6	0.00
30/09/2022 06:10	4.5	291	14	6.8	0.00
30/09/2022 06:20	3.7	286	17	5.3	0.00
30/09/2022 06:30	4.3	296	11	5.9	0.00
30/09/2022 06:40	4.1	300	14	6.0	0.00
30/09/2022 06:50	3.9	303	12	5.5	0.00
30/09/2022 07:00	4.2	296	12	5.9	0.00
30/09/2022 07:10	3.8	295	13	5.4	0.00
30/09/2022 07:20	3.5	286	16	4.6	0.00
30/09/2022 07:30	4.0	288	15	6.2	0.00
30/09/2022 07:40	3.7	282	15	5.4	0.00
30/09/2022 07:50	3.5	270	14	5.2	0.00
30/09/2022 08:00	3.8	283	15	5.6	0.00
30/09/2022 08:10	4.3	291	14	5.6	0.00
30/09/2022 08:20	4.7	294	13	6.3	0.00
30/09/2022 08:30	4.4	296	12	6.1	0.00
30/09/2022 08:40	4.6	294	12	6.6	0.00
30/09/2022 08:50	5.2	296	12	6.5	0.00
30/09/2022 09:00	4.3	304	13	6.0	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/09/2022 09:10	4.2	295	15	5.7	0.00
30/09/2022 09:20	4.1	297	16	5.8	0.00
30/09/2022 09:30	4.2	297	14	6.0	0.00
30/09/2022 09:40	4.3	294	19	5.5	0.00
30/09/2022 09:50	4.0	286	15	5.5	0.00
30/09/2022 10:00	3.8	288	22	5.6	0.00
30/09/2022 10:10	3.8	290	16	5.6	0.00
30/09/2022 10:20	4.0	296	13	5.4	0.10
30/09/2022 10:30	4.0	297	18	5.5	0.00
30/09/2022 10:40	4.4	290	15	6.0	0.00
30/09/2022 10:50	4.4	290	13	6.0	0.00
30/09/2022 11:00	4.5	293	14	5.9	0.00
30/09/2022 11:10	4.6	295	15	6.1	0.00
30/09/2022 11:20	4.8	294	11	6.2	0.00
30/09/2022 11:30	4.8	297	13	6.4	0.00
30/09/2022 11:40	4.7	299	13	6.4	0.00
30/09/2022 11:50	4.8	295	11	6.6	0.00
30/09/2022 12:00	5.2	293	15	6.7	0.00
30/09/2022 12:10	4.2	307	16	6.4	0.00
30/09/2022 12:20	4.7	301	15	7.3	0.00
30/09/2022 12:30	3.9	306	22	5.9	0.00
30/09/2022 12:40	3.4	341	34	5.3	0.00
30/09/2022 12:50	3.7	337	30	6.0	0.00
30/09/2022 13:00	4.1	330	25	6.5	0.00
30/09/2022 13:10	3.9	330	27	6.7	0.00
30/09/2022 13:20	3.9	325	24	6.6	0.00
30/09/2022 13:30	5.0	303	17	7.3	0.00
30/09/2022 13:40	6.2	295	12	8.1	0.00
30/09/2022 13:50	6.0	299	12	8.3	0.00
30/09/2022 14:00	5.6	299	15	8.3	0.00
30/09/2022 14:10	6.0	297	12	7.9	0.00
30/09/2022 14:20	5.4	298	16	7.4	0.00
30/09/2022 14:30	5.6	294	13	7.9	0.00
30/09/2022 14:40	6.0	291	14	8.0	0.00
30/09/2022 14:50	6.2	293	11	8.1	0.00
30/09/2022 15:00	5.6	295	14	7.6	0.00
30/09/2022 15:10	5.8	290	13	8.0	0.00
30/09/2022 15:20	5.3	288	15	7.3	0.00
30/09/2022 15:30	5.4	280	16	7.3	0.00
30/09/2022 15:40	5.9	288	16	7.9	0.00
30/09/2022 15:50	5.0	286	18	6.9	0.00
30/09/2022 16:00	4.9	290	16	7.2	0.00
30/09/2022 16:10	5.7	297	11	7.7	0.00
30/09/2022 16:20	5.2	292	14	7.5	0.00
30/09/2022 16:30	5.6	295	11	7.2	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/09/2022 16:40	5.4	295	13	7.4	0.00
30/09/2022 16:50	5.4	291	13	8.4	0.00
30/09/2022 17:00	5.6	293	12	7.4	0.00
30/09/2022 17:10	5.6	294	12	7.6	0.00
30/09/2022 17:20	5.7	296	11	7.5	0.00
30/09/2022 17:30	5.2	291	14	6.9	0.00
30/09/2022 17:40	5.0	286	16	7.5	0.00
30/09/2022 17:50	5.0	289	13	7.1	0.00
30/09/2022 18:00	4.5	282	16	5.9	0.00
30/09/2022 18:10	4.4	278	15	6.3	0.00
30/09/2022 18:20	4.9	271	13	6.9	0.00
30/09/2022 18:30	4.6	272	14	6.2	0.00
30/09/2022 18:40	5.3	267	13	7.2	0.00
30/09/2022 18:50	4.9	268	11	7.1	0.00
30/09/2022 19:00	4.5	265	12	6.4	0.00
30/09/2022 19:10	4.5	273	14	6.1	0.00
30/09/2022 19:20	4.5	269	14	6.3	0.00
30/09/2022 19:30	4.8	270	13	6.3	0.00
30/09/2022 19:40	4.2	270	13	5.8	0.00
30/09/2022 19:50	4.5	268	14	6.2	0.00
30/09/2022 20:00	4.6	267	13	6.2	0.00
30/09/2022 20:10	4.7	264	11	6.2	0.00
30/09/2022 20:20	4.3	265	12	6.6	0.00
30/09/2022 20:30	4.4	269	14	5.9	0.00
30/09/2022 20:40	4.2	266	12	6.0	0.00
30/09/2022 20:50	3.9	267	14	5.6	0.00
30/09/2022 21:00	4.1	268	15	5.8	0.00
30/09/2022 21:10	4.1	266	13	5.6	0.00
30/09/2022 21:20	4.2	268	13	5.6	0.00
30/09/2022 21:30	4.3	271	15	6.1	0.00
30/09/2022 21:40	4.1	270	14	6.1	0.00
30/09/2022 21:50	4.0	269	12	5.6	0.00
30/09/2022 22:00	4.3	273	14	6.0	0.00
30/09/2022 22:10	4.4	270	14	6.0	0.00
30/09/2022 22:20	3.8	275	16	5.4	0.00
30/09/2022 22:30	4.0	270	13	6.2	0.00
30/09/2022 22:40	4.2	264	11	6.3	0.00
30/09/2022 22:50	4.1	267	13	5.8	0.00
30/09/2022 23:00	4.3	269	12	5.9	0.00
30/09/2022 23:10	4.1	268	12	5.5	0.00
30/09/2022 23:20	4.6	262	12	6.2	0.00
30/09/2022 23:30	5.2	259	11	7.5	0.00
30/09/2022 23:40	5.3	261	10	7.4	0.00
30/09/2022 23:50	5.2	264	9	6.8	0.00
10/01/2022 00:10	4.3	264	10	6.3	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/01/2022 00:20	4.3	264	11	6.2	0.00
10/01/2022 00:30	4.6	262	11	5.8	0.00
10/01/2022 00:40	4.4	263	10	5.6	0.00
10/01/2022 00:50	4.6	262	10	6.1	0.00
10/01/2022 01:00	3.9	267	12	5.6	0.00
10/01/2022 01:10	4.1	264	12	5.6	0.00
10/01/2022 01:20	3.6	262	11	4.8	0.00
10/01/2022 01:30	2.8	266	12	4.0	0.00
10/01/2022 01:40	3.2	267	13	4.1	0.00
10/01/2022 01:50	3.4	260	10	4.5	0.00
10/01/2022 02:00	3.0	256	10	3.9	0.00
10/01/2022 02:10	3.0	274	10	4.0	0.00
10/01/2022 02:20	2.8	276	15	3.8	0.00
10/01/2022 02:30	2.7	274	17	3.7	0.00
10/01/2022 02:40	2.6	270	14	3.8	0.00
10/01/2022 02:50	2.7	271	16	3.8	0.00
10/01/2022 03:00	2.7	264	12	3.4	0.00
10/01/2022 03:10	2.9	261	10	3.7	0.00
10/01/2022 03:20	3.6	262	10	4.8	0.00
10/01/2022 03:30	3.1	258	9	3.8	0.00
10/01/2022 03:40	2.6	263	10	3.2	0.00
10/01/2022 03:50	2.6	264	11	3.3	0.00
10/01/2022 04:00	3.0	265	10	4.4	0.00
10/01/2022 04:10	3.1	264	12	4.0	0.00
10/01/2022 04:20	2.6	265	11	3.6	0.00
10/01/2022 04:30	2.4	262	9	3.0	0.00
10/01/2022 04:40	2.4	264	12	3.2	0.00
10/01/2022 04:50	2.6	263	10	3.6	0.00
10/01/2022 05:00	2.6	263	9	3.1	0.00
10/01/2022 05:10	3.0	261	9	3.7	0.00
10/01/2022 05:20	3.0	266	10	3.6	0.00
10/01/2022 05:30	2.7	262	11	3.6	0.00
10/01/2022 05:40	2.6	263	7	3.4	0.00
10/01/2022 05:50	2.7	261	9	3.5	0.00
10/01/2022 06:00	3.0	262	9	3.9	0.00
10/01/2022 06:10	2.7	263	9	3.6	0.00
10/01/2022 06:20	2.7	263	9	3.5	0.00
10/01/2022 06:30	3.1	266	11	4.0	0.00
10/01/2022 06:40	3.0	262	10	4.1	0.00
10/01/2022 06:50	3.2	263	11	4.0	0.00
10/01/2022 07:00	3.2	267	14	4.1	0.00
10/01/2022 07:10	3.0	270	11	4.3	0.00
10/01/2022 07:20	3.1	269	14	4.3	0.00
10/01/2022 07:30	3.7	267	13	4.8	0.00
10/01/2022 07:40	3.5	270	14	4.6	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/01/2022 07:50	3.3	272	17	4.6	0.00
10/01/2022 08:00	3.7	268	13	5.2	0.00
10/01/2022 08:10	4.0	263	11	5.6	0.00
10/01/2022 08:20	4.2	260	10	5.8	0.00
10/01/2022 08:30	4.0	262	12	5.4	0.00
10/01/2022 08:40	4.3	256	14	6.1	0.00
10/01/2022 08:50	4.5	252	14	5.9	0.00
10/01/2022 09:00	4.4	256	12	5.9	0.00
10/01/2022 09:10	4.5	254	14	5.7	0.00
10/01/2022 09:20	4.8	254	11	6.1	0.00
10/01/2022 09:30	4.2	251	14	5.7	0.00
10/01/2022 09:40	3.7	257	15	5.2	0.00
10/01/2022 09:50	3.1	256	20	4.5	0.00
10/01/2022 10:00	3.2	283	25	5.5	0.00
10/01/2022 10:10	3.3	286	26	4.6	0.00
10/01/2022 10:20	4.1	292	14	5.7	0.00
10/01/2022 10:30	4.1	287	14	5.8	0.00
10/01/2022 10:40	4.8	291	12	6.4	0.00
10/01/2022 10:50	4.9	295	14	6.4	0.00
10/01/2022 11:00	4.8	296	14	6.4	0.00
10/01/2022 11:10	4.7	297	14	6.8	0.00
10/01/2022 11:20	4.5	295	17	6.8	0.00
10/01/2022 11:30	4.6	289	16	6.4	0.00
10/01/2022 11:40	4.7	291	16	6.6	0.00
10/01/2022 11:50	5.0	295	15	7.0	0.00
10/01/2022 12:00	4.5	299	14	6.5	0.00
10/01/2022 12:10	3.6	333	23	5.3	0.00
10/01/2022 12:20	3.8	311	20	6.0	0.00
10/01/2022 12:30	4.9	301	18	7.3	0.00
10/01/2022 12:40	5.6	292	12	7.8	0.00
10/01/2022 12:50	5.7	293	12	7.8	0.00
10/01/2022 13:00	5.4	297	11	7.0	0.00
10/01/2022 13:10	5.2	299	14	7.4	0.00
10/01/2022 13:20	4.8	303	19	6.7	0.00
10/01/2022 13:30	5.3	297	14	7.2	0.00
10/01/2022 13:40	5.5	295	12	7.4	0.00
10/01/2022 13:50	6.0	292	11	7.7	0.00
10/01/2022 14:00	5.9	294	12	7.9	0.00
10/01/2022 14:10	5.3	294	13	7.4	0.00
10/01/2022 14:20	5.5	298	14	7.9	0.00
10/01/2022 14:30	5.6	298	13	7.4	0.00
10/01/2022 14:40	6.1	291	13	8.3	0.00
10/01/2022 14:50	5.8	295	11	7.8	0.00
10/01/2022 15:00	5.9	295	11	7.5	0.00
10/01/2022 15:10	5.1	300	13	7.2	0.00





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/01/2022 15:20	5.0	311	13	6.5	0.00
10/01/2022 15:30	5.3	301	13	6.9	0.00
10/01/2022 15:40	6.0	295	13	7.9	0.00
10/01/2022 15:50	5.4	296	13	7.8	0.00
10/01/2022 16:00	5.6	297	15	7.9	0.00
10/01/2022 16:10	5.4	302	15	7.0	0.00
10/01/2022 16:20	4.7	307	15	6.5	0.00
10/01/2022 16:30	5.1	304	16	7.1	0.00
10/01/2022 16:40	5.1	307	13	6.7	0.00
10/01/2022 16:50	5.1	297	14	7.2	0.00
10/01/2022 17:00	5.2	295	12	6.9	0.00
10/01/2022 17:10	5.3	295	12	7.2	0.00
10/01/2022 17:20	5.6	299	11	7.6	0.00
10/01/2022 17:30	5.5	295	10	7.3	0.00
10/01/2022 17:40	4.9	299	14	6.9	0.00
10/01/2022 17:50	5.3	299	12	7.0	0.00
10/01/2022 18:00	5.5	294	12	7.5	0.00
10/01/2022 18:10	4.9	289	16	7.0	0.00
10/01/2022 18:20	5.1	292	12	7.0	0.00
10/01/2022 18:30	5.3	289	14	6.8	0.00
10/01/2022 18:40	4.6	284	15	6.7	0.00
10/01/2022 18:50	4.6	273	13	6.4	0.00
10/01/2022 19:00	4.1	277	16	6.2	0.00
10/01/2022 19:10	3.5	289	15	5.2	0.00
10/01/2022 19:20	3.7	285	18	5.4	0.00
10/01/2022 19:30	3.9	275	14	5.5	0.00
10/01/2022 19:40	3.9	275	15	5.7	0.00
10/01/2022 19:50	4.0	276	14	5.6	0.00
10/01/2022 20:00	4.1	278	17	5.6	0.00
10/01/2022 20:10	4.4	273	13	5.8	0.00
10/01/2022 20:20	3.9	275	15	5.3	0.00
10/01/2022 20:30	3.5	272	14	4.8	0.00
10/01/2022 20:40	3.3	268	12	4.5	0.00
10/01/2022 20:50	3.6	268	13	5.2	0.00
10/01/2022 21:00	3.6	264	12	4.6	0.00
10/01/2022 21:10	4.1	268	13	5.6	0.00
10/01/2022 21:20	4.5	265	12	5.9	0.00
10/01/2022 21:30	4.6	265	11	6.7	0.00
10/01/2022 21:40	4.7	267	13	6.1	0.00
10/01/2022 21:50	3.8	271	14	5.6	0.00
10/01/2022 22:00	4.1	270	14	5.6	0.00
10/01/2022 22:10	3.3	268	12	4.7	0.00
10/01/2022 22:20	3.5	275	14	5.0	0.00
10/01/2022 22:30	2.8	277	18	3.9	0.00
10/01/2022 22:40	3.3	273	17	4.8	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/01/2022 22:50	4.0	295	12	5.6	0.00
10/01/2022 23:00	4.3	300	11	6.1	0.00
10/01/2022 23:10	3.9	299	12	5.2	0.00
10/01/2022 23:20	4.6	299	12	6.1	0.00
10/01/2022 23:30	4.3	298	12	6.1	0.00
10/01/2022 23:40	4.5	296	13	6.0	0.00
10/01/2022 23:50	4.8	298	11	6.3	0.00
10/02/2022 00:00	4.7	297	13	6.7	0.00
10/02/2022 00:10	4.8	296	11	6.7	0.00
10/02/2022 00:20	4.5	296	15	6.7	0.00
10/02/2022 00:30	3.9	296	12	5.6	0.00
10/02/2022 00:40	4.4	297	11	6.0	0.00
10/02/2022 00:50	4.4	290	13	6.1	0.00
10/02/2022 01:00	3.9	285	15	5.7	0.00
10/02/2022 01:10	3.9	282	16	5.1	0.00
10/02/2022 01:20	3.5	282	15	5.2	0.00
10/02/2022 01:30	4.1	279	15	5.4	0.00
10/02/2022 01:40	4.3	283	16	6.0	0.00
10/02/2022 01:50	4.1	269	13	6.4	0.00
10/02/2022 02:00	5.0	271	13	6.6	0.00
10/02/2022 02:10	3.8	273	16	5.4	0.00
10/02/2022 02:20	4.1	274	14	6.0	0.00
10/02/2022 02:30	4.1	267	12	5.8	0.00
10/02/2022 02:40	3.9	268	14	5.2	0.00
10/02/2022 02:50	3.3	271	15	4.8	0.00
10/02/2022 03:00	3.5	273	15	5.2	0.00
10/02/2022 03:10	3.5	277	16	5.0	0.00
10/02/2022 03:20	3.5	271	15	5.5	0.00
10/02/2022 03:30	3.6	269	12	4.8	0.00
10/02/2022 03:40	3.8	272	14	5.0	0.00
10/02/2022 03:50	4.0	271	13	5.5	0.00
10/02/2022 04:00	3.6	271	14	4.8	0.00
10/02/2022 04:10	2.8	280	15	4.1	0.00
10/02/2022 04:20	3.1	276	16	4.8	0.00
10/02/2022 04:30	3.0	271	14	4.4	0.00
10/02/2022 04:40	2.6	271	15	3.5	0.00
10/02/2022 04:50	2.3	271	13	3.2	0.00
10/02/2022 05:00	2.1	275	14	2.9	0.00
10/02/2022 05:10	1.9	270	12	2.6	0.00
10/02/2022 05:20	1.9	271	10	2.4	0.00
10/02/2022 05:30	2.1	271	8	2.7	0.00
10/02/2022 05:40	1.7	272	11	2.1	0.00
10/02/2022 05:50	1.3	284	11	1.7	0.00
10/02/2022 06:00	1.7	268	8	2.1	0.00
10/02/2022 06:10	1.6	238	8	2.1	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/02/2022 06:20	1.3	244	10	1.9	0.00
10/02/2022 06:30	1.6	245	9	1.9	0.00
10/02/2022 06:40	1.5	237	12	2.1	0.00
10/02/2022 06:50	2.0	234	12	2.6	0.00
10/02/2022 07:00	2.6	238	13	3.6	0.00
10/02/2022 07:10	2.0	238	17	2.7	0.00
10/02/2022 07:20	2.2	226	20	3.0	0.00
10/02/2022 07:30	2.9	227	14	4.0	0.00
10/02/2022 07:40	3.0	230	15	4.6	0.00
10/02/2022 07:50	3.1	227	18	4.8	0.00
10/02/2022 08:00	3.5	225	21	4.9	0.00
10/02/2022 08:10	3.0	225	25	4.3	0.00
10/02/2022 08:20	3.0	215	31	4.4	0.00
10/02/2022 08:30	2.8	226	37	4.5	0.00
10/02/2022 08:40	3.0	226	34	4.5	0.00
10/02/2022 08:50	3.4	222	20	4.8	0.00
10/02/2022 09:00	3.1	227	22	4.7	0.00
10/02/2022 09:10	3.1	235	20	4.4	0.00
10/02/2022 09:20	3.1	228	35	5.4	0.00
10/02/2022 09:30	2.9	225	25	4.3	0.00
10/02/2022 09:40	2.6	225	36	4.8	0.00
10/02/2022 09:50	2.4	219	33	4.5	0.00
10/02/2022 10:00	2.7	219	39	4.3	0.00
10/02/2022 10:10	3.0	238	26	5.0	0.00
10/02/2022 10:20	4.1	237	15	6.0	0.00
10/02/2022 10:30	3.9	246	13	5.7	0.00
10/02/2022 10:40	3.0	226	34	5.2	0.00
10/02/2022 10:50	3.5	242	21	5.2	0.00
10/02/2022 11:00	2.7	264	25	4.9	0.00
10/02/2022 11:10	2.9	282	24	4.8	0.00
10/02/2022 11:20	3.0	305	18	4.5	0.00
10/02/2022 11:30	3.9	306	16	6.3	0.00
10/02/2022 11:40	4.0	286	17	5.5	0.00
10/02/2022 11:50	4.3	275	23	6.3	0.00
10/02/2022 12:00	4.1	289	18	5.9	0.00
10/02/2022 12:10	4.1	295	17	5.8	0.00
10/02/2022 12:20	4.5	303	16	6.5	0.00
10/02/2022 12:30	4.6	304	15	6.6	0.00
10/02/2022 12:40	5.4	300	14	7.7	0.00
10/02/2022 12:50	5.6	297	13	7.5	0.00
10/02/2022 13:00	5.3	281	21	7.6	0.00
10/02/2022 13:10	5.1	283	18	8.1	0.00
10/02/2022 13:20	5.8	281	18	8.2	0.00
10/02/2022 13:30	5.8	274	19	7.7	0.00
10/02/2022 13:40	5.9	273	16	7.9	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/02/2022 13:50	7.1	266	13	8.9	0.00
10/02/2022 14:00	6.8	264	13	8.9	0.00
10/02/2022 14:10	7.1	268	14	10.2	0.00
10/02/2022 14:20	7.1	263	12	9.6	0.00
10/02/2022 14:30	8.1	266	10	10.8	0.00
10/02/2022 14:40	6.8	268	13	9.7	0.00
10/02/2022 14:50	6.8	263	13	9.4	0.00
10/02/2022 15:00	6.4	266	13	8.5	0.00
10/02/2022 15:10	6.8	266	14	9.4	0.00
10/02/2022 15:20	6.5	265	14	9.5	0.00
10/02/2022 15:30	6.1	263	13	8.8	0.00
10/02/2022 15:40	5.5	270	16	7.3	0.00
10/02/2022 15:50	5.5	268	15	7.9	0.00
10/02/2022 16:00	5.4	288	18	8.0	0.00
10/02/2022 16:10	5.4	295	14	7.2	0.00
10/02/2022 16:20	5.6	291	16	7.3	0.00
10/02/2022 16:30	6.1	294	13	8.1	0.00
10/02/2022 16:40	6.0	294	14	7.8	0.00
10/02/2022 16:50	5.7	288	15	8.0	0.00
10/02/2022 17:00	4.6	280	15	7.0	0.00
10/02/2022 17:10	5.1	275	15	6.7	0.00
10/02/2022 17:20	5.7	265	15	7.9	0.00
10/02/2022 17:30	6.5	264	12	8.4	0.00
10/02/2022 17:40	5.9	265	12	8.1	0.00
10/02/2022 17:50	6.2	267	11	8.6	0.00
10/02/2022 18:00	5.4	268	12	8.1	0.00
10/02/2022 18:10	4.9	267	13	7.0	0.00
10/02/2022 18:20	5.0	268	13	7.1	0.00
10/02/2022 18:30	5.9	264	13	7.9	0.00
10/02/2022 18:40	5.3	267	14	7.2	0.00
10/02/2022 18:50	5.6	264	14	7.5	0.00
10/02/2022 19:00	5.4	265	12	7.2	0.00
10/02/2022 19:10	5.3	263	12	7.9	0.00
10/02/2022 19:20	5.2	266	12	7.2	0.00
10/02/2022 19:30	5.3	260	11	7.0	0.00
10/02/2022 19:40	4.9	269	13	6.4	0.00
10/02/2022 19:50	4.7	266	12	6.1	0.00
10/02/2022 20:00	5.3	265	12	7.2	0.00
10/02/2022 20:10	5.9	263	9	7.9	0.00
10/02/2022 20:20	5.9	264	11	8.5	0.00
10/02/2022 20:30	5.7	262	10	7.6	0.00
10/02/2022 20:40	6.1	264	10	8.3	0.00
10/02/2022 20:50	5.8	264	10	8.3	0.00
10/02/2022 21:00	5.5	258	12	8.2	0.00
10/02/2022 21:10	6.2	260	12	8.7	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/02/2022 21:20	6.8	259	10	8.9	0.00
10/02/2022 21:30	6.9	263	12	9.5	0.00
10/02/2022 21:40	6.8	263	10	9.5	0.00
10/02/2022 21:50	6.5	263	11	8.4	0.00
10/02/2022 22:00	7.2	263	9	9.2	0.00
10/02/2022 22:10	6.4	263	11	8.7	0.00
10/02/2022 22:20	6.8	263	11	9.0	0.00
10/02/2022 22:30	6.6	261	11	9.1	0.00
10/02/2022 22:40	6.7	262	11	8.7	0.00
10/02/2022 22:50	5.9	260	13	8.1	0.00
10/02/2022 23:00	5.9	258	11	7.7	0.00
10/02/2022 23:10	6.7	259	12	9.5	0.00
10/02/2022 23:20	6.4	258	11	8.9	0.00
10/02/2022 23:30	5.9	258	12	8.2	0.00
10/02/2022 23:40	6.7	256	11	8.5	0.00
10/02/2022 23:50	6.6	255	10	9.1	0.00
10/03/2022 00:00	5.3	256	12	7.5	0.00
10/03/2022 00:10	6.0	254	10	8.1	0.00
10/03/2022 00:20	6.4	256	11	9.0	0.00
10/03/2022 00:30	6.7	258	11	8.7	0.00
10/03/2022 00:40	5.4	254	12	7.6	0.00
10/03/2022 00:50	5.6	256	12	7.2	0.00
10/03/2022 01:00	5.3	255	11	7.3	0.00
10/03/2022 01:10	5.6	254	11	7.5	0.00
10/03/2022 01:20	5.5	256	11	8.0	0.00
10/03/2022 01:30	5.2	253	12	6.8	0.00
10/03/2022 01:40	5.7	253	12	8.2	0.00
10/03/2022 01:50	4.4	253	12	6.5	0.00
10/03/2022 02:00	4.0	253	12	5.7	0.00
10/03/2022 02:10	3.9	249	12	5.5	0.00
10/03/2022 02:20	3.8	243	13	5.5	0.00
10/03/2022 02:30	3.6	245	13	5.1	0.00
10/03/2022 02:40	3.9	249	12	5.2	0.00
10/03/2022 02:50	3.8	244	12	5.5	0.00
10/03/2022 03:00	3.7	238	12	5.5	0.00
10/03/2022 03:10	3.7	239	11	5.6	0.00
10/03/2022 03:20	3.8	240	12	4.9	0.00
10/03/2022 03:30	3.4	246	13	4.6	0.00
10/03/2022 03:40	3.0	247	11	4.0	0.00
10/03/2022 03:50	3.3	248	12	4.0	0.00
10/03/2022 04:00	2.5	247	12	3.6	0.00
10/03/2022 04:10	2.6	247	14	3.9	0.00
10/03/2022 04:20	2.0	252	14	2.8	0.00
10/03/2022 04:30	1.7	255	15	2.3	0.00
10/03/2022 04:40	2.7	261	9	3.4	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/03/2022 04:50	2.3	261	10	3.0	0.00
10/03/2022 05:00	1.3	259	12	2.0	0.00
10/03/2022 05:10	1.5	263	12	2.2	0.00
10/03/2022 05:20	1.5	259	16	2.0	0.00
10/03/2022 05:30	1.1	253	15	1.3	0.00
10/03/2022 05:40	1.1	246	20	1.6	0.00
10/03/2022 05:50	0.8	254	15	1.2	0.00
10/03/2022 06:00	1.0	252	42	1.9	0.00
10/03/2022 06:10	1.1	246	31	1.9	0.00
10/03/2022 06:20	1.3	225	26	2.0	0.00
10/03/2022 06:30	1.1	281	54	1.8	0.00
10/03/2022 06:40	1.3	195	83	2.0	0.00
10/03/2022 06:50	1.3	205	87	2.0	0.00
10/03/2022 07:00	1.4	102	83	3.1	0.00
10/03/2022 07:10	1.5	131	71	3.0	0.00
10/03/2022 07:20	1.6	145	74	2.9	0.00
10/03/2022 07:30	2.6	143	29	4.3	0.00
10/03/2022 07:40	2.2	146	42	3.7	0.00
10/03/2022 07:50	2.7	142	31	4.1	0.00
10/03/2022 08:00	2.4	137	31	3.4	0.00
10/03/2022 08:10	3.2	136	20	4.4	0.00
10/03/2022 08:20	2.9	131	17	4.3	0.00
10/03/2022 08:30	3.0	129	22	4.7	0.00
10/03/2022 08:40	3.0	123	18	4.7	0.00
10/03/2022 08:50	3.0	134	18	4.6	0.00
10/03/2022 09:00	3.0	131	18	4.3	0.00
10/03/2022 09:10	2.6	125	19	3.6	0.00
10/03/2022 09:20	2.5	140	23	3.9	0.00
10/03/2022 09:30	2.4	127	25	4.0	0.00
10/03/2022 09:40	2.6	120	26	4.4	0.00
10/03/2022 09:50	3.1	119	26	4.6	0.00
10/03/2022 10:00	2.4	130	43	4.4	0.00
10/03/2022 10:10	2.3	115	30	4.0	0.00
10/03/2022 10:20	2.6	119	46	4.8	0.00
10/03/2022 10:30	3.0	89	19	5.7	0.00
10/03/2022 10:40	3.6	91	16	5.2	0.00
10/03/2022 10:50	2.6	101	26	4.1	0.00
10/03/2022 11:00	3.3	96	16	5.4	0.00
10/03/2022 11:10	2.8	121	31	5.0	0.00
10/03/2022 11:20	3.4	101	26	5.7	0.00
10/03/2022 11:30	3.1	104	32	5.1	0.00
10/03/2022 11:40	3.1	109	23	4.8	0.00
10/03/2022 11:50	2.5	178	43	4.6	0.00
10/03/2022 12:00	4.0	307	16	5.5	0.00
10/03/2022 12:10	3.7	300	22	5.0	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/03/2022 12:20	3.0	316	24	4.5	0.00
10/03/2022 12:30	3.4	317	22	5.4	0.00
10/03/2022 12:40	3.5	318	23	5.9	0.00
10/03/2022 12:50	5.8	302	15	7.9	0.00
10/03/2022 13:00	4.8	304	16	6.3	0.00
10/03/2022 13:10	4.1	345	27	6.7	0.00
10/03/2022 13:20	5.0	7	19	7.0	0.00
10/03/2022 13:30	4.9	178	19	6.9	0.00
10/03/2022 13:40	4.3	343	20	6.4	0.00
10/03/2022 13:50	4.8	307	18	7.1	0.00
10/03/2022 14:00	5.9	296	13	7.9	0.00
10/03/2022 14:10	6.2	297	13	8.1	0.00
10/03/2022 14:20	5.1	301	15	7.1	0.00
10/03/2022 14:30	6.1	296	13	8.1	0.00
10/03/2022 14:40	5.9	297	13	8.3	0.00
10/03/2022 14:50	5.6	302	13	7.6	0.00
10/03/2022 15:00	6.0	300	14	8.8	0.00
10/03/2022 15:10	5.7	299	14	7.6	0.00
10/03/2022 15:20	5.6	302	13	8.5	0.00
10/03/2022 15:30	5.2	304	15	7.1	0.00
10/03/2022 15:40	5.4	307	18	7.4	0.00
10/03/2022 15:50	5.1	303	17	7.1	0.00
10/03/2022 16:00	5.2	299	13	7.2	0.00
10/03/2022 16:10	5.3	299	17	7.5	0.00
10/03/2022 16:20	5.5	300	13	7.9	0.00
10/03/2022 16:30	5.4	296	14	7.5	0.00
10/03/2022 16:40	6.0	296	11	7.6	0.00
10/03/2022 16:50	5.2	295	14	6.9	0.00
10/03/2022 17:00	5.3	297	11	7.2	0.00
10/03/2022 17:10	5.6	298	13	7.7	0.00
10/03/2022 17:20	5.6	298	13	7.5	0.00
10/03/2022 17:30	5.1	297	12	7.2	0.00
10/03/2022 17:40	5.1	294	14	7.2	0.00
10/03/2022 17:50	5.2	298	12	7.2	0.00
10/03/2022 18:00	4.6	295	13	6.4	0.00
10/03/2022 18:10	4.9	295	14	6.8	0.00
10/03/2022 18:20	4.4	292	15	6.5	0.00
10/03/2022 18:30	4.7	295	13	6.8	0.00
10/03/2022 18:40	4.3	294	15	6.1	0.00
10/03/2022 18:50	4.6	292	13	6.1	0.00
10/03/2022 19:00	4.3	290	14	6.0	0.00
10/03/2022 19:10	4.0	290	14	5.7	0.00
10/03/2022 19:20	4.1	289	15	6.4	0.00
10/03/2022 19:30	4.2	290	13	6.0	0.00
10/03/2022 19:40	3.2	282	18	4.8	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/03/2022 19:50	3.7	274	16	5.3	0.00
10/03/2022 20:00	4.4	275	16	6.4	0.00
10/03/2022 20:10	4.5	275	15	6.4	0.00
10/03/2022 20:20	4.2	275	17	6.4	0.00
10/03/2022 20:30	3.8	279	15	5.6	0.00
10/03/2022 20:40	4.4	273	14	6.6	0.00
10/03/2022 20:50	4.5	272	13	6.9	0.00
10/03/2022 21:00	4.4	271	14	5.9	0.00
10/03/2022 21:10	3.9	271	13	5.3	0.00
10/03/2022 21:20	4.2	274	14	5.7	0.00
10/03/2022 21:30	3.7	272	14	5.2	0.00
10/03/2022 21:40	4.2	271	15	5.7	0.00
10/03/2022 21:50	4.5	267	12	6.0	0.00
10/03/2022 22:00	4.9	262	11	6.7	0.00
10/03/2022 22:10	5.4	265	9	7.9	0.00
10/03/2022 22:20	5.5	262	11	7.5	0.00
10/03/2022 22:30	5.6	264	12	7.3	0.00
10/03/2022 22:40	5.6	261	12	8.1	0.00
10/03/2022 22:50	6.1	260	12	8.1	0.00
10/03/2022 23:00	5.9	258	10	8.2	0.00
10/03/2022 23:10	6.1	261	10	8.4	0.00
10/03/2022 23:20	5.8	263	10	7.8	0.00
10/03/2022 23:30	6.2	262	11	8.7	0.00
10/03/2022 23:40	6.0	260	11	8.2	0.00
10/03/2022 23:50	6.3	264	10	9.0	0.00
10/04/2022 00:00	5.9	262	11	7.5	0.00
10/04/2022 00:10	5.6	260	14	7.7	0.00
10/04/2022 00:20	4.8	260	13	6.8	0.00
10/04/2022 00:30	5.4	260	11	7.5	0.00
10/04/2022 00:40	5.5	264	10	7.6	0.00
10/04/2022 00:50	4.6	262	12	6.0	0.00
10/04/2022 01:00	4.7	260	13	6.5	0.00
10/04/2022 01:10	4.3	260	13	6.4	0.00
10/04/2022 01:20	4.4	258	11	6.0	0.00
10/04/2022 01:30	4.2	257	10	6.2	0.00
10/04/2022 01:40	4.3	254	11	6.0	0.00
10/04/2022 01:50	3.9	260	10	5.4	0.00
10/04/2022 02:00	3.9	258	10	5.1	0.00
10/04/2022 02:10	4.4	264	9	6.0	0.00
10/04/2022 02:20	4.0	263	8	5.6	0.00
10/04/2022 02:30	3.7	259	10	5.1	0.00
10/04/2022 02:40	3.5	255	9	4.5	0.00
10/04/2022 02:50	3.3	255	10	4.3	0.00
10/04/2022 03:00	3.4	251	10	4.3	0.00
10/04/2022 03:10	3.0	250	9	3.8	0.00





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/04/2022 03:20	2.8	250	10	3.7	0.00
10/04/2022 03:30	1.9	234	13	2.7	0.00
10/04/2022 03:40	1.6	236	12	2.2	0.00
10/04/2022 03:50	1.3	224	13	2.0	0.00
10/04/2022 04:00	1.6	235	12	2.0	0.00
10/04/2022 04:10	1.4	239	13	1.8	0.00
10/04/2022 04:20	0.7	216	20	1.2	0.00
10/04/2022 04:30	0.3	201	21	1.1	0.00
10/04/2022 04:40	0.8	247	26	1.6	0.00
10/04/2022 04:50	1.8	261	14	2.9	0.00
10/04/2022 05:00	1.2	274	18	2.0	0.00
10/04/2022 05:10	0.7	244	22	1.5	0.00
10/04/2022 05:20	0.8	201	34	1.9	0.00
10/04/2022 05:30	1.0	257	77	2.0	0.00
10/04/2022 05:40	1.6	140	48	2.8	0.00
10/04/2022 05:50	1.8	146	50	2.8	0.00
10/04/2022 06:00	2.1	143	33	3.3	0.00
10/04/2022 06:10	2.7	136	15	4.1	0.00
10/04/2022 06:20	3.2	129	14	4.5	0.00
10/04/2022 06:30	3.8	127	14	5.5	0.00
10/04/2022 06:40	3.1	123	13	4.3	0.00
10/04/2022 06:50	2.9	119	12	4.4	0.00
10/04/2022 07:00	4.4	102	11	5.9	0.00
10/04/2022 07:10	4.7	100	11	6.8	0.00
10/04/2022 07:20	4.9	105	10	6.8	0.00
10/04/2022 07:30	5.0	106	11	6.3	0.00
10/04/2022 07:40	4.8	108	10	6.6	0.00
10/04/2022 07:50	4.9	106	12	6.9	0.00
10/04/2022 08:00	4.8	102	11	6.4	0.00
10/04/2022 08:10	5.4	102	12	7.2	0.00
10/04/2022 08:20	6.2	100	13	8.9	0.00
10/04/2022 08:30	6.3	103	10	8.7	0.00
10/04/2022 08:40	6.4	106	11	8.6	0.00
10/04/2022 08:50	5.3	96	14	7.2	0.00
10/04/2022 09:00	6.1	106	13	8.8	0.00
10/04/2022 09:10	5.7	94	13	8.1	0.00
10/04/2022 09:20	6.4	88	12	9.1	0.00
10/04/2022 09:30	6.2	89	14	8.1	0.00
10/04/2022 09:40	5.4	93	14	8.0	0.00
10/04/2022 09:50	6.2	90	13	8.6	0.00
10/04/2022 10:00	5.8	93	14	7.9	0.00
10/04/2022 10:10	5.7	94	15	7.6	0.00
10/04/2022 10:20	6.0	101	15	7.7	0.00
10/04/2022 10:30	6.2	98	11	8.6	0.00
10/04/2022 10:40	6.1	81	12	8.3	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/04/2022 10:50	5.8	93	13	8.6	0.00
10/04/2022 11:00	5.7	85	13	7.7	0.00
10/04/2022 11:10	6.4	75	11	8.5	0.00
10/04/2022 11:20	6.4	80	11	8.6	0.00
10/04/2022 11:30	5.9	85	13	7.9	0.00
10/04/2022 11:40	5.8	80	11	7.5	0.00
10/04/2022 11:50	5.8	73	12	8.5	0.00
10/04/2022 12:00	6.2	76	13	7.6	0.00
10/04/2022 12:10	5.8	75	12	7.8	0.00
10/04/2022 12:20	5.7	77	12	7.9	0.00
10/04/2022 12:30	5.3	84	13	7.5	0.00
10/04/2022 12:40	5.6	75	11	7.8	0.00
10/04/2022 12:50	5.2	74	12	6.7	0.00
10/04/2022 13:00	4.8	82	13	6.4	0.00
10/04/2022 13:10	4.9	77	14	6.4	0.00
10/04/2022 13:20	4.6	75	17	6.7	0.00
10/04/2022 13:30	4.1	73	20	5.9	0.00
10/04/2022 13:40	3.6	73	24	6.4	0.00
10/04/2022 13:50	3.0	62	22	5.0	0.00
10/04/2022 14:00	2.9	20	23	4.2	0.00
10/04/2022 14:10	3.4	15	25	5.0	0.00
10/04/2022 14:20	3.2	13	22	4.7	0.00
10/04/2022 14:30	3.3	14	23	5.2	0.00
10/04/2022 14:40	3.4	356	23	5.0	0.00
10/04/2022 14:50	3.4	347	24	4.9	0.00
10/04/2022 15:00	3.2	357	22	5.1	0.00
10/04/2022 15:10	3.2	347	18	4.6	0.00
10/04/2022 15:20	3.3	180	20	4.8	0.00
10/04/2022 15:30	3.3	6	21	4.4	0.00
10/04/2022 15:40	3.1	12	19	5.1	0.00
10/04/2022 15:50	3.6	9	20	5.7	0.00
10/04/2022 16:00	3.8	182	18	5.2	0.00
10/04/2022 16:10	3.9	8	18	5.6	0.00
10/04/2022 16:20	3.6	7	16	5.2	0.00
10/04/2022 16:30	4.1	14	17	5.3	0.00
10/04/2022 16:40	4.1	186	18	6.0	0.00
10/04/2022 16:50	3.6	183	21	5.8	0.00
10/04/2022 17:00	2.6	348	25	4.1	0.00
10/04/2022 17:10	3.2	340	24	4.8	0.00
10/04/2022 17:20	3.1	334	20	4.6	0.00
10/04/2022 17:30	3.7	312	16	5.7	0.00
10/04/2022 17:40	4.5	300	12	6.0	0.00
10/04/2022 17:50	4.2	300	11	5.8	0.00
10/04/2022 18:00	4.7	293	11	6.1	0.00
10/04/2022 18:10	4.6	293	10	5.6	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/04/2022 18:20	4.4	295	12	5.9	0.00
10/04/2022 18:30	4.0	289	13	5.7	0.00
10/04/2022 18:40	4.1	292	12	5.3	0.00
10/04/2022 18:50	4.1	292	11	5.6	0.00
10/04/2022 19:00	3.9	280	14	5.6	0.00
10/04/2022 19:10	3.7	282	13	5.2	0.00
10/04/2022 19:20	3.4	277	15	4.7	0.00
10/04/2022 19:30	3.8	270	15	5.2	0.00
10/04/2022 19:40	3.9	271	15	5.4	0.00
10/04/2022 19:50	3.3	266	12	5.2	0.00
10/04/2022 20:00	3.7	266	12	5.1	0.00
10/04/2022 20:10	3.7	267	12	5.4	0.00
10/04/2022 20:20	3.3	271	13	4.4	0.00
10/04/2022 20:30	3.3	266	12	4.4	0.00
10/04/2022 20:40	4.0	265	10	5.5	0.00
10/04/2022 20:50	3.5	262	11	4.7	0.00
10/04/2022 21:00	4.1	260	11	5.3	0.00
10/04/2022 21:10	4.4	261	9	5.9	0.00
10/04/2022 21:20	4.2	260	11	5.8	0.00
10/04/2022 21:30	4.2	259	12	5.5	0.00
10/04/2022 21:40	3.5	260	11	4.7	0.00
10/04/2022 21:50	4.3	258	11	6.0	0.00
10/04/2022 22:00	3.9	257	13	5.6	0.00
10/04/2022 22:10	4.0	256	12	5.5	0.00
10/04/2022 22:20	3.5	255	10	5.0	0.00
10/04/2022 22:30	3.6	255	11	4.8	0.00
10/04/2022 22:40	4.0	255	11	5.4	0.00
10/04/2022 22:50	3.9	256	11	5.2	0.00
10/04/2022 23:00	4.0	256	11	5.4	0.00
10/04/2022 23:10	3.7	259	10	4.8	0.00
10/04/2022 23:20	3.5	255	11	4.8	0.00
10/04/2022 23:30	2.5	250	12	3.4	0.00
10/04/2022 23:40	2.5	242	14	3.5	0.00
10/04/2022 23:50	2.5	243	13	3.6	0.00
10/05/2022 00:00	3.3	247	12	4.6	0.00
10/05/2022 00:10	3.4	249	12	5.1	0.00
10/05/2022 00:20	3.2	246	13	4.4	0.00
10/05/2022 00:30	3.2	246	12	4.4	0.00
10/05/2022 00:40	3.1	248	11	4.9	0.00
10/05/2022 00:50	3.0	249	10	4.0	0.00
10/05/2022 01:00	3.4	245	11	4.6	0.00
10/05/2022 01:10	3.4	241	13	4.9	0.00
10/05/2022 01:20	2.8	246	11	4.0	0.00
10/05/2022 01:30	3.2	240	12	4.4	0.00
10/05/2022 01:40	2.8	245	11	4.2	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/05/2022 01:50	2.8	252	14	3.6	0.00
10/05/2022 02:00	2.8	247	14	3.9	0.00
10/05/2022 02:10	3.2	246	12	4.2	0.00
10/05/2022 02:20	3.1	242	15	4.4	0.00
10/05/2022 02:30	3.5	250	12	4.6	0.00
10/05/2022 02:40	2.8	253	13	4.0	0.00
10/05/2022 02:50	2.9	252	10	4.2	0.00
10/05/2022 03:00	3.0	253	13	4.3	0.00
10/05/2022 03:10	3.0	253	11	4.3	0.00
10/05/2022 03:20	2.8	248	13	4.4	0.00
10/05/2022 03:30	3.3	248	11	4.4	0.00
10/05/2022 03:40	3.7	248	13	5.2	0.00
10/05/2022 03:50	3.7	246	12	5.2	0.00
10/05/2022 04:00	3.1	242	14	4.9	0.00
10/05/2022 04:10	2.6	240	12	3.7	0.00
10/05/2022 04:20	2.4	240	14	3.9	0.00
10/05/2022 04:30	2.8	247	14	4.2	0.00
10/05/2022 04:40	3.2	247	11	4.7	0.00
10/05/2022 04:50	3.2	248	13	4.2	0.00
10/05/2022 05:00	3.3	252	12	5.0	0.00
10/05/2022 05:10	3.2	246	15	4.5	0.00
10/05/2022 05:20	2.8	249	11	4.5	0.00
10/05/2022 05:30	3.1	250	10	4.4	0.00
10/05/2022 05:40	2.3	242	11	3.6	0.00
10/05/2022 05:50	2.2	244	11	2.8	0.00
10/05/2022 06:00	2.1	239	14	3.0	0.00
10/05/2022 06:10	2.1	247	10	2.8	0.00
10/05/2022 06:20	1.6	230	13	2.0	0.00
10/05/2022 06:30	1.4	237	13	2.0	0.00
10/05/2022 06:40	2.3	238	12	3.2	0.00
10/05/2022 06:50	2.2	234	16	3.1	0.00
10/05/2022 07:00	2.4	230	19	3.8	0.00
10/05/2022 07:10	3.7	246	14	5.3	0.00
10/05/2022 07:20	3.5	246	13	4.8	0.00
10/05/2022 07:30	3.2	238	14	4.3	0.00
10/05/2022 07:40	2.6	235	16	3.6	0.00
10/05/2022 07:50	3.1	247	12	4.1	0.00
10/05/2022 08:00	2.4	243	17	3.7	0.00
10/05/2022 08:10	2.0	251	22	3.2	0.00
10/05/2022 08:20	1.3	235	39	2.3	0.00
10/05/2022 08:30	1.7	248	30	2.8	0.00
10/05/2022 08:40	1.3	215	66	2.6	0.00
10/05/2022 08:50	2.0	242	25	3.5	0.00
10/05/2022 09:00	1.8	253	37	3.2	0.00
10/05/2022 09:10	2.7	279	19	4.0	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/05/2022 09:20	2.6	287	19	3.8	0.00
10/05/2022 09:30	2.5	293	21	3.4	0.00
10/05/2022 09:40	2.7	280	24	3.9	0.00
10/05/2022 09:50	2.8	285	21	3.9	0.00
10/05/2022 10:00	3.0	303	14	4.2	0.00
10/05/2022 10:10	2.6	291	25	4.0	0.00
10/05/2022 10:20	2.6	277	26	4.2	0.00
10/05/2022 10:30	3.0	279	23	4.5	0.00
10/05/2022 10:40	3.0	286	18	4.7	0.00
10/05/2022 10:50	3.1	290	18	4.4	0.00
10/05/2022 11:00	3.2	289	17	4.8	0.00
10/05/2022 11:10	2.7	306	25	4.3	0.00
10/05/2022 11:20	3.1	293	16	4.4	0.00
10/05/2022 11:30	3.7	298	12	5.1	0.00
10/05/2022 11:40	3.9	295	13	5.1	0.00
10/05/2022 11:50	4.3	297	10	5.3	0.00
10/05/2022 12:00	4.6	296	12	5.8	0.00
10/05/2022 12:10	4.5	291	14	6.0	0.00
10/05/2022 12:20	4.4	294	15	5.5	0.00
10/05/2022 12:30	5.0	296	9	6.4	0.00
10/05/2022 12:40	5.2	298	10	6.4	0.00
10/05/2022 12:50	5.0	296	11	6.4	0.00
10/05/2022 13:00	5.3	298	11	7.0	0.00
10/05/2022 13:10	5.4	300	11	6.8	0.00
10/05/2022 13:20	5.1	298	12	6.9	0.00
10/05/2022 13:30	4.5	300	18	6.4	0.00
10/05/2022 13:40	4.7	298	14	6.2	0.00
10/05/2022 13:50	5.0	293	15	6.4	0.00
10/05/2022 14:00	4.9	303	12	6.5	0.00
10/05/2022 14:10	4.4	302	16	6.4	0.00
10/05/2022 14:20	4.5	297	21	6.0	0.00
10/05/2022 14:30	4.5	290	15	6.4	0.00
10/05/2022 14:40	4.2	305	17	6.1	0.00
10/05/2022 14:50	4.4	295	17	6.3	0.00
10/05/2022 15:00	4.5	290	17	6.8	0.00
10/05/2022 15:10	4.5	290	17	6.4	0.00
10/05/2022 15:20	5.4	281	11	7.3	0.00
10/05/2022 15:30	5.5	267	14	7.0	0.00
10/05/2022 15:40	5.8	266	12	7.5	0.00
10/05/2022 15:50	5.8	263	11	7.5	0.00
10/05/2022 16:00	5.2	264	14	7.0	0.00
10/05/2022 16:10	5.3	262	11	7.1	0.00
10/05/2022 16:20	5.1	262	15	6.8	0.00
10/05/2022 16:30	4.7	263	13	6.0	0.00
10/05/2022 16:40	4.7	263	13	7.2	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/05/2022 16:50	4.8	257	11	6.8	0.00
10/05/2022 17:00	4.9	260	14	6.7	0.00
10/05/2022 17:10	5.3	261	12	7.3	0.00
10/05/2022 17:20	5.0	261	13	6.6	0.00
10/05/2022 17:30	5.6	259	13	7.5	0.00
10/05/2022 17:40	5.2	255	12	6.9	0.00
10/05/2022 17:50	5.5	257	12	7.5	0.00
10/05/2022 18:00	5.7	262	11	7.1	0.00
10/05/2022 18:10	5.5	263	10	7.2	0.00
10/05/2022 18:20	4.4	271	13	6.0	0.00
10/05/2022 18:30	3.6	270	16	5.4	0.00
10/05/2022 18:40	3.6	276	18	5.2	0.00
10/05/2022 18:50	3.6	280	18	5.2	0.00
10/05/2022 19:00	3.4	286	17	4.8	0.00
10/05/2022 19:10	3.7	284	17	5.6	0.00
10/05/2022 19:20	3.8	275	15	5.3	0.00
10/05/2022 19:30	4.5	270	13	5.7	0.00
10/05/2022 19:40	3.8	275	15	5.0	0.00
10/05/2022 19:50	3.7	277	15	4.9	0.00
10/05/2022 20:00	3.8	270	14	5.2	0.00
10/05/2022 20:10	3.4	269	13	4.7	0.00
10/05/2022 20:20	5.2	263	11	6.8	0.00
10/05/2022 20:30	5.5	263	9	6.9	0.00
10/05/2022 20:40	5.7	263	10	7.2	0.00
10/05/2022 20:50	6.1	262	9	7.9	0.00
10/05/2022 21:00	6.2	263	9	8.1	0.00
10/05/2022 21:10	5.7	260	11	7.7	0.00
10/05/2022 21:20	6.2	263	10	7.9	0.00
10/05/2022 21:30	5.6	262	11	7.1	0.00
10/05/2022 21:40	6.0	264	11	7.7	0.00
10/05/2022 21:50	5.7	262	10	8.2	0.00
10/05/2022 22:00	5.6	263	9	8.4	0.00
10/05/2022 22:10	5.8	264	11	8.0	0.00
10/05/2022 22:20	5.7	260	10	8.1	0.00
10/05/2022 22:30	5.4	263	12	7.8	0.00
10/05/2022 22:40	6.0	262	10	7.8	0.00
10/05/2022 22:50	5.8	262	11	7.4	0.00
10/05/2022 23:00	5.6	261	11	7.5	0.00
10/05/2022 23:10	6.2	263	11	7.8	0.00
10/05/2022 23:20	6.1	257	12	8.0	0.00
10/05/2022 23:30	5.5	257	12	7.8	0.00
10/05/2022 23:40	5.5	254	12	8.1	0.00
10/05/2022 23:50	6.4	255	12	9.5	0.00
10/06/2022 00:00	6.4	255	11	9.1	0.00
10/06/2022 00:10	6.3	255	11	8.7	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/06/2022 00:20	6.0	254	10	8.5	0.00
10/06/2022 00:30	5.8	254	11	8.3	0.00
10/06/2022 00:40	6.0	256	12	7.6	0.00
10/06/2022 00:50	5.6	256	13	8.3	0.00
10/06/2022 01:00	5.7	256	11	7.5	0.00
10/06/2022 01:10	5.4	255	12	7.7	0.00
10/06/2022 01:20	5.5	255	11	7.0	0.00
10/06/2022 01:30	5.4	254	10	7.4	0.00
10/06/2022 01:40	5.7	256	10	7.7	0.00
10/06/2022 01:50	5.2	257	12	7.1	0.00
10/06/2022 02:00	5.3	256	11	7.0	0.00
10/06/2022 02:10	4.2	253	13	6.0	0.00
10/06/2022 02:20	4.4	253	13	6.8	0.00
10/06/2022 02:30	4.6	251	11	6.8	0.00
10/06/2022 02:40	4.8	249	10	6.9	0.00
10/06/2022 02:50	3.9	250	13	5.4	0.00
10/06/2022 03:00	3.7	250	14	5.5	0.00
10/06/2022 03:10	3.8	244	13	5.7	0.00
10/06/2022 03:20	3.7	251	13	5.5	0.00
10/06/2022 03:30	3.5	251	14	4.9	0.00
10/06/2022 03:40	3.5	253	13	4.7	0.00
10/06/2022 03:50	3.1	250	12	4.5	0.00
10/06/2022 04:00	3.1	251	11	4.4	0.00
10/06/2022 04:10	2.7	247	13	3.7	0.00
10/06/2022 04:20	2.6	248	11	4.0	0.00
10/06/2022 04:30	1.7	247	12	2.4	0.00
10/06/2022 04:40	1.2	241	19	1.9	0.00
10/06/2022 04:50	1.2	242	22	2.1	0.00
10/06/2022 05:00	1.4	244	14	1.9	0.00
10/06/2022 05:10	1.1	244	18	1.9	0.00
10/06/2022 05:20	2.0	231	23	3.2	0.00
10/06/2022 05:30	2.7	223	16	3.9	0.00
10/06/2022 05:40	2.5	221	19	3.3	0.00
10/06/2022 05:50	2.2	225	16	3.4	0.00
10/06/2022 06:00	2.3	235	17	3.2	0.00
10/06/2022 06:10	2.4	244	12	3.2	0.00
10/06/2022 06:20	2.4	249	11	3.5	0.00
10/06/2022 06:30	1.9	265	12	2.8	0.00
10/06/2022 06:40	1.7	254	13	2.3	0.00
10/06/2022 06:50	2.0	240	16	2.8	0.00
10/06/2022 07:00	2.4	236	15	3.3	0.00
10/06/2022 07:10	2.2	229	17	3.3	0.00
10/06/2022 07:20	2.2	218	22	3.6	0.00
10/06/2022 07:30	2.2	228	50	3.9	0.00
10/06/2022 07:40	2.2	226	61	3.6	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/06/2022 07:50	2.1	258	84	4.1	0.00
10/06/2022 08:00	1.9	300	92	3.5	0.00
10/06/2022 08:10	2.3	203	96	4.2	0.00
10/06/2022 08:20	2.0	183	98	3.8	0.00
10/06/2022 08:30	2.4	248	79	4.0	0.00
10/06/2022 08:40	2.9	141	44	4.8	0.00
10/06/2022 08:50	3.3	141	28	5.1	0.00
10/06/2022 09:00	3.4	132	39	5.1	0.00
10/06/2022 09:10	3.8	144	21	5.2	0.00
10/06/2022 09:20	3.6	134	17	5.0	0.00
10/06/2022 09:30	3.1	131	23	4.6	0.00
10/06/2022 09:40	3.7	127	20	5.3	0.00
10/06/2022 09:50	4.0	128	17	5.5	0.00
10/06/2022 10:00	3.8	106	19	5.7	0.00
10/06/2022 10:10	4.2	96	13	5.2	0.00
10/06/2022 10:20	4.0	106	13	6.0	0.00
10/06/2022 10:30	3.4	108	18	5.6	0.00
10/06/2022 10:40	4.0	107	18	6.4	0.00
10/06/2022 10:50	3.8	108	18	5.8	0.00
10/06/2022 11:00	3.7	102	16	5.2	0.00
10/06/2022 11:10	3.4	87	22	5.8	0.00
10/06/2022 11:20	3.9	84	18	5.5	0.00
10/06/2022 11:30	3.7	72	21	6.1	0.00
10/06/2022 11:40	4.0	69	17	6.0	0.00
10/06/2022 11:50	4.2	60	15	5.8	0.00
10/06/2022 12:00	4.6	68	18	6.0	0.00
10/06/2022 12:10	4.4	68	19	6.1	0.00
10/06/2022 12:20	4.4	64	15	5.6	0.00
10/06/2022 12:30	4.3	58	13	6.1	0.00
10/06/2022 12:40	4.0	66	14	5.8	0.00
10/06/2022 12:50	4.3	77	14	6.1	0.00
10/06/2022 13:00	4.2	15	31	6.6	0.00
10/06/2022 13:10	4.3	353	21	6.2	0.00
10/06/2022 13:20	3.6	341	29	6.2	0.00
10/06/2022 13:30	3.9	321	24	6.5	0.00
10/06/2022 13:40	4.5	312	24	8.1	0.00
10/06/2022 13:50	4.8	308	15	7.0	0.00
10/06/2022 14:00	5.0	305	15	6.7	0.00
10/06/2022 14:10	5.5	302	10	7.5	0.00
10/06/2022 14:20	5.2	303	13	6.9	0.00
10/06/2022 14:30	5.5	303	11	7.1	0.00
10/06/2022 14:40	5.2	295	13	6.8	0.00
10/06/2022 14:50	5.4	289	14	7.0	0.00
10/06/2022 15:00	5.2	291	15	7.1	0.00
10/06/2022 15:10	5.4	288	14	7.5	0.00





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/06/2022 15:20	5.4	291	15	7.1	0.00
10/06/2022 15:30	5.5	296	15	7.1	0.00
10/06/2022 15:40	4.9	297	12	6.8	0.00
10/06/2022 15:50	5.1	293	13	7.2	0.00
10/06/2022 16:00	5.1	289	15	6.7	0.00
10/06/2022 16:10	5.2	265	13	7.1	0.00
10/06/2022 16:20	5.3	259	10	6.8	0.00
10/06/2022 16:30	5.5	262	8	7.2	0.00
10/06/2022 16:40	5.7	265	11	8.2	0.00
10/06/2022 16:50	5.6	261	11	7.8	0.00
10/06/2022 17:00	5.2	257	12	6.7	0.00
10/06/2022 17:10	5.3	261	13	6.4	0.00
10/06/2022 17:20	5.7	264	11	7.6	0.00
10/06/2022 17:30	5.9	261	9	7.6	0.00
10/06/2022 17:40	5.7	262	9	7.5	0.00
10/06/2022 17:50	5.6	262	10	6.9	0.00
10/06/2022 18:00	4.9	262	10	6.1	0.00
10/06/2022 18:10	5.0	265	12	6.8	0.00
10/06/2022 18:20	4.9	263	10	6.3	0.00
10/06/2022 18:30	4.5	263	11	5.7	0.00
10/06/2022 18:40	4.9	263	10	6.3	0.00
10/06/2022 18:50	4.8	263	10	6.2	0.00
10/06/2022 19:00	4.0	263	11	5.5	0.00
10/06/2022 19:10	5.2	262	11	7.0	0.00
10/06/2022 19:20	5.4	259	10	7.0	0.00
10/06/2022 19:30	4.7	262	9	5.8	0.00
10/06/2022 19:40	4.4	260	11	6.0	0.00
10/06/2022 19:50	4.2	261	10	5.7	0.00
10/06/2022 20:00	4.3	262	10	5.2	0.00
10/06/2022 20:10	4.6	264	10	5.8	0.00
10/06/2022 20:20	4.0	259	10	5.5	0.00
10/06/2022 20:30	4.4	263	11	5.7	0.00
10/06/2022 20:40	4.4	259	10	5.9	0.00
10/06/2022 20:50	4.6	263	10	5.8	0.00
10/06/2022 21:00	5.1	262	9	6.4	0.00
10/06/2022 21:10	4.8	262	9	6.4	0.00
10/06/2022 21:20	4.7	262	12	6.1	0.00
10/06/2022 21:30	4.7	263	10	6.3	0.00
10/06/2022 21:40	5.0	259	11	7.1	0.00
10/06/2022 21:50	5.2	258	10	7.2	0.00
10/06/2022 22:00	5.0	256	11	7.2	0.00
10/06/2022 22:10	5.0	257	11	7.2	0.00
10/06/2022 22:20	5.0	258	11	7.5	0.00
10/06/2022 22:30	4.7	256	10	6.5	0.00
10/06/2022 22:40	4.8	256	11	6.8	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/06/2022 22:50	4.7	256	12	6.6	0.00
10/06/2022 23:00	4.8	257	11	6.4	0.00
10/06/2022 23:10	5.0	260	11	6.4	0.00
10/06/2022 23:20	4.7	258	13	6.8	0.00
10/06/2022 23:30	4.4	255	13	6.9	0.00
10/06/2022 23:40	5.1	257	11	6.8	0.00
10/06/2022 23:50	4.9	257	11	6.4	0.00
10/07/2022 00:00	5.0	253	9	6.5	0.00
10/07/2022 00:10	4.7	257	11	6.4	0.00
10/07/2022 00:20	4.6	255	11	6.3	0.00
10/07/2022 00:30	4.7	257	12	6.4	0.00
10/07/2022 00:40	3.7	253	12	5.0	0.00
10/07/2022 00:50	2.8	250	13	3.9	0.00
10/07/2022 01:00	3.5	252	12	4.7	0.00
10/07/2022 01:10	3.8	254	12	5.5	0.00
10/07/2022 01:20	3.4	258	11	5.0	0.00
10/07/2022 01:30	3.2	257	9	4.3	0.00
10/07/2022 01:40	3.0	260	10	4.1	0.00
10/07/2022 01:50	2.4	267	12	3.3	0.00
10/07/2022 02:00	2.7	266	10	3.6	0.00
10/07/2022 02:10	3.0	265	9	4.2	0.00
10/07/2022 02:20	3.3	262	8	4.3	0.00
10/07/2022 02:30	2.9	253	10	4.8	0.00
10/07/2022 02:40	2.6	251	13	3.8	0.00
10/07/2022 02:50	3.1	255	11	4.2	0.00
10/07/2022 03:00	2.4	255	11	3.2	0.00
10/07/2022 03:10	2.3	253	9	3.2	0.00
10/07/2022 03:20	3.2	246	9	4.0	0.00
10/07/2022 03:30	3.2	243	11	4.2	0.00
10/07/2022 03:40	2.8	247	12	4.1	0.00
10/07/2022 03:50	2.9	250	13	4.2	0.00
10/07/2022 04:00	3.1	252	11	3.8	0.00
10/07/2022 04:10	3.2	245	11	4.3	0.00
10/07/2022 04:20	3.3	242	14	5.2	0.00
10/07/2022 04:30	3.5	236	13	5.0	0.00
10/07/2022 04:40	3.3	239	15	4.5	0.00
10/07/2022 04:50	2.8	247	15	5.4	0.00
10/07/2022 05:00	2.4	239	15	3.6	0.00
10/07/2022 05:10	2.3	234	13	3.6	0.00
10/07/2022 05:20	1.6	219	36	2.5	0.00
10/07/2022 05:30	1.2	238	80	2.8	0.00
10/07/2022 05:40	1.2	157	69	2.7	0.00
10/07/2022 05:50	1.6	178	52	3.1	0.00
10/07/2022 06:00	1.1	114	79	2.2	0.00
10/07/2022 06:10	0.9	41	57	1.6	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/07/2022 06:20	1.3	50	28	1.9	0.00
10/07/2022 06:30	1.8	84	19	2.9	0.00
10/07/2022 06:40	1.8	132	20	3.0	0.00
10/07/2022 06:50	2.1	141	16	3.2	0.00
10/07/2022 07:00	2.2	131	14	3.8	0.00
10/07/2022 07:10	3.2	128	14	4.5	0.00
10/07/2022 07:20	3.1	133	16	4.6	0.00
10/07/2022 07:30	3.1	123	13	4.4	0.00
10/07/2022 07:40	3.2	127	16	4.6	0.00
10/07/2022 07:50	3.4	113	16	4.8	0.00
10/07/2022 08:00	3.2	122	16	4.1	0.00
10/07/2022 08:10	3.2	129	15	4.2	0.00
10/07/2022 08:20	3.2	135	17	4.9	0.00
10/07/2022 08:30	3.7	129	18	4.8	0.00
10/07/2022 08:40	3.7	124	18	5.2	0.00
10/07/2022 08:50	3.8	105	19	5.7	0.00
10/07/2022 09:00	4.3	97	12	6.0	0.00
10/07/2022 09:10	4.2	106	15	6.2	0.00
10/07/2022 09:20	4.5	102	12	6.3	0.00
10/07/2022 09:30	4.1	90	15	5.8	0.00
10/07/2022 09:40	4.5	88	12	6.1	0.00
10/07/2022 09:50	4.9	92	14	6.4	0.00
10/07/2022 10:00	5.3	84	12	7.3	0.00
10/07/2022 10:10	5.0	87	14	6.9	0.00
10/07/2022 10:20	4.8	80	13	6.8	0.00
10/07/2022 10:30	5.7	79	11	7.3	0.00
10/07/2022 10:40	5.8	77	14	7.7	0.00
10/07/2022 10:50	5.8	78	11	8.3	0.00
10/07/2022 11:00	6.2	78	11	8.4	0.00
10/07/2022 11:10	6.1	82	14	8.4	0.00
10/07/2022 11:20	5.9	78	12	7.9	0.00
10/07/2022 11:30	6.0	75	13	8.3	0.00
10/07/2022 11:40	5.7	73	12	8.2	0.00
10/07/2022 11:50	5.6	77	12	7.8	0.00
10/07/2022 12:00	6.4	73	12	8.7	0.00
10/07/2022 12:10	6.9	73	13	9.4	0.00
10/07/2022 12:20	6.6	71	12	8.8	0.00
10/07/2022 12:30	6.8	76	13	9.1	0.00
10/07/2022 12:40	6.8	69	11	9.1	0.00
10/07/2022 12:50	6.9	74	10	9.4	0.00
10/07/2022 13:00	7.0	78	9	9.1	0.00
10/07/2022 13:10	6.2	82	13	8.3	0.00
10/07/2022 13:20	5.6	75	15	7.9	0.00
10/07/2022 13:30	6.2	74	14	8.3	0.00
10/07/2022 13:40	5.5	64	13	7.5	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/07/2022 13:50	5.3	59	11	7.0	0.00
10/07/2022 14:00	5.9	71	12	7.8	0.00
10/07/2022 14:10	6.0	66	13	7.7	0.00
10/07/2022 14:20	5.5	68	12	7.6	0.00
10/07/2022 14:30	5.3	63	10	6.8	0.00
10/07/2022 14:40	5.7	73	12	7.4	0.00
10/07/2022 14:50	5.4	74	11	7.2	0.00
10/07/2022 15:00	5.0	68	15	7.2	0.00
10/07/2022 15:10	4.3	72	11	6.0	0.00
10/07/2022 15:20	3.5	39	27	5.6	0.00
10/07/2022 15:30	5.3	309	17	8.3	0.00
10/07/2022 15:40	5.6	300	19	7.6	0.00
10/07/2022 15:50	6.0	288	12	7.8	0.00
10/07/2022 16:00	5.3	292	14	7.5	0.00
10/07/2022 16:10	5.5	299	13	7.2	0.00
10/07/2022 16:20	5.7	298	10	7.5	0.00
10/07/2022 16:30	5.1	297	14	6.5	0.00
10/07/2022 16:40	5.1	294	12	7.4	0.00
10/07/2022 16:50	4.7	289	14	6.4	0.00
10/07/2022 17:00	5.2	289	13	6.8	0.00
10/07/2022 17:10	5.2	278	14	7.1	0.00
10/07/2022 17:20	4.6	279	14	6.0	0.00
10/07/2022 17:30	4.7	275	13	6.2	0.00
10/07/2022 17:40	4.5	275	14	6.0	0.00
10/07/2022 17:50	4.5	276	14	6.0	0.00
10/07/2022 18:00	4.1	284	15	5.6	0.00
10/07/2022 18:10	4.0	271	14	5.4	0.00
10/07/2022 18:20	3.9	266	11	5.2	0.00
10/07/2022 18:30	4.2	266	11	5.8	0.00
10/07/2022 18:40	3.2	269	14	4.6	0.00
10/07/2022 18:50	3.9	264	11	5.0	0.00
10/07/2022 19:00	3.9	268	11	5.0	0.00
10/07/2022 19:10	3.6	267	13	5.1	0.00
10/07/2022 19:20	3.2	267	12	4.3	0.00
10/07/2022 19:30	3.0	267	12	4.1	0.00
10/07/2022 19:40	3.0	272	13	4.5	0.00
10/07/2022 19:50	2.8	267	13	3.9	0.00
10/07/2022 20:00	3.0	264	11	3.8	0.00
10/07/2022 20:10	2.9	269	13	3.8	0.00
10/07/2022 20:20	2.8	267	11	3.6	0.00
10/07/2022 20:30	2.8	265	12	3.8	0.00
10/07/2022 20:40	3.0	268	14	3.9	0.00
10/07/2022 20:50	2.6	268	13	3.5	0.00
10/07/2022 21:00	2.5	265	11	3.2	0.00
10/07/2022 21:10	2.8	262	11	4.0	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/07/2022 21:20	2.8	258	9	3.6	0.00
10/07/2022 21:30	2.8	259	9	3.7	0.00
10/07/2022 21:40	2.5	264	9	3.2	0.00
10/07/2022 21:50	2.3	267	13	3.1	0.00
10/07/2022 22:00	2.4	262	9	3.0	0.00
10/07/2022 22:10	2.4	260	8	3.1	0.00
10/07/2022 22:20	2.6	260	8	3.4	0.00
10/07/2022 22:30	2.7	260	8	3.3	0.00
10/07/2022 22:40	2.1	268	13	2.8	0.00
10/07/2022 22:50	2.2	277	15	3.2	0.00
10/07/2022 23:00	2.3	282	14	3.2	0.00
10/07/2022 23:10	2.7	282	15	3.9	0.00
10/07/2022 23:20	2.7	290	16	3.7	0.00
10/07/2022 23:30	2.6	271	16	3.9	0.00
10/07/2022 23:40	2.9	277	13	4.0	0.00
10/07/2022 23:50	3.2	268	12	4.2	0.00
10/08/2022 00:00	2.9	267	11	3.6	0.00
10/08/2022 00:10	3.3	270	11	4.6	0.00
10/08/2022 00:20	3.3	268	11	4.4	0.00
10/08/2022 00:30	3.4	263	9	4.4	0.00
10/08/2022 00:40	2.7	268	10	3.4	0.00
10/08/2022 00:50	2.2	268	12	3.0	0.00
10/08/2022 01:00	1.9	278	16	2.7	0.00
10/08/2022 01:10	2.2	280	14	3.2	0.00
10/08/2022 01:20	2.0	271	13	2.8	0.00
10/08/2022 01:30	2.2	267	9	2.7	0.00
10/08/2022 01:40	1.7	255	10	2.1	0.00
10/08/2022 01:50	0.6	273	5	1.3	0.00
10/08/2022 02:00	1.6	267	8	2.0	0.00
10/08/2022 02:10	1.3	243	14	1.6	0.00
10/08/2022 02:20	1.7	274	7	2.3	0.00
10/08/2022 02:30	1.6	211	38	2.1	0.00
10/08/2022 02:40	0.6	203	11	1.6	0.00
10/08/2022 02:50	0.5	317	14	1.0	0.00
10/08/2022 03:00	0.5	293	3	1.0	0.00
10/08/2022 03:10	1.6	270	9	2.3	0.00
10/08/2022 03:20	0.5	205	3	1.1	0.00
10/08/2022 03:30	1.1	66	42	1.8	0.00
10/08/2022 03:40	0.7	199	17	1.4	0.00
10/08/2022 03:50	1.5	89	17	2.0	0.00
10/08/2022 04:00	1.7	93	11	2.3	0.00
10/08/2022 04:10	1.8	87	11	2.5	0.00
10/08/2022 04:20	1.2	111	20	1.7	0.00
10/08/2022 04:30	0.9	92	15	1.8	0.00
10/08/2022 04:40	1.6	106	10	2.1	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/08/2022 04:50	2.1	104	12	2.8	0.00
10/08/2022 05:00	1.9	110	10	2.6	0.00
10/08/2022 05:10	2.0	112	12	2.6	0.00
10/08/2022 05:20	2.7	94	10	3.6	0.00
10/08/2022 05:30	2.8	95	9	3.4	0.00
10/08/2022 05:40	2.3	85	11	3.0	0.00
10/08/2022 05:50	2.1	77	9	2.8	0.00
10/08/2022 06:00	2.3	69	9	2.8	0.00
10/08/2022 06:10	2.4	84	9	3.2	0.00
10/08/2022 06:20	2.1	86	12	3.2	0.00
10/08/2022 06:30	1.9	101	11	2.6	0.00
10/08/2022 06:40	2.1	95	11	2.9	0.00
10/08/2022 06:50	2.5	95	11	3.6	0.00
10/08/2022 07:00	2.8	97	12	3.8	0.00
10/08/2022 07:10	3.0	98	12	4.8	0.00
10/08/2022 07:20	3.3	90	15	4.4	0.00
10/08/2022 07:30	4.3	99	14	6.4	0.00
10/08/2022 07:40	5.2	92	13	7.8	0.00
10/08/2022 07:50	5.9	88	11	8.6	0.00
10/08/2022 08:00	5.4	93	14	7.5	0.00
10/08/2022 08:10	6.9	87	11	9.8	0.00
10/08/2022 08:20	7.2	88	13	9.9	0.00
10/08/2022 08:30	7.3	91	12	10.3	0.00
10/08/2022 08:40	7.1	92	12	10.3	0.00
10/08/2022 08:50	7.8	94	12	10.8	0.00
10/08/2022 09:00	7.8	97	11	11.1	0.00
10/08/2022 09:10	7.5	88	12	10.6	0.00
10/08/2022 09:20	7.4	92	12	11.5	0.00
10/08/2022 09:30	7.0	87	11	9.1	0.00
10/08/2022 09:40	8.1	84	11	11.1	0.00
10/08/2022 09:50	8.1	84	11	11.2	0.00
10/08/2022 10:00	8.5	87	12	12.1	0.00
10/08/2022 10:10	8.0	84	13	11.1	0.00
10/08/2022 10:20	7.9	88	13	11.1	0.00
10/08/2022 10:30	8.3	89	10	11.5	0.00
10/08/2022 10:40	8.3	91	12	10.7	0.00
10/08/2022 10:50	8.3	91	12	11.3	0.00
10/08/2022 11:00	8.2	92	12	11.0	0.00
10/08/2022 11:10	8.3	82	11	10.7	0.00
10/08/2022 11:20	9.1	82	10	13.0	0.00
10/08/2022 11:30	9.0	84	11	12.3	0.00
10/08/2022 11:40	8.8	78	12	12.4	0.00
10/08/2022 11:50	9.7	75	12	13.4	0.00
10/08/2022 12:00	9.0	71	12	11.9	0.00
10/08/2022 12:10	8.6	70	12	11.3	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/08/2022 12:20	7.8	69	11	10.4	0.00
10/08/2022 12:30	7.6	77	10	11.2	0.00
10/08/2022 12:40	6.6	73	12	9.1	0.00
10/08/2022 12:50	6.9	64	12	9.5	0.00
10/08/2022 13:00	6.9	63	13	9.7	0.00
10/08/2022 13:10	7.4	65	9	10.0	0.00
10/08/2022 13:20	7.1	68	14	9.5	0.00
10/08/2022 13:30	6.1	65	13	8.6	0.00
10/08/2022 13:40	6.6	60	12	9.0	0.00
10/08/2022 13:50	6.3	63	13	8.9	0.00
10/08/2022 14:00	6.3	63	12	9.0	0.00
10/08/2022 14:10	6.3	67	14	8.8	0.00
10/08/2022 14:20	5.6	67	12	7.3	0.00
10/08/2022 14:30	5.7	61	10	7.2	0.00
10/08/2022 14:40	5.4	65	12	7.3	0.00
10/08/2022 14:50	6.1	69	12	7.9	0.00
10/08/2022 15:00	6.2	66	10	8.2	0.00
10/08/2022 15:10	6.2	64	12	9.1	0.00
10/08/2022 15:20	5.9	59	12	9.2	0.00
10/08/2022 15:30	6.6	53	14	8.7	0.00
10/08/2022 15:40	7.0	56	12	9.3	0.00
10/08/2022 15:50	5.9	62	12	7.9	0.00
10/08/2022 16:00	6.7	58	13	8.7	0.00
10/08/2022 16:10	6.2	63	12	8.2	0.00
10/08/2022 16:20	6.7	47	12	8.4	0.00
10/08/2022 16:30	6.7	50	15	9.3	0.00
10/08/2022 16:40	5.9	51	14	8.0	0.00
10/08/2022 16:50	6.1	45	13	8.3	0.00
10/08/2022 17:00	5.4	42	13	7.4	0.00
10/08/2022 17:10	5.3	38	13	7.6	0.00
10/08/2022 17:20	4.4	34	15	7.2	0.00
10/08/2022 17:30	3.3	10	21	4.8	0.00
10/08/2022 17:40	3.3	5	20	5.6	0.00
10/08/2022 17:50	3.5	184	20	5.6	0.00
10/08/2022 18:00	3.2	178	17	4.8	0.00
10/08/2022 18:10	3.2	351	17	4.7	0.00
10/08/2022 18:20	3.1	355	20	4.7	0.00
10/08/2022 18:30	3.1	6	18	4.9	0.00
10/08/2022 18:40	3.0	18	15	4.1	0.00
10/08/2022 18:50	2.7	24	18	4.1	0.00
10/08/2022 19:00	3.2	16	17	4.3	0.00
10/08/2022 19:10	3.1	24	16	4.3	0.00
10/08/2022 19:20	3.0	21	17	4.8	0.00
10/08/2022 19:30	2.7	23	19	4.4	0.00
10/08/2022 19:40	2.7	20	19	4.1	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/08/2022 19:50	3.3	3	19	5.0	0.00
10/08/2022 20:00	3.3	341	20	5.0	0.00
10/08/2022 20:10	3.9	328	18	5.8	0.00
10/08/2022 20:20	2.6	339	19	4.3	0.00
10/08/2022 20:30	2.3	355	23	3.7	0.00
10/08/2022 20:40	1.8	22	37	3.2	0.00
10/08/2022 20:50	1.0	70	68	1.9	0.00
10/08/2022 21:00	1.1	84	50	1.8	0.00
10/08/2022 21:10	1.0	314	45	2.1	0.00
10/08/2022 21:20	1.5	293	62	2.5	0.00
10/08/2022 21:30	1.4	281	59	3.4	0.00
10/08/2022 21:40	1.0	248	40	1.9	0.00
10/08/2022 21:50	0.8	196	43	1.2	0.00
10/08/2022 22:00	0.3	210	33	0.8	0.00
10/08/2022 22:10	0.4	168	20	0.9	0.00
10/08/2022 22:20	0.1	291	1	0.8	0.00
10/08/2022 22:30	0.4	308	3	0.8	0.00
10/08/2022 22:40	0.1	169	1	0.8	0.00
10/08/2022 22:50	0.1	298	0	0.8	0.00
10/08/2022 23:00	0.6	292	5	1.2	0.00
10/08/2022 23:10					0.00
10/08/2022 23:20					0.00
10/08/2022 23:30	0.3	98	9	0.9	0.00
10/08/2022 23:40	0.2	266	6	0.8	0.00
10/08/2022 23:50	0.7	299	7	1.2	0.00
10/09/2022 00:00	0.4	303	8	0.9	0.00
10/09/2022 00:10	0.0	164	11	0.4	0.00
10/09/2022 00:20					0.00
10/09/2022 00:30	0.1	220	6	0.7	0.00
10/09/2022 00:40	0.5	248	5	1.0	0.00
10/09/2022 00:50	0.3	253	5	0.9	0.00
10/09/2022 01:00					0.00
10/09/2022 01:10	0.6	60	19	1.2	0.00
10/09/2022 01:20	0.6	20	9	1.0	0.00
10/09/2022 01:30	0.9	284	7	1.5	0.00
10/09/2022 01:40	1.7	257	6	2.0	0.00
10/09/2022 01:50	1.2	250	13	1.7	0.00
10/09/2022 02:00	0.0	171	8	0.4	0.00
10/09/2022 02:10	1.0	227	11	1.4	0.00
10/09/2022 02:20	1.3	254	9	1.6	0.00
10/09/2022 02:30	1.1	281	9	1.5	0.00
10/09/2022 02:40	1.4	253	12	1.7	0.00
10/09/2022 02:50	1.4	246	5	1.9	0.00
10/09/2022 03:00	1.7	245	9	2.3	0.00
10/09/2022 03:10	1.8	259	9	2.3	0.00





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/09/2022 03:20	1.4	257	9	1.9	0.00
10/09/2022 03:30	1.1	258	11	1.5	0.00
10/09/2022 03:40	1.1	250	11	1.6	0.00
10/09/2022 03:50	1.1	254	13	1.6	0.00
10/09/2022 04:00	1.0	256	12	1.3	0.00
10/09/2022 04:10	0.6	278	12	0.8	0.00
10/09/2022 04:20	0.9	290	6	1.1	0.00
10/09/2022 04:30	0.5	321	8	1.0	0.00
10/09/2022 04:40	0.4	305	3	0.9	0.00
10/09/2022 04:50	0.9	275	10	1.2	0.00
10/09/2022 05:00	1.0	264	12	1.4	0.00
10/09/2022 05:10	0.7	262	9	1.3	0.00
10/09/2022 05:20	0.4	273	5	0.8	0.00
10/09/2022 05:30	0.5	301	3	0.9	0.00
10/09/2022 05:40	0.7	157	18	1.0	0.00
10/09/2022 05:50	0.8	18	12	0.9	0.00
10/09/2022 06:00	1.0	182	13	1.2	0.00
10/09/2022 06:10	0.6	348	15	0.8	0.00
10/09/2022 06:20	0.8	49	21	1.3	0.00
10/09/2022 06:30	0.8	167	12	1.1	0.00
10/09/2022 06:40	0.5	205	4	1.1	0.00
10/09/2022 06:50	0.7	138	18	1.2	0.00
10/09/2022 07:00	0.9	224	15	1.3	0.00
10/09/2022 07:10	1.0	220	23	1.5	0.00
10/09/2022 07:20	1.3	252	17	1.8	0.00
10/09/2022 07:30	1.7	262	23	2.4	0.00
10/09/2022 07:40	1.8	237	18	2.7	0.00
10/09/2022 07:50	1.3	253	36	1.9	0.00
10/09/2022 08:00	0.9	255	50	1.4	0.00
10/09/2022 08:10	0.8	199	68	1.8	0.00
10/09/2022 08:20	1.0	222	50	1.8	0.00
10/09/2022 08:30	1.6	95	25	2.4	0.00
10/09/2022 08:40	1.3	130	55	2.0	0.00
10/09/2022 08:50	1.8	271	33	3.8	0.00
10/09/2022 09:00	2.0	147	39	3.7	0.00
10/09/2022 09:10	1.6	166	55	3.7	0.00
10/09/2022 09:20	1.7	75	30	2.8	0.00
10/09/2022 09:30	2.3	53	20	3.6	0.00
10/09/2022 09:40	2.5	65	21	4.0	0.00
10/09/2022 09:50	2.7	60	16	4.1	0.00
10/09/2022 10:00	2.3	63	25	4.2	0.00
10/09/2022 10:10	2.4	283	40	4.1	0.00
10/09/2022 10:20	2.5	195	71	5.6	0.00
10/09/2022 10:30	2.5	44	50	4.1	0.00
10/09/2022 10:40	2.6	70	22	3.9	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/09/2022 10:50	2.3	70	33	3.6	0.00
10/09/2022 11:00	2.4	85	21	3.7	0.00
10/09/2022 11:10	2.3	91	31	4.0	0.00
10/09/2022 11:20	2.8	61	22	4.0	0.00
10/09/2022 11:30	2.7	73	22	4.1	0.00
10/09/2022 11:40	2.9	61	18	4.1	0.00
10/09/2022 11:50	3.0	74	23	4.8	0.00
10/09/2022 12:00	3.0	79	24	5.1	0.00
10/09/2022 12:10	2.9	69	23	4.8	0.00
10/09/2022 12:20	2.8	66	31	4.4	0.00
10/09/2022 12:30	2.5	74	28	4.2	0.00
10/09/2022 12:40	2.1	80	31	4.0	0.00
10/09/2022 12:50	2.8	293	33	4.8	0.00
10/09/2022 13:00	2.9	304	21	4.0	0.00
10/09/2022 13:10	2.8	308	20	4.2	0.00
10/09/2022 13:20	3.4	299	19	4.8	0.00
10/09/2022 13:30	3.6	303	13	5.1	0.00
10/09/2022 13:40	4.0	292	13	5.2	0.00
10/09/2022 13:50	3.7	287	20	5.2	0.00
10/09/2022 14:00	2.5	177	34	4.0	0.00
10/09/2022 14:10	3.0	3	19	4.4	0.00
10/09/2022 14:20	3.2	354	21	4.3	0.00
10/09/2022 14:30	3.2	349	18	4.4	0.00
10/09/2022 14:40	3.3	175	18	4.6	0.00
10/09/2022 14:50	2.9	178	18	4.6	0.00
10/09/2022 15:00	2.5	2	25	3.9	0.00
10/09/2022 15:10	2.4	177	27	3.4	0.00
10/09/2022 15:20	2.3	343	32	3.3	0.00
10/09/2022 15:30	2.7	181	23	4.0	0.00
10/09/2022 15:40	2.7	179	24	4.1	0.00
10/09/2022 15:50	3.0	181	23	4.3	0.10
10/09/2022 16:00	2.7	9	26	3.9	0.00
10/09/2022 16:10	3.3	349	24	4.9	0.00
10/09/2022 16:20	3.3	10	22	4.8	0.00
10/09/2022 16:30	3.4	3	21	5.3	0.00
10/09/2022 16:40	4.0	358	18	5.8	0.00
10/09/2022 16:50	4.1	356	17	5.8	0.00
10/09/2022 17:00	4.1	181	17	5.6	0.00
10/09/2022 17:10	3.9	358	18	5.4	0.00
10/09/2022 17:20	4.1	348	18	6.1	0.00
10/09/2022 17:30	4.2	343	19	5.9	0.00
10/09/2022 17:40	3.9	352	18	5.6	0.00
10/09/2022 17:50	3.7	346	16	5.3	0.00
10/09/2022 18:00	3.7	331	14	5.2	0.00
10/09/2022 18:10	3.8	331	17	5.5	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/09/2022 18:20	2.8	324	20	4.0	0.00
10/09/2022 18:30	2.5	320	18	4.0	0.00
10/09/2022 18:40	3.0	310	16	4.7	0.00
10/09/2022 18:50	3.1	306	16	4.5	0.00
10/09/2022 19:00	3.1	286	17	4.8	0.00
10/09/2022 19:10	3.4	293	15	4.7	0.00
10/09/2022 19:20	3.2	283	17	4.8	0.00
10/09/2022 19:30	3.4	282	16	4.6	0.00
10/09/2022 19:40	4.1	276	15	5.8	0.00
10/09/2022 19:50	3.9	273	13	4.9	0.00
10/09/2022 20:00	3.5	268	12	4.8	0.00
10/09/2022 20:10	3.3	266	11	4.3	0.00
10/09/2022 20:20	3.3	268	14	4.3	0.00
10/09/2022 20:30	3.1	272	16	4.1	0.00
10/09/2022 20:40	3.1	266	10	4.0	0.00
10/09/2022 20:50	3.1	266	11	4.4	0.00
10/09/2022 21:00	3.2	263	9	4.1	0.00
10/09/2022 21:10	2.8	267	11	3.9	0.00
10/09/2022 21:20	2.4	270	11	3.1	0.00
10/09/2022 21:30	2.5	266	10	3.3	0.00
10/09/2022 21:40	2.9	263	9	3.7	0.00
10/09/2022 21:50	2.9	264	8	3.6	0.00
10/09/2022 22:00	3.0	264	10	3.9	0.00
10/09/2022 22:10	3.1	263	9	4.0	0.00
10/09/2022 22:20	3.3	262	10	4.5	0.00
10/09/2022 22:30	4.1	261	8	5.2	0.00
10/09/2022 22:40	3.6	263	11	4.8	0.00
10/09/2022 22:50	3.8	261	10	5.0	0.00
10/09/2022 23:00	3.8	261	10	5.2	0.00
10/09/2022 23:10	4.0	261	10	5.0	0.00
10/09/2022 23:20	3.6	263	10	4.7	0.00
10/09/2022 23:30	4.0	264	10	5.3	0.00
10/09/2022 23:40	3.8	266	11	5.1	0.00
10/09/2022 23:50	3.2	265	11	4.5	0.00
10/10/2022 00:00	3.4	262	11	4.8	0.00
10/10/2022 00:10	3.2	264	10	4.8	0.00
10/10/2022 00:20	4.2	262	10	5.8	0.00
10/10/2022 00:30	4.9	262	10	6.5	0.00
10/10/2022 00:40	4.8	258	10	6.8	0.00
10/10/2022 00:50	5.2	257	11	7.2	0.00
10/10/2022 01:00	5.0	258	11	6.8	0.00
10/10/2022 01:10	4.6	259	12	6.6	0.00
10/10/2022 01:20	4.5	250	10	6.4	0.00
10/10/2022 01:30	3.7	235	12	5.7	0.00
10/10/2022 01:40	3.7	241	12	5.1	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/10/2022 01:50	4.2	243	14	5.7	0.00
10/10/2022 02:00	4.1	244	10	6.2	0.00
10/10/2022 02:10	4.3	246	11	6.1	0.00
10/10/2022 02:20	4.7	242	13	6.4	0.00
10/10/2022 02:30	4.1	247	12	6.0	0.00
10/10/2022 02:40	3.5	250	13	4.8	0.00
10/10/2022 02:50	4.2	254	13	5.6	0.00
10/10/2022 03:00	4.2	254	12	5.8	0.00
10/10/2022 03:10	4.1	254	11	5.7	0.00
10/10/2022 03:20	3.8	256	11	5.1	0.00
10/10/2022 03:30	3.2	257	10	4.4	0.00
10/10/2022 03:40	3.4	261	9	4.6	0.00
10/10/2022 03:50	4.3	260	10	6.0	0.00
10/10/2022 04:00	4.0	260	9	5.3	0.00
10/10/2022 04:10	3.8	256	10	5.6	0.00
10/10/2022 04:20	4.6	256	10	5.9	0.00
10/10/2022 04:30	4.3	257	12	5.6	0.00
10/10/2022 04:40	3.1	247	11	4.8	0.00
10/10/2022 04:50	2.5	247	13	3.6	0.00
10/10/2022 05:00	2.2	246	11	3.2	0.00
10/10/2022 05:10	1.7	250	14	2.4	0.00
10/10/2022 05:20	1.4	235	14	1.9	0.00
10/10/2022 05:30	1.2	239	13	1.7	0.00
10/10/2022 05:40	1.9	240	12	2.6	0.00
10/10/2022 05:50	2.3	246	10	3.4	0.00
10/10/2022 06:00	3.2	248	11	4.4	0.00
10/10/2022 06:10	3.2	247	13	4.4	0.00
10/10/2022 06:20	4.2	247	12	6.0	0.00
10/10/2022 06:30	3.4	246	12	4.8	0.00
10/10/2022 06:40	4.5	255	11	6.0	0.00
10/10/2022 06:50	5.1	256	10	6.6	0.00
10/10/2022 07:00	5.3	249	13	7.2	0.00
10/10/2022 07:10	4.6	251	13	6.3	0.00
10/10/2022 07:20	4.3	248	13	5.7	0.00
10/10/2022 07:30	3.7	252	14	5.0	0.00
10/10/2022 07:40	3.2	247	15	4.7	0.00
10/10/2022 07:50	3.2	262	12	4.3	0.00
10/10/2022 08:00	3.1	260	13	4.1	0.00
10/10/2022 08:10	2.8	251	15	3.8	0.00
10/10/2022 08:20	3.0	248	15	4.2	0.00
10/10/2022 08:30	3.9	257	14	5.0	0.00
10/10/2022 08:40	2.8	257	16	4.0	0.00
10/10/2022 08:50	2.3	248	22	3.2	0.00
10/10/2022 09:00	2.3	266	21	3.4	0.00
10/10/2022 09:10	2.7	253	17	4.1	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/10/2022 09:20	3.2	247	18	4.7	0.00
10/10/2022 09:30	2.9	250	13	4.3	0.00
10/10/2022 09:40	3.0	250	21	4.8	0.00
10/10/2022 09:50	3.3	258	18	4.6	0.00
10/10/2022 10:00	3.4	289	17	5.1	0.00
10/10/2022 10:10	3.5	295	15	4.7	0.00
10/10/2022 10:20	3.2	288	16	4.5	0.00
10/10/2022 10:30	3.7	297	14	5.0	0.00
10/10/2022 10:40	3.8	308	14	5.4	0.00
10/10/2022 10:50	3.5	300	17	4.6	0.00
10/10/2022 11:00	4.1	313	13	5.5	0.00
10/10/2022 11:10	4.1	309	12	5.3	0.00
10/10/2022 11:20	4.1	296	14	5.4	0.00
10/10/2022 11:30	4.0	296	16	5.4	0.00
10/10/2022 11:40	4.0	303	14	5.2	0.00
10/10/2022 11:50	3.8	314	14	5.2	0.00
10/10/2022 12:00	3.8	303	17	5.3	0.00
10/10/2022 12:10	3.8	297	14	5.6	0.00
10/10/2022 12:20	3.7	301	15	4.8	0.00
10/10/2022 12:30	3.9	297	10	5.3	0.00
10/10/2022 12:40	3.9	298	17	5.2	0.00
10/10/2022 12:50	4.5	299	12	6.0	0.00
10/10/2022 13:00	4.4	305	17	6.5	0.00
10/10/2022 13:10	5.1	297	14	7.1	0.00
10/10/2022 13:20	5.2	271	16	7.2	0.00
10/10/2022 13:30	4.8	293	12	6.5	0.00
10/10/2022 13:40	4.9	295	16	6.4	0.00
10/10/2022 13:50	4.8	287	19	7.2	0.00
10/10/2022 14:00	6.0	297	9	7.5	0.00
10/10/2022 14:10	5.0	296	14	7.2	0.00
10/10/2022 14:20	5.2	283	17	7.2	0.00
10/10/2022 14:30	5.3	279	19	7.7	0.00
10/10/2022 14:40	5.5	273	13	7.8	0.00
10/10/2022 14:50	6.8	262	11	8.7	0.00
10/10/2022 15:00	6.2	266	15	8.5	0.00
10/10/2022 15:10	6.7	263	12	9.1	0.00
10/10/2022 15:20	5.2	274	16	7.1	0.00
10/10/2022 15:30	5.3	290	14	6.8	0.00
10/10/2022 15:40	5.1	274	18	6.9	0.00
10/10/2022 15:50	5.7	269	15	8.0	0.00
10/10/2022 16:00	5.5	277	16	7.5	0.00
10/10/2022 16:10	5.5	278	14	7.5	0.00
10/10/2022 16:20	5.2	288	17	7.3	0.00
10/10/2022 16:30	5.2	289	18	6.8	0.00
10/10/2022 16:40	4.7	281	17	7.1	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/10/2022 16:50	4.8	292	14	6.8	0.00
10/10/2022 17:00	5.9	269	15	8.2	0.00
10/10/2022 17:10	6.7	264	12	9.5	0.00
10/10/2022 17:20	7.0	260	11	9.3	0.00
10/10/2022 17:30	7.1	262	11	9.4	0.00
10/10/2022 17:40	7.4	264	10	9.6	0.00
10/10/2022 17:50	7.4	264	11	9.9	0.00
10/10/2022 18:00	7.4	263	10	9.7	0.00
10/10/2022 18:10	7.1	263	10	9.5	0.00
10/10/2022 18:20	6.7	263	10	8.9	0.00
10/10/2022 18:30	7.0	263	9	9.1	0.00
10/10/2022 18:40	7.3	264	9	9.9	0.00
10/10/2022 18:50	7.6	262	12	9.8	0.00
10/10/2022 19:00	7.0	262	11	9.5	0.00
10/10/2022 19:10	6.9	263	10	9.3	0.00
10/10/2022 19:20	6.3	261	12	8.3	0.00
10/10/2022 19:30	5.9	262	11	7.5	0.00
10/10/2022 19:40	5.8	261	11	8.5	0.00
10/10/2022 19:50	5.8	257	11	7.8	0.00
10/10/2022 20:00	6.2	259	11	8.9	0.00
10/10/2022 20:10	6.4	264	10	8.3	0.00
10/10/2022 20:20	6.1	264	12	8.2	0.00
10/10/2022 20:30	5.5	258	11	7.9	0.00
10/10/2022 20:40	5.4	256	13	7.1	0.00
10/10/2022 20:50	5.0	259	11	7.2	0.00
10/10/2022 21:00	5.0	256	14	7.4	0.00
10/10/2022 21:10	4.7	252	13	6.4	0.00
10/10/2022 21:20	5.1	254	13	7.0	0.00
10/10/2022 21:30	5.5	255	12	7.7	0.00
10/10/2022 21:40	5.3	252	12	7.6	0.00
10/10/2022 21:50	5.7	253	12	7.9	0.00
10/10/2022 22:00	4.3	248	12	6.1	0.00
10/10/2022 22:10	4.7	254	12	6.6	0.00
10/10/2022 22:20	4.9	253	12	7.0	0.00
10/10/2022 22:30	4.8	251	13	7.0	0.00
10/10/2022 22:40	4.9	250	13	7.2	0.00
10/10/2022 22:50	4.3	248	13	6.8	0.00
10/10/2022 23:00	3.8	246	12	6.0	0.00
10/10/2022 23:10	4.0	249	13	5.5	0.00
10/10/2022 23:20	4.5	247	13	6.4	0.00
10/10/2022 23:30	5.5	253	11	7.9	0.00
10/10/2022 23:40	5.4	254	12	7.4	0.00
10/10/2022 23:50	5.2	254	11	7.1	0.00
10/11/2022 00:00	5.2	252	14	7.3	0.00
10/11/2022 00:10	5.5	252	12	7.5	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/11/2022 00:20	4.7	254	13	7.2	0.00
10/11/2022 00:30	5.4	253	12	7.2	0.00
10/11/2022 00:40	5.4	255	12	7.1	0.00
10/11/2022 00:50	5.2	255	11	7.2	0.00
10/11/2022 01:00	4.7	253	13	6.3	0.00
10/11/2022 01:10	4.8	257	12	6.8	0.00
10/11/2022 01:20	4.4	253	12	6.4	0.00
10/11/2022 01:30	4.6	257	12	6.4	0.00
10/11/2022 01:40	3.9	259	11	5.4	0.00
10/11/2022 01:50	4.6	262	11	6.0	0.00
10/11/2022 02:00	4.7	264	10	6.5	0.00
10/11/2022 02:10	4.3	256	13	5.7	0.00
10/11/2022 02:20	4.7	257	12	7.0	0.00
10/11/2022 02:30	5.0	258	11	6.9	0.00
10/11/2022 02:40	4.8	257	12	6.1	0.00
10/11/2022 02:50	4.5	262	10	6.2	0.00
10/11/2022 03:00	4.5	257	11	6.2	0.00
10/11/2022 03:10	4.6	256	10	6.3	0.00
10/11/2022 03:20	4.6	256	10	6.6	0.00
10/11/2022 03:30	4.4	255	12	5.8	0.00
10/11/2022 03:40	4.3	257	11	5.9	0.00
10/11/2022 03:50	3.2	251	11	4.5	0.00
10/11/2022 04:00	2.6	244	10	3.2	0.00
10/11/2022 04:10	3.4	248	10	5.2	0.00
10/11/2022 04:20	4.4	253	11	5.8	0.00
10/11/2022 04:30	3.8	253	11	5.0	0.00
10/11/2022 04:40	3.3	251	12	4.5	0.00
10/11/2022 04:50	3.0	244	13	4.2	0.00
10/11/2022 05:00	2.8	247	11	3.9	0.00
10/11/2022 05:10	2.8	247	10	3.6	0.00
10/11/2022 05:20	2.4	248	10	3.2	0.00
10/11/2022 05:30	1.8	248	11	2.4	0.00
10/11/2022 05:40	2.0	255	9	2.5	0.00
10/11/2022 05:50	2.0	254	9	2.8	0.00
10/11/2022 06:00	1.8	258	8	2.4	0.00
10/11/2022 06:10	1.5	254	14	2.0	0.00
10/11/2022 06:20	1.5	259	10	2.1	0.00
10/11/2022 06:30	2.3	254	8	3.0	0.00
10/11/2022 06:40	2.5	250	10	3.2	0.00
10/11/2022 06:50	2.3	245	13	3.1	0.00
10/11/2022 07:00	2.0	246	17	2.7	0.00
10/11/2022 07:10	2.2	255	15	3.1	0.00
10/11/2022 07:20	2.3	245	11	3.3	0.00
10/11/2022 07:30	2.1	247	13	3.3	0.00
10/11/2022 07:40	2.0	236	11	2.8	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/11/2022 07:50	1.7	243	18	2.5	0.00
10/11/2022 08:00	1.5	229	17	2.2	0.00
10/11/2022 08:10	1.7	227	16	2.4	0.00
10/11/2022 08:20	1.7	228	32	2.8	0.00
10/11/2022 08:30	1.5	214	47	2.4	0.00
10/11/2022 08:40	1.3	152	75	2.3	0.00
10/11/2022 08:50	1.3	161	37	2.3	0.00
10/11/2022 09:00	2.3	241	26	3.6	0.00
10/11/2022 09:10	3.0	255	18	4.2	0.00
10/11/2022 09:20	2.8	271	19	4.0	0.00
10/11/2022 09:30	2.6	251	17	4.0	0.00
10/11/2022 09:40	2.5	269	16	3.3	0.00
10/11/2022 09:50	1.8	243	32	2.7	0.00
10/11/2022 10:00	1.4	197	29	2.5	0.00
10/11/2022 10:10	1.9	231	28	3.2	0.00
10/11/2022 10:20	2.3	245	21	3.6	0.00
10/11/2022 10:30	2.9	274	23	4.0	0.00
10/11/2022 10:40	3.8	289	13	4.8	0.00
10/11/2022 10:50	4.4	295	11	5.8	0.00
10/11/2022 11:00	4.1	288	16	5.5	0.00
10/11/2022 11:10	4.2	284	15	5.6	0.00
10/11/2022 11:20	4.5	294	11	5.6	0.00
10/11/2022 11:30	4.5	286	15	6.0	0.00
10/11/2022 11:40	4.5	292	16	5.8	0.00
10/11/2022 11:50	4.7	300	10	6.0	0.00
10/11/2022 12:00	4.2	296	15	5.7	0.00
10/11/2022 12:10	4.6	295	16	6.4	0.00
10/11/2022 12:20	4.9	273	16	6.4	0.00
10/11/2022 12:30	4.0	283	19	5.7	0.00
10/11/2022 12:40	4.6	274	18	6.4	0.00
10/11/2022 12:50	4.7	285	19	6.5	0.00
10/11/2022 13:00	4.8	270	17	6.8	0.00
10/11/2022 13:10	4.9	279	18	6.7	0.00
10/11/2022 13:20	5.8	270	14	7.9	0.00
10/11/2022 13:30	6.0	263	12	7.9	0.00
10/11/2022 13:40	6.3	267	13	8.7	0.00
10/11/2022 13:50	6.6	269	14	9.2	0.00
10/11/2022 14:00	6.7	265	12	8.7	0.00
10/11/2022 14:10	6.9	267	14	8.7	0.00
10/11/2022 14:20	6.4	266	14	9.3	0.00
10/11/2022 14:30	7.0	263	15	10.4	0.00
10/11/2022 14:40	7.2	262	11	9.7	0.00
10/11/2022 14:50	6.4	264	13	8.6	0.00
10/11/2022 15:00	7.8	262	10	11.1	0.00
10/11/2022 15:10	7.7	261	9	10.3	0.00





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/11/2022 15:20	7.8	263	12	10.3	0.00
10/11/2022 15:30	7.6	262	12	9.7	0.00
10/11/2022 15:40	7.0	264	14	9.8	0.00
10/11/2022 15:50	7.5	263	11	10.2	0.00
10/11/2022 16:00	7.1	261	11	10.3	0.00
10/11/2022 16:10	7.9	266	12	10.9	0.00
10/11/2022 16:20	7.0	260	11	10.2	0.00
10/11/2022 16:30	7.3	259	11	9.8	0.00
10/11/2022 16:40	7.0	263	12	9.7	0.00
10/11/2022 16:50	6.4	263	12	9.4	0.00
10/11/2022 17:00	7.1	262	12	10.1	0.00
10/11/2022 17:10	7.2	262	10	9.6	0.00
10/11/2022 17:20	6.9	262	12	9.6	0.00
10/11/2022 17:30	7.1	261	11	9.4	0.00
10/11/2022 17:40	7.1	261	12	9.7	0.00
10/11/2022 17:50	7.3	259	13	10.5	0.00
10/11/2022 18:00	7.4	260	13	10.6	0.00
10/11/2022 18:10	7.7	257	11	9.9	0.00
10/11/2022 18:20	7.7	258	10	10.4	0.00
10/11/2022 18:30	7.8	256	12	11.5	0.00
10/11/2022 18:40	7.1	256	12	9.4	0.00
10/11/2022 18:50	7.4	256	13	10.3	0.00
10/11/2022 19:00	7.1	257	11	10.4	0.00
10/11/2022 19:10	7.1	255	12	10.1	0.00
10/11/2022 19:20	7.5	255	11	9.8	0.00
10/11/2022 19:30	8.1	257	11	10.9	0.00
10/11/2022 19:40	7.6	257	13	10.7	0.00
10/11/2022 19:50	7.6	254	13	10.9	0.00
10/11/2022 20:00	7.9	253	12	10.6	0.00
10/11/2022 20:10	6.3	254	12	8.8	0.00
10/11/2022 20:20	6.7	253	13	9.5	0.00
10/11/2022 20:30	6.8	254	11	9.3	0.00
10/11/2022 20:40	5.9	254	12	8.0	0.00
10/11/2022 20:50	5.8	255	12	8.1	0.00
10/11/2022 21:00	6.5	255	12	9.5	0.00
10/11/2022 21:10	6.6	254	14	9.3	0.00
10/11/2022 21:20	7.3	247	12	10.7	0.00
10/11/2022 21:30	6.6	248	14	9.3	0.00
10/11/2022 21:40	6.2	250	13	8.8	0.00
10/11/2022 21:50	6.4	249	14	9.3	0.00
10/11/2022 22:00	7.6	246	13	11.1	0.00
10/11/2022 22:10	6.9	248	12	9.6	0.00
10/11/2022 22:20	6.8	245	12	9.5	0.00
10/11/2022 22:30	6.7	248	12	9.4	0.00
10/11/2022 22:40	6.9	246	13	9.4	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/11/2022 22:50	7.0	246	13	10.3	0.00
10/11/2022 23:00	6.8	246	13	9.1	0.00
10/11/2022 23:10	6.5	246	14	9.4	0.00
10/11/2022 23:20	6.1	246	13	9.3	0.00
10/11/2022 23:30	5.6	244	11	7.9	0.00
10/11/2022 23:40	5.2	242	13	7.8	0.00
10/11/2022 23:50	5.2	242	13	7.5	0.00
10/12/2022 00:00	5.3	246	12	7.5	0.00
10/12/2022 00:10	5.6	245	13	7.7	0.00
10/12/2022 00:20	5.1	249	12	7.2	0.00
10/12/2022 00:30	5.8	247	12	8.1	0.00
10/12/2022 00:40	5.6	243	11	7.9	0.00
10/12/2022 00:50	4.6	249	12	6.7	0.00
10/12/2022 01:00	5.2	247	13	7.1	0.00
10/12/2022 01:10	5.1	249	14	7.5	0.00
10/12/2022 01:20	5.5	247	12	7.8	0.00
10/12/2022 01:30	5.2	254	12	7.8	0.00
10/12/2022 01:40	5.2	249	13	7.6	0.00
10/12/2022 01:50	5.1	247	13	7.1	0.00
10/12/2022 02:00	4.4	244	12	6.5	0.00
10/12/2022 02:10	4.7	248	12	7.1	0.00
10/12/2022 02:20	4.8	245	13	6.9	0.00
10/12/2022 02:30	4.3	248	13	5.6	0.00
10/12/2022 02:40	4.2	249	12	6.1	0.00
10/12/2022 02:50	4.1	246	13	5.7	0.00
10/12/2022 03:00	4.0	249	12	6.0	0.00
10/12/2022 03:10	4.1	247	13	5.7	0.00
10/12/2022 03:20	3.6	240	14	5.4	0.00
10/12/2022 03:30	3.6	238	15	5.1	0.00
10/12/2022 03:40	4.2	239	12	6.0	0.00
10/12/2022 03:50	4.4	237	13	6.2	0.00
10/12/2022 04:00	4.6	239	13	6.1	0.00
10/12/2022 04:10	5.2	238	12	7.2	0.00
10/12/2022 04:20	4.7	241	14	7.2	0.00
10/12/2022 04:30	4.4	240	13	6.5	0.00
10/12/2022 04:40	4.4	236	13	5.7	0.00
10/12/2022 04:50	4.7	241	13	6.9	0.00
10/12/2022 05:00	4.7	237	12	7.3	0.00
10/12/2022 05:10	4.5	237	14	7.2	0.00
10/12/2022 05:20	3.9	238	13	5.6	0.00
10/12/2022 05:30	4.0	239	14	5.6	0.00
10/12/2022 05:40	4.1	238	13	6.0	0.00
10/12/2022 05:50	4.3	233	13	7.2	0.00
10/12/2022 06:00	3.6	238	14	4.8	0.00
10/12/2022 06:10	3.8	235	13	5.7	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/12/2022 06:20	4.3	232	14	5.8	0.00
10/12/2022 06:30	4.6	231	13	6.7	0.00
10/12/2022 06:40	4.0	229	13	5.8	0.00
10/12/2022 06:50	5.0	230	14	7.2	0.00
10/12/2022 07:00	5.2	230	13	7.0	0.00
10/12/2022 07:10	4.7	231	14	7.2	0.00
10/12/2022 07:20	4.9	228	17	7.3	0.00
10/12/2022 07:30	5.1	231	13	6.8	0.00
10/12/2022 07:40	4.9	225	16	7.1	0.00
10/12/2022 07:50	4.4	223	16	7.0	0.00
10/12/2022 08:00	4.6	220	20	6.2	0.00
10/12/2022 08:10	4.2	218	19	6.7	0.00
10/12/2022 08:20	4.9	220	15	6.6	0.00
10/12/2022 08:30	4.3	221	15	6.6	0.00
10/12/2022 08:40	4.2	222	20	6.4	0.00
10/12/2022 08:50	3.0	223	60	5.6	0.00
10/12/2022 09:00	4.2	223	21	6.4	0.00
10/12/2022 09:10	4.3	228	17	6.3	0.00
10/12/2022 09:20	4.7	225	21	6.8	0.00
10/12/2022 09:30	4.9	225	16	7.3	0.00
10/12/2022 09:40	4.7	235	14	6.4	0.00
10/12/2022 09:50	4.4	227	16	6.3	0.00
10/12/2022 10:00	4.2	236	15	6.6	0.00
10/12/2022 10:10	4.9	231	17	8.0	0.00
10/12/2022 10:20	4.6	235	16	7.2	0.00
10/12/2022 10:30	5.3	231	16	7.9	0.00
10/12/2022 10:40	5.3	227	22	8.1	0.00
10/12/2022 10:50	5.2	224	20	7.9	0.00
10/12/2022 11:00	5.1	233	15	8.6	0.00
10/12/2022 11:10	5.3	232	16	7.5	0.00
10/12/2022 11:20	5.4	234	15	8.4	0.00
10/12/2022 11:30	5.2	241	15	7.3	0.00
10/12/2022 11:40	5.6	232	17	9.9	0.00
10/12/2022 11:50	5.7	234	19	9.0	0.00
10/12/2022 12:00	5.3	226	19	8.4	0.00
10/12/2022 12:10	5.6	227	21	9.0	0.00
10/12/2022 12:20	5.6	237	17	7.9	0.00
10/12/2022 12:30	5.7	232	15	8.5	0.00
10/12/2022 12:40	6.1	229	17	8.5	0.00
10/12/2022 12:50	5.5	231	16	8.4	0.00
10/12/2022 13:00	5.6	226	19	7.9	0.00
10/12/2022 13:10	5.4	220	21	7.9	0.00
10/12/2022 13:20	5.3	233	35	9.0	0.00
10/12/2022 13:30	5.4	226	18	8.4	0.00
10/12/2022 13:40	4.0	227	53	6.8	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/12/2022 13:50	5.3	224	18	7.8	0.00
10/12/2022 14:00	6.1	222	17	9.4	0.00
10/12/2022 14:10	5.9	226	19	9.6	0.00
10/12/2022 14:20	5.8	225	27	8.9	0.00
10/12/2022 14:30	6.1	222	21	9.4	0.00
10/12/2022 14:40	5.3	230	25	9.2	0.00
10/12/2022 14:50	5.0	227	18	8.0	0.00
10/12/2022 15:00	4.6	218	42	7.2	0.00
10/12/2022 15:10	4.8	224	31	7.7	0.00
10/12/2022 15:20	5.3	225	33	8.8	0.00
10/12/2022 15:30	4.8	219	48	7.9	0.00
10/12/2022 15:40	4.1	220	61	7.6	0.00
10/12/2022 15:50	5.1	220	40	8.8	0.00
10/12/2022 16:00	5.0	253	56	8.0	0.00
10/12/2022 16:10	4.9	220	48	8.7	0.00
10/12/2022 16:20	6.1	222	22	9.3	0.00
10/12/2022 16:30	5.0	224	37	8.0	0.00
10/12/2022 16:40	4.8	218	33	7.2	0.00
10/12/2022 16:50	5.7	218	22	8.3	0.00
10/12/2022 17:00	6.2	218	36	9.9	0.00
10/12/2022 17:10	3.8	222	58	7.1	0.00
10/12/2022 17:20	4.6	226	43	7.8	0.00
10/12/2022 17:30	4.3	222	42	7.0	0.00
10/12/2022 17:40	4.5	217	28	7.2	0.00
10/12/2022 17:50	2.1	270	88	3.6	0.00
10/12/2022 18:00	1.6	159	85	2.5	0.00
10/12/2022 18:10	2.5	226	76	4.1	0.00
10/12/2022 18:20	2.1	262	76	3.7	0.00
10/12/2022 18:30	2.4	242	61	4.0	0.00
10/12/2022 18:40	2.9	225	39	4.3	0.00
10/12/2022 18:50	2.6	218	35	4.0	0.00
10/12/2022 19:00	4.3	218	14	6.0	0.00
10/12/2022 19:10	3.0	215	45	4.5	0.00
10/12/2022 19:20	2.3	229	48	3.6	0.00
10/12/2022 19:30	2.5	229	55	3.8	0.00
10/12/2022 19:40	2.6	230	52	4.1	0.00
10/12/2022 19:50	2.3	228	67	4.0	0.00
10/12/2022 20:00	2.1	255	76	3.8	0.00
10/12/2022 20:10	1.6	186	74	2.9	0.00
10/12/2022 20:20	1.9	319	90	3.0	0.00
10/12/2022 20:30	1.7	315	85	3.3	0.00
10/12/2022 20:40	2.2	234	64	3.5	0.00
10/12/2022 20:50	2.5	239	58	3.6	0.00
10/12/2022 21:00	2.3	228	65	3.4	0.00
10/12/2022 21:10	2.7	223	54	4.0	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/12/2022 21:20	1.9	297	88	2.9	0.00
10/12/2022 21:30	2.0	250	78	3.9	0.00
10/12/2022 21:40	2.5	234	59	4.1	0.00
10/12/2022 21:50	2.6	235	72	4.8	0.00
10/12/2022 22:00	2.5	249	73	4.5	0.00
10/12/2022 22:10	2.4	235	66	4.1	0.00
10/12/2022 22:20	2.4	241	75	4.1	0.00
10/12/2022 22:30	2.0	310	90	3.4	0.00
10/12/2022 22:40	2.2	289	90	3.7	0.00
10/12/2022 22:50	2.0	335	88	3.2	0.00
10/12/2022 23:00	1.9	325	87	3.2	0.00
10/12/2022 23:10	1.9	331	83	3.2	0.00
10/12/2022 23:20	1.9	183	90	3.3	0.00
10/12/2022 23:30	2.0	312	80	3.5	0.00
10/12/2022 23:40	2.1	181	80	3.5	0.00
10/12/2022 23:50	2.1	83	83	3.7	0.00
13/10/2022 00:00	2.1	42	96	4.5	0.00
13/10/2022 00:10	2.0	88	74	3.4	0.00
13/10/2022 00:20	2.0	110	75	3.4	0.00
13/10/2022 00:30	2.6	143	51	4.4	0.00
13/10/2022 00:40	2.1	113	67	3.9	0.00
13/10/2022 00:50	2.0	112	74	3.4	0.00
13/10/2022 01:00	1.6	101	76	2.8	0.00
13/10/2022 01:10	2.3	136	63	3.8	0.00
13/10/2022 01:20	2.3	125	55	3.8	0.00
13/10/2022 01:30	1.9	123	67	3.2	0.00
13/10/2022 01:40	2.0	136	64	3.2	0.00
13/10/2022 01:50	1.9	128	61	2.9	0.00
13/10/2022 02:00	1.9	132	64	3.2	0.00
13/10/2022 02:10	2.0	137	66	3.1	0.00
13/10/2022 02:20	2.2	144	53	3.8	0.00
13/10/2022 02:30	2.0	137	52	3.4	0.00
13/10/2022 02:40	1.9	129	52	3.4	0.00
13/10/2022 02:50	1.8	147	47	2.8	0.00
13/10/2022 03:00	1.9	145	50	3.1	0.00
13/10/2022 03:10	2.4	145	31	3.3	0.00
13/10/2022 03:20	2.5	146	25	3.9	0.00
13/10/2022 03:30	2.7	144	21	3.8	0.00
13/10/2022 03:40	2.7	143	20	3.8	0.00
13/10/2022 03:50	3.0	147	18	4.8	0.00
13/10/2022 04:00	3.4	146	17	4.8	0.00
13/10/2022 04:10	3.1	145	17	4.7	0.00
13/10/2022 04:20	3.1	145	15	4.0	0.00
13/10/2022 04:30	2.9	142	18	4.4	0.00
13/10/2022 04:40	3.0	143	17	4.2	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/10/2022 04:50	3.0	143	15	4.0	0.00
13/10/2022 05:00	2.8	146	18	4.1	0.00
13/10/2022 05:10	2.8	142	15	3.9	0.00
13/10/2022 05:20	2.9	143	15	4.0	0.00
13/10/2022 05:30	2.7	141	16	3.9	0.00
13/10/2022 05:40	3.2	136	15	4.8	0.00
13/10/2022 05:50	3.1	137	14	4.1	0.00
13/10/2022 06:00	2.7	118	11	4.4	0.00
13/10/2022 06:10	3.9	105	12	5.6	0.00
13/10/2022 06:20	3.8	105	11	5.0	0.00
13/10/2022 06:30	3.0	103	14	4.6	0.00
13/10/2022 06:40	5.0	103	14	7.3	0.00
13/10/2022 06:50	8.2	102	10	11.1	0.00
13/10/2022 07:00	8.0	107	10	10.7	0.00
13/10/2022 07:10	9.2	105	9	13.0	0.00
13/10/2022 07:20	8.7	108	10	12.1	0.00
13/10/2022 07:30	8.1	103	12	11.0	0.00
13/10/2022 07:40	7.7	105	10	10.6	0.00
13/10/2022 07:50	8.5	102	11	11.6	0.00
13/10/2022 08:00	8.1	102	11	11.6	0.00
13/10/2022 08:10	8.1	101	11	10.9	0.00
13/10/2022 08:20	9.3	107	12	12.9	0.00
13/10/2022 08:30	9.1	106	11	13.1	0.00
13/10/2022 08:40	9.2	97	12	12.0	0.00
13/10/2022 08:50	8.4	96	13	12.1	0.00
13/10/2022 09:00	8.6	95	12	11.5	0.00
13/10/2022 09:10	8.4	93	13	11.2	0.00
13/10/2022 09:20	8.6	93	13	11.9	0.00
13/10/2022 09:30	9.0	96	12	12.3	0.00
13/10/2022 09:40	9.2	93	14	12.3	0.00
13/10/2022 09:50	9.0	95	13	13.1	0.00
13/10/2022 10:00	9.2	89	11	12.1	0.00
13/10/2022 10:10	8.4	89	12	11.1	0.00
13/10/2022 10:20	9.3	87	10	12.4	0.00
13/10/2022 10:30	9.0	88	11	12.2	0.00
13/10/2022 10:40	9.7	87	10	12.5	0.00
13/10/2022 10:50	9.6	85	11	12.5	0.00
13/10/2022 11:00	8.0	91	15	10.3	0.00
13/10/2022 11:10	8.3	90	14	11.5	0.00
13/10/2022 11:20	8.1	87	13	10.9	0.00
13/10/2022 11:30	7.5	84	13	10.6	0.00
13/10/2022 11:40	8.0	82	12	10.3	0.00
13/10/2022 11:50	7.5	80	11	10.4	0.00
13/10/2022 12:00	6.7	76	14	9.2	0.00
13/10/2022 12:10	7.5	79	11	9.9	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/10/2022 12:20	6.5	78	13	9.1	0.00
13/10/2022 12:30	6.9	78	11	9.6	0.00
13/10/2022 12:40	6.5	74	14	8.5	0.00
13/10/2022 12:50	6.6	73	12	9.3	0.00
13/10/2022 13:00	7.0	73	13	9.4	0.00
13/10/2022 13:10	6.8	71	11	9.4	0.00
13/10/2022 13:20	5.9	70	12	8.6	0.00
13/10/2022 13:30	5.9	65	15	8.3	0.00
13/10/2022 13:40	6.0	73	14	8.7	0.00
13/10/2022 13:50	6.3	71	13	8.6	0.00
13/10/2022 14:00	5.6	68	14	7.6	0.00
13/10/2022 14:10	6.0	65	12	8.1	0.00
13/10/2022 14:20	6.1	66	11	8.2	0.00
13/10/2022 14:30	6.2	62	13	9.3	0.00
13/10/2022 14:40	6.6	68	11	8.6	0.00
13/10/2022 14:50	5.8	66	16	8.1	0.00
13/10/2022 15:00	6.0	67	12	7.6	0.00
13/10/2022 15:10	5.6	67	14	7.9	0.00
13/10/2022 15:20	5.9	67	10	8.4	0.00
13/10/2022 15:30	5.5	60	17	7.2	0.00
13/10/2022 15:40	4.7	50	16	6.5	0.00
13/10/2022 15:50	4.0	37	16	5.8	0.00
13/10/2022 16:00	4.2	18	20	6.5	0.00
13/10/2022 16:10	3.9	3	19	5.8	0.00
13/10/2022 16:20	4.6	10	19	6.4	0.00
13/10/2022 16:30	4.4	178	16	6.2	0.00
13/10/2022 16:40	4.3	348	17	6.4	0.00
13/10/2022 16:50	4.1	354	20	6.4	0.00
13/10/2022 17:00	4.1	347	17	5.6	0.00
13/10/2022 17:10	4.2	351	16	5.9	0.00
13/10/2022 17:20	3.9	175	17	5.6	0.00
13/10/2022 17:30	4.5	346	15	6.1	0.00
13/10/2022 17:40	4.0	356	18	5.7	0.00
13/10/2022 17:50	3.8	176	19	6.0	0.00
13/10/2022 18:00	3.6	183	19	5.6	0.00
13/10/2022 18:10	3.3	181	18	5.3	0.00
13/10/2022 18:20	3.2	180	20	4.8	0.00
13/10/2022 18:30	3.5	351	20	5.2	0.00
13/10/2022 18:40	3.4	332	31	5.2	0.00
13/10/2022 18:50	4.7	265	10	6.3	0.00
13/10/2022 19:00	2.5	327	34	4.0	0.00
13/10/2022 19:10	4.2	261	10	5.8	0.00
13/10/2022 19:20	2.8	276	18	4.3	0.00
13/10/2022 19:30	4.3	260	12	5.7	0.00
13/10/2022 19:40	3.4	257	11	4.5	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/10/2022 19:50	3.5	265	11	4.8	0.00
13/10/2022 20:00	3.1	249	11	4.2	0.00
13/10/2022 20:10	3.6	256	10	4.5	0.00
13/10/2022 20:20	3.3	262	10	4.2	0.00
13/10/2022 20:30	3.3	253	11	4.4	0.00
13/10/2022 20:40	3.7	251	12	4.8	0.00
13/10/2022 20:50	3.6	255	9	4.6	0.00
13/10/2022 21:00	3.5	250	10	4.3	0.00
13/10/2022 21:10	3.6	250	11	4.8	0.00
13/10/2022 21:20	3.4	251	12	4.4	0.00
13/10/2022 21:30	3.4	240	12	4.8	0.00
13/10/2022 21:40	3.0	238	12	4.2	0.00
13/10/2022 21:50	2.7	234	14	3.6	0.00
13/10/2022 22:00	2.7	234	14	3.8	0.00
13/10/2022 22:10	3.2	234	13	4.3	0.00
13/10/2022 22:20	3.2	236	13	4.7	0.00
13/10/2022 22:30	3.1	235	13	5.0	0.00
13/10/2022 22:40	3.0	236	13	4.4	0.00
13/10/2022 22:50	2.7	233	13	4.0	0.00
13/10/2022 23:00	3.2	231	13	5.0	0.00
13/10/2022 23:10	3.5	229	15	4.8	0.00
13/10/2022 23:20	3.4	228	15	4.7	0.00
13/10/2022 23:30	3.1	233	14	4.1	0.00
13/10/2022 23:40	2.7	232	17	3.7	0.00
13/10/2022 23:50	2.8	234	12	3.8	0.00
14/10/2022 00:00	2.2	237	14	3.2	0.00
14/10/2022 00:10	2.5	242	10	3.4	0.00
14/10/2022 00:20	1.6	241	13	2.4	0.00
14/10/2022 00:30	1.5	247	12	2.0	0.00
14/10/2022 00:40	1.6	245	13	2.4	0.00
14/10/2022 00:50	2.0	238	14	3.1	0.00
14/10/2022 01:00	1.7	235	27	2.6	0.00
14/10/2022 01:10	2.1	231	17	3.2	0.00
14/10/2022 01:20	2.1	224	21	3.2	0.00
14/10/2022 01:30	2.4	227	22	3.6	0.00
14/10/2022 01:40	2.4	218	18	3.2	0.00
14/10/2022 01:50	2.6	227	14	3.9	0.00
14/10/2022 02:00	2.2	218	18	3.0	0.00
14/10/2022 02:10	2.5	226	16	3.4	0.00
14/10/2022 02:20	2.5	215	16	3.4	0.00
14/10/2022 02:30	2.5	217	19	3.6	0.00
14/10/2022 02:40	2.8	216	15	3.7	0.00
14/10/2022 02:50	2.4	218	38	3.9	0.00
14/10/2022 03:00	1.5	218	45	2.5	0.00
14/10/2022 03:10	1.4	221	54	2.4	0.00





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/10/2022 03:20	1.5	230	56	3.2	0.00
14/10/2022 03:30	1.8	220	46	3.2	0.00
14/10/2022 03:40	1.3	236	23	2.0	0.00
14/10/2022 03:50	0.8	249	21	1.2	0.00
14/10/2022 04:00	1.2	248	21	1.9	0.00
14/10/2022 04:10	0.8	218	54	1.6	0.00
14/10/2022 04:20	0.7	161	54	1.6	0.00
14/10/2022 04:30	1.1	148	75	2.2	0.00
14/10/2022 04:40	1.6	235	24	2.8	0.00
14/10/2022 04:50	2.2	226	17	3.1	0.00
14/10/2022 05:00	2.2	218	18	3.1	0.00
14/10/2022 05:10	1.6	231	22	2.5	0.00
14/10/2022 05:20	1.6	263	14	2.7	0.00
14/10/2022 05:30	1.3	246	18	2.0	0.00
14/10/2022 05:40	1.0	218	35	2.0	0.00
14/10/2022 05:50	1.2	229	26	2.4	0.00
14/10/2022 06:00	0.7	220	28	1.4	0.00
14/10/2022 06:10	0.4	176	21	0.9	0.00
14/10/2022 06:20	0.6	140	41	1.6	0.00
14/10/2022 06:30	0.6	154	28	1.2	0.00
14/10/2022 06:40	1.0	143	32	2.0	0.00
14/10/2022 06:50	1.9	138	25	3.2	0.00
14/10/2022 07:00	2.0	118	19	4.2	0.00
14/10/2022 07:10	3.9	100	13	5.5	0.00
14/10/2022 07:20	3.5	99	13	4.9	0.00
14/10/2022 07:30	3.7	99	11	5.1	0.00
14/10/2022 07:40	3.9	107	14	5.4	0.00
14/10/2022 07:50	3.9	107	15	5.2	0.00
14/10/2022 08:00	4.0	103	14	5.6	0.00
14/10/2022 08:10	4.5	107	12	6.2	0.00
14/10/2022 08:20	4.6	114	11	6.1	0.00
14/10/2022 08:30	4.4	104	13	6.0	0.00
14/10/2022 08:40	4.9	102	14	7.0	0.00
14/10/2022 08:50	6.1	98	12	8.1	0.00
14/10/2022 09:00	6.3	86	13	9.5	0.00
14/10/2022 09:10	7.1	86	11	9.4	0.00
14/10/2022 09:20	6.8	87	13	9.3	0.00
14/10/2022 09:30	7.0	83	10	9.1	0.00
14/10/2022 09:40	6.8	84	12	9.5	0.00
14/10/2022 09:50	6.3	91	13	8.9	0.00
14/10/2022 10:00	6.7	91	13	9.7	0.00
14/10/2022 10:10	5.9	85	12	7.9	0.00
14/10/2022 10:20	6.5	79	12	8.7	0.00
14/10/2022 10:30	6.8	81	11	8.7	0.00
14/10/2022 10:40	7.5	72	13	9.9	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/10/2022 10:50	7.4	81	11	9.7	0.00
14/10/2022 11:00	7.3	73	11	9.9	0.00
14/10/2022 11:10	7.4	76	12	9.5	0.00
14/10/2022 11:20	7.6	81	10	9.6	0.00
14/10/2022 11:30	7.0	78	13	9.1	0.00
14/10/2022 11:40	6.6	75	12	8.9	0.00
14/10/2022 11:50	7.1	82	10	9.4	0.00
14/10/2022 12:00	6.6	75	13	8.7	0.00
14/10/2022 12:10	6.1	78	11	8.4	0.00
14/10/2022 12:20	6.2	71	12	8.6	0.00
14/10/2022 12:30	6.0	72	11	8.3	0.00
14/10/2022 12:40	6.0	68	15	8.0	0.00
14/10/2022 12:50	5.6	76	13	7.7	0.00
14/10/2022 13:00	5.1	65	13	6.6	0.00
14/10/2022 13:10	5.2	66	12	7.0	0.00
14/10/2022 13:20	5.5	65	15	8.1	0.00
14/10/2022 13:30	5.2	67	13	7.2	0.00
14/10/2022 13:40	5.0	68	16	6.8	0.00
14/10/2022 13:50	4.7	62	15	6.4	0.00
14/10/2022 14:00	4.6	59	17	6.7	0.00
14/10/2022 14:10	4.5	62	19	6.4	0.00
14/10/2022 14:20	5.1	70	11	7.0	0.00
14/10/2022 14:30	4.3	58	15	5.9	0.00
14/10/2022 14:40	4.1	54	17	6.5	0.00
14/10/2022 14:50	4.2	46	16	5.6	0.00
14/10/2022 15:00	4.0	35	26	6.7	0.00
14/10/2022 15:10	4.0	178	19	5.7	0.00
14/10/2022 15:20	4.3	353	18	6.4	0.00
14/10/2022 15:30	4.1	347	21	5.9	0.00
14/10/2022 15:40	4.4	350	16	6.1	0.00
14/10/2022 15:50	3.8	345	17	5.6	0.00
14/10/2022 16:00	3.7	180	19	5.3	0.00
14/10/2022 16:10	4.1	354	18	5.6	0.00
14/10/2022 16:20	4.0	187	19	5.9	0.00
14/10/2022 16:30	4.6	13	18	6.0	0.00
14/10/2022 16:40	4.1	8	17	5.7	0.00
14/10/2022 16:50	3.6	13	16	5.1	0.00
14/10/2022 17:00	3.8	356	17	5.0	0.00
14/10/2022 17:10	3.6	180	17	5.1	0.00
14/10/2022 17:20	3.5	357	17	5.2	0.00
14/10/2022 17:30	3.5	2	21	4.8	0.00
14/10/2022 17:40	3.7	183	17	5.4	0.00
14/10/2022 17:50	4.0	352	16	5.3	0.00
14/10/2022 18:00	3.4	180	15	5.2	0.00
14/10/2022 18:10	3.7	8	18	5.3	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/10/2022 18:20	3.4	179	20	5.2	0.00
14/10/2022 18:30	3.5	1	19	5.6	0.00
14/10/2022 18:40	3.3	359	19	4.8	0.00
14/10/2022 18:50	2.7	326	21	4.1	0.00
14/10/2022 19:00	2.5	320	20	4.0	0.00
14/10/2022 19:10	2.6	314	21	4.2	0.00
14/10/2022 19:20	2.7	296	19	4.0	0.00
14/10/2022 19:30	3.3	288	14	4.6	0.00
14/10/2022 19:40	3.4	281	14	4.6	0.00
14/10/2022 19:50	3.2	277	14	4.1	0.00
14/10/2022 20:00	3.1	269	12	4.2	0.00
14/10/2022 20:10	3.3	262	10	4.2	0.00
14/10/2022 20:20	3.3	263	9	4.2	0.00
14/10/2022 20:30	2.5	262	11	3.2	0.00
14/10/2022 20:40	2.5	265	13	3.3	0.00
14/10/2022 20:50	2.1	267	15	2.9	0.00
14/10/2022 21:00	2.6	257	10	3.5	0.00
14/10/2022 21:10	3.0	261	8	3.6	0.00
14/10/2022 21:20	2.8	259	7	3.5	0.00
14/10/2022 21:30	3.0	258	9	3.7	0.00
14/10/2022 21:40	2.8	259	7	3.2	0.00
14/10/2022 21:50	2.7	259	7	3.3	0.00
14/10/2022 22:00	2.5	259	7	3.1	0.00
14/10/2022 22:10	2.9	261	6	3.6	0.00
14/10/2022 22:20	2.9	261	8	3.7	0.00
14/10/2022 22:30	2.9	256	9	3.9	0.00
14/10/2022 22:40	2.9	260	10	3.7	0.00
14/10/2022 22:50	2.6	253	9	3.7	0.00
14/10/2022 23:00	2.9	254	9	3.7	0.00
14/10/2022 23:10	2.0	238	11	2.4	0.00
14/10/2022 23:20	1.7	242	11	2.3	0.00
14/10/2022 23:30	1.6	230	14	2.2	0.00
14/10/2022 23:40	2.0	238	12	2.7	0.00
14/10/2022 23:50	2.4	237	11	3.2	0.00
15/10/2022 00:00	2.0	239	13	2.8	0.00
15/10/2022 00:10	1.9	247	10	2.8	0.00
15/10/2022 00:20	2.1	247	9	2.8	0.00
15/10/2022 00:30	2.1	242	13	2.9	0.00
15/10/2022 00:40	2.5	236	12	3.2	0.00
15/10/2022 00:50	2.2	237	13	3.3	0.00
15/10/2022 01:00	2.5	236	11	3.4	0.00
15/10/2022 01:10	3.0	242	12	4.0	0.00
15/10/2022 01:20	2.8	244	11	3.8	0.00
15/10/2022 01:30	2.3	249	12	3.0	0.00
15/10/2022 01:40	2.0	251	10	2.7	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/10/2022 01:50	2.1	250	12	2.9	0.00
15/10/2022 02:00	2.6	251	11	3.6	0.00
15/10/2022 02:10	2.7	248	12	3.8	0.00
15/10/2022 02:20	2.7	249	12	3.6	0.00
15/10/2022 02:30	2.3	256	11	3.1	0.00
15/10/2022 02:40	2.2	252	11	2.9	0.00
15/10/2022 02:50	2.2	250	8	2.8	0.00
15/10/2022 03:00	1.9	251	11	2.7	0.00
15/10/2022 03:10	2.0	251	11	2.7	0.00
15/10/2022 03:20	2.2	249	11	2.9	0.00
15/10/2022 03:30	2.6	240	12	3.6	0.00
15/10/2022 03:40	2.8	236	12	4.0	0.00
15/10/2022 03:50	3.1	238	11	4.4	0.00
15/10/2022 04:00	3.1	234	11	4.4	0.00
15/10/2022 04:10	3.0	233	13	4.3	0.00
15/10/2022 04:20	3.2	231	13	4.6	0.00
15/10/2022 04:30	2.9	234	13	4.3	0.00
15/10/2022 04:40	3.0	233	13	4.0	0.00
15/10/2022 04:50	2.7	236	15	3.9	0.00
15/10/2022 05:00	2.5	238	14	3.5	0.00
15/10/2022 05:10	2.8	240	14	4.1	0.00
15/10/2022 05:20	2.6	245	13	3.6	0.00
15/10/2022 05:30	2.5	242	13	3.5	0.00
15/10/2022 05:40	2.2	244	13	3.1	0.00
15/10/2022 05:50	2.5	241	12	3.5	0.00
15/10/2022 06:00	2.4	248	12	3.2	0.00
15/10/2022 06:10	2.3	248	15	3.1	0.00
15/10/2022 06:20	2.1	242	14	3.1	0.00
15/10/2022 06:30	2.7	242	13	3.7	0.00
15/10/2022 06:40	2.6	247	14	3.7	0.00
15/10/2022 06:50	2.6	234	15	3.6	0.00
15/10/2022 07:00	2.7	227	17	4.1	0.00
15/10/2022 07:10	2.5	227	16	3.8	0.00
15/10/2022 07:20	2.2	222	19	3.4	0.00
15/10/2022 07:30	2.0	222	21	2.8	0.00
15/10/2022 07:40	2.3	237	15	3.3	0.00
15/10/2022 07:50	2.8	237	16	4.0	0.00
15/10/2022 08:00	2.6	240	16	4.0	0.00
15/10/2022 08:10	2.6	231	21	3.8	0.00
15/10/2022 08:20	2.6	235	19	3.4	0.00
15/10/2022 08:30	1.8	244	61	4.1	0.00
15/10/2022 08:40	1.8	229	78	3.2	0.00
15/10/2022 08:50	2.6	218	30	3.8	0.00
15/10/2022 09:00	3.2	231	14	4.6	0.00
15/10/2022 09:10	3.2	230	19	4.3	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/10/2022 09:20	2.8	228	22	4.8	0.00
15/10/2022 09:30	2.5	219	62	4.6	0.00
15/10/2022 09:40	3.1	217	42	5.0	0.00
15/10/2022 09:50	2.2	214	60	4.2	0.00
15/10/2022 10:00	2.5	189	58	3.9	0.00
15/10/2022 10:10	2.2	188	49	3.9	0.00
15/10/2022 10:20	2.6	239	21	3.8	0.00
15/10/2022 10:30	2.9	245	22	4.7	0.00
15/10/2022 10:40	3.2	253	21	4.8	0.00
15/10/2022 10:50	2.2	210	49	4.0	0.00
15/10/2022 11:00	1.8	141	35	3.0	0.00
15/10/2022 11:10	2.6	176	61	4.8	0.00
15/10/2022 11:20	2.8	304	23	4.2	0.00
15/10/2022 11:30	3.1	307	25	4.7	0.00
15/10/2022 11:40	4.4	297	12	5.7	0.00
15/10/2022 11:50	4.4	300	11	5.7	0.00
15/10/2022 12:00	4.1	303	14	5.4	0.00
15/10/2022 12:10	4.5	297	12	5.8	0.00
15/10/2022 12:20	5.0	299	10	6.2	0.00
15/10/2022 12:30	3.7	307	17	5.6	0.00
15/10/2022 12:40	3.9	300	15	5.3	0.00
15/10/2022 12:50	3.7	302	15	5.5	0.00
15/10/2022 13:00	3.2	303	20	4.8	0.00
15/10/2022 13:10	3.0	319	27	5.0	0.00
15/10/2022 13:20	2.6	347	26	4.0	0.00
15/10/2022 13:30	2.7	353	22	4.2	0.00
15/10/2022 13:40	2.9	335	24	4.5	0.00
15/10/2022 13:50	3.7	310	15	5.2	0.00
15/10/2022 14:00	4.3	290	17	6.0	0.00
15/10/2022 14:10	4.1	301	18	5.7	0.00
15/10/2022 14:20	3.6	309	17	5.2	0.00
15/10/2022 14:30	3.4	307	24	5.4	0.00
15/10/2022 14:40	3.1	312	24	4.9	0.00
15/10/2022 14:50	2.6	355	36	4.2	0.00
15/10/2022 15:00	3.1	306	25	4.8	0.00
15/10/2022 15:10	2.9	314	22	4.3	0.00
15/10/2022 15:20	3.2	311	22	5.0	0.00
15/10/2022 15:30	3.2	305	20	4.5	0.00
15/10/2022 15:40	3.2	307	22	4.9	0.00
15/10/2022 15:50	3.8	301	15	5.2	0.00
15/10/2022 16:00	4.1	295	16	5.2	0.00
15/10/2022 16:10	4.0	302	15	5.7	0.00
15/10/2022 16:20	4.7	302	11	6.0	0.00
15/10/2022 16:30	4.7	299	13	6.4	0.00
15/10/2022 16:40	4.2	306	17	6.0	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/10/2022 16:50	4.6	303	14	6.2	0.00
15/10/2022 17:00	4.4	311	14	6.0	0.00
15/10/2022 17:10	4.1	311	16	5.9	0.00
15/10/2022 17:20	3.9	327	19	5.8	0.00
15/10/2022 17:30	4.2	344	17	6.4	0.00
15/10/2022 17:40	5.0	346	13	6.8	0.00
15/10/2022 17:50	3.9	343	18	5.8	0.00
15/10/2022 18:00	4.1	324	16	5.8	0.00
15/10/2022 18:10	3.4	328	19	5.3	0.00
15/10/2022 18:20	3.5	339	17	5.0	0.00
15/10/2022 18:30	4.1	342	15	5.6	0.00
15/10/2022 18:40	4.5	347	13	6.0	0.00
15/10/2022 18:50	3.8	342	14	5.2	0.00
15/10/2022 19:00	3.2	336	19	5.1	0.00
15/10/2022 19:10	3.5	332	15	5.1	0.00
15/10/2022 19:20	3.0	312	15	4.0	0.00
15/10/2022 19:30	3.4	270	16	4.7	0.00
15/10/2022 19:40	4.1	259	9	5.4	0.00
15/10/2022 19:50	3.9	253	11	5.2	0.00
15/10/2022 20:00	4.0	254	13	5.2	0.00
15/10/2022 20:10	4.0	256	13	5.6	0.00
15/10/2022 20:20	4.0	253	12	5.4	0.00
15/10/2022 20:30	3.7	252	11	5.1	0.00
15/10/2022 20:40	4.2	258	10	5.7	0.00
15/10/2022 20:50	3.8	263	10	5.0	0.00
15/10/2022 21:00	4.3	260	8	5.4	0.00
15/10/2022 21:10	4.0	258	10	5.4	0.00
15/10/2022 21:20	3.9	262	9	5.1	0.00
15/10/2022 21:30	3.6	262	9	4.8	0.00
15/10/2022 21:40	3.9	259	10	4.9	0.00
15/10/2022 21:50	4.2	251	10	5.4	0.00
15/10/2022 22:00	3.9	252	9	5.0	0.00
15/10/2022 22:10	4.1	254	10	5.5	0.00
15/10/2022 22:20	4.4	255	10	5.4	0.00
15/10/2022 22:30	3.9	252	13	5.3	0.00
15/10/2022 22:40	3.5	247	12	4.6	0.00
15/10/2022 22:50	3.8	246	11	5.1	0.00
15/10/2022 23:00	3.9	245	12	5.2	0.00
15/10/2022 23:10	4.0	243	12	5.7	0.00
15/10/2022 23:20	3.2	245	12	4.5	0.00
15/10/2022 23:30	4.0	243	12	5.5	0.00
15/10/2022 23:40	3.7	245	12	5.2	0.00
15/10/2022 23:50	3.7	251	12	5.2	0.00
16/10/2022 00:00	3.4	248	13	4.8	0.00
16/10/2022 00:10	3.2	248	13	4.5	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/10/2022 00:20	3.1	247	12	5.0	0.00
16/10/2022 00:30	3.6	247	12	5.3	0.00
16/10/2022 00:40	3.6	248	12	4.6	0.00
16/10/2022 00:50	4.0	245	11	5.6	0.00
16/10/2022 01:00	4.0	249	11	5.9	0.00
16/10/2022 01:10	3.9	249	12	5.6	0.00
16/10/2022 01:20	3.9	245	13	5.6	0.00
16/10/2022 01:30	3.4	247	12	4.5	0.00
16/10/2022 01:40	3.5	249	9	4.9	0.00
16/10/2022 01:50	3.3	250	11	4.6	0.00
16/10/2022 02:00	3.1	253	12	4.2	0.00
16/10/2022 02:10	3.3	253	13	4.8	0.00
16/10/2022 02:20	3.5	249	11	5.0	0.00
16/10/2022 02:30	3.6	244	11	4.9	0.00
16/10/2022 02:40	3.1	242	13	4.4	0.00
16/10/2022 02:50	2.6	242	14	3.7	0.00
16/10/2022 03:00	2.3	238	12	3.6	0.00
16/10/2022 03:10	2.3	241	11	3.6	0.00
16/10/2022 03:20	2.5	249	11	3.6	0.00
16/10/2022 03:30	3.1	242	12	4.4	0.00
16/10/2022 03:40	3.4	243	13	4.5	0.00
16/10/2022 03:50	2.8	245	14	4.3	0.00
16/10/2022 04:00	3.1	241	12	4.2	0.00
16/10/2022 04:10	2.9	242	14	4.3	0.00
16/10/2022 04:20	3.3	245	12	4.4	0.00
16/10/2022 04:30	3.2	249	9	4.0	0.00
16/10/2022 04:40	3.7	257	9	4.9	0.00
16/10/2022 04:50	3.8	257	9	4.8	0.00
16/10/2022 05:00	3.5	256	9	4.4	0.00
16/10/2022 05:10	3.7	253	10	4.8	0.00
16/10/2022 05:20	3.3	251	11	4.3	0.00
16/10/2022 05:30	3.4	249	11	4.5	0.00
16/10/2022 05:40	2.8	240	12	3.9	0.00
16/10/2022 05:50	1.9	229	10	2.6	0.00
16/10/2022 06:00	1.2	214	19	1.7	0.00
16/10/2022 06:10	0.5	166	28	1.2	0.00
16/10/2022 06:20	1.2	171	25	2.1	0.00
16/10/2022 06:30	2.6	244	12	3.5	0.00
16/10/2022 06:40	3.2	247	14	4.3	0.00
16/10/2022 06:50	3.9	251	13	5.4	0.00
16/10/2022 07:00	4.3	250	12	5.6	0.00
16/10/2022 07:10	4.2	250	12	5.6	0.00
16/10/2022 07:20	4.2	254	10	5.2	0.00
16/10/2022 07:30	4.0	260	11	5.3	0.00
16/10/2022 07:40	3.7	246	11	4.8	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/10/2022 07:50	3.9	252	12	4.8	0.00
16/10/2022 08:00	4.0	253	11	5.3	0.00
16/10/2022 08:10	4.1	251	10	5.2	0.00
16/10/2022 08:20	4.5	259	12	5.6	0.00
16/10/2022 08:30	4.2	259	14	5.4	0.00
16/10/2022 08:40	4.0	253	13	5.4	0.00
16/10/2022 08:50	4.4	253	12	5.4	0.00
16/10/2022 09:00	4.4	258	12	6.1	0.00
16/10/2022 09:10	4.6	264	15	6.3	0.00
16/10/2022 09:20	4.4	263	14	5.9	0.00
16/10/2022 09:30	4.6	258	13	6.4	0.00
16/10/2022 09:40	5.4	261	12	7.0	0.00
16/10/2022 09:50	5.4	257	13	7.2	0.00
16/10/2022 10:00	5.0	257	14	7.0	0.00
16/10/2022 10:10	5.4	256	13	7.3	0.00
16/10/2022 10:20	5.0	267	13	6.8	0.00
16/10/2022 10:30	5.4	269	14	7.1	0.00
16/10/2022 10:40	4.9	272	14	6.8	0.00
16/10/2022 10:50	5.0	267	15	6.8	0.00
16/10/2022 11:00	5.1	267	13	6.6	0.00
16/10/2022 11:10	5.3	271	15	6.7	0.00
16/10/2022 11:20	5.5	274	15	7.1	0.00
16/10/2022 11:30	5.1	267	13	6.8	0.00
16/10/2022 11:40	5.6	266	14	7.5	0.00
16/10/2022 11:50	5.8	266	13	7.8	0.00
16/10/2022 12:00	6.1	269	13	8.4	0.00
16/10/2022 12:10	6.5	268	13	8.7	0.00
16/10/2022 12:20	7.2	264	10	9.4	0.00
16/10/2022 12:30	6.5	265	12	8.5	0.00
16/10/2022 12:40	6.4	269	12	8.4	0.00
16/10/2022 12:50	7.1	264	10	9.2	0.00
16/10/2022 13:00	6.7	265	11	8.9	0.00
16/10/2022 13:10	7.3	266	11	9.3	0.00
16/10/2022 13:20	6.8	263	12	8.5	0.00
16/10/2022 13:30	6.9	262	12	8.9	0.00
16/10/2022 13:40	7.1	263	10	9.9	0.00
16/10/2022 13:50	7.0	263	11	9.6	0.00
16/10/2022 14:00	7.8	264	11	9.9	0.00
16/10/2022 14:10	7.7	264	12	9.8	0.00
16/10/2022 14:20	8.0	264	12	10.9	0.00
16/10/2022 14:30	7.3	264	12	10.1	0.00
16/10/2022 14:40	7.2	263	14	10.0	0.00
16/10/2022 14:50	7.2	265	12	9.6	0.00
16/10/2022 15:00	6.7	258	13	9.8	0.00
16/10/2022 15:10	7.1	259	12	9.4	0.00





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/10/2022 15:20	7.3	259	12	9.9	0.00
16/10/2022 15:30	7.3	258	12	10.6	0.00
16/10/2022 15:40	6.7	255	13	9.4	0.00
16/10/2022 15:50	6.7	257	14	8.9	0.00
16/10/2022 16:00	6.2	261	12	8.7	0.00
16/10/2022 16:10	6.4	257	13	9.0	0.00
16/10/2022 16:20	6.3	259	12	9.1	0.00
16/10/2022 16:30	6.6	258	13	8.8	0.00
16/10/2022 16:40	6.9	260	13	9.8	0.00
16/10/2022 16:50	7.0	261	10	9.2	0.00
16/10/2022 17:00	7.2	260	12	9.5	0.00
16/10/2022 17:10	6.7	258	13	8.6	0.00
16/10/2022 17:20	7.1	259	12	9.5	0.00
16/10/2022 17:30	6.6	255	11	9.3	0.00
16/10/2022 17:40	7.3	257	12	10.3	0.00
16/10/2022 17:50	6.5	260	12	8.8	0.00
16/10/2022 18:00	6.8	258	12	9.4	0.00
16/10/2022 18:10	6.1	260	11	8.2	0.00
16/10/2022 18:20	6.2	257	11	8.4	0.00
16/10/2022 18:30	6.8	258	13	9.2	0.00
16/10/2022 18:40	6.4	255	11	8.6	0.00
16/10/2022 18:50	6.1	256	12	8.2	0.00
16/10/2022 19:00	6.1	255	12	8.6	0.00
16/10/2022 19:10	6.2	257	11	8.4	0.00
16/10/2022 19:20	6.0	257	12	8.4	0.00
16/10/2022 19:30	6.4	257	11	9.1	0.00
16/10/2022 19:40	5.6	255	11	7.7	0.00
16/10/2022 19:50	5.4	254	14	7.8	0.00
16/10/2022 20:00	6.1	254	11	8.8	0.00
16/10/2022 20:10	5.7	250	12	7.9	0.00
16/10/2022 20:20	6.3	254	12	8.7	0.00
16/10/2022 20:30	5.7	254	11	8.2	0.00
16/10/2022 20:40	6.0	255	12	8.4	0.00
16/10/2022 20:50	6.1	254	12	8.6	0.00
16/10/2022 21:00	5.6	256	11	7.8	0.00
16/10/2022 21:10	6.0	255	11	7.9	0.00
16/10/2022 21:20	5.8	252	13	8.7	0.00
16/10/2022 21:30	5.8	245	13	8.4	0.00
16/10/2022 21:40	5.0	253	12	7.4	0.00
16/10/2022 21:50	5.6	254	12	7.9	0.00
16/10/2022 22:00	5.2	250	12	6.9	0.00
16/10/2022 22:10	5.8	253	13	8.3	0.00
16/10/2022 22:20	5.1	253	13	7.2	0.00
16/10/2022 22:30	5.4	254	12	7.0	0.00
16/10/2022 22:40	5.0	253	14	7.6	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/10/2022 22:50	5.6	249	13	7.9	0.00
16/10/2022 23:00	5.4	245	12	8.3	0.00
16/10/2022 23:10	5.4	246	11	7.9	0.00
16/10/2022 23:20	5.6	247	15	8.4	0.00
16/10/2022 23:30	5.1	252	13	7.5	0.00
16/10/2022 23:40	4.9	249	11	7.9	0.00
16/10/2022 23:50	5.3	249	12	8.3	0.00
17/10/2022 00:00	6.1	250	14	8.9	0.00
17/10/2022 00:10	5.1	242	14	7.1	0.00
17/10/2022 00:20	5.2	246	12	7.1	0.00
17/10/2022 00:30	4.8	248	13	6.9	0.00
17/10/2022 00:40	5.1	246	12	6.7	0.00
17/10/2022 00:50	4.0	240	13	6.0	0.00
17/10/2022 01:00	4.5	244	12	6.4	0.00
17/10/2022 01:10	4.7	247	12	7.1	0.00
17/10/2022 01:20	4.2	247	13	6.2	0.00
17/10/2022 01:30	4.2	246	14	6.2	0.00
17/10/2022 01:40	4.7	247	12	6.4	0.00
17/10/2022 01:50	5.0	246	13	7.1	0.00
17/10/2022 02:00	4.7	246	11	7.1	0.00
17/10/2022 02:10	4.0	247	12	6.8	0.00
17/10/2022 02:20	4.2	248	12	6.6	0.00
17/10/2022 02:30	4.7	245	11	6.4	0.00
17/10/2022 02:40	4.3	250	12	6.0	0.00
17/10/2022 02:50	4.0	247	12	5.9	0.00
17/10/2022 03:00	4.4	249	13	6.1	0.00
17/10/2022 03:10	4.5	247	11	6.7	0.00
17/10/2022 03:20	3.7	251	11	4.9	0.00
17/10/2022 03:30	3.9	251	11	5.2	0.00
17/10/2022 03:40	3.5	251	11	4.8	0.00
17/10/2022 03:50	3.1	248	12	4.4	0.00
17/10/2022 04:00	3.3	250	12	4.2	0.00
17/10/2022 04:10	3.4	250	12	4.8	0.00
17/10/2022 04:20	3.1	248	11	4.3	0.00
17/10/2022 04:30	3.6	256	11	4.6	0.00
17/10/2022 04:40	3.4	250	11	4.5	0.00
17/10/2022 04:50	3.1	250	10	4.0	0.00
17/10/2022 05:00	2.5	246	13	3.7	0.00
17/10/2022 05:10	2.4	234	20	4.0	0.00
17/10/2022 05:20	3.2	230	17	5.0	0.00
17/10/2022 05:30	3.2	225	20	4.8	0.00
17/10/2022 05:40	3.6	226	17	5.2	0.00
17/10/2022 05:50	3.5	221	17	5.4	0.00
17/10/2022 06:00	2.8	220	23	4.1	0.00
17/10/2022 06:10	3.3	221	20	4.6	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/10/2022 06:20	3.6	216	19	5.4	0.00
17/10/2022 06:30	3.4	216	30	4.9	0.00
17/10/2022 06:40	3.6	216	26	4.8	0.00
17/10/2022 06:50	3.2	219	30	5.2	0.00
17/10/2022 07:00	3.3	214	32	5.0	0.00
17/10/2022 07:10	3.1	226	41	4.9	0.00
17/10/2022 07:20	3.3	217	44	5.4	0.00
17/10/2022 07:30	2.8	223	58	4.4	0.00
17/10/2022 07:40	2.7	228	57	4.9	0.00
17/10/2022 07:50	2.2	164	99	4.4	0.00
17/10/2022 08:00	1.9	31	82	3.1	0.00
17/10/2022 08:10	2.1	264	93	3.5	0.00
17/10/2022 08:20	2.2	211	94	4.2	0.00
17/10/2022 08:30	2.1	215	86	3.9	0.00
17/10/2022 08:40	2.2	164	67	4.0	0.00
17/10/2022 08:50	1.7	180	74	3.5	0.00
17/10/2022 09:00	1.6	164	82	2.7	0.00
17/10/2022 09:10	2.4	192	62	4.2	0.00
17/10/2022 09:20	2.5	224	66	4.6	0.00
17/10/2022 09:30	2.6	178	70	4.8	0.00
17/10/2022 09:40	2.4	237	63	4.6	0.00
17/10/2022 09:50	2.6	210	55	4.7	0.00
17/10/2022 10:00	2.1	148	76	3.8	0.00
17/10/2022 10:10	3.3	188	46	5.6	0.00
17/10/2022 10:20	2.9	194	58	5.3	0.00
17/10/2022 10:30	3.1	211	44	4.6	0.00
17/10/2022 10:40	2.3	197	67	4.8	0.00
17/10/2022 10:50	3.6	225	26	6.0	0.00
17/10/2022 11:00	2.2	157	67	4.3	0.00
17/10/2022 11:10	2.6	223	57	4.3	0.00
17/10/2022 11:20	2.2	177	71	4.0	0.00
17/10/2022 11:30	2.5	143	34	4.0	0.00
17/10/2022 11:40	2.3	153	50	4.2	0.00
17/10/2022 11:50	2.5	225	45	4.2	0.00
17/10/2022 12:00	2.8	179	46	4.8	0.00
17/10/2022 12:10	2.2	147	52	4.0	0.00
17/10/2022 12:20	3.9	268	29	5.7	0.00
17/10/2022 12:30	4.5	273	16	6.2	0.00
17/10/2022 12:40	4.8	264	15	6.4	0.00
17/10/2022 12:50	4.2	264	17	5.8	0.00
17/10/2022 13:00	4.5	294	17	6.0	0.00
17/10/2022 13:10	4.7	301	14	6.0	0.00
17/10/2022 13:20	5.0	300	14	7.1	0.00
17/10/2022 13:30	5.6	296	12	7.5	0.00
17/10/2022 13:40	5.9	294	12	7.7	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/10/2022 13:50	6.5	293	13	8.5	0.00
17/10/2022 14:00	5.8	291	12	8.0	0.00
17/10/2022 14:10	5.2	288	15	7.4	0.00
17/10/2022 14:20	6.0	295	12	8.0	0.00
17/10/2022 14:30	5.7	296	13	7.9	0.00
17/10/2022 14:40	5.0	297	12	6.9	0.00
17/10/2022 14:50	6.1	291	12	8.0	0.00
17/10/2022 15:00	5.2	290	12	7.1	0.00
17/10/2022 15:10	5.3	293	15	7.1	0.00
17/10/2022 15:20	5.4	300	10	7.5	0.00
17/10/2022 15:30	5.9	298	9	7.5	0.00
17/10/2022 15:40	5.8	294	12	7.9	0.00
17/10/2022 15:50	5.8	297	10	7.8	0.00
17/10/2022 16:00	4.7	291	15	6.4	0.00
17/10/2022 16:10	4.7	293	12	6.2	0.00
17/10/2022 16:20	4.7	288	16	6.8	0.00
17/10/2022 16:30	4.3	291	15	5.6	0.00
17/10/2022 16:40	4.6	287	14	6.1	0.00
17/10/2022 16:50	3.6	285	16	4.9	0.00
17/10/2022 17:00	3.8	270	14	5.3	0.00
17/10/2022 17:10	4.3	275	15	5.8	0.00
17/10/2022 17:20	4.1	281	15	5.6	0.00
17/10/2022 17:30	3.7	289	15	5.4	0.00
17/10/2022 17:40	3.5	290	15	4.9	0.00
17/10/2022 17:50	3.3	286	14	4.3	0.00
17/10/2022 18:00	3.8	273	14	5.4	0.00
17/10/2022 18:10	4.3	266	13	6.1	0.00
17/10/2022 18:20	4.1	270	14	6.0	0.00
17/10/2022 18:30	2.7	281	15	4.0	0.00
17/10/2022 18:40	2.2	283	18	3.3	0.00
17/10/2022 18:50	3.1	278	19	4.4	0.00
17/10/2022 19:00	3.8	289	14	5.5	0.00
17/10/2022 19:10	3.8	291	16	5.8	0.00
17/10/2022 19:20	3.2	283	19	4.8	0.00
17/10/2022 19:30	3.3	278	16	4.8	0.00
17/10/2022 19:40	4.1	275	13	5.6	0.00
17/10/2022 19:50	3.8	272	14	5.2	0.00
17/10/2022 20:00	3.8	266	12	4.7	0.00
17/10/2022 20:10	4.6	264	11	6.1	0.00
17/10/2022 20:20	4.0	269	11	5.0	0.00
17/10/2022 20:30	3.5	268	13	4.6	0.00
17/10/2022 20:40	3.3	269	13	4.7	0.00
17/10/2022 20:50	3.0	261	11	4.2	0.00
17/10/2022 21:00	2.9	261	11	3.8	0.00
17/10/2022 21:10	2.2	265	14	3.3	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/10/2022 21:20	1.3	288	8	1.7	0.00
17/10/2022 21:30	1.5	273	8	2.1	0.00
17/10/2022 21:40	1.6	266	10	2.1	0.00
17/10/2022 21:50	0.6	274	18	1.3	0.00
17/10/2022 22:00	0.2	199	13	0.8	0.00
17/10/2022 22:10	0.4	250	41	1.1	0.00
17/10/2022 22:20	0.3	300	8	1.2	0.00
17/10/2022 22:30	0.8	261	19	1.2	0.00
17/10/2022 22:40	1.2	256	19	1.9	0.00
17/10/2022 22:50	0.3	274	10	1.0	0.00
17/10/2022 23:00	0.7	308	15	1.2	0.00
17/10/2022 23:10	0.7	238	51	1.6	0.00
17/10/2022 23:20	1.7	141	40	2.9	0.00
17/10/2022 23:30	2.2	145	32	3.1	0.00
17/10/2022 23:40	2.5	144	22	3.5	0.00
17/10/2022 23:50	2.9	137	17	4.3	0.00
18/10/2022 00:00	3.0	131	14	4.7	0.00
18/10/2022 00:10	3.1	134	14	4.3	0.00
18/10/2022 00:20	3.3	134	16	4.9	0.00
18/10/2022 00:30	3.4	134	16	4.9	0.00
18/10/2022 00:40	3.5	134	14	4.9	0.00
18/10/2022 00:50	2.6	125	15	3.9	0.00
18/10/2022 01:00	2.2	121	12	3.3	0.00
18/10/2022 01:10	2.0	117	13	2.8	0.00
18/10/2022 01:20	2.1	118	12	3.0	0.00
18/10/2022 01:30	2.6	124	14	3.9	0.00
18/10/2022 01:40	2.6	122	12	4.0	0.00
18/10/2022 01:50	2.7	120	13	4.2	0.00
18/10/2022 02:00	2.7	116	11	3.7	0.00
18/10/2022 02:10	2.7	119	13	4.4	0.00
18/10/2022 02:20	2.8	117	14	3.8	0.00
18/10/2022 02:30	2.7	121	13	3.6	0.00
18/10/2022 02:40	2.6	123	13	3.7	0.00
18/10/2022 02:50	2.4	122	13	3.6	0.00
18/10/2022 03:00	2.1	113	10	2.8	0.00
18/10/2022 03:10	2.5	103	9	3.4	0.00
18/10/2022 03:20	2.7	108	8	3.8	0.00
18/10/2022 03:30	2.8	113	9	3.6	0.00
18/10/2022 03:40	2.7	109	9	3.4	0.00
18/10/2022 03:50	2.7	107	8	3.8	0.00
18/10/2022 04:00	3.1	101	10	4.4	0.00
18/10/2022 04:10	3.3	91	9	4.3	0.00
18/10/2022 04:20	3.3	92	10	4.2	0.00
18/10/2022 04:30	3.5	92	10	4.5	0.00
18/10/2022 04:40	3.5	94	9	4.8	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/10/2022 04:50	3.8	94	10	5.0	0.00
18/10/2022 05:00	4.1	94	9	5.3	0.00
18/10/2022 05:10	4.3	93	11	5.7	0.00
18/10/2022 05:20	4.4	93	9	5.9	0.00
18/10/2022 05:30	5.0	96	10	6.8	0.00
18/10/2022 05:40	4.9	95	11	6.8	0.00
18/10/2022 05:50	5.0	92	10	7.2	0.00
18/10/2022 06:00	5.3	94	10	7.6	0.00
18/10/2022 06:10	5.9	87	10	7.5	0.00
18/10/2022 06:20	6.2	88	9	7.9	0.00
18/10/2022 06:30	5.9	88	10	8.2	0.00
18/10/2022 06:40	6.4	89	10	8.5	0.00
18/10/2022 06:50	6.8	87	10	9.2	0.00
18/10/2022 07:00	7.5	87	8	9.5	0.00
18/10/2022 07:10	7.3	89	12	9.6	0.00
18/10/2022 07:20	7.6	95	11	10.5	0.00
18/10/2022 07:30	7.5	95	11	9.7	0.00
18/10/2022 07:40	8.4	95	12	11.9	0.00
18/10/2022 07:50	7.6	92	12	10.5	0.00
18/10/2022 08:00	8.9	94	11	12.4	0.00
18/10/2022 08:10	9.1	89	12	12.3	0.00
18/10/2022 08:20	8.9	89	11	11.6	0.00
18/10/2022 08:30	9.3	88	10	12.5	0.00
18/10/2022 08:40	9.6	87	11	13.4	0.00
18/10/2022 08:50	9.8	89	12	13.2	0.00
18/10/2022 09:00	9.0	90	11	12.3	0.00
18/10/2022 09:10	9.1	88	11	12.3	0.00
18/10/2022 09:20	9.1	87	13	12.7	0.00
18/10/2022 09:30	8.5	88	13	12.3	0.00
18/10/2022 09:40	9.3	84	11	12.5	0.00
18/10/2022 09:50	7.7	90	14	10.5	0.00
18/10/2022 10:00	8.5	83	12	12.8	0.00
18/10/2022 10:10	8.1	86	12	11.3	0.00
18/10/2022 10:20	8.6	82	12	11.7	0.00
18/10/2022 10:30	8.9	79	11	11.8	0.00
18/10/2022 10:40	8.8	79	11	12.5	0.00
18/10/2022 10:50	8.3	79	11	11.6	0.00
18/10/2022 11:00	9.0	80	11	11.8	0.00
18/10/2022 11:10	8.8	79	11	12.6	0.00
18/10/2022 11:20	8.1	79	11	10.9	0.00
18/10/2022 11:30	7.8	79	11	9.9	0.00
18/10/2022 11:40	8.5	81	12	11.4	0.00
18/10/2022 11:50	8.8	81	11	11.4	0.00
18/10/2022 12:00	8.3	84	11	11.7	0.00
18/10/2022 12:10	8.1	74	11	10.9	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/10/2022 12:20	7.8	75	12	10.6	0.00
18/10/2022 12:30	7.4	72	13	10.4	0.00
18/10/2022 12:40	6.8	63	11	9.0	0.00
18/10/2022 12:50	6.9	61	13	9.5	0.00
18/10/2022 13:00	6.6	64	14	9.6	0.00
18/10/2022 13:10	6.4	64	13	8.5	0.00
18/10/2022 13:20	6.1	62	13	8.3	0.00
18/10/2022 13:30	6.5	65	14	8.7	0.00
18/10/2022 13:40	6.8	73	12	9.5	0.00
18/10/2022 13:50	6.1	60	12	8.5	0.00
18/10/2022 14:00	6.2	51	13	8.4	0.00
18/10/2022 14:10	6.4	53	11	8.3	0.00
18/10/2022 14:20	6.1	53	14	7.7	0.00
18/10/2022 14:30	5.7	58	15	7.8	0.00
18/10/2022 14:40	5.9	60	13	7.9	0.00
18/10/2022 14:50	6.0	64	11	8.3	0.00
18/10/2022 15:00	5.5	60	12	7.6	0.00
18/10/2022 15:10	5.6	58	16	7.5	0.00
18/10/2022 15:20	5.5	53	15	7.1	0.00
18/10/2022 15:30	5.5	74	14	7.5	0.00
18/10/2022 15:40	4.9	72	12	6.8	0.00
18/10/2022 15:50	4.6	68	13	6.5	0.00
18/10/2022 16:00	4.1	62	18	5.6	0.00
18/10/2022 16:10	3.6	31	20	5.6	0.00
18/10/2022 16:20	3.4	32	20	5.4	0.00
18/10/2022 16:30	3.7	44	16	5.4	0.00
18/10/2022 16:40	4.2	42	13	5.5	0.00
18/10/2022 16:50	4.2	43	12	5.4	0.00
18/10/2022 17:00	3.0	17	23	5.2	0.00
18/10/2022 17:10	3.3	182	19	4.9	0.00
18/10/2022 17:20	3.6	179	18	5.1	0.00
18/10/2022 17:30	3.5	182	17	5.0	0.00
18/10/2022 17:40	3.2	181	18	4.4	0.00
18/10/2022 17:50	3.5	179	16	5.0	0.00
18/10/2022 18:00	3.4	2	16	4.5	0.00
18/10/2022 18:10	3.7	182	14	5.1	0.00
18/10/2022 18:20	3.8	356	19	5.5	0.00
18/10/2022 18:30	4.4	350	17	6.9	0.00
18/10/2022 18:40	4.6	352	18	6.5	0.00
18/10/2022 18:50	4.2	356	14	5.7	0.00
18/10/2022 19:00	4.2	353	17	5.8	0.00
18/10/2022 19:10	4.4	352	14	5.8	0.00
18/10/2022 19:20	3.6	9	17	4.9	0.00
18/10/2022 19:30	3.6	13	15	5.0	0.00
18/10/2022 19:40	3.7	14	15	5.2	0.00



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/10/2022 19:50	3.6	13	13	5.2	0.00
18/10/2022 20:00	3.3	13	16	4.8	0.00
18/10/2022 20:10	3.4	13	17	4.8	0.00
18/10/2022 20:20	3.0	17	17	4.4	0.00
18/10/2022 20:30	3.6	20	15	5.0	0.00
18/10/2022 20:40	3.0	7	18	4.8	0.00
18/10/2022 20:50	3.6	0	17	5.1	0.00
18/10/2022 21:00	3.3	2	17	5.6	0.00
18/10/2022 21:10	2.8	8	17	3.9	0.00
18/10/2022 21:20	3.5	4	14	5.5	0.00
18/10/2022 21:30	3.8	179	19	5.6	0.00
18/10/2022 21:40	3.6	3	16	5.0	0.00
18/10/2022 21:50	3.7	3	14	5.2	0.00
18/10/2022 22:00	3.9	182	15	5.6	0.00
18/10/2022 22:10	3.8	3	15	5.2	0.00
18/10/2022 22:20	3.5	5	16	4.8	0.00
18/10/2022 22:30	2.9	13	17	4.3	0.00
18/10/2022 22:40	2.9	11	18	4.0	0.00
18/10/2022 22:50	2.4	17	19	3.9	0.00
18/10/2022 23:00	2.1	40	19	3.0	0.00
18/10/2022 23:10	1.4	178	54	2.8	0.00
18/10/2022 23:20	1.1	187	43	1.7	0.00
18/10/2022 23:30	0.7	165	35	1.2	0.00
18/10/2022 23:40	1.0	203	47	1.6	0.00
18/10/2022 23:50	0.1	248	3	0.9	0.00
19/10/2022 00:00	1.2	273	18	1.7	0.00
19/10/2022 00:10	1.0	214	23	1.6	0.00
19/10/2022 00:20	0.8	127	45	1.4	0.00
19/10/2022 00:30	0.5	282	56	1.3	0.00
19/10/2022 00:40	0.5	284	31	1.1	0.00
19/10/2022 00:50	0.4	219	16	1.2	0.00
19/10/2022 01:00	0.6	215	41	1.0	0.00
19/10/2022 01:10	0.0	216	0	0.4	0.00
19/10/2022 01:20	0.0	116	9	0.5	0.00
19/10/2022 01:30	1.1	271	14	1.9	0.00
19/10/2022 01:40	0.5	250	23	1.3	0.00
19/10/2022 01:50	0.3	265	5	0.8	0.00
19/10/2022 02:00	0.3	272	10	0.8	0.00
19/10/2022 02:10	0.9	157	34	1.4	0.00
19/10/2022 02:20					0.00
19/10/2022 02:30	0.7	269	9	1.2	0.00
19/10/2022 02:40	0.9	295	6	1.2	0.00
19/10/2022 02:50	1.1	287	7	1.9	0.00
19/10/2022 03:00	0.8	291	13	1.1	0.00
19/10/2022 03:10	1.0	257	16	1.5	0.00





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/10/2022 03:20	1.1	286	13	1.3	0.00
19/10/2022 03:30	0.7	292	13	1.0	0.00
19/10/2022 03:40	0.5	273	6	0.9	0.00
19/10/2022 03:50	0.1	252	3	0.7	0.00
19/10/2022 04:00					0.00
19/10/2022 04:10	0.3	87	9	0.8	0.00
19/10/2022 04:20	1.0	303	5	1.3	0.00
19/10/2022 04:30	0.6	308	16	0.9	0.00
19/10/2022 04:40	0.9	270	11	1.3	0.00
19/10/2022 04:50	1.0	247	14	1.2	0.00
19/10/2022 05:00	0.8	228	10	1.4	0.00
19/10/2022 05:10	0.2	230	4	0.6	0.00
19/10/2022 05:20	0.4	75	37	0.8	0.00
19/10/2022 05:30	0.4	280	41	0.8	0.00
19/10/2022 05:40	0.6	179	29	1.1	0.00
19/10/2022 05:50	0.9	235	20	1.3	0.00
19/10/2022 06:00	1.0	239	16	1.6	0.00
19/10/2022 06:10	0.0	115	0	0.4	0.00
19/10/2022 06:20	0.1	101	5	0.4	0.00
19/10/2022 06:30	0.3	202	18	1.0	0.00
19/10/2022 06:40	0.7	145	21	1.1	0.00
19/10/2022 06:50	1.0	146	23	1.6	0.00
19/10/2022 07:00	1.4	137	31	2.4	0.00
19/10/2022 07:10	1.8	133	46	3.0	0.00
19/10/2022 07:20	1.8	121	21	2.4	0.00
19/10/2022 07:30	2.2	129	18	3.0	0.00
19/10/2022 07:40	2.8	109	16	4.1	0.00
19/10/2022 07:50	3.0	96	15	4.1	0.00
19/10/2022 08:00	3.2	95	12	4.4	0.00
19/10/2022 08:10	2.7	117	16	3.8	0.00
19/10/2022 08:20	3.0	127	15	4.2	0.00
19/10/2022 08:30	2.8	122	19	4.0	0.00
19/10/2022 08:40	2.9	122	18	4.0	0.00
19/10/2022 08:50	3.2	112	15	4.6	0.00
19/10/2022 09:00	3.2	103	16	4.4	0.00
19/10/2022 09:10	3.2	112	16	4.4	0.00
19/10/2022 09:20	3.3	108	16	4.6	0.00
19/10/2022 09:30	3.0	114	19	4.2	0.00
19/10/2022 09:40	2.8	76	20	4.3	0.00
19/10/2022 09:50	2.6	85	22	4.0	0.00
19/10/2022 10:00	2.5	85	26	4.0	0.00
19/10/2022 10:10	2.6	72	23	3.9	0.00
19/10/2022 10:20	2.3	80	28	3.7	0.00
19/10/2022 10:30	1.9	70	30	3.1	0.00
19/10/2022 10:40	1.9	87	28	2.8	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/10/2022 10:50	2.8	200	59	4.4	0.00
19/10/2022 11:00	3.5	301	22	5.2	0.00
19/10/2022 11:10	3.1	303	27	4.7	0.00
19/10/2022 11:20	3.3	257	61	6.0	0.00
19/10/2022 11:30	2.3	340	50	4.4	0.00
19/10/2022 11:40	3.1	345	23	4.8	0.00
19/10/2022 11:50	3.0	353	15	4.2	0.00
19/10/2022 12:00	3.3	345	25	4.9	0.00
19/10/2022 12:10	3.6	163	22	5.8	0.00
19/10/2022 12:20	3.7	308	14	5.2	0.00
19/10/2022 12:30	2.9	174	26	4.9	0.00
19/10/2022 12:40	3.2	180	21	4.8	0.00
19/10/2022 12:50	3.5	7	20	4.8	0.00
19/10/2022 13:00	3.7	177	15	4.9	0.00
19/10/2022 13:10	3.5	357	20	5.0	0.00
19/10/2022 13:20	4.0	349	16	5.4	0.00
19/10/2022 13:30	3.6	8	20	5.2	0.00
19/10/2022 13:40	3.0	23	19	4.4	0.00
19/10/2022 13:50	2.9	23	22	4.4	0.00
19/10/2022 14:00	3.1	1	23	4.4	0.00
19/10/2022 14:10	2.9	190	22	4.3	0.00
19/10/2022 14:20	3.0	24	19	4.4	0.00
19/10/2022 14:30	2.8	19	23	4.8	0.00
19/10/2022 14:40	3.2	345	19	4.6	0.00
19/10/2022 14:50	3.0	349	22	4.5	0.00
19/10/2022 15:00	3.4	349	20	4.5	0.00
19/10/2022 15:10	3.3	347	18	4.5	0.00
19/10/2022 15:20	3.3	356	17	4.5	0.00
19/10/2022 15:30	3.1	178	22	4.2	0.00
19/10/2022 15:40	3.1	353	20	4.8	0.00
19/10/2022 15:50	3.2	358	19	4.3	0.00
19/10/2022 16:00	3.2	5	19	4.4	0.00
19/10/2022 16:10	3.1	180	20	4.7	0.00
19/10/2022 16:20	2.9	181	20	4.1	0.00
19/10/2022 16:30	3.3	342	16	4.8	0.00
19/10/2022 16:40	2.9	179	16	4.3	0.00
19/10/2022 16:50	3.1	358	16	4.1	0.00
19/10/2022 17:00	2.7	178	17	3.9	0.00
19/10/2022 17:10	2.4	185	21	3.2	0.00
19/10/2022 17:20	2.4	180	19	3.3	0.00
19/10/2022 17:30	2.7	6	18	3.9	0.00
19/10/2022 17:40	2.5	355	16	3.5	0.00
19/10/2022 17:50	2.6	355	19	4.0	0.00
19/10/2022 18:00	2.9	350	18	4.2	0.00
19/10/2022 18:10	3.0	348	17	4.1	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/10/2022 18:20	2.9	342	14	4.0	0.00
19/10/2022 18:30	2.5	352	16	3.4	0.00
19/10/2022 18:40	2.4	22	17	3.5	0.00
19/10/2022 18:50	1.8	42	19	2.8	0.00
19/10/2022 19:00	1.0	217	76	1.8	0.00
19/10/2022 19:10	1.1	215	68	2.3	0.00
19/10/2022 19:20	2.0	330	33	3.2	0.00
19/10/2022 19:30	1.8	304	27	2.8	0.00
19/10/2022 19:40	1.9	311	26	3.0	0.00
19/10/2022 19:50	2.1	305	20	3.5	0.00
19/10/2022 20:00	1.9	306	32	3.6	0.00
19/10/2022 20:10	2.1	311	23	3.3	0.00
19/10/2022 20:20	1.6	302	31	2.9	0.00
19/10/2022 20:30	0.6	184	61	1.3	0.00
19/10/2022 20:40	1.1	198	53	2.0	0.00
19/10/2022 20:50	1.3	255	45	2.8	0.00
19/10/2022 21:00	2.6	253	14	3.6	0.00
19/10/2022 21:10	2.2	234	18	3.2	0.00
19/10/2022 21:20	2.4	238	17	3.6	0.00
19/10/2022 21:30	2.2	254	18	3.2	0.00
19/10/2022 21:40	3.2	256	12	4.5	0.00
19/10/2022 21:50	3.6	258	9	4.4	0.00
19/10/2022 22:00	3.3	255	11	4.2	0.00
19/10/2022 22:10	3.6	258	10	4.6	0.00
19/10/2022 22:20	3.3	252	11	4.4	0.00
19/10/2022 22:30	3.7	254	11	4.8	0.00
19/10/2022 22:40	3.4	256	10	4.3	0.00
19/10/2022 22:50	3.5	249	9	4.7	0.00
19/10/2022 23:00	3.3	250	9	4.2	0.00
19/10/2022 23:10	3.2	254	10	4.0	0.00
19/10/2022 23:20	3.0	257	9	4.0	0.00
19/10/2022 23:30	3.2	251	10	4.1	0.00
19/10/2022 23:40	3.4	255	9	4.3	0.00
19/10/2022 23:50	3.2	255	8	4.0	0.00
20/10/2022 00:00	3.1	252	10	3.8	0.00
20/10/2022 00:10	3.0	256	9	3.7	0.00
20/10/2022 00:20	3.0	252	11	3.9	0.00
20/10/2022 00:30	3.0	251	11	4.0	0.00
20/10/2022 00:40	2.9	255	9	3.6	0.00
20/10/2022 00:50	2.9	248	11	4.0	0.00
20/10/2022 01:00	2.8	247	11	3.8	0.00
20/10/2022 01:10	2.8	249	10	3.9	0.00
20/10/2022 01:20	3.0	252	12	4.0	0.00
20/10/2022 01:30	3.1	246	12	4.2	0.00
20/10/2022 01:40	2.8	243	11	4.2	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/10/2022 01:50	2.7	243	14	3.9	0.00
20/10/2022 02:00	3.0	243	11	4.0	0.00
20/10/2022 02:10	2.9	244	11	3.9	0.00
20/10/2022 02:20	2.8	244	13	4.0	0.00
20/10/2022 02:30	3.2	242	14	4.6	0.00
20/10/2022 02:40	3.3	245	12	5.0	0.00
20/10/2022 02:50	3.7	247	11	5.0	0.00
20/10/2022 03:00	3.3	244	10	4.7	0.00
20/10/2022 03:10	3.3	247	11	4.6	0.00
20/10/2022 03:20	2.8	244	12	4.1	0.00
20/10/2022 03:30	2.9	242	12	4.5	0.00
20/10/2022 03:40	3.4	238	14	5.2	0.00
20/10/2022 03:50	2.5	239	14	3.5	0.00
20/10/2022 04:00	2.7	237	13	3.6	0.00
20/10/2022 04:10	3.5	246	11	4.4	0.00
20/10/2022 04:20	3.2	244	10	4.8	0.00
20/10/2022 04:30	2.8	234	16	4.0	0.00
20/10/2022 04:40	2.8	231	16	4.3	0.00
20/10/2022 04:50	3.1	229	14	4.7	0.00
20/10/2022 05:00	2.9	227	13	4.3	0.00
20/10/2022 05:10	3.2	229	14	4.6	0.00
20/10/2022 05:20	2.8	233	13	3.8	0.00
20/10/2022 05:30	2.7	232	12	4.0	0.00
20/10/2022 05:40	2.3	233	16	3.3	0.00
20/10/2022 05:50	2.5	232	15	3.6	0.00
20/10/2022 06:00	2.3	228	13	3.0	0.00
20/10/2022 06:10	2.5	229	13	3.6	0.00
20/10/2022 06:20	2.4	228	15	3.3	0.00
20/10/2022 06:30	2.6	220	17	3.6	0.00
20/10/2022 06:40	2.7	221	18	3.6	0.00
20/10/2022 06:50	2.9	222	17	4.0	0.00
20/10/2022 07:00	2.5	218	38	3.5	0.00
20/10/2022 07:10	2.2	218	44	3.5	0.00
20/10/2022 07:20	2.8	219	29	3.9	0.00
20/10/2022 07:30	2.9	220	20	4.0	0.00
20/10/2022 07:40	2.1	224	49	3.6	0.00
20/10/2022 07:50	1.6	191	62	2.9	0.00
20/10/2022 08:00	2.1	228	21	2.9	0.00
20/10/2022 08:10	1.6	167	57	3.0	0.00
20/10/2022 08:20	1.9	193	36	2.8	0.00
20/10/2022 08:30	2.1	225	23	3.5	0.00
20/10/2022 08:40	1.8	214	52	2.9	0.00
20/10/2022 08:50	1.9	211	41	3.4	0.00
20/10/2022 09:00	1.5	211	51	3.0	0.00
20/10/2022 09:10	2.5	231	28	4.3	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/10/2022 09:20	2.8	233	20	4.2	0.00
20/10/2022 09:30	2.7	241	16	3.7	0.00
20/10/2022 09:40	2.3	243	16	3.6	0.00
20/10/2022 09:50	2.5	258	20	3.3	0.00
20/10/2022 10:00	2.1	242	23	3.2	0.00
20/10/2022 10:10	3.1	241	16	4.0	0.00
20/10/2022 10:20	3.1	242	20	4.4	0.00
20/10/2022 10:30	3.7	263	13	4.6	0.00
20/10/2022 10:40	4.0	270	15	5.0	0.00
20/10/2022 10:50	4.3	274	15	5.6	0.00
20/10/2022 11:00	4.1	267	18	5.3	0.00
20/10/2022 11:10	4.1	268	13	5.3	0.00
20/10/2022 11:20	4.2	265	14	5.4	0.00
20/10/2022 11:30	4.0	271	15	5.6	0.00
20/10/2022 11:40	4.8	263	11	5.8	0.00
20/10/2022 11:50	4.6	267	11	5.8	0.00
20/10/2022 12:00	4.6	267	14	5.5	0.00
20/10/2022 12:10	4.3	267	16	5.9	0.00
20/10/2022 12:20	4.3	263	12	5.5	0.00
20/10/2022 12:30	4.2	256	17	5.4	0.00
20/10/2022 12:40	4.2	259	14	5.5	0.00
20/10/2022 12:50	4.1	260	14	5.2	0.00
20/10/2022 13:00	4.4	252	11	5.6	0.00
20/10/2022 13:10	4.4	258	13	5.9	0.00
20/10/2022 13:20	4.4	269	17	5.5	0.00
20/10/2022 13:30	4.5	263	13	5.7	0.00
20/10/2022 13:40	4.7	263	9	6.0	0.00
20/10/2022 13:50	5.1	262	8	6.2	0.00
20/10/2022 14:00	4.7	264	10	5.9	0.00
20/10/2022 14:10	4.6	260	9	5.3	0.00
20/10/2022 14:20	4.7	258	11	5.9	0.00
20/10/2022 14:30	4.7	259	14	6.0	0.00
20/10/2022 14:40	4.6	261	13	5.7	0.00
20/10/2022 14:50	5.0	258	11	6.0	0.00
20/10/2022 15:00	4.9	262	11	6.2	0.00
20/10/2022 15:10	5.2	258	10	6.5	0.00
20/10/2022 15:20	5.5	260	10	6.8	0.00
20/10/2022 15:30	5.4	261	10	6.8	0.00
20/10/2022 15:40	5.3	260	12	6.8	0.00
20/10/2022 15:50	5.9	262	10	7.2	0.00
20/10/2022 16:00	5.4	260	13	6.9	0.00
20/10/2022 16:10	5.4	262	12	7.2	0.00
20/10/2022 16:20	5.5	260	12	6.9	0.00
20/10/2022 16:30	6.2	259	9	7.5	0.00
20/10/2022 16:40	5.4	255	10	7.0	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/10/2022 16:50	5.2	261	11	7.2	0.00
20/10/2022 17:00	5.5	255	12	7.3	0.00
20/10/2022 17:10	5.4	259	11	7.1	0.00
20/10/2022 17:20	5.7	263	11	8.0	0.00
20/10/2022 17:30	5.4	260	11	7.5	0.00
20/10/2022 17:40	4.9	262	12	6.3	0.00
20/10/2022 17:50	5.0	258	11	6.6	0.00
20/10/2022 18:00	5.6	264	11	7.2	0.00
20/10/2022 18:10	5.6	266	9	6.8	0.00
20/10/2022 18:20	5.5	265	8	7.0	0.00
20/10/2022 18:30	4.9	262	9	6.3	0.00
20/10/2022 18:40	4.3	270	13	5.8	0.00
20/10/2022 18:50	5.2	261	10	6.6	0.00
20/10/2022 19:00	4.9	262	10	6.4	0.00
20/10/2022 19:10	4.7	261	10	6.0	0.00
20/10/2022 19:20	4.0	261	11	4.9	0.00
20/10/2022 19:30	4.0	261	11	5.0	0.00
20/10/2022 19:40	4.5	262	9	5.5	0.00
20/10/2022 19:50	4.6	261	10	6.0	0.00
20/10/2022 20:00	4.9	263	8	6.4	0.00
20/10/2022 20:10	4.3	258	10	5.7	0.00
20/10/2022 20:20	4.7	259	11	6.1	0.00
20/10/2022 20:30	4.7	260	10	6.3	0.00
20/10/2022 20:40	4.8	262	10	6.2	0.00
20/10/2022 20:50	4.7	262	10	6.6	0.00
20/10/2022 21:00	4.4	261	10	6.3	0.00
20/10/2022 21:10	4.6	262	11	6.4	0.00
20/10/2022 21:20	4.4	260	12	5.8	0.00
20/10/2022 21:30	4.9	264	11	6.0	0.00
20/10/2022 21:40	5.0	265	11	6.8	0.00
20/10/2022 21:50	5.0	263	10	6.8	0.00
20/10/2022 22:00	5.4	265	8	6.8	0.00
20/10/2022 22:10	5.5	264	8	6.6	0.00
20/10/2022 22:20	4.6	264	9	5.7	0.00
20/10/2022 22:30	4.5	258	11	6.6	0.00
20/10/2022 22:40	4.3	258	10	5.4	0.00
20/10/2022 22:50	4.6	258	11	5.9	0.00
20/10/2022 23:00	4.9	257	12	6.4	0.00
20/10/2022 23:10	4.8	257	10	6.7	0.00
20/10/2022 23:20	4.7	254	12	6.9	0.00
20/10/2022 23:30	4.7	256	11	6.4	0.00
20/10/2022 23:40	5.0	257	10	6.7	0.00
20/10/2022 23:50	4.2	253	10	5.3	0.00
21/10/2022 00:00	4.3	254	11	5.6	0.00
21/10/2022 00:10	4.8	255	10	6.0	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/10/2022 00:20	4.5	256	11	5.8	0.00
21/10/2022 00:30	4.2	249	11	5.8	0.00
21/10/2022 00:40	3.9	250	10	5.7	0.00
21/10/2022 00:50	4.5	248	11	6.3	0.00
21/10/2022 01:00	4.1	246	13	5.6	0.00
21/10/2022 01:10	4.3	249	13	6.0	0.00
21/10/2022 01:20	3.9	255	12	5.6	0.00
21/10/2022 01:30	4.2	255	11	5.2	0.00
21/10/2022 01:40	4.2	255	10	5.3	0.00
21/10/2022 01:50	4.2	245	11	6.1	0.00
21/10/2022 02:00	4.4	243	12	6.0	0.00
21/10/2022 02:10	3.8	249	12	5.6	0.00
21/10/2022 02:20	3.5	248	11	5.2	0.00
21/10/2022 02:30	3.3	246	11	4.6	0.00
21/10/2022 02:40	3.8	248	12	5.4	0.00
21/10/2022 02:50	4.1	246	12	5.8	0.00
21/10/2022 03:00	3.5	247	12	4.9	0.00
21/10/2022 03:10	3.5	246	12	4.8	0.00
21/10/2022 03:20	3.4	244	12	4.7	0.00
21/10/2022 03:30	3.6	243	14	5.6	0.00
21/10/2022 03:40	4.2	236	12	5.7	0.00
21/10/2022 03:50	2.7	239	13	4.6	0.00
21/10/2022 04:00	3.1	238	17	4.1	0.00
21/10/2022 04:10	3.4	236	16	5.5	0.00
21/10/2022 04:20	2.9	235	13	4.3	0.00
21/10/2022 04:30	3.1	235	12	4.5	0.00
21/10/2022 04:40	3.1	242	13	4.6	0.00
21/10/2022 04:50	3.3	242	13	4.6	0.00
21/10/2022 05:00	3.5	239	12	4.8	0.00
21/10/2022 05:10	3.1	241	12	4.2	0.00
21/10/2022 05:20	3.0	242	12	4.2	0.00
21/10/2022 05:30	3.0	241	13	4.2	0.00
21/10/2022 05:40	2.7	239	13	4.3	0.00
21/10/2022 05:50	3.0	241	14	4.1	0.00
21/10/2022 06:00	2.3	246	12	3.4	0.00
21/10/2022 06:10	2.2	245	13	3.1	0.00
21/10/2022 06:20	2.1	235	13	3.2	0.00
21/10/2022 06:30	2.9	242	13	4.1	0.00
21/10/2022 06:40	3.8	239	10	5.5	0.00
21/10/2022 06:50	3.6	242	12	5.6	0.00
21/10/2022 07:00	3.3	245	14	4.5	0.00
21/10/2022 07:10	3.5	237	18	5.0	0.00
21/10/2022 07:20	3.8	238	14	5.2	0.00
21/10/2022 07:30	4.3	241	14	5.7	0.00
21/10/2022 07:40	4.0	239	14	5.3	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/10/2022 07:50	4.1	234	15	5.3	0.00
21/10/2022 08:00	3.8	245	14	5.2	0.00
21/10/2022 08:10	4.0	257	13	5.2	0.00
21/10/2022 08:20	4.3	262	12	5.5	0.00
21/10/2022 08:30	4.5	259	11	6.0	0.00
21/10/2022 08:40	4.6	257	13	5.8	0.00
21/10/2022 08:50	4.7	254	14	6.1	0.00
21/10/2022 09:00	4.4	271	14	5.8	0.00
21/10/2022 09:10	4.6	275	14	6.0	0.00
21/10/2022 09:20	4.8	268	14	6.1	0.00
21/10/2022 09:30	4.7	272	12	6.2	0.00
21/10/2022 09:40	4.5	269	15	6.0	0.00
21/10/2022 09:50	4.8	269	14	6.1	0.00
21/10/2022 10:00	5.0	269	14	6.1	0.00
21/10/2022 10:10	5.4	264	11	6.8	0.00
21/10/2022 10:20	5.2	259	11	6.8	0.00
21/10/2022 10:30	5.0	256	16	6.6	0.00
21/10/2022 10:40	5.4	265	10	7.0	0.00
21/10/2022 10:50	5.0	264	13	6.1	0.00
21/10/2022 11:00	5.3	259	13	6.7	0.00
21/10/2022 11:10	5.5	261	14	7.5	0.00
21/10/2022 11:20	6.0	264	12	7.7	0.00
21/10/2022 11:30	5.6	265	13	7.2	0.00
21/10/2022 11:40	5.9	268	12	7.3	0.00
21/10/2022 11:50	5.7	264	15	7.6	0.00
21/10/2022 12:00	6.2	264	12	8.0	0.00
21/10/2022 12:10	6.4	263	11	8.5	0.00
21/10/2022 12:20	6.2	266	14	7.9	0.00
21/10/2022 12:30	6.8	261	11	8.6	0.00
21/10/2022 12:40	6.4	261	12	8.8	0.00
21/10/2022 12:50	6.2	252	12	8.4	0.00
21/10/2022 13:00	7.1	260	11	9.0	0.00
21/10/2022 13:10	8.0	264	9	9.9	0.00
21/10/2022 13:20	6.7	264	9	8.6	0.00
21/10/2022 13:30	6.6	264	13	8.7	0.00
21/10/2022 13:40	7.0	263	12	9.0	0.00
21/10/2022 13:50	7.0	260	11	9.5	0.00
21/10/2022 14:00	6.9	261	13	9.2	0.00
21/10/2022 14:10	7.3	260	11	9.5	0.00
21/10/2022 14:20	7.0	263	12	9.2	0.00
21/10/2022 14:30	6.6	264	12	9.1	0.00
21/10/2022 14:40	7.1	263	11	9.3	0.00
21/10/2022 14:50	6.1	260	12	9.1	0.00
21/10/2022 15:00	6.9	262	11	9.1	0.00
21/10/2022 15:10	7.1	258	13	9.1	0.00





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/10/2022 15:20	7.4	264	11	9.9	0.00
21/10/2022 15:30	6.8	268	13	9.1	0.00
21/10/2022 15:40	6.3	264	12	8.3	0.00
21/10/2022 15:50	6.7	256	13	8.5	0.00
21/10/2022 16:00	6.6	263	11	9.1	0.00
21/10/2022 16:10	6.9	263	10	8.9	0.00
21/10/2022 16:20	7.2	264	11	9.3	0.00
21/10/2022 16:30	7.3	263	10	9.4	0.00
21/10/2022 16:40	6.6	265	12	8.3	0.00
21/10/2022 16:50	6.5	262	10	8.7	0.00
21/10/2022 17:00	6.5	264	12	8.9	0.00
21/10/2022 17:10	7.3	263	9	9.1	0.00
21/10/2022 17:20	6.5	263	10	8.4	0.00
21/10/2022 17:30	5.8	263	9	7.7	0.00
21/10/2022 17:40	6.5	262	10	8.4	0.00
21/10/2022 17:50	6.0	266	11	8.2	0.00
21/10/2022 18:00	6.5	262	10	8.3	0.00
21/10/2022 18:10	5.7	264	10	7.9	0.00
21/10/2022 18:20	5.4	263	11	7.4	0.00
21/10/2022 18:30	5.6	263	14	7.2	0.00
21/10/2022 18:40	6.0	263	11	7.5	0.00
21/10/2022 18:50	5.8	262	10	7.9	0.00
21/10/2022 19:00	5.3	264	11	6.6	0.00
21/10/2022 19:10	5.1	261	9	6.9	0.00
21/10/2022 19:20	5.7	265	10	7.3	0.00
21/10/2022 19:30	5.2	263	11	7.2	0.00
21/10/2022 19:40	5.4	263	10	7.5	0.00
21/10/2022 19:50	5.9	264	9	7.7	0.00
21/10/2022 20:00	5.9	264	10	7.5	0.00
21/10/2022 20:10	5.0	266	12	6.7	0.00
21/10/2022 20:20	5.9	263	9	8.5	0.00
21/10/2022 20:30	5.5	267	12	7.5	0.00
21/10/2022 20:40	5.4	264	12	7.4	0.00
21/10/2022 20:50	5.8	264	11	7.5	0.00
21/10/2022 21:00	6.2	265	9	8.3	0.00
21/10/2022 21:10	6.1	263	10	7.9	0.00
21/10/2022 21:20	5.7	262	8	7.2	0.00
21/10/2022 21:30	5.2	260	12	6.9	0.00
21/10/2022 21:40	5.5	266	10	6.8	0.00
21/10/2022 21:50	5.2	263	9	6.6	0.00
21/10/2022 22:00	5.0	264	8	6.6	0.00
21/10/2022 22:10	5.7	260	10	7.5	0.00
21/10/2022 22:20	5.6	261	11	7.6	0.00
21/10/2022 22:30	5.7	262	11	7.4	0.00
21/10/2022 22:40	5.2	259	13	7.3	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/10/2022 22:50	5.2	260	10	7.1	0.00
21/10/2022 23:00	5.5	258	11	7.5	0.00
21/10/2022 23:10	5.7	256	11	7.8	0.00
21/10/2022 23:20	6.4	260	9	8.6	0.00
21/10/2022 23:30	6.3	257	11	8.0	0.00
21/10/2022 23:40	6.2	258	11	8.6	0.00
21/10/2022 23:50	6.0	255	11	7.7	0.00
22/10/2022 00:00	5.7	255	12	7.8	0.00
22/10/2022 00:10	6.3	253	11	8.6	0.00
22/10/2022 00:20	5.5	254	10	7.8	0.00
22/10/2022 00:30	5.9	253	12	8.3	0.00
22/10/2022 00:40	5.6	255	12	8.1	0.00
22/10/2022 00:50	5.7	258	12	7.5	0.00
22/10/2022 01:00	5.5	255	11	7.1	0.00
22/10/2022 01:10	5.7	255	12	8.1	0.00
22/10/2022 01:20	6.1	254	12	8.2	0.00
22/10/2022 01:30	5.9	253	11	8.3	0.00
22/10/2022 01:40	6.1	254	11	8.1	0.00
22/10/2022 01:50	5.9	254	11	7.9	0.00
22/10/2022 02:00	6.2	255	11	8.4	0.00
22/10/2022 02:10	6.1	253	12	8.3	0.00
22/10/2022 02:20	5.9	255	12	8.0	0.00
22/10/2022 02:30	5.5	254	11	7.5	0.00
22/10/2022 02:40	5.9	254	10	8.2	0.00
22/10/2022 02:50	5.9	254	10	7.6	0.00
22/10/2022 03:00	5.9	255	12	7.8	0.00
22/10/2022 03:10	5.6	252	12	7.4	0.00
22/10/2022 03:20	5.6	249	12	7.5	0.00
22/10/2022 03:30	6.2	255	11	8.6	0.00
22/10/2022 03:40	5.5	254	11	7.5	0.00
22/10/2022 03:50	5.9	256	12	7.9	0.00
22/10/2022 04:00	5.8	255	11	7.7	0.00
22/10/2022 04:10	5.7	245	14	7.9	0.00
22/10/2022 04:20	6.0	252	13	8.0	0.00
22/10/2022 04:30	5.4	245	13	6.9	0.00
22/10/2022 04:40	6.3	250	12	8.0	0.00
22/10/2022 04:50	6.5	251	11	8.5	0.00
22/10/2022 05:00	5.8	248	12	8.4	0.00
22/10/2022 05:10	5.8	245	13	8.3	0.00
22/10/2022 05:20	5.5	255	11	7.5	0.00
22/10/2022 05:30	5.3	252	12	7.2	0.00
22/10/2022 05:40	5.4	253	12	7.4	0.00
22/10/2022 05:50	4.7	249	13	6.5	0.00
22/10/2022 06:00	4.6	252	11	6.1	0.00
22/10/2022 06:10	5.5	254	12	7.5	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/10/2022 06:20	5.1	248	13	7.4	0.00
22/10/2022 06:30	5.5	248	12	7.5	0.00
22/10/2022 06:40	4.5	251	13	6.7	0.00
22/10/2022 06:50	5.3	252	11	7.2	0.00
22/10/2022 07:00	5.2	250	13	7.1	0.00
22/10/2022 07:10	4.6	249	13	6.3	0.00
22/10/2022 07:20	5.1	249	15	6.9	0.00
22/10/2022 07:30	5.0	249	12	6.8	0.00
22/10/2022 07:40	4.9	251	14	6.6	0.00
22/10/2022 07:50	5.0	247	16	6.7	0.00
22/10/2022 08:00	4.9	249	12	6.9	0.00
22/10/2022 08:10	5.1	254	11	6.6	0.00
22/10/2022 08:20	5.1	256	12	6.4	0.00
22/10/2022 08:30	5.0	251	12	6.4	0.00
22/10/2022 08:40	5.2	255	12	6.9	0.00
22/10/2022 08:50	5.4	257	11	7.2	0.00
22/10/2022 09:00	4.9	261	13	6.8	0.00
22/10/2022 09:10	5.2	266	15	7.1	0.00
22/10/2022 09:20	5.5	268	13	7.1	0.00
22/10/2022 09:30	5.9	270	15	7.8	0.00
22/10/2022 09:40	5.9	267	14	7.9	0.00
22/10/2022 09:50	6.1	262	13	8.3	0.00
22/10/2022 10:00	5.9	265	15	7.6	0.00
22/10/2022 10:10	6.2	268	12	8.2	0.10
22/10/2022 10:20	6.3	268	16	7.8	0.00
22/10/2022 10:30	6.1	268	14	7.9	0.00
22/10/2022 10:40	6.5	266	12	8.7	0.00
22/10/2022 10:50	6.7	265	14	8.9	0.00
22/10/2022 11:00	6.6	268	13	9.0	0.00
22/10/2022 11:10	6.4	269	13	8.5	0.00
22/10/2022 11:20	6.5	272	13	8.7	0.00
22/10/2022 11:30	6.4	266	13	8.4	0.00
22/10/2022 11:40	6.8	270	14	9.0	0.00
22/10/2022 11:50	6.9	266	13	9.1	0.00
22/10/2022 12:00	6.7	265	13	8.7	0.00
22/10/2022 12:10	6.3	261	14	8.8	0.00
22/10/2022 12:20	6.2	257	13	8.3	0.00
22/10/2022 12:30	6.6	260	13	8.4	0.00
22/10/2022 12:40	6.8	265	13	8.7	0.00
22/10/2022 12:50	6.4	267	14	8.8	0.00
22/10/2022 13:00	6.6	264	13	8.4	0.00
22/10/2022 13:10	7.0	268	15	9.1	0.00
22/10/2022 13:20	7.0	266	13	9.7	0.00
22/10/2022 13:30	7.6	260	11	9.9	0.00
22/10/2022 13:40	7.5	260	12	9.5	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/10/2022 13:50	8.1	262	10	10.4	0.00
22/10/2022 14:00	7.5	259	12	9.3	0.00
22/10/2022 14:10	7.2	263	13	9.3	0.00
22/10/2022 14:20	7.1	262	12	9.1	0.00
22/10/2022 14:30	6.4	263	13	8.3	0.00
22/10/2022 14:40	6.8	271	14	9.4	0.00
22/10/2022 14:50	7.3	267	13	9.9	0.00
22/10/2022 15:00	7.2	265	13	9.7	0.00
22/10/2022 15:10	7.2	266	12	9.2	0.00
22/10/2022 15:20	7.8	264	9	10.0	0.00
22/10/2022 15:30	6.9	264	11	8.8	0.00
22/10/2022 15:40	8.1	262	10	10.0	0.00
22/10/2022 15:50	8.1	264	10	10.4	0.00
22/10/2022 16:00	7.9	262	10	9.7	0.00
22/10/2022 16:10	7.6	266	12	9.8	0.00
22/10/2022 16:20	7.2	263	9	8.8	0.00
22/10/2022 16:30	7.0	262	11	8.7	0.00
22/10/2022 16:40	6.8	263	12	8.7	0.00
22/10/2022 16:50	6.4	271	14	8.7	0.00
22/10/2022 17:00	6.6	270	14	8.7	0.00
22/10/2022 17:10	7.6	261	10	9.1	0.00
22/10/2022 17:20	6.9	262	10	9.7	0.00
22/10/2022 17:30	6.9	266	12	9.4	0.00
22/10/2022 17:40	7.0	266	10	9.1	0.00
22/10/2022 17:50	6.9	264	12	8.7	0.00
22/10/2022 18:00	7.2	260	8	9.1	0.00
22/10/2022 18:10	6.1	262	12	8.4	0.00
22/10/2022 18:20	6.0	264	11	7.9	0.00
22/10/2022 18:30	6.0	267	12	8.6	0.00
22/10/2022 18:40	6.5	263	11	9.3	0.00
22/10/2022 18:50	5.8	265	11	7.8	0.00
22/10/2022 19:00	6.2	266	10	8.4	0.00
22/10/2022 19:10	6.2	263	10	8.2	0.00
22/10/2022 19:20	6.1	261	9	7.5	0.00
22/10/2022 19:30	6.5	263	9	8.7	0.00
22/10/2022 19:40	6.0	261	10	7.9	0.00
22/10/2022 19:50	5.7	262	9	7.2	0.00
22/10/2022 20:00	6.0	261	10	8.1	0.00
22/10/2022 20:10	6.3	262	10	8.4	0.00
22/10/2022 20:20	5.0	262	11	6.8	0.00
22/10/2022 20:30	5.1	260	11	7.2	0.00
22/10/2022 20:40	5.6	255	11	7.1	0.00
22/10/2022 20:50	6.3	263	8	8.5	0.00
22/10/2022 21:00	5.5	261	10	7.3	0.00
22/10/2022 21:10	5.8	260	11	7.3	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/10/2022 21:20	5.6	262	9	7.3	0.00
22/10/2022 21:30	6.1	260	9	8.0	0.00
22/10/2022 21:40	5.9	259	10	7.9	0.00
22/10/2022 21:50	6.3	260	10	7.9	0.00
22/10/2022 22:00	5.9	259	9	8.0	0.00
22/10/2022 22:10	6.5	258	10	8.2	0.00
22/10/2022 22:20	6.3	256	11	7.8	0.00
22/10/2022 22:30	6.1	255	10	9.0	0.00
22/10/2022 22:40	5.9	256	10	7.9	0.00
22/10/2022 22:50	5.5	254	10	7.3	0.00
22/10/2022 23:00	5.7	254	10	7.4	0.00
22/10/2022 23:10	5.7	256	12	7.8	0.00
22/10/2022 23:20	5.9	254	12	8.1	0.00
22/10/2022 23:30	6.0	257	12	8.2	0.00
22/10/2022 23:40	5.9	257	11	7.5	0.00
22/10/2022 23:50	5.1	258	10	7.5	0.00
23/10/2022 00:00	5.5	260	11	7.1	0.00
23/10/2022 00:10	5.5	259	11	7.5	0.00
23/10/2022 00:20	6.0	258	11	8.0	0.00
23/10/2022 00:30	5.9	258	10	8.1	0.00
23/10/2022 00:40	5.4	256	11	7.4	0.00
23/10/2022 00:50	5.9	254	12	8.3	0.00
23/10/2022 01:00	5.9	255	10	7.8	0.00
23/10/2022 01:10	5.7	256	12	7.9	0.00
23/10/2022 01:20	5.5	255	11	7.4	0.00
23/10/2022 01:30	5.7	254	11	7.9	0.00
23/10/2022 01:40	5.6	256	11	7.8	0.00
23/10/2022 01:50	6.1	256	10	8.2	0.00
23/10/2022 02:00	5.9	256	12	7.9	0.00
23/10/2022 02:10	5.5	253	12	6.8	0.00
23/10/2022 02:20	5.1	253	11	7.1	0.00
23/10/2022 02:30	4.1	248	11	6.2	0.00
23/10/2022 02:40	4.2	245	10	5.8	0.00
23/10/2022 02:50	4.6	249	11	5.8	0.00
23/10/2022 03:00	4.9	251	11	6.8	0.00
23/10/2022 03:10	5.5	245	10	7.2	0.00
23/10/2022 03:20	5.0	245	11	7.2	0.00
23/10/2022 03:30	5.6	246	11	7.1	0.00
23/10/2022 03:40	5.3	244	10	7.5	0.00
23/10/2022 03:50	5.5	246	11	8.3	0.00
23/10/2022 04:00	5.4	246	11	7.1	0.00
23/10/2022 04:10	5.2	250	12	6.8	0.00
23/10/2022 04:20	5.4	247	12	6.8	0.00
23/10/2022 04:30	4.4	247	12	6.4	0.00
23/10/2022 04:40	4.8	252	11	7.2	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/10/2022 04:50	5.7	254	11	7.9	0.00
23/10/2022 05:00	5.4	252	11	7.2	0.00
23/10/2022 05:10	4.8	249	11	6.1	0.00
23/10/2022 05:20	5.1	250	12	6.3	0.00
23/10/2022 05:30	5.3	253	10	6.7	0.00
23/10/2022 05:40	4.4	253	10	5.6	0.00
23/10/2022 05:50	5.1	255	10	6.6	0.00
23/10/2022 06:00	5.8	253	10	7.1	0.00
23/10/2022 06:10	5.9	253	9	7.2	0.00
23/10/2022 06:20	5.5	253	10	7.5	0.00
23/10/2022 06:30	6.1	256	10	7.4	0.00
23/10/2022 06:40	5.8	253	10	7.8	0.00
23/10/2022 06:50	5.8	253	11	7.5	0.00
23/10/2022 07:00	4.8	253	14	6.5	0.00
23/10/2022 07:10	5.1	255	13	6.8	0.00
23/10/2022 07:20	5.1	253	14	6.5	0.00
23/10/2022 07:30	4.7	253	12	6.4	0.00
23/10/2022 07:40	4.5	252	13	6.0	0.00
23/10/2022 07:50	4.7	261	12	6.1	0.00
23/10/2022 08:00	5.3	262	12	6.7	0.00
23/10/2022 08:10	5.7	264	10	7.5	0.00
23/10/2022 08:20	5.8	261	12	7.6	0.00
23/10/2022 08:30	5.5	261	12	7.2	0.00
23/10/2022 08:40	5.8	258	11	7.6	0.00
23/10/2022 08:50	6.3	262	11	8.3	0.00
23/10/2022 09:00	5.7	258	12	7.9	0.00
23/10/2022 09:10	6.1	260	12	8.2	0.00
23/10/2022 09:20	5.8	256	14	7.9	0.00
23/10/2022 09:30	6.0	256	13	7.7	0.00
23/10/2022 09:40	6.0	259	12	7.8	0.00
23/10/2022 09:50	5.6	255	12	8.0	0.00
23/10/2022 10:00	6.4	259	12	8.2	0.00
23/10/2022 10:10	6.6	265	14	9.0	0.00
23/10/2022 10:20	6.7	257	13	9.1	0.00
23/10/2022 10:30	7.0	267	11	9.7	0.00
23/10/2022 10:40	6.6	264	14	8.5	0.00
23/10/2022 10:50	6.3	264	16	7.9	0.00
23/10/2022 11:00	6.9	262	10	8.5	0.00
23/10/2022 11:10	6.8	261	12	9.1	0.00
23/10/2022 11:20	7.0	259	12	9.1	0.00
23/10/2022 11:30	6.4	264	13	7.9	0.00
23/10/2022 11:40	6.6	261	13	8.5	0.00
23/10/2022 11:50	6.7	256	12	8.7	0.00
23/10/2022 12:00	6.4	257	13	8.7	0.00
23/10/2022 12:10	6.1	259	15	7.9	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/10/2022 12:20	6.3	257	12	8.8	0.00
23/10/2022 12:30	6.1	255	12	8.3	0.00
23/10/2022 12:40	6.6	258	13	8.4	0.00
23/10/2022 12:50	6.5	257	12	8.4	0.00
23/10/2022 13:00	6.2	261	13	8.6	0.00
23/10/2022 13:10	6.6	261	13	9.1	0.00
23/10/2022 13:20	6.8	261	12	9.7	0.00
23/10/2022 13:30	6.6	263	13	9.1	0.00
23/10/2022 13:40	7.8	265	11	9.7	0.00
23/10/2022 13:50	8.2	261	10	10.2	0.00
23/10/2022 14:00	7.1	261	15	9.9	0.00
23/10/2022 14:10	7.4	264	11	9.6	0.00
23/10/2022 14:20	7.4	266	11	9.6	0.00
23/10/2022 14:30	6.7	260	14	8.7	0.00
23/10/2022 14:40	7.0	262	11	8.9	0.00
23/10/2022 14:50	7.2	264	12	9.7	0.00
23/10/2022 15:00	6.7	262	11	9.6	0.00
23/10/2022 15:10	6.9	261	12	9.5	0.00
23/10/2022 15:20	6.9	263	10	8.9	0.00
23/10/2022 15:30	6.0	261	12	7.8	0.00
23/10/2022 15:40	6.6	258	12	9.0	0.00
23/10/2022 15:50	7.1	267	11	9.3	0.00
23/10/2022 16:00	6.2	261	11	8.2	0.00
23/10/2022 16:10	5.3	263	14	7.3	0.00
23/10/2022 16:20	6.5	265	12	8.6	0.00
23/10/2022 16:30	7.1	261	11	9.3	0.00
23/10/2022 16:40	6.9	261	10	9.4	0.00
23/10/2022 16:50	6.4	263	11	8.3	0.00
23/10/2022 17:00	6.7	260	10	8.4	0.00
23/10/2022 17:10	6.5	261	11	8.9	0.00
23/10/2022 17:20	6.6	262	11	8.5	0.00
23/10/2022 17:30	6.4	262	11	8.7	0.00
23/10/2022 17:40	6.5	260	11	8.3	0.00
23/10/2022 17:50	6.4	259	11	8.5	0.00
23/10/2022 18:00	5.9	259	13	7.8	0.00
23/10/2022 18:10	5.9	257	10	8.3	0.00
23/10/2022 18:20	6.1	260	11	8.3	0.00
23/10/2022 18:30	5.9	264	13	7.7	0.00
23/10/2022 18:40	6.7	260	11	9.0	0.00
23/10/2022 18:50	5.9	260	9	8.5	0.00
23/10/2022 19:00	6.5	264	10	8.8	0.00
23/10/2022 19:10	6.5	262	11	9.5	0.00
23/10/2022 19:20	6.1	263	9	7.9	0.00
23/10/2022 19:30	6.1	264	12	8.3	0.00
23/10/2022 19:40	6.0	262	11	9.1	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/10/2022 19:50	5.8	264	12	7.8	0.00
23/10/2022 20:00	5.5	261	10	7.2	0.00
23/10/2022 20:10	5.7	261	10	7.6	0.00
23/10/2022 20:20	6.0	263	9	8.3	0.00
23/10/2022 20:30	6.5	264	10	8.2	0.00
23/10/2022 20:40	6.0	265	10	8.0	0.00
23/10/2022 20:50	6.8	264	9	9.2	0.00
23/10/2022 21:00	7.2	261	10	9.1	0.00
23/10/2022 21:10	6.3	261	11	8.3	0.00
23/10/2022 21:20	7.2	263	10	9.3	0.00
23/10/2022 21:30	8.2	264	9	10.4	0.00
23/10/2022 21:40	7.7	262	10	10.3	0.00
23/10/2022 21:50	6.6	260	10	9.0	0.00
23/10/2022 22:00	7.5	254	12	10.3	0.00
23/10/2022 22:10	7.7	256	12	10.3	0.00
23/10/2022 22:20	6.7	256	12	9.1	0.00
23/10/2022 22:30	6.3	251	12	9.9	0.00
23/10/2022 22:40	6.9	256	11	9.5	0.00
23/10/2022 22:50	7.1	254	11	9.5	0.00
23/10/2022 23:00	6.1	254	11	8.3	0.00
23/10/2022 23:10	6.2	250	11	8.3	0.00
23/10/2022 23:20	6.5	256	11	8.7	0.00
23/10/2022 23:30	6.4	253	10	8.3	0.00
23/10/2022 23:40	6.2	253	13	8.4	0.00
23/10/2022 23:50	6.4	256	11	8.6	0.00
24/10/2022 00:00	6.5	256	12	9.3	0.00
24/10/2022 00:10	6.4	254	11	8.8	0.00
24/10/2022 00:20	6.5	255	11	8.8	0.00
24/10/2022 00:30	6.4	254	11	8.3	0.00
24/10/2022 00:40	6.4	253	11	9.1	0.00
24/10/2022 00:50	6.4	256	11	8.5	0.00
24/10/2022 01:00	5.8	255	13	8.3	0.00
24/10/2022 01:10	6.4	256	11	8.4	0.00
24/10/2022 01:20	5.7	254	12	7.9	0.00
24/10/2022 01:30	6.0	254	11	8.4	0.00
24/10/2022 01:40	6.3	252	11	8.3	0.00
24/10/2022 01:50	6.3	253	11	8.3	0.00
24/10/2022 02:00	6.1	254	12	8.4	0.00
24/10/2022 02:10	6.3	255	13	8.7	0.00
24/10/2022 02:20	6.5	254	12	9.1	0.00
24/10/2022 02:30	6.0	256	12	8.0	0.00
24/10/2022 02:40	5.9	251	13	7.9	0.00
24/10/2022 02:50	5.7	246	12	8.1	0.00
24/10/2022 03:00	5.2	246	11	7.3	0.00
24/10/2022 03:10	5.3	247	13	7.5	0.00





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/10/2022 03:20	5.0	246	13	7.2	0.00
24/10/2022 03:30	5.0	247	12	7.7	0.00
24/10/2022 03:40	5.7	249	12	7.4	0.00
24/10/2022 03:50	5.5	247	11	7.7	0.00
24/10/2022 04:00	5.3	250	14	7.2	0.00
24/10/2022 04:10	5.1	245	13	7.0	0.00
24/10/2022 04:20	5.8	251	14	7.9	0.00
24/10/2022 04:30	5.6	252	12	8.3	0.00
24/10/2022 04:40	5.0	252	13	7.5	0.00
24/10/2022 04:50	5.3	255	12	7.3	0.00
24/10/2022 05:00	5.3	253	12	7.4	0.00
24/10/2022 05:10	5.2	249	12	7.2	0.00
24/10/2022 05:20	5.3	248	12	7.8	0.00
24/10/2022 05:30	5.2	248	12	7.5	0.00
24/10/2022 05:40	5.2	250	11	7.2	0.00
24/10/2022 05:50	5.3	255	11	6.8	0.00
24/10/2022 06:00	5.2	248	12	6.8	0.00
24/10/2022 06:10	5.1	248	13	6.8	0.00
24/10/2022 06:20	4.7	247	14	6.4	0.00
24/10/2022 06:30	5.2	242	13	7.2	0.00
24/10/2022 06:40	4.9	238	13	6.7	0.00
24/10/2022 06:50	5.1	246	13	7.0	0.00
24/10/2022 07:00	4.8	242	13	6.8	0.00
24/10/2022 07:10	5.0	239	15	7.4	0.00
24/10/2022 07:20	4.8	240	16	7.0	0.00
24/10/2022 07:30	5.7	243	14	8.3	0.00
24/10/2022 07:40	6.0	239	13	8.3	0.00
24/10/2022 07:50	6.1	236	14	9.0	0.00
24/10/2022 08:00	6.0	244	13	8.0	0.00
24/10/2022 08:10	5.8	238	15	8.3	0.00
24/10/2022 08:20	6.0	238	16	8.6	0.00
24/10/2022 08:30	6.1	241	13	8.8	0.00
24/10/2022 08:40	6.3	240	12	8.5	0.00
24/10/2022 08:50	5.9	241	13	8.1	0.00
24/10/2022 09:00	6.5	241	15	8.7	0.00
24/10/2022 09:10	5.8	239	15	7.9	0.00
24/10/2022 09:20	6.0	234	14	8.4	0.00
24/10/2022 09:30	5.0	234	15	8.2	0.00
24/10/2022 09:40	5.7	236	14	7.9	0.00
24/10/2022 09:50	5.9	239	17	8.7	0.00
24/10/2022 10:00	5.6	240	18	7.9	0.00
24/10/2022 10:10	6.0	239	14	8.0	0.00
24/10/2022 10:20	5.5	239	14	8.6	0.00
24/10/2022 10:30	5.4	231	16	8.2	0.00
24/10/2022 10:40	5.8	248	16	8.7	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/10/2022 10:50	6.5	266	16	8.6	0.00
24/10/2022 11:00	7.5	268	13	10.0	0.00
24/10/2022 11:10	7.7	265	13	10.7	0.00
24/10/2022 11:20	7.6	265	12	10.1	0.00
24/10/2022 11:30	7.9	263	11	10.0	0.00
24/10/2022 11:40	7.7	262	10	10.7	0.00
24/10/2022 11:50	7.7	263	11	9.9	0.00
24/10/2022 12:00	8.1	261	11	10.7	0.00
24/10/2022 12:10	8.6	264	12	11.6	0.00
24/10/2022 12:20	8.6	263	10	11.5	0.00
24/10/2022 12:30	8.4	265	12	11.7	0.00
24/10/2022 12:40	8.5	262	11	10.8	0.00
24/10/2022 12:50	8.3	260	11	11.1	0.00
24/10/2022 13:00	9.0	261	12	11.8	0.00
24/10/2022 13:10	8.7	261	13	11.5	0.00
24/10/2022 13:20	9.1	263	13	11.9	0.00
24/10/2022 13:30	8.7	259	12	12.0	0.00
24/10/2022 13:40	8.9	258	13	12.3	0.00
24/10/2022 13:50	9.1	258	13	11.9	0.00
24/10/2022 14:00	9.2	262	12	12.5	0.00
24/10/2022 14:10	9.5	262	11	12.5	0.00
24/10/2022 14:20	8.6	260	12	11.4	0.00
24/10/2022 14:30	8.6	262	12	11.7	0.00
24/10/2022 14:40	8.9	259	12	13.3	0.00
24/10/2022 14:50	9.1	263	12	12.3	0.00
24/10/2022 15:00	9.2	262	11	13.0	0.00
24/10/2022 15:10	8.7	260	12	12.7	0.00
24/10/2022 15:20	9.0	259	12	12.6	0.00
24/10/2022 15:30	8.8	260	12	11.5	0.00
24/10/2022 15:40	8.6	261	12	12.5	0.00
24/10/2022 15:50	9.2	260	12	12.2	0.00
24/10/2022 16:00	9.5	258	14	13.0	0.00
24/10/2022 16:10	9.8	258	13	12.8	0.00
24/10/2022 16:20	9.2	261	12	12.2	0.00
24/10/2022 16:30	8.7	257	12	12.3	0.00
24/10/2022 16:40	9.1	260	11	11.9	0.00
24/10/2022 16:50	9.1	259	12	12.3	0.00
24/10/2022 17:00	8.3	262	13	11.8	0.00
24/10/2022 17:10	8.1	260	11	11.9	0.00
24/10/2022 17:20	8.4	262	11	11.9	0.00
24/10/2022 17:30	8.2	262	11	11.5	0.00
24/10/2022 17:40	8.0	259	11	11.0	0.00
24/10/2022 17:50	7.5	264	11	10.3	0.00
24/10/2022 18:00	7.1	261	12	10.3	0.00
24/10/2022 18:10	7.9	261	11	10.4	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/10/2022 18:20	7.9	265	11	10.8	0.00
24/10/2022 18:30	8.1	263	10	11.6	0.00
24/10/2022 18:40	7.1	264	11	9.5	0.00
24/10/2022 18:50	7.6	261	10	9.6	0.00
24/10/2022 19:00	6.7	264	9	9.2	0.00
24/10/2022 19:10	7.0	260	11	9.1	0.00
24/10/2022 19:20	7.3	261	10	10.2	0.00
24/10/2022 19:30	7.5	261	11	9.8	0.00
24/10/2022 19:40	7.3	261	10	10.0	0.00
24/10/2022 19:50	7.6	262	10	10.4	0.00
24/10/2022 20:00	7.0	262	13	9.5	0.00
24/10/2022 20:10	7.2	259	11	10.1	0.00
24/10/2022 20:20	5.9	259	11	8.3	0.00
24/10/2022 20:30	6.9	259	13	9.1	0.00
24/10/2022 20:40	6.7	260	12	9.1	0.00
24/10/2022 20:50	6.5	260	12	8.5	0.00
24/10/2022 21:00	6.1	258	12	8.1	0.00
24/10/2022 21:10	6.8	258	12	9.2	0.00
24/10/2022 21:20	6.2	257	11	8.8	0.00
24/10/2022 21:30	7.3	255	13	9.2	0.00
24/10/2022 21:40	6.8	254	11	9.2	0.00
24/10/2022 21:50	6.6	254	12	9.1	0.00
24/10/2022 22:00	6.6	256	11	9.0	0.00
24/10/2022 22:10	6.5	256	12	9.2	0.00
24/10/2022 22:20	6.2	256	12	8.8	0.00
24/10/2022 22:30	6.5	259	13	9.5	0.00
24/10/2022 22:40	6.4	256	11	8.8	0.00
24/10/2022 22:50	6.2	259	11	9.1	0.00
24/10/2022 23:00	6.3	256	12	9.5	0.00
24/10/2022 23:10	6.3	256	11	9.2	0.00
24/10/2022 23:20	6.3	256	12	8.6	0.00
24/10/2022 23:30	6.3	255	12	8.4	0.00
24/10/2022 23:40	6.0	256	11	9.2	0.00
24/10/2022 23:50	6.1	253	13	8.3	0.00
25/10/2022 00:00	5.6	254	14	8.1	0.00
25/10/2022 00:10	5.4	254	11	7.4	0.00
25/10/2022 00:20	5.6	253	14	7.7	0.00
25/10/2022 00:30	5.7	256	12	7.5	0.00
25/10/2022 00:40	5.1	248	14	7.6	0.00
25/10/2022 00:50	5.5	254	12	7.7	0.00
25/10/2022 01:00	6.3	253	11	8.4	0.00
25/10/2022 01:10	5.5	254	13	7.5	0.00
25/10/2022 01:20	5.3	253	11	7.3	0.00
25/10/2022 01:30	5.4	254	13	8.2	0.00
25/10/2022 01:40	5.9	256	12	8.4	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/10/2022 01:50	5.0	254	11	7.2	0.00
25/10/2022 02:00	5.0	254	11	6.6	0.00
25/10/2022 02:10	5.0	253	13	6.9	0.00
25/10/2022 02:20	4.6	253	12	6.3	0.00
25/10/2022 02:30	4.6	251	13	6.6	0.00
25/10/2022 02:40	4.0	249	11	5.4	0.00
25/10/2022 02:50	3.6	248	12	5.0	0.00
25/10/2022 03:00	3.2	253	11	4.8	0.00
25/10/2022 03:10	3.8	252	12	5.3	0.00
25/10/2022 03:20	3.6	253	13	4.8	0.00
25/10/2022 03:30	3.5	254	11	4.5	0.00
25/10/2022 03:40	2.9	252	12	4.1	0.00
25/10/2022 03:50	2.6	250	14	3.9	0.00
25/10/2022 04:00	3.0	244	13	4.2	0.00
25/10/2022 04:10	3.2	242	14	5.2	0.00
25/10/2022 04:20	4.0	234	14	5.4	0.00
25/10/2022 04:30	3.9	228	15	5.6	0.00
25/10/2022 04:40	4.0	226	17	6.1	0.00
25/10/2022 04:50	4.8	220	15	7.5	0.00
25/10/2022 05:00	4.2	222	19	6.4	0.00
25/10/2022 05:10	4.0	219	14	5.5	0.00
25/10/2022 05:20	3.3	217	23	4.6	0.00
25/10/2022 05:30	2.5	219	34	4.0	0.00
25/10/2022 05:40	2.5	214	26	3.9	0.00
25/10/2022 05:50	2.3	219	35	3.3	0.00
25/10/2022 06:00	2.6	219	30	4.0	0.00
25/10/2022 06:10	3.1	214	23	4.9	0.00
25/10/2022 06:20	3.3	216	27	4.7	0.00
25/10/2022 06:30	3.1	218	29	4.4	0.00
25/10/2022 06:40	3.6	220	25	5.7	0.00
25/10/2022 06:50	4.0	215	19	5.3	0.00
25/10/2022 07:00	4.1	219	15	5.8	0.00
25/10/2022 07:10	4.0	218	17	5.8	0.00
25/10/2022 07:20	3.6	218	22	5.3	0.00
25/10/2022 07:30	2.8	229	50	4.7	0.00
25/10/2022 07:40	1.9	164	91	3.9	0.00
25/10/2022 07:50	2.0	348	86	3.6	0.00
25/10/2022 08:00	2.1	155	95	3.0	0.00
25/10/2022 08:10	2.2	219	86	3.9	0.00
25/10/2022 08:20	2.2	175	84	4.5	0.00
25/10/2022 08:30	2.6	139	58	4.5	0.00
25/10/2022 08:40	3.8	137	18	5.3	0.00
25/10/2022 08:50	2.4	140	72	4.8	0.00
25/10/2022 09:00	3.0	140	49	5.1	0.00
25/10/2022 09:10	2.6	145	51	4.1	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/10/2022 09:20	2.7	134	51	4.4	0.00
25/10/2022 09:30	2.2	198	96	4.2	0.00
25/10/2022 09:40	2.7	195	69	5.1	0.00
25/10/2022 09:50	2.5	189	65	5.0	0.00
25/10/2022 10:00	2.2	193	52	3.9	0.00
25/10/2022 10:10	2.5	205	47	4.9	0.00
25/10/2022 10:20	3.8	244	28	5.3	0.00
25/10/2022 10:30	3.0	228	58	5.8	0.00
25/10/2022 10:40	2.6	210	43	4.8	0.00
25/10/2022 10:50	3.2	213	35	5.7	0.00
25/10/2022 11:00	2.8	173	48	4.7	0.00
25/10/2022 11:10	3.4	226	24	5.2	0.00
25/10/2022 11:20	3.7	236	22	5.6	0.00
25/10/2022 11:30	4.0	232	23	6.3	0.00
25/10/2022 11:40	3.0	228	32	5.7	0.00
25/10/2022 11:50	3.7	243	42	7.1	0.00
25/10/2022 12:00	5.2	270	15	7.2	0.00
25/10/2022 12:10	5.1	263	17	6.6	0.00
25/10/2022 12:20	5.3	269	15	6.8	0.00
25/10/2022 12:30	5.8	266	15	7.5	0.00
25/10/2022 12:40	5.7	262	12	7.5	0.00
25/10/2022 12:50	5.7	264	12	7.3	0.00
25/10/2022 13:00	5.3	272	13	7.2	0.00
25/10/2022 13:10	4.8	262	17	6.3	0.00
25/10/2022 13:20	4.8	264	14	6.9	0.00
25/10/2022 13:30	4.7	286	20	6.4	0.00
25/10/2022 13:40	5.5	274	18	7.5	0.00
25/10/2022 13:50	5.3	278	16	7.7	0.00
25/10/2022 14:00	5.5	295	14	7.4	0.00
25/10/2022 14:10	5.4	289	16	8.5	0.00
25/10/2022 14:20	5.1	275	17	7.6	0.00
25/10/2022 14:30	5.6	284	14	7.9	0.00
25/10/2022 14:40	5.6	295	15	7.7	0.00
25/10/2022 14:50	5.2	302	13	7.4	0.00
25/10/2022 15:00	5.9	301	11	7.9	0.00
25/10/2022 15:10	5.6	302	13	7.7	0.00
25/10/2022 15:20	6.0	297	15	7.7	0.00
25/10/2022 15:30	6.0	290	13	8.2	0.00
25/10/2022 15:40	5.9	289	13	7.8	0.00
25/10/2022 15:50	5.6	291	14	7.9	0.00
25/10/2022 16:00	5.7	299	12	7.5	0.00
25/10/2022 16:10	5.8	300	10	7.8	0.00
25/10/2022 16:20	5.6	299	13	7.4	0.00
25/10/2022 16:30	5.8	300	11	7.6	0.00
25/10/2022 16:40	5.9	300	11	7.8	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/10/2022 16:50	4.9	291	16	6.7	0.00
25/10/2022 17:00	5.3	293	12	7.2	0.00
25/10/2022 17:10	5.5	296	13	7.3	0.00
25/10/2022 17:20	5.2	297	11	7.3	0.00
25/10/2022 17:30	4.7	297	11	6.5	0.00
25/10/2022 17:40	4.5	288	14	6.4	0.00
25/10/2022 17:50	4.6	288	14	7.0	0.00
25/10/2022 18:00	4.1	269	15	6.0	0.00
25/10/2022 18:10	4.9	267	12	7.1	0.00
25/10/2022 18:20	5.8	263	10	7.6	0.00
25/10/2022 18:30	5.1	264	9	6.9	0.00
25/10/2022 18:40	4.3	273	14	6.2	0.00
25/10/2022 18:50	5.4	265	11	7.6	0.00
25/10/2022 19:00	6.0	263	12	7.5	0.00
25/10/2022 19:10	6.2	262	11	7.9	0.00
25/10/2022 19:20	6.4	263	10	8.7	0.00
25/10/2022 19:30	6.5	263	11	8.5	0.00
25/10/2022 19:40	5.9	262	12	7.9	0.00
25/10/2022 19:50	5.3	265	12	7.4	0.00
25/10/2022 20:00	6.3	262	8	8.3	0.00
25/10/2022 20:10	5.7	266	11	7.9	0.00
25/10/2022 20:20	6.0	264	11	7.9	0.00
25/10/2022 20:30	5.8	261	10	7.5	0.00
25/10/2022 20:40	6.5	262	10	8.4	0.00
25/10/2022 20:50	5.3	265	12	7.2	0.00
25/10/2022 21:00	5.4	264	10	7.2	0.00
25/10/2022 21:10	4.1	268	12	6.0	0.00
25/10/2022 21:20	4.3	266	12	6.0	0.00
25/10/2022 21:30	5.0	264	12	6.7	0.00
25/10/2022 21:40	4.8	267	11	6.8	0.00
25/10/2022 21:50	4.4	265	10	6.5	0.00
25/10/2022 22:00	4.5	268	13	6.3	0.00
25/10/2022 22:10	4.2	269	13	6.2	0.00
25/10/2022 22:20	4.4	263	12	6.0	0.00
25/10/2022 22:30	5.3	263	9	7.2	0.00
25/10/2022 22:40	4.9	265	11	6.4	0.00
25/10/2022 22:50	5.0	267	10	6.6	0.00
25/10/2022 23:00	4.6	267	11	6.4	0.00
25/10/2022 23:10	5.3	262	11	7.5	0.00
25/10/2022 23:20	5.2	266	12	7.2	0.00
25/10/2022 23:30	5.0	264	10	6.8	0.00
25/10/2022 23:40	4.6	265	11	6.8	0.00
25/10/2022 23:50	4.0	267	11	5.2	0.00
26/10/2022 00:00	3.9	268	13	5.5	0.00
26/10/2022 00:10	3.9	268	12	5.2	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/10/2022 00:20	4.0	267	11	5.0	0.00
26/10/2022 00:30	3.8	264	10	5.0	0.00
26/10/2022 00:40	3.9	262	10	5.1	0.00
26/10/2022 00:50	3.6	264	9	5.2	0.00
26/10/2022 01:00	2.9	264	10	4.0	0.00
26/10/2022 01:10	2.9	262	10	3.8	0.00
26/10/2022 01:20	2.9	262	9	3.5	0.00
26/10/2022 01:30	2.6	260	9	3.5	0.00
26/10/2022 01:40	2.8	265	8	3.7	0.00
26/10/2022 01:50	2.7	263	7	3.4	0.00
26/10/2022 02:00	2.8	263	7	3.4	0.00
26/10/2022 02:10	2.2	256	9	3.0	0.00
26/10/2022 02:20	1.7	258	11	2.3	0.00
26/10/2022 02:30	1.8	255	10	2.6	0.00
26/10/2022 02:40	1.7	244	12	2.2	0.00
26/10/2022 02:50	1.6	240	9	2.1	0.00
26/10/2022 03:00	1.4	240	10	2.2	0.00
26/10/2022 03:10	1.4	239	12	2.2	0.00
26/10/2022 03:20	1.9	249	12	2.8	0.00
26/10/2022 03:30	1.2	239	18	2.0	0.00
26/10/2022 03:40	1.1	223	22	1.7	0.00
26/10/2022 03:50	0.9	251	21	1.4	0.00
26/10/2022 04:00	1.2	241	22	2.0	0.00
26/10/2022 04:10	1.7	244	13	2.3	0.00
26/10/2022 04:20	1.8	242	12	2.6	0.00
26/10/2022 04:30	2.0	246	14	2.8	0.00
26/10/2022 04:40	2.0	243	14	2.8	0.00
26/10/2022 04:50	1.7	237	13	2.3	0.00
26/10/2022 05:00	0.8	222	56	1.6	0.00
26/10/2022 05:10	0.9	216	50	1.7	0.00
26/10/2022 05:20	0.9	191	60	2.0	0.00
26/10/2022 05:30	1.0	164	36	1.9	0.00
26/10/2022 05:40	1.1	198	43	2.3	0.00
26/10/2022 05:50	1.0	205	50	2.1	0.00
26/10/2022 06:00	0.9	157	43	1.7	0.00
26/10/2022 06:10	1.1	109	21	1.5	0.00
26/10/2022 06:20	0.9	101	29	1.5	0.00
26/10/2022 06:30	0.8	140	32	1.2	0.00
26/10/2022 06:40	0.4	177	48	1.1	0.00
26/10/2022 06:50	0.6	207	30	1.3	0.00
26/10/2022 07:00	0.6	187	38	1.1	0.00
26/10/2022 07:10	2.1	144	28	3.5	0.00
26/10/2022 07:20	2.4	138	19	3.6	0.00
26/10/2022 07:30	2.5	145	24	3.4	0.00
26/10/2022 07:40	2.8	136	19	4.0	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/10/2022 07:50	3.1	132	17	4.8	0.00
26/10/2022 08:00	3.1	132	18	4.4	0.00
26/10/2022 08:10	3.3	130	18	4.4	0.00
26/10/2022 08:20	3.5	128	17	5.2	0.00
26/10/2022 08:30	3.7	132	16	5.6	0.00
26/10/2022 08:40	4.1	125	20	5.5	0.00
26/10/2022 08:50	4.5	125	18	6.8	0.00
26/10/2022 09:00	4.4	108	16	6.1	0.00
26/10/2022 09:10	5.0	97	10	6.7	0.00
26/10/2022 09:20	4.4	103	14	6.6	0.00
26/10/2022 09:30	4.4	104	14	6.1	0.00
26/10/2022 09:40	4.4	100	15	5.7	0.00
26/10/2022 09:50	4.8	97	13	6.4	0.00
26/10/2022 10:00	5.5	88	13	7.2	0.00
26/10/2022 10:10	5.3	86	13	7.8	0.00
26/10/2022 10:20	5.6	91	15	7.8	0.00
26/10/2022 10:30	5.7	89	12	7.3	0.00
26/10/2022 10:40	5.7	87	12	7.5	0.00
26/10/2022 10:50	5.2	89	15	7.1	0.00
26/10/2022 11:00	5.6	78	13	7.5	0.00
26/10/2022 11:10	6.2	78	13	8.5	0.00
26/10/2022 11:20	6.2	82	12	8.2	0.00
26/10/2022 11:30	6.5	80	13	8.6	0.00
26/10/2022 11:40	6.2	78	12	8.3	0.00
26/10/2022 11:50	6.9	76	13	9.8	0.00
26/10/2022 12:00	6.5	75	11	9.0	0.00
26/10/2022 12:10	6.1	76	15	7.9	0.00
26/10/2022 12:20	7.0	76	12	8.9	0.00
26/10/2022 12:30	6.5	76	15	8.6	0.00
26/10/2022 12:40	6.5	70	12	8.3	0.00
26/10/2022 12:50	6.7	69	10	9.6	0.00
26/10/2022 13:00	6.5	71	13	8.7	0.00
26/10/2022 13:10	6.2	66	15	9.0	0.00
26/10/2022 13:20	6.5	66	13	9.1	0.00
26/10/2022 13:30	6.6	66	12	8.8	0.00
26/10/2022 13:40	6.1	61	13	8.7	0.00
26/10/2022 13:50	5.6	62	13	7.6	0.00
26/10/2022 14:00	6.7	61	13	9.1	0.00
26/10/2022 14:10	6.5	59	12	9.1	0.00
26/10/2022 14:20	6.0	53	15	8.4	0.00
26/10/2022 14:30	6.1	57	14	8.0	0.00
26/10/2022 14:40	5.1	43	17	7.5	0.00
26/10/2022 14:50	4.3	181	25	6.9	0.00
26/10/2022 15:00	3.9	177	21	6.0	0.00
26/10/2022 15:10	3.9	180	21	5.9	0.00





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/10/2022 15:20	3.6	175	25	6.0	0.00
26/10/2022 15:30	3.8	180	22	6.2	0.00
26/10/2022 15:40	3.1	181	26	5.8	0.00
26/10/2022 15:50	3.4	8	25	5.3	0.00
26/10/2022 16:00	2.8	180	31	4.4	0.00
26/10/2022 16:10	2.4	20	30	4.2	0.00
26/10/2022 16:20	3.6	339	21	5.7	0.00
26/10/2022 16:30	4.1	349	21	6.1	0.00
26/10/2022 16:40	4.2	345	16	6.4	0.00
26/10/2022 16:50	4.1	346	24	6.3	0.00
26/10/2022 17:00	4.0	178	22	6.4	0.00
26/10/2022 17:10	3.2	348	24	4.7	0.00
26/10/2022 17:20	3.6	312	20	5.6	0.00
26/10/2022 17:30	3.9	297	14	5.5	0.00
26/10/2022 17:40	3.4	293	11	4.4	0.00
26/10/2022 17:50	3.7	296	11	4.9	0.00
26/10/2022 18:00	4.4	297	10	5.5	0.00
26/10/2022 18:10	3.8	302	11	5.2	0.00
26/10/2022 18:20	3.2	298	12	4.3	0.00
26/10/2022 18:30	3.1	300	12	4.1	0.00
26/10/2022 18:40	3.3	298	11	4.2	0.00
26/10/2022 18:50	3.2	298	10	4.4	0.00
26/10/2022 19:00	2.5	295	16	3.5	0.00
26/10/2022 19:10	2.6	264	14	3.4	0.00
26/10/2022 19:20	3.5	260	9	4.4	0.00
26/10/2022 19:30	3.8	264	8	4.7	0.00
26/10/2022 19:40	3.7	262	9	4.9	0.00
26/10/2022 19:50	3.3	263	10	4.4	0.00
26/10/2022 20:00	3.6	264	10	4.4	0.00
26/10/2022 20:10	3.6	261	9	4.4	0.00
26/10/2022 20:20	3.6	261	9	4.7	0.00
26/10/2022 20:30	3.6	263	9	4.8	0.00
26/10/2022 20:40	3.5	262	8	4.6	0.00
26/10/2022 20:50	3.0	260	9	4.2	0.00
26/10/2022 21:00	3.3	260	12	4.5	0.00
26/10/2022 21:10	3.3	258	12	4.4	0.00
26/10/2022 21:20	3.5	255	13	5.2	0.00
26/10/2022 21:30	3.3	253	12	4.6	0.00
26/10/2022 21:40	3.9	251	13	5.3	0.00
26/10/2022 21:50	4.0	255	13	5.3	0.00
26/10/2022 22:00	3.1	256	11	4.6	0.00
26/10/2022 22:10	3.1	253	13	4.4	0.00
26/10/2022 22:20	3.2	253	11	4.4	0.00
26/10/2022 22:30	3.9	254	12	5.2	0.00
26/10/2022 22:40	3.9	247	11	5.7	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/10/2022 22:50	3.9	252	13	5.6	0.00
26/10/2022 23:00	4.1	253	11	5.9	0.00
26/10/2022 23:10	4.4	254	12	5.9	0.00
26/10/2022 23:20	4.4	256	12	6.0	0.00
26/10/2022 23:30	4.0	255	12	5.6	0.00
26/10/2022 23:40	3.9	252	13	5.2	0.00
26/10/2022 23:50	4.2	253	11	5.6	0.00
27/10/2022 00:00	4.2	253	10	5.5	0.00
27/10/2022 00:10	4.2	255	11	5.5	0.00
27/10/2022 00:20	3.7	258	10	4.8	0.00
27/10/2022 00:30	4.0	254	11	5.3	0.00
27/10/2022 00:40	4.3	255	11	5.6	0.00
27/10/2022 00:50	4.2	254	10	5.6	0.00
27/10/2022 01:00	4.2	255	11	5.6	0.00
27/10/2022 01:10	4.6	256	10	5.8	0.00
27/10/2022 01:20	4.7	258	10	6.4	0.00
27/10/2022 01:30	4.8	258	10	6.6	0.00
27/10/2022 01:40	4.4	255	12	5.8	0.00
27/10/2022 01:50	4.1	262	11	6.4	0.00
27/10/2022 02:00	4.2	258	10	5.6	0.00
27/10/2022 02:10	4.9	259	9	6.4	0.00
27/10/2022 02:20	4.7	257	10	6.1	0.00
27/10/2022 02:30	4.6	256	9	6.1	0.00
27/10/2022 02:40	5.0	254	11	6.7	0.00
27/10/2022 02:50	5.4	255	11	6.9	0.00
27/10/2022 03:00	5.1	254	11	6.8	0.00
27/10/2022 03:10	4.8	256	11	6.2	0.00
27/10/2022 03:20	5.0	257	10	6.8	0.00
27/10/2022 03:30	5.3	255	9	6.8	0.00
27/10/2022 03:40	5.2	257	11	6.7	0.00
27/10/2022 03:50	4.6	255	10	6.2	0.00
27/10/2022 04:00	5.2	254	12	7.1	0.00
27/10/2022 04:10	4.7	253	11	6.7	0.00
27/10/2022 04:20	4.2	253	12	6.1	0.00
27/10/2022 04:30	4.2	252	11	5.6	0.00
27/10/2022 04:40	4.1	256	11	5.2	0.00
27/10/2022 04:50	4.3	258	9	5.8	0.00
27/10/2022 05:00	3.7	255	11	4.8	0.00
27/10/2022 05:10	3.9	257	11	5.2	0.00
27/10/2022 05:20	4.3	257	12	5.4	0.00
27/10/2022 05:30	3.9	254	10	5.4	0.00
27/10/2022 05:40	4.1	255	11	5.7	0.00
27/10/2022 05:50	3.9	253	11	5.2	0.00
27/10/2022 06:00	3.6	256	11	4.8	0.00
27/10/2022 06:10	4.1	254	11	5.4	0.00



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/10/2022 06:20	3.9	255	11	5.0	0.00
27/10/2022 06:30	3.1	246	11	4.6	0.00
27/10/2022 06:40	3.5	244	12	4.8	0.00
27/10/2022 06:50	3.4	241	12	4.7	0.00
27/10/2022 07:00	3.5	245	13	4.8	0.00
27/10/2022 07:10	3.5	249	13	4.6	0.00
27/10/2022 07:20	4.0	244	12	5.5	0.00
27/10/2022 07:30	3.7	244	14	4.8	0.00
27/10/2022 07:40	3.4	248	17	4.2	0.00
27/10/2022 07:50	3.5	242	13	4.8	0.00
27/10/2022 08:00	3.5	264	16	4.9	0.00
27/10/2022 08:10	3.4	261	15	4.6	0.00
27/10/2022 08:20	3.8	256	15	5.0	0.00
27/10/2022 08:30	3.6	260	14	4.6	0.00
27/10/2022 08:40	3.7	259	17	5.0	0.00
27/10/2022 08:50	3.7	261	15	4.8	0.00
27/10/2022 09:00	3.8	257	18	5.2	0.00
27/10/2022 09:10	4.1	267	16	5.5	0.00
27/10/2022 09:20	4.6	263	13	6.0	0.00
27/10/2022 09:30	4.7	262	13	6.1	0.00
27/10/2022 09:40	4.8	262	11	6.3	0.00
27/10/2022 09:50	5.3	260	11	6.8	0.00
27/10/2022 10:00	5.3	261	13	6.8	0.00
27/10/2022 10:10	5.3	267	14	7.3	0.00
27/10/2022 10:20	5.2	267	15	6.8	0.00
27/10/2022 10:30	4.6	262	16	6.3	0.00
27/10/2022 10:40	4.8	249	15	6.8	0.00
27/10/2022 10:50	5.0	262	13	6.7	0.00
27/10/2022 11:00	4.9	260	15	7.0	0.00
27/10/2022 11:10	5.1	258	14	6.6	0.00
27/10/2022 11:20	4.9	261	13	6.0	0.00
27/10/2022 11:30	5.0	258	12	6.5	0.00
27/10/2022 11:40	4.9	255	13	6.4	0.00
27/10/2022 11:50	4.8	263	13	6.7	0.00
27/10/2022 12:00	4.2	270	19	6.1	0.00
27/10/2022 12:10	4.8	263	21	7.5	0.00
27/10/2022 12:20	5.0	266	15	6.8	0.00
27/10/2022 12:30	4.6	281	16	6.6	0.00
27/10/2022 12:40	5.1	295	15	6.8	0.00
27/10/2022 12:50	5.1	294	19	6.9	0.00
27/10/2022 13:00	5.3	291	17	7.2	0.00
27/10/2022 13:10	5.4	294	13	7.5	0.00
27/10/2022 13:20	5.8	294	11	7.6	0.00
27/10/2022 13:30	5.7	292	13	8.3	0.00
27/10/2022 13:40	5.4	302	15	7.9	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/10/2022 13:50	5.6	307	14	7.5	0.00
27/10/2022 14:00	5.4	309	16	7.9	0.00
27/10/2022 14:10	5.4	304	17	7.8	0.00
27/10/2022 14:20	5.7	297	15	8.2	0.00
27/10/2022 14:30	5.5	292	16	7.7	0.00
27/10/2022 14:40	5.6	296	15	7.5	0.00
27/10/2022 14:50	5.7	300	14	7.6	0.00
27/10/2022 15:00	5.3	304	18	7.2	0.00
27/10/2022 15:10	5.2	298	17	7.5	0.00
27/10/2022 15:20	5.8	299	12	7.9	0.00
27/10/2022 15:30	5.8	297	12	8.0	0.00
27/10/2022 15:40	5.2	299	16	7.2	0.00
27/10/2022 15:50	5.0	301	15	6.8	0.00
27/10/2022 16:00	5.3	302	16	7.7	0.00
27/10/2022 16:10	5.6	304	13	7.6	0.00
27/10/2022 16:20	6.1	305	15	8.1	0.00
27/10/2022 16:30	5.9	299	12	7.8	0.00
27/10/2022 16:40	5.3	300	14	7.3	0.00
27/10/2022 16:50	5.6	297	13	7.4	0.00
27/10/2022 17:00	5.6	302	12	7.5	0.00
27/10/2022 17:10	5.8	297	13	7.8	0.00
27/10/2022 17:20	5.3	295	13	7.5	0.00
27/10/2022 17:30	5.1	296	15	7.2	0.00
27/10/2022 17:40	5.4	297	12	7.4	0.00
27/10/2022 17:50	5.0	291	14	6.8	0.00
27/10/2022 18:00	5.1	293	12	6.8	0.00
27/10/2022 18:10	5.1	292	12	6.7	0.00
27/10/2022 18:20	4.9	296	12	6.9	0.00
27/10/2022 18:30	4.3	293	14	6.0	0.00
27/10/2022 18:40	4.5	292	14	6.5	0.00
27/10/2022 18:50	4.8	288	13	6.6	0.00
27/10/2022 19:00	4.3	284	15	5.7	0.00
27/10/2022 19:10	4.2	288	16	5.9	0.00
27/10/2022 19:20	4.0	281	15	5.5	0.00
27/10/2022 19:30	4.0	279	15	5.7	0.00
27/10/2022 19:40	3.9	270	13	5.4	0.00
27/10/2022 19:50	4.1	273	13	6.0	0.00
27/10/2022 20:00	3.8	272	14	5.6	0.00
27/10/2022 20:10	4.0	275	15	5.6	0.00
27/10/2022 20:20	4.2	269	15	6.0	0.00
27/10/2022 20:30	4.2	274	16	6.0	0.00
27/10/2022 20:40	4.5	274	15	6.2	0.00
27/10/2022 20:50	4.2	275	14	5.8	0.00
27/10/2022 21:00	4.0	273	14	5.3	0.00
27/10/2022 21:10	3.3	279	18	5.2	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/10/2022 21:20	3.6	277	15	5.3	0.00
27/10/2022 21:30	3.8	272	16	5.6	0.00
27/10/2022 21:40	3.8	274	16	5.5	0.00
27/10/2022 21:50	4.2	273	14	5.9	0.00
27/10/2022 22:00	4.4	271	14	5.9	0.00
27/10/2022 22:10	3.9	273	15	5.6	0.00
27/10/2022 22:20	4.9	269	12	6.9	0.00
27/10/2022 22:30	5.1	266	10	6.8	0.00
27/10/2022 22:40	6.2	264	10	8.7	0.00
27/10/2022 22:50	6.3	262	9	8.7	0.00
27/10/2022 23:00	5.6	264	11	7.6	0.00
27/10/2022 23:10	6.0	264	10	8.3	0.00
27/10/2022 23:20	5.9	264	10	7.8	0.00
27/10/2022 23:30	6.0	263	11	7.7	0.00
27/10/2022 23:40	5.7	263	11	7.9	0.00
27/10/2022 23:50	5.9	264	10	8.2	0.00
28/10/2022 00:00	5.6	265	11	7.9	0.00
28/10/2022 00:10	6.3	263	11	8.4	0.00
28/10/2022 00:20	6.2	263	10	8.5	0.00
28/10/2022 00:30	5.6	261	12	7.4	0.00
28/10/2022 00:40	6.2	265	10	8.3	0.00
28/10/2022 00:50	5.9	263	10	7.6	0.00
28/10/2022 01:00	5.9	263	12	7.6	0.00
28/10/2022 01:10	6.2	261	10	8.3	0.00
28/10/2022 01:20	6.2	261	11	8.8	0.00
28/10/2022 01:30	5.8	260	13	7.9	0.00
28/10/2022 01:40	6.0	263	10	8.0	0.00
28/10/2022 01:50	5.1	256	12	7.8	0.00
28/10/2022 02:00	6.0	264	10	8.0	0.00
28/10/2022 02:10	5.8	260	9	8.0	0.00
28/10/2022 02:20	5.6	258	11	7.7	0.00
28/10/2022 02:30	5.2	259	13	7.9	0.00
28/10/2022 02:40	5.9	264	11	8.1	0.00
28/10/2022 02:50	5.7	259	11	8.1	0.00
28/10/2022 03:00	5.6	262	10	7.7	0.00
28/10/2022 03:10	6.2	261	12	8.8	0.00
28/10/2022 03:20	5.6	257	12	7.6	0.00
28/10/2022 03:30	5.5	256	11	7.5	0.00
28/10/2022 03:40	5.3	256	12	7.5	0.00
28/10/2022 03:50	5.2	257	10	7.3	0.00
28/10/2022 04:00	6.0	257	13	7.9	0.00
28/10/2022 04:10	5.1	257	11	6.9	0.00
28/10/2022 04:20	4.6	255	12	6.5	0.00
28/10/2022 04:30	5.0	254	11	7.6	0.00
28/10/2022 04:40	4.7	257	12	6.7	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/10/2022 04:50	4.2	250	12	6.0	0.00
28/10/2022 05:00	3.8	249	14	5.4	0.00
28/10/2022 05:10	3.3	241	13	4.8	0.00
28/10/2022 05:20	2.6	237	17	4.0	0.00
28/10/2022 05:30	3.6	247	14	5.6	0.00
28/10/2022 05:40	3.9	249	12	5.4	0.00
28/10/2022 05:50	3.2	245	14	4.8	0.00
28/10/2022 06:00	2.5	233	14	3.7	0.00
28/10/2022 06:10	3.3	232	12	4.8	0.00
28/10/2022 06:20	3.9	237	13	5.8	0.00
28/10/2022 06:30	3.4	243	13	4.6	0.00
28/10/2022 06:40	3.8	244	15	5.1	0.00
28/10/2022 06:50	4.6	247	13	6.4	0.00
28/10/2022 07:00	4.5	246	11	6.8	0.00
28/10/2022 07:10	4.9	252	14	6.5	0.00
28/10/2022 07:20	5.0	253	11	6.8	0.00
28/10/2022 07:30	5.3	253	12	6.9	0.00
28/10/2022 07:40	5.4	251	12	7.0	0.00
28/10/2022 07:50	5.6	257	14	7.9	0.00
28/10/2022 08:00	6.0	256	12	8.1	0.00
28/10/2022 08:10	6.0	260	13	7.5	0.00
28/10/2022 08:20	5.8	255	12	7.8	0.00
28/10/2022 08:30	6.4	259	14	8.9	0.00
28/10/2022 08:40	6.0	258	12	8.2	0.00
28/10/2022 08:50	6.3	255	15	8.9	0.00
28/10/2022 09:00	6.3	263	12	8.1	0.00
28/10/2022 09:10	6.0	260	14	8.3	0.00
28/10/2022 09:20	6.3	261	13	8.7	0.00
28/10/2022 09:30	6.9	260	12	9.5	0.00
28/10/2022 09:40	5.8	259	14	8.5	0.00
28/10/2022 09:50	7.1	260	10	9.8	0.00
28/10/2022 10:00	6.7	262	13	9.3	0.00
28/10/2022 10:10	6.9	265	12	9.1	0.00
28/10/2022 10:20	7.6	261	13	10.7	0.00
28/10/2022 10:30	6.9	259	15	9.1	0.00
28/10/2022 10:40	7.5	261	11	9.8	0.00
28/10/2022 10:50	6.6	259	15	9.0	0.00
28/10/2022 11:00	7.1	262	11	10.4	0.00
28/10/2022 11:10	7.8	259	12	10.6	0.00
28/10/2022 11:20	7.4	262	13	10.6	0.00
28/10/2022 11:30	7.7	260	13	9.9	0.00
28/10/2022 11:40	8.3	261	12	10.8	0.00
28/10/2022 11:50	7.6	260	13	10.1	0.00
28/10/2022 12:00	7.2	260	13	9.9	0.00
28/10/2022 12:10	7.9	253	14	10.8	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/10/2022 12:20	7.8	255	14	10.4	0.00
28/10/2022 12:30	8.2	262	12	11.2	0.00
28/10/2022 12:40	7.9	264	15	11.0	0.00
28/10/2022 12:50	8.3	263	13	11.0	0.00
28/10/2022 13:00	8.5	262	12	11.1	0.00
28/10/2022 13:10	8.4	263	11	11.5	0.00
28/10/2022 13:20	8.1	261	11	10.8	0.00
28/10/2022 13:30	7.4	259	14	9.8	0.00
28/10/2022 13:40	8.1	265	13	10.7	0.00
28/10/2022 13:50	8.0	261	11	10.6	0.00
28/10/2022 14:00	7.4	261	13	9.7	0.00
28/10/2022 14:10	6.9	262	14	9.8	0.00
28/10/2022 14:20	7.6	261	12	10.6	0.00
28/10/2022 14:30	7.4	256	14	9.9	0.00
28/10/2022 14:40	7.2	259	15	9.1	0.00
28/10/2022 14:50	7.0	261	12	10.0	0.00
28/10/2022 15:00	6.8	259	12	9.3	0.00
28/10/2022 15:10	6.9	258	14	9.1	0.00
28/10/2022 15:20	6.5	260	12	8.9	0.00
28/10/2022 15:30	7.0	257	13	9.1	0.00
28/10/2022 15:40	6.8	253	13	9.4	0.00
28/10/2022 15:50	6.9	257	13	9.4	0.00
28/10/2022 16:00	6.5	259	13	8.5	0.00
28/10/2022 16:10	6.6	259	11	8.7	0.00
28/10/2022 16:20	7.1	265	10	9.2	0.00
28/10/2022 16:30	7.0	263	12	8.9	0.00
28/10/2022 16:40	7.3	263	12	9.9	0.00
28/10/2022 16:50	6.7	261	13	9.1	0.00
28/10/2022 17:00	7.2	262	11	9.3	0.00
28/10/2022 17:10	7.0	262	11	9.7	0.00
28/10/2022 17:20	7.0	262	12	9.1	0.00
28/10/2022 17:30	6.1	264	13	8.4	0.00
28/10/2022 17:40	6.5	261	12	8.8	0.00
28/10/2022 17:50	7.0	262	11	9.0	0.00
28/10/2022 18:00	6.6	263	9	9.1	0.00
28/10/2022 18:10	6.7	264	11	9.2	0.00
28/10/2022 18:20	6.8	264	10	9.1	0.00
28/10/2022 18:30	6.9	263	12	8.7	0.00
28/10/2022 18:40	6.7	263	11	8.9	0.00
28/10/2022 18:50	6.2	265	11	8.7	0.00
28/10/2022 19:00	6.5	263	10	8.5	0.00
28/10/2022 19:10	6.9	265	11	9.9	0.00
28/10/2022 19:20	6.9	263	10	9.0	0.00
28/10/2022 19:30	7.0	263	9	8.9	0.00
28/10/2022 19:40	6.9	264	11	9.5	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/10/2022 19:50	7.0	263	12	8.6	0.00
28/10/2022 20:00	7.2	264	9	9.3	0.00
28/10/2022 20:10	6.8	262	10	8.9	0.00
28/10/2022 20:20	6.5	263	10	8.8	0.00
28/10/2022 20:30	6.4	261	12	8.7	0.00
28/10/2022 20:40	6.5	262	11	8.5	0.00
28/10/2022 20:50	7.1	263	11	9.2	0.00
28/10/2022 21:00	6.4	261	12	9.1	0.00
28/10/2022 21:10	6.9	261	12	9.5	0.00
28/10/2022 21:20	7.3	255	12	9.2	0.00
28/10/2022 21:30	6.9	261	12	9.1	0.00
28/10/2022 21:40	6.3	260	11	8.6	0.00
28/10/2022 21:50	6.7	258	10	9.4	0.00
28/10/2022 22:00	6.2	259	10	8.6	0.00
28/10/2022 22:10	6.5	262	10	8.8	0.00
28/10/2022 22:20	6.9	261	11	9.6	0.00
28/10/2022 22:30	6.6	260	13	9.7	0.00
28/10/2022 22:40	7.3	262	10	9.5	0.00
28/10/2022 22:50	7.3	265	10	9.7	0.00
28/10/2022 23:00	6.9	263	11	9.1	0.00
28/10/2022 23:10	7.3	261	10	10.3	0.00
28/10/2022 23:20	7.3	258	10	10.2	0.00
28/10/2022 23:30	7.0	257	11	10.2	0.00
28/10/2022 23:40	7.3	262	12	10.3	0.00
28/10/2022 23:50	6.9	261	10	10.2	0.00
29/10/2022 00:00	7.2	255	12	10.7	0.00
29/10/2022 00:10	6.9	259	12	9.9	0.00
29/10/2022 00:20	6.9	259	11	9.6	0.00
29/10/2022 00:30	6.9	261	9	9.9	0.00
29/10/2022 00:40	6.8	262	10	9.5	0.00
29/10/2022 00:50	7.1	261	12	9.4	0.00
29/10/2022 01:00	7.0	262	11	9.5	0.00
29/10/2022 01:10	6.7	258	12	9.4	0.00
29/10/2022 01:20	6.8	255	11	9.0	0.00
29/10/2022 01:30	6.9	259	11	9.4	0.00
29/10/2022 01:40	5.6	248	13	8.3	0.00
29/10/2022 01:50	5.1	240	13	8.0	0.00
29/10/2022 02:00	5.1	240	13	7.0	0.00
29/10/2022 02:10	6.0	241	13	8.5	0.00
29/10/2022 02:20	4.8	242	14	7.0	0.00
29/10/2022 02:30	5.2	243	15	7.4	0.00
29/10/2022 02:40	6.2	241	14	8.9	0.00
29/10/2022 02:50	5.9	245	13	8.7	0.00
29/10/2022 03:00	6.2	241	14	9.7	0.00
29/10/2022 03:10	6.8	246	12	9.7	0.00





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/10/2022 03:20	6.1	243	13	9.0	0.00
29/10/2022 03:30	5.8	242	14	8.2	0.00
29/10/2022 03:40	6.2	239	14	9.7	0.00
29/10/2022 03:50	5.5	239	13	7.2	0.00
29/10/2022 04:00	5.9	239	14	8.8	0.00
29/10/2022 04:10	5.9	239	11	8.5	0.00
29/10/2022 04:20	5.4	243	13	9.5	0.00
29/10/2022 04:30	5.7	238	14	7.7	0.00
29/10/2022 04:40	5.2	238	11	7.7	0.00
29/10/2022 04:50	4.6	238	12	7.3	0.00
29/10/2022 05:00	4.5	236	13	6.9	0.00
29/10/2022 05:10	5.1	240	12	7.0	0.00
29/10/2022 05:20	5.0	243	12	6.9	0.00
29/10/2022 05:30	4.0	235	13	5.9	0.00
29/10/2022 05:40	4.1	235	16	6.0	0.00
29/10/2022 05:50	4.1	239	15	6.1	0.00
29/10/2022 06:00	4.0	239	15	6.4	0.00
29/10/2022 06:10	4.2	242	13	6.4	0.00
29/10/2022 06:20	4.6	245	14	6.4	0.00
29/10/2022 06:30	4.7	234	14	7.2	0.00
29/10/2022 06:40	5.2	233	14	7.1	0.00
29/10/2022 06:50	4.8	230	17	7.0	0.00
29/10/2022 07:00	5.0	232	17	7.5	0.00
29/10/2022 07:10	5.0	229	15	7.5	0.00
29/10/2022 07:20	5.0	238	16	6.9	0.00
29/10/2022 07:30	5.3	233	16	7.1	0.00
29/10/2022 07:40	4.8	235	14	6.6	0.00
29/10/2022 07:50	4.9	229	18	7.4	0.00
29/10/2022 08:00	4.9	223	14	6.8	0.00
29/10/2022 08:10	5.2	221	15	7.2	0.00
29/10/2022 08:20	5.4	226	17	7.2	0.00
29/10/2022 08:30	5.8	231	15	8.1	0.00
29/10/2022 08:40	6.8	231	18	9.6	0.00
29/10/2022 08:50	7.2	234	16	10.3	0.00
29/10/2022 09:00	7.1	232	16	9.9	0.00
29/10/2022 09:10	6.4	242	15	9.1	0.00
29/10/2022 09:20	7.0	248	15	9.5	0.00
29/10/2022 09:30	6.8	252	13	8.8	0.00
29/10/2022 09:40	7.3	256	12	9.5	0.00
29/10/2022 09:50	6.8	250	13	9.2	0.00
29/10/2022 10:00	6.8	251	15	9.4	0.00
29/10/2022 10:10	7.0	251	14	9.9	0.00
29/10/2022 10:20	7.2	246	14	10.3	0.00
29/10/2022 10:30	6.4	249	12	8.7	0.00
29/10/2022 10:40	7.3	259	13	9.9	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/10/2022 10:50	7.3	264	13	10.0	0.00
29/10/2022 11:00	7.1	264	12	9.6	0.00
29/10/2022 11:10	7.8	266	10	10.7	0.00
29/10/2022 11:20	7.3	270	14	9.5	0.00
29/10/2022 11:30	7.8	265	13	9.9	0.00
29/10/2022 11:40	7.6	267	14	10.0	0.00
29/10/2022 11:50	7.7	263	12	10.3	0.00
29/10/2022 12:00	8.2	265	13	10.8	0.00
29/10/2022 12:10	7.8	264	12	10.4	0.00
29/10/2022 12:20	8.6	263	11	11.1	0.00
29/10/2022 12:30	8.4	264	13	11.3	0.00
29/10/2022 12:40	8.5	267	14	11.5	0.00
29/10/2022 12:50	9.0	265	12	11.8	0.00
29/10/2022 13:00	8.1	261	11	10.8	0.00
29/10/2022 13:10	7.7	263	13	10.4	0.00
29/10/2022 13:20	8.7	264	11	11.1	0.00
29/10/2022 13:30	7.8	265	14	10.7	0.00
29/10/2022 13:40	8.5	262	11	12.0	0.00
29/10/2022 13:50	8.6	261	11	11.2	0.00
29/10/2022 14:00	8.1	264	10	11.4	0.00
29/10/2022 14:10	7.7	264	11	11.0	0.00
29/10/2022 14:20	8.3	263	14	11.4	0.00
29/10/2022 14:30	8.1	267	14	11.8	0.00
29/10/2022 14:40	8.5	263	11	12.0	0.00
29/10/2022 14:50	8.9	262	12	11.6	0.00
29/10/2022 15:00	8.3	264	10	11.1	0.00
29/10/2022 15:10	8.9	263	13	11.9	0.00
29/10/2022 15:20	8.6	263	11	11.2	0.00
29/10/2022 15:30	8.7	262	11	12.2	0.00
29/10/2022 15:40	8.4	265	16	11.0	0.00
29/10/2022 15:50	8.2	264	14	11.5	0.00
29/10/2022 16:00	9.3	263	10	13.1	0.00
29/10/2022 16:10	9.0	261	11	12.1	0.00
29/10/2022 16:20	9.0	259	12	11.9	0.00
29/10/2022 16:30	8.9	262	11	11.5	0.00
29/10/2022 16:40	8.6	261	12	12.1	0.00
29/10/2022 16:50	8.8	259	11	12.2	0.00
29/10/2022 17:00	8.5	264	12	11.9	0.00
29/10/2022 17:10	8.8	260	10	11.9	0.00
29/10/2022 17:20	9.0	263	12	11.5	0.00
29/10/2022 17:30	8.4	255	11	11.2	0.00
29/10/2022 17:40	8.9	262	10	11.9	0.00
29/10/2022 17:50	7.7	258	13	11.7	0.00
29/10/2022 18:00	8.3	259	11	10.6	0.00
29/10/2022 18:10	7.7	260	12	11.1	0.00



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/10/2022 18:20	7.9	257	12	10.6	0.00
29/10/2022 18:30	8.7	254	14	13.3	0.00
29/10/2022 18:40	9.2	256	11	13.5	0.00
29/10/2022 18:50	9.5	258	12	13.1	0.00
29/10/2022 19:00	8.7	258	12	12.3	0.00
29/10/2022 19:10	8.4	258	11	11.2	0.00
29/10/2022 19:20	7.7	257	12	10.3	0.00
29/10/2022 19:30	8.3	261	10	12.1	0.00
29/10/2022 19:40	7.6	262	10	11.0	0.00
29/10/2022 19:50	8.0	263	11	10.4	0.00
29/10/2022 20:00	7.1	260	11	10.4	0.00
29/10/2022 20:10	7.5	260	12	10.4	0.00
29/10/2022 20:20	7.9	260	10	11.3	0.00
29/10/2022 20:30	7.6	263	12	10.3	0.00
29/10/2022 20:40	7.7	261	11	10.9	0.00
29/10/2022 20:50	7.1	262	11	9.5	0.00
29/10/2022 21:00	7.4	261	11	10.3	0.00
29/10/2022 21:10	6.9	255	11	9.3	0.00
29/10/2022 21:20	7.2	263	11	9.9	0.00
29/10/2022 21:30	7.0	258	10	9.9	0.00
29/10/2022 21:40	7.1	257	12	9.7	0.00
29/10/2022 21:50	7.2	254	11	10.7	0.00
29/10/2022 22:00	7.6	257	11	10.0	0.00
29/10/2022 22:10	8.2	254	12	11.2	0.00
29/10/2022 22:20	6.8	251	11	10.0	0.00
29/10/2022 22:30	8.6	255	13	11.3	0.00
29/10/2022 22:40	6.8	254	11	10.3	0.00
29/10/2022 22:50	7.0	253	13	10.3	0.00
29/10/2022 23:00	7.8	253	10	11.1	0.00
29/10/2022 23:10	7.2	249	12	9.7	0.00
29/10/2022 23:20	7.2	249	13	9.9	0.00
29/10/2022 23:30	7.5	245	12	10.0	0.00
29/10/2022 23:40	6.3	244	13	8.4	0.00
29/10/2022 23:50	6.9	244	13	9.7	0.00
30/10/2022 00:00	6.5	243	11	9.7	0.00
30/10/2022 00:10	6.7	246	11	9.1	0
30/10/2022 00:20	5.6	247	13	8.2	0
30/10/2022 00:30	6	247	14	8.8	0
30/10/2022 00:40	5.8	248	12	8.3	0
30/10/2022 00:50	6.3	250	12	9.5	0
30/10/2022 01:00	6.4	250	13	9.8	0
30/10/2022 01:10	6.4	247	12	9	0
30/10/2022 01:20	6	245	13	7.9	0
30/10/2022 01:30	6	244	13	8.6	0
30/10/2022 01:40	5	244	12	7.5	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/10/2022 01:50	4.9	243	14	6.5	0
30/10/2022 02:00	4.8	248	12	6.4	0
30/10/2022 02:10	5	249	13	6.8	0
30/10/2022 02:20	5	248	12	6.8	0
30/10/2022 02:30	4.4	250	13	6	0
30/10/2022 02:40	3.8	247	14	5.6	0
30/10/2022 02:50	3.9	250	12	6	0
30/10/2022 03:00	3.6	251	12	4.7	0
30/10/2022 03:10	3.5	252	13	5.6	0
30/10/2022 03:20	3.5	249	13	5	0
30/10/2022 03:30	3.3	250	13	5.1	0
30/10/2022 03:40	3.4	253	12	4.4	0
30/10/2022 03:50	3.3	246	14	4.8	0
30/10/2022 04:00	3.5	244	13	5.1	0
30/10/2022 04:10	4	244	11	5.6	0
30/10/2022 04:20	3.5	248	12	4.9	0
30/10/2022 04:30	3.4	249	13	4.7	0
30/10/2022 04:40	2.6	252	12	3.5	0
30/10/2022 04:50	2.4	251	11	3.3	0
30/10/2022 05:00	2.2	254	16	3.1	0
30/10/2022 05:10	2.8	251	13	4	0
30/10/2022 05:20	2.3	251	16	3.9	0
30/10/2022 05:30	2.8	250	16	3.8	0
30/10/2022 05:40	3	248	14	4.5	0
30/10/2022 05:50	3	248	13	4.8	0
30/10/2022 06:00	3.2	248	11	4.4	0
30/10/2022 06:10	3.2	245	12	4.8	0
30/10/2022 06:20	3	248	14	4.5	0
30/10/2022 06:30	3.4	239	14	4.6	0
30/10/2022 06:40	3.4	236	14	4.9	0
30/10/2022 06:50	3.7	229	15	6.5	0
30/10/2022 07:00	4.6	232	15	6.6	0
30/10/2022 07:10	4.2	234	15	6.1	0
30/10/2022 07:20	4.2	226	16	6.3	0
30/10/2022 07:30	4.1	230	15	5.6	0
30/10/2022 07:40	4.3	232	17	6.2	0
30/10/2022 07:50	4.2	231	17	6.5	0
30/10/2022 08:00	4	228	17	6.5	0
30/10/2022 08:10	4.2	223	18	6.4	0
30/10/2022 08:20	4.3	235	15	5.8	0
30/10/2022 08:30	4	229	18	5.6	0
30/10/2022 08:40	3.4	225	26	5.1	0
30/10/2022 08:50	3.1	226	25	4.4	0
30/10/2022 09:00	3.6	230	24	5.4	0
30/10/2022 09:10	3.9	232	16	5.1	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/10/2022 09:20	3.6	232	17	5.4	0
30/10/2022 09:30	3.4	233	20	5.5	0
30/10/2022 09:40	3.6	237	19	5.2	0
30/10/2022 09:50	3.7	231	21	5.6	0
30/10/2022 10:00	3.7	230	28	6.2	0
30/10/2022 10:10	3.8	226	20	6.4	0
30/10/2022 10:20	3.5	227	28	6.9	0
30/10/2022 10:30	4.7	246	19	7.3	0
30/10/2022 10:40	4.4	247	17	6.9	0
30/10/2022 10:50	4.2	260	27	6	0
30/10/2022 11:00	4.6	270	18	6.5	0
30/10/2022 11:10	5	278	17	6.7	0
30/10/2022 11:20	5.5	274	16	7.3	0
30/10/2022 11:30	5.7	270	16	7.7	0
30/10/2022 11:40	6.3	269	14	8.4	0
30/10/2022 11:50	6.2	279	15	8	0
30/10/2022 12:00	7.1	267	15	8.9	0
30/10/2022 12:10	6.7	269	14	9.1	0
30/10/2022 12:20	7.1	265	14	9.1	0
30/10/2022 12:30	7.7	262	11	9.8	0
30/10/2022 12:40	7.8	266	11	10.7	0
30/10/2022 12:50	8.2	262	9	10.6	0
30/10/2022 13:00	8	262	11	10.1	0
30/10/2022 13:10	7.6	264	11	10.4	0
30/10/2022 13:20	7.4	268	15	10.5	0
30/10/2022 13:30	7.9	265	11	10.4	0
30/10/2022 13:40	7.9	263	11	10.3	0
30/10/2022 13:50	8.2	262	10	10.7	0
30/10/2022 14:00	8.3	264	12	10.8	0
30/10/2022 14:10	7.6	262	13	10.1	0
30/10/2022 14:20	8.3	262	11	11.3	0
30/10/2022 14:30	8.2	264	12	10.9	0
30/10/2022 14:40	7.9	265	13	10.7	0
30/10/2022 14:50	8.5	264	11	11.1	0
30/10/2022 15:00	8.7	263	9	12	0
30/10/2022 15:10	9.2	263	10	12	0
30/10/2022 15:20	9.3	265	11	12.1	0
30/10/2022 15:30	9	265	11	11.9	0
30/10/2022 15:40	8.7	263	11	10.8	0
30/10/2022 15:50	8.6	264	10	11.1	0
30/10/2022 16:00	8.3	264	12	10.7	0
30/10/2022 16:10	8.7	265	9	10.8	0
30/10/2022 16:20	8.4	264	12	11.2	0
30/10/2022 16:30	8.3	264	11	11.9	0
30/10/2022 16:40	8.8	265	10	11.4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/10/2022 16:50	8.6	265	11	11.8	0
30/10/2022 17:00	7.6	266	11	10.4	0
30/10/2022 17:10	8.6	265	10	11.6	0
30/10/2022 17:20	8.2	263	11	10.3	0
30/10/2022 17:30	7.8	265	12	10.2	0
30/10/2022 17:40	7.6	266	10	10.1	0
30/10/2022 17:50	7.2	267	12	9.6	0
30/10/2022 18:00	6.3	269	11	8.7	0
30/10/2022 18:10	6.4	267	11	8.8	0
30/10/2022 18:20	5.9	271	13	8.5	0
30/10/2022 18:30	4.7	267	12	5.6	0
30/10/2022 18:40	5	273	13	7	0
30/10/2022 18:50	4.4	268	12	6	0
30/10/2022 19:00	2.8	248	16	4.3	0
30/10/2022 19:10	2.7	220	17	3.6	0
30/10/2022 19:20	2.7	214	15	3.6	0
30/10/2022 19:30	2.5	219	26	4	0
30/10/2022 19:40	2.1	212	35	2.8	0
30/10/2022 19:50	1.9	225	47	2.9	0
30/10/2022 20:00	1.6	240	71	3.1	0
30/10/2022 20:10	1.8	39	70	3.7	0
30/10/2022 20:20	1.9	46	81	3.4	0
30/10/2022 20:30	2.1	177	86	3.8	0
30/10/2022 20:40	2	210	80	3.4	0
30/10/2022 20:50	2.2	285	88	4.1	0
30/10/2022 21:00	1.8	182	84	3	0
30/10/2022 21:10	2	184	86	3.4	0
30/10/2022 21:20	1.9	162	79	2.8	0
30/10/2022 21:30	2	4	93	3.7	0
30/10/2022 21:40	2	317	77	3.2	0
30/10/2022 21:50	2	325	90	2.9	0
30/10/2022 22:00	1.9	334	83	3.9	0
30/10/2022 22:10	1.7	9	83	3.6	0
30/10/2022 22:20	2.2	300	90	3.4	0
30/10/2022 22:30	2	284	86	3.5	0
30/10/2022 22:40	1.7	166	78	3.4	0
30/10/2022 22:50	1.9	314	87	2.8	0
30/10/2022 23:00	1.9	321	81	3.1	0
30/10/2022 23:10	2	333	79	3.5	0
30/10/2022 23:20	1.9	308	86	3.4	0
30/10/2022 23:30	1.8	290	86	3.4	0
30/10/2022 23:40	1.8	170	85	3.3	0
30/10/2022 23:50	2.1	344	85	3.6	0
31/10/2022 00:00	2	38	82	3.6	0
31/10/2022 00:10	2.3	92	76	4.5	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/10/2022 00:20	2.3	62	95	3.8	0
31/10/2022 00:30	2	39	86	3.8	0
31/10/2022 00:40	2.2	42	86	4.4	0
31/10/2022 00:50	2.3	84	83	4.8	0
31/10/2022 01:00	2.4	88	78	4.4	0
31/10/2022 01:10	2	40	80	3.5	0
31/10/2022 01:20	2.1	15	92	3.9	0
31/10/2022 01:30	2.2	27	82	3.3	0
31/10/2022 01:40	2.1	50	86	3.9	0
31/10/2022 01:50	2.3	112	73	4	0
31/10/2022 02:00	2.1	81	85	3.8	0
31/10/2022 02:10	2.2	96	84	3.8	0
31/10/2022 02:20	2.1	106	73	3.5	0
31/10/2022 02:30	2.5	129	56	4.6	0
31/10/2022 02:40	2.1	146	55	4.2	0
31/10/2022 02:50	2.5	138	54	5	0
31/10/2022 03:00	2.6	139	47	4.3	0
31/10/2022 03:10	2.6	140	50	5	0
31/10/2022 03:20	2.6	138	46	4.8	0
31/10/2022 03:30	2.9	142	30	4.4	0
31/10/2022 03:40	3.4	145	26	4.9	0
31/10/2022 03:50	3.3	145	28	4.8	0
31/10/2022 04:00	3.1	151	34	4.8	0
31/10/2022 04:10	2.9	144	45	5.3	0
31/10/2022 04:20	3.2	144	37	5	0
31/10/2022 04:30	4	145	21	6.3	0
31/10/2022 04:40	4.2	142	19	6.2	0
31/10/2022 04:50	4.2	144	17	6.2	0
31/10/2022 05:00	4.5	140	15	6.3	0
31/10/2022 05:10	4.1	143	16	5.5	0
31/10/2022 05:20	4.1	140	16	5.8	0
31/10/2022 05:30	4.1	137	15	5.8	0
31/10/2022 05:40	4.9	131	17	7.5	0
31/10/2022 05:50	5.4	132	17	7.4	0
31/10/2022 06:00	5.3	128	15	7.1	0
31/10/2022 06:10	5.1	129	15	6.8	0
31/10/2022 06:20	4.9	131	14	6.9	0
31/10/2022 06:30	4.6	135	15	6.7	0
31/10/2022 06:40	4.6	134	15	6.8	0
31/10/2022 06:50	5	128	16	7.3	0
31/10/2022 07:00	5.8	127	14	7.9	0
31/10/2022 07:10	6.2	131	16	8.6	0
31/10/2022 07:20	6.9	129	17	9.7	0
31/10/2022 07:30	6.3	133	18	9.4	0
31/10/2022 07:40	6.4	133	16	8.8	0



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/10/2022 07:50	5.8	135	16	8.3	0
31/10/2022 08:00	5.7	131	16	8.1	0
31/10/2022 08:10	5.8	125	15	9.3	0
31/10/2022 08:20	6.2	119	13	9.4	0
31/10/2022 08:30	6.1	125	14	8.3	0
31/10/2022 08:40	5.7	132	16	8	0
31/10/2022 08:50	6.5	116	16	9.1	0
31/10/2022 09:00	6.7	113	14	10	0
31/10/2022 09:10	5.7	120	15	8.7	0
31/10/2022 09:20	6	112	14	8.7	0
31/10/2022 09:30	5.8	120	18	8.2	0
31/10/2022 09:40	6.4	116	13	9.2	0
31/10/2022 09:50	5.5	123	16	8.1	0
31/10/2022 10:00	5.1	122	18	7.9	0
31/10/2022 10:10	5.1	113	16	8.2	0
31/10/2022 10:20	5.5	116	18	7.7	0
31/10/2022 10:30	5.6	110	15	7.8	0
31/10/2022 10:40	4.6	117	20	6.8	0
31/10/2022 10:50	5.4	108	16	7.6	0
31/10/2022 11:00	5.5	108	16	8.2	0
31/10/2022 11:10	5.3	103	16	7.4	0
31/10/2022 11:20	4.8	108	15	6.7	0
31/10/2022 11:30	5.4	107	17	7.5	0
31/10/2022 11:40	5.4	109	14	8.2	0
31/10/2022 11:50	4.9	109	17	7.3	0
31/10/2022 12:00	5.3	101	13	7.8	0
31/10/2022 12:10	5.8	114	12	8.2	0
31/10/2022 12:20	5.3	107	15	7.1	0
31/10/2022 12:30	5.4	95	15	7.6	0
31/10/2022 12:40	4.7	81	14	7.2	0
31/10/2022 12:50	4.6	81	16	6.8	0
31/10/2022 13:00	4.2	70	14	6	0
31/10/2022 13:10	4.2	64	18	6	0
31/10/2022 13:20	4.4	67	15	6.8	0
31/10/2022 13:30	4.5	75	15	6.5	0
31/10/2022 13:40	5.1	66	11	7	0
31/10/2022 13:50	4.9	69	16	6.4	0
31/10/2022 14:00	4.8	68	11	6.3	0
31/10/2022 14:10	5	71	12	6.5	0
31/10/2022 14:20	5.6	72	13	7.2	0
31/10/2022 14:30	4.7	78	14	7	0
31/10/2022 14:40	4.5	71	12	6.9	0
31/10/2022 14:50	4.8	71	15	6.6	0
31/10/2022 15:00	5.1	75	13	6.9	0
31/10/2022 15:10	4.8	73	16	6.4	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/10/2022 15:20	4.9	73	13	7.5	0
31/10/2022 15:30	4.9	71	12	7.2	0
31/10/2022 15:40	4.2	64	15	5.8	0
31/10/2022 15:50	3.9	42	42	6.4	0
31/10/2022 16:00	2.5	335	50	4.2	0
31/10/2022 16:10	4.8	307	23	7.4	0
31/10/2022 16:20	6.3	285	14	8.3	0
31/10/2022 16:30	5.3	286	14	7.4	0
31/10/2022 16:40	5	292	14	6.8	0
31/10/2022 16:50	4.8	282	16	6.4	0
31/10/2022 17:00	4.8	287	15	6.5	0
31/10/2022 17:10	5	287	14	6.8	0
31/10/2022 17:20	4.8	281	15	6.9	0
31/10/2022 17:30	4.7	279	17	6.5	0
31/10/2022 17:40	5.2	267	11	7.2	0
31/10/2022 17:50	4.9	266	11	6.6	0
31/10/2022 18:00	4.4	269	12	5.8	0
31/10/2022 18:10	4.7	262	10	6	0
31/10/2022 18:20	5.1	260	9	6.4	0
31/10/2022 18:30	4.5	269	12	6.1	0
31/10/2022 18:40	3.9	267	13	5.3	0
31/10/2022 18:50	3.7	263	11	4.9	0
31/10/2022 19:00	3.4	264	13	4.5	0
31/10/2022 19:10	4.3	258	10	5.5	0
31/10/2022 19:20	3.6	261	10	4.8	0
31/10/2022 19:30	3.8	261	11	5.2	0
31/10/2022 19:40	3.8	259	9	5.2	0
31/10/2022 19:50	3.4	258	10	4.2	0
31/10/2022 20:00	3.7	257	11	4.8	0
31/10/2022 20:10	3.4	250	12	4.5	0
31/10/2022 20:20	3.4	256	12	4.4	0
31/10/2022 20:30	3.1	259	12	4.4	0
31/10/2022 20:40	3	257	12	4.1	0
31/10/2022 20:50	3.1	248	11	4.2	0
31/10/2022 21:00	2.7	248	14	3.7	0
31/10/2022 21:10	2.9	247	12	3.9	0
31/10/2022 21:20	2.4	237	15	3.4	0
31/10/2022 21:30	1.5	218	32	2.6	0
31/10/2022 21:40	1.1	230	23	2	0
31/10/2022 21:50	2.1	235	11	2.8	0
31/10/2022 22:00	1.7	231	13	2.4	0
31/10/2022 22:10	1.7	234	10	2.2	0
31/10/2022 22:20	1.5	246	10	1.8	0
31/10/2022 22:30	1.2	248	14	1.6	0
31/10/2022 22:40	0.9	255	14	1.9	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/10/2022 22:50	0.7	136	48	1.3	0
31/10/2022 23:00	0.4	265	17	0.8	0
31/10/2022 23:10	0.6	263	17	1.1	0
31/10/2022 23:20	0.4	233	17	1.1	0
31/10/2022 23:30	0.2	59	11	0.7	0
31/10/2022 23:40	0.8	224	38	1.9	0
31/10/2022 23:50	0.9	169	31	1.4	0
01/11/2022 00:00	0.6	167	33	1.4	0
01/11/2022 00:10	0.8	128	49	1.3	0
01/11/2022 00:20	0.7	244	57	1.2	0
01/11/2022 00:30	0.9	168	48	1.7	0
01/11/2022 00:40	0.8	139	39	1.5	0
01/11/2022 00:50	0.4	178	28	0.8	0
01/11/2022 01:00	0.2	338	23	0.6	0
01/11/2022 01:10	0.1	278	8	0.5	0
01/11/2022 01:20	0.3	321	10	0.8	0
01/11/2022 01:30	0.5	67	14	1	0
01/11/2022 01:40	0.7	78	19	1	0
01/11/2022 01:50	1	61	11	1.3	0
01/11/2022 02:00	1.6	68	9	2.4	0
01/11/2022 02:10	2.3	80	10	3.1	0
01/11/2022 02:20	2.4	79	10	3.2	0
01/11/2022 02:30	2.6	76	7	3.3	0
01/11/2022 02:40	2.7	83	9	3.5	0
01/11/2022 02:50	2.8	85	9	3.4	0
01/11/2022 03:00	3	97	11	4.5	0
01/11/2022 03:10	3	98	11	4.1	0
01/11/2022 03:20	3.6	100	12	5.2	0
01/11/2022 03:30	3.1	102	10	4.4	0
01/11/2022 03:40	3.5	100	13	4.8	0
01/11/2022 03:50	4.1	97	11	5.8	0
01/11/2022 04:00	4.1	99	10	5.8	0
01/11/2022 04:10	4.1	105	11	5.6	0
01/11/2022 04:20	5.2	102	11	7.2	0
01/11/2022 04:30	5	103	10	6.8	0
01/11/2022 04:40	4.9	101	13	7.5	0
01/11/2022 04:50	5.3	106	12	8.1	0
01/11/2022 05:00	5.1	106	12	6.7	0
01/11/2022 05:10	5	103	11	7	0
01/11/2022 05:20	4.8	104	12	6.7	0
01/11/2022 05:30	5.2	104	11	6.9	0
01/11/2022 05:40	5.1	106	11	7.2	0
01/11/2022 05:50	5.4	104	12	7.5	0
01/11/2022 06:00	5.6	105	10	7.5	0
01/11/2022 06:10	4.8	104	12	6.9	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/11/2022 06:20	4.6	108	12	6.3	0
01/11/2022 06:30	5	107	14	7.6	0
01/11/2022 06:40	5.8	104	12	8.7	0
01/11/2022 06:50	5.3	105	13	7.3	0
01/11/2022 07:00	6.6	110	12	9.5	0
01/11/2022 07:10	6.5	107	13	9.5	0
01/11/2022 07:20	6.3	109	13	8	0
01/11/2022 07:30	6.4	103	11	8.5	0
01/11/2022 07:40	6.7	105	12	9.1	0
01/11/2022 07:50	6.7	106	12	9.1	0
01/11/2022 08:00	6.5	102	12	8.8	0
01/11/2022 08:10	7.1	103	13	10.3	0
01/11/2022 08:20	6.6	111	12	9.6	0
01/11/2022 08:30	6.9	104	11	9.2	0
01/11/2022 08:40	7.3	100	12	11.1	0
01/11/2022 08:50	7.5	100	13	9.5	0
01/11/2022 09:00	7.7	103	13	10.2	0
01/11/2022 09:10	8.1	96	12	10.4	0
01/11/2022 09:20	7.2	100	11	9.9	0
01/11/2022 09:30	6.9	93	13	10.2	0.1
01/11/2022 09:40	7	95	12	9.5	0
01/11/2022 09:50	7.5	99	13	9.9	0
01/11/2022 10:00	7.1	102	13	9.8	0
01/11/2022 10:10	7.3	95	13	9.5	0
01/11/2022 10:20	7.7	85	11	10.1	0
01/11/2022 10:30	7.6	90	10	10.9	0
01/11/2022 10:40	7.6	86	12	9.9	0
01/11/2022 10:50	7.8	90	13	10.9	0
01/11/2022 11:00	7.8	92	11	10.5	0
01/11/2022 11:10	7.3	89	14	10.2	0
01/11/2022 11:20	7.1	81	13	9.9	0
01/11/2022 11:30	7.8	76	12	10.7	0
01/11/2022 11:40	8.1	79	12	10	0
01/11/2022 11:50	7.3	80	12	10.2	0
01/11/2022 12:00	7.2	81	14	9.5	0
01/11/2022 12:10	7	73	11	9.4	0
01/11/2022 12:20	7	78	13	10.2	0
01/11/2022 12:30	6.7	70	13	9.9	0
01/11/2022 12:40	6.5	67	12	8.7	0
01/11/2022 12:50	6.1	64	12	8	0
01/11/2022 13:00	6	61	12	7.8	0
01/11/2022 13:10	6	62	14	7.6	0
01/11/2022 13:20	5.8	64	12	8.3	0
01/11/2022 13:30	5.8	64	14	7.5	0
01/11/2022 13:40	5.8	63	12	7.5	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/11/2022 13:50	5.5	66	12	7.4	0
01/11/2022 14:00	5.6	60	13	7.6	0
01/11/2022 14:10	5.4	60	12	7.2	0
01/11/2022 14:20	5.2	57	14	7.1	0
01/11/2022 14:30	5.3	63	13	7.2	0
01/11/2022 14:40	5.1	65	13	7.1	0
01/11/2022 14:50	5	62	12	6.8	0
01/11/2022 15:00	5.2	59	12	6.8	0
01/11/2022 15:10	4.4	62	17	6.1	0
01/11/2022 15:20	4.7	70	11	6	0
01/11/2022 15:30	4.4	63	17	6	0
01/11/2022 15:40	4.2	69	16	6.4	0
01/11/2022 15:50	3.3	38	23	5.5	0
01/11/2022 16:00	4.2	347	25	6.6	0
01/11/2022 16:10	4.7	349	19	6.4	0
01/11/2022 16:20	3.9	175	19	6.1	0
01/11/2022 16:30	3.7	183	18	5.2	0
01/11/2022 16:40	3.8	12	19	5.9	0
01/11/2022 16:50	4	8	18	5.7	0
01/11/2022 17:00	3.8	182	19	5.7	0
01/11/2022 17:10	3.8	6	15	5.4	0
01/11/2022 17:20	3.7	355	18	5.8	0
01/11/2022 17:30	3.5	3	19	5.4	0
01/11/2022 17:40	3.8	5	20	5.3	0
01/11/2022 17:50	3.5	357	19	5.4	0
01/11/2022 18:00	3.8	182	20	5.6	0
01/11/2022 18:10	3.7	5	17	5.6	0
01/11/2022 18:20	3.1	178	23	4.7	0
01/11/2022 18:30	2.9	326	24	4.8	0
01/11/2022 18:40	4	285	16	5.7	0
01/11/2022 18:50	3.8	292	14	5.6	0
01/11/2022 19:00	3.6	280	15	5	0
01/11/2022 19:10	3.5	277	15	5	0
01/11/2022 19:20	3.8	288	14	5.2	0
01/11/2022 19:30	3.7	268	13	5.6	0
01/11/2022 19:40	3.5	265	11	4.8	0
01/11/2022 19:50	3.6	265	10	4.8	0
01/11/2022 20:00	3.9	263	11	5.4	0
01/11/2022 20:10	3.5	266	12	4.9	0
01/11/2022 20:20	4.2	260	9	5.2	0
01/11/2022 20:30	4.1	263	9	5.7	0
01/11/2022 20:40	3.7	264	10	5.2	0
01/11/2022 20:50	3.9	263	10	5.2	0
01/11/2022 21:00	3.6	264	10	4.7	0
01/11/2022 21:10	4	264	9	5.3	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/11/2022 21:20	4	262	10	5.2	0
01/11/2022 21:30	4.1	262	8	5.4	0
01/11/2022 21:40	3.9	253	12	5.6	0
01/11/2022 21:50	3.8	260	11	5.4	0
01/11/2022 22:00	3.9	257	12	5.5	0
01/11/2022 22:10	3.9	255	11	5.1	0
01/11/2022 22:20	3.3	250	12	4.9	0
01/11/2022 22:30	3.4	248	11	4.7	0
01/11/2022 22:40	3.2	244	12	4.4	0
01/11/2022 22:50	2.9	248	12	4	0
01/11/2022 23:00	3.2	249	12	4.4	0
01/11/2022 23:10	3.5	245	12	4.9	0
01/11/2022 23:20	4.2	249	10	6	0
01/11/2022 23:30	4.2	252	12	5.9	0
01/11/2022 23:40	3.4	248	13	4.8	0
01/11/2022 23:50	3	241	11	4.8	0
02/11/2022 00:00	3.4	245	11	5.7	0
02/11/2022 00:10	3.8	253	10	5.3	0
02/11/2022 00:20	3.9	251	11	5.2	0
02/11/2022 00:30	3.6	251	11	4.8	0
02/11/2022 00:40	3.2	248	13	4.6	0
02/11/2022 00:50	3.8	247	11	5.1	0
02/11/2022 01:00	3.6	249	10	4.9	0
02/11/2022 01:10	3.2	245	13	4.4	0
02/11/2022 01:20	3.1	248	11	4.6	0
02/11/2022 01:30	2.8	244	9	3.7	0
02/11/2022 01:40	2.7	235	12	3.8	0
02/11/2022 01:50	2.8	235	13	4	0
02/11/2022 02:00	2.4	236	13	3.4	0
02/11/2022 02:10	2.1	231	18	3.2	0
02/11/2022 02:20	2.3	235	11	3	0
02/11/2022 02:30	2.3	233	13	3	0
02/11/2022 02:40	2.2	232	12	3.2	0
02/11/2022 02:50	2.4	235	14	3.2	0
02/11/2022 03:00	2.3	234	12	3.1	0
02/11/2022 03:10	1.9	235	13	2.5	0
02/11/2022 03:20	1.8	232	15	2.8	0
02/11/2022 03:30	1.7	235	13	2.2	0
02/11/2022 03:40	1.6	235	13	2.2	0
02/11/2022 03:50	1.3	245	13	1.8	0
02/11/2022 04:00	0.6	251	32	1.2	0
02/11/2022 04:10	0.5	252	17	1	0
02/11/2022 04:20	0.7	244	12	1.2	0
02/11/2022 04:30					0
02/11/2022 04:40	0.3	168	38	0.9	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/11/2022 04:50					0
02/11/2022 05:00					0
02/11/2022 05:10	0.1	279	3	0.5	0
02/11/2022 05:20	0.3	263	10	0.6	0
02/11/2022 05:30	0.6	191	67	1.2	0
02/11/2022 05:40	1	180	19	1.6	0
02/11/2022 05:50	0.7	252	20	1.2	0
02/11/2022 06:00	0.6	224	22	1.2	0
02/11/2022 06:10	0.9	225	13	1.2	0
02/11/2022 06:20	0.3	209	27	0.9	0
02/11/2022 06:30	0.9	147	26	1.4	0
02/11/2022 06:40	0.7	156	37	1.4	0
02/11/2022 06:50	0.9	110	49	1.8	0
02/11/2022 07:00	1.3	145	50	2.2	0
02/11/2022 07:10	1.3	141	53	2.3	0
02/11/2022 07:20	1.8	149	50	2.8	0
02/11/2022 07:30	2.2	143	27	3.3	0
02/11/2022 07:40	2.8	130	19	4.1	0
02/11/2022 07:50	3.1	126	15	4.4	0
02/11/2022 08:00	3.1	128	18	4.5	0
02/11/2022 08:10	3.5	131	18	5.2	0
02/11/2022 08:20	3.5	128	17	5.3	0
02/11/2022 08:30	3.5	125	16	5.5	0
02/11/2022 08:40	3.9	96	15	5.8	0
02/11/2022 08:50	4.6	87	13	6.4	0
02/11/2022 09:00	4.5	102	10	6.1	0
02/11/2022 09:10	3.6	102	15	5.1	0
02/11/2022 09:20	4.3	97	12	5.5	0
02/11/2022 09:30	4.5	105	13	6.1	0
02/11/2022 09:40	4.2	97	13	5.6	0
02/11/2022 09:50	5.2	87	12	7.2	0
02/11/2022 10:00	5.3	84	14	7.3	0
02/11/2022 10:10	5.7	78	12	7.7	0
02/11/2022 10:20	5.4	85	14	7.4	0
02/11/2022 10:30	5.9	78	13	8	0
02/11/2022 10:40	5.6	82	12	7.8	0
02/11/2022 10:50	6.6	82	11	8.9	0
02/11/2022 11:00	6.4	74	12	9	0
02/11/2022 11:10	6.4	73	12	8.2	0
02/11/2022 11:20	6.1	76	13	8	0
02/11/2022 11:30	5.8	78	12	8	0
02/11/2022 11:40	5.7	76	12	7.8	0
02/11/2022 11:50	5.7	69	12	7.3	0
02/11/2022 12:00	5.8	68	13	8.8	0
02/11/2022 12:10	5.8	70	13	8.6	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/11/2022 12:20	5.8	70	13	8.7	0
02/11/2022 12:30	6	66	13	8.5	0
02/11/2022 12:40	5.7	59	14	7.4	0
02/11/2022 12:50	6.5	66	13	8.3	0
02/11/2022 13:00	6.4	69	12	8.7	0
02/11/2022 13:10	6.2	52	14	8.3	0
02/11/2022 13:20	6.2	49	13	8	0
02/11/2022 13:30	5.7	54	13	7.8	0
02/11/2022 13:40	5.9	54	14	8.2	0
02/11/2022 13:50	5.2	62	11	7.7	0
02/11/2022 14:00	5.6	54	14	7.5	0
02/11/2022 14:10	5.7	61	17	7.6	0
02/11/2022 14:20	4.5	46	18	7.1	0
02/11/2022 14:30	4.1	358	22	6	0
02/11/2022 14:40	4	182	20	5.9	0
02/11/2022 14:50	4.4	8	21	6	0
02/11/2022 15:00	4.2	187	19	6.2	0
02/11/2022 15:10	4.3	7	20	5.9	0
02/11/2022 15:20	4	181	21	5.4	0
02/11/2022 15:30	3.7	182	21	5.3	0
02/11/2022 15:40	3.7	178	20	5.6	0
02/11/2022 15:50	4	357	17	5.8	0
02/11/2022 16:00	3.4	9	25	5.6	0
02/11/2022 16:10	4.3	349	23	6.2	0
02/11/2022 16:20	4.1	351	22	6	0
02/11/2022 16:30	4.1	345	19	6	0
02/11/2022 16:40	4.5	350	17	6.6	0
02/11/2022 16:50	3.7	6	22	5.3	0
02/11/2022 17:00	3.6	4	19	5.3	0
02/11/2022 17:10	3.9	15	18	5.4	0
02/11/2022 17:20	3.8	9	17	5.2	0
02/11/2022 17:30	3.8	10	18	5.3	0
02/11/2022 17:40	3.7	5	18	5.8	0
02/11/2022 17:50	3.9	180	17	6.3	0
02/11/2022 18:00	3.8	181	18	5.8	0
02/11/2022 18:10	3.5	342	19	5.5	0
02/11/2022 18:20	3.9	336	20	5.6	0
02/11/2022 18:30	3.8	342	17	6	0
02/11/2022 18:40	4.4	344	14	6.2	0
02/11/2022 18:50	3.3	339	19	4.9	0
02/11/2022 19:00	2.5	309	20	4.1	0
02/11/2022 19:10	2.3	291	21	3.6	0
02/11/2022 19:20	3.9	260	10	5.1	0
02/11/2022 19:30	3.2	273	15	4.2	0
02/11/2022 19:40	2.3	277	21	3.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/11/2022 19:50	3.6	259	8	4.4	0
02/11/2022 20:00	3.5	250	10	4.3	0
02/11/2022 20:10	3.5	250	10	4.5	0
02/11/2022 20:20	3.7	251	10	4.9	0
02/11/2022 20:30	3.5	247	11	4.4	0
02/11/2022 20:40	3	246	11	4	0
02/11/2022 20:50	3.2	247	11	4.3	0
02/11/2022 21:00	3.2	247	10	4.4	0
02/11/2022 21:10	2.9	245	10	3.7	0
02/11/2022 21:20	2.9	247	11	4	0
02/11/2022 21:30	3.1	247	10	4.2	0
02/11/2022 21:40	2.6	239	11	3.6	0
02/11/2022 21:50	2.4	240	12	3.4	0
02/11/2022 22:00	2.4	235	10	3.4	0
02/11/2022 22:10	2.4	241	11	3.1	0
02/11/2022 22:20	1.8	241	11	2.6	0
02/11/2022 22:30	2.5	251	10	3.2	0
02/11/2022 22:40	2.4	240	10	3.1	0
02/11/2022 22:50	2.1	246	10	2.8	0
02/11/2022 23:00	2.1	249	10	2.8	0
02/11/2022 23:10	1.8	249	9	2.5	0
02/11/2022 23:20	2.1	250	11	2.8	0
02/11/2022 23:30	2.1	248	10	2.8	0
02/11/2022 23:40	2.3	251	9	3.2	0
02/11/2022 23:50	2	247	11	2.8	0
03/11/2022 00:00	2.1	247	10	2.8	0
03/11/2022 00:10	1.7	240	17	2.4	0
03/11/2022 00:20	2.4	250	11	3.3	0
03/11/2022 00:30	2.5	245	11	3.5	0
03/11/2022 00:40	2.5	245	11	3.6	0
03/11/2022 00:50	2.6	256	12	3.3	0
03/11/2022 01:00	2.4	256	10	3.1	0
03/11/2022 01:10	1.7	267	14	2.3	0
03/11/2022 01:20	1.8	258	10	2.5	0
03/11/2022 01:30	1.4	269	11	1.8	0
03/11/2022 01:40	1	272	12	1.5	0
03/11/2022 01:50	0.7	269	9	1.3	0
03/11/2022 02:00	0.7	258	15	1.3	0
03/11/2022 02:10	1.1	257	17	1.6	0
03/11/2022 02:20	0.1	257	7	0.8	0
03/11/2022 02:30	1.7	258	22	2.7	0
03/11/2022 02:40	2.6	263	9	3.2	0
03/11/2022 02:50	2.8	255	11	3.5	0
03/11/2022 03:00	1.9	258	12	3	0
03/11/2022 03:10	1.9	244	13	2.6	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/11/2022 03:20	2.3	241	14	3.6	0
03/11/2022 03:30	0.9	171	57	1.9	0
03/11/2022 03:40	2	228	16	3.3	0
03/11/2022 03:50	2.3	231	15	3.2	0
03/11/2022 04:00	2.2	249	15	3.2	0
03/11/2022 04:10	1.7	252	15	2.4	0
03/11/2022 04:20	1.9	266	10	2.4	0
03/11/2022 04:30	1.7	272	12	2	0
03/11/2022 04:40	1.6	283	22	2.3	0
03/11/2022 04:50	1.1	262	34	1.8	0
03/11/2022 05:00	0.8	302	22	1.5	0
03/11/2022 05:10	1.5	277	20	2.1	0
03/11/2022 05:20	1.3	215	38	2.8	0
03/11/2022 05:30	1	184	57	2.4	0
03/11/2022 05:40	0.9	178	41	1.9	0
03/11/2022 05:50	0.8	162	29	1.4	0
03/11/2022 06:00	1	91	68	2.1	0
03/11/2022 06:10	1.3	253	25	2.4	0
03/11/2022 06:20	1.1	261	23	1.7	0
03/11/2022 06:30	0.3	282	27	0.8	0
03/11/2022 06:40	0.8	171	40	1.5	0
03/11/2022 06:50	0.9	156	68	1.6	0
03/11/2022 07:00	2.4	136	24	3.7	0
03/11/2022 07:10	3	110	14	4.3	0
03/11/2022 07:20	3.7	94	10	5.2	0
03/11/2022 07:30	3.8	96	13	5.4	0
03/11/2022 07:40	3.9	105	14	5.4	0
03/11/2022 07:50	4	102	13	5.9	0
03/11/2022 08:00	4.9	97	10	6.8	0
03/11/2022 08:10	4.6	102	12	6.8	0
03/11/2022 08:20	4.6	94	15	6.3	0
03/11/2022 08:30	4.3	90	13	6	0
03/11/2022 08:40	4.5	91	13	7.4	0
03/11/2022 08:50	5.5	88	12	7.7	0
03/11/2022 09:00	5.9	87	13	8.7	0
03/11/2022 09:10	6.6	88	13	9.2	0
03/11/2022 09:20	6.8	87	11	9.2	0
03/11/2022 09:30	7.5	86	11	10.4	0
03/11/2022 09:40	7.1	85	13	9.9	0
03/11/2022 09:50	7.1	84	10	9.6	0
03/11/2022 10:00	6.7	89	11	9.2	0
03/11/2022 10:10	6.3	86	12	8.9	0
03/11/2022 10:20	5.8	83	14	8.3	0
03/11/2022 10:30	6.3	78	12	8.6	0
03/11/2022 10:40	6.5	76	13	8.4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/11/2022 10:50	6.8	73	12	9.5	0
03/11/2022 11:00	6.9	79	11	9.7	0
03/11/2022 11:10	6.1	76	12	9.1	0
03/11/2022 11:20	6.9	70	12	9.3	0
03/11/2022 11:30	6.7	79	12	9.1	0
03/11/2022 11:40	6.8	79	14	9.1	0
03/11/2022 11:50	5.7	79	13	7.9	0
03/11/2022 12:00	5.9	77	12	8.4	0
03/11/2022 12:10	5.6	72	14	8	0
03/11/2022 12:20	5.7	81	14	8.9	0
03/11/2022 12:30	5.9	80	15	8.5	0
03/11/2022 12:40	5.7	79	12	7.5	0
03/11/2022 12:50	5.8	71	13	8.2	0
03/11/2022 13:00	6	71	12	8.2	0
03/11/2022 13:10	5.9	71	11	7.8	0
03/11/2022 13:20	6.1	65	12	8.3	0
03/11/2022 13:30	6.2	64	11	7.9	0
03/11/2022 13:40	4.3	185	27	6.7	0
03/11/2022 13:50	4.2	328	15	6	0
03/11/2022 14:00	4.1	334	19	6	0
03/11/2022 14:10	3.8	345	20	4.9	0
03/11/2022 14:20	4.2	336	20	5.8	0
03/11/2022 14:30	4.2	344	19	5.9	0
03/11/2022 14:40	4	344	20	5.7	0
03/11/2022 14:50	4	352	20	5.6	0
03/11/2022 15:00	4.2	347	17	5.7	0
03/11/2022 15:10	4.2	177	21	6.1	0
03/11/2022 15:20	4.2	354	18	6.1	0
03/11/2022 15:30	4.4	179	18	6.4	0
03/11/2022 15:40	4.3	182	19	6.1	0
03/11/2022 15:50	4.6	180	17	6.7	0
03/11/2022 16:00	4.1	351	17	6.8	0
03/11/2022 16:10	5.3	332	12	7	0
03/11/2022 16:20	4.5	346	17	6.4	0
03/11/2022 16:30	4.7	348	19	6.7	0
03/11/2022 16:40	4.7	347	19	6.8	0
03/11/2022 16:50	4.6	177	15	7	0
03/11/2022 17:00	4.6	353	18	7	0
03/11/2022 17:10	4.6	358	18	6.8	0
03/11/2022 17:20	4.8	353	18	7.1	0
03/11/2022 17:30	4.5	354	19	6.8	0
03/11/2022 17:40	4.7	339	20	7.2	0
03/11/2022 17:50	4.6	343	16	6.5	0
03/11/2022 18:00	4	344	16	5.6	0
03/11/2022 18:10	4.9	334	13	7.1	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/11/2022 18:20	4.1	351	18	5.4	0
03/11/2022 18:30	4.1	349	17	6	0
03/11/2022 18:40	4.9	348	15	6.8	0
03/11/2022 18:50	3.5	326	15	5.2	0
03/11/2022 19:00	3.6	312	17	5.8	0
03/11/2022 19:10	3.2	296	16	4.9	0
03/11/2022 19:20	3.1	294	15	4.3	0
03/11/2022 19:30	3.2	281	17	4.8	0
03/11/2022 19:40	3.6	263	11	4.7	0
03/11/2022 19:50	4.1	261	9	5.1	0
03/11/2022 20:00	3.9	256	10	4.9	0
03/11/2022 20:10	3.5	248	11	4.7	0
03/11/2022 20:20	3.5	249	8	4.6	0
03/11/2022 20:30	3.6	246	12	5	0
03/11/2022 20:40	3.6	244	11	4.9	0
03/11/2022 20:50	3.5	242	11	4.5	0
03/11/2022 21:00	3.3	245	11	4.3	0
03/11/2022 21:10	2.8	252	13	3.6	0
03/11/2022 21:20	2.4	244	12	3	0
03/11/2022 21:30	2.4	240	12	3.3	0
03/11/2022 21:40	1.8	245	12	2.6	0
03/11/2022 21:50	2.1	238	12	2.9	0
03/11/2022 22:00	2	247	12	2.9	0
03/11/2022 22:10	2.8	255	10	3.9	0
03/11/2022 22:20	2.7	251	10	3.5	0
03/11/2022 22:30	2.1	247	11	2.7	0
03/11/2022 22:40	2.4	246	10	3.2	0
03/11/2022 22:50	2.4	242	13	3.3	0
03/11/2022 23:00	2.2	239	11	3.2	0
03/11/2022 23:10	2.7	240	11	3.8	0
03/11/2022 23:20	2.9	232	13	3.7	0
03/11/2022 23:30	2.8	232	14	3.7	0
03/11/2022 23:40	3.1	235	12	4	0
03/11/2022 23:50	2.6	238	11	3.6	0
04/11/2022 00:00	2.3	235	12	3.3	0
04/11/2022 00:10	2.8	237	12	4.3	0
04/11/2022 00:20	2.1	247	14	3.2	0
04/11/2022 00:30	2	246	11	2.8	0
04/11/2022 00:40	2.3	247	12	3.1	0
04/11/2022 00:50	2.2	246	12	3.2	0
04/11/2022 01:00	2.1	252	11	2.7	0
04/11/2022 01:10	2.6	246	12	3.3	0
04/11/2022 01:20	1.7	243	12	2.4	0
04/11/2022 01:30	2	245	12	2.5	0
04/11/2022 01:40	1.9	237	13	2.6	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/11/2022 01:50	2.3	248	12	3.6	0
04/11/2022 02:00	2.4	242	16	3.6	0
04/11/2022 02:10	2.6	242	11	3.7	0
04/11/2022 02:20	2.6	237	10	3.3	0
04/11/2022 02:30	2.3	240	10	3.1	0
04/11/2022 02:40	2.1	239	14	2.8	0
04/11/2022 02:50	2.3	233	13	3.3	0
04/11/2022 03:00	2.4	244	12	3.2	0
04/11/2022 03:10	2.5	247	10	3.2	0
04/11/2022 03:20	2.4	248	11	3.3	0
04/11/2022 03:30	2.3	248	10	3.2	0
04/11/2022 03:40	2	251	11	2.8	0
04/11/2022 03:50	1.5	250	11	2.1	0
04/11/2022 04:00	1.3	244	14	2	0
04/11/2022 04:10	1.8	242	17	2.7	0
04/11/2022 04:20	1.6	246	14	2.1	0
04/11/2022 04:30	1.1	241	20	2	0
04/11/2022 04:40	0.2	190	10	0.8	0
04/11/2022 04:50	0.7	276	32	1.2	0
04/11/2022 05:00	0.8	263	10	1.2	0
04/11/2022 05:10	1	269	8	1.5	0
04/11/2022 05:20	1.7	266	8	2.1	0
04/11/2022 05:30	1.8	258	11	2.4	0
04/11/2022 05:40	1.3	245	13	2.1	0
04/11/2022 05:50	1	231	17	1.7	0
04/11/2022 06:00	1.3	241	13	1.9	0
04/11/2022 06:10	1.1	242	15	1.6	0
04/11/2022 06:20	1.2	243	18	1.7	0
04/11/2022 06:30	1.4	238	20	2.2	0
04/11/2022 06:40	1.5	234	17	2	0
04/11/2022 06:50	1.7	230	15	2.4	0
04/11/2022 07:00	1.9	243	14	2.7	0
04/11/2022 07:10	2.3	254	15	3.2	0
04/11/2022 07:20	2.9	240	14	3.8	0
04/11/2022 07:30	2.9	244	14	4	0
04/11/2022 07:40	2.7	235	16	3.7	0
04/11/2022 07:50	3.2	238	17	4.2	0
04/11/2022 08:00	2.8	232	15	4	0
04/11/2022 08:10	2.7	233	18	4	0
04/11/2022 08:20	3.1	239	16	4.3	0
04/11/2022 08:30	3	241	15	4	0
04/11/2022 08:40	2.9	234	17	4.2	0
04/11/2022 08:50	3.2	229	18	4.6	0
04/11/2022 09:00	2.9	229	22	4.4	0
04/11/2022 09:10	2.7	235	16	4.3	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/11/2022 09:20	2.1	238	30	4	0
04/11/2022 09:30	2.2	240	22	3.3	0
04/11/2022 09:40	2.1	276	36	3.6	0
04/11/2022 09:50	2.5	281	22	4	0
04/11/2022 10:00	3.2	302	10	4.1	0
04/11/2022 10:10	2.8	296	19	4.4	0
04/11/2022 10:20	3.3	303	14	4.6	0
04/11/2022 10:30	3	305	16	4.4	0
04/11/2022 10:40	2.8	297	14	4	0
04/11/2022 10:50	2.7	284	26	3.8	0
04/11/2022 11:00	2.5	313	38	4	0
04/11/2022 11:10	3	68	19	4.9	0
04/11/2022 11:20	4.1	70	14	6	0
04/11/2022 11:30	3.9	82	14	6	0
04/11/2022 11:40	3.9	78	21	5.9	0
04/11/2022 11:50	4.1	81	19	5.6	0
04/11/2022 12:00	3.8	63	18	5.6	0
04/11/2022 12:10	4.5	75	14	6	0
04/11/2022 12:20	4	59	19	5.9	0
04/11/2022 12:30	4.4	63	16	6	0
04/11/2022 12:40	4.2	67	15	5.9	0
04/11/2022 12:50	4.1	61	30	6.8	0
04/11/2022 13:00	2.5	339	48	4.6	0
04/11/2022 13:10	2.7	184	38	5	0
04/11/2022 13:20	2.6	2	25	4.2	0
04/11/2022 13:30	2.9	179	24	4.4	0
04/11/2022 13:40	2.5	185	28	4.1	0
04/11/2022 13:50	2.9	181	22	4.4	0
04/11/2022 14:00	2.5	3	25	3.7	0
04/11/2022 14:10	2.6	323	28	4.1	0
04/11/2022 14:20	2.7	345	34	4.2	0
04/11/2022 14:30	2.7	340	37	4.4	0
04/11/2022 14:40	2.8	347	20	4.4	0
04/11/2022 14:50	3	337	18	4.2	0
04/11/2022 15:00	3.3	353	26	5.2	0
04/11/2022 15:10	3.2	340	19	4.4	0
04/11/2022 15:20	3.6	341	17	5	0
04/11/2022 15:30	3.1	341	21	4.5	0
04/11/2022 15:40	2.9	330	21	4.6	0
04/11/2022 15:50	2.5	320	23	3.6	0
04/11/2022 16:00	2.7	301	26	4.3	0
04/11/2022 16:10	2.9	283	22	4.5	0
04/11/2022 16:20	3.3	274	14	4.5	0
04/11/2022 16:30	3.1	289	17	4.2	0
04/11/2022 16:40	3.3	286	15	4.4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/11/2022 16:50	2.8	297	15	4	0
04/11/2022 17:00	2.8	301	14	4	0
04/11/2022 17:10	3.3	291	15	4.5	0
04/11/2022 17:20	2.7	290	22	3.6	0
04/11/2022 17:30	2.8	296	20	4.4	0
04/11/2022 17:40	3.1	297	13	4.3	0
04/11/2022 17:50	2.8	300	14	3.9	0
04/11/2022 18:00	3.1	276	15	4.6	0
04/11/2022 18:10	3	276	15	4.3	0
04/11/2022 18:20	2.5	270	17	3.3	0
04/11/2022 18:30	3.1	262	11	4.3	0
04/11/2022 18:40	3.7	263	11	4.7	0
04/11/2022 18:50	3.6	262	10	4.6	0
04/11/2022 19:00	4.5	262	7	5.4	0
04/11/2022 19:10	4.3	261	9	5.4	0
04/11/2022 19:20	4.2	262	10	5.5	0
04/11/2022 19:30	4.1	254	10	5.9	0
04/11/2022 19:40	4.2	260	10	5.7	0
04/11/2022 19:50	4.7	261	10	6	0
04/11/2022 20:00	4.5	265	11	5.7	0
04/11/2022 20:10	4.6	262	10	6.1	0
04/11/2022 20:20	4.4	261	10	5.7	0
04/11/2022 20:30	4.3	261	10	5.5	0
04/11/2022 20:40	4.3	263	10	5.4	0
04/11/2022 20:50	4.5	263	11	5.6	0
04/11/2022 21:00	4.5	265	7	5.9	0
04/11/2022 21:10	4.5	263	9	5.2	0
04/11/2022 21:20	4.3	260	9	5.2	0
04/11/2022 21:30	4	264	9	5.4	0
04/11/2022 21:40	3.5	258	12	4.4	0
04/11/2022 21:50	4.1	262	9	5.5	0
04/11/2022 22:00	4.4	261	9	5.6	0
04/11/2022 22:10	4.2	265	8	5.2	0
04/11/2022 22:20	4.3	262	10	5.4	0
04/11/2022 22:30	4.2	262	11	5.4	0
04/11/2022 22:40	4.4	261	9	5.5	0
04/11/2022 22:50	4.6	263	9	6	0
04/11/2022 23:00	4.9	264	10	6.4	0
04/11/2022 23:10	5	264	9	6.2	0
04/11/2022 23:20	4.8	263	9	6.3	0
04/11/2022 23:30	4.4	261	10	5.5	0
04/11/2022 23:40	5	259	11	6.5	0
04/11/2022 23:50	4.8	255	11	7	0
05/11/2022 00:00	5.2	254	11	7	0
05/11/2022 00:10	5.5	256	10	7.3	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/11/2022 00:20	4.9	257	9	6.4	0
05/11/2022 00:30	4.7	256	10	6.8	0
05/11/2022 00:40	4.5	256	11	5.9	0
05/11/2022 00:50	4.7	254	11	6.1	0
05/11/2022 01:00	4.7	255	11	5.8	0
05/11/2022 01:10	4.9	255	11	6.4	0
05/11/2022 01:20	4.6	258	10	6	0
05/11/2022 01:30	4.5	258	10	5.9	0
05/11/2022 01:40	4.4	256	9	6.1	0
05/11/2022 01:50	4.3	256	10	5.4	0
05/11/2022 02:00	4.1	255	10	5.8	0
05/11/2022 02:10	4.3	253	11	5.3	0
05/11/2022 02:20	3.7	255	10	4.6	0
05/11/2022 02:30	3.5	253	10	4.5	0
05/11/2022 02:40	3.9	257	11	5.4	0
05/11/2022 02:50	3.7	254	10	4.7	0
05/11/2022 03:00	3	260	11	3.8	0
05/11/2022 03:10	3.3	257	10	4.4	0
05/11/2022 03:20	3.4	261	9	4.6	0
05/11/2022 03:30	3.6	257	11	4.8	0
05/11/2022 03:40	3.4	261	10	4.5	0
05/11/2022 03:50	3.4	261	12	4.5	0
05/11/2022 04:00	3.5	267	10	4.5	0
05/11/2022 04:10	3.4	263	9	4.3	0
05/11/2022 04:20	3.9	264	8	5.2	0
05/11/2022 04:30	4	264	10	5.1	0
05/11/2022 04:40	4	262	10	5.2	0
05/11/2022 04:50	3.5	263	9	4.8	0
05/11/2022 05:00	3	266	11	4	0
05/11/2022 05:10	3.5	262	9	4.6	0
05/11/2022 05:20	3.4	264	12	4.4	0
05/11/2022 05:30	3.1	266	11	3.9	0
05/11/2022 05:40	3.1	265	10	4.2	0
05/11/2022 05:50	2.9	265	11	3.9	0
05/11/2022 06:00	2.8	270	12	3.7	0
05/11/2022 06:10	2.7	271	13	3.8	0
05/11/2022 06:20	2.7	269	16	3.9	0
05/11/2022 06:30	2.7	276	17	3.8	0
05/11/2022 06:40	2.2	291	16	3.2	0
05/11/2022 06:50	2.4	302	14	3.3	0
05/11/2022 07:00	2.7	288	16	4	0
05/11/2022 07:10	3.1	287	16	4.4	0
05/11/2022 07:20	3.1	301	10	4	0
05/11/2022 07:30	3.3	301	11	4.2	0
05/11/2022 07:40	2.5	308	16	3.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/11/2022 07:50	2.6	312	17	3.6	0
05/11/2022 08:00	3.1	301	15	4.1	0
05/11/2022 08:10	3.4	307	13	4.7	0
05/11/2022 08:20	3.9	303	12	5.1	0
05/11/2022 08:30	4.4	300	9	5.8	0
05/11/2022 08:40	4.8	299	10	6	0
05/11/2022 08:50	4.2	301	13	5.7	0
05/11/2022 09:00	3.9	296	15	5.5	0
05/11/2022 09:10	4.2	295	13	5.3	0
05/11/2022 09:20	3.9	294	15	5.2	0
05/11/2022 09:30	3.9	297	16	4.9	0
05/11/2022 09:40	4.1	289	15	5.8	0
05/11/2022 09:50	3.9	291	17	5.6	0
05/11/2022 10:00	4	288	15	5.8	0
05/11/2022 10:10	4.3	289	17	6	0
05/11/2022 10:20	4.2	275	14	5.7	0
05/11/2022 10:30	4.4	287	15	6	0
05/11/2022 10:40	4.6	296	14	5.9	0
05/11/2022 10:50	4.4	297	14	6.1	0
05/11/2022 11:00	4.4	290	20	6	0
05/11/2022 11:10	4.4	296	15	6	0
05/11/2022 11:20	4.3	294	16	5.8	0
05/11/2022 11:30	4.9	295	15	6.4	0
05/11/2022 11:40	5.8	297	9	7.2	0
05/11/2022 11:50	6.5	298	9	7.9	0
05/11/2022 12:00	5.4	301	13	7.2	0
05/11/2022 12:10	5.1	299	14	6.8	0
05/11/2022 12:20	5.3	294	14	7.1	0
05/11/2022 12:30	5.2	293	13	7.1	0
05/11/2022 12:40	5.4	289	14	7.5	0
05/11/2022 12:50	5.2	297	13	7.3	0
05/11/2022 13:00	5.6	298	12	7.3	0
05/11/2022 13:10	5.4	292	13	7.8	0
05/11/2022 13:20	5.3	290	15	7.1	0
05/11/2022 13:30	5.8	294	12	7.7	0
05/11/2022 13:40	5.7	299	12	7.3	0
05/11/2022 13:50	5	292	18	7	0
05/11/2022 14:00	5.4	299	15	7.2	0
05/11/2022 14:10	5.5	300	13	7.4	0
05/11/2022 14:20	5.5	298	15	7.6	0
05/11/2022 14:30	5.2	307	13	7.4	0
05/11/2022 14:40	5	308	16	7.2	0
05/11/2022 14:50	5.4	302	16	7.4	0
05/11/2022 15:00	5.2	304	16	7.2	0
05/11/2022 15:10	5.5	302	13	7.5	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/11/2022 15:20	5.2	303	15	6.9	0
05/11/2022 15:30	5.1	305	15	7.3	0
05/11/2022 15:40	5.1	308	15	7.1	0
05/11/2022 15:50	4.9	312	15	6.9	0
05/11/2022 16:00	5.1	309	16	7.2	0
05/11/2022 16:10	4.9	307	15	6.7	0
05/11/2022 16:20	4.9	309	17	7.1	0
05/11/2022 16:30	5.1	306	14	7.2	0
05/11/2022 16:40	4.9	304	14	7.2	0
05/11/2022 16:50	5.2	297	13	7.5	0
05/11/2022 17:00	4.8	303	15	6.7	0
05/11/2022 17:10	4.8	297	13	7.1	0
05/11/2022 17:20	5.3	301	11	7.2	0
05/11/2022 17:30	4.7	299	13	6.2	0
05/11/2022 17:40	4.7	299	13	6.6	0
05/11/2022 17:50	4.5	300	13	5.9	0
05/11/2022 18:00	5	302	12	6.4	0
05/11/2022 18:10	4.2	303	13	5.9	0
05/11/2022 18:20	4.7	300	12	6.3	0
05/11/2022 18:30	4.7	298	12	6.4	0
05/11/2022 18:40	5	298	11	7.2	0
05/11/2022 18:50	5	297	12	7.1	0
05/11/2022 19:00	5	295	12	7	0
05/11/2022 19:10	4.3	290	14	6.4	0
05/11/2022 19:20	4.4	290	14	6.2	0
05/11/2022 19:30	4.7	290	12	6.2	0
05/11/2022 19:40	4.3	289	11	6.1	0
05/11/2022 19:50	4.2	291	13	6	0
05/11/2022 20:00	4.3	295	13	5.8	0
05/11/2022 20:10	4.5	296	12	5.8	0
05/11/2022 20:20	4.5	296	11	6	0
05/11/2022 20:30	3.7	277	14	5	0
05/11/2022 20:40	3.7	276	13	5.3	0
05/11/2022 20:50	4.1	272	12	5.6	0
05/11/2022 21:00	3.8	272	14	5.2	0
05/11/2022 21:10	4.6	267	10	6.3	0
05/11/2022 21:20	4.6	270	13	6.4	0
05/11/2022 21:30	4.1	275	16	5.8	0
05/11/2022 21:40	4.2	270	14	6.3	0
05/11/2022 21:50	4.4	268	14	6	0
05/11/2022 22:00	4.7	264	12	6	0
05/11/2022 22:10	4.7	260	10	6	0
05/11/2022 22:20	4.3	267	12	6	0
05/11/2022 22:30	4.6	266	12	6.4	0
05/11/2022 22:40	4.8	267	11	7	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/11/2022 22:50	5.7	261	9	7	0
05/11/2022 23:00	5.2	264	13	7.2	0
05/11/2022 23:10	5.1	263	10	6.8	0
05/11/2022 23:20	5.3	261	9	7.2	0
05/11/2022 23:30	5.2	264	11	7.1	0
05/11/2022 23:40	5	263	11	6.7	0
05/11/2022 23:50	5.5	266	11	7	0
06/11/2022 00:00	6	263	9	7.9	0
06/11/2022 00:10	5.8	263	10	7.8	0
06/11/2022 00:20	5.8	263	10	8	0
06/11/2022 00:30	5.8	266	10	7.7	0
06/11/2022 00:40	6	262	9	8	0
06/11/2022 00:50	6.3	264	11	8.1	0
06/11/2022 01:00	5.5	262	11	7.2	0
06/11/2022 01:10	5.3	261	11	7.2	0
06/11/2022 01:20	4.8	261	12	6.4	0
06/11/2022 01:30	5.1	257	10	6.8	0
06/11/2022 01:40	4.9	258	14	7.2	0
06/11/2022 01:50	5	258	10	6.8	0
06/11/2022 02:00	5.2	257	11	7	0
06/11/2022 02:10	4.7	258	11	6.4	0
06/11/2022 02:20	5	255	11	6.7	0
06/11/2022 02:30	4.9	253	11	6.4	0
06/11/2022 02:40	5	254	11	7.2	0
06/11/2022 02:50	4.9	255	12	6.7	0
06/11/2022 03:00	4.5	251	12	6.2	0
06/11/2022 03:10	4.6	255	13	6.5	0
06/11/2022 03:20	4.9	257	11	6.5	0
06/11/2022 03:30	5.4	256	11	7.8	0
06/11/2022 03:40	5.5	256	12	7.3	0
06/11/2022 03:50	4.9	256	13	6.7	0
06/11/2022 04:00	4.4	255	12	5.7	0
06/11/2022 04:10	4.6	250	11	6.4	0
06/11/2022 04:20	5.1	252	12	7.4	0
06/11/2022 04:30	4.9	254	11	6.7	0
06/11/2022 04:40	5.5	250	10	7.3	0
06/11/2022 04:50	5.8	256	11	8.1	0
06/11/2022 05:00	5.9	255	12	8	0
06/11/2022 05:10	5.2	251	13	7.5	0
06/11/2022 05:20	5.1	250	11	7.2	0
06/11/2022 05:30	4.6	247	13	6.4	0
06/11/2022 05:40	5	249	12	6.7	0
06/11/2022 05:50	5.4	250	12	7.4	0
06/11/2022 06:00	5.3	248	12	8	0
06/11/2022 06:10	4.8	253	13	6.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/11/2022 06:20	4.3	241	14	6.2	0
06/11/2022 06:30	4.4	240	12	5.9	0
06/11/2022 06:40	4.4	244	12	5.9	0
06/11/2022 06:50	5.1	246	12	7	0
06/11/2022 07:00	5.2	247	12	7.4	0
06/11/2022 07:10	4	242	12	5.2	0
06/11/2022 07:20	4.2	251	13	5.6	0
06/11/2022 07:30	4.4	249	11	5.3	0
06/11/2022 07:40	5.5	256	11	7.1	0
06/11/2022 07:50	5.7	257	10	7.1	0
06/11/2022 08:00	5.5	257	9	7.5	0
06/11/2022 08:10	4.9	249	13	6.4	0
06/11/2022 08:20	5.2	250	11	6.8	0
06/11/2022 08:30	4.3	260	11	6	0
06/11/2022 08:40	3.6	265	15	4.6	0
06/11/2022 08:50	4.1	254	12	5.7	0
06/11/2022 09:00	3.8	262	14	5.2	0
06/11/2022 09:10	4	270	15	5.7	0
06/11/2022 09:20	4.7	274	13	6.1	0
06/11/2022 09:30	6.6	261	11	8.8	0
06/11/2022 09:40	6.1	263	12	8.1	0
06/11/2022 09:50	5.8	256	13	8.3	0
06/11/2022 10:00	5.8	257	13	7.5	0
06/11/2022 10:10	5.4	260	12	7.4	0
06/11/2022 10:20	5.2	261	13	7	0
06/11/2022 10:30	4.8	265	13	6.1	0
06/11/2022 10:40	4.6	265	12	6.5	0
06/11/2022 10:50	5.5	267	13	7.5	0
06/11/2022 11:00	5.8	269	15	7.5	0
06/11/2022 11:10	6.2	263	12	8.7	0
06/11/2022 11:20	6.7	263	12	8.9	0
06/11/2022 11:30	5.5	268	14	7.2	0
06/11/2022 11:40	5.6	273	13	7.7	0
06/11/2022 11:50	6	264	13	7.5	0
06/11/2022 12:00	6.6	266	14	8.7	0
06/11/2022 12:10	6.3	267	14	8.8	0
06/11/2022 12:20	6.7	262	12	8.8	0
06/11/2022 12:30	6.6	262	11	8.7	0
06/11/2022 12:40	6.9	265	12	9.8	0
06/11/2022 12:50	7	267	14	9.2	0
06/11/2022 13:00	7	268	12	9.3	0
06/11/2022 13:10	7.5	265	17	9.8	0
06/11/2022 13:20	7.6	267	14	9.7	0
06/11/2022 13:30	7.6	268	12	9.9	0
06/11/2022 13:40	7.4	262	9	10.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/11/2022 13:50	7.7	262	10	9.9	0
06/11/2022 14:00	7.6	263	13	9.9	0
06/11/2022 14:10	7.2	264	11	9.7	0
06/11/2022 14:20	7.2	260	11	9.5	0
06/11/2022 14:30	7.3	265	14	9	0
06/11/2022 14:40	6.5	263	15	9.1	0
06/11/2022 14:50	6.8	264	13	9.1	0
06/11/2022 15:00	7.4	263	11	9.5	0
06/11/2022 15:10	6.7	261	11	9.3	0
06/11/2022 15:20	6.7	262	12	9.1	0
06/11/2022 15:30	7	263	13	9.1	0
06/11/2022 15:40	6.8	262	12	9.4	0
06/11/2022 15:50	6.6	261	13	9.7	0
06/11/2022 16:00	7	261	13	9.1	0
06/11/2022 16:10	7.1	259	13	9.9	0
06/11/2022 16:20	6.8	261	11	10.1	0
06/11/2022 16:30	7.1	263	11	9.3	0
06/11/2022 16:40	6.4	264	12	8.8	0
06/11/2022 16:50	6.7	262	11	9.1	0
06/11/2022 17:00	6.7	264	11	9.4	0
06/11/2022 17:10	7.4	266	12	9.7	0
06/11/2022 17:20	7.1	263	10	9.3	0
06/11/2022 17:30	7.4	262	11	9.6	0
06/11/2022 17:40	5.9	267	13	8.5	0
06/11/2022 17:50	6.1	269	13	8.3	0
06/11/2022 18:00	5.7	276	15	7.9	0
06/11/2022 18:10	5.5	269	15	8	0
06/11/2022 18:20	5.5	270	16	8	0
06/11/2022 18:30	5.9	275	14	8.3	0
06/11/2022 18:40	6.2	270	13	8.7	0
06/11/2022 18:50	5.9	270	14	7.9	0
06/11/2022 19:00	5.9	274	14	8.5	0
06/11/2022 19:10	5.7	270	13	8.5	0
06/11/2022 19:20	5.2	271	14	7.4	0
06/11/2022 19:30	6.3	261	12	8.2	0
06/11/2022 19:40	5.8	264	11	8.3	0
06/11/2022 19:50	6.2	264	10	8.2	0
06/11/2022 20:00	6.3	263	11	8.3	0
06/11/2022 20:10	6.1	262	9	8	0
06/11/2022 20:20	6.6	264	10	8.7	0
06/11/2022 20:30	6.4	265	11	8.7	0
06/11/2022 20:40	6.5	266	12	8.7	0
06/11/2022 20:50	6.3	264	10	8.3	0
06/11/2022 21:00	5.8	263	11	8.5	0
06/11/2022 21:10	6.6	260	10	8.5	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/11/2022 21:20	7	263	10	8.7	0
06/11/2022 21:30	6.7	262	11	9.1	0
06/11/2022 21:40	6.4	259	10	8.5	0
06/11/2022 21:50	7.2	264	10	9.8	0
06/11/2022 22:00	6.9	263	11	9.9	0
06/11/2022 22:10	7	259	10	9.5	0
06/11/2022 22:20	7	263	10	9.1	0
06/11/2022 22:30	6.2	262	12	8.6	0
06/11/2022 22:40	6.9	259	11	8.5	0
06/11/2022 22:50	7.3	257	10	9.9	0
06/11/2022 23:00	7.4	254	11	10.2	0
06/11/2022 23:10	7	255	11	10.3	0
06/11/2022 23:20	6.6	260	13	9.9	0
06/11/2022 23:30	6.7	256	13	9.2	0
06/11/2022 23:40	7	257	13	10.4	0
06/11/2022 23:50	6.8	253	11	8.7	0
07/11/2022 00:00	7.1	256	12	9.2	0
07/11/2022 00:10	6.7	254	10	9.5	0
07/11/2022 00:20	7.1	256	11	9.2	0
07/11/2022 00:30	6.7	257	13	8.7	0
07/11/2022 00:40	6.8	256	12	9.4	0
07/11/2022 00:50	6.3	257	11	8.7	0
07/11/2022 01:00	6.7	258	12	9.7	0
07/11/2022 01:10	7	256	13	9.1	0
07/11/2022 01:20	6.2	257	11	9	0
07/11/2022 01:30	6.5	255	13	8.6	0
07/11/2022 01:40	5.5	245	12	8.3	0
07/11/2022 01:50	5.5	241	14	7.5	0
07/11/2022 02:00	5.7	244	12	7.9	0
07/11/2022 02:10	5.8	241	13	9.3	0
07/11/2022 02:20	6	239	14	8.7	0
07/11/2022 02:30	5.9	240	13	8.8	0
07/11/2022 02:40	5.7	243	14	8.1	0
07/11/2022 02:50	5.8	242	14	8.2	0
07/11/2022 03:00	6.3	247	13	9.5	0
07/11/2022 03:10	6.3	245	11	9.2	0
07/11/2022 03:20	7.1	245	12	9.6	0
07/11/2022 03:30	6.5	247	12	9.3	0
07/11/2022 03:40	6.2	246	14	8.9	0
07/11/2022 03:50	6.9	244	13	10.5	0
07/11/2022 04:00	7	240	13	9.5	0.3
07/11/2022 04:10	6.3	245	13	10.3	0.1
07/11/2022 04:20	6	245	13	8.6	0.1
07/11/2022 04:30	6.6	241	12	9.4	0
07/11/2022 04:40	5.6	246	15	8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/11/2022 04:50	6.8	241	13	10.8	0
07/11/2022 05:00	6.7	248	12	9.9	0
07/11/2022 05:10	6.8	248	13	9.5	0
07/11/2022 05:20	6.1	246	12	8.5	0
07/11/2022 05:30	5.7	244	13	8.3	0.2
07/11/2022 05:40	5.9	242	14	8.4	0.1
07/11/2022 05:50	6	245	13	8.7	0.1
07/11/2022 06:00	5.7	246	13	9.3	0
07/11/2022 06:10	5.9	242	14	8.6	0
07/11/2022 06:20	5.3	239	16	7.7	0
07/11/2022 06:30	4.9	240	14	7.5	0
07/11/2022 06:40	4.8	243	13	6.7	0
07/11/2022 06:50	4.9	242	13	7.8	0
07/11/2022 07:00	4.9	234	14	7.1	0
07/11/2022 07:10	4.3	235	15	6.5	0
07/11/2022 07:20	5.7	238	13	7.5	0
07/11/2022 07:30	5.6	234	17	7.7	0
07/11/2022 07:40	6.2	237	13	8.4	0
07/11/2022 07:50	5.7	234	16	8.1	0
07/11/2022 08:00	5.5	240	15	7.9	0
07/11/2022 08:10	6.6	243	14	10	0
07/11/2022 08:20	6.1	239	13	8.9	0
07/11/2022 08:30	6.4	241	14	9.1	0
07/11/2022 08:40	6.2	250	15	8.8	0
07/11/2022 08:50	7.3	248	12	9.6	0
07/11/2022 09:00	6.7	248	13	8.9	0
07/11/2022 09:10	6.7	253	13	9.2	0
07/11/2022 09:20	7	258	12	10.1	0
07/11/2022 09:30	6.6	253	14	9.5	0
07/11/2022 09:40	7.2	258	13	9.5	0
07/11/2022 09:50	7.4	259	11	9.7	0
07/11/2022 10:00	7.1	260	12	9.4	0
07/11/2022 10:10	6.7	262	13	8.9	0
07/11/2022 10:20	6.9	262	11	9.6	0
07/11/2022 10:30	6.7	264	12	9.1	0
07/11/2022 10:40	7.4	266	13	9.5	0
07/11/2022 10:50	7.2	266	14	10	0
07/11/2022 11:00	7.3	267	13	9.3	0
07/11/2022 11:10	8	266	12	10.6	0
07/11/2022 11:20	7.7	262	12	10.3	0
07/11/2022 11:30	8.3	261	12	11.2	0
07/11/2022 11:40	8.4	261	9	10.6	0
07/11/2022 11:50	7.9	260	11	10.3	0
07/11/2022 12:00	7.6	263	10	10.4	0
07/11/2022 12:10	8	262	13	10.7	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/11/2022 12:20	8.6	261	12	12.3	0
07/11/2022 12:30	8.6	264	11	11.1	0
07/11/2022 12:40	9	262	10	11.6	0
07/11/2022 12:50	8.6	265	14	12.2	0
07/11/2022 13:00	8.1	266	12	11.4	0
07/11/2022 13:10	8.5	266	11	11.8	0
07/11/2022 13:20	8.7	263	12	12.2	0
07/11/2022 13:30	9	264	13	12.3	0
07/11/2022 13:40	8.5	261	11	12	0
07/11/2022 13:50	8.7	263	14	10.9	0
07/11/2022 14:00	8	263	11	11.5	0
07/11/2022 14:10	8.3	262	13	12	0
07/11/2022 14:20	8.9	260	12	12.3	0
07/11/2022 14:30	9.6	264	13	12.6	0
07/11/2022 14:40	9.8	263	12	13.5	0
07/11/2022 14:50	8.6	263	11	11.5	0
07/11/2022 15:00	8.1	262	10	10.7	0
07/11/2022 15:10	8.2	262	10	11.7	0
07/11/2022 15:20	8.9	262	11	12.2	0
07/11/2022 15:30	8.5	264	10	12.4	0
07/11/2022 15:40	8.5	263	11	12.2	0
07/11/2022 15:50	8.6	260	11	11.5	0
07/11/2022 16:00	8.5	263	11	11.3	0
07/11/2022 16:10	8	267	13	10.6	0
07/11/2022 16:20	7.7	263	12	10.8	0
07/11/2022 16:30	8	266	13	11.2	0
07/11/2022 16:40	8.2	261	11	11.1	0
07/11/2022 16:50	9.3	262	10	12.6	0
07/11/2022 17:00	8.2	265	11	11	0
07/11/2022 17:10	8.1	260	12	11.1	0
07/11/2022 17:20	7.3	261	12	9.9	0
07/11/2022 17:30	7.4	261	10	9.9	0
07/11/2022 17:40	7.6	263	11	10.1	0
07/11/2022 17:50	7.5	261	13	9.9	0
07/11/2022 18:00	7.2	260	12	9.8	0
07/11/2022 18:10	7.3	263	11	9.6	0
07/11/2022 18:20	6.5	261	13	8.7	0
07/11/2022 18:30	6.4	259	11	8.3	0
07/11/2022 18:40	6.5	258	12	9.5	0
07/11/2022 18:50	6.2	260	11	8.3	0
07/11/2022 19:00	7.1	262	12	9.4	0
07/11/2022 19:10	7	261	11	9.4	0
07/11/2022 19:20	7.1	259	12	9.3	0
07/11/2022 19:30	7.2	262	10	9.4	0
07/11/2022 19:40	6.9	263	10	8.9	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/11/2022 19:50	6.7	262	11	8.6	0
07/11/2022 20:00	6.4	262	11	8.3	0
07/11/2022 20:10	6.5	261	11	9.1	0
07/11/2022 20:20	6.7	263	11	8.9	0
07/11/2022 20:30	6.4	259	13	8.3	0
07/11/2022 20:40	6.9	262	10	9.5	0
07/11/2022 20:50	6.1	261	11	8.4	0
07/11/2022 21:00	7	259	12	9.5	0
07/11/2022 21:10	7.2	262	10	9.7	0
07/11/2022 21:20	6.9	260	11	9.5	0
07/11/2022 21:30	7.4	260	11	9.5	0
07/11/2022 21:40	7.6	264	11	9.9	0
07/11/2022 21:50	7.2	257	10	9.5	0
07/11/2022 22:00	6.8	256	12	9.1	0
07/11/2022 22:10	7.4	259	10	9.5	0
07/11/2022 22:20	6.7	260	11	8.9	0
07/11/2022 22:30	7.3	256	12	10.1	0
07/11/2022 22:40	6.8	258	11	9.7	0
07/11/2022 22:50	6.5	258	11	8.8	0
07/11/2022 23:00	6.5	255	11	9.5	0
07/11/2022 23:10	6.8	262	12	8.9	0
07/11/2022 23:20	6.4	258	13	9.3	0
07/11/2022 23:30	7.4	259	11	10.6	0
07/11/2022 23:40	6.2	256	13	8.3	0
07/11/2022 23:50	6.8	251	11	9.9	0
08/11/2022 00:00	7.1	251	13	9.7	0
08/11/2022 00:10	7.5	254	11	10.3	0
08/11/2022 00:20	6.4	248	12	8.7	0
08/11/2022 00:30	6.5	240	13	9	0
08/11/2022 00:40	6.7	242	13	9	0
08/11/2022 00:50	5.8	239	13	8.3	0
08/11/2022 01:00	6.4	243	12	9.6	0
08/11/2022 01:10	6.4	248	11	9.5	0
08/11/2022 01:20	5.9	243	12	8.4	0
08/11/2022 01:30	5.2	246	11	7.9	0
08/11/2022 01:40	5.7	245	13	7.9	0
08/11/2022 01:50	5.6	240	12	7.8	0
08/11/2022 02:00	5.4	243	11	7.2	0
08/11/2022 02:10	4.7	245	12	6.6	0
08/11/2022 02:20	5.5	248	12	7.9	0
08/11/2022 02:30	6	248	11	8.8	0
08/11/2022 02:40	6.1	251	12	8.4	0
08/11/2022 02:50	6.4	249	12	9.2	0
08/11/2022 03:00	6.2	247	12	8.6	0
08/11/2022 03:10	5.6	246	13	7.5	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/11/2022 03:20	5.1	245	11	7.9	0
08/11/2022 03:30	5.1	245	13	8.3	0
08/11/2022 03:40	4.9	246	12	7.4	0
08/11/2022 03:50	5	248	12	7.1	0
08/11/2022 04:00	5.6	254	11	7.7	0
08/11/2022 04:10	5.2	252	11	7	0
08/11/2022 04:20	5.7	251	12	7.5	0
08/11/2022 04:30	5.8	255	12	8.1	0
08/11/2022 04:40	5.2	250	14	7.4	0
08/11/2022 04:50	5.2	254	14	7.9	0
08/11/2022 05:00	5.9	253	12	8.2	0
08/11/2022 05:10	4.8	250	12	7	0
08/11/2022 05:20	5.4	252	12	7.2	0
08/11/2022 05:30	5.7	248	13	8.2	0
08/11/2022 05:40	5.3	252	12	7.5	0
08/11/2022 05:50	4.6	249	14	6.9	0
08/11/2022 06:00	4.7	247	15	7.2	0
08/11/2022 06:10	5.7	245	10	7.9	0
08/11/2022 06:20	5.9	242	13	7.9	0
08/11/2022 06:30	5.1	241	14	7.3	0
08/11/2022 06:40	4.9	239	13	6.9	0
08/11/2022 06:50	5.2	237	14	7.5	0
08/11/2022 07:00	5.5	238	12	7.2	0
08/11/2022 07:10	5.3	242	13	7.2	0
08/11/2022 07:20	5	238	14	7.5	0
08/11/2022 07:30	5	245	13	6.8	0
08/11/2022 07:40	5.6	254	12	7.1	0
08/11/2022 07:50	5.4	246	13	8	0
08/11/2022 08:00	5.2	246	13	7.6	0
08/11/2022 08:10	5.3	252	13	7.2	0
08/11/2022 08:20	5.5	250	12	7.2	0
08/11/2022 08:30	5.7	251	13	7.7	0
08/11/2022 08:40	5.8	253	13	7.4	0
08/11/2022 08:50	6.3	253	12	8.3	0
08/11/2022 09:00	5.9	250	14	7.5	0
08/11/2022 09:10	5.5	255	15	7.9	0
08/11/2022 09:20	5.7	254	15	8.5	0
08/11/2022 09:30	6	258	11	8.2	0
08/11/2022 09:40	6.3	262	14	7.8	0
08/11/2022 09:50	6.1	258	14	8.3	0
08/11/2022 10:00	6.1	266	13	8.5	0
08/11/2022 10:10	6.5	264	14	8.8	0
08/11/2022 10:20	6.7	267	13	9.2	0
08/11/2022 10:30	6.5	270	14	9.3	0
08/11/2022 10:40	7.5	262	12	9.9	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/11/2022 10:50	7.3	261	12	9.5	0
08/11/2022 11:00	6.9	267	14	9.3	0
08/11/2022 11:10	6.9	263	12	9.4	0
08/11/2022 11:20	7.5	262	12	10	0
08/11/2022 11:30	7.7	261	12	10.7	0
08/11/2022 11:40	7.7	263	14	10.5	0
08/11/2022 11:50	7.9	262	12	11.1	0
08/11/2022 12:00	8.9	258	11	11.5	0
08/11/2022 12:10	7.8	259	13	10.9	0
08/11/2022 12:20	8.3	257	13	11.6	0
08/11/2022 12:30	7.8	259	12	10.5	0
08/11/2022 12:40	7.5	261	13	10.5	0
08/11/2022 12:50	8.1	260	12	11.2	0
08/11/2022 13:00	8.2	262	14	10.8	0
08/11/2022 13:10	8.4	259	12	11.3	0
08/11/2022 13:20	8.5	258	13	11.2	0
08/11/2022 13:30	8.3	258	12	11	0
08/11/2022 13:40	8.4	258	13	10.7	0
08/11/2022 13:50	8.4	261	12	11	0
08/11/2022 14:00	8	255	12	10.7	0
08/11/2022 14:10	8.2	259	11	11	0
08/11/2022 14:20	7.6	261	12	9.9	0
08/11/2022 14:30	8.3	264	12	10.7	0
08/11/2022 14:40	8.5	261	10	11.5	0
08/11/2022 14:50	7.2	262	14	9.9	0
08/11/2022 15:00	7.6	262	13	9.7	0
08/11/2022 15:10	8.4	266	12	10.7	0
08/11/2022 15:20	7.9	264	12	10.8	0
08/11/2022 15:30	8.5	265	10	10.5	0
08/11/2022 15:40	7.7	267	11	10.2	0
08/11/2022 15:50	7	267	13	9.6	0
08/11/2022 16:00	7.7	264	12	10.5	0
08/11/2022 16:10	7.5	264	13	9.9	0
08/11/2022 16:20	7.1	264	14	9.5	0
08/11/2022 16:30	7.3	265	13	10.3	0
08/11/2022 16:40	7.1	265	13	10.4	0
08/11/2022 16:50	7.2	263	12	9.8	0
08/11/2022 17:00	7.2	265	12	9.5	0
08/11/2022 17:10	7.2	262	12	9.4	0
08/11/2022 17:20	7.2	266	12	9.7	0
08/11/2022 17:30	7.1	264	11	9.5	0
08/11/2022 17:40	7	266	10	8.7	0
08/11/2022 17:50	7	261	12	9.2	0
08/11/2022 18:00	7.2	265	12	10.1	0
08/11/2022 18:10	6.9	260	13	9.7	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/11/2022 18:20	6.3	260	10	8.7	0
08/11/2022 18:30	6.6	262	11	9.1	0
08/11/2022 18:40	6	260	13	8.1	0
08/11/2022 18:50	6.4	261	11	8.3	0
08/11/2022 19:00	5.9	259	12	8.5	0
08/11/2022 19:10	6.2	261	10	8.7	0
08/11/2022 19:20	5.9	258	11	8.7	0
08/11/2022 19:30	6	256	11	8.8	0
08/11/2022 19:40	5.9	261	12	7.9	0
08/11/2022 19:50	5.6	257	12	8	0
08/11/2022 20:00	6	258	10	8.5	0
08/11/2022 20:10	6.3	258	11	8.3	0
08/11/2022 20:20	6.3	259	11	8.7	0
08/11/2022 20:30	6	255	12	8.8	0
08/11/2022 20:40	6.1	252	11	8.5	0
08/11/2022 20:50	6.6	252	13	9	0
08/11/2022 21:00	6.9	254	11	8.9	0
08/11/2022 21:10	6.7	253	12	9.4	0
08/11/2022 21:20	6.8	256	12	9.1	0
08/11/2022 21:30	6.1	253	13	8.7	0
08/11/2022 21:40	6.4	256	11	9	0
08/11/2022 21:50	6.6	253	11	9.1	0
08/11/2022 22:00	6.2	252	13	8.9	0
08/11/2022 22:10	6.3	255	12	8.8	0
08/11/2022 22:20	5.8	250	12	7.7	0
08/11/2022 22:30	6.3	258	11	9.5	0
08/11/2022 22:40	5.7	256	12	7.9	0
08/11/2022 22:50	6.1	255	14	8.2	0
08/11/2022 23:00	5.9	254	13	8.4	0
08/11/2022 23:10	5.6	253	11	8.1	0
08/11/2022 23:20	6.3	254	12	8.4	0
08/11/2022 23:30	4.6	249	13	6.3	0
08/11/2022 23:40	5.2	254	10	7.3	0
08/11/2022 23:50	5.1	253	13	7.4	0
09/11/2022 00:00	5.6	255	12	7.2	0
09/11/2022 00:10	5.2	249	11	7.1	0
09/11/2022 00:20	5.1	254	11	7.2	0
09/11/2022 00:30	6	257	12	8.8	0
09/11/2022 00:40	5.7	255	12	8.4	0
09/11/2022 00:50	6	253	11	8.3	0
09/11/2022 01:00	5.7	254	13	7.9	0
09/11/2022 01:10	6	252	15	8.5	0
09/11/2022 01:20	5.7	255	13	7.8	0
09/11/2022 01:30	6	250	14	8.5	0
09/11/2022 01:40	4.6	250	12	7.1	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/11/2022 01:50	5.4	248	14	8.1	0
09/11/2022 02:00	5.6	246	14	7.9	0
09/11/2022 02:10	6	245	13	8.6	0
09/11/2022 02:20	5	247	12	7.6	0
09/11/2022 02:30	5.1	245	13	7.4	0
09/11/2022 02:40	4.8	242	15	7.7	0
09/11/2022 02:50	4.9	244	12	7.7	0
09/11/2022 03:00	4.4	239	12	6.4	0
09/11/2022 03:10	4.6	244	13	7	0
09/11/2022 03:20	4.5	246	13	7.2	0
09/11/2022 03:30	4.4	250	11	6	0
09/11/2022 03:40	4.1	253	13	5.4	0
09/11/2022 03:50	4.6	255	11	5.9	0
09/11/2022 04:00	4.9	255	12	6.5	0
09/11/2022 04:10	5.1	257	12	6.8	0
09/11/2022 04:20	4.8	253	12	6.9	0
09/11/2022 04:30	4.4	254	11	5.6	0
09/11/2022 04:40	4.6	255	12	5.9	0
09/11/2022 04:50	4.8	254	11	6.4	0
09/11/2022 05:00	4.8	255	11	6.5	0
09/11/2022 05:10	4.1	253	11	5.5	0
09/11/2022 05:20	4.1	252	13	5.5	0
09/11/2022 05:30	4	248	10	5.6	0
09/11/2022 05:40	4.6	255	12	5.9	0
09/11/2022 05:50	4.7	254	10	6.2	0
09/11/2022 06:00	4.7	256	9	6.5	0
09/11/2022 06:10	4.6	255	11	6.1	0
09/11/2022 06:20	4.8	254	11	6.3	0
09/11/2022 06:30	4.5	252	13	6.2	0
09/11/2022 06:40	4.7	253	11	6.1	0
09/11/2022 06:50	4.3	252	12	5.6	0
09/11/2022 07:00	4.5	252	11	6.4	0
09/11/2022 07:10	4.6	254	11	6	0
09/11/2022 07:20	4.7	253	11	5.9	0
09/11/2022 07:30	4.9	253	12	6.2	0
09/11/2022 07:40	4.8	258	12	6.7	0
09/11/2022 07:50	5.3	253	11	6.6	0
09/11/2022 08:00	4.9	259	14	6.4	0
09/11/2022 08:10	5.2	253	13	6.8	0
09/11/2022 08:20	5.1	257	12	6.8	0
09/11/2022 08:30	5.1	255	10	6.8	0
09/11/2022 08:40	5.3	257	11	7	0
09/11/2022 08:50	4.8	256	12	6	0
09/11/2022 09:00	4.3	258	15	5.6	0
09/11/2022 09:10	4.3	264	13	5.9	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/11/2022 09:20	4.1	257	14	5.7	0
09/11/2022 09:30	4.5	260	12	5.6	0
09/11/2022 09:40	4.5	264	14	6.3	0
09/11/2022 09:50	4.8	280	13	6	0
09/11/2022 10:00	4.6	277	12	6	0
09/11/2022 10:10	4.9	274	14	6.4	0
09/11/2022 10:20	5	273	15	6.3	0
09/11/2022 10:30	5.1	269	15	6.5	0
09/11/2022 10:40	5.2	271	15	7	0
09/11/2022 10:50	5.3	276	12	6.7	0
09/11/2022 11:00	5.4	269	15	6.9	0
09/11/2022 11:10	5.3	271	14	7.1	0
09/11/2022 11:20	5.4	268	14	7.3	0
09/11/2022 11:30	5.6	268	13	7.8	0
09/11/2022 11:40	5.2	268	16	6.8	0
09/11/2022 11:50	5.2	266	16	7.2	0
09/11/2022 12:00	5.7	266	13	7.5	0
09/11/2022 12:10	5.9	267	15	7.8	0
09/11/2022 12:20	5.6	267	14	7.5	0
09/11/2022 12:30	6.1	267	16	7.7	0
09/11/2022 12:40	5.9	264	15	8	0
09/11/2022 12:50	6.1	267	16	8.2	0
09/11/2022 13:00	6.1	260	13	8.3	0
09/11/2022 13:10	5.8	259	12	7.8	0
09/11/2022 13:20	5.8	264	10	7.8	0
09/11/2022 13:30	5.6	269	13	7.8	0
09/11/2022 13:40	5.7	260	14	7.4	0
09/11/2022 13:50	6.2	260	12	7.5	0
09/11/2022 14:00	6.8	260	10	8	0
09/11/2022 14:10	6.7	265	11	8.6	0
09/11/2022 14:20	7	260	12	9.2	0
09/11/2022 14:30	7.7	262	9	9.8	0
09/11/2022 14:40	8	263	10	9.7	0
09/11/2022 14:50	8.1	264	9	10.2	0
09/11/2022 15:00	8	265	10	10.3	0
09/11/2022 15:10	7.1	267	13	9.2	0
09/11/2022 15:20	7.6	260	11	9.5	0
09/11/2022 15:30	6.2	262	12	8.3	0
09/11/2022 15:40	6.7	262	11	9.1	0
09/11/2022 15:50	7.2	263	10	9.1	0
09/11/2022 16:00	6.2	260	14	7.9	0
09/11/2022 16:10	6.6	262	12	8.3	0
09/11/2022 16:20	6.8	263	11	9.4	0
09/11/2022 16:30	6.4	261	11	9.1	0
09/11/2022 16:40	7.1	262	12	9.6	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/11/2022 16:50	6.8	261	12	9.4	0
09/11/2022 17:00	6.4	256	12	9	0
09/11/2022 17:10	6.7	263	10	9	0
09/11/2022 17:20	6.7	262	11	9.5	0
09/11/2022 17:30	7	263	9	9.4	0
09/11/2022 17:40	6.2	264	11	8.6	0
09/11/2022 17:50	6.5	262	10	9	0
09/11/2022 18:00	7.1	263	10	9.7	0
09/11/2022 18:10	6.8	264	12	8.7	0
09/11/2022 18:20	5.9	265	11	7.8	0
09/11/2022 18:30	5.9	265	10	7.6	0
09/11/2022 18:40	5.4	266	12	7.9	0
09/11/2022 18:50	5.7	265	11	7.9	0
09/11/2022 19:00	6.4	263	10	8.5	0
09/11/2022 19:10	6.2	263	9	7.9	0
09/11/2022 19:20	6.3	262	9	8.7	0
09/11/2022 19:30	6.4	264	10	8.6	0
09/11/2022 19:40	6.1	261	9	7.9	0
09/11/2022 19:50	6.2	263	11	7.8	0
09/11/2022 20:00	6.8	264	8	8.3	0
09/11/2022 20:10	6.5	263	9	8.6	0
09/11/2022 20:20	6.4	263	10	9.1	0
09/11/2022 20:30	6.3	262	10	8.7	0
09/11/2022 20:40	5.9	262	10	8	0
09/11/2022 20:50	6.1	262	11	8.3	0
09/11/2022 21:00	6.1	261	10	7.9	0
09/11/2022 21:10	6.5	262	12	9.1	0
09/11/2022 21:20	7	262	10	9.5	0
09/11/2022 21:30	6.8	259	10	9.3	0
09/11/2022 21:40	6.5	260	11	8.6	0
09/11/2022 21:50	6.8	261	11	9.8	0
09/11/2022 22:00	6.6	259	10	8.8	0
09/11/2022 22:10	6	260	12	7.7	0
09/11/2022 22:20	6.2	262	10	8.7	0
09/11/2022 22:30	6.4	262	12	8.5	0
09/11/2022 22:40	7.1	262	11	9.4	0
09/11/2022 22:50	6.2	259	12	8.8	0
09/11/2022 23:00	6.6	256	11	9.4	0
09/11/2022 23:10	6.5	254	10	8.6	0
09/11/2022 23:20	6.9	253	10	10.1	0
09/11/2022 23:30	6.6	255	12	9.2	0
09/11/2022 23:40	6.3	255	11	8.3	0
09/11/2022 23:50	6.5	255	12	9	0
10/11/2022 00:00	6.2	253	11	8.5	0
10/11/2022 00:10	6.3	252	12	8.6	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/11/2022 00:20	6.1	256	12	8.4	0
10/11/2022 00:30	6	255	12	8.6	0
10/11/2022 00:40	6.4	257	11	9.1	0
10/11/2022 00:50	6.2	257	11	7.9	0
10/11/2022 01:00	6.7	253	11	9	0
10/11/2022 01:10	5.7	254	12	7.9	0
10/11/2022 01:20	7.2	255	11	9.7	0
10/11/2022 01:30	6.9	254	12	9	0
10/11/2022 01:40	6.9	252	13	9.3	0
10/11/2022 01:50	6.9	253	12	9.5	0
10/11/2022 02:00	6.5	249	13	8.9	0
10/11/2022 02:10	6.6	252	12	10	0
10/11/2022 02:20	5.6	255	12	7.2	0
10/11/2022 02:30	7	254	13	9.8	0
10/11/2022 02:40	6.5	253	12	9.5	0
10/11/2022 02:50	6.7	253	11	9.4	0
10/11/2022 03:00	6.7	250	12	9.3	0
10/11/2022 03:10	5.9	251	13	8.2	0
10/11/2022 03:20	6.2	248	12	9.1	0
10/11/2022 03:30	6.9	249	13	9.6	0
10/11/2022 03:40	6.5	253	13	9.8	0
10/11/2022 03:50	6.7	252	12	9.9	0
10/11/2022 04:00	6.7	252	12	8.9	0
10/11/2022 04:10	6.5	251	13	9.6	0
10/11/2022 04:20	6.2	250	13	9.2	0
10/11/2022 04:30	5.9	243	14	8.5	0
10/11/2022 04:40	5.5	248	13	8.2	0
10/11/2022 04:50	6.4	245	13	9.1	0
10/11/2022 05:00	6.1	242	15	9	0
10/11/2022 05:10	6.3	243	12	8.8	0
10/11/2022 05:20	5.7	247	12	8.7	0
10/11/2022 05:30	5.5	245	12	7.7	0
10/11/2022 05:40	5.1	246	12	7.3	0
10/11/2022 05:50	5.1	247	12	7.2	0
10/11/2022 06:00	4.8	244	12	7.8	0
10/11/2022 06:10	4.8	243	12	6.6	0
10/11/2022 06:20	5.3	240	14	7.6	0
10/11/2022 06:30	5	241	14	7.4	0
10/11/2022 06:40	5.2	243	14	7.8	0
10/11/2022 06:50	5.1	241	13	7	0
10/11/2022 07:00	5.2	244	12	7	0
10/11/2022 07:10	5.9	247	12	8.1	0
10/11/2022 07:20	5.7	249	13	7.7	0
10/11/2022 07:30	6.2	254	11	8.2	0
10/11/2022 07:40	6.3	254	10	8.6	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/11/2022 07:50	6.8	257	10	9.3	0
10/11/2022 08:00	6.9	253	12	9.3	0
10/11/2022 08:10	6.6	248	14	9.2	0
10/11/2022 08:20	6.9	250	13	9.3	0
10/11/2022 08:30	6.3	250	13	9.1	0
10/11/2022 08:40	6.5	249	15	9.2	0
10/11/2022 08:50	6.8	256	12	9.9	0
10/11/2022 09:00	7	256	12	9.1	0
10/11/2022 09:10	6.6	260	12	9.1	0
10/11/2022 09:20	7.1	258	13	9.9	0
10/11/2022 09:30	7.2	260	11	9.6	0
10/11/2022 09:40	7.1	263	12	9.9	0
10/11/2022 09:50	7.4	261	13	9.9	0
10/11/2022 10:00	7.9	263	11	10	0
10/11/2022 10:10	8	263	12	10.9	0
10/11/2022 10:20	7.7	262	12	9.7	0
10/11/2022 10:30	8.1	263	10	11.4	0
10/11/2022 10:40	8.2	263	12	10.7	0
10/11/2022 10:50	8.1	259	12	11.9	0
10/11/2022 11:00	8.2	262	11	11.5	0
10/11/2022 11:10	8.4	261	10	11.7	0
10/11/2022 11:20	8	262	12	10.4	0
10/11/2022 11:30	8.3	264	12	10.5	0
10/11/2022 11:40	8.4	260	12	11.5	0
10/11/2022 11:50	8	259	12	11.7	0
10/11/2022 12:00	8.3	258	13	10.5	0
10/11/2022 12:10	8.8	260	11	11.7	0
10/11/2022 12:20	8.1	260	13	10.4	0
10/11/2022 12:30	8.4	261	11	12.3	0
10/11/2022 12:40	8.6	259	13	12	0
10/11/2022 12:50	8.4	262	12	11.8	0
10/11/2022 13:00	9.1	264	11	12	0
10/11/2022 13:10	8.9	261	14	11.9	0
10/11/2022 13:20	9.1	260	11	12.3	0
10/11/2022 13:30	8.6	263	12	11.8	0
10/11/2022 13:40	8.7	263	12	12.5	0
10/11/2022 13:50	9.1	264	11	12.1	0
10/11/2022 14:00	8.4	264	12	11.2	0
10/11/2022 14:10	8.7	265	12	11.9	0
10/11/2022 14:20	8.8	265	10	11.9	0
10/11/2022 14:30	8.1	262	12	10.9	0
10/11/2022 14:40	9	264	11	11.8	0
10/11/2022 14:50	9.1	262	12	12.3	0
10/11/2022 15:00	8.8	262	10	12.8	0
10/11/2022 15:10	8.3	262	10	11.5	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/11/2022 15:20	8.4	261	11	11.7	0
10/11/2022 15:30	8.2	258	10	10.7	0
10/11/2022 15:40	8	261	13	10.4	0
10/11/2022 15:50	8.4	262	10	11.3	0
10/11/2022 16:00	8.3	256	10	10.7	0
10/11/2022 16:10	8.5	259	10	11.1	0
10/11/2022 16:20	7.7	259	12	10.1	0
10/11/2022 16:30	7.3	257	13	9.9	0
10/11/2022 16:40	8	261	11	11.1	0
10/11/2022 16:50	7.7	260	12	11	0
10/11/2022 17:00	7.3	260	13	9.8	0
10/11/2022 17:10	7.2	261	13	9.7	0
10/11/2022 17:20	7.2	259	11	9.5	0
10/11/2022 17:30	7.4	257	10	10.1	0
10/11/2022 17:40	7.4	258	11	9.9	0
10/11/2022 17:50	7.7	255	13	9.9	0
10/11/2022 18:00	7.1	260	11	10.3	0
10/11/2022 18:10	7.4	260	12	9.9	0
10/11/2022 18:20	6.7	259	10	9.5	0
10/11/2022 18:30	6.8	262	11	8.6	0
10/11/2022 18:40	7.5	262	12	9.7	0
10/11/2022 18:50	7.1	260	11	9.4	0
10/11/2022 19:00	6.8	260	11	9.4	0
10/11/2022 19:10	6.9	259	11	9.1	0
10/11/2022 19:20	6	258	11	8.3	0
10/11/2022 19:30	6.1	256	12	9.1	0
10/11/2022 19:40	6	259	11	8.5	0
10/11/2022 19:50	6.1	259	13	8.6	0
10/11/2022 20:00	6.8	258	11	9.3	0
10/11/2022 20:10	7.2	262	10	9.5	0
10/11/2022 20:20	6.5	258	12	9	0
10/11/2022 20:30	6.2	255	11	8.7	0
10/11/2022 20:40	6.5	257	11	8.7	0
10/11/2022 20:50	6.8	260	11	9.3	0
10/11/2022 21:00	6.2	257	10	9.1	0
10/11/2022 21:10	6.5	258	12	9	0
10/11/2022 21:20	6.9	257	12	9.5	0
10/11/2022 21:30	6.6	258	10	8.7	0
10/11/2022 21:40	6	258	11	8.3	0
10/11/2022 21:50	5.4	257	13	7.7	0
10/11/2022 22:00	5.9	255	12	8.2	0
10/11/2022 22:10	6.1	256	11	7.8	0
10/11/2022 22:20	6.3	254	13	9.3	0
10/11/2022 22:30	6.6	254	11	9.1	0
10/11/2022 22:40	6.3	256	13	9.7	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/11/2022 22:50	7.1	257	12	9.6	0
10/11/2022 23:00	7.4	256	11	9.9	0
10/11/2022 23:10	7.2	255	11	9.5	0
10/11/2022 23:20	7.1	253	14	9.1	0
10/11/2022 23:30	6.9	255	13	8.5	0
10/11/2022 23:40	6.3	256	10	8.7	0
10/11/2022 23:50	7.3	255	13	9.9	0
11/11/2022 00:00	7.3	254	11	10.5	0
11/11/2022 00:10	5.9	249	13	9	0
11/11/2022 00:20	7	255	12	10.2	0
11/11/2022 00:30	6.2	254	12	8.8	0
11/11/2022 00:40	6.2	253	11	8.3	0
11/11/2022 00:50	7	253	12	9.8	0
11/11/2022 01:00	6.1	253	12	8.6	0
11/11/2022 01:10	6.7	256	9	9	0
11/11/2022 01:20	6.4	255	12	9.4	0
11/11/2022 01:30	5.9	256	11	8.3	0
11/11/2022 01:40	6.7	256	11	8.7	0
11/11/2022 01:50	5.9	255	12	8.2	0
11/11/2022 02:00	5.9	257	12	7.9	0
11/11/2022 02:10	5.8	254	12	8.2	0
11/11/2022 02:20	5.9	254	10	8	0
11/11/2022 02:30	5.6	250	13	7.5	0
11/11/2022 02:40	5.4	250	13	7.2	0
11/11/2022 02:50	5.1	250	14	7.6	0
11/11/2022 03:00	4.9	244	14	7.5	0
11/11/2022 03:10	4.9	251	12	7	0
11/11/2022 03:20	5.7	251	11	8.4	0
11/11/2022 03:30	4.8	249	14	6.8	0
11/11/2022 03:40	4.6	248	11	6.3	0
11/11/2022 03:50	4.6	248	13	6.8	0
11/11/2022 04:00	4.7	249	12	6.9	0
11/11/2022 04:10	4.9	253	13	7	0
11/11/2022 04:20	5.1	251	13	7.2	0
11/11/2022 04:30	5	248	13	6.9	0
11/11/2022 04:40	5.4	251	13	7.9	0
11/11/2022 04:50	5.2	249	12	6.9	0
11/11/2022 05:00	5	250	12	7	0
11/11/2022 05:10	4.9	250	11	6.7	0
11/11/2022 05:20	4.5	248	11	6.4	0
11/11/2022 05:30	4.6	255	11	6.6	0
11/11/2022 05:40	4.8	255	10	7.1	0
11/11/2022 05:50	5.1	256	12	6.9	0
11/11/2022 06:00	5.2	250	11	7.2	0
11/11/2022 06:10	5.5	252	12	7.4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/11/2022 06:20	5.3	252	11	7.7	0
11/11/2022 06:30	5.7	253	11	7.8	0
11/11/2022 06:40	5.2	255	11	7	0
11/11/2022 06:50	5.4	255	11	7	0
11/11/2022 07:00	5	253	13	7.1	0
11/11/2022 07:10	5.4	248	13	7.2	0
11/11/2022 07:20	5.4	255	12	7.2	0
11/11/2022 07:30	5	251	14	6.5	0
11/11/2022 07:40	5	254	12	7.3	0
11/11/2022 07:50	5.2	252	13	6.8	0
11/11/2022 08:00	4.7	253	16	7.1	0
11/11/2022 08:10	4.9	255	12	6.9	0
11/11/2022 08:20	4.9	257	12	6.3	0
11/11/2022 08:30	5.2	268	12	6.7	0
11/11/2022 08:40	5.4	261	12	6.8	0
11/11/2022 08:50	5.4	262	12	7.3	0
11/11/2022 09:00	5.7	265	11	7.4	0
11/11/2022 09:10	5.3	266	14	7	0
11/11/2022 09:20	5.2	274	15	7.2	0
11/11/2022 09:30	5.5	270	14	7.2	0
11/11/2022 09:40	5.7	266	13	7.5	0
11/11/2022 09:50	5.4	271	15	7.6	0
11/11/2022 10:00	5.4	270	17	7.5	0
11/11/2022 10:10	5.7	268	15	7.6	0
11/11/2022 10:20	5.8	265	14	7.5	0
11/11/2022 10:30	6.6	266	12	8.4	0
11/11/2022 10:40	6.7	265	12	8.9	0
11/11/2022 10:50	6.9	261	11	9.2	0
11/11/2022 11:00	6.6	263	12	8.7	0
11/11/2022 11:10	6.5	266	14	8.3	0
11/11/2022 11:20	6.5	265	14	8	0
11/11/2022 11:30	6.4	263	13	8.1	0
11/11/2022 11:40	6.6	262	10	9	0
11/11/2022 11:50	6.8	264	13	8.8	0
11/11/2022 12:00	6.7	261	13	8.7	0
11/11/2022 12:10	6.7	268	15	9.5	0
11/11/2022 12:20	7.2	264	14	9.2	0
11/11/2022 12:30	7.4	265	12	9.9	0
11/11/2022 12:40	7.5	266	14	9.7	0
11/11/2022 12:50	7.7	263	15	9.9	0
11/11/2022 13:00	7.7	265	11	10.5	0
11/11/2022 13:10	7.6	265	13	9.7	0
11/11/2022 13:20	7.7	262	12	9.9	0
11/11/2022 13:30	7.9	262	12	10.3	0
11/11/2022 13:40	7.3	264	12	9.4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/11/2022 13:50	7.3	266	13	9.9	0
11/11/2022 14:00	7.4	266	13	10.1	0
11/11/2022 14:10	7.3	263	13	9.9	0
11/11/2022 14:20	7.7	263	14	10.3	0
11/11/2022 14:30	7.6	265	11	9.9	0
11/11/2022 14:40	7.6	268	12	10.3	0
11/11/2022 14:50	7.9	264	12	10.7	0
11/11/2022 15:00	7.5	262	13	10.7	0
11/11/2022 15:10	7	264	12	9.4	0
11/11/2022 15:20	8.5	265	10	10.8	0
11/11/2022 15:30	8.5	264	11	11.7	0
11/11/2022 15:40	8	263	12	10.9	0
11/11/2022 15:50	8.4	265	11	11.1	0
11/11/2022 16:00	8.5	263	12	11.1	0
11/11/2022 16:10	8.5	263	11	10.7	0
11/11/2022 16:20	7.6	265	12	10.3	0
11/11/2022 16:30	7.9	263	11	10.9	0
11/11/2022 16:40	6.7	262	12	8.8	0
11/11/2022 16:50	6.3	263	13	8.3	0
11/11/2022 17:00	7	259	12	9.8	0
11/11/2022 17:10	7.5	261	12	11	0
11/11/2022 17:20	7.5	261	13	10.3	0
11/11/2022 17:30	6.9	262	10	9.6	0
11/11/2022 17:40	7.2	263	12	9.8	0
11/11/2022 17:50	7.2	264	12	10.3	0
11/11/2022 18:00	7.3	261	12	10	0
11/11/2022 18:10	7.3	259	12	9.2	0
11/11/2022 18:20	6.8	265	10	9.7	0
11/11/2022 18:30	6.3	263	12	8.8	0
11/11/2022 18:40	6.4	263	12	8.8	0
11/11/2022 18:50	6.6	262	11	9.4	0
11/11/2022 19:00	6.8	262	11	8.7	0
11/11/2022 19:10	6.6	263	11	8.8	0
11/11/2022 19:20	6.7	260	12	9.2	0
11/11/2022 19:30	7	262	11	9.6	0
11/11/2022 19:40	6.5	261	10	9.1	0
11/11/2022 19:50	6.4	261	10	9.3	0
11/11/2022 20:00	5.9	259	11	8.7	0
11/11/2022 20:10	6.5	256	13	8.9	0
11/11/2022 20:20	7.1	256	13	9.9	0
11/11/2022 20:30	7.2	259	11	9.3	0
11/11/2022 20:40	6.3	256	10	9.9	0
11/11/2022 20:50	6.3	257	10	8.7	0
11/11/2022 21:00	6.4	256	12	9	0
11/11/2022 21:10	6.5	254	11	8.9	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/11/2022 21:20	6.6	257	12	8.8	0
11/11/2022 21:30	5.8	254	10	8.5	0
11/11/2022 21:40	6.7	256	12	8.9	0
11/11/2022 21:50	6.4	255	12	9.3	0
11/11/2022 22:00	6.4	257	13	9	0
11/11/2022 22:10	6.1	255	12	8.7	0
11/11/2022 22:20	6.9	256	11	9.9	0
11/11/2022 22:30	6.1	254	12	9.7	0
11/11/2022 22:40	6.3	254	13	8.4	0
11/11/2022 22:50	5.5	256	12	7.7	0
11/11/2022 23:00	5.4	258	13	8.3	0
11/11/2022 23:10	5.8	254	11	7.9	0
11/11/2022 23:20	6.1	257	12	8.2	0
11/11/2022 23:30	5.5	255	11	7.4	0
11/11/2022 23:40	5.1	255	11	7.2	0
11/11/2022 23:50	5.1	256	11	7.2	0
12/11/2022 00:00	6	254	12	8	0
12/11/2022 00:10	5.8	254	12	7.6	0
12/11/2022 00:20	5.8	255	12	7.9	0
12/11/2022 00:30	6	256	12	8.3	0
12/11/2022 00:40	5.7	255	11	7.5	0
12/11/2022 00:50	5.6	256	11	7.7	0
12/11/2022 01:00	5.1	256	10	7.3	0
12/11/2022 01:10	5	255	12	7.2	0
12/11/2022 01:20	4.7	256	11	6.6	0
12/11/2022 01:30	4.8	254	12	6	0
12/11/2022 01:40	4.8	258	11	6.5	0
12/11/2022 01:50	4.8	254	12	7.1	0
12/11/2022 02:00	4.6	253	12	6.5	0
12/11/2022 02:10	4.4	251	12	6.1	0
12/11/2022 02:20	4.4	254	12	6.2	0
12/11/2022 02:30	4.7	255	12	6.8	0
12/11/2022 02:40	5	253	10	6.7	0
12/11/2022 02:50	5	252	12	6.7	0
12/11/2022 03:00	4.5	251	11	6.4	0
12/11/2022 03:10	4.4	251	10	6.4	0
12/11/2022 03:20	4.4	250	12	6.6	0
12/11/2022 03:30	4.8	249	12	6.8	0
12/11/2022 03:40	4.7	249	11	6.3	0
12/11/2022 03:50	4.3	251	12	6	0
12/11/2022 04:00	3.9	250	12	5.4	0
12/11/2022 04:10	3.4	250	12	4.8	0
12/11/2022 04:20	3.4	249	11	4.8	0
12/11/2022 04:30	3.2	249	11	4.1	0
12/11/2022 04:40	3.1	252	13	4.1	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/11/2022 04:50	2.9	251	10	4	0
12/11/2022 05:00	2.6	247	12	3.5	0
12/11/2022 05:10	2.7	248	10	3.7	0
12/11/2022 05:20	2.3	246	10	3	0
12/11/2022 05:30	2.3	246	11	3.2	0
12/11/2022 05:40	2.2	247	11	3	0
12/11/2022 05:50	2.6	246	8	3.6	0
12/11/2022 06:00	2.3	248	12	3.2	0
12/11/2022 06:10	2.7	247	13	3.6	0
12/11/2022 06:20	2.6	251	13	3.3	0
12/11/2022 06:30	2.3	267	11	2.9	0
12/11/2022 06:40	2.5	266	11	3.3	0
12/11/2022 06:50	2.3	275	14	3.1	0
12/11/2022 07:00	2.1	280	17	3.1	0
12/11/2022 07:10	2.2	286	17	3	0
12/11/2022 07:20	2.4	270	23	3.9	0
12/11/2022 07:30	2.4	259	19	3.6	0
12/11/2022 07:40	2.3	262	20	3.9	0
12/11/2022 07:50	2.3	272	23	3.6	0
12/11/2022 08:00	1.9	236	25	3	0
12/11/2022 08:10	2.7	219	19	4.2	0
12/11/2022 08:20	2.7	205	53	4.4	0
12/11/2022 08:30	2.7	175	53	4.4	0
12/11/2022 08:40	2.7	209	54	4.8	0.1
12/11/2022 08:50	2.9	216	43	4.4	0
12/11/2022 09:00	2.5	204	50	4.3	0
12/11/2022 09:10	3.1	222	21	4.5	0
12/11/2022 09:20	2.3	213	37	3.9	0
12/11/2022 09:30	2	161	50	3.3	0
12/11/2022 09:40	2	122	29	3.4	0
12/11/2022 09:50	1.5	217	75	2.8	0
12/11/2022 10:00	1.4	181	68	2.8	0
12/11/2022 10:10	3.1	270	22	4.5	0
12/11/2022 10:20	3.6	268	19	5.2	0
12/11/2022 10:30	4	265	17	5	0
12/11/2022 10:40	3.7	280	18	5.2	0
12/11/2022 10:50	3.8	288	17	5.3	0
12/11/2022 11:00	3.8	304	14	5	0
12/11/2022 11:10	3.9	297	13	5.3	0
12/11/2022 11:20	3.9	298	15	4.9	0
12/11/2022 11:30	3.5	301	14	5.2	0
12/11/2022 11:40	4.3	300	12	5.4	0
12/11/2022 11:50	4.8	298	9	6.1	0
12/11/2022 12:00	4.4	300	10	5.7	0
12/11/2022 12:10	5	299	11	6.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/11/2022 12:20	5.3	297	10	6.5	0
12/11/2022 12:30	5.4	296	9	6.8	0
12/11/2022 12:40	5.6	294	11	6.8	0
12/11/2022 12:50	5.8	296	9	7.2	0
12/11/2022 13:00	5.9	294	9	7.1	0
12/11/2022 13:10	5.4	297	10	6.8	0
12/11/2022 13:20	4.8	295	12	6.9	0
12/11/2022 13:30	5.5	298	12	7	0
12/11/2022 13:40	5.6	290	13	7	0
12/11/2022 13:50	5.4	291	12	7.2	0
12/11/2022 14:00	5	293	15	6.9	0
12/11/2022 14:10	5.4	299	12	7.2	0
12/11/2022 14:20	5.4	301	14	7.2	0
12/11/2022 14:30	5.4	293	13	7.4	0
12/11/2022 14:40	5.2	302	12	7.1	0
12/11/2022 14:50	5.5	298	15	7.2	0
12/11/2022 15:00	5.8	294	13	7.9	0
12/11/2022 15:10	6.1	292	12	8	0
12/11/2022 15:20	5.9	296	11	7.5	0
12/11/2022 15:30	5.9	298	11	7.7	0
12/11/2022 15:40	5.7	296	12	7.5	0
12/11/2022 15:50	5.5	300	13	7.3	0
12/11/2022 16:00	4.9	298	15	6.9	0
12/11/2022 16:10	5.6	295	12	7.6	0
12/11/2022 16:20	5.2	299	15	7.6	0
12/11/2022 16:30	5	295	14	6.9	0
12/11/2022 16:40	5.3	294	14	7.9	0
12/11/2022 16:50	5.4	300	13	7.7	0
12/11/2022 17:00	5.6	296	10	7.5	0
12/11/2022 17:10	5.4	291	13	7.5	0
12/11/2022 17:20	5.6	289	14	7.6	0
12/11/2022 17:30	5.1	290	13	7.5	0
12/11/2022 17:40	5.3	266	11	7.4	0
12/11/2022 17:50	5.2	271	13	7	0
12/11/2022 18:00	4.4	278	15	6.4	0
12/11/2022 18:10	4.9	270	13	6.4	0
12/11/2022 18:20	4.6	270	12	6.8	0
12/11/2022 18:30	5.6	264	12	7.7	0
12/11/2022 18:40	6.6	266	13	9.4	0
12/11/2022 18:50	6	263	10	7.8	0
12/11/2022 19:00	6.4	263	9	7.9	0
12/11/2022 19:10	5.1	267	13	7.6	0
12/11/2022 19:20	6	262	11	8.2	0
12/11/2022 19:30	5.7	263	10	7.5	0
12/11/2022 19:40	5.9	260	10	8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/11/2022 19:50	6.2	265	10	8.3	0
12/11/2022 20:00	6	267	12	8.3	0
12/11/2022 20:10	4.9	263	12	7	0
12/11/2022 20:20	4.7	271	14	7	0
12/11/2022 20:30	4.8	271	13	7.3	0
12/11/2022 20:40	4.7	272	14	6.8	0
12/11/2022 20:50	4.7	273	13	6.4	0
12/11/2022 21:00	4.5	270	14	6.2	0
12/11/2022 21:10	4.4	265	12	5.8	0
12/11/2022 21:20	5.5	264	10	8.3	0
12/11/2022 21:30	5.3	264	8	7.5	0
12/11/2022 21:40	6	263	11	7.9	0
12/11/2022 21:50	5.9	262	11	7.8	0
12/11/2022 22:00	5.7	264	11	8.4	0
12/11/2022 22:10	5.9	263	10	7.7	0
12/11/2022 22:20	6	263	11	8.9	0
12/11/2022 22:30	5.5	261	11	7.4	0
12/11/2022 22:40	5.5	262	11	7.5	0
12/11/2022 22:50	5.3	264	12	7.5	0
12/11/2022 23:00	5.5	264	11	7.2	0
12/11/2022 23:10	5.5	263	10	7.5	0
12/11/2022 23:20	5.4	261	10	7.4	0
12/11/2022 23:30	5.1	260	11	7.1	0
12/11/2022 23:40	5.2	262	11	7.2	0
12/11/2022 23:50	5.8	263	11	7.5	0
13/11/2022 00:00	5.2	263	10	6.9	0
13/11/2022 00:10	5.1	262	11	7.5	0
13/11/2022 00:20	5.5	265	10	7.2	0
13/11/2022 00:30	5.2	264	9	6.8	0
13/11/2022 00:40	4.9	262	9	6.6	0
13/11/2022 00:50	4.9	262	9	6.4	0
13/11/2022 01:00	5.2	264	9	6.8	0
13/11/2022 01:10	4.8	263	9	6.3	0
13/11/2022 01:20	4.7	263	11	6.1	0
13/11/2022 01:30	4.3	257	10	6	0
13/11/2022 01:40	4.2	257	11	6	0
13/11/2022 01:50	4	259	10	5.5	0
13/11/2022 02:00	4	260	10	5.5	0
13/11/2022 02:10	4.1	255	12	5.7	0
13/11/2022 02:20	3.3	259	11	4.5	0
13/11/2022 02:30	3.5	255	9	4.4	0
13/11/2022 02:40	3.3	253	11	4.4	0
13/11/2022 02:50	3.1	252	11	4	0
13/11/2022 03:00	2.8	253	10	3.7	0
13/11/2022 03:10	2.3	250	11	3.1	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/11/2022 03:20	2.5	249	9	3.5	0
13/11/2022 03:30	2.1	246	11	3.1	0
13/11/2022 03:40	1.7	246	13	2.5	0
13/11/2022 03:50	1.2	237	15	1.9	0
13/11/2022 04:00	0.4	173	13	1	0
13/11/2022 04:10	0.4	202	20	1.2	0
13/11/2022 04:20	0.7	252	21	1.1	0
13/11/2022 04:30	1.7	262	12	2.4	0
13/11/2022 04:40	2.4	252	11	3.5	0
13/11/2022 04:50	2.4	253	15	3.6	0
13/11/2022 05:00	2	253	12	2.7	0
13/11/2022 05:10	1.5	245	23	2	0
13/11/2022 05:20	1.1	265	25	1.6	0
13/11/2022 05:30	1.4	208	58	2.6	0
13/11/2022 05:40	1	124	58	1.8	0
13/11/2022 05:50	0.6	239	50	1.3	0
13/11/2022 06:00	0.6	220	16	1.6	0
13/11/2022 06:10	0.7	111	70	1.4	0
13/11/2022 06:20	0.6	176	48	1.1	0
13/11/2022 06:30	0.8	184	31	1.2	0
13/11/2022 06:40	0.8	146	63	1.6	0
13/11/2022 06:50	1.2	150	56	2	0
13/11/2022 07:00	1.9	142	37	2.9	0
13/11/2022 07:10	2.6	144	21	3.9	0
13/11/2022 07:20	3.1	141	15	4.6	0
13/11/2022 07:30	3.6	137	17	5.2	0
13/11/2022 07:40	3.9	138	17	6	0
13/11/2022 07:50	3.9	132	14	5.8	0
13/11/2022 08:00	4.2	132	17	5.8	0
13/11/2022 08:10	4.5	128	15	7.1	0
13/11/2022 08:20	4.6	122	14	6.9	0
13/11/2022 08:30	4.7	111	16	6.4	0
13/11/2022 08:40	5.6	104	11	7.4	0
13/11/2022 08:50	5.4	107	12	7.9	0
13/11/2022 09:00	6.4	107	12	8.7	0
13/11/2022 09:10	6.2	108	14	8.7	0
13/11/2022 09:20	6.7	107	10	9.3	0
13/11/2022 09:30	6.6	105	13	8.9	0
13/11/2022 09:40	6.1	106	12	8.7	0
13/11/2022 09:50	6.1	98	14	8.2	0
13/11/2022 10:00	6.1	92	14	8.3	0
13/11/2022 10:10	6.2	90	13	8.2	0
13/11/2022 10:20	6.3	87	12	8.8	0
13/11/2022 10:30	6.6	81	10	9.5	0
13/11/2022 10:40	6.9	81	12	9.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/11/2022 10:50	7.2	78	11	9.7	0
13/11/2022 11:00	7.9	77	11	10.7	0
13/11/2022 11:10	7.7	80	12	10.2	0
13/11/2022 11:20	7.3	78	12	10.7	0
13/11/2022 11:30	7.8	81	12	10.9	0
13/11/2022 11:40	7.3	72	11	10.1	0
13/11/2022 11:50	6.9	70	12	9.4	0
13/11/2022 12:00	7.8	68	11	10.3	0
13/11/2022 12:10	6.8	70	13	10	0
13/11/2022 12:20	7	66	12	9.5	0
13/11/2022 12:30	7	63	12	9.9	0
13/11/2022 12:40	7.1	67	12	9.6	0
13/11/2022 12:50	6.7	65	13	9.5	0
13/11/2022 13:00	6.9	63	12	9.3	0
13/11/2022 13:10	6.6	64	16	9.4	0
13/11/2022 13:20	6.9	61	11	8.7	0
13/11/2022 13:30	6.9	66	13	9.1	0
13/11/2022 13:40	6.2	66	13	8.3	0
13/11/2022 13:50	5.8	67	12	8	0
13/11/2022 14:00	5.6	59	15	8.2	0
13/11/2022 14:10	6	54	14	8.1	0
13/11/2022 14:20	4.9	54	16	7.1	0
13/11/2022 14:30	5.3	50	13	7.5	0
13/11/2022 14:40	5.5	43	13	7.3	0
13/11/2022 14:50	5.4	47	14	8.2	0
13/11/2022 15:00	5.7	44	13	7.9	0
13/11/2022 15:10	6.1	42	15	7.9	0
13/11/2022 15:20	4.7	29	17	7.2	0
13/11/2022 15:30	4.7	32	18	7.3	0
13/11/2022 15:40	4.6	27	15	6.8	0
13/11/2022 15:50	4.7	22	20	7.4	0
13/11/2022 16:00	5.6	41	14	7.5	0
13/11/2022 16:10	5.4	41	14	7.3	0
13/11/2022 16:20	4.2	8	19	6.6	0
13/11/2022 16:30	4.2	355	17	5.9	0
13/11/2022 16:40	4.5	357	17	6	0
13/11/2022 16:50	4.7	178	16	6.4	0
13/11/2022 17:00	4.6	9	17	6.8	0
13/11/2022 17:10	5.1	11	16	7.4	0
13/11/2022 17:20	4.6	7	17	6.4	0
13/11/2022 17:30	4.6	2	16	6.8	0
13/11/2022 17:40	4.7	5	17	6.6	0
13/11/2022 17:50	4.4	333	21	6.5	0
13/11/2022 18:00	5	297	13	7.2	0
13/11/2022 18:10	4.8	292	15	6.1	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/11/2022 18:20	4.9	290	13	6.5	0
13/11/2022 18:30	4.1	291	14	5.3	0
13/11/2022 18:40	3.9	287	16	5.5	0
13/11/2022 18:50	3.3	284	15	4.6	0
13/11/2022 19:00	3	280	16	4.3	0
13/11/2022 19:10	3.1	285	15	4.3	0
13/11/2022 19:20	2.9	269	14	4.2	0
13/11/2022 19:30	3	266	13	4.5	0
13/11/2022 19:40	2.8	271	12	3.9	0
13/11/2022 19:50	3.2	265	12	4.4	0
13/11/2022 20:00	3.4	263	11	4.7	0
13/11/2022 20:10	3.2	262	8	4	0
13/11/2022 20:20	3.3	264	9	4.6	0
13/11/2022 20:30	3.2	263	9	4.1	0
13/11/2022 20:40	2.7	264	9	3.5	0
13/11/2022 20:50	2.7	265	10	3.8	0
13/11/2022 21:00	2.4	271	12	3.5	0
13/11/2022 21:10	2.3	267	11	3.2	0
13/11/2022 21:20	1.9	270	12	2.6	0
13/11/2022 21:30	2	273	10	2.6	0
13/11/2022 21:40	2.1	273	12	2.8	0
13/11/2022 21:50	2.1	273	14	2.8	0
13/11/2022 22:00	1.9	276	14	2.6	0
13/11/2022 22:10	1.9	279	15	2.8	0
13/11/2022 22:20	1.9	280	16	2.7	0
13/11/2022 22:30	2.2	273	15	3.4	0
13/11/2022 22:40	2.7	264	12	3.5	0
13/11/2022 22:50	3.3	263	7	4	0
13/11/2022 23:00	3	263	8	3.9	0
13/11/2022 23:10	3	264	9	3.8	0
13/11/2022 23:20	2.5	264	9	3.2	0
13/11/2022 23:30	2.8	253	10	3.8	0
13/11/2022 23:40	3	254	11	3.9	0
13/11/2022 23:50	2.7	257	9	3.4	0
14/11/2022 00:00	2.6	264	9	3.5	0
14/11/2022 00:10	2.1	273	10	2.8	0
14/11/2022 00:20	2.2	277	7	2.8	0
14/11/2022 00:30	2.1	270	9	2.8	0
14/11/2022 00:40	2.1	268	8	2.7	0
14/11/2022 00:50	2.2	269	9	2.5	0
14/11/2022 01:00	2.1	271	10	2.6	0
14/11/2022 01:10	1.8	272	12	2.4	0
14/11/2022 01:20	1.8	281	13	2.5	0
14/11/2022 01:30	1.9	286	16	3.1	0
14/11/2022 01:40	2.7	299	12	3.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/11/2022 01:50	2.7	299	11	3.4	0
14/11/2022 02:00	2.5	297	13	3.4	0
14/11/2022 02:10	2.5	296	10	3.3	0
14/11/2022 02:20	2.2	296	12	3.1	0
14/11/2022 02:30	2.5	297	10	3.2	0
14/11/2022 02:40	1.9	287	14	2.7	0
14/11/2022 02:50	1.6	282	19	2.4	0
14/11/2022 03:00	1.3	281	17	1.9	0
14/11/2022 03:10	1.8	291	14	2.7	0
14/11/2022 03:20	2.4	299	11	3.2	0
14/11/2022 03:30	2.2	280	13	3.1	0
14/11/2022 03:40	2.5	271	14	3.2	0
14/11/2022 03:50	1.8	270	15	2.4	0
14/11/2022 04:00	1.1	276	18	1.6	0
14/11/2022 04:10	1.1	313	29	1.6	0
14/11/2022 04:20	0.5	304	21	1.2	0
14/11/2022 04:30	0.8	329	19	1.3	0
14/11/2022 04:40	1	319	25	1.9	0
14/11/2022 04:50	1.2	312	18	2	0
14/11/2022 05:00	0.2	145	24	0.7	0
14/11/2022 05:10	0.6	325	24	1.7	0
14/11/2022 05:20	0.1	232	19	0.8	0
14/11/2022 05:30	0	208	18	0.4	0
14/11/2022 05:40	0.8	308	26	2.4	0
14/11/2022 05:50	1.3	294	23	3.2	0
14/11/2022 06:00	1.7	287	20	2.8	0
14/11/2022 06:10	1.9	294	29	2.8	0
14/11/2022 06:20	0.8	305	53	1.7	0
14/11/2022 06:30	0.4	305	44	0.9	0
14/11/2022 06:40	1.1	145	38	2.4	0
14/11/2022 06:50	1.8	24	22	2.6	0
14/11/2022 07:00	2.1	17	20	2.9	0
14/11/2022 07:10	1.7	186	29	2.7	0
14/11/2022 07:20	1.8	27	25	2.8	0
14/11/2022 07:30	1.7	12	19	2.4	0
14/11/2022 07:40	1.5	349	29	2.4	0
14/11/2022 07:50	1.4	187	28	2.3	0
14/11/2022 08:00	1.7	78	22	2.6	0
14/11/2022 08:10	2.7	104	20	4.1	0
14/11/2022 08:20	3.5	98	16	4.8	0
14/11/2022 08:30	3.4	99	15	4.5	0
14/11/2022 08:40	3.7	90	13	5.3	0
14/11/2022 08:50	3.7	94	14	5	0
14/11/2022 09:00	3.7	105	17	5.6	0
14/11/2022 09:10	3.3	93	16	5.4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/11/2022 09:20	4	97	14	5.5	0
14/11/2022 09:30	4.1	97	11	5.4	0
14/11/2022 09:40	3.5	83	13	5.2	0
14/11/2022 09:50	4	89	14	5.6	0
14/11/2022 10:00	3.7	78	19	5.5	0
14/11/2022 10:10	4	61	19	6	0
14/11/2022 10:20	4.3	66	11	5.7	0
14/11/2022 10:30	4.4	68	12	6.3	0
14/11/2022 10:40	4	60	18	5.5	0
14/11/2022 10:50	4.1	68	15	5.6	0
14/11/2022 11:00	4.2	73	16	6	0
14/11/2022 11:10	4.8	88	14	6.8	0
14/11/2022 11:20	4.6	79	16	6.3	0
14/11/2022 11:30	4.7	76	16	6.5	0
14/11/2022 11:40	5.1	75	13	6.9	0
14/11/2022 11:50	5.8	76	13	7.9	0
14/11/2022 12:00	5.4	73	14	7.4	0
14/11/2022 12:10	5.3	67	13	7.6	0
14/11/2022 12:20	5.7	68	16	7.6	0
14/11/2022 12:30	5.2	70	15	7	0
14/11/2022 12:40	5.4	69	13	7.7	0
14/11/2022 12:50	5.2	66	13	7	0
14/11/2022 13:00	4.8	65	17	6.8	0
14/11/2022 13:10	4.5	69	14	6.4	0
14/11/2022 13:20	4.5	61	14	6.6	0
14/11/2022 13:30	4.3	61	16	6.4	0
14/11/2022 13:40	3.9	32	23	5.6	0
14/11/2022 13:50	4	10	27	5.7	0
14/11/2022 14:00	3.4	182	26	5.2	0
14/11/2022 14:10	4.1	340	23	6.4	0
14/11/2022 14:20	4.3	337	18	6.3	0
14/11/2022 14:30	4.1	345	16	5.9	0
14/11/2022 14:40	3.8	349	25	6.1	0
14/11/2022 14:50	3.5	356	25	5.5	0
14/11/2022 15:00	4	352	22	5.7	0
14/11/2022 15:10	3.8	354	21	5.6	0
14/11/2022 15:20	4.3	348	18	6	0
14/11/2022 15:30	3.6	10	23	5.5	0
14/11/2022 15:40	4.2	343	19	6.5	0
14/11/2022 15:50	3.2	356	25	5.6	0
14/11/2022 16:00	4.3	342	21	6	0
14/11/2022 16:10	4	347	18	5.8	0
14/11/2022 16:20	3.1	353	24	4.4	0
14/11/2022 16:30	3.5	355	22	5.2	0
14/11/2022 16:40	3.8	178	24	6.1	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/11/2022 16:50	3.6	3	22	5.4	0
14/11/2022 17:00	2.7	327	29	5	0
14/11/2022 17:10	3.4	315	22	5.9	0
14/11/2022 17:20	3.4	320	21	5.1	0
14/11/2022 17:30	3.6	309	18	5.6	0
14/11/2022 17:40	3.7	307	16	5.5	0
14/11/2022 17:50	3.1	317	21	4.7	0
14/11/2022 18:00	2.5	323	25	3.8	0
14/11/2022 18:10	2.9	328	19	5.3	0
14/11/2022 18:20	3	319	20	5.5	0
14/11/2022 18:30	3.9	300	13	5.3	0
14/11/2022 18:40	4.4	293	12	5.6	0
14/11/2022 18:50	4.7	294	10	5.8	0
14/11/2022 19:00	3.9	296	12	5.5	0
14/11/2022 19:10	3.5	294	12	4.8	0
14/11/2022 19:20	3.2	290	15	4.4	0
14/11/2022 19:30	3.2	270	16	4.4	0
14/11/2022 19:40	3.4	271	14	4.8	0
14/11/2022 19:50	3.5	270	14	4.7	0
14/11/2022 20:00	3.6	278	14	4.8	0
14/11/2022 20:10	3.2	272	14	4.5	0
14/11/2022 20:20	3.5	270	14	4.6	0
14/11/2022 20:30	3.2	272	14	4.7	0
14/11/2022 20:40	3.6	269	13	4.6	0
14/11/2022 20:50	3.5	265	12	4.5	0
14/11/2022 21:00	3.5	262	11	4.5	0
14/11/2022 21:10	3.2	264	12	4.7	0
14/11/2022 21:20	3.2	265	11	4.2	0
14/11/2022 21:30	3	266	12	4.1	0
14/11/2022 21:40	3.3	263	10	4.4	0
14/11/2022 21:50	3.5	262	10	4.5	0
14/11/2022 22:00	3.7	261	8	4.9	0
14/11/2022 22:10	3.4	262	11	4.6	0
14/11/2022 22:20	3.9	258	9	4.9	0
14/11/2022 22:30	3.4	260	9	4.6	0
14/11/2022 22:40	3.8	263	9	5	0
14/11/2022 22:50	4	263	9	5.2	0
14/11/2022 23:00	4.1	262	10	5.3	0
14/11/2022 23:10	4.2	260	10	5.3	0
14/11/2022 23:20	3.7	259	10	5.2	0
14/11/2022 23:30	4.2	255	10	5.6	0
14/11/2022 23:40	4	257	11	5.2	0
14/11/2022 23:50	4.1	258	12	5.5	0
15/11/2022 00:00	3.7	262	10	5.3	0
15/11/2022 00:10	3.9	261	11	5	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/11/2022 00:20	3.9	257	12	5.4	0
15/11/2022 00:30	3.8	259	10	5.4	0
15/11/2022 00:40	3.8	258	11	5.2	0
15/11/2022 00:50	3.7	256	9	4.9	0
15/11/2022 01:00	3.8	254	12	5.1	0
15/11/2022 01:10	3.9	255	10	5.2	0
15/11/2022 01:20	3.4	254	13	4.4	0
15/11/2022 01:30	3	253	12	4.4	0
15/11/2022 01:40	3.2	251	12	4.1	0
15/11/2022 01:50	3.2	247	11	4.7	0
15/11/2022 02:00	2.9	240	11	4	0
15/11/2022 02:10	2.9	238	14	3.7	0
15/11/2022 02:20	2.6	247	12	3.7	0
15/11/2022 02:30	2.6	252	12	3.8	0
15/11/2022 02:40	2.7	252	10	3.6	0
15/11/2022 02:50	2.6	260	9	3.5	0
15/11/2022 03:00	2.6	260	9	3.5	0
15/11/2022 03:10	2	261	9	2.6	0
15/11/2022 03:20	2.6	261	8	3.2	0
15/11/2022 03:30	2.7	261	9	3.5	0
15/11/2022 03:40	2.2	265	9	2.9	0
15/11/2022 03:50	2.4	260	8	3.1	0
15/11/2022 04:00	2.3	260	8	2.9	0
15/11/2022 04:10	2.4	259	8	3.1	0
15/11/2022 04:20	2	260	9	2.5	0
15/11/2022 04:30	2.1	261	9	2.7	0
15/11/2022 04:40	2	264	9	2.5	0
15/11/2022 04:50	1.7	265	10	2.3	0
15/11/2022 05:00	2.1	259	7	2.6	0
15/11/2022 05:10	2.2	260	7	2.8	0
15/11/2022 05:20	2.2	262	6	2.8	0
15/11/2022 05:30	2	259	8	2.7	0
15/11/2022 05:40	1.9	249	9	2.5	0
15/11/2022 05:50	2	249	13	2.8	0
15/11/2022 06:00	1.3	233	13	2.1	0
15/11/2022 06:10	1.2	229	13	1.8	0
15/11/2022 06:20	0.8	231	17	1.3	0
15/11/2022 06:30	0.9	220	15	1.5	0
15/11/2022 06:40	0.3	125	50	1.1	0
15/11/2022 06:50	0.8	138	22	1.4	0
15/11/2022 07:00	0.9	163	37	1.6	0
15/11/2022 07:10	0.5	180	34	1.2	0
15/11/2022 07:20	0.6	310	27	1.2	0
15/11/2022 07:30	1.2	228	20	2	0
15/11/2022 07:40	1.1	227	41	2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/11/2022 07:50	1.2	243	28	2.3	0
15/11/2022 08:00	1.2	213	39	2	0
15/11/2022 08:10	1.7	267	25	2.4	0
15/11/2022 08:20	2.1	308	20	3	0
15/11/2022 08:30	1.3	321	32	2	0
15/11/2022 08:40	1.6	328	28	2.6	0
15/11/2022 08:50	1.4	350	50	2.8	0
15/11/2022 09:00	1.6	102	31	3.2	0
15/11/2022 09:10	2.4	94	18	3.6	0
15/11/2022 09:20	1.3	167	64	2	0
15/11/2022 09:30	2.2	270	21	3.3	0
15/11/2022 09:40	2.3	216	29	4	0
15/11/2022 09:50	3.1	261	47	5.2	0
15/11/2022 10:00	2.4	311	30	3.8	0
15/11/2022 10:10	2.6	305	32	4.4	0
15/11/2022 10:20	3.1	323	20	4.1	0
15/11/2022 10:30	2.5	347	30	4.4	0
15/11/2022 10:40	2.6	169	30	4.3	0
15/11/2022 10:50	3	171	29	4.8	0
15/11/2022 11:00	2.6	9	28	4.2	0
15/11/2022 11:10	2.8	184	25	4.7	0
15/11/2022 11:20	2.7	189	25	4.3	0
15/11/2022 11:30	2.7	10	28	4	0
15/11/2022 11:40	3.2	10	21	5.1	0
15/11/2022 11:50	3.8	349	20	5.5	0
15/11/2022 12:00	3.5	12	23	5.2	0
15/11/2022 12:10	3.4	13	20	4.8	0
15/11/2022 12:20	3.5	183	23	5.4	0
15/11/2022 12:30	3.5	7	21	5.2	0
15/11/2022 12:40	3.5	355	20	5.7	0
15/11/2022 12:50	4.2	348	21	5.6	0
15/11/2022 13:00	4.1	346	20	6.1	0
15/11/2022 13:10	4.4	352	21	6.4	0
15/11/2022 13:20	4.6	338	17	6.5	0
15/11/2022 13:30	5.1	346	17	7.2	0
15/11/2022 13:40	4.7	176	20	7	0
15/11/2022 13:50	4.6	350	19	6.4	0
15/11/2022 14:00	4.7	175	20	6.4	0
15/11/2022 14:10	4.5	181	22	6.5	0
15/11/2022 14:20	4.3	6	24	6.4	0
15/11/2022 14:30	4.5	359	23	6	0
15/11/2022 14:40	4.4	3	20	6.3	0
15/11/2022 14:50	4.2	182	22	6.8	0
15/11/2022 15:00	4.2	176	20	6.4	0
15/11/2022 15:10	3.1	346	32	5.8	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/11/2022 15:20	3.7	350	23	5.6	0
15/11/2022 15:30	3.3	175	27	6	0
15/11/2022 15:40	3.4	176	23	5.8	0
15/11/2022 15:50	3.3	345	29	5.4	0
15/11/2022 16:00	3.3	171	27	5.8	0
15/11/2022 16:10	3.1	346	27	5.6	0
15/11/2022 16:20	2.9	343	35	4.8	0
15/11/2022 16:30	3.3	318	28	5.1	0
15/11/2022 16:40	3	332	29	5.6	0
15/11/2022 16:50	3.4	175	27	5.3	0
15/11/2022 17:00	3.2	6	22	5.2	0
15/11/2022 17:10	3.2	349	24	5.3	0
15/11/2022 17:20	3	343	29	5.4	0
15/11/2022 17:30	3.5	309	20	6.3	0
15/11/2022 17:40	4.7	302	13	6.9	0
15/11/2022 17:50	4.1	304	14	6.4	0
15/11/2022 18:00	3.6	306	20	5.8	0
15/11/2022 18:10	3.4	311	22	5.7	0
15/11/2022 18:20	4.2	298	14	6.2	0
15/11/2022 18:30	5.1	302	10	7.2	0
15/11/2022 18:40	5.3	303	12	7.3	0
15/11/2022 18:50	5.3	302	12	7.2	0
15/11/2022 19:00	3.7	308	17	5.9	0
15/11/2022 19:10	3.9	306	16	5.5	0
15/11/2022 19:20	4.3	299	14	6.3	0
15/11/2022 19:30	4	299	14	5.6	0
15/11/2022 19:40	3.9	300	15	5.2	0
15/11/2022 19:50	4.6	299	10	6.1	0
15/11/2022 20:00	4	290	15	5.3	0
15/11/2022 20:10	3.8	280	15	5.2	0
15/11/2022 20:20	3.8	279	18	5.2	0
15/11/2022 20:30	3.9	267	14	4.9	0
15/11/2022 20:40	3.4	268	13	4.8	0
15/11/2022 20:50	4	266	13	5.7	0
15/11/2022 21:00	3.2	271	14	4.4	0
15/11/2022 21:10	3.9	268	12	4.9	0
15/11/2022 21:20	3.6	276	14	5.1	0
15/11/2022 21:30	3.7	269	12	5.2	0
15/11/2022 21:40	3.2	267	13	4.5	0
15/11/2022 21:50	3.9	262	10	5.2	0
15/11/2022 22:00	3.4	270	11	4.4	0
15/11/2022 22:10	3.7	262	8	4.9	0
15/11/2022 22:20	3.6	257	11	4.6	0
15/11/2022 22:30	3.6	259	10	5	0
15/11/2022 22:40	3.6	260	11	4.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/11/2022 22:50	3.9	262	10	4.7	0
15/11/2022 23:00	3.9	262	10	4.9	0
15/11/2022 23:10	3.1	270	14	4.4	0
15/11/2022 23:20	3.4	268	13	4.4	0
15/11/2022 23:30	3.7	261	11	4.8	0
15/11/2022 23:40	3.2	265	10	4.5	0
15/11/2022 23:50	3.2	268	12	4.4	0
16/11/2022 00:00	3.5	261	9	4.3	0
16/11/2022 00:10	3.5	263	11	4.8	0
16/11/2022 00:20	3.4	264	11	4.5	0
16/11/2022 00:30	3.4	264	11	4.4	0
16/11/2022 00:40	3.7	260	11	4.8	0
16/11/2022 00:50	3.6	261	9	4.8	0
16/11/2022 01:00	3.3	260	9	4.1	0
16/11/2022 01:10	3	266	12	4.4	0
16/11/2022 01:20	3.5	264	11	4.7	0
16/11/2022 01:30	3.1	263	11	4.2	0
16/11/2022 01:40	3.3	260	10	4.4	0
16/11/2022 01:50	3.6	260	10	4.8	0
16/11/2022 02:00	3.2	263	9	4	0
16/11/2022 02:10	2.9	257	11	3.8	0
16/11/2022 02:20	3.5	263	13	4.7	0
16/11/2022 02:30	3.8	261	9	4.9	0
16/11/2022 02:40	3.6	260	9	4.4	0
16/11/2022 02:50	3.8	258	9	4.8	0
16/11/2022 03:00	3.7	259	9	4.5	0
16/11/2022 03:10	3.3	262	10	4.8	0
16/11/2022 03:20	3.1	266	11	4.5	0
16/11/2022 03:30	3.3	264	10	4.4	0
16/11/2022 03:40	3.4	267	12	4.4	0
16/11/2022 03:50	3.1	266	11	4.4	0
16/11/2022 04:00	3.2	262	10	4.3	0
16/11/2022 04:10	2.7	266	12	3.6	0
16/11/2022 04:20	3	263	10	3.7	0
16/11/2022 04:30	2.9	266	10	3.9	0
16/11/2022 04:40	2.7	270	11	3.4	0
16/11/2022 04:50	2.5	265	12	3.2	0
16/11/2022 05:00	2.6	262	8	3.4	0
16/11/2022 05:10	2.8	260	8	3.4	0
16/11/2022 05:20	2.9	260	9	3.6	0
16/11/2022 05:30	2.9	259	8	3.6	0
16/11/2022 05:40	3	261	8	3.6	0
16/11/2022 05:50	3	262	8	3.7	0
16/11/2022 06:00	3	262	10	3.6	0
16/11/2022 06:10	3	255	10	3.7	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/11/2022 06:20	2.7	261	11	3.3	0
16/11/2022 06:30	2.7	262	11	3.3	0
16/11/2022 06:40	3	261	10	4	0
16/11/2022 06:50	3.1	261	14	4	0
16/11/2022 07:00	3	268	15	4.1	0
16/11/2022 07:10	3	274	14	3.9	0
16/11/2022 07:20	3.4	283	18	4.9	0
16/11/2022 07:30	3.4	281	21	4.7	0
16/11/2022 07:40	3.4	280	18	4.4	0
16/11/2022 07:50	3.5	296	13	4.8	0
16/11/2022 08:00	3.5	282	17	4.8	0
16/11/2022 08:10	3.5	276	20	4.8	0
16/11/2022 08:20	3.5	291	20	5	0
16/11/2022 08:30	3.6	278	18	5.1	0
16/11/2022 08:40	3.5	289	20	4.9	0
16/11/2022 08:50	3.4	286	19	4.9	0
16/11/2022 09:00	3.8	288	18	5.2	0
16/11/2022 09:10	3.7	288	16	5.3	0
16/11/2022 09:20	3.3	293	19	5.3	0
16/11/2022 09:30	3.2	293	20	5	0
16/11/2022 09:40	3.6	282	19	5.6	0
16/11/2022 09:50	3.7	264	19	5.6	0
16/11/2022 10:00	4.1	271	20	6.1	0
16/11/2022 10:10	4	273	22	6	0
16/11/2022 10:20	4	290	21	5.3	0
16/11/2022 10:30	3.9	288	24	6	0
16/11/2022 10:40	4.2	300	16	5.8	0
16/11/2022 10:50	4.1	288	18	6	0
16/11/2022 11:00	4.2	278	19	6	0
16/11/2022 11:10	4.1	290	17	6.4	0
16/11/2022 11:20	4.7	283	15	6.4	0
16/11/2022 11:30	4.6	297	20	6.4	0
16/11/2022 11:40	4.5	300	19	6.9	0
16/11/2022 11:50	5.3	291	13	6.8	0
16/11/2022 12:00	4.8	298	14	6.6	0
16/11/2022 12:10	4.8	292	17	6.9	0
16/11/2022 12:20	4.9	302	20	6.9	0
16/11/2022 12:30	4.8	293	15	7	0
16/11/2022 12:40	4.9	292	18	7.1	0
16/11/2022 12:50	4.6	302	15	7	0
16/11/2022 13:00	5.2	295	16	7.8	0
16/11/2022 13:10	4.7	301	16	7	0
16/11/2022 13:20	5.1	296	13	7.3	0
16/11/2022 13:30	4.8	296	17	7.3	0
16/11/2022 13:40	4.5	299	18	6.7	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/11/2022 13:50	4.8	287	15	6.8	0
16/11/2022 14:00	5	290	15	7	0
16/11/2022 14:10	5	291	16	7.2	0
16/11/2022 14:20	4.9	292	18	6.7	0
16/11/2022 14:30	5.1	292	14	6.8	0
16/11/2022 14:40	5.3	287	15	7.2	0
16/11/2022 14:50	5.3	297	15	7.5	0
16/11/2022 15:00	5	286	16	7.1	0
16/11/2022 15:10	5.1	287	17	7.2	0
16/11/2022 15:20	5.5	295	14	7.5	0
16/11/2022 15:30	5.3	288	15	6.9	0
16/11/2022 15:40	4.8	288	15	7	0
16/11/2022 15:50	5.2	294	18	7.3	0
16/11/2022 16:00	4.8	291	14	7.3	0
16/11/2022 16:10	5.2	291	14	7.1	0
16/11/2022 16:20	5.1	289	14	7.2	0
16/11/2022 16:30	5.1	291	15	7	0
16/11/2022 16:40	5.3	289	16	7.2	0
16/11/2022 16:50	4.9	286	17	6.8	0
16/11/2022 17:00	4.5	286	20	6.6	0
16/11/2022 17:10	4.6	283	17	6.1	0
16/11/2022 17:20	4.3	293	17	6.5	0
16/11/2022 17:30	4.5	279	14	7	0
16/11/2022 17:40	4.2	286	16	6	0
16/11/2022 17:50	4.7	282	15	6.3	0
16/11/2022 18:00	4.4	288	14	5.9	0
16/11/2022 18:10	4.3	286	16	5.9	0
16/11/2022 18:20	4	283	16	5.6	0
16/11/2022 18:30	4.4	282	16	6.4	0
16/11/2022 18:40	3.9	283	17	5.6	0
16/11/2022 18:50	4	281	15	5.6	0
16/11/2022 19:00	4	279	15	5.8	0
16/11/2022 19:10	4	285	15	5.4	0
16/11/2022 19:20	3.8	274	15	5.3	0
16/11/2022 19:30	3.5	274	16	5	0
16/11/2022 19:40	3.7	268	13	5	0
16/11/2022 19:50	3.8	274	15	5.2	0
16/11/2022 20:00	4.1	267	15	5.4	0
16/11/2022 20:10	4.1	268	13	5.6	0
16/11/2022 20:20	3.8	271	13	5.3	0
16/11/2022 20:30	4.4	262	12	6	0
16/11/2022 20:40	5.1	260	8	6.4	0
16/11/2022 20:50	4.6	265	11	6.3	0
16/11/2022 21:00	4.6	266	13	6.5	0
16/11/2022 21:10	4.2	266	10	5.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/11/2022 21:20	4.3	265	11	6	0
16/11/2022 21:30	4.6	263	11	6.7	0
16/11/2022 21:40	4.2	265	12	5.6	0
16/11/2022 21:50	4.8	260	9	6.3	0
16/11/2022 22:00	4.2	263	11	5.5	0
16/11/2022 22:10	4.7	262	10	6.2	0
16/11/2022 22:20	4	265	10	5.6	0
16/11/2022 22:30	4.2	262	10	5.5	0
16/11/2022 22:40	4.1	269	13	5.7	0
16/11/2022 22:50	4.1	261	10	6.1	0
16/11/2022 23:00	3.8	268	12	5.1	0
16/11/2022 23:10	4.2	265	12	6	0
16/11/2022 23:20	3.6	269	13	4.8	0
16/11/2022 23:30	3.8	261	9	4.9	0
16/11/2022 23:40	4	262	10	5.3	0
16/11/2022 23:50	4.3	256	10	6	0
17/11/2022 00:00	4.5	262	9	6	0
17/11/2022 00:10	4.3	261	11	5.8	0
17/11/2022 00:20	4.2	262	11	5.6	0
17/11/2022 00:30	4.2	258	14	5.6	0
17/11/2022 00:40	4.1	265	12	5.9	0
17/11/2022 00:50	5	263	10	6.5	0
17/11/2022 01:00	3.9	262	10	4.9	0
17/11/2022 01:10	4.7	264	9	6.5	0
17/11/2022 01:20	4.1	262	12	5.8	0
17/11/2022 01:30	3.9	264	13	5.4	0
17/11/2022 01:40	4.4	264	12	6	0
17/11/2022 01:50	4.4	263	11	6.4	0
17/11/2022 02:00	4.8	262	9	6.3	0
17/11/2022 02:10	4.3	263	10	5.6	0
17/11/2022 02:20	4.5	259	10	5.6	0
17/11/2022 02:30	4.7	264	10	6.4	0
17/11/2022 02:40	4.3	262	11	6	0
17/11/2022 02:50	3.9	265	13	5.3	0
17/11/2022 03:00	4.1	264	8	5.4	0
17/11/2022 03:10	3.8	258	8	5.1	0
17/11/2022 03:20	3.6	263	12	4.8	0
17/11/2022 03:30	3.3	269	13	4.4	0
17/11/2022 03:40	3.9	270	11	5.4	0
17/11/2022 03:50	4.4	256	12	6	0
17/11/2022 04:00	4.1	257	13	5.6	0
17/11/2022 04:10	4.5	255	10	5.9	0
17/11/2022 04:20	4	261	11	5.5	0
17/11/2022 04:30	4.1	259	11	5.7	0
17/11/2022 04:40	4.3	254	11	6.1	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/11/2022 04:50	3.8	255	11	5.7	0
17/11/2022 05:00	3.8	255	11	5.5	0
17/11/2022 05:10	4.3	258	11	5.6	0
17/11/2022 05:20	4.8	259	11	7.2	0
17/11/2022 05:30	4.8	260	11	6.1	0
17/11/2022 05:40	4.2	262	10	5.6	0
17/11/2022 05:50	3.9	268	13	5.5	0
17/11/2022 06:00	4.4	266	12	5.8	0
17/11/2022 06:10	3.9	266	13	5.5	0
17/11/2022 06:20	4.3	270	14	6.4	0
17/11/2022 06:30	4.1	274	13	6.1	0
17/11/2022 06:40	3.8	268	13	5.4	0
17/11/2022 06:50	3.8	266	14	5.2	0
17/11/2022 07:00	4.4	261	10	5.8	0
17/11/2022 07:10	4.2	258	11	5.9	0
17/11/2022 07:20	4.4	260	11	5.8	0
17/11/2022 07:30	4.4	263	13	6.2	0
17/11/2022 07:40	4.1	261	16	6.4	0
17/11/2022 07:50	4.5	257	13	6	0
17/11/2022 08:00	3.4	247	14	5.2	0
17/11/2022 08:10	4	256	15	5.6	0
17/11/2022 08:20	3.7	245	13	5.2	0
17/11/2022 08:30	3.9	261	16	5.4	0
17/11/2022 08:40	4.2	243	16	5.7	0
17/11/2022 08:50	4.3	240	15	6.3	0
17/11/2022 09:00	4.7	253	14	6.3	0
17/11/2022 09:10	4.7	256	14	6.4	0
17/11/2022 09:20	4.9	260	16	6.1	0
17/11/2022 09:30	4.3	259	16	6.4	0
17/11/2022 09:40	4.6	261	16	6	0
17/11/2022 09:50	4.9	262	15	6.5	0
17/11/2022 10:00	5.6	264	14	7.3	0
17/11/2022 10:10	5.3	257	16	7.2	0
17/11/2022 10:20	5.2	266	15	6.9	0
17/11/2022 10:30	5.9	269	15	7.8	0
17/11/2022 10:40	5.4	268	14	7.1	0
17/11/2022 10:50	5.1	268	13	7	0
17/11/2022 11:00	5.2	264	15	7.4	0
17/11/2022 11:10	6	270	17	7.7	0
17/11/2022 11:20	6.5	266	13	8.5	0
17/11/2022 11:30	6.8	268	13	8.7	0
17/11/2022 11:40	6.4	270	15	8.4	0
17/11/2022 11:50	6.9	263	11	8.7	0
17/11/2022 12:00	6.9	263	13	9.6	0
17/11/2022 12:10	7.2	265	13	9.5	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/11/2022 12:20	6.9	268	14	8.9	0
17/11/2022 12:30	6.6	261	13	8.9	0
17/11/2022 12:40	6.2	265	13	8.7	0
17/11/2022 12:50	6.7	263	12	9.2	0
17/11/2022 13:00	6.9	262	15	9.3	0
17/11/2022 13:10	7.1	266	13	9.5	0
17/11/2022 13:20	7	266	12	9.1	0
17/11/2022 13:30	7.4	260	11	9.5	0
17/11/2022 13:40	7.1	261	13	9.9	0
17/11/2022 13:50	6.7	257	13	9.2	0
17/11/2022 14:00	7.3	256	12	9.8	0
17/11/2022 14:10	6.6	256	13	8.7	0
17/11/2022 14:20	6.8	254	14	9.4	0
17/11/2022 14:30	7.3	254	11	10.1	0
17/11/2022 14:40	6.6	256	12	8.8	0
17/11/2022 14:50	6.2	259	13	8.4	0
17/11/2022 15:00	6.3	260	15	8.4	0
17/11/2022 15:10	6.9	265	17	9.5	0
17/11/2022 15:20	5.5	278	17	7.9	0
17/11/2022 15:30	5.5	285	18	7.9	0
17/11/2022 15:40	6	282	16	8.8	0
17/11/2022 15:50	7	266	11	9.3	0
17/11/2022 16:00	6.8	260	13	9.3	0
17/11/2022 16:10	6.6	257	11	8.7	0
17/11/2022 16:20	7.2	261	10	9.3	0
17/11/2022 16:30	6.8	261	13	10.1	0
17/11/2022 16:40	7.4	264	13	9.8	0
17/11/2022 16:50	7.7	263	10	10.3	0
17/11/2022 17:00	7.8	260	9	9.9	0
17/11/2022 17:10	7	261	12	9.1	0
17/11/2022 17:20	6.6	263	10	9.5	0
17/11/2022 17:30	7.3	267	11	9.7	0
17/11/2022 17:40	7.2	265	12	9.3	0
17/11/2022 17:50	7.3	264	11	9.6	0
17/11/2022 18:00	7.4	264	10	9.9	0
17/11/2022 18:10	7.3	265	10	10	0
17/11/2022 18:20	7.1	262	11	9.7	0
17/11/2022 18:30	6.9	260	10	9.3	0
17/11/2022 18:40	7.7	264	10	10	0
17/11/2022 18:50	7.2	262	12	10.3	0
17/11/2022 19:00	7.2	264	10	9.9	0
17/11/2022 19:10	8.1	262	10	10.6	0
17/11/2022 19:20	7.3	262	12	9.3	0
17/11/2022 19:30	7.4	259	10	10.3	0
17/11/2022 19:40	7.2	259	12	10.5	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/11/2022 19:50	7.3	261	11	10.3	0
17/11/2022 20:00	7.6	255	12	10.6	0
17/11/2022 20:10	8.3	255	12	11.1	0
17/11/2022 20:20	8.2	256	12	11.1	0
17/11/2022 20:30	8.5	255	12	12.3	0
17/11/2022 20:40	6.9	255	12	9.5	0
17/11/2022 20:50	6.9	256	10	9.5	0
17/11/2022 21:00	7.3	256	11	9.8	0
17/11/2022 21:10	7.8	257	12	10.7	0
17/11/2022 21:20	7.8	256	12	10.7	0
17/11/2022 21:30	7.4	258	12	10.1	0
17/11/2022 21:40	7.5	256	12	11	0
17/11/2022 21:50	7.8	257	12	10.4	0
17/11/2022 22:00	7.7	257	12	10.9	0
17/11/2022 22:10	7.7	255	13	10.2	0
17/11/2022 22:20	7.8	258	11	10	0
17/11/2022 22:30	8.2	256	12	10.5	0
17/11/2022 22:40	7.8	260	11	10.3	0
17/11/2022 22:50	7.1	258	11	10.6	0
17/11/2022 23:00	8.2	255	11	10.9	0
17/11/2022 23:10	7.9	259	11	11.4	0
17/11/2022 23:20	7.6	257	11	10.4	0
17/11/2022 23:30	7.8	258	11	10.9	0
17/11/2022 23:40	8.3	252	12	10.8	0
17/11/2022 23:50	8.1	255	14	11.2	0
18/11/2022 00:00	7.8	251	11	10.6	0
18/11/2022 00:10	7	252	13	10.3	0
18/11/2022 00:20	7.3	251	13	10.3	0
18/11/2022 00:30	6.9	246	11	10.3	0
18/11/2022 00:40	6.4	242	12	9.1	0
18/11/2022 00:50	6.7	242	13	10	0
18/11/2022 01:00	6.8	243	12	10.7	0
18/11/2022 01:10	7.4	242	15	9.9	0
18/11/2022 01:20	6.8	243	14	10	0
18/11/2022 01:30	7.9	244	12	11.5	0
18/11/2022 01:40	7.5	242	12	11.1	0
18/11/2022 01:50	7.2	245	13	10.9	0
18/11/2022 02:00	6.5	249	11	9.2	0
18/11/2022 02:10	6.8	246	13	9.3	0
18/11/2022 02:20	7.3	245	11	10.1	0
18/11/2022 02:30	7.8	247	13	10.9	0
18/11/2022 02:40	6.9	251	12	9.9	0
18/11/2022 02:50	6.8	242	14	9.7	0
18/11/2022 03:00	6.2	238	13	10.3	0
18/11/2022 03:10	6.3	241	13	9.1	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/11/2022 03:20	6.2	242	13	9.9	0
18/11/2022 03:30	5.8	239	14	7.9	0
18/11/2022 03:40	5.9	243	13	8.2	0
18/11/2022 03:50	5.7	240	14	8	0
18/11/2022 04:00	5	242	13	8.4	0
18/11/2022 04:10	6	240	14	8.6	0
18/11/2022 04:20	5.1	242	14	7.5	0
18/11/2022 04:30	5.5	236	14	8.2	0
18/11/2022 04:40	4.7	235	15	6.8	0
18/11/2022 04:50	5	234	16	7.9	0
18/11/2022 05:00	5	234	15	7.4	0
18/11/2022 05:10	4.8	233	15	7.6	0
18/11/2022 05:20	4.6	233	15	6.4	0
18/11/2022 05:30	4.7	230	14	7.5	0
18/11/2022 05:40	4.8	233	14	7.2	0
18/11/2022 05:50	4.2	229	15	6.4	0
18/11/2022 06:00	4.5	234	16	6.8	0
18/11/2022 06:10	4.6	232	16	6.4	0
18/11/2022 06:20	4.9	233	15	7.8	0
18/11/2022 06:30	4.8	234	15	7.6	0
18/11/2022 06:40	5.2	234	15	7.7	0
18/11/2022 06:50	5.4	229	15	7.6	0
18/11/2022 07:00	5.4	230	17	8.1	0
18/11/2022 07:10	5.8	230	15	8.4	0
18/11/2022 07:20	5	233	18	7.7	0
18/11/2022 07:30	5.4	231	15	7.8	0
18/11/2022 07:40	5.3	223	16	7.6	0
18/11/2022 07:50	6	225	16	8.1	0
18/11/2022 08:00	4.8	231	16	7.8	0
18/11/2022 08:10	5	233	16	7.5	0
18/11/2022 08:20	5	227	16	7.8	0
18/11/2022 08:30	5.5	227	19	8.4	0
18/11/2022 08:40	5.9	236	15	7.8	0
18/11/2022 08:50	5.4	234	15	7.9	0
18/11/2022 09:00	6.3	241	12	8.3	0
18/11/2022 09:10	5.4	232	14	7.9	0
18/11/2022 09:20	5.5	227	16	8	0
18/11/2022 09:30	5.7	238	14	8	0
18/11/2022 09:40	5.5	233	14	8	0
18/11/2022 09:50	5	225	18	8	0
18/11/2022 10:00	4.7	235	16	7.2	0
18/11/2022 10:10	5.1	247	15	8	0
18/11/2022 10:20	4.7	243	17	7.4	0
18/11/2022 10:30	5.8	257	14	7.9	0
18/11/2022 10:40	6	270	15	8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/11/2022 10:50	6.6	266	14	9.1	0
18/11/2022 11:00	6.6	264	13	8.7	0
18/11/2022 11:10	6.9	271	15	8.7	0
18/11/2022 11:20	7.4	266	14	10.3	0
18/11/2022 11:30	6.8	265	13	8.7	0
18/11/2022 11:40	6.2	268	17	8.9	0
18/11/2022 11:50	6.9	270	16	9.6	0
18/11/2022 12:00	7	274	15	9.7	0
18/11/2022 12:10	7.2	265	13	9.5	0
18/11/2022 12:20	7.6	266	13	10	0
18/11/2022 12:30	7.1	271	14	9.2	0
18/11/2022 12:40	6.8	272	15	9.1	0
18/11/2022 12:50	7.9	265	13	10.9	0
18/11/2022 13:00	7.6	264	12	10.4	0
18/11/2022 13:10	7.9	267	13	10.5	0
18/11/2022 13:20	7.9	265	12	10	0
18/11/2022 13:30	8.6	266	13	11.5	0
18/11/2022 13:40	8.1	264	12	10.4	0
18/11/2022 13:50	7.4	268	13	10.3	0
18/11/2022 14:00	7.9	263	13	9.9	0
18/11/2022 14:10	8.5	263	11	10.7	0
18/11/2022 14:20	7.6	264	12	10	0
18/11/2022 14:30	8	266	14	11.7	0
18/11/2022 14:40	8.4	266	14	11.4	0
18/11/2022 14:50	8.1	267	11	11	0
18/11/2022 15:00	8.3	267	12	11	0
18/11/2022 15:10	7.3	265	12	10.7	0
18/11/2022 15:20	7.9	264	13	10.2	0
18/11/2022 15:30	7.3	267	13	10.1	0
18/11/2022 15:40	7.8	263	13	10.5	0
18/11/2022 15:50	7.1	266	14	9.7	0
18/11/2022 16:00	7.2	269	15	10	0
18/11/2022 16:10	8	269	12	11.1	0
18/11/2022 16:20	7.2	265	11	10.2	0
18/11/2022 16:30	7.4	269	14	10.2	0
18/11/2022 16:40	7.8	264	12	10.1	0
18/11/2022 16:50	7.3	265	13	10	0
18/11/2022 17:00	8.7	262	10	10.8	0
18/11/2022 17:10	8.1	261	11	11.2	0
18/11/2022 17:20	7.9	263	12	10.7	0
18/11/2022 17:30	8.2	261	11	11.1	0
18/11/2022 17:40	7.4	264	11	10	0
18/11/2022 17:50	8.1	265	10	11.2	0
18/11/2022 18:00	8.5	263	12	11.5	0
18/11/2022 18:10	7.9	263	11	10.4	0



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/11/2022 18:20	8.6	264	10	11.5	0
18/11/2022 18:30	7.9	262	12	10.4	0
18/11/2022 18:40	7.3	261	12	10.3	0
18/11/2022 18:50	7.7	262	11	10.7	0
18/11/2022 19:00	8.2	259	12	10.9	0
18/11/2022 19:10	8.5	263	11	11.7	0
18/11/2022 19:20	7.6	264	11	10.3	0
18/11/2022 19:30	8.3	261	11	11.5	0
18/11/2022 19:40	7.7	257	12	10.9	0
18/11/2022 19:50	8.1	260	10	11.1	0
18/11/2022 20:00	7.7	262	11	10.5	0
18/11/2022 20:10	7.7	260	10	10.3	0
18/11/2022 20:20	8	258	12	10.8	0
18/11/2022 20:30	8	256	11	10.3	0
18/11/2022 20:40	8	259	11	11.1	0
18/11/2022 20:50	7.5	256	13	10.3	0
18/11/2022 21:00	7.9	257	12	10.6	0
18/11/2022 21:10	7.9	255	12	10.2	0
18/11/2022 21:20	7.3	256	10	10.1	0
18/11/2022 21:30	6.5	255	12	8.5	0
18/11/2022 21:40	7.1	259	13	10.7	0
18/11/2022 21:50	7.3	259	10	9.8	0
18/11/2022 22:00	6.1	253	11	8.3	0
18/11/2022 22:10	6.9	257	10	9.7	0
18/11/2022 22:20	6.7	255	10	9.3	0
18/11/2022 22:30	6.5	255	12	8.3	0
18/11/2022 22:40	6.5	255	12	9.1	0
18/11/2022 22:50	6.3	255	11	7.7	0
18/11/2022 23:00	5.8	256	11	7.9	0
18/11/2022 23:10	5.6	255	11	7.9	0
18/11/2022 23:20	5.2	256	11	7.2	0
18/11/2022 23:30	4.5	254	13	6.4	0
18/11/2022 23:40	4.3	253	12	5.9	0
18/11/2022 23:50	3.9	255	12	5.4	0
19/11/2022 00:00	3.8	250	11	5.5	0
19/11/2022 00:10	3.4	251	12	5.2	0
19/11/2022 00:20	3.2	254	10	4.4	0
19/11/2022 00:30	3.3	250	11	4.4	0
19/11/2022 00:40	3.5	249	12	5	0
19/11/2022 00:50	2.9	256	10	4.1	0
19/11/2022 01:00	2.7	252	11	3.6	0
19/11/2022 01:10	2.5	251	12	3.5	0
19/11/2022 01:20	2.6	251	13	3.7	0
19/11/2022 01:30	2.6	253	10	3.5	0
19/11/2022 01:40	3.3	255	11	4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/11/2022 01:50	2.9	255	13	3.8	0
19/11/2022 02:00	3	257	10	3.9	0
19/11/2022 02:10	3	255	12	3.9	0
19/11/2022 02:20	3	249	13	4.4	0
19/11/2022 02:30	2.8	244	11	4.1	0
19/11/2022 02:40	2.2	246	12	3.2	0
19/11/2022 02:50	0.9	227	14	1.6	0
19/11/2022 03:00	0.9	255	12	1.6	0
19/11/2022 03:10	1.7	255	12	2.4	0
19/11/2022 03:20	1.9	251	13	2.8	0
19/11/2022 03:30	2.4	257	10	3.2	0
19/11/2022 03:40	2.8	261	9	3.7	0
19/11/2022 03:50	2.3	257	10	3.1	0
19/11/2022 04:00	2.3	258	9	2.9	0
19/11/2022 04:10	2.1	258	12	2.6	0
19/11/2022 04:20	2	260	9	2.6	0
19/11/2022 04:30	2.2	265	9	2.9	0
19/11/2022 04:40	2.1	259	11	3	0
19/11/2022 04:50	1.5	251	12	2.1	0
19/11/2022 05:00	1.7	257	10	2.2	0
19/11/2022 05:10	2.1	261	8	2.8	0
19/11/2022 05:20	2.2	259	10	2.7	0
19/11/2022 05:30	2.1	250	12	2.8	0
19/11/2022 05:40	1.8	250	13	2.7	0
19/11/2022 05:50	1.9	255	11	2.7	0
19/11/2022 06:00	1.8	254	11	2.5	0
19/11/2022 06:10	2.1	262	13	2.8	0
19/11/2022 06:20	1.8	248	18	2.7	0
19/11/2022 06:30	1.7	240	18	2.4	0
19/11/2022 06:40	1.8	220	21	2.4	0
19/11/2022 06:50	1.5	211	75	2.8	0
19/11/2022 07:00	1.4	186	87	2.6	0
19/11/2022 07:10	2	130	56	4.3	0
19/11/2022 07:20	3	139	43	5.3	0
19/11/2022 07:30	2.8	138	46	4.7	0
19/11/2022 07:40	3	138	46	4.7	0
19/11/2022 07:50	2.7	128	63	5.4	0
19/11/2022 08:00	3.4	133	44	5.6	0
19/11/2022 08:10	2.9	140	40	4.1	0
19/11/2022 08:20	3.7	137	27	5.7	0
19/11/2022 08:30	4.1	130	15	6	0
19/11/2022 08:40	3.9	128	16	5.8	0
19/11/2022 08:50	4.1	124	16	6.1	0
19/11/2022 09:00	3.7	129	18	5.2	0
19/11/2022 09:10	4	134	21	5.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/11/2022 09:20	3.3	126	17	5.6	0
19/11/2022 09:30	3.7	129	19	5.6	0
19/11/2022 09:40	4.3	115	19	6.3	0
19/11/2022 09:50	4.3	111	19	6.2	0
19/11/2022 10:00	3.6	121	22	5.9	0
19/11/2022 10:10	4	133	15	5.6	0
19/11/2022 10:20	3.6	119	19	5.1	0
19/11/2022 10:30	4.1	106	17	6.4	0
19/11/2022 10:40	4.1	100	17	6.2	0
19/11/2022 10:50	4	98	15	6	0
19/11/2022 11:00	3.6	106	19	5.6	0
19/11/2022 11:10	3.5	98	21	4.9	0
19/11/2022 11:20	3.6	100	18	5.2	0
19/11/2022 11:30	3.1	78	20	5.3	0
19/11/2022 11:40	3	82	25	5.9	0
19/11/2022 11:50	2.9	65	21	4.5	0
19/11/2022 12:00	3.3	70	17	4.9	0
19/11/2022 12:10	3.3	59	28	6	0
19/11/2022 12:20	3.1	197	31	5.6	0
19/11/2022 12:30	3.8	4	23	5.5	0
19/11/2022 12:40	3.7	355	23	5.8	0
19/11/2022 12:50	4.7	321	19	7.9	0
19/11/2022 13:00	6.6	304	11	9	0
19/11/2022 13:10	6.2	301	10	8.2	0
19/11/2022 13:20	6.6	298	9	7.7	0
19/11/2022 13:30	6.2	300	10	7.6	0
19/11/2022 13:40	6.1	296	12	7.5	0
19/11/2022 13:50	5.9	292	13	7.4	0
19/11/2022 14:00	5.6	294	13	7.2	0
19/11/2022 14:10	5.3	287	14	7	0
19/11/2022 14:20	5.4	295	15	7	0
19/11/2022 14:30	5.5	295	9	7.2	0
19/11/2022 14:40	5.2	271	17	7.5	0
19/11/2022 14:50	5.1	283	16	6.9	0
19/11/2022 15:00	4.8	298	14	6.6	0
19/11/2022 15:10	5	290	15	6.8	0
19/11/2022 15:20	5.4	290	13	7.2	0
19/11/2022 15:30	5.2	289	14	6.7	0
19/11/2022 15:40	4.7	281	17	6.6	0
19/11/2022 15:50	5.2	287	15	6.8	0
19/11/2022 16:00	4.8	276	19	6.8	0
19/11/2022 16:10	4.9	262	14	6.8	0
19/11/2022 16:20	5.5	267	13	7.2	0
19/11/2022 16:30	5.6	265	12	7	0
19/11/2022 16:40	5.5	259	12	7.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/11/2022 16:50	5.4	255	11	6.8	0
19/11/2022 17:00	5.7	260	11	7.4	0
19/11/2022 17:10	5.7	260	11	7.4	0
19/11/2022 17:20	5.3	258	11	6.6	0
19/11/2022 17:30	4.9	257	13	6.9	0
19/11/2022 17:40	5.2	259	11	6.6	0
19/11/2022 17:50	5.2	261	11	7.2	0
19/11/2022 18:00	5.4	261	9	7	0
19/11/2022 18:10	4.6	262	10	6.7	0
19/11/2022 18:20	3.9	258	12	6	0
19/11/2022 18:30	4.5	263	10	6.2	0
19/11/2022 18:40	5	259	11	6.4	0
19/11/2022 18:50	4.6	265	11	6.3	0
19/11/2022 19:00	4.8	261	12	6.7	0
19/11/2022 19:10	5.7	261	10	7.1	0
19/11/2022 19:20	5.5	263	11	7.6	0
19/11/2022 19:30	4.5	263	11	6.1	0
19/11/2022 19:40	5.2	260	10	6.9	0
19/11/2022 19:50	5.1	259	13	7	0
19/11/2022 20:00	5.2	260	11	6.9	0
19/11/2022 20:10	5.2	261	10	7.1	0
19/11/2022 20:20	5.4	261	11	7.4	0
19/11/2022 20:30	5.3	258	10	7.1	0
19/11/2022 20:40	4.9	259	10	6.9	0
19/11/2022 20:50	5.4	256	10	7.2	0
19/11/2022 21:00	5	258	10	6.4	0
19/11/2022 21:10	4.8	259	12	6.4	0
19/11/2022 21:20	4.6	253	12	6.4	0
19/11/2022 21:30	4.7	254	11	6.6	0
19/11/2022 21:40	4.2	259	9	6.6	0
19/11/2022 21:50	3.9	259	12	5.5	0
19/11/2022 22:00	4.2	264	9	5.9	0
19/11/2022 22:10	3.7	267	13	5	0
19/11/2022 22:20	3.7	261	11	5.3	0
19/11/2022 22:30	3.9	264	10	5.2	0
19/11/2022 22:40	4.2	263	9	6	0
19/11/2022 22:50	4.2	262	10	5.5	0
19/11/2022 23:00	3.7	265	11	5.1	0
19/11/2022 23:10	3.8	263	11	4.8	0
19/11/2022 23:20	3.8	264	9	5	0
19/11/2022 23:30	4.1	261	8	5.5	0
19/11/2022 23:40	3.4	268	12	4.4	0
19/11/2022 23:50	3.9	262	7	5.1	0
20/11/2022 00:00	3.7	261	11	4.9	0
20/11/2022 00:10	4.1	265	9	5.1	0



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/11/2022 00:20	3.9	262	9	5.1	0
20/11/2022 00:30	4	262	9	5.2	0
20/11/2022 00:40	3.8	259	10	4.8	0
20/11/2022 00:50	4.3	260	10	6	0
20/11/2022 01:00	3.7	258	10	4.8	0
20/11/2022 01:10	4.1	255	11	5.6	0
20/11/2022 01:20	4	258	11	5.2	0
20/11/2022 01:30	4.3	256	10	5.8	0
20/11/2022 01:40	4	255	11	5.2	0
20/11/2022 01:50	3.8	256	10	5.2	0
20/11/2022 02:00	3.9	256	11	5.3	0
20/11/2022 02:10	4	255	11	5.2	0
20/11/2022 02:20	3.8	257	12	5.1	0
20/11/2022 02:30	4.4	252	10	6	0
20/11/2022 02:40	4.4	255	10	5.8	0
20/11/2022 02:50	3.9	253	11	5.2	0
20/11/2022 03:00	3.2	243	14	4.6	0
20/11/2022 03:10	3	240	12	4.1	0
20/11/2022 03:20	2.8	244	12	4.2	0
20/11/2022 03:30	2.4	254	11	3.3	0
20/11/2022 03:40	2.7	253	13	3.6	0
20/11/2022 03:50	2.5	253	12	3.1	0
20/11/2022 04:00	2	247	11	2.8	0
20/11/2022 04:10	1.4	246	13	1.9	0
20/11/2022 04:20	0.5	255	26	1.2	0
20/11/2022 04:30					0
20/11/2022 04:40	0.9	95	7	1.4	0
20/11/2022 04:50	0.8	121	11	1.3	0
20/11/2022 05:00	0.9	193	36	1.6	0
20/11/2022 05:10	1.3	93	19	1.8	0
20/11/2022 05:20	1.4	139	17	2	0
20/11/2022 05:30	1.8	117	13	2.6	0
20/11/2022 05:40	2.1	93	12	3	0
20/11/2022 05:50	2.9	84	9	3.9	0
20/11/2022 06:00	2.3	91	12	3.2	0
20/11/2022 06:10	2.6	83	10	3.8	0
20/11/2022 06:20	2.3	71	13	3.4	0
20/11/2022 06:30	3.2	58	14	4.8	0
20/11/2022 06:40	3.6	67	10	5.2	0
20/11/2022 06:50	3.8	73	10	4.9	0
20/11/2022 07:00	3.2	73	12	4.1	0
20/11/2022 07:10	3.5	71	13	4.7	0
20/11/2022 07:20	3.9	68	10	5.8	0
20/11/2022 07:30	4.1	66	12	6.4	0
20/11/2022 07:40	4.6	82	10	6.4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/11/2022 07:50	3.9	86	11	5.5	0
20/11/2022 08:00	4.2	87	10	5.3	0
20/11/2022 08:10	4.9	97	10	6.1	0
20/11/2022 08:20	5.2	97	10	6.9	0
20/11/2022 08:30	5	96	13	6.8	0
20/11/2022 08:40	5.2	89	11	7.6	0
20/11/2022 08:50	4.1	88	12	6.4	0
20/11/2022 09:00	5.2	86	11	6.7	0
20/11/2022 09:10	4.5	90	12	5.9	0
20/11/2022 09:20	4.3	94	12	5.9	0
20/11/2022 09:30	4.9	107	13	6.3	0
20/11/2022 09:40	4.8	107	13	6.4	0
20/11/2022 09:50	4.7	107	14	6.8	0
20/11/2022 10:00	4.6	104	13	6.4	0
20/11/2022 10:10	4.4	104	14	6	0
20/11/2022 10:20	5	99	11	6.8	0
20/11/2022 10:30	4.5	105	12	6.3	0
20/11/2022 10:40	4.7	100	13	6.4	0
20/11/2022 10:50	4.9	105	11	6.4	0
20/11/2022 11:00	4.2	107	12	5.6	0
20/11/2022 11:10	4.7	97	11	6.4	0
20/11/2022 11:20	4.5	95	12	5.9	0
20/11/2022 11:30	4.7	94	12	6.2	0
20/11/2022 11:40	5.3	89	12	6.9	0
20/11/2022 11:50	5.5	89	12	7.2	0
20/11/2022 12:00	6	91	13	7.8	0
20/11/2022 12:10	6.4	81	10	8.2	0
20/11/2022 12:20	6.7	81	9	9.1	0
20/11/2022 12:30	6.8	81	12	9.5	0
20/11/2022 12:40	7.4	80	10	9.4	0
20/11/2022 12:50	6.7	80	11	8.8	0
20/11/2022 13:00	7.2	79	10	9.2	0
20/11/2022 13:10	6.8	81	11	8.9	0
20/11/2022 13:20	6.1	79	13	8.4	0
20/11/2022 13:30	6.3	84	11	8.3	0
20/11/2022 13:40	5.9	85	12	8.2	0
20/11/2022 13:50	6	86	11	8.3	0
20/11/2022 14:00	5.2	89	13	7	0
20/11/2022 14:10	4.9	94	12	6.4	0
20/11/2022 14:20	5.1	91	12	6.9	0
20/11/2022 14:30	4.7	91	14	6.2	0
20/11/2022 14:40	4	107	18	5.8	0
20/11/2022 14:50	3.2	101	18	4.9	0
20/11/2022 15:00	2.8	91	22	3.7	0
20/11/2022 15:10	3.3	84	17	4.8	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/11/2022 15:20	3.6	73	18	5	0
20/11/2022 15:30	3.9	65	12	5	0
20/11/2022 15:40	3.8	59	14	5.2	0
20/11/2022 15:50	3.7	65	12	5.5	0
20/11/2022 16:00	3.5	76	11	5.1	0
20/11/2022 16:10	4	85	14	5.6	0
20/11/2022 16:20	3.8	75	11	4.9	0
20/11/2022 16:30	3.9	70	12	4.9	0
20/11/2022 16:40	3.6	60	12	4.6	0
20/11/2022 16:50	4.1	72	10	5.4	0
20/11/2022 17:00	4.6	74	11	6	0
20/11/2022 17:10	5.1	74	10	6.4	0
20/11/2022 17:20	4.5	76	11	5.9	0
20/11/2022 17:30	4.4	73	9	5.8	0
20/11/2022 17:40	4.2	73	11	5.9	0
20/11/2022 17:50	4.1	72	11	5.5	0
20/11/2022 18:00	3.9	72	10	5.3	0
20/11/2022 18:10	3.6	81	10	4.6	0
20/11/2022 18:20	3.2	76	10	4.1	0
20/11/2022 18:30	3.2	75	10	4.3	0
20/11/2022 18:40	3.1	74	12	4.3	0
20/11/2022 18:50	3.2	71	10	4.6	0
20/11/2022 19:00	3.5	63	11	4.8	0
20/11/2022 19:10	3.4	63	10	4.4	0
20/11/2022 19:20	3.5	67	8	4.9	0
20/11/2022 19:30	3.6	60	11	4.5	0
20/11/2022 19:40	3.7	67	10	5	0
20/11/2022 19:50	3.9	71	10	5.7	0
20/11/2022 20:00	3.8	67	11	5.3	0
20/11/2022 20:10	4.2	70	9	5.6	0
20/11/2022 20:20	3.8	76	10	5	0
20/11/2022 20:30	4.1	76	10	5.2	0
20/11/2022 20:40	3.6	82	10	4.8	0
20/11/2022 20:50	3.8	81	11	5.1	0
20/11/2022 21:00	3.4	82	10	4.5	0
20/11/2022 21:10	3.2	92	10	4.3	0
20/11/2022 21:20	2.7	94	10	3.5	0
20/11/2022 21:30	3.1	85	9	4.2	0
20/11/2022 21:40	3.3	80	9	4.2	0
20/11/2022 21:50	3.1	87	8	4	0
20/11/2022 22:00	2.9	86	8	3.8	0
20/11/2022 22:10	3	90	9	4	0
20/11/2022 22:20	3.2	86	9	4.1	0
20/11/2022 22:30	3.7	84	9	5.2	0
20/11/2022 22:40	3.5	89	9	4.9	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/11/2022 22:50	3.6	88	11	4.7	0
20/11/2022 23:00	3.9	88	9	5.1	0
20/11/2022 23:10	3.5	84	10	4.7	0
20/11/2022 23:20	3	88	10	4	0
20/11/2022 23:30	3	89	12	4.1	0
20/11/2022 23:40	2.7	92	11	3.6	0
20/11/2022 23:50	2.4	106	12	3.3	0
21/11/2022 00:00	3	91	10	4	0
21/11/2022 00:10	3.1	91	9	4.1	0
21/11/2022 00:20	3.1	90	9	4.1	0
21/11/2022 00:30	2.9	90	9	4	0
21/11/2022 00:40	2.7	90	9	3.8	0
21/11/2022 00:50	2.6	85	9	3.2	0
21/11/2022 01:00	3	84	10	4.2	0
21/11/2022 01:10	3	93	10	3.6	0
21/11/2022 01:20	2.6	91	9	3.5	0
21/11/2022 01:30	2.3	96	10	3.1	0
21/11/2022 01:40	2.1	93	10	2.8	0
21/11/2022 01:50	1.3	110	17	1.6	0
21/11/2022 02:00	1.7	94	11	2.3	0
21/11/2022 02:10	1.9	112	16	2.8	0
21/11/2022 02:20	1	190	34	1.6	0
21/11/2022 02:30	1.4	297	18	2	0
21/11/2022 02:40	3.6	265	11	5.2	0
21/11/2022 02:50	2.6	243	27	3.7	0
21/11/2022 03:00	1.5	219	43	2.7	0
21/11/2022 03:10	2.3	277	12	3.4	0
21/11/2022 03:20	2.2	260	17	3.1	0
21/11/2022 03:30	1.9	246	14	2.6	0
21/11/2022 03:40	3	270	9	4.2	0
21/11/2022 03:50	1.7	260	17	2.4	0
21/11/2022 04:00	0.5	231	18	0.9	0
21/11/2022 04:10	0.8	165	25	1.4	0
21/11/2022 04:20	1.4	172	34	2.1	0
21/11/2022 04:30	1.7	232	18	2.4	0
21/11/2022 04:40	1	231	28	1.6	0
21/11/2022 04:50	0.9	245	19	2	0
21/11/2022 05:00	1.5	229	33	2	0
21/11/2022 05:10	0.9	109	31	1.6	0
21/11/2022 05:20	0.3	190	22	1.2	0
21/11/2022 05:30	1.3	106	11	1.7	0
21/11/2022 05:40	1.6	115	8	2.2	0
21/11/2022 05:50	1.9	113	9	2.7	0
21/11/2022 06:00	3.1	104	11	4.6	0
21/11/2022 06:10	3.4	99	13	4.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/11/2022 06:20	3.1	84	11	4.1	0
21/11/2022 06:30	2.9	91	11	3.8	0
21/11/2022 06:40	3	91	10	4.2	0
21/11/2022 06:50	2.5	90	10	3.6	0
21/11/2022 07:00	3.3	91	9	4.4	0
21/11/2022 07:10	3.2	90	9	4.4	0
21/11/2022 07:20	3.4	85	10	4.8	0
21/11/2022 07:30	3.8	84	11	5.5	0
21/11/2022 07:40	4.4	87	11	5.7	0
21/11/2022 07:50	4.2	93	12	5.6	0
21/11/2022 08:00	4	94	13	5.7	0
21/11/2022 08:10	4	98	12	5.8	0
21/11/2022 08:20	4.1	99	15	5.6	0
21/11/2022 08:30	3.5	102	13	5	0
21/11/2022 08:40	3.2	91	12	4.8	0
21/11/2022 08:50	3.9	97	15	5.5	0
21/11/2022 09:00	4.7	90	15	7.5	0
21/11/2022 09:10	4.2	91	16	6.1	0
21/11/2022 09:20	4.2	89	14	6.2	0
21/11/2022 09:30	4.5	84	12	6.5	0
21/11/2022 09:40	4.8	84	13	7.2	0
21/11/2022 09:50	4.8	86	13	7	0
21/11/2022 10:00	5.1	86	13	7.2	0
21/11/2022 10:10	5.5	86	12	9.1	0
21/11/2022 10:20	4.3	86	16	6.8	0
21/11/2022 10:30	4.6	94	14	6.8	0
21/11/2022 10:40	4.4	85	12	5.9	0
21/11/2022 10:50	4.8	90	12	6.3	0
21/11/2022 11:00	5.4	83	12	8.2	0.1
21/11/2022 11:10	5.9	84	10	7.9	0.1
21/11/2022 11:20	5.7	80	12	8.1	0
21/11/2022 11:30	4.9	84	13	7.2	0
21/11/2022 11:40	5.3	87	14	7.6	0.1
21/11/2022 11:50	5.5	87	15	7.5	0
21/11/2022 12:00	5.4	94	13	7.3	0
21/11/2022 12:10	5.2	83	13	7.5	0
21/11/2022 12:20	5	79	14	7.5	0
21/11/2022 12:30	5.9	83	12	8.1	0
21/11/2022 12:40	5.7	81	11	7.9	0
21/11/2022 12:50	5.6	81	11	7.9	0
21/11/2022 13:00	5.4	86	11	8.2	0
21/11/2022 13:10	5.7	83	12	7.9	0
21/11/2022 13:20	6	79	11	8.6	0
21/11/2022 13:30	6.5	83	13	8.5	0
21/11/2022 13:40	5.6	83	11	7.8	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/11/2022 13:50	6.2	91	12	7.9	0
21/11/2022 14:00	6	90	12	7.6	0
21/11/2022 14:10	6	85	11	8.3	0
21/11/2022 14:20	5.3	80	10	7.6	0
21/11/2022 14:30	5.9	81	11	7.9	0
21/11/2022 14:40	5.3	84	12	6.8	0
21/11/2022 14:50	5	86	10	6.8	0
21/11/2022 15:00	4.6	88	9	6.5	0
21/11/2022 15:10	4.7	91	13	6.8	0
21/11/2022 15:20	4.1	100	13	5.7	0
21/11/2022 15:30	5.5	108	10	8.1	0
21/11/2022 15:40	6	103	12	8.4	0
21/11/2022 15:50	5	84	13	6.9	0
21/11/2022 16:00	4.3	84	15	5.9	0
21/11/2022 16:10	4.4	94	17	6	0
21/11/2022 16:20	5.4	105	10	6.8	0
21/11/2022 16:30	4.9	102	11	6.7	0
21/11/2022 16:40	4.9	100	12	6.9	0
21/11/2022 16:50	4.7	105	10	6.2	0
21/11/2022 17:00	4.7	93	12	6	0
21/11/2022 17:10	5.1	80	13	6.8	0
21/11/2022 17:20	5.2	76	13	7.2	0
21/11/2022 17:30	4.9	74	11	6	0
21/11/2022 17:40	4.3	66	13	6.2	0
21/11/2022 17:50	4.4	69	11	6	0
21/11/2022 18:00	4.6	73	11	6.4	0
21/11/2022 18:10	4.9	78	9	6.9	0
21/11/2022 18:20	5	87	11	7	0
21/11/2022 18:30	5	93	11	6.8	0
21/11/2022 18:40	4.4	91	11	6.3	0
21/11/2022 18:50	4.6	87	11	6.4	0
21/11/2022 19:00	4.1	91	13	6	0
21/11/2022 19:10	3.7	91	10	4.9	0
21/11/2022 19:20	3.5	97	10	4.9	0
21/11/2022 19:30	3.6	101	12	4.8	0
21/11/2022 19:40	4	102	11	5.5	0
21/11/2022 19:50	3.8	101	13	5.2	0
21/11/2022 20:00	3.4	95	11	4.5	0
21/11/2022 20:10	3.3	91	12	4.3	0
21/11/2022 20:20	4.4	94	10	6.4	0
21/11/2022 20:30	5	90	11	6.3	0
21/11/2022 20:40	4.9	88	10	6.7	0
21/11/2022 20:50	4.8	82	10	6.3	0
21/11/2022 21:00	5.2	81	11	6.9	0
21/11/2022 21:10	4.9	81	10	7.1	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/11/2022 21:20	5.1	83	11	6.9	0
21/11/2022 21:30	5.1	79	9	6.9	0
21/11/2022 21:40	5	78	11	7.5	0
21/11/2022 21:50	5.6	79	10	7.5	0
21/11/2022 22:00	5.9	81	11	7.7	0
21/11/2022 22:10	6	82	11	8.4	0
21/11/2022 22:20	6	81	11	8	0
21/11/2022 22:30	6.1	85	10	8.5	0
21/11/2022 22:40	6.1	85	10	9	0
21/11/2022 22:50	6	80	10	8.3	0
21/11/2022 23:00	6.7	81	9	8.8	0
21/11/2022 23:10	6	81	10	7.7	0
21/11/2022 23:20	6.2	84	11	8	0
21/11/2022 23:30	5	87	11	7	0
21/11/2022 23:40	5.7	88	10	7.7	0
21/11/2022 23:50	5.3	89	12	7.2	0
22/11/2022 00:00	4.9	90	13	7.2	0
22/11/2022 00:10	5.5	87	10	7.5	0
22/11/2022 00:20	5.9	87	12	8	0
22/11/2022 00:30	6.1	88	11	7.9	0
22/11/2022 00:40	5.2	88	11	7.1	0
22/11/2022 00:50	4.7	91	10	6.6	0
22/11/2022 01:00	4.6	92	12	6.9	0
22/11/2022 01:10	4.3	92	12	6	0
22/11/2022 01:20	4.3	93	10	5.9	0
22/11/2022 01:30	4.4	93	11	5.9	0
22/11/2022 01:40	4.1	89	11	5.6	0
22/11/2022 01:50	4.2	90	11	5.6	0
22/11/2022 02:00	4.4	91	11	6	0
22/11/2022 02:10	4.4	96	12	6.4	0
22/11/2022 02:20	4.2	97	12	6	0
22/11/2022 02:30	4.5	97	11	5.8	0
22/11/2022 02:40	4.7	103	11	6.2	0
22/11/2022 02:50	4.4	99	11	6.2	0
22/11/2022 03:00	4.1	101	9	5.9	0
22/11/2022 03:10	4.5	104	10	5.9	0
22/11/2022 03:20	4.9	106	11	6.9	0
22/11/2022 03:30	5.2	101	9	7.1	0
22/11/2022 03:40	4.8	102	11	6.5	0
22/11/2022 03:50	4.9	104	11	6.4	0
22/11/2022 04:00	4.9	105	9	6.9	0
22/11/2022 04:10	4.3	99	12	6	0
22/11/2022 04:20	4.9	100	10	7.5	0
22/11/2022 04:30	5	93	12	7.3	0
22/11/2022 04:40	4.6	101	10	6.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/11/2022 04:50	5.6	104	10	8.6	0
22/11/2022 05:00	5.9	104	10	8.4	0
22/11/2022 05:10	5.5	101	12	8	0
22/11/2022 05:20	5.5	104	10	7.7	0
22/11/2022 05:30	5.2	108	11	7.4	0
22/11/2022 05:40	5.4	105	10	7.5	0
22/11/2022 05:50	5.9	105	11	8	0
22/11/2022 06:00	5.7	104	9	7.2	0
22/11/2022 06:10	5.3	107	11	7.6	0
22/11/2022 06:20	5.3	110	13	7.5	0
22/11/2022 06:30	5.2	111	12	7.3	0
22/11/2022 06:40	4.9	110	12	6.7	0
22/11/2022 06:50	5.7	106	13	8.6	0
22/11/2022 07:00	5.4	112	12	8.2	0
22/11/2022 07:10	6	106	10	8.7	0
22/11/2022 07:20	6.6	106	12	9.1	0
22/11/2022 07:30	6.6	117	13	9.5	0
22/11/2022 07:40	6.8	114	12	9.3	0
22/11/2022 07:50	6.8	114	12	9.1	0
22/11/2022 08:00	6.3	112	12	9.6	0
22/11/2022 08:10	6.9	116	11	8.9	0
22/11/2022 08:20	6.5	108	14	9.7	0
22/11/2022 08:30	7	104	12	9.4	0
22/11/2022 08:40	7	106	11	9.2	0
22/11/2022 08:50	6.8	104	11	8.7	0
22/11/2022 09:00	6.7	103	12	8.8	0
22/11/2022 09:10	6.5	104	12	8.9	0
22/11/2022 09:20	6.6	99	12	9.2	0
22/11/2022 09:30	5.9	98	15	8.3	0
22/11/2022 09:40	6.7	99	14	8.7	0
22/11/2022 09:50	6.2	89	11	8.3	0
22/11/2022 10:00	6.1	90	12	8.8	0
22/11/2022 10:10	6.1	93	13	9.1	0
22/11/2022 10:20	5.7	90	11	8.2	0
22/11/2022 10:30	7.1	77	9	9.2	0
22/11/2022 10:40	7.1	85	13	9.4	0
22/11/2022 10:50	6.7	85	12	9.1	0
22/11/2022 11:00	6.5	81	12	8.8	0
22/11/2022 11:10	7.2	71	12	9.3	0
22/11/2022 11:20	6.7	72	12	8.9	0
22/11/2022 11:30	7.1	76	12	9.3	0
22/11/2022 11:40	6.3	79	13	8.4	0
22/11/2022 11:50	7	75	13	9.8	0
22/11/2022 12:00	6.7	68	14	9.3	0
22/11/2022 12:10	6.5	65	14	8.5	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/11/2022 12:20	6.9	65	13	9.1	0
22/11/2022 12:30	6.9	60	12	8.8	0
22/11/2022 12:40	7.2	63	13	9.4	0
22/11/2022 12:50	6.7	70	13	9.2	0
22/11/2022 13:00	7.3	66	12	9.6	0
22/11/2022 13:10	7.4	62	13	9.9	0
22/11/2022 13:20	7.1	61	11	9.5	0
22/11/2022 13:30	7.4	63	11	9.5	0
22/11/2022 13:40	6.6	67	13	8.8	0
22/11/2022 13:50	6.2	61	13	8.3	0
22/11/2022 14:00	6.2	62	15	8.5	0
22/11/2022 14:10	5.8	56	12	7.5	0
22/11/2022 14:20	5.6	56	15	8	0
22/11/2022 14:30	6.3	62	11	8.4	0
22/11/2022 14:40	6.8	69	14	8.7	0
22/11/2022 14:50	6.4	53	16	8.7	0
22/11/2022 15:00	6.2	47	14	8.5	0
22/11/2022 15:10	5.2	33	15	8.3	0
22/11/2022 15:20	5.3	32	18	7.6	0
22/11/2022 15:30	5.4	39	16	7.3	0
22/11/2022 15:40	5.4	30	20	8.1	0
22/11/2022 15:50	5.7	38	15	8.1	0
22/11/2022 16:00	6	41	13	8	0
22/11/2022 16:10	4.7	30	19	7.8	0
22/11/2022 16:20	4.5	19	20	6.8	0
22/11/2022 16:30	4.7	183	20	7.2	0
22/11/2022 16:40	4.4	354	17	6.5	0
22/11/2022 16:50	4.8	345	17	7.2	0
22/11/2022 17:00	3.9	2	19	5.9	0
22/11/2022 17:10	4.1	176	20	6.4	0
22/11/2022 17:20	3.8	7	18	5.8	0
22/11/2022 17:30	3.8	6	19	5.6	0
22/11/2022 17:40	3.7	11	18	5.5	0
22/11/2022 17:50	4	11	15	6	0
22/11/2022 18:00	3.9	11	15	5.3	0
22/11/2022 18:10	3.7	9	16	5.2	0
22/11/2022 18:20	3.4	11	18	4.6	0
22/11/2022 18:30	3.1	6	18	4.4	0
22/11/2022 18:40	3.1	356	19	4.5	0
22/11/2022 18:50	3.2	352	18	4.8	0
22/11/2022 19:00	2.9	352	18	4	0
22/11/2022 19:10	3.5	2	17	5	0
22/11/2022 19:20	3.4	10	17	4.9	0
22/11/2022 19:30	3.2	12	16	4.8	0
22/11/2022 19:40	2.7	180	21	4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/11/2022 19:50	2.7	8	24	4.1	0
22/11/2022 20:00	3.1	347	21	4.6	0
22/11/2022 20:10	3.2	336	19	5	0
22/11/2022 20:20	3.7	327	14	5.7	0
22/11/2022 20:30	3.3	332	24	4.9	0
22/11/2022 20:40	2.5	315	34	5.2	0
22/11/2022 20:50	1.3	276	35	2.7	0
22/11/2022 21:00	0.7	161	57	1.9	0
22/11/2022 21:10	0.5	129	19	1	0
22/11/2022 21:20	0.8	174	39	1.4	0
22/11/2022 21:30	0.9	216	30	1.6	0
22/11/2022 21:40	1.3	221	17	1.9	0
22/11/2022 21:50	1.7	226	16	2.4	0
22/11/2022 22:00	1	182	26	1.7	0
22/11/2022 22:10	0.6	122	40	1.1	0
22/11/2022 22:20	0.9	122	17	1.3	0
22/11/2022 22:30	0.4	152	23	1	0
22/11/2022 22:40	0.5	204	53	1	0
22/11/2022 22:50	0.3	162	14	0.7	0
22/11/2022 23:00	0.4	132	12	0.8	0
22/11/2022 23:10	0.7	173	38	1.4	0
22/11/2022 23:20	1.4	138	20	2.3	0
22/11/2022 23:30	0.9	145	36	1.6	0
22/11/2022 23:40	0.8	126	58	1.4	0
22/11/2022 23:50	1.4	219	38	2.2	0
23/11/2022 00:00	0.9	57	77	1.3	0
23/11/2022 00:10	0.9	219	58	1.3	0
23/11/2022 00:20	1.1	228	44	1.6	0
23/11/2022 00:30	1.8	216	20	2.5	0
23/11/2022 00:40	0.9	211	65	1.7	0
23/11/2022 00:50	0.7	193	49	1.3	0
23/11/2022 01:00	1.3	220	38	2	0
23/11/2022 01:10	1.1	162	31	1.9	0
23/11/2022 01:20	0.8	222	28	1.4	0
23/11/2022 01:30	0.9	140	38	1.4	0
23/11/2022 01:40	0.9	136	33	1.4	0
23/11/2022 01:50	0.7	173	63	1.3	0
23/11/2022 02:00	0.9	172	48	1.6	0
23/11/2022 02:10	1.3	134	44	2	0
23/11/2022 02:20	1.7	129	26	2.7	0
23/11/2022 02:30	1.7	129	23	2.4	0
23/11/2022 02:40	1.7	128	19	2.3	0
23/11/2022 02:50	2	109	10	2.8	0
23/11/2022 03:00	2.3	119	13	3.3	0
23/11/2022 03:10	2.3	113	13	3.5	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/11/2022 03:20	2.3	93	12	3.4	0
23/11/2022 03:30	2.4	90	10	3.4	0
23/11/2022 03:40	2.9	99	10	3.9	0
23/11/2022 03:50	3	93	11	4	0
23/11/2022 04:00	2.9	87	10	4	0
23/11/2022 04:10	3	78	9	4.2	0
23/11/2022 04:20	2.8	77	12	4	0
23/11/2022 04:30	3	83	10	4	0
23/11/2022 04:40	3.1	80	10	4.4	0
23/11/2022 04:50	3.1	74	10	4.2	0
23/11/2022 05:00	3.3	78	9	4.5	0
23/11/2022 05:10	3.8	71	10	5.2	0
23/11/2022 05:20	3.7	74	9	4.8	0
23/11/2022 05:30	3.8	77	9	5	0
23/11/2022 05:40	3.9	79	10	5.2	0
23/11/2022 05:50	3.5	81	10	5	0
23/11/2022 06:00	3.1	80	12	3.9	0
23/11/2022 06:10	3.5	79	9	4.5	0
23/11/2022 06:20	3.4	81	10	4.4	0
23/11/2022 06:30	3.4	84	11	4.7	0
23/11/2022 06:40	3.9	81	8	5.3	0
23/11/2022 06:50	4.4	94	11	5.6	0
23/11/2022 07:00	4.3	83	10	5.6	0
23/11/2022 07:10	4.8	86	12	6.4	0
23/11/2022 07:20	4.7	86	12	6.2	0
23/11/2022 07:30	4.2	97	15	5.5	0
23/11/2022 07:40	4.1	97	14	5.7	0
23/11/2022 07:50	4.5	87	11	6.4	0
23/11/2022 08:00	4.5	94	13	5.9	0
23/11/2022 08:10	4.1	98	13	5.8	0
23/11/2022 08:20	4.2	78	13	6.4	0
23/11/2022 08:30	4.1	87	15	5.5	0
23/11/2022 08:40	4.5	71	11	5.7	0
23/11/2022 08:50	4.5	75	12	6.4	0
23/11/2022 09:00	4.8	77	14	6.7	0
23/11/2022 09:10	4.8	81	16	6.4	0
23/11/2022 09:20	5.5	68	13	6.9	0
23/11/2022 09:30	4.7	75	13	6.4	0
23/11/2022 09:40	4.6	79	10	6.5	0
23/11/2022 09:50	4.3	75	13	6.1	0
23/11/2022 10:00	4.5	78	13	6.4	0
23/11/2022 10:10	4.8	85	11	5.9	0
23/11/2022 10:20	4.5	83	13	6.1	0
23/11/2022 10:30	4.3	74	18	6	0
23/11/2022 10:40	4.3	64	16	6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/11/2022 10:50	4	60	13	5.6	0
23/11/2022 11:00	4.1	57	14	5.9	0
23/11/2022 11:10	4.3	70	12	5.9	0
23/11/2022 11:20	4.2	66	13	5.7	0
23/11/2022 11:30	4.6	67	12	6.5	0
23/11/2022 11:40	5.1	75	13	6.8	0
23/11/2022 11:50	5.5	72	12	7.3	0
23/11/2022 12:00	5.9	70	13	7.4	0
23/11/2022 12:10	5.6	78	11	7.6	0
23/11/2022 12:20	5.5	74	13	7.1	0
23/11/2022 12:30	5	71	13	6.6	0
23/11/2022 12:40	5	79	11	6.8	0
23/11/2022 12:50	4.2	70	16	6.5	0
23/11/2022 13:00	4.3	46	23	6.8	0
23/11/2022 13:10	3.9	18	23	6.3	0
23/11/2022 13:20	4	356	22	5.9	0
23/11/2022 13:30	4.6	345	19	6.5	0
23/11/2022 13:40	4.4	354	19	6.2	0
23/11/2022 13:50	4.2	348	17	5.6	0
23/11/2022 14:00	4	177	22	5.5	0
23/11/2022 14:10	4.4	351	19	5.7	0
23/11/2022 14:20	4.2	174	20	5.5	0
23/11/2022 14:30	4.1	173	17	5.6	0
23/11/2022 14:40	4.2	1	20	6	0
23/11/2022 14:50	4	180	20	5.9	0
23/11/2022 15:00	3.8	183	24	6	0
23/11/2022 15:10	4.3	347	22	6.7	0
23/11/2022 15:20	4.8	352	18	7	0
23/11/2022 15:30	4	340	24	6.7	0
23/11/2022 15:40	5.5	300	13	7.6	0
23/11/2022 15:50	5.5	302	13	7.2	0
23/11/2022 16:00	5.5	305	15	7.6	0
23/11/2022 16:10	4.8	307	16	7.5	0
23/11/2022 16:20	4.4	323	18	6.6	0
23/11/2022 16:30	3.9	318	19	6.5	0
23/11/2022 16:40	4.2	308	19	6.4	0
23/11/2022 16:50	3.9	317	20	6.3	0
23/11/2022 17:00	4	307	17	5.8	0
23/11/2022 17:10	4.6	299	14	6.6	0
23/11/2022 17:20	4.8	293	13	6.8	0
23/11/2022 17:30	5.1	293	13	6.6	0
23/11/2022 17:40	4.6	294	12	6	0
23/11/2022 17:50	4.7	290	14	5.9	0
23/11/2022 18:00	4.9	295	11	6.1	0
23/11/2022 18:10	4.9	295	11	6.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/11/2022 18:20	5.1	293	13	7.2	0
23/11/2022 18:30	5.3	293	12	6.8	0
23/11/2022 18:40	4.5	297	14	5.8	0
23/11/2022 18:50	4.5	296	11	5.8	0
23/11/2022 19:00	4.9	296	9	6	0
23/11/2022 19:10	4.6	293	11	5.6	0
23/11/2022 19:20	4.4	298	9	5.5	0
23/11/2022 19:30	4.2	295	11	5.4	0
23/11/2022 19:40	4.8	295	12	5.9	0
23/11/2022 19:50	4.6	295	11	5.7	0
23/11/2022 20:00	4.6	292	10	5.9	0
23/11/2022 20:10	4	290	13	5.4	0
23/11/2022 20:20	3.8	293	14	5.1	0
23/11/2022 20:30	4.1	292	13	6	0
23/11/2022 20:40	4	278	12	5.2	0
23/11/2022 20:50	3.4	275	13	4.9	0
23/11/2022 21:00	3.4	271	13	4.6	0
23/11/2022 21:10	3.3	275	16	4.8	0
23/11/2022 21:20	3.3	264	12	4.4	0
23/11/2022 21:30	3.7	265	11	4.8	0
23/11/2022 21:40	3.6	262	11	4.8	0
23/11/2022 21:50	3.4	259	11	4.8	0
23/11/2022 22:00	3.5	260	9	4.4	0
23/11/2022 22:10	3.5	261	11	4.8	0
23/11/2022 22:20	3.9	263	9	5.2	0
23/11/2022 22:30	3.6	253	12	4.8	0
23/11/2022 22:40	3.6	254	12	4.8	0
23/11/2022 22:50	3.5	252	13	4.8	0
23/11/2022 23:00	3.7	252	12	4.9	0
23/11/2022 23:10	3.8	251	11	5.1	0
23/11/2022 23:20	4	255	11	5.4	0
23/11/2022 23:30	3.7	250	11	5	0
23/11/2022 23:40	3.9	253	9	5.2	0
23/11/2022 23:50	3.6	256	14	5.3	0
24/11/2022 00:00	3.8	249	12	5.1	0
24/11/2022 00:10	4	256	10	5.3	0
24/11/2022 00:20	3.7	255	11	5.2	0
24/11/2022 00:30	3.3	254	11	4.3	0
24/11/2022 00:40	3.4	251	10	5.1	0
24/11/2022 00:50	3.4	247	13	4.4	0
24/11/2022 01:00	3.4	253	11	4.4	0
24/11/2022 01:10	3	247	10	4.1	0
24/11/2022 01:20	2.8	251	12	3.7	0
24/11/2022 01:30	2.7	248	12	4	0
24/11/2022 01:40	2.5	242	11	3.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/11/2022 01:50	2.2	251	10	3.2	0
24/11/2022 02:00	2	252	11	3	0
24/11/2022 02:10	2.1	250	11	2.6	0
24/11/2022 02:20	1.8	250	12	2.4	0
24/11/2022 02:30	1.9	265	13	2.8	0
24/11/2022 02:40	2	264	11	2.8	0
24/11/2022 02:50	2.4	261	10	2.9	0
24/11/2022 03:00	2.4	265	12	3.3	0
24/11/2022 03:10	2.3	265	11	3.2	0
24/11/2022 03:20	2.3	268	12	3.1	0
24/11/2022 03:30	3	263	9	3.7	0
24/11/2022 03:40	3	264	10	3.7	0
24/11/2022 03:50	2.6	262	10	3.5	0
24/11/2022 04:00	2.7	262	8	3.6	0
24/11/2022 04:10	2.6	264	8	3.5	0
24/11/2022 04:20	1.7	263	11	2.4	0
24/11/2022 04:30	2.3	266	9	3	0
24/11/2022 04:40	2	255	10	2.8	0
24/11/2022 04:50	2.1	254	10	2.8	0
24/11/2022 05:00	1.7	264	8	2.2	0
24/11/2022 05:10	2	263	8	2.5	0
24/11/2022 05:20	2	265	8	2.5	0
24/11/2022 05:30	2.3	256	8	2.8	0
24/11/2022 05:40	1.8	252	10	2.4	0
24/11/2022 05:50	1.9	246	10	2.6	0
24/11/2022 06:00	1.6	232	14	2.3	0
24/11/2022 06:10	1.3	211	21	1.7	0
24/11/2022 06:20	0.6	203	42	1.2	0
24/11/2022 06:30	1	230	26	2	0
24/11/2022 06:40	0.5	208	23	1.4	0
24/11/2022 06:50	0.9	205	22	1.7	0
24/11/2022 07:00	1.8	280	19	2.2	0
24/11/2022 07:10	1.7	298	27	2.8	0
24/11/2022 07:20	1.8	295	15	2.5	0
24/11/2022 07:30	1.5	269	23	2.2	0
24/11/2022 07:40	1.3	260	40	2.3	0
24/11/2022 07:50	1	218	58	1.7	0
24/11/2022 08:00	1.9	301	21	2.8	0
24/11/2022 08:10	2	280	23	2.9	0
24/11/2022 08:20	2.1	282	20	3.4	0
24/11/2022 08:30	2.2	308	17	3.2	0
24/11/2022 08:40	2.3	310	27	3.1	0
24/11/2022 08:50	3	307	18	4	0
24/11/2022 09:00	2.3	327	23	3.6	0
24/11/2022 09:10	2.6	313	22	4.6	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/11/2022 09:20	3.3	297	16	4.8	0
24/11/2022 09:30	2.6	318	38	4.4	0
24/11/2022 09:40	2.3	339	29	3.4	0
24/11/2022 09:50	2.6	344	22	3.6	0
24/11/2022 10:00	2.6	340	20	3.7	0
24/11/2022 10:10	2.9	350	21	3.8	0
24/11/2022 10:20	2.9	354	20	4.2	0
24/11/2022 10:30	3.2	356	20	4.5	0
24/11/2022 10:40	3.1	183	21	4.4	0
24/11/2022 10:50	3.3	350	20	4.4	0
24/11/2022 11:00	3	180	23	4.3	0
24/11/2022 11:10	2.6	7	21	4	0
24/11/2022 11:20	2.6	342	22	4.2	0
24/11/2022 11:30	3	351	21	4.4	0
24/11/2022 11:40	3.6	351	19	5.2	0
24/11/2022 11:50	3.9	346	17	5.5	0
24/11/2022 12:00	3.8	351	24	6	0
24/11/2022 12:10	3.8	350	21	6.4	0
24/11/2022 12:20	4	350	23	6	0
24/11/2022 12:30	4.2	349	21	6.4	0
24/11/2022 12:40	4	354	18	5.7	0
24/11/2022 12:50	4.2	340	23	6.2	0
24/11/2022 13:00	4.2	339	14	6.1	0
24/11/2022 13:10	3.6	344	24	5.5	0
24/11/2022 13:20	4.1	344	25	6.1	0
24/11/2022 13:30	3.7	345	25	5.8	0
24/11/2022 13:40	3.7	344	18	5.6	0
24/11/2022 13:50	3.4	338	20	5.1	0
24/11/2022 14:00	3.3	334	23	4.9	0
24/11/2022 14:10	3.4	168	21	5.1	0
24/11/2022 14:20	3.3	343	26	4.7	0
24/11/2022 14:30	3.2	340	26	4.9	0
24/11/2022 14:40	4.1	180	17	5.6	0
24/11/2022 14:50	3.9	352	19	5.3	0
24/11/2022 15:00	4	345	22	5.5	0
24/11/2022 15:10	4.1	345	22	5.8	0
24/11/2022 15:20	4.4	341	21	6.2	0
24/11/2022 15:30	4	339	22	5.9	0
24/11/2022 15:40	4.6	331	16	6.1	0
24/11/2022 15:50	3.8	335	23	5.8	0
24/11/2022 16:00	4.2	340	22	6.4	0
24/11/2022 16:10	4.7	340	12	6.5	0
24/11/2022 16:20	5.2	348	18	7.3	0
24/11/2022 16:30	5.3	348	17	7.9	0
24/11/2022 16:40	5	353	19	7.5	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/11/2022 16:50	4.3	355	19	6.8	0
24/11/2022 17:00	4.6	354	17	6.8	0
24/11/2022 17:10	3.1	344	24	5.3	0
24/11/2022 17:20	4	310	17	6.4	0
24/11/2022 17:30	3.6	316	20	5.6	0
24/11/2022 17:40	4.1	313	16	6.3	0
24/11/2022 17:50	4.3	313	17	6.4	0
24/11/2022 18:00	4.1	310	14	6.1	0
24/11/2022 18:10	4.6	301	11	6.4	0
24/11/2022 18:20	4.9	305	11	6.3	0
24/11/2022 18:30	4.3	303	12	6	0
24/11/2022 18:40	4.5	302	15	6.3	0
24/11/2022 18:50	4.9	300	10	6	0
24/11/2022 19:00	4.9	301	10	6.4	0
24/11/2022 19:10	4.5	298	11	6.2	0
24/11/2022 19:20	3.6	284	16	5.2	0
24/11/2022 19:30	3.9	284	15	5.7	0
24/11/2022 19:40	4	277	14	5.8	0
24/11/2022 19:50	3.7	279	14	4.8	0
24/11/2022 20:00	3.9	284	13	5.2	0
24/11/2022 20:10	3.9	277	14	5.6	0
24/11/2022 20:20	3.9	276	14	5.1	0
24/11/2022 20:30	4.1	268	12	5.1	0
24/11/2022 20:40	4.5	263	11	5.7	0
24/11/2022 20:50	4	267	12	5.2	0
24/11/2022 21:00	3.9	267	12	5.1	0
24/11/2022 21:10	4	268	11	5.4	0
24/11/2022 21:20	4.6	262	9	6	0
24/11/2022 21:30	4.7	261	9	5.9	0
24/11/2022 21:40	4.9	261	10	6	0
24/11/2022 21:50	4.6	260	9	5.9	0
24/11/2022 22:00	4.6	260	10	6.1	0
24/11/2022 22:10	4.2	257	12	5.6	0
24/11/2022 22:20	4.3	255	12	5.5	0
24/11/2022 22:30	4.2	259	12	5.3	0
24/11/2022 22:40	3.9	260	12	4.8	0
24/11/2022 22:50	4	254	10	5.3	0
24/11/2022 23:00	3.6	261	11	4.9	0
24/11/2022 23:10	3.4	255	11	4.4	0
24/11/2022 23:20	3.4	261	11	4.5	0
24/11/2022 23:30	3.6	259	11	4.9	0
24/11/2022 23:40	3.1	256	10	4	0
24/11/2022 23:50	3.2	256	12	4.4	0
25/11/2022 00:00	3.3	259	9	4.3	0
25/11/2022 00:10	3.1	257	10	4.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/11/2022 00:20	3	262	10	3.8	0
25/11/2022 00:30	3	252	11	4	0
25/11/2022 00:40	2.4	251	12	3.2	0
25/11/2022 00:50	2.6	256	12	3.6	0
25/11/2022 01:00	2.7	253	11	3.6	0
25/11/2022 01:10	2.7	254	9	3.6	0
25/11/2022 01:20	2.2	249	11	3.1	0
25/11/2022 01:30	1.9	253	13	2.6	0
25/11/2022 01:40	1.6	260	10	2	0
25/11/2022 01:50	1.9	262	8	2.5	0
25/11/2022 02:00	2.1	263	10	2.7	0
25/11/2022 02:10	1.9	262	8	2.5	0
25/11/2022 02:20	1.8	271	12	2.3	0
25/11/2022 02:30	2.4	259	10	3.1	0
25/11/2022 02:40	2	263	9	3.1	0
25/11/2022 02:50	2.2	263	10	3	0
25/11/2022 03:00	2.1	272	13	2.8	0
25/11/2022 03:10	2.4	268	11	3.2	0
25/11/2022 03:20	2.2	261	9	2.8	0
25/11/2022 03:30	2.1	263	8	2.7	0
25/11/2022 03:40	1.7	260	9	2.2	0
25/11/2022 03:50	2	260	7	2.5	0
25/11/2022 04:00	2.4	259	8	2.9	0
25/11/2022 04:10	1.7	263	10	2.2	0
25/11/2022 04:20	1.2	275	9	1.7	0
25/11/2022 04:30	1.5	276	11	2	0
25/11/2022 04:40	1.9	278	18	2.7	0
25/11/2022 04:50	2.4	259	10	3	0
25/11/2022 05:00	2.2	265	8	2.8	0
25/11/2022 05:10	1.5	272	13	2	0
25/11/2022 05:20	1.7	255	7	2.3	0
25/11/2022 05:30	1.8	254	11	2.5	0
25/11/2022 05:40	1.6	264	8	2.2	0
25/11/2022 05:50	2	249	9	2.6	0
25/11/2022 06:00	2.1	254	12	3	0
25/11/2022 06:10	1.6	266	15	2.4	0
25/11/2022 06:20	1.3	263	20	1.8	0
25/11/2022 06:30	1.2	293	13	1.9	0
25/11/2022 06:40	1.4	301	16	2.2	0
25/11/2022 06:50	1.7	282	25	2.8	0
25/11/2022 07:00	1.5	316	14	2	0
25/11/2022 07:10	1.2	306	18	1.8	0
25/11/2022 07:20	1.8	325	25	2.9	0
25/11/2022 07:30	1.5	163	31	2.5	0
25/11/2022 07:40	1.5	3	43	2.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/11/2022 07:50	1.9	21	24	2.7	0
25/11/2022 08:00	2.1	16	23	3.3	0
25/11/2022 08:10	2.2	188	24	3.3	0
25/11/2022 08:20	2.2	14	21	3.3	0
25/11/2022 08:30	2.2	6	26	3.2	0
25/11/2022 08:40	2.6	357	25	3.9	0
25/11/2022 08:50	2.7	181	22	4	0
25/11/2022 09:00	2.7	181	25	4.2	0
25/11/2022 09:10	2.3	352	35	3.6	0
25/11/2022 09:20	2.2	340	34	3.6	0
25/11/2022 09:30	1.8	316	34	3	0
25/11/2022 09:40	2.2	327	46	3.3	0
25/11/2022 09:50	2.3	307	43	4.2	0
25/11/2022 10:00	3	292	18	4.4	0
25/11/2022 10:10	2.3	310	32	3.9	0
25/11/2022 10:20	2.4	334	36	3.8	0
25/11/2022 10:30	2.3	328	38	3.3	0
25/11/2022 10:40	2.4	321	37	4.1	0
25/11/2022 10:50	2.7	342	29	4.4	0
25/11/2022 11:00	2.7	338	28	4.2	0
25/11/2022 11:10	2.4	336	31	4	0
25/11/2022 11:20	2.8	356	27	4.4	0
25/11/2022 11:30	2.9	352	25	4.2	0
25/11/2022 11:40	3	180	24	4.7	0
25/11/2022 11:50	2.9	176	35	4.8	0
25/11/2022 12:00	2.7	338	36	4.4	0
25/11/2022 12:10	2.6	332	42	4.8	0
25/11/2022 12:20	2.8	312	33	4.5	0
25/11/2022 12:30	3.5	300	18	4.9	0
25/11/2022 12:40	3.5	299	15	5.3	0
25/11/2022 12:50	3	329	29	4.8	0
25/11/2022 13:00	3.3	179	22	4.8	0
25/11/2022 13:10	3.6	11	17	4.9	0
25/11/2022 13:20	2.9	8	23	4.3	0
25/11/2022 13:30	3.1	9	24	4.8	0
25/11/2022 13:40	3.5	6	20	5.3	0
25/11/2022 13:50	3.6	351	22	5.2	0
25/11/2022 14:00	3.6	352	19	5.2	0
25/11/2022 14:10	3.8	6	19	6	0
25/11/2022 14:20	3.9	9	22	5.8	0
25/11/2022 14:30	3.6	355	23	5.6	0
25/11/2022 14:40	4.5	4	16	6.5	0
25/11/2022 14:50	4	3	20	6	0
25/11/2022 15:00	3.7	175	21	5.3	0
25/11/2022 15:10	4.1	8	17	5.7	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/11/2022 15:20	3.9	181	23	5.5	0
25/11/2022 15:30	3.8	178	23	5.7	0
25/11/2022 15:40	3.5	348	25	5.2	0
25/11/2022 15:50	3.2	340	29	5.2	0
25/11/2022 16:00	3.8	313	20	6.3	0
25/11/2022 16:10	4.4	307	17	6.8	0
25/11/2022 16:20	4.9	304	15	7.2	0
25/11/2022 16:30	4.4	308	14	6.3	0
25/11/2022 16:40	4.4	306	17	6.4	0
25/11/2022 16:50	5.1	296	13	7.5	0
25/11/2022 17:00	5.3	298	11	6.9	0
25/11/2022 17:10	5.1	295	12	6.6	0
25/11/2022 17:20	4.8	294	12	6.6	0
25/11/2022 17:30	4.8	295	12	6.6	0
25/11/2022 17:40	4.8	299	9	6	0
25/11/2022 17:50	4.8	296	10	6.3	0
25/11/2022 18:00	5	296	9	6.4	0
25/11/2022 18:10	4.7	298	10	6.2	0
25/11/2022 18:20	4	298	12	5	0
25/11/2022 18:30	3.8	299	12	5	0
25/11/2022 18:40	3.7	299	11	4.8	0
25/11/2022 18:50	3.5	292	11	4.9	0
25/11/2022 19:00	3.9	285	13	5.5	0
25/11/2022 19:10	4	289	12	5.5	0
25/11/2022 19:20	4.2	289	15	5.5	0
25/11/2022 19:30	4.4	296	10	5.7	0
25/11/2022 19:40	4	290	13	5.6	0
25/11/2022 19:50	3.6	287	14	5.2	0
25/11/2022 20:00	3.8	277	15	5	0
25/11/2022 20:10	3.5	267	12	4.8	0
25/11/2022 20:20	3.2	271	13	4.8	0
25/11/2022 20:30	3.4	275	13	4.3	0
25/11/2022 20:40	3.2	269	12	4.4	0
25/11/2022 20:50	3.5	267	12	4.4	0
25/11/2022 21:00	3.8	264	10	5.2	0
25/11/2022 21:10	4.3	261	11	5.6	0
25/11/2022 21:20	3.9	262	10	5.4	0
25/11/2022 21:30	3.5	262	12	4.7	0
25/11/2022 21:40	3.7	263	9	4.9	0
25/11/2022 21:50	3.8	262	11	5.2	0
25/11/2022 22:00	4	265	10	5.1	0
25/11/2022 22:10	4.1	262	11	5.4	0
25/11/2022 22:20	3.7	266	11	5.4	0
25/11/2022 22:30	4.1	264	9	5.1	0
25/11/2022 22:40	4.4	262	9	5.8	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/11/2022 22:50	4.4	263	10	5.7	0
25/11/2022 23:00	3.7	261	11	4.8	0
25/11/2022 23:10	3.8	261	9	5.5	0
25/11/2022 23:20	4.3	261	11	5.4	0
25/11/2022 23:30	4.9	264	11	6.8	0
25/11/2022 23:40	4.3	264	9	5.9	0
25/11/2022 23:50	4.7	263	10	6.6	0
26/11/2022 00:00	4.7	262	9	6.5	0
26/11/2022 00:10	4.2	262	9	6	0
26/11/2022 00:20	4.4	263	10	5.9	0
26/11/2022 00:30	4.6	263	10	6.4	0
26/11/2022 00:40	4.8	262	11	6	0
26/11/2022 00:50	4.9	263	9	6.4	0
26/11/2022 01:00	4.6	262	11	6	0
26/11/2022 01:10	5	262	10	7	0
26/11/2022 01:20	5.2	264	9	6.8	0
26/11/2022 01:30	5.4	262	9	7.5	0
26/11/2022 01:40	5.4	265	8	6.6	0
26/11/2022 01:50	5.4	262	10	7.2	0
26/11/2022 02:00	5.4	263	9	6.9	0
26/11/2022 02:10	5.2	263	10	7.2	0
26/11/2022 02:20	4.8	263	11	6.4	0
26/11/2022 02:30	4.4	264	10	6	0
26/11/2022 02:40	4.3	257	11	5.7	0
26/11/2022 02:50	4.5	256	10	6.4	0
26/11/2022 03:00	3.8	254	11	5.2	0
26/11/2022 03:10	4.6	255	11	7	0
26/11/2022 03:20	4.2	255	13	6	0
26/11/2022 03:30	4.1	255	12	5.9	0
26/11/2022 03:40	4.6	255	12	6	0
26/11/2022 03:50	4.7	258	10	6.4	0
26/11/2022 04:00	4.4	255	11	6	0
26/11/2022 04:10	4.1	255	11	5.6	0
26/11/2022 04:20	3.8	254	12	4.8	0
26/11/2022 04:30	4.2	255	12	6	0
26/11/2022 04:40	4.6	252	11	6.3	0
26/11/2022 04:50	4.6	258	9	6.3	0
26/11/2022 05:00	4.1	255	12	5.7	0
26/11/2022 05:10	4.4	254	12	5.7	0
26/11/2022 05:20	4.4	249	12	5.6	0
26/11/2022 05:30	4.1	251	12	5.6	0
26/11/2022 05:40	3.9	254	13	6	0
26/11/2022 05:50	3.9	252	11	5.7	0
26/11/2022 06:00	3.4	252	11	5.1	0
26/11/2022 06:10	3.3	247	12	4.4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/11/2022 06:20	3.5	243	12	4.5	0
26/11/2022 06:30	3.3	244	12	4.4	0
26/11/2022 06:40	3.5	239	11	4.4	0
26/11/2022 06:50	3.1	242	11	4.3	0
26/11/2022 07:00	3.1	245	13	4.4	0
26/11/2022 07:10	3.4	246	12	4.4	0
26/11/2022 07:20	2.8	235	16	3.9	0
26/11/2022 07:30	3.3	253	13	4.4	0
26/11/2022 07:40	3.2	255	14	4.2	0
26/11/2022 07:50	3.1	250	13	4.4	0
26/11/2022 08:00	3.1	256	17	4.1	0
26/11/2022 08:10	2.9	255	15	3.8	0
26/11/2022 08:20	2.5	246	19	3.7	0
26/11/2022 08:30	2.7	251	18	3.8	0
26/11/2022 08:40	2.2	242	22	3.7	0
26/11/2022 08:50	2.3	231	19	3.5	0
26/11/2022 09:00	2.2	250	24	3.2	0
26/11/2022 09:10	2.5	284	23	3.9	0
26/11/2022 09:20	2.9	295	17	4	0
26/11/2022 09:30	3.1	307	14	4	0
26/11/2022 09:40	3.6	298	12	4.7	0
26/11/2022 09:50	3.4	297	15	4.7	0
26/11/2022 10:00	3.3	301	17	4.4	0
26/11/2022 10:10	3.3	300	15	4.8	0
26/11/2022 10:20	3.2	297	19	4.4	0
26/11/2022 10:30	4	301	12	5.2	0
26/11/2022 10:40	3.1	334	17	4.6	0
26/11/2022 10:50	3.2	344	29	4.7	0
26/11/2022 11:00	3.2	323	30	5.6	0
26/11/2022 11:10	3.8	314	20	5.6	0
26/11/2022 11:20	3.7	322	20	5.7	0
26/11/2022 11:30	4.6	306	16	6.5	0
26/11/2022 11:40	5.7	303	10	7.4	0
26/11/2022 11:50	6.4	301	8	7.9	0
26/11/2022 12:00	6.7	300	7	8	0
26/11/2022 12:10	6.5	300	9	7.8	0
26/11/2022 12:20	5.4	302	12	7.5	0
26/11/2022 12:30	5.6	299	13	7.3	0
26/11/2022 12:40	6.2	296	13	8.3	0
26/11/2022 12:50	5.8	296	13	8.1	0
26/11/2022 13:00	5.8	293	14	7.5	0
26/11/2022 13:10	5.7	295	12	7.8	0
26/11/2022 13:20	5.6	293	13	7.5	0
26/11/2022 13:30	5.6	292	13	7.8	0
26/11/2022 13:40	5.6	293	14	7.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/11/2022 13:50	5.7	290	14	7.7	0
26/11/2022 14:00	5.6	295	13	7.2	0
26/11/2022 14:10	5.5	292	14	7.3	0
26/11/2022 14:20	5.4	294	13	7.1	0
26/11/2022 14:30	5.1	295	11	6.9	0
26/11/2022 14:40	5.2	295	14	7.2	0
26/11/2022 14:50	5.1	294	12	6.8	0
26/11/2022 15:00	4.9	299	10	6.5	0
26/11/2022 15:10	5	297	12	6.7	0
26/11/2022 15:20	5.3	297	10	6.8	0
26/11/2022 15:30	5.1	295	11	6.7	0
26/11/2022 15:40	4.8	296	11	6.6	0
26/11/2022 15:50	4.8	298	12	6.6	0
26/11/2022 16:00	4.4	307	14	5.7	0
26/11/2022 16:10	4.5	299	16	6.4	0
26/11/2022 16:20	4.6	295	13	6.2	0
26/11/2022 16:30	4.3	294	13	6.4	0
26/11/2022 16:40	4.5	293	15	6	0
26/11/2022 16:50	3.8	303	15	5.4	0
26/11/2022 17:00	4.5	302	14	6.1	0
26/11/2022 17:10	4.6	312	14	6.4	0
26/11/2022 17:20	4.4	310	16	6	0
26/11/2022 17:30	4.8	298	12	6.4	0
26/11/2022 17:40	4.7	297	12	5.9	0
26/11/2022 17:50	5	297	10	6.6	0
26/11/2022 18:00	4.8	296	11	6.5	0
26/11/2022 18:10	4.4	297	12	6	0
26/11/2022 18:20	4.2	295	11	5.5	0
26/11/2022 18:30	3.9	291	14	5.5	0
26/11/2022 18:40	3.8	290	14	5.3	0
26/11/2022 18:50	4.2	288	14	5.8	0
26/11/2022 19:00	3.7	275	14	5.5	0
26/11/2022 19:10	4.1	279	15	5.4	0
26/11/2022 19:20	4.1	267	14	5.6	0
26/11/2022 19:30	4.8	268	13	6.6	0
26/11/2022 19:40	4.6	269	14	6.6	0
26/11/2022 19:50	4	269	13	5.8	0
26/11/2022 20:00	4.1	269	14	5.5	0
26/11/2022 20:10	3.8	272	14	5.2	0
26/11/2022 20:20	4	270	12	5.2	0
26/11/2022 20:30	3.8	265	13	5.4	0
26/11/2022 20:40	3.9	272	12	5.1	0
26/11/2022 20:50	3.5	275	15	4.9	0
26/11/2022 21:00	2.9	279	17	4.4	0
26/11/2022 21:10	2.7	277	15	4.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/11/2022 21:20	3.4	288	16	4.9	0
26/11/2022 21:30	3	279	14	4.4	0
26/11/2022 21:40	3.6	270	13	5.2	0
26/11/2022 21:50	3.3	276	16	5.5	0
26/11/2022 22:00	3.5	276	16	6	0
26/11/2022 22:10	3.5	275	16	5.4	0
26/11/2022 22:20	4.1	275	15	6.2	0
26/11/2022 22:30	4.8	266	13	7.1	0
26/11/2022 22:40	4.6	265	12	6.4	0
26/11/2022 22:50	4.1	264	12	5.7	0
26/11/2022 23:00	4.1	268	15	5.9	0
26/11/2022 23:10	4.2	266	12	6.4	0
26/11/2022 23:20	4	267	12	6	0
26/11/2022 23:30	5.4	264	14	7.5	0
26/11/2022 23:40	4.6	269	15	6.6	0
26/11/2022 23:50	4.6	266	11	6.3	0
27/11/2022 00:00	4.6	269	13	6.7	0
27/11/2022 00:10	4.3	271	14	6.2	0
27/11/2022 00:20	4.4	268	12	6.5	0
27/11/2022 00:30	4.6	273	14	6.1	0
27/11/2022 00:40	5	268	12	6.8	0
27/11/2022 00:50	5.2	266	12	7.2	0
27/11/2022 01:00	5.7	263	10	8.1	0
27/11/2022 01:10	5.7	262	9	7.7	0
27/11/2022 01:20	5.6	262	11	7.4	0
27/11/2022 01:30	5.3	264	10	7.2	0
27/11/2022 01:40	5.2	258	12	6.5	0
27/11/2022 01:50	5.5	254	12	7.6	0
27/11/2022 02:00	5.1	257	11	6.7	0
27/11/2022 02:10	5.1	258	11	6.8	0
27/11/2022 02:20	4.6	257	11	6.4	0
27/11/2022 02:30	4.7	254	10	6.4	0
27/11/2022 02:40	4.9	255	11	6.3	0
27/11/2022 02:50	4.4	247	13	6.4	0
27/11/2022 03:00	4.8	250	12	6.9	0
27/11/2022 03:10	4.8	249	11	6.7	0
27/11/2022 03:20	4.6	245	13	6.8	0
27/11/2022 03:30	4.5	248	11	6.2	0
27/11/2022 03:40	4.4	246	11	5.8	0
27/11/2022 03:50	4.1	250	12	5.3	0
27/11/2022 04:00	3.7	245	12	5.3	0
27/11/2022 04:10	3.8	246	11	4.8	0
27/11/2022 04:20	3.2	244	12	4.5	0
27/11/2022 04:30	3.2	246	13	4.6	0
27/11/2022 04:40	3.3	243	13	5	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/11/2022 04:50	3.3	251	12	4.5	0
27/11/2022 05:00	3.2	250	11	5.1	0
27/11/2022 05:10	3	254	10	4	0
27/11/2022 05:20	2.4	255	11	3.2	0
27/11/2022 05:30	1.7	248	12	2.3	0
27/11/2022 05:40					0
27/11/2022 05:50	1	228	29	1.8	0
27/11/2022 06:00	2	249	15	2.8	0
27/11/2022 06:10	2.3	253	11	3.2	0
27/11/2022 06:20	2	262	13	2.8	0
27/11/2022 06:30	2.1	262	13	3	0
27/11/2022 06:40	2	257	16	2.8	0
27/11/2022 06:50	1.6	242	16	2.3	0
27/11/2022 07:00	1.4	246	15	2	0
27/11/2022 07:10	0.9	225	41	1.9	0
27/11/2022 07:20	1.3	146	34	2.4	0
27/11/2022 07:30	2.3	130	18	3.4	0
27/11/2022 07:40	2.8	129	15	4	0
27/11/2022 07:50	3.2	111	14	4.5	0
27/11/2022 08:00	3.3	103	14	4.6	0
27/11/2022 08:10	3.5	91	15	5	0
27/11/2022 08:20	3.3	82	13	4.4	0
27/11/2022 08:30	3.2	83	14	4.3	0
27/11/2022 08:40	3.1	92	16	4.8	0
27/11/2022 08:50	3.3	106	16	4.6	0
27/11/2022 09:00	3.8	96	14	5.3	0
27/11/2022 09:10	4.2	102	12	5.4	0
27/11/2022 09:20	3.5	107	16	4.8	0
27/11/2022 09:30	4.1	92	12	5.1	0
27/11/2022 09:40	3.7	102	18	5.2	0
27/11/2022 09:50	4	111	15	6	0
27/11/2022 10:00	4.2	92	13	6.4	0
27/11/2022 10:10	4.4	96	13	5.7	0
27/11/2022 10:20	4	99	18	6.2	0
27/11/2022 10:30	4.2	82	14	6.2	0
27/11/2022 10:40	4	82	16	7	0
27/11/2022 10:50	4	78	16	5.8	0
27/11/2022 11:00	3.6	75	15	5.4	0
27/11/2022 11:10	3.7	83	17	6	0
27/11/2022 11:20	3.6	81	20	5	0
27/11/2022 11:30	3.3	81	18	4.8	0
27/11/2022 11:40	3.6	80	18	5.6	0
27/11/2022 11:50	3.5	90	16	5.5	0
27/11/2022 12:00	3.7	72	20	5.2	0
27/11/2022 12:10	3.9	84	16	5.9	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/11/2022 12:20	4	64	15	5.4	0
27/11/2022 12:30	3.8	54	16	5.8	0
27/11/2022 12:40	3.1	48	29	4.8	0
27/11/2022 12:50	3.1	14	24	4.3	0
27/11/2022 13:00	3.1	357	21	4.8	0
27/11/2022 13:10	3.2	357	21	4.8	0
27/11/2022 13:20	3.6	350	19	5.2	0
27/11/2022 13:30	3.6	359	27	5.2	0
27/11/2022 13:40	4.1	172	18	6	0
27/11/2022 13:50	4.5	352	20	6.4	0
27/11/2022 14:00	5.6	309	15	8	0
27/11/2022 14:10	6.6	300	9	8.1	0
27/11/2022 14:20	6.1	300	11	7.8	0
27/11/2022 14:30	6.2	298	12	8.3	0
27/11/2022 14:40	5.7	295	11	7.6	0
27/11/2022 14:50	5.3	286	13	7.4	0
27/11/2022 15:00	5.3	298	11	6.9	0
27/11/2022 15:10	5.4	297	11	7.2	0
27/11/2022 15:20	5.6	298	9	6.8	0
27/11/2022 15:30	4.7	301	12	6.2	0
27/11/2022 15:40	4.2	304	14	5.5	0
27/11/2022 15:50	4.3	305	17	6	0
27/11/2022 16:00	5.8	300	11	7.4	0
27/11/2022 16:10	5.2	292	13	7.1	0
27/11/2022 16:20	5.3	292	11	6.9	0
27/11/2022 16:30	4.7	290	15	6.4	0
27/11/2022 16:40	5	294	11	6.4	0
27/11/2022 16:50	4.6	280	13	6.4	0
27/11/2022 17:00	4.7	287	14	6.3	0
27/11/2022 17:10	4.1	283	15	5.7	0
27/11/2022 17:20	4.3	285	13	5.6	0
27/11/2022 17:30	4.1	288	14	5.6	0
27/11/2022 17:40	4	292	15	5.4	0
27/11/2022 17:50	4.4	294	12	5.7	0
27/11/2022 18:00	4.3	297	13	5.8	0
27/11/2022 18:10	4.4	297	12	6	0
27/11/2022 18:20	4.4	297	9	6.2	0
27/11/2022 18:30	4.1	294	12	5.5	0
27/11/2022 18:40	4	299	11	5.4	0
27/11/2022 18:50	3.6	298	12	5.1	0
27/11/2022 19:00	4	292	13	5.3	0
27/11/2022 19:10	3.3	285	15	4.5	0
27/11/2022 19:20	3.4	288	14	4.8	0
27/11/2022 19:30	3.1	278	16	4.8	0
27/11/2022 19:40	4.1	273	14	5.4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/11/2022 19:50	3.1	277	17	5.5	0
27/11/2022 20:00	4.2	274	15	6	0
27/11/2022 20:10	3.4	284	15	5	0
27/11/2022 20:20	4	279	15	5.6	0
27/11/2022 20:30	3.9	285	18	5.6	0
27/11/2022 20:40	4.1	277	13	5.5	0
27/11/2022 20:50	3.7	275	16	5.2	0
27/11/2022 21:00	3.7	273	14	4.9	0
27/11/2022 21:10	3.7	276	13	5.2	0
27/11/2022 21:20	3.7	278	15	5.2	0
27/11/2022 21:30	3.7	285	16	4.8	0
27/11/2022 21:40	4	295	11	5.2	0
27/11/2022 21:50	3.7	297	13	5.6	0
27/11/2022 22:00	3	305	15	5	0
27/11/2022 22:10	3	302	15	4	0
27/11/2022 22:20	3.4	294	13	4.8	0
27/11/2022 22:30	3.8	274	14	5.1	0
27/11/2022 22:40	3.7	275	12	5.2	0
27/11/2022 22:50	4.1	277	13	5.8	0
27/11/2022 23:00	4.3	272	14	6	0
27/11/2022 23:10	4.4	267	12	6.1	0
27/11/2022 23:20	4.4	266	11	6.7	0
27/11/2022 23:30	4.6	264	12	6.4	0
27/11/2022 23:40	5	263	11	6.6	0
27/11/2022 23:50	4.9	259	11	6.6	0
28/11/2022 00:00	4.8	261	12	6.5	0
28/11/2022 00:10	5.2	262	11	6.9	0
28/11/2022 00:20	4.9	257	11	6.8	0
28/11/2022 00:30	5	263	11	6.5	0
28/11/2022 00:40	5.3	260	11	6.8	0
28/11/2022 00:50	5.1	257	11	7	0
28/11/2022 01:00	5	260	12	6.8	0
28/11/2022 01:10	4.9	259	11	6.8	0
28/11/2022 01:20	4.8	260	11	6.2	0
28/11/2022 01:30	5.1	263	9	6.8	0
28/11/2022 01:40	5	262	10	6.5	0
28/11/2022 01:50	5.5	258	11	7.2	0
28/11/2022 02:00	5.6	263	9	7.4	0
28/11/2022 02:10	5.6	262	11	7.5	0
28/11/2022 02:20	5.6	262	10	7.3	0
28/11/2022 02:30	5.5	262	10	7.5	0
28/11/2022 02:40	5.5	260	10	7.7	0
28/11/2022 02:50	5.9	258	11	7.9	0
28/11/2022 03:00	5.4	254	11	7.5	0
28/11/2022 03:10	5.7	255	12	8.2	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/11/2022 03:20	5.9	257	11	8.5	0
28/11/2022 03:30	5.1	255	11	7.1	0
28/11/2022 03:40	5.4	257	11	7.9	0
28/11/2022 03:50	5.4	257	10	7.5	0
28/11/2022 04:00	5.5	258	10	7.2	0
28/11/2022 04:10	6	256	11	7.9	0
28/11/2022 04:20	6.2	254	10	8.3	0
28/11/2022 04:30	5.4	258	10	7.1	0
28/11/2022 04:40	5	255	11	6.5	0
28/11/2022 04:50	5.9	256	10	7.5	0
28/11/2022 05:00	5.4	257	10	7.5	0
28/11/2022 05:10	5.8	255	10	7.1	0
28/11/2022 05:20	4.6	256	11	6.4	0
28/11/2022 05:30	5.6	254	11	7.2	0
28/11/2022 05:40	5.5	257	9	7.1	0
28/11/2022 05:50	5.2	256	11	7.8	0
28/11/2022 06:00	4.8	253	11	6.5	0
28/11/2022 06:10	5.7	252	12	7.2	0
28/11/2022 06:20	5.8	253	11	7.9	0
28/11/2022 06:30	5.6	256	12	7.3	0
28/11/2022 06:40	6.1	254	11	8.3	0
28/11/2022 06:50	5.9	251	12	7.5	0
28/11/2022 07:00	5.4	251	13	7.5	0
28/11/2022 07:10	5.1	249	12	7	0
28/11/2022 07:20	5.1	250	13	6.5	0
28/11/2022 07:30	4.4	241	15	5.9	0
28/11/2022 07:40	3.9	239	14	5.2	0
28/11/2022 07:50	3.1	228	19	4.5	0
28/11/2022 08:00	2.5	243	20	3.6	0
28/11/2022 08:10	2.3	246	16	3.6	0
28/11/2022 08:20	2	223	26	2.8	0
28/11/2022 08:30	1.9	169	47	3	0
28/11/2022 08:40	1.6	178	43	3.2	0
28/11/2022 08:50	1.5	148	40	2.6	0
28/11/2022 09:00	2.2	88	25	3.1	0
28/11/2022 09:10	1.6	114	30	2.4	0
28/11/2022 09:20	2.2	199	42	4.2	0
28/11/2022 09:30	2.8	248	18	4.1	0
28/11/2022 09:40	3.9	243	14	5.2	0
28/11/2022 09:50	3.4	250	15	4.5	0
28/11/2022 10:00	3.4	247	15	4.5	0
28/11/2022 10:10	3.2	242	17	4.2	0
28/11/2022 10:20	3.3	245	17	4.4	0
28/11/2022 10:30	2.4	237	20	3.5	0
28/11/2022 10:40	2.7	247	34	4.3	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/11/2022 10:50	3.5	252	17	4.9	0
28/11/2022 11:00	3	255	22	4.2	0
28/11/2022 11:10	3.1	278	22	4.4	0
28/11/2022 11:20	3.7	285	21	5.3	0
28/11/2022 11:30	4.4	252	15	5.8	0
28/11/2022 11:40	4.7	254	14	6.4	0
28/11/2022 11:50	4.5	261	15	6.1	0
28/11/2022 12:00	4.6	260	12	6	0
28/11/2022 12:10	4.1	283	19	6.1	0
28/11/2022 12:20	4.5	291	16	6	0
28/11/2022 12:30	5.1	265	17	6.5	0
28/11/2022 12:40	4.7	291	16	6.1	0
28/11/2022 12:50	4.2	290	14	5.2	0
28/11/2022 13:00	4.2	288	14	6.3	0
28/11/2022 13:10	4.3	287	17	5.9	0
28/11/2022 13:20	4.2	278	17	5.6	0
28/11/2022 13:30	4.9	284	18	6.8	0
28/11/2022 13:40	4.8	286	19	6.8	0
28/11/2022 13:50	5	292	13	6.8	0
28/11/2022 14:00	4.6	289	18	6.2	0
28/11/2022 14:10	4.7	277	16	7.3	0
28/11/2022 14:20	4.3	274	18	6.2	0
28/11/2022 14:30	5.1	262	14	6.6	0
28/11/2022 14:40	5.6	261	9	7.3	0
28/11/2022 14:50	5.5	257	12	7.2	0
28/11/2022 15:00	5.6	259	13	6.8	0
28/11/2022 15:10	5.5	267	13	7.4	0
28/11/2022 15:20	5.6	261	10	6.8	0
28/11/2022 15:30	5	265	15	6.4	0
28/11/2022 15:40	4.9	266	13	6.7	0
28/11/2022 15:50	4.8	264	13	6.4	0
28/11/2022 16:00	5.3	261	13	7	0
28/11/2022 16:10	5.3	257	11	6.9	0
28/11/2022 16:20	5.3	260	11	6.8	0
28/11/2022 16:30	5.2	258	10	6.8	0
28/11/2022 16:40	5	260	10	6.2	0
28/11/2022 16:50	4.7	261	8	5.4	0
28/11/2022 17:00	4.4	260	11	5.2	0
28/11/2022 17:10	3.5	273	13	4.8	0
28/11/2022 17:20	2.9	263	17	4.2	0
28/11/2022 17:30	3.4	255	14	4.4	0
28/11/2022 17:40	4.1	254	13	5.4	0
28/11/2022 17:50	4.7	262	11	6	0
28/11/2022 18:00	5.3	254	10	6.9	0
28/11/2022 18:10	5	255	11	6.6	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/11/2022 18:20	5.2	258	12	6.9	0
28/11/2022 18:30	5.1	261	12	6.8	0
28/11/2022 18:40	5	260	12	6.7	0
28/11/2022 18:50	5.6	262	11	7.4	0
28/11/2022 19:00	5.5	262	10	6.8	0
28/11/2022 19:10	5.2	265	10	6.7	0
28/11/2022 19:20	5.2	261	9	6.5	0
28/11/2022 19:30	4.7	264	10	6.4	0
28/11/2022 19:40	4.2	266	13	5.7	0
28/11/2022 19:50	4.2	263	11	5.8	0
28/11/2022 20:00	4.4	262	11	6	0
28/11/2022 20:10	4.1	265	11	5.6	0
28/11/2022 20:20	3.5	264	11	4.8	0
28/11/2022 20:30	3.6	262	11	5.2	0
28/11/2022 20:40	4	260	12	5.4	0
28/11/2022 20:50	4.3	262	9	5.5	0
28/11/2022 21:00	3.8	257	11	5.2	0
28/11/2022 21:10	4.1	259	11	6	0
28/11/2022 21:20	4.2	263	11	5.2	0
28/11/2022 21:30	4.7	260	11	5.8	0
28/11/2022 21:40	4.7	261	11	6.3	0
28/11/2022 21:50	5	262	12	6.3	0
28/11/2022 22:00	5.3	262	9	7.1	0
28/11/2022 22:10	4.6	264	9	6.1	0
28/11/2022 22:20	4.4	259	10	6.4	0
28/11/2022 22:30	5	263	9	6.7	0
28/11/2022 22:40	4.7	261	10	6	0
28/11/2022 22:50	4.5	262	10	6	0
28/11/2022 23:00	4.5	263	9	5.7	0
28/11/2022 23:10	4.4	263	10	6	0
28/11/2022 23:20	4.2	265	11	5.7	0
28/11/2022 23:30	4.6	263	9	5.8	0
28/11/2022 23:40	4.8	263	9	6.3	0
28/11/2022 23:50	4.1	269	13	5.1	0
29/11/2022 00:00	3.9	272	15	5.2	0
29/11/2022 00:10	4	268	12	5.2	0
29/11/2022 00:20	4.4	271	11	6	0
29/11/2022 00:30	4.8	265	12	6.5	0
29/11/2022 00:40	5.6	262	10	7.3	0
29/11/2022 00:50	5.7	265	9	7.5	0
29/11/2022 01:00	5.9	260	11	7.7	0
29/11/2022 01:10	6.1	262	10	8.1	0
29/11/2022 01:20	6.1	261	10	8	0
29/11/2022 01:30	6.5	265	9	8.2	0
29/11/2022 01:40	6.3	262	8	8	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/11/2022 01:50	6	264	10	7.6	0
29/11/2022 02:00	5.6	265	10	7.4	0
29/11/2022 02:10	5.5	266	12	7.4	0
29/11/2022 02:20	5.6	267	10	7.6	0
29/11/2022 02:30	6.2	263	10	8	0
29/11/2022 02:40	5.8	262	11	8	0
29/11/2022 02:50	5.9	266	9	7.5	0
29/11/2022 03:00	6	262	10	7.6	0
29/11/2022 03:10	5.6	263	9	7.5	0
29/11/2022 03:20	5.6	267	11	7.4	0
29/11/2022 03:30	5.7	266	12	7.8	0
29/11/2022 03:40	4.9	268	11	6.4	0
29/11/2022 03:50	5.4	265	9	7.9	0
29/11/2022 04:00	6.4	265	11	8.5	0
29/11/2022 04:10	6.4	260	9	8.1	0
29/11/2022 04:20	6.6	263	9	8.3	0
29/11/2022 04:30	7.2	261	10	8.9	0
29/11/2022 04:40	6.7	263	9	8.3	0
29/11/2022 04:50	6.1	263	11	8.3	0
29/11/2022 05:00	6	265	9	7.7	0
29/11/2022 05:10	6.6	261	11	9	0
29/11/2022 05:20	6.6	263	11	8.6	0
29/11/2022 05:30	5.9	261	11	7.8	0
29/11/2022 05:40	5.3	260	13	7.8	0
29/11/2022 05:50	5.6	259	9	8.8	0
29/11/2022 06:00	5.7	257	12	7.5	0
29/11/2022 06:10	5.3	256	11	7.1	0
29/11/2022 06:20	4.6	255	12	6.4	0
29/11/2022 06:30	5.1	257	11	7.2	0
29/11/2022 06:40	5.8	258	10	8.4	0
29/11/2022 06:50	5.5	259	10	7.8	0
29/11/2022 07:00	6.2	258	11	8.4	0
29/11/2022 07:10	6.4	255	12	8.2	0
29/11/2022 07:20	6.5	262	10	8.3	0
29/11/2022 07:30	6.6	264	10	8.7	0
29/11/2022 07:40	5.4	261	11	7.6	0
29/11/2022 07:50	5	267	14	7.1	0
29/11/2022 08:00	5.8	269	11	7.3	0
29/11/2022 08:10	5.2	253	13	7	0
29/11/2022 08:20	4	249	16	6	0
29/11/2022 08:30	4	257	16	5.3	0
29/11/2022 08:40	3.7	258	16	5.8	0
29/11/2022 08:50	3.9	252	17	5.5	0
29/11/2022 09:00	3.5	243	21	4.8	0
29/11/2022 09:10	2.3	220	40	4.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/11/2022 09:20	2.2	231	31	4	0
29/11/2022 09:30	2.2	236	25	4.1	0
29/11/2022 09:40	3.7	275	19	5.4	0
29/11/2022 09:50	3.7	267	19	4.8	0
29/11/2022 10:00	4	287	16	5.4	0
29/11/2022 10:10	3.4	284	15	4.4	0
29/11/2022 10:20	3.3	272	19	4.8	0
29/11/2022 10:30	3	256	23	4.6	0
29/11/2022 10:40	3.6	253	17	5.1	0
29/11/2022 10:50	3.6	268	16	5.1	0
29/11/2022 11:00	3.4	299	22	4.8	0
29/11/2022 11:10	3.5	293	15	5	0
29/11/2022 11:20	3.9	300	20	5.4	0
29/11/2022 11:30	4.4	306	15	5.7	0
29/11/2022 11:40	4.9	302	14	6.4	0
29/11/2022 11:50	4.8	302	14	6.4	0
29/11/2022 12:00	4.8	304	14	6.8	0
29/11/2022 12:10	4.8	302	15	6.5	0
29/11/2022 12:20	4.9	303	12	6.8	0
29/11/2022 12:30	4.6	310	16	6.4	0
29/11/2022 12:40	3.9	311	24	6	0
29/11/2022 12:50	4.2	299	15	5.6	0
29/11/2022 13:00	3.7	298	20	5.5	0
29/11/2022 13:10	4.2	294	15	5.8	0
29/11/2022 13:20	3.5	295	24	5.1	0
29/11/2022 13:30	3.6	312	21	6	0
29/11/2022 13:40	2.8	318	37	4.6	0
29/11/2022 13:50	2.4	347	35	3.7	0
29/11/2022 14:00	2.4	332	39	4	0
29/11/2022 14:10	4.5	301	15	6.5	0
29/11/2022 14:20	4.6	304	13	6.3	0
29/11/2022 14:30	4.8	300	11	6.3	0
29/11/2022 14:40	5.5	301	12	7.3	0
29/11/2022 14:50	5.4	292	11	7.5	0
29/11/2022 15:00	5.5	295	16	7.3	0
29/11/2022 15:10	5.6	292	15	7.4	0
29/11/2022 15:20	5.8	287	15	7.9	0
29/11/2022 15:30	5.9	290	13	7.5	0
29/11/2022 15:40	5.7	288	14	7.5	0
29/11/2022 15:50	5.7	287	12	7.4	0
29/11/2022 16:00	5.6	284	16	7	0
29/11/2022 16:10	5.5	284	15	7.5	0
29/11/2022 16:20	5.3	285	16	6.9	0
29/11/2022 16:30	5.5	284	12	7.3	0
29/11/2022 16:40	5.3	283	15	6.7	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/11/2022 16:50	5	280	15	6.7	0
29/11/2022 17:00	5.1	284	16	6.7	0
29/11/2022 17:10	4.8	282	14	6.7	0
29/11/2022 17:20	4.6	280	15	6.3	0
29/11/2022 17:30	4.4	284	16	6.5	0
29/11/2022 17:40	4.6	285	16	6.2	0
29/11/2022 17:50	4.4	284	14	5.8	0
29/11/2022 18:00	4.3	287	14	5.8	0
29/11/2022 18:10	3.6	283	17	5.3	0
29/11/2022 18:20	3.8	287	15	5.3	0
29/11/2022 18:30	3.6	277	15	4.7	0
29/11/2022 18:40	3.4	267	14	4.8	0
29/11/2022 18:50	3.8	261	11	4.9	0
29/11/2022 19:00	4.2	263	9	5.2	0
29/11/2022 19:10	4.3	259	9	5.2	0
29/11/2022 19:20	4.4	260	10	5.6	0
29/11/2022 19:30	4.3	258	10	5.6	0
29/11/2022 19:40	4.8	259	9	6	0
29/11/2022 19:50	4.9	266	9	6.1	0
29/11/2022 20:00	4.7	264	12	6.5	0
29/11/2022 20:10	4.9	266	12	6.6	0
29/11/2022 20:20	5.2	264	11	6.8	0
29/11/2022 20:30	5.2	263	10	7.2	0
29/11/2022 20:40	4.9	262	10	6.6	0
29/11/2022 20:50	5.9	262	10	7.9	0
29/11/2022 21:00	6.4	262	10	8.2	0
29/11/2022 21:10	6.5	264	10	8.6	0
29/11/2022 21:20	6	262	12	7.9	0
29/11/2022 21:30	6	261	9	8.2	0
29/11/2022 21:40	5.9	260	10	7.5	0
29/11/2022 21:50	5.3	256	11	7.3	0
29/11/2022 22:00	5.6	256	12	7.3	0
29/11/2022 22:10	5.2	258	11	6.8	0
29/11/2022 22:20	5.3	259	10	6.8	0
29/11/2022 22:30	4.8	256	12	7	0
29/11/2022 22:40	4.7	254	11	6	0
29/11/2022 22:50	5	255	12	6.7	0
29/11/2022 23:00	5.2	257	11	6.9	0
29/11/2022 23:10	5.2	256	10	6.8	0
29/11/2022 23:20	5	255	11	6.8	0
29/11/2022 23:30	5.6	255	10	7	0
29/11/2022 23:40	5.9	255	9	7.6	0
29/11/2022 23:50	5.5	253	10	7.2	0
30/11/2022 00:00	5.7	253	12	7.7	0
30/11/2022 00:10	5.7	251	11	7.3	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/11/2022 00:20	5.2	250	13	7.5	0
30/11/2022 00:30	4.8	256	12	6.5	0
30/11/2022 00:40	4.4	257	11	6	0
30/11/2022 00:50	4.2	252	12	5.5	0
30/11/2022 01:00	4.3	254	10	5.6	0
30/11/2022 01:10	3.2	241	13	4.8	0
30/11/2022 01:20	2.5	247	13	3.2	0
30/11/2022 01:30	2.6	257	13	3.3	0
30/11/2022 01:40	3	264	10	3.6	0
30/11/2022 01:50	2.8	257	13	3.7	0
30/11/2022 02:00	2.7	262	10	3.9	0
30/11/2022 02:10	2.8	257	12	3.6	0
30/11/2022 02:20	2.8	264	11	3.9	0
30/11/2022 02:30	3	264	10	3.9	0
30/11/2022 02:40	3.1	272	13	4.4	0
30/11/2022 02:50	2.9	273	16	4	0
30/11/2022 03:00	3.5	274	14	5.1	0
30/11/2022 03:10	3.5	284	15	4.8	0
30/11/2022 03:20	3.7	289	13	5.2	0
30/11/2022 03:30	3.3	280	16	4.8	0
30/11/2022 03:40	3.6	268	13	5.2	0
30/11/2022 03:50	3.7	274	16	5.2	0
30/11/2022 04:00	3.8	268	13	5.2	0
30/11/2022 04:10	3.4	268	13	4.7	0
30/11/2022 04:20	3.6	266	14	4.7	0
30/11/2022 04:30	3.3	269	13	4.8	0
30/11/2022 04:40	3.3	269	11	4.5	0
30/11/2022 04:50	3.6	263	12	4.8	0
30/11/2022 05:00	2.9	272	13	4.3	0
30/11/2022 05:10	3.2	268	12	4.6	0
30/11/2022 05:20	3.5	264	12	5.1	0
30/11/2022 05:30	3.1	265	14	4.4	0
30/11/2022 05:40	3.9	262	10	5.1	0
30/11/2022 05:50	3.5	266	14	5.4	0
30/11/2022 06:00	3.9	262	10	4.9	0
30/11/2022 06:10	3.4	263	11	4.7	0
30/11/2022 06:20	3.8	263	11	4.8	0
30/11/2022 06:30	4.1	258	12	5.8	0
30/11/2022 06:40	4	262	11	5.5	0
30/11/2022 06:50	4.3	264	10	5.6	0
30/11/2022 07:00	4.4	268	13	5.8	0
30/11/2022 07:10	4.8	259	13	6.3	0
30/11/2022 07:20	3.9	261	14	5.3	0
30/11/2022 07:30	4.1	263	14	5.4	0
30/11/2022 07:40	4	265	14	5.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/11/2022 07:50	4.2	261	14	5.3	0
30/11/2022 08:00	4.3	257	14	5.7	0
30/11/2022 08:10	4.3	264	14	5.9	0
30/11/2022 08:20	4.2	264	13	5.8	0
30/11/2022 08:30	3.8	258	15	5.3	0
30/11/2022 08:40	4	261	16	5.6	0
30/11/2022 08:50	4.3	262	12	5.6	0
30/11/2022 09:00	4.4	266	13	5.5	0
30/11/2022 09:10	4.4	265	16	5.8	0
30/11/2022 09:20	3.2	295	18	4.5	0
30/11/2022 09:30	2.7	294	20	4.2	0
30/11/2022 09:40	3	271	24	4.4	0
30/11/2022 09:50	4	278	15	5.4	0
30/11/2022 10:00	4.1	279	17	5.3	0
30/11/2022 10:10	3.4	280	16	5	0
30/11/2022 10:20	3.6	264	22	4.8	0
30/11/2022 10:30	3.4	287	18	4.8	0
30/11/2022 10:40	3.6	293	17	5.1	0
30/11/2022 10:50	4	271	19	5.6	0
30/11/2022 11:00	3.9	289	20	5.6	0
30/11/2022 11:10	4.2	291	19	5.9	0
30/11/2022 11:20	4.6	298	13	6.5	0
30/11/2022 11:30	4.6	290	16	6.2	0
30/11/2022 11:40	4.6	280	20	6.5	0
30/11/2022 11:50	4.5	294	14	6.1	0
30/11/2022 12:00	4.7	294	14	6.2	0
30/11/2022 12:10	5.5	295	11	7.2	0
30/11/2022 12:20	5.5	299	10	7.4	0
30/11/2022 12:30	5.4	293	13	6.8	0
30/11/2022 12:40	4.9	296	14	6.3	0
30/11/2022 12:50	5.1	296	11	6.5	0
30/11/2022 13:00	5.5	298	9	6.7	0
30/11/2022 13:10	5.7	288	13	7.4	0
30/11/2022 13:20	5.7	301	11	7.5	0
30/11/2022 13:30	5.8	297	14	7.9	0
30/11/2022 13:40	5.9	298	13	7.5	0
30/11/2022 13:50	5.4	294	16	7	0
30/11/2022 14:00	5.5	302	13	7.6	0
30/11/2022 14:10	5.7	296	12	7.9	0
30/11/2022 14:20	5.4	294	14	7.3	0
30/11/2022 14:30	5.5	293	12	7.2	0
30/11/2022 14:40	5.5	294	13	7.2	0
30/11/2022 14:50	5.7	295	14	7.5	0
30/11/2022 15:00	5.8	299	11	7.3	0
30/11/2022 15:10	5.8	300	10	7.5	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/11/2022 15:20	5.8	298	11	7.9	0
30/11/2022 15:30	5.7	297	14	7.6	0
30/11/2022 15:40	6	293	13	7.9	0
30/11/2022 15:50	5.7	296	12	7.6	0
30/11/2022 16:00	5.3	296	15	6.9	0
30/11/2022 16:10	5.3	303	11	7	0
30/11/2022 16:20	5.1	296	15	6.9	0
30/11/2022 16:30	5.2	300	14	6.8	0
30/11/2022 16:40	5.4	300	10	6.8	0
30/11/2022 16:50	5.7	296	13	7.2	0
30/11/2022 17:00	5.3	300	11	6.8	0
30/11/2022 17:10	5.6	300	12	7.2	0
30/11/2022 17:20	5.3	301	10	7.3	0
30/11/2022 17:30	5.1	299	14	6.8	0
30/11/2022 17:40	5.5	298	12	7	0
30/11/2022 17:50	5	299	12	6.8	0
30/11/2022 18:00	5	296	12	7.3	0
30/11/2022 18:10	4.8	294	12	6.6	0
30/11/2022 18:20	5.1	288	15	6.8	0
30/11/2022 18:30	5	294	14	7.4	0
30/11/2022 18:40	5	296	12	6.9	0
30/11/2022 18:50	4.1	287	15	5.8	0
30/11/2022 19:00	4.2	291	13	6.1	0
30/11/2022 19:10	4.4	273	17	6.2	0
30/11/2022 19:20	4.4	271	13	6.2	0
30/11/2022 19:30	4.7	267	12	6.6	0
30/11/2022 19:40	4.9	263	11	6.3	0
30/11/2022 19:50	5.4	263	10	7.5	0
30/11/2022 20:00	5.8	260	9	7.9	0
30/11/2022 20:10	4.9	261	11	6.4	0
30/11/2022 20:20	5.4	263	8	7.3	0
30/11/2022 20:30	5.2	262	10	6.8	0
30/11/2022 20:40	5	262	10	6.2	0
30/11/2022 20:50	5.2	264	10	6.8	0
30/11/2022 21:00	5.2	264	11	6.7	0
30/11/2022 21:10	5	262	10	6.4	0
30/11/2022 21:20	5	259	11	6.4	0
30/11/2022 21:30	5.1	266	9	6.6	0
30/11/2022 21:40	4.5	262	10	5.5	0
30/11/2022 21:50	4.4	264	8	5.5	0
30/11/2022 22:00	3.9	259	11	5.2	0
30/11/2022 22:10	3.8	261	10	5.6	0
30/11/2022 22:20	4.2	262	11	5.4	0
30/11/2022 22:30	4.2	265	8	5.3	0
30/11/2022 22:40	4.2	258	11	5.5	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/11/2022 22:50	4.4	258	13	5.7	0
30/11/2022 23:00	4.6	262	10	5.8	0
30/11/2022 23:10	4.8	260	9	6.9	0
30/11/2022 23:20	4.9	261	10	6.4	0
30/11/2022 23:30	4.5	260	11	5.9	0
30/11/2022 23:40	4.6	261	11	6	0
30/11/2022 23:50	4.8	262	10	6.2	0
01/12/2022 00:00	5	261	11	6.3	0
01/12/2022 00:10	4.6	264	10	6.3	0
01/12/2022 00:20	4.7	258	9	6.3	0
01/12/2022 00:30	4.8	255	12	6.3	0
01/12/2022 00:40	5.3	253	10	6.8	0
01/12/2022 00:50	5.1	253	10	6.7	0
01/12/2022 01:00	4.5	256	10	5.8	0
01/12/2022 01:10	4.5	261	12	6.1	0
01/12/2022 01:20	4.5	255	10	6.2	0
01/12/2022 01:30	5	255	11	6.6	0
01/12/2022 01:40	4.5	254	11	6.2	0
01/12/2022 01:50	4.4	253	11	6.3	0
01/12/2022 02:00	4.5	250	11	6	0
01/12/2022 02:10	4.3	252	10	5.8	0
01/12/2022 02:20	3.9	241	13	5.2	0
01/12/2022 02:30	3.5	239	13	4.8	0
01/12/2022 02:40	3.8	246	12	5.5	0
01/12/2022 02:50	3.9	242	12	5.2	0
01/12/2022 03:00	3.6	248	13	5.2	0
01/12/2022 03:10	3.7	249	11	4.8	0
01/12/2022 03:20	3.4	250	12	4.5	0
01/12/2022 03:30	3.2	256	12	4.4	0
01/12/2022 03:40	4	256	10	4.8	0
01/12/2022 03:50	3.7	255	11	5.2	0
01/12/2022 04:00	4	255	11	5.2	0
01/12/2022 04:10	3.7	254	12	5.5	0
01/12/2022 04:20	4	250	12	5.2	0
01/12/2022 04:30	3	255	11	4.4	0
01/12/2022 04:40	4.3	255	11	5.7	0
01/12/2022 04:50	4.4	252	12	5.9	0
01/12/2022 05:00	3.7	249	14	4.7	0
01/12/2022 05:10	3.6	250	11	5.1	0
01/12/2022 05:20	3.6	257	8	4.7	0
01/12/2022 05:30	3.4	257	11	4.6	0
01/12/2022 05:40	4.1	257	9	5.2	0
01/12/2022 05:50	3.7	263	9	4.7	0
01/12/2022 06:00	3.6	261	9	4.7	0
01/12/2022 06:10	3.8	260	9	4.9	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/12/2022 06:20	3.7	258	11	5	0
01/12/2022 06:30	4	265	10	4.8	0
01/12/2022 06:40	3.4	264	11	4.7	0
01/12/2022 06:50	3.8	262	10	4.7	0
01/12/2022 07:00	3.6	263	10	4.8	0
01/12/2022 07:10	3.8	263	10	5	0
01/12/2022 07:20	4.2	260	11	5.2	0
01/12/2022 07:30	4.1	257	11	5.6	0
01/12/2022 07:40	4	261	13	5.6	0
01/12/2022 07:50	4.2	255	12	5.5	0
01/12/2022 08:00	4.8	256	11	6	0
01/12/2022 08:10	4.3	263	13	5.7	0
01/12/2022 08:20	4.8	263	11	6	0
01/12/2022 08:30	4.4	263	12	5.5	0
01/12/2022 08:40	4.3	267	14	5.9	0
01/12/2022 08:50	4.3	264	12	5.4	0
01/12/2022 09:00	4.5	264	13	5.6	0
01/12/2022 09:10	4.5	272	15	5.9	0
01/12/2022 09:20	4.9	272	14	6.2	0
01/12/2022 09:30	4.8	272	15	6.2	0
01/12/2022 09:40	5	274	12	6.4	0
01/12/2022 09:50	4.5	274	15	5.9	0
01/12/2022 10:00	4.9	296	11	6	0
01/12/2022 10:10	4.7	300	11	6.1	0
01/12/2022 10:20	3.9	295	15	4.9	0
01/12/2022 10:30	3.8	293	20	5.3	0
01/12/2022 10:40	4	303	14	5.5	0
01/12/2022 10:50	4.2	296	13	6	0
01/12/2022 11:00	4.1	295	13	5.7	0
01/12/2022 11:10	4.2	297	11	6	0
01/12/2022 11:20	4	300	15	5.5	0
01/12/2022 11:30	4.8	273	17	6.8	0
01/12/2022 11:40	4.4	271	19	6	0
01/12/2022 11:50	5.2	262	13	7.3	0
01/12/2022 12:00	5.6	256	11	7.5	0
01/12/2022 12:10	5.7	256	13	8	0
01/12/2022 12:20	6.1	253	11	7.8	0
01/12/2022 12:30	6.6	259	10	8.7	0
01/12/2022 12:40	6.7	257	10	8.3	0
01/12/2022 12:50	5.9	266	15	7.6	0
01/12/2022 13:00	6.3	264	13	8.4	0
01/12/2022 13:10	7.4	263	11	9.5	0
01/12/2022 13:20	6.6	260	13	8.4	0
01/12/2022 13:30	4.6	295	16	6.5	0
01/12/2022 13:40	5.4	299	15	7.3	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/12/2022 13:50	6.4	300	12	8.3	0
01/12/2022 14:00	6.1	300	14	8.1	0
01/12/2022 14:10	6.4	297	14	8.3	0
01/12/2022 14:20	6	293	12	7.7	0
01/12/2022 14:30	6.1	297	10	8	0
01/12/2022 14:40	6.3	300	11	7.8	0
01/12/2022 14:50	6.4	297	11	8.7	0
01/12/2022 15:00	6.5	299	9	8.6	0
01/12/2022 15:10	6.5	297	11	8.4	0
01/12/2022 15:20	6.3	299	10	8.3	0
01/12/2022 15:30	6	300	12	7.8	0
01/12/2022 15:40	6.2	299	10	8.1	0
01/12/2022 15:50	6.2	297	10	8.2	0
01/12/2022 16:00	5.8	295	11	7.9	0
01/12/2022 16:10	5.7	295	11	7.6	0
01/12/2022 16:20	6	298	12	7.9	0
01/12/2022 16:30	5.9	298	10	7.5	0
01/12/2022 16:40	5.8	297	10	7.4	0
01/12/2022 16:50	5.5	297	11	7.1	0
01/12/2022 17:00	5.6	298	11	7	0
01/12/2022 17:10	5.6	290	13	7.5	0
01/12/2022 17:20	5.2	282	16	7.5	0
01/12/2022 17:30	5.4	277	13	7.2	0
01/12/2022 17:40	5.8	265	11	7.6	0
01/12/2022 17:50	5.6	261	11	7.7	0
01/12/2022 18:00	6.6	260	9	8.6	0
01/12/2022 18:10	5.8	262	12	8	0
01/12/2022 18:20	5.9	261	11	8	0
01/12/2022 18:30	6.3	261	12	8.3	0
01/12/2022 18:40	5.8	268	13	7.9	0
01/12/2022 18:50	6.9	265	10	8.8	0
01/12/2022 19:00	6.6	267	12	8.4	0
01/12/2022 19:10	6.4	265	11	8	0
01/12/2022 19:20	6.6	264	11	8.2	0
01/12/2022 19:30	5.6	266	11	7.7	0
01/12/2022 19:40	5.6	264	12	7.9	0
01/12/2022 19:50	5.8	261	10	7.7	0
01/12/2022 20:00	6.4	264	9	8	0
01/12/2022 20:10	5.4	265	10	7.2	0
01/12/2022 20:20	5.5	261	11	7.5	0
01/12/2022 20:30	5.3	263	9	6.9	0
01/12/2022 20:40	5.6	264	11	7.5	0
01/12/2022 20:50	5.3	262	10	6.9	0
01/12/2022 21:00	6.2	261	11	8.2	0
01/12/2022 21:10	5.6	262	9	7.5	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/12/2022 21:20	5.3	263	10	7.2	0
01/12/2022 21:30	5.4	262	10	7.6	0
01/12/2022 21:40	5.7	261	11	7.3	0
01/12/2022 21:50	5.9	261	11	8.2	0
01/12/2022 22:00	5.5	262	10	7.9	0
01/12/2022 22:10	6	265	9	8.5	0
01/12/2022 22:20	5.9	263	10	7.8	0
01/12/2022 22:30	5.8	262	8	7.9	0
01/12/2022 22:40	6.3	260	9	7.9	0
01/12/2022 22:50	5.5	260	9	7.4	0
01/12/2022 23:00	5.1	257	12	7.6	0
01/12/2022 23:10	4.9	258	12	6.6	0
01/12/2022 23:20	5.5	258	11	7.2	0
01/12/2022 23:30	4.8	255	11	7	0
01/12/2022 23:40	5.2	250	12	7.2	0
01/12/2022 23:50	5.3	256	11	6.8	0
02/12/2022 00:00	5	257	12	6.8	0
02/12/2022 00:10	5.2	256	10	7.9	0
02/12/2022 00:20	5.2	257	12	7.4	0
02/12/2022 00:30	5.3	254	12	7.5	0
02/12/2022 00:40	4.3	255	10	6.4	0
02/12/2022 00:50	3.5	257	12	5.2	0
02/12/2022 01:00	3.9	254	13	5.6	0
02/12/2022 01:10	4.4	255	13	5.8	0
02/12/2022 01:20	3.8	254	12	5.1	0
02/12/2022 01:30	3.6	247	12	5.2	0
02/12/2022 01:40	2.9	242	11	4	0
02/12/2022 01:50	3.2	246	13	4.8	0
02/12/2022 02:00	3.7	249	13	5.2	0
02/12/2022 02:10	3.9	256	12	5.2	0
02/12/2022 02:20	3.8	258	12	5.2	0
02/12/2022 02:30	3.3	253	12	4.8	0
02/12/2022 02:40	3.7	256	11	5.1	0
02/12/2022 02:50	4	262	10	5.7	0
02/12/2022 03:00	4.1	258	10	5.6	0
02/12/2022 03:10	4.4	256	10	5.9	0
02/12/2022 03:20	4.9	255	11	6.4	0
02/12/2022 03:30	3.8	255	10	5.7	0
02/12/2022 03:40	4.5	258	11	5.9	0
02/12/2022 03:50	4.1	255	12	5.7	0
02/12/2022 04:00	4.1	253	13	6.2	0
02/12/2022 04:10	3.2	252	15	4.9	0
02/12/2022 04:20	3.2	244	12	4.4	0
02/12/2022 04:30	3.1	245	12	4.5	0
02/12/2022 04:40	2.7	242	12	4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/12/2022 04:50	3.4	250	13	5.1	0
02/12/2022 05:00	4.7	253	12	6.4	0
02/12/2022 05:10	5	254	9	6.5	0
02/12/2022 05:20	4.4	259	10	5.9	0
02/12/2022 05:30	4.7	258	10	6.7	0
02/12/2022 05:40	5.2	256	10	7.1	0
02/12/2022 05:50	4.9	256	10	6.6	0
02/12/2022 06:00	5	255	10	6.6	0
02/12/2022 06:10	4	252	13	5.7	0
02/12/2022 06:20	4.5	256	11	5.8	0
02/12/2022 06:30	4.7	255	11	6.4	0
02/12/2022 06:40	4.7	249	11	6.1	0
02/12/2022 06:50	4.6	251	11	5.5	0
02/12/2022 07:00	4.6	257	14	6.4	0
02/12/2022 07:10	4.3	257	11	6	0
02/12/2022 07:20	5	260	11	6.6	0
02/12/2022 07:30	5.7	263	8	7.2	0
02/12/2022 07:40	6.1	265	10	8.1	0
02/12/2022 07:50	5.3	268	11	6.9	0
02/12/2022 08:00	5.3	263	11	6.6	0
02/12/2022 08:10	5.5	262	11	6.9	0
02/12/2022 08:20	5.4	270	13	7	0
02/12/2022 08:30	5.8	264	13	7.7	0
02/12/2022 08:40	5.9	260	11	7.6	0
02/12/2022 08:50	6.5	265	11	8.5	0
02/12/2022 09:00	5.9	264	12	8.1	0
02/12/2022 09:10	6.1	267	13	8	0
02/12/2022 09:20	6	267	14	8.6	0
02/12/2022 09:30	5.5	261	12	7.5	0
02/12/2022 09:40	6.2	263	13	8.5	0
02/12/2022 09:50	6.8	260	11	8.8	0
02/12/2022 10:00	6.9	264	12	8.8	0
02/12/2022 10:10	6.3	267	16	8.4	0
02/12/2022 10:20	7.2	261	11	9.1	0
02/12/2022 10:30	6.6	264	13	8.9	0
02/12/2022 10:40	6.8	264	11	8.9	0
02/12/2022 10:50	6.9	265	14	9.1	0
02/12/2022 11:00	6.4	270	13	8.4	0
02/12/2022 11:10	6.9	265	13	9.1	0
02/12/2022 11:20	6.7	264	13	8.7	0
02/12/2022 11:30	7	260	10	8.9	0
02/12/2022 11:40	6.4	264	14	8.9	0
02/12/2022 11:50	6.7	264	11	8.4	0
02/12/2022 12:00	7	266	12	9.1	0
02/12/2022 12:10	6.7	267	14	9.1	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/12/2022 12:20	6.8	269	12	8.8	0
02/12/2022 12:30	6.8	272	12	9	0
02/12/2022 12:40	6.4	271	15	8.1	0
02/12/2022 12:50	7.1	257	11	8.8	0
02/12/2022 13:00	6.6	258	14	8.3	0
02/12/2022 13:10	6.8	259	11	8.8	0
02/12/2022 13:20	6.6	262	11	8.8	0
02/12/2022 13:30	7.1	260	11	9.5	0
02/12/2022 13:40	6.8	260	13	9.5	0
02/12/2022 13:50	7.8	262	10	10	0
02/12/2022 14:00	7.4	263	14	9.5	0
02/12/2022 14:10	7.5	267	12	9.3	0
02/12/2022 14:20	6.7	261	12	8.8	0
02/12/2022 14:30	6.9	259	12	9.1	0
02/12/2022 14:40	7.3	263	12	9.9	0
02/12/2022 14:50	7.5	264	13	9.3	0
02/12/2022 15:00	7.5	269	15	9.9	0
02/12/2022 15:10	7.3	262	12	9.9	0
02/12/2022 15:20	7.5	262	11	9.6	0
02/12/2022 15:30	7.7	264	10	9.5	0
02/12/2022 15:40	7.9	261	11	10.6	0
02/12/2022 15:50	7.9	260	10	10.2	0
02/12/2022 16:00	7.7	260	11	10.1	0
02/12/2022 16:10	7.4	263	11	9.5	0
02/12/2022 16:20	7.6	264	11	9.8	0
02/12/2022 16:30	7.4	262	9	9.5	0
02/12/2022 16:40	7.1	260	11	9.2	0
02/12/2022 16:50	6.5	259	11	8.6	0
02/12/2022 17:00	6.5	264	11	8.9	0
02/12/2022 17:10	6.9	261	11	9.1	0
02/12/2022 17:20	6.4	262	10	7.9	0
02/12/2022 17:30	6.2	261	11	8.3	0
02/12/2022 17:40	5.6	262	13	7.3	0
02/12/2022 17:50	6.2	263	10	7.9	0
02/12/2022 18:00	5.9	261	9	8	0
02/12/2022 18:10	5.9	262	10	7.5	0
02/12/2022 18:20	6	262	11	7.9	0
02/12/2022 18:30	6.2	257	11	8.6	0
02/12/2022 18:40	7.2	263	9	10	0
02/12/2022 18:50	6.3	267	10	8	0
02/12/2022 19:00	5.9	263	11	7.5	0
02/12/2022 19:10	6.3	263	9	8.2	0
02/12/2022 19:20	6.1	264	11	8	0
02/12/2022 19:30	6.4	264	11	8.3	0
02/12/2022 19:40	6.1	263	9	8.1	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/12/2022 19:50	5.9	264	10	7.8	0
02/12/2022 20:00	6	265	10	7.8	0
02/12/2022 20:10	6	264	11	7.4	0
02/12/2022 20:20	5.7	265	11	7.7	0
02/12/2022 20:30	5.9	264	10	7.5	0
02/12/2022 20:40	5.3	267	12	7.2	0
02/12/2022 20:50	5.5	263	10	7.9	0
02/12/2022 21:00	6.1	264	11	8	0
02/12/2022 21:10	6.2	266	9	7.7	0
02/12/2022 21:20	5.6	265	9	7.2	0
02/12/2022 21:30	6.3	264	11	8	0
02/12/2022 21:40	6.1	263	10	7.9	0
02/12/2022 21:50	5.9	263	10	7.5	0
02/12/2022 22:00	5.9	264	9	7.9	0
02/12/2022 22:10	5.7	264	12	7.2	0
02/12/2022 22:20	6.3	263	10	8.3	0
02/12/2022 22:30	5.7	263	9	7.6	0
02/12/2022 22:40	5.4	264	11	7.2	0
02/12/2022 22:50	5.9	267	8	7.5	0
02/12/2022 23:00	5.6	264	10	7.5	0
02/12/2022 23:10	5.1	260	11	6.7	0
02/12/2022 23:20	5.9	257	11	8.1	0
02/12/2022 23:30	6	255	11	8.1	0
02/12/2022 23:40	6.2	253	11	8.5	0
02/12/2022 23:50	6.1	254	10	7.9	0
03/12/2022 00:00	5.9	256	11	7.9	0
03/12/2022 00:10	5.9	253	11	8.2	0
03/12/2022 00:20	5.2	257	10	7	0
03/12/2022 00:30	5.3	258	11	7.3	0
03/12/2022 00:40	5.2	257	10	7.2	0
03/12/2022 00:50	4.9	255	12	6.9	0
03/12/2022 01:00	5	258	10	7	0
03/12/2022 01:10	3.8	253	13	5.6	0
03/12/2022 01:20	3.5	246	14	5.7	0
03/12/2022 01:30	3.9	249	14	5.4	0
03/12/2022 01:40	3.6	252	13	5.1	0
03/12/2022 01:50	3.7	248	12	5.4	0
03/12/2022 02:00	3.6	244	13	5	0
03/12/2022 02:10	3.5	240	14	5.2	0
03/12/2022 02:20	3.4	243	14	4.4	0
03/12/2022 02:30	3.3	237	14	5.6	0
03/12/2022 02:40	3.5	243	16	5.2	0
03/12/2022 02:50	3	239	15	4.5	0
03/12/2022 03:00	3.4	244	14	4.9	0
03/12/2022 03:10	2.7	253	14	4.1	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/12/2022 03:20	3	256	12	3.9	0
03/12/2022 03:30	3.7	259	11	5.4	0
03/12/2022 03:40	3.9	256	10	5.3	0
03/12/2022 03:50	3.6	260	8	4.6	0
03/12/2022 04:00	3.9	262	9	4.8	0
03/12/2022 04:10	4.3	263	9	5.6	0
03/12/2022 04:20	4	263	8	4.9	0
03/12/2022 04:30	4.7	263	9	6	0
03/12/2022 04:40	5	262	8	6.4	0
03/12/2022 04:50	5	263	8	6.6	0
03/12/2022 05:00	4.9	263	8	6.7	0
03/12/2022 05:10	4.9	262	8	6.9	0
03/12/2022 05:20	4.9	265	9	6	0
03/12/2022 05:30	4.7	263	8	5.9	0
03/12/2022 05:40	4.8	260	9	6.4	0
03/12/2022 05:50	5.4	263	8	7.5	0
03/12/2022 06:00	5.1	262	9	6.5	0
03/12/2022 06:10	4.8	262	10	5.9	0
03/12/2022 06:20	4.5	257	9	6.1	0
03/12/2022 06:30	4.8	260	11	6.3	0
03/12/2022 06:40	4.8	260	12	6.5	0
03/12/2022 06:50	4.3	259	12	5.7	0
03/12/2022 07:00	4.1	257	12	5.2	0
03/12/2022 07:10	4.1	254	13	5.8	0
03/12/2022 07:20	4.6	250	14	6.2	0
03/12/2022 07:30	4.4	256	13	6.3	0
03/12/2022 07:40	5.1	255	12	6.7	0
03/12/2022 07:50	4.8	257	11	6.7	0
03/12/2022 08:00	5.3	256	12	7.1	0
03/12/2022 08:10	5	261	12	6.5	0
03/12/2022 08:20	5.7	260	12	7	0
03/12/2022 08:30	5.3	258	13	6.6	0
03/12/2022 08:40	5.4	263	13	6.9	0
03/12/2022 08:50	5.6	264	12	7.5	0
03/12/2022 09:00	5.8	261	13	7.5	0
03/12/2022 09:10	5.5	260	12	7.8	0
03/12/2022 09:20	5.7	262	12	7.7	0
03/12/2022 09:30	6.6	264	10	8.4	0
03/12/2022 09:40	6.4	262	10	8.3	0
03/12/2022 09:50	6.8	262	11	8.6	0
03/12/2022 10:00	6.1	260	11	7.9	0
03/12/2022 10:10	6	272	15	8	0
03/12/2022 10:20	5.9	269	15	7.7	0
03/12/2022 10:30	6.1	263	11	7.9	0
03/12/2022 10:40	5.5	272	14	7.3	0



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/12/2022 10:50	6.4	268	14	8.5	0
03/12/2022 11:00	6.1	270	15	7.7	0
03/12/2022 11:10	5.6	274	14	7.7	0
03/12/2022 11:20	5.8	271	13	7.4	0
03/12/2022 11:30	6.3	265	10	7.9	0
03/12/2022 11:40	6	263	14	7.9	0
03/12/2022 11:50	6.2	266	12	8.3	0
03/12/2022 12:00	5.8	265	14	7.5	0
03/12/2022 12:10	6.1	262	14	8.3	0
03/12/2022 12:20	6.5	263	11	8.5	0
03/12/2022 12:30	6.2	260	13	8	0
03/12/2022 12:40	6.2	268	14	8.3	0
03/12/2022 12:50	7	262	13	9.6	0
03/12/2022 13:00	7.8	263	11	9.7	0
03/12/2022 13:10	7	262	11	9	0
03/12/2022 13:20	6.7	260	9	9	0
03/12/2022 13:30	6.9	268	12	9.5	0
03/12/2022 13:40	7.4	262	10	9.5	0
03/12/2022 13:50	7.5	263	10	9.3	0
03/12/2022 14:00	7.9	264	9	10.3	0
03/12/2022 14:10	7.6	267	13	9.8	0
03/12/2022 14:20	7.4	264	11	9.6	0
03/12/2022 14:30	7.9	260	11	10.3	0
03/12/2022 14:40	7.3	260	11	9.5	0
03/12/2022 14:50	6.7	265	12	8.7	0
03/12/2022 15:00	6.4	259	12	8.4	0
03/12/2022 15:10	6.9	262	11	8.7	0
03/12/2022 15:20	6.7	261	14	9.2	0
03/12/2022 15:30	7.4	261	11	10.1	0
03/12/2022 15:40	8	265	10	10.7	0
03/12/2022 15:50	7.9	265	11	10.5	0
03/12/2022 16:00	7.8	260	11	10.3	0
03/12/2022 16:10	6.3	264	11	8.7	0
03/12/2022 16:20	6.7	260	14	9.1	0
03/12/2022 16:30	7	261	11	9.1	0
03/12/2022 16:40	6.6	258	12	8.6	0
03/12/2022 16:50	6.6	259	13	9.6	0
03/12/2022 17:00	6.7	255	12	9.2	0
03/12/2022 17:10	6.5	257	12	9	0
03/12/2022 17:20	7.2	265	12	9.6	0
03/12/2022 17:30	6.9	258	12	9	0
03/12/2022 17:40	6.7	261	10	9.5	0
03/12/2022 17:50	7.2	263	10	9.4	0
03/12/2022 18:00	6.9	265	11	8.6	0
03/12/2022 18:10	6.4	260	11	8.6	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/12/2022 18:20	6.7	262	11	9	0
03/12/2022 18:30	6.5	263	11	9.1	0
03/12/2022 18:40	6.4	262	10	9	0
03/12/2022 18:50	6.6	260	10	9.1	0
03/12/2022 19:00	6.6	262	10	8.7	0
03/12/2022 19:10	6.2	264	10	9	0
03/12/2022 19:20	6.6	262	11	8.7	0
03/12/2022 19:30	6.3	265	11	8.3	0
03/12/2022 19:40	6.3	261	9	8.3	0
03/12/2022 19:50	6.4	263	10	8	0
03/12/2022 20:00	6.3	265	9	8.3	0
03/12/2022 20:10	6.1	260	11	7.9	0
03/12/2022 20:20	5.8	262	10	8.1	0
03/12/2022 20:30	6	264	9	8.3	0
03/12/2022 20:40	5.6	262	11	7.4	0
03/12/2022 20:50	5.6	262	12	7.9	0
03/12/2022 21:00	5.7	261	10	7.9	0
03/12/2022 21:10	6.3	258	10	8.3	0
03/12/2022 21:20	6	263	11	7.5	0
03/12/2022 21:30	5.7	264	10	7	0
03/12/2022 21:40	5.9	262	10	7.5	0
03/12/2022 21:50	5.9	262	11	7.5	0
03/12/2022 22:00	5.8	261	11	7.9	0
03/12/2022 22:10	5.7	263	10	7.5	0
03/12/2022 22:20	5.8	259	12	8.1	0
03/12/2022 22:30	4.7	259	11	6.8	0
03/12/2022 22:40	5.8	255	11	8	0
03/12/2022 22:50	5.5	257	12	7.1	0
03/12/2022 23:00	5.5	254	11	7.5	0
03/12/2022 23:10	5.2	256	11	7.3	0
03/12/2022 23:20	5.4	255	11	7.3	0
03/12/2022 23:30	6	255	11	7.6	0
03/12/2022 23:40	5.4	260	12	7.4	0
03/12/2022 23:50	5.3	259	12	7.2	0
04/12/2022 00:00	5.3	260	11	7.2	0
04/12/2022 00:10	5.1	255	11	7.5	0
04/12/2022 00:20	4.8	258	11	6.8	0
04/12/2022 00:30	4.9	254	10	6.4	0
04/12/2022 00:40	5.2	258	12	6.5	0
04/12/2022 00:50	5.2	258	12	7.7	0
04/12/2022 01:00	4.9	258	10	6.7	0
04/12/2022 01:10	5.4	253	10	7.7	0
04/12/2022 01:20	5.1	255	12	7.1	0
04/12/2022 01:30	5.1	257	11	6.8	0
04/12/2022 01:40	4.6	258	11	6.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/12/2022 01:50	4.4	254	12	6.4	0
04/12/2022 02:00	5.1	258	11	7	0
04/12/2022 02:10	4.3	253	10	6.3	0
04/12/2022 02:20	4.1	252	13	5.6	0
04/12/2022 02:30	4.2	253	13	6	0
04/12/2022 02:40	4.6	251	12	6.6	0
04/12/2022 02:50	4	243	11	5.9	0
04/12/2022 03:00	3.7	246	12	5.5	0
04/12/2022 03:10	3.8	247	13	5.4	0
04/12/2022 03:20	4	249	12	5.6	0
04/12/2022 03:30	3.7	244	13	5.2	0
04/12/2022 03:40	3.8	246	12	5.7	0
04/12/2022 03:50	3.9	248	12	6	0
04/12/2022 04:00	3.4	250	11	4.7	0
04/12/2022 04:10	3.6	258	10	5	0
04/12/2022 04:20	3.6	259	9	4.8	0
04/12/2022 04:30	4.1	260	9	5	0
04/12/2022 04:40	3.6	260	9	4.6	0
04/12/2022 04:50	3.5	261	9	4.4	0
04/12/2022 05:00	3.9	264	8	5	0
04/12/2022 05:10	3.8	261	9	4.8	0
04/12/2022 05:20	3.9	258	9	5.4	0
04/12/2022 05:30	3.4	263	8	4.3	0
04/12/2022 05:40	3.6	261	10	4.8	0
04/12/2022 05:50	3.8	259	9	4.8	0
04/12/2022 06:00	3.3	255	11	4.4	0
04/12/2022 06:10	2.8	251	11	4	0
04/12/2022 06:20	2.9	259	11	3.7	0
04/12/2022 06:30	3.5	254	11	4.8	0
04/12/2022 06:40	3.3	254	11	4.4	0
04/12/2022 06:50	3.3	238	11	4.4	0
04/12/2022 07:00	3.4	243	11	4.3	0
04/12/2022 07:10	3.1	245	13	4.6	0
04/12/2022 07:20	3.5	250	15	4.5	0
04/12/2022 07:30	3.3	253	12	4.5	0
04/12/2022 07:40	3.5	261	12	4.5	0
04/12/2022 07:50	3.5	257	14	4.4	0
04/12/2022 08:00	3.5	264	14	4.4	0
04/12/2022 08:10	3.4	266	11	4.5	0
04/12/2022 08:20	3.6	251	13	4.6	0
04/12/2022 08:30	4.6	261	11	5.6	0
04/12/2022 08:40	4.8	265	10	6.1	0
04/12/2022 08:50	5.1	270	14	6.3	0
04/12/2022 09:00	5.2	267	13	6.5	0
04/12/2022 09:10	5.7	265	10	7.3	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/12/2022 09:20	5.4	264	13	7.3	0
04/12/2022 09:30	5.2	264	10	6.8	0
04/12/2022 09:40	5.3	270	13	7.1	0
04/12/2022 09:50	6	264	11	7.5	0
04/12/2022 10:00	6.4	264	10	8.3	0
04/12/2022 10:10	6.4	266	12	8.1	0
04/12/2022 10:20	6.4	260	9	7.8	0
04/12/2022 10:30	5.4	264	14	7.4	0
04/12/2022 10:40	5.1	268	14	7.1	0
04/12/2022 10:50	5.6	256	13	7.3	0
04/12/2022 11:00	5.8	269	14	7.7	0
04/12/2022 11:10	5.9	267	14	7.8	0
04/12/2022 11:20	6	265	12	7.9	0
04/12/2022 11:30	7	262	11	9.1	0
04/12/2022 11:40	6.8	263	12	8.8	0
04/12/2022 11:50	6.3	269	15	7.9	0
04/12/2022 12:00	6.2	268	15	8.7	0
04/12/2022 12:10	7	263	11	8.9	0
04/12/2022 12:20	5.5	253	13	7.4	0
04/12/2022 12:30	6.2	262	13	8	0
04/12/2022 12:40	6.1	268	13	8.2	0
04/12/2022 12:50	6.5	270	15	8.3	0
04/12/2022 13:00	6.6	269	13	8.8	0
04/12/2022 13:10	6.8	269	13	8.7	0
04/12/2022 13:20	7	260	11	9.2	0
04/12/2022 13:30	6.7	264	15	9.5	0
04/12/2022 13:40	7.8	262	10	9.6	0
04/12/2022 13:50	6.9	259	11	9	0
04/12/2022 14:00	6.6	268	11	9.2	0
04/12/2022 14:10	5.4	264	15	7.2	0
04/12/2022 14:20	6.6	263	11	9.2	0
04/12/2022 14:30	7	267	12	9.3	0
04/12/2022 14:40	8.1	263	11	10.1	0
04/12/2022 14:50	7.3	261	12	9.3	0
04/12/2022 15:00	7.3	263	12	9.4	0
04/12/2022 15:10	8	265	10	10.3	0
04/12/2022 15:20	7.7	263	10	9.9	0
04/12/2022 15:30	7.3	260	12	9.5	0
04/12/2022 15:40	7.6	263	11	10.2	0
04/12/2022 15:50	8.9	265	9	10.6	0
04/12/2022 16:00	8.4	266	12	10.7	0
04/12/2022 16:10	8	267	12	10.5	0
04/12/2022 16:20	8.1	267	11	10.4	0
04/12/2022 16:30	7.8	265	11	10.4	0
04/12/2022 16:40	7.6	262	12	10.5	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/12/2022 16:50	7.8	261	9	10	0
04/12/2022 17:00	6.9	256	12	9.9	0
04/12/2022 17:10	6.1	247	14	8.1	0
04/12/2022 17:20	6.3	259	13	8.5	0
04/12/2022 17:30	6	266	11	8.3	0
04/12/2022 17:40	6.6	265	10	8.9	0
04/12/2022 17:50	5.6	259	12	7.5	0
04/12/2022 18:00	5.9	259	11	8.3	0
04/12/2022 18:10	5.6	259	12	7.8	0
04/12/2022 18:20	5.4	258	11	8.2	0
04/12/2022 18:30	5.2	254	12	7	0
04/12/2022 18:40	5.5	256	12	7.3	0
04/12/2022 18:50	5.6	256	12	7.5	0
04/12/2022 19:00	5.9	254	11	8.1	0
04/12/2022 19:10	6.1	256	11	8.1	0
04/12/2022 19:20	6.6	255	11	9	0
04/12/2022 19:30	5.6	255	12	8.1	0
04/12/2022 19:40	5.7	255	12	7.6	0
04/12/2022 19:50	5.7	255	12	7.6	0
04/12/2022 20:00	5.7	256	11	7.6	0
04/12/2022 20:10	5.9	256	12	7.7	0
04/12/2022 20:20	5.9	256	11	8.3	0
04/12/2022 20:30	5.3	259	11	6.8	0
04/12/2022 20:40	5.7	257	11	7.5	0
04/12/2022 20:50	5.2	255	10	7.3	0
04/12/2022 21:00	5.4	256	11	7.4	0
04/12/2022 21:10	5.5	257	10	7.4	0
04/12/2022 21:20	5.3	255	13	7.3	0
04/12/2022 21:30	5.6	256	9	7.7	0
04/12/2022 21:40	5.5	256	10	7	0
04/12/2022 21:50	5.5	256	11	7.2	0
04/12/2022 22:00	4.7	254	12	6.2	0
04/12/2022 22:10	4.8	250	13	6.8	0
04/12/2022 22:20	4.4	249	11	6	0
04/12/2022 22:30	4	248	12	5.2	0
04/12/2022 22:40	4.5	251	12	6	0
04/12/2022 22:50	4.5	244	14	7.1	0
04/12/2022 23:00	4.1	239	12	5.3	0
04/12/2022 23:10	4.2	241	13	5.7	0
04/12/2022 23:20	3.5	250	12	4.9	0
04/12/2022 23:30	3.6	252	12	5.3	0
04/12/2022 23:40	3.7	249	11	5.6	0
04/12/2022 23:50	3.5	254	10	4.7	0
05/12/2022 00:00	3.6	255	11	5.2	0
05/12/2022 00:10	3.4	250	13	4.7	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/12/2022 00:20	3.5	254	11	4.6	0
05/12/2022 00:30	3.1	254	11	4.4	0
05/12/2022 00:40	3.5	259	10	4.6	0
05/12/2022 00:50	3.6	257	9	4.7	0
05/12/2022 01:00	3.7	258	11	4.8	0
05/12/2022 01:10	3.4	261	9	4.3	0
05/12/2022 01:20	2.5	258	10	3.5	0
05/12/2022 01:30	2.5	248	12	3.6	0
05/12/2022 01:40	3.2	242	13	4.8	0
05/12/2022 01:50	2.9	240	12	3.9	0
05/12/2022 02:00	3	239	15	4.3	0
05/12/2022 02:10	3.2	240	12	4.4	0
05/12/2022 02:20	3.4	245	13	4.8	0
05/12/2022 02:30	3.2	247	11	4.2	0
05/12/2022 02:40	3.1	247	12	4.4	0
05/12/2022 02:50	3.1	245	13	4.4	0
05/12/2022 03:00	2.7	246	11	3.6	0
05/12/2022 03:10	2.8	244	12	4	0
05/12/2022 03:20	2.6	254	9	3.6	0
05/12/2022 03:30	2.8	262	8	3.7	0
05/12/2022 03:40	2.7	275	8	3.2	0
05/12/2022 03:50	3.4	266	10	4.3	0
05/12/2022 04:00	3.6	257	9	4.4	0
05/12/2022 04:10	2.9	260	9	4	0
05/12/2022 04:20	3	263	9	3.7	0
05/12/2022 04:30	2.9	267	8	3.5	0
05/12/2022 04:40	3.1	264	9	3.9	0
05/12/2022 04:50	3.1	267	9	4.1	0
05/12/2022 05:00	3	266	7	3.7	0
05/12/2022 05:10	3.2	262	8	4.2	0
05/12/2022 05:20	3.2	256	9	4.1	0
05/12/2022 05:30	2.7	262	10	3.2	0
05/12/2022 05:40	2.7	261	10	3.8	0
05/12/2022 05:50	2.2	257	11	3.1	0
05/12/2022 06:00	2.4	255	11	3.3	0
05/12/2022 06:10	2.4	260	9	3.2	0
05/12/2022 06:20	2.8	263	10	3.6	0
05/12/2022 06:30	2.6	259	13	3.5	0
05/12/2022 06:40	2	254	13	2.8	0
05/12/2022 06:50	1.7	245	18	2.3	0
05/12/2022 07:00	1.4	233	19	2.3	0
05/12/2022 07:10	1.8	240	16	2.6	0
05/12/2022 07:20	2	239	21	2.8	0
05/12/2022 07:30	3.1	221	18	4.6	0
05/12/2022 07:40	3.1	226	18	4.3	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/12/2022 07:50	2.1	234	56	3.6	0
05/12/2022 08:00	2.5	237	55	5	0
05/12/2022 08:10	2.1	239	67	3.5	0
05/12/2022 08:20	2.2	256	74	4	0
05/12/2022 08:30	3.2	221	36	5	0
05/12/2022 08:40	3.1	220	42	4.8	0
05/12/2022 08:50	3.6	221	32	6	0
05/12/2022 09:00	4	225	19	6.4	0
05/12/2022 09:10	4	248	16	5.6	0
05/12/2022 09:20	3.3	255	16	4.6	0
05/12/2022 09:30	3.7	271	15	5.1	0
05/12/2022 09:40	3.3	270	14	4.6	0
05/12/2022 09:50	3.2	275	15	4.5	0
05/12/2022 10:00	3.4	277	16	4.3	0
05/12/2022 10:10	3.3	283	22	4.4	0
05/12/2022 10:20	3.3	286	23	4.6	0
05/12/2022 10:30	3.4	286	15	4.9	0
05/12/2022 10:40	3.9	295	16	5.3	0
05/12/2022 10:50	4.5	297	12	6.2	0
05/12/2022 11:00	4.4	298	13	5.6	0
05/12/2022 11:10	5	299	8	6	0
05/12/2022 11:20	5	291	14	6.6	0
05/12/2022 11:30	4.7	270	15	6.5	0
05/12/2022 11:40	5.1	265	15	7.3	0
05/12/2022 11:50	5.9	263	11	7.3	0
05/12/2022 12:00	5.3	265	17	6.9	0
05/12/2022 12:10	5.9	264	14	7.5	0
05/12/2022 12:20	6.1	266	13	7.9	0
05/12/2022 12:30	6.4	265	12	8.1	0
05/12/2022 12:40	7.3	266	11	8.8	0
05/12/2022 12:50	7.1	261	11	9.5	0
05/12/2022 13:00	6.7	267	15	8.3	0
05/12/2022 13:10	6.9	264	11	8.8	0
05/12/2022 13:20	6.8	258	10	9.2	0
05/12/2022 13:30	7.2	263	11	9.1	0
05/12/2022 13:40	7.4	259	10	9.1	0
05/12/2022 13:50	6.8	264	11	9.3	0
05/12/2022 14:00	6.9	267	13	9.1	0
05/12/2022 14:10	7	266	13	8.7	0
05/12/2022 14:20	6.4	259	11	8.2	0
05/12/2022 14:30	6.3	266	14	8	0
05/12/2022 14:40	6.5	259	11	8.7	0
05/12/2022 14:50	6.3	254	12	8.3	0
05/12/2022 15:00	6.3	252	13	8	0
05/12/2022 15:10	5.7	248	14	7.5	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/12/2022 15:20	5.9	255	14	7.6	0
05/12/2022 15:30	5.9	259	14	7.8	0
05/12/2022 15:40	6.4	257	14	9.1	0
05/12/2022 15:50	6.2	253	13	8.6	0
05/12/2022 16:00	5.9	252	12	8.1	0
05/12/2022 16:10	6.1	256	13	9.1	0
05/12/2022 16:20	6.2	257	12	8.3	0
05/12/2022 16:30	5.6	257	14	7.6	0
05/12/2022 16:40	6.3	263	12	8.7	0
05/12/2022 16:50	7	264	10	9.1	0
05/12/2022 17:00	7.2	263	10	9.4	0
05/12/2022 17:10	7.3	264	11	9.1	0
05/12/2022 17:20	6.4	272	14	8.2	0
05/12/2022 17:30	5.8	275	14	7.7	0
05/12/2022 17:40	6.5	271	14	8.7	0
05/12/2022 17:50	5.9	272	14	8	0
05/12/2022 18:00	6.6	269	12	9.3	0
05/12/2022 18:10	6.5	271	13	8.9	0
05/12/2022 18:20	6.2	270	12	8.5	0
05/12/2022 18:30	6.2	273	12	8.9	0
05/12/2022 18:40	6.1	275	15	8.8	0
05/12/2022 18:50	6	269	13	8.6	0
05/12/2022 19:00	6.3	269	12	7.9	0
05/12/2022 19:10	7	266	11	9.4	0
05/12/2022 19:20	6.5	264	11	8.7	0
05/12/2022 19:30	7.1	268	12	9.5	0
05/12/2022 19:40	6.8	267	12	8.9	0
05/12/2022 19:50	6.2	260	11	8.7	0
05/12/2022 20:00	6.4	264	13	9.7	0
05/12/2022 20:10	7.7	263	9	9.5	0
05/12/2022 20:20	7.1	264	11	10.1	0
05/12/2022 20:30	7.2	263	10	9.5	0
05/12/2022 20:40	8.1	263	10	10.3	0
05/12/2022 20:50	7	264	11	9.1	0
05/12/2022 21:00	6.5	263	12	8.3	0
05/12/2022 21:10	6.6	264	10	9.3	0
05/12/2022 21:20	7.3	266	9	9.3	0
05/12/2022 21:30	7.2	265	10	9.2	0
05/12/2022 21:40	6.5	259	11	8.7	0
05/12/2022 21:50	6.3	263	12	8.6	0
05/12/2022 22:00	6.6	257	12	8.8	0
05/12/2022 22:10	6.7	264	11	8.7	0
05/12/2022 22:20	6.6	264	10	8.5	0
05/12/2022 22:30	6.5	260	10	9.4	0
05/12/2022 22:40	6.3	258	12	8.3	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/12/2022 22:50	6.1	258	11	8.5	0
05/12/2022 23:00	6.4	257	10	8.9	0
05/12/2022 23:10	6.3	256	12	9.2	0
05/12/2022 23:20	5.6	255	11	8.3	0
05/12/2022 23:30	6	252	11	8.7	0
05/12/2022 23:40	6.6	255	12	9	0
05/12/2022 23:50	7.1	255	10	9.2	0
06/12/2022 00:00	6.7	252	12	9	0
06/12/2022 00:10	6.5	254	11	9.1	0
06/12/2022 00:20	6.3	258	12	8.6	0
06/12/2022 00:30	5.9	256	12	8.3	0
06/12/2022 00:40	6.5	256	11	8.6	0
06/12/2022 00:50	6.3	256	10	9.5	0
06/12/2022 01:00	6.4	255	11	9.5	0
06/12/2022 01:10	5.9	254	12	8	0
06/12/2022 01:20	5.9	256	10	8.3	0
06/12/2022 01:30	5.3	252	12	7.3	0
06/12/2022 01:40	4.9	248	12	7.2	0
06/12/2022 01:50	5.6	248	12	8.2	0
06/12/2022 02:00	5.3	244	12	7.9	0
06/12/2022 02:10	4.1	246	14	6.3	0
06/12/2022 02:20	4.9	246	12	7.2	0
06/12/2022 02:30	5	245	12	6.7	0
06/12/2022 02:40	4.7	245	14	6.7	0
06/12/2022 02:50	5.1	245	13	7.9	0
06/12/2022 03:00	4.3	243	13	6.7	0
06/12/2022 03:10	4.3	246	13	6.4	0
06/12/2022 03:20	4.5	246	11	6	0
06/12/2022 03:30	4.1	246	11	5.3	0
06/12/2022 03:40	4	251	12	5.2	0
06/12/2022 03:50	4.1	251	11	5.4	0
06/12/2022 04:00	4.4	254	10	6.3	0
06/12/2022 04:10	4.3	256	10	5.4	0
06/12/2022 04:20	4.5	257	10	5.6	0
06/12/2022 04:30	4.7	257	10	6.2	0
06/12/2022 04:40	4	255	10	5.1	0
06/12/2022 04:50	4	256	9	5.4	0
06/12/2022 05:00	4.9	258	9	6	0
06/12/2022 05:10	5.3	256	9	6.6	0
06/12/2022 05:20	4.8	255	10	6.5	0
06/12/2022 05:30	4.7	256	11	6.2	0
06/12/2022 05:40	4.5	258	9	5.6	0
06/12/2022 05:50	4.6	258	10	5.9	0
06/12/2022 06:00	4.2	254	10	5.5	0
06/12/2022 06:10	4.4	251	9	5.9	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/12/2022 06:20	5.1	252	12	6.2	0
06/12/2022 06:30	4.7	249	9	5.9	0
06/12/2022 06:40	4.4	248	12	6	0
06/12/2022 06:50	4.8	252	11	6.3	0
06/12/2022 07:00	4.8	256	11	6.4	0
06/12/2022 07:10	4.7	254	12	6.1	0
06/12/2022 07:20	4.9	255	10	6.4	0
06/12/2022 07:30	5	256	11	6.6	0
06/12/2022 07:40	5	253	11	6.6	0
06/12/2022 07:50	4.9	249	10	6.9	0
06/12/2022 08:00	5	246	11	6.3	0
06/12/2022 08:10	5.2	253	11	6.9	0
06/12/2022 08:20	4.8	256	13	6.2	0
06/12/2022 08:30	4.7	256	12	5.8	0
06/12/2022 08:40	4.8	257	12	6.1	0
06/12/2022 08:50	4.6	260	13	6.2	0
06/12/2022 09:00	4.4	262	15	6.3	0
06/12/2022 09:10	4.9	266	12	6.2	0
06/12/2022 09:20	5.3	265	11	6.5	0
06/12/2022 09:30	5	265	12	6	0
06/12/2022 09:40	4.9	263	12	6.2	0
06/12/2022 09:50	5.4	268	12	7.1	0
06/12/2022 10:00	5.4	264	11	7.1	0
06/12/2022 10:10	5.5	264	14	6.9	0
06/12/2022 10:20	5.5	275	12	6.9	0
06/12/2022 10:30	5.5	272	13	7	0
06/12/2022 10:40	5.9	264	12	7.6	0
06/12/2022 10:50	6	267	12	7.5	0
06/12/2022 11:00	5.8	264	13	7.4	0
06/12/2022 11:10	5.4	269	15	6.9	0
06/12/2022 11:20	5.3	267	14	6.8	0
06/12/2022 11:30	5.3	262	15	6.8	0
06/12/2022 11:40	5.3	262	15	6.9	0
06/12/2022 11:50	5.2	254	12	6.9	0
06/12/2022 12:00	5.4	252	12	7.2	0
06/12/2022 12:10	5.7	266	15	7.6	0
06/12/2022 12:20	6.4	259	10	7.9	0
06/12/2022 12:30	5.7	246	10	7.1	0
06/12/2022 12:40	5.6	245	14	7.3	0
06/12/2022 12:50	6	253	11	7.7	0
06/12/2022 13:00	6	256	14	7.6	0
06/12/2022 13:10	5.6	259	12	7.2	0
06/12/2022 13:20	6.2	259	11	8	0
06/12/2022 13:30	6.5	264	11	8.6	0
06/12/2022 13:40	5.7	261	15	7.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/12/2022 13:50	6.1	258	13	7.9	0
06/12/2022 14:00	6.5	266	14	8.3	0
06/12/2022 14:10	7	263	12	8.9	0
06/12/2022 14:20	6.8	265	13	8.7	0
06/12/2022 14:30	7.1	267	13	9.1	0
06/12/2022 14:40	6.9	267	14	9.6	0
06/12/2022 14:50	7.4	265	12	9.9	0
06/12/2022 15:00	7.8	263	10	10.3	0
06/12/2022 15:10	7.6	266	10	9.4	0
06/12/2022 15:20	7.1	261	10	9	0
06/12/2022 15:30	7	262	10	8.9	0
06/12/2022 15:40	7.4	258	12	9.4	0
06/12/2022 15:50	7.2	259	11	9.5	0
06/12/2022 16:00	7.1	261	11	9	0
06/12/2022 16:10	6.8	257	11	8.7	0
06/12/2022 16:20	7.1	256	10	9.4	0
06/12/2022 16:30	7	262	11	9.4	0
06/12/2022 16:40	6.7	266	12	8.7	0
06/12/2022 16:50	7.2	267	11	9.1	0
06/12/2022 17:00	7.9	265	10	10.5	0
06/12/2022 17:10	8.2	262	9	10.3	0
06/12/2022 17:20	7.2	265	11	9.7	0
06/12/2022 17:30	7.3	269	13	10.1	0
06/12/2022 17:40	7.5	267	12	10.1	0
06/12/2022 17:50	7.6	265	11	9.9	0
06/12/2022 18:00	7.8	264	10	10.6	0
06/12/2022 18:10	7.8	262	10	10.3	0
06/12/2022 18:20	7.9	265	10	10.2	0
06/12/2022 18:30	7.4	265	10	10.2	0
06/12/2022 18:40	7.5	262	11	9.7	0
06/12/2022 18:50	7.9	263	10	10.3	0
06/12/2022 19:00	8.1	261	11	10.4	0
06/12/2022 19:10	7.6	263	9	10.1	0
06/12/2022 19:20	6.7	260	10	8.8	0
06/12/2022 19:30	7	261	9	9.2	0
06/12/2022 19:40	7.5	264	8	9.8	0
06/12/2022 19:50	7.1	263	10	10.1	0
06/12/2022 20:00	7.5	264	9	9.7	0
06/12/2022 20:10	7	261	11	8.7	0
06/12/2022 20:20	7.8	264	9	10.2	0
06/12/2022 20:30	7	262	10	10.3	0
06/12/2022 20:40	6.8	260	11	9.1	0
06/12/2022 20:50	6	259	11	8.3	0
06/12/2022 21:00	6.1	259	10	8.1	0
06/12/2022 21:10	6.1	254	11	9.1	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/12/2022 21:20	5.9	259	11	8	0
06/12/2022 21:30	6.4	259	12	9.1	0
06/12/2022 21:40	6.4	259	10	8.5	0
06/12/2022 21:50	6.2	257	11	8.4	0
06/12/2022 22:00	5.6	260	10	7.9	0
06/12/2022 22:10	6.2	258	11	8.2	0
06/12/2022 22:20	6.2	262	11	8.3	0
06/12/2022 22:30	6.1	258	11	8.9	0
06/12/2022 22:40	6.7	257	13	8.6	0
06/12/2022 22:50	5.6	259	10	8.2	0
06/12/2022 23:00	6.7	255	11	9	0
06/12/2022 23:10	5.9	255	12	8.2	0
06/12/2022 23:20	6.1	256	13	8.8	0
06/12/2022 23:30	6.7	257	11	9.1	0
06/12/2022 23:40	6.6	253	12	8.7	0
06/12/2022 23:50	6.5	256	13	8.7	0
07/12/2022 00:00	6.6	256	11	9.1	0
07/12/2022 00:10	6.5	255	11	8.8	0
07/12/2022 00:20	5.9	254	12	8.7	0
07/12/2022 00:30	6.3	257	10	9.1	0
07/12/2022 00:40	6.4	258	11	9.2	0
07/12/2022 00:50	6.4	253	12	9.2	0
07/12/2022 01:00	6.9	255	12	9.4	0
07/12/2022 01:10	6.7	258	11	9	0
07/12/2022 01:20	6.5	257	10	8.8	0
07/12/2022 01:30	6.5	254	12	8.4	0
07/12/2022 01:40	6	249	12	7.8	0
07/12/2022 01:50	6.1	252	14	8.7	0
07/12/2022 02:00	5.5	252	12	8.2	0
07/12/2022 02:10	5.5	246	12	7.9	0
07/12/2022 02:20	5.8	251	12	8.4	0
07/12/2022 02:30	6.2	252	12	9.2	0
07/12/2022 02:40	5.6	247	14	9.2	0
07/12/2022 02:50	4.4	243	12	6	0
07/12/2022 03:00	4.7	240	13	7	0
07/12/2022 03:10	4.8	242	12	6.8	0
07/12/2022 03:20	4.4	241	14	6.7	0
07/12/2022 03:30	4.2	248	13	6.4	0
07/12/2022 03:40	4.8	246	11	6.4	0
07/12/2022 03:50	4.6	245	13	6.7	0
07/12/2022 04:00	4.4	244	12	6.4	0
07/12/2022 04:10	4.5	249	13	6.8	0
07/12/2022 04:20	4.5	250	12	6.2	0
07/12/2022 04:30	4.5	250	12	5.8	0
07/12/2022 04:40	4.6	251	13	6	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/12/2022 04:50	4.2	251	12	6.5	0
07/12/2022 05:00	4.6	258	10	6.4	0
07/12/2022 05:10	5.4	258	11	7.3	0
07/12/2022 05:20	5.1	256	9	6.9	0
07/12/2022 05:30	4.9	257	10	6.4	0
07/12/2022 05:40	5.3	255	10	6.8	0
07/12/2022 05:50	5.2	256	11	6.8	0
07/12/2022 06:00	4.3	249	11	5.6	0
07/12/2022 06:10	4.6	249	11	6.6	0
07/12/2022 06:20	5	250	13	6.5	0
07/12/2022 06:30	4.7	248	12	6.4	0
07/12/2022 06:40	5	249	12	6.5	0
07/12/2022 06:50	5.1	255	12	6.9	0
07/12/2022 07:00	5.7	256	11	7.2	0
07/12/2022 07:10	5.4	256	10	6.7	0
07/12/2022 07:20	5.4	258	12	6.9	0
07/12/2022 07:30	5.3	254	13	7.3	0
07/12/2022 07:40	5.1	251	13	7	0
07/12/2022 07:50	5.2	255	14	6.8	0
07/12/2022 08:00	4.7	258	11	6.5	0
07/12/2022 08:10	4.7	259	13	6.2	0
07/12/2022 08:20	4.7	256	14	5.9	0
07/12/2022 08:30	4.8	258	13	6.4	0
07/12/2022 08:40	5	266	11	6.4	0
07/12/2022 08:50	5.8	262	10	7.4	0
07/12/2022 09:00	5.1	261	13	6.5	0
07/12/2022 09:10	5	262	12	6.1	0
07/12/2022 09:20	5.1	258	11	6.6	0
07/12/2022 09:30	5.3	266	12	6.8	0
07/12/2022 09:40	5.3	261	12	6.5	0
07/12/2022 09:50	4.8	269	14	7.1	0
07/12/2022 10:00	5.3	266	15	7.1	0
07/12/2022 10:10	5.5	272	15	7.1	0
07/12/2022 10:20	5.6	271	15	7.5	0
07/12/2022 10:30	5.9	265	13	7.7	0
07/12/2022 10:40	5.9	264	13	7.7	0
07/12/2022 10:50	6	267	13	8	0
07/12/2022 11:00	6.5	263	14	8.2	0
07/12/2022 11:10	6.4	265	11	8.4	0
07/12/2022 11:20	6.4	258	12	8.3	0
07/12/2022 11:30	6.7	259	10	8.1	0
07/12/2022 11:40	6.1	267	12	8	0
07/12/2022 11:50	6.2	265	14	8.3	0
07/12/2022 12:00	7.5	261	11	9.4	0
07/12/2022 12:10	6.8	255	12	8.5	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/12/2022 12:20	5.9	255	12	7.9	0
07/12/2022 12:30	7.3	259	12	9.3	0
07/12/2022 12:40	7.3	259	11	9.4	0
07/12/2022 12:50	7.5	261	10	9.1	0
07/12/2022 13:00	7.3	263	11	9.5	0
07/12/2022 13:10	7.1	265	11	9.1	0
07/12/2022 13:20	7.4	265	11	9.1	0
07/12/2022 13:30	7.4	263	12	9.1	0
07/12/2022 13:40	7	257	13	8.9	0
07/12/2022 13:50	6.8	263	12	8.5	0
07/12/2022 14:00	6.8	264	11	9.1	0
07/12/2022 14:10	6.5	261	13	9.4	0
07/12/2022 14:20	6.8	270	13	9.9	0
07/12/2022 14:30	7.4	260	12	9.9	0
07/12/2022 14:40	7	264	13	9	0
07/12/2022 14:50	6.6	262	13	9.2	0
07/12/2022 15:00	7	262	11	9.8	0
07/12/2022 15:10	7.8	261	11	10.3	0
07/12/2022 15:20	7.7	260	10	9.6	0
07/12/2022 15:30	7.4	264	11	9.7	0
07/12/2022 15:40	7.7	261	11	9.5	0
07/12/2022 15:50	7.5	261	12	9.7	0
07/12/2022 16:00	7.5	263	11	9.9	0
07/12/2022 16:10	7.6	268	10	9.6	0
07/12/2022 16:20	8.7	265	11	10.7	0
07/12/2022 16:30	8.2	263	11	11	0
07/12/2022 16:40	7.6	264	11	10.3	0
07/12/2022 16:50	7.4	263	11	9.5	0
07/12/2022 17:00	7.3	265	12	10.1	0
07/12/2022 17:10	6.6	259	12	8.5	0
07/12/2022 17:20	7.2	262	10	9.1	0
07/12/2022 17:30	6.7	264	11	9	0
07/12/2022 17:40	7.1	261	10	9.4	0
07/12/2022 17:50	6.6	262	12	8.6	0
07/12/2022 18:00	6.4	263	13	9.2	0
07/12/2022 18:10	6.1	261	11	8	0
07/12/2022 18:20	6.2	263	11	8.4	0
07/12/2022 18:30	6.9	265	9	8.7	0
07/12/2022 18:40	6.3	263	11	8.3	0
07/12/2022 18:50	6.3	264	10	8.6	0
07/12/2022 19:00	6.6	261	10	8.7	0
07/12/2022 19:10	6.7	263	10	8.6	0
07/12/2022 19:20	6.9	262	10	9.1	0
07/12/2022 19:30	6.6	264	12	8.7	0
07/12/2022 19:40	6.8	261	10	9.1	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/12/2022 19:50	7.4	262	9	10.3	0
07/12/2022 20:00	7.4	262	10	10	0
07/12/2022 20:10	7.6	260	10	10.2	0
07/12/2022 20:20	7.6	260	10	10	0
07/12/2022 20:30	7.7	262	10	10.3	0
07/12/2022 20:40	7.1	257	10	9.3	0
07/12/2022 20:50	7.5	263	11	10.1	0
07/12/2022 21:00	7.1	254	11	9.7	0
07/12/2022 21:10	7.4	258	12	9.3	0
07/12/2022 21:20	7.3	254	12	9.6	0
07/12/2022 21:30	7.5	254	10	9.8	0
07/12/2022 21:40	7.2	255	11	9.7	0
07/12/2022 21:50	7.3	256	11	10.2	0
07/12/2022 22:00	7.4	254	11	10.8	0
07/12/2022 22:10	7.7	256	11	10	0
07/12/2022 22:20	7	254	12	9.3	0
07/12/2022 22:30	6.2	249	11	10.3	0
07/12/2022 22:40	6.7	251	14	10	0
07/12/2022 22:50	6.7	255	12	9.9	0
07/12/2022 23:00	6.5	250	13	9.2	0
07/12/2022 23:10	6.8	246	14	9.1	0
07/12/2022 23:20	6.5	250	13	8.6	0
07/12/2022 23:30	6.8	244	12	9.8	0
07/12/2022 23:40	6.9	245	12	9.5	0
07/12/2022 23:50	5.4	249	13	7.4	0
08/12/2022 00:00	5.5	248	13	7.5	0
08/12/2022 00:10	6.5	246	12	9.2	0
08/12/2022 00:20	6.8	250	12	9.4	0
08/12/2022 00:30	7.1	253	13	9.7	0
08/12/2022 00:40	6.4	254	12	8.8	0
08/12/2022 00:50	6.8	255	10	9.6	0
08/12/2022 01:00	5.8	253	12	7.8	0
08/12/2022 01:10	5.9	248	12	9	0
08/12/2022 01:20	5.8	248	14	7.9	0
08/12/2022 01:30	5.8	247	13	7.8	0
08/12/2022 01:40	5.6	247	14	8.2	0
08/12/2022 01:50	6.1	246	12	8.9	0
08/12/2022 02:00	5.7	247	11	8.3	0
08/12/2022 02:10	6.1	243	11	9.1	0
08/12/2022 02:20	4.9	245	12	7.1	0
08/12/2022 02:30	5.2	247	13	7.8	0
08/12/2022 02:40	5.1	245	12	7.4	0
08/12/2022 02:50	4.5	253	12	6	0
08/12/2022 03:00	4.7	250	12	6.2	0
08/12/2022 03:10	4.1	246	11	5.6	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/12/2022 03:20	4.5	252	12	5.7	0
08/12/2022 03:30	4.3	256	11	5.6	0
08/12/2022 03:40	4.1	254	12	5.7	0
08/12/2022 03:50	4	249	13	5.2	0
08/12/2022 04:00	4	253	12	5.3	0
08/12/2022 04:10	4.2	256	11	5.6	0
08/12/2022 04:20	4.3	256	11	5.7	0
08/12/2022 04:30	4.7	255	11	6.3	0
08/12/2022 04:40	4.5	257	11	6.1	0
08/12/2022 04:50	4.7	256	10	6.3	0
08/12/2022 05:00	5	253	13	6.3	0
08/12/2022 05:10	4.5	258	11	6.7	0
08/12/2022 05:20	4.2	255	12	6.2	0
08/12/2022 05:30	4.6	253	11	6.5	0
08/12/2022 05:40	4.8	256	11	6.4	0
08/12/2022 05:50	5.4	255	11	6.7	0
08/12/2022 06:00	5.4	253	10	6.5	0
08/12/2022 06:10	5.1	246	11	6.8	0
08/12/2022 06:20	4.6	253	12	6.4	0
08/12/2022 06:30	3.9	253	14	5.3	0
08/12/2022 06:40	3.9	248	12	5.3	0
08/12/2022 06:50	4.3	249	13	6	0
08/12/2022 07:00	4.1	249	12	5.3	0
08/12/2022 07:10	4.1	254	11	5.2	0
08/12/2022 07:20	4.4	254	12	6	0
08/12/2022 07:30	4.7	250	14	6.4	0
08/12/2022 07:40	5	253	12	6.4	0
08/12/2022 07:50	5.1	256	11	6.8	0
08/12/2022 08:00	5.1	254	11	6.6	0
08/12/2022 08:10	5.2	253	10	6.6	0
08/12/2022 08:20	4.9	257	11	6.4	0
08/12/2022 08:30	4.6	255	12	6.5	0
08/12/2022 08:40	4.7	242	16	7.1	0
08/12/2022 08:50	4.9	230	16	6.8	0
08/12/2022 09:00	5.1	237	15	7.5	0
08/12/2022 09:10	5.7	240	14	7.5	0
08/12/2022 09:20	5.3	239	13	7.2	0
08/12/2022 09:30	5	230	16	6.8	0
08/12/2022 09:40	5	231	14	6.8	0
08/12/2022 09:50	5	226	15	7.2	0
08/12/2022 10:00	5	237	16	7.2	0
08/12/2022 10:10	4.4	233	17	6.8	0
08/12/2022 10:20	5.1	241	16	7.5	0
08/12/2022 10:30	4.9	244	18	6.6	0
08/12/2022 10:40	4.8	270	16	6.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/12/2022 10:50	5.5	269	15	7.4	0
08/12/2022 11:00	5.7	272	13	7.9	0
08/12/2022 11:10	6.2	268	14	7.9	0
08/12/2022 11:20	6.9	267	12	8.9	0
08/12/2022 11:30	6.7	267	11	8.8	0
08/12/2022 11:40	6.8	265	10	8.6	0
08/12/2022 11:50	6.5	266	14	9	0
08/12/2022 12:00	6.9	265	11	9.3	0
08/12/2022 12:10	6.6	267	14	8.6	0
08/12/2022 12:20	6.6	267	12	8.7	0
08/12/2022 12:30	6	265	14	8.5	0
08/12/2022 12:40	6.2	270	13	8	0
08/12/2022 12:50	6.3	266	13	7.9	0
08/12/2022 13:00	6.5	267	13	8.7	0
08/12/2022 13:10	6.5	267	13	8.6	0
08/12/2022 13:20	6.6	263	12	8.5	0
08/12/2022 13:30	6.7	264	12	8.3	0
08/12/2022 13:40	6.3	266	14	8.2	0
08/12/2022 13:50	6.7	265	12	8.6	0
08/12/2022 14:00	6.7	266	13	9.4	0
08/12/2022 14:10	5.9	274	14	8	0
08/12/2022 14:20	6.4	270	14	8.4	0
08/12/2022 14:30	6.5	269	11	9	0
08/12/2022 14:40	6.7	268	14	8.9	0
08/12/2022 14:50	6.8	267	13	8.8	0
08/12/2022 15:00	6.5	268	14	9	0
08/12/2022 15:10	6.7	267	13	9.2	0
08/12/2022 15:20	7.1	262	12	9.1	0
08/12/2022 15:30	6.5	267	14	8.7	0
08/12/2022 15:40	7.2	268	13	9.5	0
08/12/2022 15:50	7.5	263	10	9.3	0
08/12/2022 16:00	7.3	261	10	9.7	0
08/12/2022 16:10	8	262	10	10.5	0
08/12/2022 16:20	8.4	263	9	10.3	0
08/12/2022 16:30	8	261	10	9.8	0
08/12/2022 16:40	7.6	263	9	9.8	0
08/12/2022 16:50	6.8	263	9	8.6	0
08/12/2022 17:00	6.1	266	13	8.3	0
08/12/2022 17:10	6	276	15	7.9	0
08/12/2022 17:20	5.4	273	15	7.4	0
08/12/2022 17:30	5.7	277	17	8.7	0
08/12/2022 17:40	5.9	270	15	8.3	0
08/12/2022 17:50	6.3	265	12	8.7	0
08/12/2022 18:00	5.9	276	15	7.9	0
08/12/2022 18:10	5.6	274	14	7.6	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/12/2022 18:20	5.2	267	12	6.5	0
08/12/2022 18:30	5	265	11	7.1	0
08/12/2022 18:40	5.1	270	14	7.1	0
08/12/2022 18:50	6.3	263	10	8.4	0
08/12/2022 19:00	6.9	265	11	9.1	0
08/12/2022 19:10	6.2	268	14	8	0
08/12/2022 19:20	5.2	263	12	7.8	0
08/12/2022 19:30	6.3	264	10	8.6	0
08/12/2022 19:40	5.8	263	11	8.6	0
08/12/2022 19:50	5.6	266	13	7.5	0
08/12/2022 20:00	6.6	263	10	8.7	0
08/12/2022 20:10	6.6	262	11	8.8	0
08/12/2022 20:20	6.3	263	12	9.1	0
08/12/2022 20:30	6.3	263	11	8.2	0
08/12/2022 20:40	6.3	261	12	8.2	0
08/12/2022 20:50	7	262	10	9.5	0
08/12/2022 21:00	6.5	263	11	8.4	0
08/12/2022 21:10	5.3	259	11	7.9	0
08/12/2022 21:20	5.8	266	12	8.2	0
08/12/2022 21:30	5.9	260	11	8.1	0
08/12/2022 21:40	6.6	265	10	8.6	0
08/12/2022 21:50	6.8	261	12	8.5	0
08/12/2022 22:00	6	261	11	8.3	0
08/12/2022 22:10	5.8	257	14	8.1	0
08/12/2022 22:20	6.6	254	12	8.4	0
08/12/2022 22:30	6.1	258	10	8.3	0
08/12/2022 22:40	6	259	11	8.2	0
08/12/2022 22:50	6.4	260	10	8.3	0
08/12/2022 23:00	6.5	259	12	9.1	0
08/12/2022 23:10	6.4	261	11	7.7	0
08/12/2022 23:20	6.1	256	11	7.9	0
08/12/2022 23:30	6.2	261	12	8	0
08/12/2022 23:40	6.4	262	11	8.4	0
08/12/2022 23:50	6.1	261	10	8.8	0
09/12/2022 00:00	6.3	258	12	8.8	0
09/12/2022 00:10	6.2	258	12	8.5	0
09/12/2022 00:20	6.1	258	12	8.3	0
09/12/2022 00:30	6.5	263	9	9.5	0
09/12/2022 00:40	6.9	263	8	9.1	0
09/12/2022 00:50	6.9	264	10	9.1	0
09/12/2022 01:00	6.7	262	9	8.5	0
09/12/2022 01:10	6.5	258	9	8.3	0
09/12/2022 01:20	6.3	262	11	8	0
09/12/2022 01:30	6.2	257	11	8.2	0
09/12/2022 01:40	5.8	260	11	8.3	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/12/2022 01:50	6	257	12	8	0
09/12/2022 02:00	6.3	255	11	8.2	0
09/12/2022 02:10	6.5	258	11	8.8	0
09/12/2022 02:20	5.5	253	11	8.6	0
09/12/2022 02:30	6.4	257	10	8.4	0
09/12/2022 02:40	5.5	257	12	7.9	0
09/12/2022 02:50	6.5	256	11	8.9	0
09/12/2022 03:00	6.4	255	10	8.2	0
09/12/2022 03:10	5.3	255	10	7.2	0
09/12/2022 03:20	5.5	257	10	7.5	0
09/12/2022 03:30	4.4	250	13	6.4	0
09/12/2022 03:40	5.3	254	12	7.6	0
09/12/2022 03:50	5.8	257	11	7.6	0
09/12/2022 04:00	4.7	252	12	6.4	0
09/12/2022 04:10	4.5	253	12	6.8	0
09/12/2022 04:20	5	250	12	6.8	0
09/12/2022 04:30	4.6	255	12	6.3	0
09/12/2022 04:40	4.4	247	13	5.8	0
09/12/2022 04:50	4.6	243	13	6.1	0
09/12/2022 05:00	4.5	245	13	6	0
09/12/2022 05:10	5	247	12	6.8	0
09/12/2022 05:20	4.7	244	12	6.8	0
09/12/2022 05:30	4.9	247	12	6.7	0
09/12/2022 05:40	4.9	248	11	6.9	0
09/12/2022 05:50	4.8	243	13	6.8	0
09/12/2022 06:00	4.7	246	13	6.4	0
09/12/2022 06:10	5	243	12	6.9	0
09/12/2022 06:20	5.4	247	11	7.5	0
09/12/2022 06:30	5.5	246	11	7.3	0
09/12/2022 06:40	5.7	252	10	7.8	0
09/12/2022 06:50	6	252	12	7.9	0
09/12/2022 07:00	6.2	249	12	8.3	0
09/12/2022 07:10	6.2	251	12	8.6	0
09/12/2022 07:20	6.1	253	11	7.9	0
09/12/2022 07:30	6.3	253	10	8.3	0
09/12/2022 07:40	6	257	11	7.8	0
09/12/2022 07:50	6	257	11	8.4	0
09/12/2022 08:00	6.2	254	11	7.8	0
09/12/2022 08:10	5	254	13	7.2	0
09/12/2022 08:20	4.7	256	14	6.3	0
09/12/2022 08:30	4.7	243	18	6.6	0
09/12/2022 08:40	4.9	258	15	6.5	0
09/12/2022 08:50	5	259	12	7	0
09/12/2022 09:00	5.1	256	13	6.7	0
09/12/2022 09:10	5.4	262	12	7.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/12/2022 09:20	5.3	260	12	7.3	0
09/12/2022 09:30	6.1	262	11	7.6	0
09/12/2022 09:40	5.7	259	14	7.2	0
09/12/2022 09:50	5.7	258	11	7.2	0
09/12/2022 10:00	5.6	261	15	7.2	0
09/12/2022 10:10	5.6	264	16	7.6	0
09/12/2022 10:20	5.9	267	12	7.4	0
09/12/2022 10:30	6.1	267	13	7.9	0
09/12/2022 10:40	6.5	261	10	8.3	0
09/12/2022 10:50	6.2	267	12	8.7	0
09/12/2022 11:00	6.3	268	15	8.3	0
09/12/2022 11:10	6.3	263	13	8.2	0
09/12/2022 11:20	6.5	266	13	8.4	0
09/12/2022 11:30	6.2	258	12	8.2	0
09/12/2022 11:40	6	258	11	8.1	0
09/12/2022 11:50	6.3	259	12	8.2	0
09/12/2022 12:00	6.2	264	13	8.4	0
09/12/2022 12:10	6	273	15	8	0
09/12/2022 12:20	5.8	269	16	8.1	0
09/12/2022 12:30	6.4	264	13	9	0
09/12/2022 12:40	6.9	265	13	9.1	0
09/12/2022 12:50	7.2	262	12	9.1	0
09/12/2022 13:00	7.4	263	12	9.5	0
09/12/2022 13:10	7.7	261	13	10.3	0
09/12/2022 13:20	7.7	261	11	9.8	0
09/12/2022 13:30	7.3	264	13	9.2	0
09/12/2022 13:40	7.7	265	11	9.8	0
09/12/2022 13:50	6.7	263	12	9	0
09/12/2022 14:00	6.5	261	13	9.2	0
09/12/2022 14:10	7	263	13	9.4	0
09/12/2022 14:20	6.3	261	12	8.7	0
09/12/2022 14:30	6.6	261	13	8.8	0
09/12/2022 14:40	7.8	263	9	10.1	0
09/12/2022 14:50	7.4	263	11	9.6	0
09/12/2022 15:00	7.5	264	12	9.7	0
09/12/2022 15:10	7.7	265	12	9.8	0
09/12/2022 15:20	8	261	12	10.2	0
09/12/2022 15:30	8	257	11	10.3	0
09/12/2022 15:40	7.8	258	12	11.1	0
09/12/2022 15:50	7.8	261	11	10.8	0
09/12/2022 16:00	7.9	260	11	10.8	0
09/12/2022 16:10	7.8	263	10	10.2	0
09/12/2022 16:20	7.5	262	10	9.7	0
09/12/2022 16:30	6.3	260	12	8.3	0
09/12/2022 16:40	5.8	257	13	8.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/12/2022 16:50	6.5	257	11	9.3	0
09/12/2022 17:00	7.3	257	10	9.5	0
09/12/2022 17:10	6	256	11	8.5	0
09/12/2022 17:20	6.2	253	11	8.8	0
09/12/2022 17:30	6.4	255	11	8.7	0
09/12/2022 17:40	5.7	256	11	7.8	0
09/12/2022 17:50	5.7	255	11	7.3	0
09/12/2022 18:00	5.4	256	11	7.2	0
09/12/2022 18:10	5.3	259	10	7.2	0
09/12/2022 18:20	5.1	255	11	6.7	0
09/12/2022 18:30	5.2	255	11	7.1	0
09/12/2022 18:40	5.4	257	11	7	0
09/12/2022 18:50	4.9	255	10	6.7	0
09/12/2022 19:00	4.6	258	10	6.1	0
09/12/2022 19:10	4.7	261	10	6.3	0
09/12/2022 19:20	4.6	255	10	6.1	0
09/12/2022 19:30	5.1	258	10	7.1	0
09/12/2022 19:40	4.6	259	9	6	0
09/12/2022 19:50	5	262	9	6.8	0
09/12/2022 20:00	4.8	258	9	6.8	0
09/12/2022 20:10	5.2	262	14	6.8	0
09/12/2022 20:20	5.6	260	9	7.5	0
09/12/2022 20:30	4.5	268	11	5.9	0
09/12/2022 20:40	4.4	260	10	6	0
09/12/2022 20:50	4.5	266	10	5.6	0
09/12/2022 21:00	4.8	261	8	6.3	0
09/12/2022 21:10	4	256	10	5.3	0
09/12/2022 21:20	3.7	262	11	4.9	0
09/12/2022 21:30	3.2	247	12	4.4	0
09/12/2022 21:40	3.6	257	12	4.8	0
09/12/2022 21:50	4	260	12	5.6	0
09/12/2022 22:00	4.7	261	11	6.8	0
09/12/2022 22:10	4.8	264	8	6.4	0
09/12/2022 22:20	5.4	262	10	7	0
09/12/2022 22:30	5.2	258	11	6.9	0
09/12/2022 22:40	5.6	257	11	7.4	0
09/12/2022 22:50	4.8	255	11	6.4	0
09/12/2022 23:00	4.9	257	9	6.5	0
09/12/2022 23:10	4.8	259	9	6	0
09/12/2022 23:20	4.9	258	9	6.6	0
09/12/2022 23:30	4.5	257	11	6.1	0
09/12/2022 23:40	5.3	260	10	6.5	0
09/12/2022 23:50	4.7	258	10	6	0
10/12/2022 00:00	5.1	259	10	6.6	0
10/12/2022 00:10	4.8	254	11	6.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/12/2022 00:20	4.2	251	12	5.9	0
10/12/2022 00:30	3.4	247	12	4.8	0
10/12/2022 00:40	4.4	249	12	5.7	0
10/12/2022 00:50	5.1	255	11	6.4	0
10/12/2022 01:00	5	253	10	6.8	0
10/12/2022 01:10	4.9	255	11	6.5	0
10/12/2022 01:20	4.8	256	10	6.4	0
10/12/2022 01:30	4.8	256	10	6.2	0
10/12/2022 01:40	5.1	255	10	6.8	0
10/12/2022 01:50	4.6	256	9	5.6	0
10/12/2022 02:00	4.7	254	10	6.6	0
10/12/2022 02:10	4.9	255	10	7.1	0
10/12/2022 02:20	4.9	256	10	6.4	0
10/12/2022 02:30	4.6	255	10	6	0
10/12/2022 02:40	4.1	254	10	5.3	0
10/12/2022 02:50	4.3	254	9	5.6	0
10/12/2022 03:00	3.6	252	10	4.5	0
10/12/2022 03:10	3.7	256	10	4.8	0
10/12/2022 03:20	4.5	265	8	5.6	0
10/12/2022 03:30	4.5	256	8	6	0
10/12/2022 03:40	3.9	264	10	5.7	0
10/12/2022 03:50	4.5	251	10	5.7	0
10/12/2022 04:00	4.6	254	9	6	0
10/12/2022 04:10	4.9	258	8	6.4	0
10/12/2022 04:20	4.8	254	8	6	0
10/12/2022 04:30	4.2	257	9	5.6	0
10/12/2022 04:40	4.2	255	10	5.2	0
10/12/2022 04:50	3.9	254	10	5.3	0
10/12/2022 05:00	4.3	256	9	5.5	0
10/12/2022 05:10	4	254	8	5	0
10/12/2022 05:20	3.6	248	10	4.6	0
10/12/2022 05:30	2.4	241	13	3.4	0
10/12/2022 05:40	1.3	226	21	1.9	0
10/12/2022 05:50	1.3	236	14	1.8	0
10/12/2022 06:00	0.9	243	26	1.6	0
10/12/2022 06:10	1.3	243	23	2.1	0
10/12/2022 06:20	1.5	246	19	2.4	0
10/12/2022 06:30	2.1	256	17	3.3	0
10/12/2022 06:40	2.2	255	14	3.2	0
10/12/2022 06:50	2.3	257	13	3.2	0
10/12/2022 07:00	2.1	253	15	2.8	0
10/12/2022 07:10	2.3	250	13	3	0
10/12/2022 07:20	2.4	270	16	3.1	0
10/12/2022 07:30	2	256	18	2.6	0
10/12/2022 07:40	1.9	251	21	2.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/12/2022 07:50	2	246	16	3.2	0
10/12/2022 08:00	1.6	258	28	2.5	0
10/12/2022 08:10	2	261	19	3	0
10/12/2022 08:20	2.4	262	16	3.3	0
10/12/2022 08:30	2.7	281	14	3.5	0
10/12/2022 08:40	2.4	276	19	3.2	0
10/12/2022 08:50	2.6	273	18	3.6	0
10/12/2022 09:00	3.2	263	9	4.2	0
10/12/2022 09:10	3	265	19	4.2	0
10/12/2022 09:20	3.7	281	12	4.7	0
10/12/2022 09:30	3.9	274	15	4.9	0
10/12/2022 09:40	4	271	13	5.3	0
10/12/2022 09:50	4.3	281	12	5.4	0
10/12/2022 10:00	3.9	279	13	4.8	0
10/12/2022 10:10	3.8	277	14	5.1	0
10/12/2022 10:20	4	269	15	5.2	0
10/12/2022 10:30	4.2	271	15	5.3	0
10/12/2022 10:40	4.1	255	14	5.6	0
10/12/2022 10:50	4.3	268	14	5.7	0
10/12/2022 11:00	4.5	251	12	5.9	0
10/12/2022 11:10	4.8	254	14	6	0
10/12/2022 11:20	4.7	253	13	6.8	0
10/12/2022 11:30	5.1	260	12	6.6	0
10/12/2022 11:40	5	255	12	6.8	0
10/12/2022 11:50	4.9	257	13	6.4	0
10/12/2022 12:00	5	250	12	6.6	0
10/12/2022 12:10	5.3	255	13	6.9	0
10/12/2022 12:20	5.5	256	13	7.3	0
10/12/2022 12:30	5.1	252	12	6.9	0
10/12/2022 12:40	5.3	255	11	7.5	0
10/12/2022 12:50	5.7	257	11	7	0
10/12/2022 13:00	5.8	256	12	8.2	0
10/12/2022 13:10	6.2	257	12	8.2	0
10/12/2022 13:20	6.5	251	14	8.7	0
10/12/2022 13:30	6.2	252	13	8.3	0
10/12/2022 13:40	6.1	255	14	8.4	0
10/12/2022 13:50	5.8	256	14	7.9	0
10/12/2022 14:00	6.2	253	13	8.8	0
10/12/2022 14:10	6.4	257	13	8.6	0
10/12/2022 14:20	6.6	253	13	9	0
10/12/2022 14:30	6.1	254	13	8.3	0
10/12/2022 14:40	6.3	253	13	8.9	0
10/12/2022 14:50	7.1	257	11	9.1	0
10/12/2022 15:00	7	257	12	9.4	0
10/12/2022 15:10	6.3	255	12	8.7	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/12/2022 15:20	6.3	259	11	8.3	0
10/12/2022 15:30	6.2	254	13	8	0
10/12/2022 15:40	6.1	256	12	7.6	0
10/12/2022 15:50	5.9	258	12	7.6	0
10/12/2022 16:00	6.1	255	11	7.9	0
10/12/2022 16:10	5.9	256	10	7.7	0
10/12/2022 16:20	6.2	255	15	8.3	0
10/12/2022 16:30	6.6	257	12	8.7	0
10/12/2022 16:40	6.5	255	12	9.1	0
10/12/2022 16:50	5.9	255	11	7.9	0
10/12/2022 17:00	5.5	258	11	7.5	0
10/12/2022 17:10	5.4	257	11	7.5	0
10/12/2022 17:20	5.2	265	13	6.8	0
10/12/2022 17:30	5.2	265	12	6.8	0
10/12/2022 17:40	5.8	258	11	7.8	0
10/12/2022 17:50	5.5	258	10	7.6	0
10/12/2022 18:00	4.9	266	11	6.4	0
10/12/2022 18:10	5.2	258	12	7	0
10/12/2022 18:20	4.6	265	13	6	0
10/12/2022 18:30	4	276	12	5.3	0
10/12/2022 18:40	4.2	274	13	5.5	0
10/12/2022 18:50	4	282	14	5.2	0
10/12/2022 19:00	3.6	273	15	5.3	0
10/12/2022 19:10	4.8	259	12	6.8	0
10/12/2022 19:20	4.5	258	14	6.3	0
10/12/2022 19:30	5.2	254	12	7	0
10/12/2022 19:40	4.2	254	12	5.6	0
10/12/2022 19:50	4.5	267	11	5.7	0
10/12/2022 20:00	3.6	267	12	4.7	0
10/12/2022 20:10	3.6	250	11	5	0
10/12/2022 20:20	3.6	252	11	4.9	0
10/12/2022 20:30	3.5	259	13	4.8	0
10/12/2022 20:40	3.4	264	12	4.6	0
10/12/2022 20:50	4.1	278	12	5.6	0
10/12/2022 21:00	4.4	268	10	6	0
10/12/2022 21:10	4.7	256	12	6.4	0
10/12/2022 21:20	3.5	249	12	4.9	0
10/12/2022 21:30	4.1	257	11	5.4	0
10/12/2022 21:40	3	246	14	4.1	0
10/12/2022 21:50	2.7	244	13	4.2	0
10/12/2022 22:00	3.2	249	11	4.3	0
10/12/2022 22:10	3.1	253	11	4.4	0
10/12/2022 22:20	3.1	263	11	4	0
10/12/2022 22:30	3.5	256	10	4.5	0
10/12/2022 22:40	2.8	249	13	3.7	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/12/2022 22:50	2.9	238	15	4.7	0
10/12/2022 23:00	3.2	240	12	4.4	0
10/12/2022 23:10	3.2	247	11	4.6	0
10/12/2022 23:20	4.1	259	8	5.2	0
10/12/2022 23:30	3.8	257	11	4.8	0
10/12/2022 23:40	2.8	251	11	3.5	0
10/12/2022 23:50	3	255	11	3.7	0
11/12/2022 00:00	2.7	250	10	3.8	0
11/12/2022 00:10	3	255	10	3.8	0
11/12/2022 00:20	3.1	263	9	4	0
11/12/2022 00:30	3	257	10	3.7	0
11/12/2022 00:40	2.3	252	10	3.1	0
11/12/2022 00:50	2.7	252	9	3.6	0
11/12/2022 01:00	3	254	9	4.1	0
11/12/2022 01:10	3.5	261	10	4.8	0
11/12/2022 01:20	3.2	260	10	4.5	0
11/12/2022 01:30	3	259	10	4	0
11/12/2022 01:40	2.6	257	11	3.5	0
11/12/2022 01:50	2.5	259	10	3.4	0
11/12/2022 02:00	3	262	9	3.8	0
11/12/2022 02:10	3.7	262	9	4.5	0
11/12/2022 02:20	3.4	259	9	4.3	0
11/12/2022 02:30	3.6	261	8	4.5	0
11/12/2022 02:40	3.6	264	9	4.4	0
11/12/2022 02:50	3.3	262	9	4.2	0
11/12/2022 03:00	2.9	256	10	3.8	0
11/12/2022 03:10	2.6	250	11	3.5	0
11/12/2022 03:20	2.7	251	10	3.5	0
11/12/2022 03:30	2.4	263	10	3.2	0
11/12/2022 03:40	2.6	266	11	3.4	0
11/12/2022 03:50	2.5	254	11	3.3	0
11/12/2022 04:00	2.6	259	10	3.6	0
11/12/2022 04:10	2.6	257	11	3.2	0
11/12/2022 04:20	2.5	254	11	3.2	0
11/12/2022 04:30	2.2	254	11	3.2	0
11/12/2022 04:40	1.8	256	13	2.8	0
11/12/2022 04:50	1.1	267	20	1.7	0
11/12/2022 05:00	2.1	257	11	2.7	0
11/12/2022 05:10	2.5	259	10	3.3	0
11/12/2022 05:20	2.4	258	10	3.2	0
11/12/2022 05:30	2	257	10	2.9	0
11/12/2022 05:40	2	264	8	2.6	0
11/12/2022 05:50	1.7	256	13	2.4	0
11/12/2022 06:00	1.7	248	13	2.2	0
11/12/2022 06:10	1.7	258	12	2.1	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/12/2022 06:20	1.8	262	11	2.3	0
11/12/2022 06:30	1.8	256	10	2.2	0
11/12/2022 06:40	1.5	251	13	1.8	0
11/12/2022 06:50	1.4	256	15	2	0
11/12/2022 07:00	1.9	245	17	2.3	0
11/12/2022 07:10	1.7	240	15	2.5	0
11/12/2022 07:20	1.9	239	14	2.5	0
11/12/2022 07:30	1.8	227	25	3.1	0
11/12/2022 07:40	2.5	219	15	3.6	0
11/12/2022 07:50	2.2	223	53	3.6	0
11/12/2022 08:00	2.8	220	34	4.4	0
11/12/2022 08:10	2.8	222	29	4	0
11/12/2022 08:20	2.8	231	20	4.4	0
11/12/2022 08:30	2.7	242	18	4.1	0
11/12/2022 08:40	2.2	235	21	4.2	0
11/12/2022 08:50	2.9	237	17	4.1	0
11/12/2022 09:00	3.5	216	24	6	0
11/12/2022 09:10	3.6	220	24	5.4	0
11/12/2022 09:20	3.2	225	47	4.8	0
11/12/2022 09:30	4.5	225	24	7	0
11/12/2022 09:40	4.1	236	29	6	0
11/12/2022 09:50	4.3	255	12	5.6	0
11/12/2022 10:00	4.3	269	14	5.3	0
11/12/2022 10:10	3.8	273	15	5.1	0
11/12/2022 10:20	3.7	266	16	5.1	0
11/12/2022 10:30	3.5	266	18	4.9	0
11/12/2022 10:40	3.2	274	20	4.4	0
11/12/2022 10:50	3.3	294	18	4.6	0
11/12/2022 11:00	3.2	297	19	4.4	0
11/12/2022 11:10	3.3	309	20	4.7	0
11/12/2022 11:20	4.2	304	17	6.4	0
11/12/2022 11:30	4.8	304	16	6.6	0
11/12/2022 11:40	4.8	310	12	6.2	0
11/12/2022 11:50	4.2	304	16	5.7	0
11/12/2022 12:00	4.3	303	14	6	0
11/12/2022 12:10	3.6	308	16	5.2	0
11/12/2022 12:20	4.2	313	14	5.4	0
11/12/2022 12:30	4.4	302	17	5.8	0
11/12/2022 12:40	4.8	299	15	6.8	0
11/12/2022 12:50	5.6	300	11	7.8	0
11/12/2022 13:00	5	302	12	6.4	0
11/12/2022 13:10	5	280	17	7.2	0
11/12/2022 13:20	4.5	280	20	6.3	0
11/12/2022 13:30	6	272	16	9.4	0
11/12/2022 13:40	5.8	268	17	7.9	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/12/2022 13:50	6	269	13	8.1	0
11/12/2022 14:00	6.5	257	13	9	0
11/12/2022 14:10	5.9	258	15	8.1	0
11/12/2022 14:20	6.5	258	13	8.6	0
11/12/2022 14:30	6.9	259	13	9.8	0
11/12/2022 14:40	6.6	262	14	9.7	0
11/12/2022 14:50	7.2	261	11	9.8	0
11/12/2022 15:00	7.2	266	12	9.6	0
11/12/2022 15:10	6.6	262	14	9.1	0
11/12/2022 15:20	7	263	11	9.3	0
11/12/2022 15:30	6.8	257	12	9.5	0
11/12/2022 15:40	7.5	263	12	9.9	0
11/12/2022 15:50	8.1	257	11	11.1	0
11/12/2022 16:00	8.1	264	11	11.6	0
11/12/2022 16:10	7.7	261	12	10.2	0
11/12/2022 16:20	7.7	258	11	10.5	0
11/12/2022 16:30	7.5	257	12	9.4	0
11/12/2022 16:40	7.8	263	11	10.2	0
11/12/2022 16:50	6.9	263	11	8.7	0
11/12/2022 17:00	6.9	262	11	9.6	0
11/12/2022 17:10	6.6	261	12	9.1	0
11/12/2022 17:20	6.8	262	12	9.9	0
11/12/2022 17:30	7.5	262	11	10.1	0
11/12/2022 17:40	7	263	11	10.5	0
11/12/2022 17:50	7	265	9	8.8	0
11/12/2022 18:00	7.4	263	9	9.1	0
11/12/2022 18:10	6.5	265	11	8.8	0
11/12/2022 18:20	6.3	265	11	8.9	0
11/12/2022 18:30	6.5	264	12	8.7	0
11/12/2022 18:40	7.3	265	11	9.1	0
11/12/2022 18:50	6.8	263	11	9.4	0
11/12/2022 19:00	6.5	263	10	8.7	0
11/12/2022 19:10	7.1	263	10	10	0
11/12/2022 19:20	6.7	264	11	9.1	0
11/12/2022 19:30	6.3	258	12	8.5	0
11/12/2022 19:40	7	254	11	9.3	0
11/12/2022 19:50	6.8	258	12	9.1	0
11/12/2022 20:00	6.4	255	11	9.1	0
11/12/2022 20:10	6.4	253	12	8.8	0
11/12/2022 20:20	5.7	253	12	7.5	0
11/12/2022 20:30	5.2	253	15	7.5	0
11/12/2022 20:40	5.8	256	13	9.5	0
11/12/2022 20:50	5.9	257	11	7.9	0
11/12/2022 21:00	5	256	13	7.3	0
11/12/2022 21:10	5.4	252	13	8.3	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/12/2022 21:20	5.6	255	11	7.5	0
11/12/2022 21:30	5.2	252	13	6.5	0
11/12/2022 21:40	5.1	252	12	7.2	0
11/12/2022 21:50	5.5	254	12	7.9	0
11/12/2022 22:00	5.3	254	13	8.1	0
11/12/2022 22:10	5.8	254	13	7.4	0
11/12/2022 22:20	5.7	256	12	7.9	0
11/12/2022 22:30	5.4	253	13	7.7	0
11/12/2022 22:40	4.8	245	14	6.9	0
11/12/2022 22:50	5	250	11	6.4	0
11/12/2022 23:00	5.4	249	13	7.6	0
11/12/2022 23:10	5.1	250	12	6.9	0
11/12/2022 23:20	5.1	247	13	7.1	0
11/12/2022 23:30	5.1	250	13	7.1	0
11/12/2022 23:40	5.3	254	13	6.9	0
11/12/2022 23:50	5.4	253	14	7.5	0
12/12/2022 00:00	4.6	252	13	6.4	0
12/12/2022 00:10	4.6	248	14	6.4	0
12/12/2022 00:20	5.4	245	12	8.3	0
12/12/2022 00:30	5.6	246	12	8.2	0
12/12/2022 00:40	5	248	14	6.9	0
12/12/2022 00:50	4.7	247	13	6.6	0
12/12/2022 01:00	4.9	250	11	6.8	0
12/12/2022 01:10	4.5	254	11	6.3	0
12/12/2022 01:20	4.6	253	13	7.3	0
12/12/2022 01:30	4	252	14	5.9	0
12/12/2022 01:40	4.6	254	12	6.7	0
12/12/2022 01:50	4	249	12	5.8	0
12/12/2022 02:00	4.8	246	14	6.7	0
12/12/2022 02:10	4.5	249	12	7.2	0
12/12/2022 02:20	4.3	250	11	6.6	0
12/12/2022 02:30	4.6	245	12	7.2	0
12/12/2022 02:40	4.2	248	12	5.8	0
12/12/2022 02:50	4.5	249	12	6.7	0
12/12/2022 03:00	4.9	250	11	6.6	0
12/12/2022 03:10	5	249	13	7.2	0
12/12/2022 03:20	5.2	248	12	7.1	0
12/12/2022 03:30	4.9	249	10	6.8	0
12/12/2022 03:40	4.5	252	12	6	0
12/12/2022 03:50	4.8	256	11	6.5	0
12/12/2022 04:00	4.4	257	12	6.1	0
12/12/2022 04:10	4.8	258	10	6	0
12/12/2022 04:20	5.5	258	9	7.2	0
12/12/2022 04:30	4.9	256	10	6.6	0
12/12/2022 04:40	5.2	257	10	6.7	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/12/2022 04:50	5.1	256	9	6.8	0
12/12/2022 05:00	4.5	255	10	6.2	0
12/12/2022 05:10	5.2	256	10	6.8	0
12/12/2022 05:20	4.8	256	9	6.3	0
12/12/2022 05:30	4.2	256	11	5.2	0
12/12/2022 05:40	4.6	255	9	6	0
12/12/2022 05:50	4.5	254	9	5.6	0
12/12/2022 06:00	4.6	254	11	6.8	0
12/12/2022 06:10	4.3	258	11	5.8	0
12/12/2022 06:20	4.8	254	10	6	0
12/12/2022 06:30	5.2	256	9	7.1	0
12/12/2022 06:40	4.7	259	10	6.4	0
12/12/2022 06:50	4.8	255	11	6	0
12/12/2022 07:00	4.9	259	12	6.4	0
12/12/2022 07:10	4.3	253	12	5.7	0
12/12/2022 07:20	3.7	254	12	5.1	0
12/12/2022 07:30	3.8	250	12	5.4	0
12/12/2022 07:40	4.5	256	14	6.4	0
12/12/2022 07:50	3.9	262	12	5.4	0
12/12/2022 08:00	4.3	265	11	5.5	0
12/12/2022 08:10	4.7	267	13	6	0
12/12/2022 08:20	4.2	264	16	5.8	0
12/12/2022 08:30	4.8	261	11	5.9	0
12/12/2022 08:40	4.6	258	12	5.9	0
12/12/2022 08:50	4.4	258	12	5.3	0
12/12/2022 09:00	4.1	259	14	5.1	0
12/12/2022 09:10	3.9	272	15	5.2	0
12/12/2022 09:20	3.9	280	14	5.1	0
12/12/2022 09:30	4.4	280	14	5.6	0
12/12/2022 09:40	4.6	280	14	6	0
12/12/2022 09:50	4.5	276	14	5.6	0
12/12/2022 10:00	4.7	282	13	5.9	0
12/12/2022 10:10	5	274	15	6.4	0
12/12/2022 10:20	5.1	273	14	6.6	0
12/12/2022 10:30	5.1	265	12	6.6	0
12/12/2022 10:40	4.9	268	15	6.1	0
12/12/2022 10:50	5.5	265	12	6.9	0
12/12/2022 11:00	5.9	267	12	7.5	0
12/12/2022 11:10	5.8	270	14	7.5	0
12/12/2022 11:20	5.3	274	13	6.9	0
12/12/2022 11:30	4.9	273	15	6.7	0
12/12/2022 11:40	5.1	262	12	6.8	0
12/12/2022 11:50	5.3	261	12	6.6	0
12/12/2022 12:00	6.1	257	11	7.7	0
12/12/2022 12:10	6.3	259	12	8.8	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/12/2022 12:20	6.7	257	10	9.1	0
12/12/2022 12:30	6.7	258	11	8.3	0
12/12/2022 12:40	6.1	262	13	8	0
12/12/2022 12:50	6.6	257	12	8.4	0
12/12/2022 13:00	6.1	257	12	8	0
12/12/2022 13:10	5.5	265	15	7.6	0
12/12/2022 13:20	6.3	260	12	8.6	0
12/12/2022 13:30	6.9	264	12	8.7	0
12/12/2022 13:40	7.2	261	11	9.5	0
12/12/2022 13:50	6.7	262	12	9.1	0
12/12/2022 14:00	7.7	262	10	9.7	0
12/12/2022 14:10	8.5	262	9	11.1	0
12/12/2022 14:20	7.5	268	13	9.9	0
12/12/2022 14:30	7.3	268	14	9.6	0
12/12/2022 14:40	7.9	264	12	10.4	0
12/12/2022 14:50	6.9	268	14	9.7	0
12/12/2022 15:00	7.3	266	12	9.3	0
12/12/2022 15:10	7.4	266	13	9.6	0
12/12/2022 15:20	7	269	14	9.3	0
12/12/2022 15:30	6.9	268	12	9.3	0
12/12/2022 15:40	6.7	271	13	9.8	0
12/12/2022 15:50	7.8	268	11	10.6	0
12/12/2022 16:00	7.4	265	12	9.8	0
12/12/2022 16:10	7.2	266	12	9.8	0
12/12/2022 16:20	6.6	262	13	8.9	0
12/12/2022 16:30	5.9	259	13	8.2	0
12/12/2022 16:40	6.6	263	12	8.6	0
12/12/2022 16:50	6.5	264	12	9.9	0
12/12/2022 17:00	6.5	261	11	8.7	0
12/12/2022 17:10	6.8	262	13	9.1	0
12/12/2022 17:20	7.3	265	10	9.7	0
12/12/2022 17:30	7.6	263	10	9.6	0
12/12/2022 17:40	7.4	264	11	10.4	0
12/12/2022 17:50	7.7	262	10	10.3	0
12/12/2022 18:00	7.5	263	11	9.2	0
12/12/2022 18:10	7.4	264	10	10.3	0
12/12/2022 18:20	6.6	263	10	8.9	0
12/12/2022 18:30	5.8	264	14	8.1	0
12/12/2022 18:40	6.3	264	12	9.4	0
12/12/2022 18:50	6.2	265	11	9.1	0
12/12/2022 19:00	7.1	264	11	9.4	0
12/12/2022 19:10	7.7	265	10	10.3	0
12/12/2022 19:20	7.9	264	9	9.9	0
12/12/2022 19:30	7.2	264	9	9.1	0
12/12/2022 19:40	6.6	264	11	8.5	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/12/2022 19:50	5.2	258	12	7	0
12/12/2022 20:00	5.4	262	11	7.5	0
12/12/2022 20:10	4.9	260	12	7	0
12/12/2022 20:20	4.8	256	13	7.2	0
12/12/2022 20:30	5.4	256	13	8.1	0
12/12/2022 20:40	5.3	255	10	7.3	0
12/12/2022 20:50	5.8	257	11	8.7	0
12/12/2022 21:00	5.7	256	14	8	0
12/12/2022 21:10	5.7	259	10	7.5	0
12/12/2022 21:20	6.2	256	12	8.3	0
12/12/2022 21:30	5.2	256	13	7.2	0
12/12/2022 21:40	5.2	258	11	7.3	0
12/12/2022 21:50	5.3	254	10	7.3	0
12/12/2022 22:00	5.6	255	12	7.9	0
12/12/2022 22:10	4.4	249	15	6.3	0
12/12/2022 22:20	4.8	252	12	6.9	0
12/12/2022 22:30	4.6	251	14	6.7	0
12/12/2022 22:40	4.2	246	13	5.9	0
12/12/2022 22:50	5.1	256	11	7.1	0
12/12/2022 23:00	5.3	258	11	6.8	0
12/12/2022 23:10	4.8	252	12	6.4	0
12/12/2022 23:20	4.8	255	10	6.6	0
12/12/2022 23:30	5.1	254	11	7.2	0
12/12/2022 23:40	4.8	255	11	6.8	0
12/12/2022 23:50	5.1	258	11	7.4	0
13/12/2022 00:00	5.1	258	10	7	0
13/12/2022 00:10	4.8	256	10	6.5	0
13/12/2022 00:20	4.8	256	11	6.2	0
13/12/2022 00:30	4.9	256	11	6.5	0
13/12/2022 00:40	5	257	10	6.8	0
13/12/2022 00:50	4.9	256	11	6.4	0
13/12/2022 01:00	5	255	11	6.8	0
13/12/2022 01:10	5	256	10	6.3	0
13/12/2022 01:20	5	257	11	6.7	0
13/12/2022 01:30	4.7	256	10	6	0
13/12/2022 01:40	4.5	258	10	5.7	0
13/12/2022 01:50	4.4	256	10	5.9	0
13/12/2022 02:00	4.1	257	11	5.5	0
13/12/2022 02:10	4.3	257	10	5.6	0
13/12/2022 02:20	4.4	256	12	5.6	0
13/12/2022 02:30	4.2	254	13	5.6	0
13/12/2022 02:40	3.4	257	10	4.4	0
13/12/2022 02:50	3.1	254	11	4.5	0
13/12/2022 03:00	2.7	256	10	4	0
13/12/2022 03:10	3.4	260	9	4.5	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/12/2022 03:20	3.5	256	11	4.5	0
13/12/2022 03:30	3.7	257	10	4.8	0
13/12/2022 03:40	3.8	256	10	5.1	0
13/12/2022 03:50	3.8	256	10	5	0
13/12/2022 04:00	4	260	8	5.2	0
13/12/2022 04:10	3.8	257	10	5.3	0
13/12/2022 04:20	3.3	258	10	4.4	0
13/12/2022 04:30	3.2	261	10	4	0
13/12/2022 04:40	3.6	261	9	4.7	0
13/12/2022 04:50	3.3	259	11	4.6	0
13/12/2022 05:00	2.7	255	11	3.6	0
13/12/2022 05:10	3.1	259	10	3.9	0
13/12/2022 05:20	3.2	257	10	4.2	0
13/12/2022 05:30	3.4	259	9	4.4	0
13/12/2022 05:40	4	263	8	5.2	0
13/12/2022 05:50	3.8	257	8	5	0
13/12/2022 06:00	4	256	11	5.2	0
13/12/2022 06:10	4.5	255	10	5.8	0
13/12/2022 06:20	4	254	10	5.2	0
13/12/2022 06:30	4.6	256	10	5.7	0
13/12/2022 06:40	4.2	251	10	5.5	0
13/12/2022 06:50	3.7	253	12	5.1	0
13/12/2022 07:00	4.4	255	8	5.9	0
13/12/2022 07:10	5	255	10	6.4	0
13/12/2022 07:20	5.1	255	10	6.5	0
13/12/2022 07:30	5.3	253	12	6.8	0
13/12/2022 07:40	5	251	12	6.6	0
13/12/2022 07:50	5	243	11	6.9	0
13/12/2022 08:00	4.7	254	13	6.4	0
13/12/2022 08:10	4.6	251	11	6.1	0
13/12/2022 08:20	4.1	259	13	5.6	0
13/12/2022 08:30	3.6	268	15	4.8	0
13/12/2022 08:40	4.4	276	13	5.7	0
13/12/2022 08:50	4.7	262	12	5.7	0
13/12/2022 09:00	5.1	258	11	6.4	0
13/12/2022 09:10	5.3	259	11	6.8	0
13/12/2022 09:20	5.1	261	10	6.5	0
13/12/2022 09:30	5.5	262	10	6.9	0
13/12/2022 09:40	5.8	263	10	7.3	0
13/12/2022 09:50	6	261	11	7.4	0
13/12/2022 10:00	5.7	260	10	7.2	0
13/12/2022 10:10	5.9	263	11	7.4	0
13/12/2022 10:20	5.9	262	10	7.2	0
13/12/2022 10:30	5.5	261	13	6.8	0
13/12/2022 10:40	5.7	271	14	7.5	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/12/2022 10:50	6.1	266	11	7.9	0
13/12/2022 11:00	6	272	15	7.8	0
13/12/2022 11:10	5.4	271	14	7	0
13/12/2022 11:20	4.8	270	14	6.4	0
13/12/2022 11:30	4.4	267	17	6	0
13/12/2022 11:40	4.5	270	15	6.7	0
13/12/2022 11:50	5.6	272	15	7.2	0
13/12/2022 12:00	5.8	275	14	7.4	0
13/12/2022 12:10	5.2	268	15	6.8	0
13/12/2022 12:20	4.6	266	15	5.7	0
13/12/2022 12:30	4.6	255	12	6.5	0
13/12/2022 12:40	4.9	257	13	6.3	0
13/12/2022 12:50	5.1	261	12	6.4	0
13/12/2022 13:00	5.2	254	10	6.5	0
13/12/2022 13:10	5.7	265	13	7	0
13/12/2022 13:20	5.6	257	12	7.2	0
13/12/2022 13:30	5.3	262	11	6.6	0
13/12/2022 13:40	5.4	264	15	7.1	0
13/12/2022 13:50	5.6	263	12	7.4	0
13/12/2022 14:00	5.6	264	12	7	0
13/12/2022 14:10	5.1	262	14	7	0
13/12/2022 14:20	5	270	13	6.4	0
13/12/2022 14:30	5.2	274	16	7.1	0
13/12/2022 14:40	4.9	268	18	6.5	0
13/12/2022 14:50	4.8	273	16	6	0
13/12/2022 15:00	4.4	278	15	6	0
13/12/2022 15:10	4.8	289	16	6.1	0
13/12/2022 15:20	4.9	294	12	6.3	0
13/12/2022 15:30	5.1	297	11	6.4	0
13/12/2022 15:40	4.8	297	12	6.5	0
13/12/2022 15:50	4.9	296	13	7.2	0
13/12/2022 16:00	5.3	293	12	6.7	0
13/12/2022 16:10	4.9	296	12	6.7	0
13/12/2022 16:20	5	295	13	6.8	0
13/12/2022 16:30	5.2	299	11	6.5	0
13/12/2022 16:40	4.9	294	12	6.2	0
13/12/2022 16:50	4.6	292	15	6.4	0
13/12/2022 17:00	5.2	298	10	6.6	0
13/12/2022 17:10	4.4	291	13	5.8	0
13/12/2022 17:20	4.6	276	16	6	0
13/12/2022 17:30	3.8	295	20	5.7	0
13/12/2022 17:40	5.5	265	13	8	0
13/12/2022 17:50	5.8	265	14	7.4	0
13/12/2022 18:00	6.1	270	11	8.1	0
13/12/2022 18:10	5.4	278	14	7.9	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/12/2022 18:20	5.3	280	13	7.3	0
13/12/2022 18:30	5	279	15	7.3	0
13/12/2022 18:40	4.6	280	15	6.6	0
13/12/2022 18:50	5	271	14	7	0
13/12/2022 19:00	4.9	268	14	6.4	0
13/12/2022 19:10	4.7	271	16	6.5	0
13/12/2022 19:20	4.5	272	14	6.4	0
13/12/2022 19:30	4.1	276	15	6	0
13/12/2022 19:40	4.7	271	13	6.6	0
13/12/2022 19:50	5	270	13	6.9	0
13/12/2022 20:00	5.1	265	13	7	0
13/12/2022 20:10	5.3	262	13	7.9	0
13/12/2022 20:20	4.7	259	12	7.4	0
13/12/2022 20:30	5	255	12	7.1	0
13/12/2022 20:40	5.2	254	13	7.4	0
13/12/2022 20:50	4.7	255	13	6.5	0
13/12/2022 21:00	5.3	256	12	7.2	0
13/12/2022 21:10	5.5	256	11	7.2	0
13/12/2022 21:20	5	253	11	7	0
13/12/2022 21:30	4.4	252	13	6.8	0
13/12/2022 21:40	4.3	255	12	5.9	0
13/12/2022 21:50	4.3	254	14	5.8	0
13/12/2022 22:00	4.7	255	12	6.7	0
13/12/2022 22:10	4.8	252	12	6.8	0
13/12/2022 22:20	4.7	253	12	6.9	0
13/12/2022 22:30	5.5	256	12	7.3	0
13/12/2022 22:40	4.8	255	11	6.2	0
13/12/2022 22:50	4	249	11	5.5	0
13/12/2022 23:00	4.6	255	10	6	0
13/12/2022 23:10	4.5	255	11	6.7	0
13/12/2022 23:20	4.7	255	11	6.1	0
13/12/2022 23:30	4.8	257	12	6.5	0
13/12/2022 23:40	4	254	11	6	0
13/12/2022 23:50	5	258	10	6.8	0
14/12/2022 00:00	4.8	261	10	6.2	0
14/12/2022 00:10	4.6	258	11	6.4	0
14/12/2022 00:20	4.8	258	11	6.4	0
14/12/2022 00:30	4.4	256	10	6.1	0
14/12/2022 00:40	4.5	257	11	5.8	0
14/12/2022 00:50	3.4	255	12	4.9	0
14/12/2022 01:00	3.4	255	14	4.8	0
14/12/2022 01:10	3.9	258	11	5	0
14/12/2022 01:20	4.2	260	9	5.6	0
14/12/2022 01:30	4.3	261	11	5.2	0
14/12/2022 01:40	4	256	11	5.3	0



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/12/2022 01:50	4	257	10	5.2	0
14/12/2022 02:00	4	256	10	5.3	0
14/12/2022 02:10	3.8	255	11	4.8	0
14/12/2022 02:20	3.6	256	10	5.1	0
14/12/2022 02:30	3.7	258	9	4.6	0
14/12/2022 02:40	3.9	260	10	5.2	0
14/12/2022 02:50	3.9	256	10	5	0
14/12/2022 03:00	3.8	257	10	4.8	0
14/12/2022 03:10	4.1	254	10	5.6	0
14/12/2022 03:20	3.5	253	10	4.8	0
14/12/2022 03:30	3.3	250	12	4.2	0
14/12/2022 03:40	3.5	248	12	4.7	0
14/12/2022 03:50	3.3	254	10	4.4	0
14/12/2022 04:00	2.9	246	10	4.2	0
14/12/2022 04:10	2.6	255	9	3.5	0
14/12/2022 04:20	2.8	255	10	3.9	0
14/12/2022 04:30	2.7	256	12	3.9	0
14/12/2022 04:40	2.6	251	10	3.2	0
14/12/2022 04:50	2.5	254	9	3.7	0
14/12/2022 05:00	2.2	252	11	3	0
14/12/2022 05:10	2.5	251	11	3.4	0
14/12/2022 05:20	2.2	248	11	3	0
14/12/2022 05:30	2.1	255	9	2.6	0
14/12/2022 05:40	2.1	235	15	3.2	0
14/12/2022 05:50	1.3	211	27	2.1	0
14/12/2022 06:00	1.8	233	17	2.6	0
14/12/2022 06:10	2	231	13	3	0
14/12/2022 06:20	2.5	235	10	3.6	0
14/12/2022 06:30	2.7	240	13	3.7	0
14/12/2022 06:40	2.9	245	11	3.6	0
14/12/2022 06:50	2.6	246	13	3.2	0
14/12/2022 07:00	1.9	241	14	2.7	0
14/12/2022 07:10	1.9	233	18	2.4	0
14/12/2022 07:20	1.6	191	36	2.4	0
14/12/2022 07:30	3	112	16	4.7	0
14/12/2022 07:40	2.9	117	15	4.3	0
14/12/2022 07:50	3	105	13	4.1	0
14/12/2022 08:00	3	81	14	4.5	0
14/12/2022 08:10	3.7	92	13	5.2	0
14/12/2022 08:20	3.4	87	17	4.7	0
14/12/2022 08:30	4	88	13	5.8	0
14/12/2022 08:40	3.9	84	14	5.6	0
14/12/2022 08:50	3.7	77	16	5.1	0
14/12/2022 09:00	3.6	77	15	5.2	0
14/12/2022 09:10	3.2	78	15	4.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/12/2022 09:20	2.8	98	19	4	0
14/12/2022 09:30	4.2	91	12	6.5	0
14/12/2022 09:40	4.7	87	14	6.4	0
14/12/2022 09:50	4.6	94	13	6.7	0
14/12/2022 10:00	4.9	77	13	6.4	0
14/12/2022 10:10	5	88	12	6.8	0
14/12/2022 10:20	4.9	91	15	6.5	0
14/12/2022 10:30	4.8	80	13	7.1	0
14/12/2022 10:40	5.3	76	14	7.1	0
14/12/2022 10:50	5.3	72	14	7.1	0
14/12/2022 11:00	5.2	76	14	6.9	0
14/12/2022 11:10	4.9	75	14	7.4	0
14/12/2022 11:20	5.4	70	15	7.9	0
14/12/2022 11:30	5.7	69	11	7.4	0
14/12/2022 11:40	5.7	64	12	7.5	0
14/12/2022 11:50	5.6	77	13	7.5	0
14/12/2022 12:00	6.1	69	12	8.7	0
14/12/2022 12:10	6.5	80	12	8.7	0
14/12/2022 12:20	5.9	78	13	8.4	0
14/12/2022 12:30	6.2	72	12	8.3	0
14/12/2022 12:40	7.2	73	11	9.3	0
14/12/2022 12:50	7.2	75	11	9.5	0
14/12/2022 13:00	7	74	10	9.1	0
14/12/2022 13:10	6.7	74	11	8.9	0
14/12/2022 13:20	6.5	76	13	8.5	0
14/12/2022 13:30	5.7	70	14	8.3	0
14/12/2022 13:40	6	72	13	8.9	0
14/12/2022 13:50	5.2	63	18	7.3	0
14/12/2022 14:00	4.6	43	20	7	0
14/12/2022 14:10	4.7	38	17	6.4	0
14/12/2022 14:20	4.5	53	16	6.7	0
14/12/2022 14:30	3.7	35	23	5.8	0
14/12/2022 14:40	3.7	16	23	5.2	0
14/12/2022 14:50	3.7	172	22	6.1	0
14/12/2022 15:00	4.3	334	21	6.1	0
14/12/2022 15:10	4.1	340	21	6.2	0
14/12/2022 15:20	4	354	20	5.8	0
14/12/2022 15:30	4.5	349	19	6	0
14/12/2022 15:40	4.3	342	20	6.7	0
14/12/2022 15:50	5	339	21	7.1	0
14/12/2022 16:00	4.8	341	18	6.9	0
14/12/2022 16:10	4.9	349	20	6.9	0
14/12/2022 16:20	4.9	347	16	7.2	0
14/12/2022 16:30	4.1	345	19	6.7	0
14/12/2022 16:40	4.1	320	21	6.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/12/2022 16:50	3.5	329	21	5.5	0
14/12/2022 17:00	3.6	322	22	6	0
14/12/2022 17:10	3.4	335	25	5.4	0
14/12/2022 17:20	3.8	318	22	6.5	0
14/12/2022 17:30	4.4	307	14	6.4	0
14/12/2022 17:40	5.3	301	11	7.9	0
14/12/2022 17:50	5	297	13	6.2	0
14/12/2022 18:00	5.3	293	11	6.9	0
14/12/2022 18:10	5.5	296	10	6.8	0
14/12/2022 18:20	4.7	299	10	6.2	0
14/12/2022 18:30	4.1	300	13	5.7	0
14/12/2022 18:40	4.1	277	17	5.9	0
14/12/2022 18:50	4.1	273	17	5.5	0
14/12/2022 19:00	4.1	273	14	5.2	0
14/12/2022 19:10	4.8	264	13	6.8	0
14/12/2022 19:20	4.2	268	12	5.9	0
14/12/2022 19:30	4.5	265	12	6	0
14/12/2022 19:40	4.1	274	15	5.7	0
14/12/2022 19:50	4.5	267	12	5.9	0
14/12/2022 20:00	4.6	267	10	6.1	0
14/12/2022 20:10	4.9	262	9	6.3	0
14/12/2022 20:20	4.7	262	10	6	0
14/12/2022 20:30	4.2	264	9	5.4	0
14/12/2022 20:40	4.6	262	8	5.6	0
14/12/2022 20:50	3.7	272	12	4.8	0
14/12/2022 21:00	3.6	271	13	4.8	0
14/12/2022 21:10	3.6	272	12	4.7	0
14/12/2022 21:20	3.9	270	12	5.8	0
14/12/2022 21:30	4	267	14	5.6	0
14/12/2022 21:40	3.9	269	14	5.5	0
14/12/2022 21:50	4.9	262	10	6.4	0
14/12/2022 22:00	4.9	264	11	7.1	0
14/12/2022 22:10	5	262	10	7	0
14/12/2022 22:20	5.3	264	8	6.9	0
14/12/2022 22:30	5.3	265	10	6.8	0
14/12/2022 22:40	5.3	264	12	6.8	0
14/12/2022 22:50	5.4	264	9	6.9	0
14/12/2022 23:00	5.1	263	10	7.1	0
14/12/2022 23:10	5.4	264	10	7.5	0
14/12/2022 23:20	5.3	260	10	7.2	0
14/12/2022 23:30	5.3	264	11	7.5	0
14/12/2022 23:40	4.9	266	8	6.1	0
14/12/2022 23:50	4.1	261	12	5.7	0
15/12/2022 00:00	4.6	256	11	6	0
15/12/2022 00:10	5.3	255	11	6.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/12/2022 00:20	5.9	258	10	7.7	0
15/12/2022 00:30	5.2	254	12	7.4	0
15/12/2022 00:40	4.1	250	14	6.3	0
15/12/2022 00:50	5.4	259	11	7.8	0
15/12/2022 01:00	5.4	254	11	7.7	0
15/12/2022 01:10	5.8	254	10	7.9	0
15/12/2022 01:20	5.6	255	12	8.3	0
15/12/2022 01:30	5.2	248	12	7.2	0
15/12/2022 01:40	4.4	246	12	7.3	0
15/12/2022 01:50	5	252	12	7.7	0
15/12/2022 02:00	4.8	248	14	6.8	0
15/12/2022 02:10	4.8	248	11	7.4	0
15/12/2022 02:20	4.8	245	13	7.2	0
15/12/2022 02:30	4.7	246	11	6.9	0
15/12/2022 02:40	5	253	11	7	0
15/12/2022 02:50	4.2	252	13	6	0
15/12/2022 03:00	4.6	253	11	6.2	0
15/12/2022 03:10	4.8	255	10	6.5	0
15/12/2022 03:20	5.1	253	13	7.1	0
15/12/2022 03:30	4.3	254	11	5.9	0
15/12/2022 03:40	4.5	258	13	6.2	0
15/12/2022 03:50	4	253	12	5.9	0
15/12/2022 04:00	3.9	248	12	5.4	0
15/12/2022 04:10	4	250	12	5.7	0
15/12/2022 04:20	3.8	253	12	5.1	0
15/12/2022 04:30	4.4	258	12	5.8	0
15/12/2022 04:40	4.7	255	9	6.2	0
15/12/2022 04:50	4.9	256	10	6.9	0
15/12/2022 05:00	4.4	247	12	6	0
15/12/2022 05:10	4.3	247	11	6	0
15/12/2022 05:20	4	253	13	5.5	0
15/12/2022 05:30	4.1	249	13	5.4	0
15/12/2022 05:40	4.6	247	12	6.5	0
15/12/2022 05:50	4.2	250	13	6.6	0
15/12/2022 06:00	4.1	249	12	5.3	0
15/12/2022 06:10	4.5	245	12	6.4	0
15/12/2022 06:20	4.4	247	11	6	0
15/12/2022 06:30	4.6	248	12	6.4	0
15/12/2022 06:40	4.6	248	12	6	0
15/12/2022 06:50	4.7	248	11	6.1	0
15/12/2022 07:00	4.3	252	13	5.8	0
15/12/2022 07:10	4.3	255	11	5.8	0
15/12/2022 07:20	4.9	257	12	6.6	0
15/12/2022 07:30	4.8	254	11	6.4	0
15/12/2022 07:40	4.5	253	11	5.8	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/12/2022 07:50	4.3	257	11	5.6	0
15/12/2022 08:00	4.6	257	12	6.4	0
15/12/2022 08:10	4.8	259	12	6.4	0
15/12/2022 08:20	4.8	259	13	6.2	0
15/12/2022 08:30	4.8	265	12	6.4	0
15/12/2022 08:40	5.4	266	11	6.7	0
15/12/2022 08:50	5.2	263	12	6.6	0
15/12/2022 09:00	5.6	262	11	6.9	0
15/12/2022 09:10	5.9	261	12	7.1	0
15/12/2022 09:20	5.7	262	12	7.2	0
15/12/2022 09:30	5.9	262	10	7.5	0
15/12/2022 09:40	6.1	263	10	7.5	0
15/12/2022 09:50	5.6	259	11	7.3	0
15/12/2022 10:00	5.6	266	15	7.1	0
15/12/2022 10:10	5.9	266	14	7.5	0
15/12/2022 10:20	5.9	272	13	8.2	0
15/12/2022 10:30	5.9	272	15	7.8	0
15/12/2022 10:40	6	268	15	8.5	0
15/12/2022 10:50	6.4	262	11	8.3	0
15/12/2022 11:00	6.3	265	11	8.1	0
15/12/2022 11:10	6.7	263	11	8.2	0
15/12/2022 11:20	6.4	267	11	8.1	0
15/12/2022 11:30	6.2	274	15	8.3	0
15/12/2022 11:40	6.6	267	14	8.3	0
15/12/2022 11:50	6.3	266	13	8.6	0
15/12/2022 12:00	6.9	263	12	8.3	0
15/12/2022 12:10	6.3	270	14	8.2	0
15/12/2022 12:20	6.6	262	11	8.3	0
15/12/2022 12:30	6.5	262	11	8.7	0
15/12/2022 12:40	6.3	261	11	8.7	0
15/12/2022 12:50	6.5	263	10	8.2	0
15/12/2022 13:00	6.6	263	11	9	0
15/12/2022 13:10	6.2	259	12	8.3	0
15/12/2022 13:20	6.3	264	14	8.6	0
15/12/2022 13:30	6.4	264	12	8.1	0
15/12/2022 13:40	6.3	260	12	8.3	0
15/12/2022 13:50	6.1	257	12	8.4	0
15/12/2022 14:00	7.5	262	10	9.6	0
15/12/2022 14:10	7.5	258	11	9.9	0
15/12/2022 14:20	7.1	257	11	8.9	0
15/12/2022 14:30	7.7	262	11	10.1	0
15/12/2022 14:40	8.1	264	10	10.1	0
15/12/2022 14:50	7.6	262	13	9.7	0
15/12/2022 15:00	6.9	263	13	9.6	0
15/12/2022 15:10	7.7	260	11	9.9	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/12/2022 15:20	7.8	266	11	10.5	0
15/12/2022 15:30	8.2	264	10	10.7	0
15/12/2022 15:40	7.6	262	10	9.6	0
15/12/2022 15:50	7.4	264	12	9.5	0
15/12/2022 16:00	6.8	266	14	9	0
15/12/2022 16:10	7.1	265	12	9.9	0
15/12/2022 16:20	8.3	262	9	10.7	0
15/12/2022 16:30	8.4	264	11	11.5	0
15/12/2022 16:40	8.2	264	12	10.7	0
15/12/2022 16:50	7.3	265	12	10.5	0
15/12/2022 17:00	6.9	262	12	8.9	0
15/12/2022 17:10	6.6	261	10	9	0
15/12/2022 17:20	7.1	265	11	9.3	0
15/12/2022 17:30	7	265	11	10.6	0
15/12/2022 17:40	7.6	264	11	9.6	0
15/12/2022 17:50	7.4	266	11	9.4	0
15/12/2022 18:00	6.9	263	10	9.5	0
15/12/2022 18:10	7.8	265	11	10.5	0
15/12/2022 18:20	7.5	262	12	9.9	0
15/12/2022 18:30	7	263	12	9.6	0
15/12/2022 18:40	7.4	264	10	9.5	0
15/12/2022 18:50	7.8	266	10	10.7	0
15/12/2022 19:00	8	263	10	10.3	0
15/12/2022 19:10	6.9	260	11	9.4	0
15/12/2022 19:20	6.8	259	11	9	0
15/12/2022 19:30	5.7	259	11	7.9	0
15/12/2022 19:40	6.9	258	12	9.7	0
15/12/2022 19:50	6.5	256	13	9.5	0
15/12/2022 20:00	7.1	256	11	9.9	0
15/12/2022 20:10	7.2	258	11	10.7	0
15/12/2022 20:20	6.7	257	13	9.1	0
15/12/2022 20:30	6.9	257	11	9.9	0
15/12/2022 20:40	6.7	257	12	9.4	0
15/12/2022 20:50	6.6	260	13	9	0
15/12/2022 21:00	6.1	258	11	9.2	0
15/12/2022 21:10	6.3	257	12	8.7	0
15/12/2022 21:20	6.4	254	12	8.9	0
15/12/2022 21:30	6.2	256	13	8.5	0
15/12/2022 21:40	5.7	255	10	8.7	0
15/12/2022 21:50	6.1	257	11	9	0
15/12/2022 22:00	6.3	255	12	8.6	0
15/12/2022 22:10	5.8	254	11	8.4	0
15/12/2022 22:20	5	254	13	7.5	0
15/12/2022 22:30	5.4	250	13	7.5	0
15/12/2022 22:40	5.5	257	13	7.4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/12/2022 22:50	6.4	255	12	8.7	0
15/12/2022 23:00	6.5	256	10	9.1	0
15/12/2022 23:10	6.7	254	12	9.1	0
15/12/2022 23:20	6.1	255	12	8.6	0
15/12/2022 23:30	5.8	251	12	8.4	0
15/12/2022 23:40	4.8	248	13	7	0
15/12/2022 23:50	5.5	255	12	8.4	0
16/12/2022 00:00	4.9	253	12	7.5	0
16/12/2022 00:10	4.4	250	12	6.6	0
16/12/2022 00:20	4.6	247	14	7	0
16/12/2022 00:30	4.5	251	12	6.7	0
16/12/2022 00:40	5.2	249	12	8.3	0
16/12/2022 00:50	5.1	253	12	8.3	0
16/12/2022 01:00	5.3	248	14	7.6	0
16/12/2022 01:10	5.6	252	12	7.6	0
16/12/2022 01:20	5.5	248	12	7.7	0
16/12/2022 01:30	5.1	251	12	7.9	0
16/12/2022 01:40	5.1	252	13	7	0
16/12/2022 01:50	5.5	246	13	7.5	0
16/12/2022 02:00	5.5	251	12	8	0
16/12/2022 02:10	5.3	252	11	7.6	0
16/12/2022 02:20	5.4	248	12	7.7	0
16/12/2022 02:30	5.2	249	14	7.2	0
16/12/2022 02:40	4.9	253	13	7	0
16/12/2022 02:50	5.3	249	12	7.8	0
16/12/2022 03:00	5.4	250	12	7.9	0
16/12/2022 03:10	5	252	12	7.5	0
16/12/2022 03:20	4.6	250	11	6.7	0
16/12/2022 03:30	5.1	250	11	7.4	0
16/12/2022 03:40	5.7	243	13	7.7	0
16/12/2022 03:50	5.3	243	11	6.8	0
16/12/2022 04:00	4.9	247	10	6.6	0
16/12/2022 04:10	5.2	247	11	6.9	0
16/12/2022 04:20	4.9	252	12	6.9	0
16/12/2022 04:30	5.1	256	11	6.8	0
16/12/2022 04:40	5.7	257	10	7.2	0
16/12/2022 04:50	6	257	9	7.7	0
16/12/2022 05:00	6.2	255	10	7.5	0
16/12/2022 05:10	6.2	255	10	8.3	0
16/12/2022 05:20	5.8	258	10	7.5	0
16/12/2022 05:30	5.1	258	10	6.8	0
16/12/2022 05:40	6.1	256	9	8.3	0
16/12/2022 05:50	6	256	10	7.9	0
16/12/2022 06:00	6.4	257	11	7.9	0
16/12/2022 06:10	6.1	258	12	7.8	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/12/2022 06:20	6.3	256	10	8.2	0
16/12/2022 06:30	5.9	254	12	7.9	0
16/12/2022 06:40	5.7	255	12	7.6	0
16/12/2022 06:50	5.1	253	11	6.5	0
16/12/2022 07:00	5.9	251	13	7.8	0
16/12/2022 07:10	5.8	250	12	8.2	0
16/12/2022 07:20	5.5	252	12	7.2	0
16/12/2022 07:30	5.2	253	13	7.1	0
16/12/2022 07:40	5.1	254	13	6.8	0
16/12/2022 07:50	5.5	256	11	7.2	0
16/12/2022 08:00	5.3	249	14	6.8	0
16/12/2022 08:10	5.1	253	10	6.7	0
16/12/2022 08:20	4.8	250	14	6.4	0
16/12/2022 08:30	5.1	256	14	6.8	0
16/12/2022 08:40	5.1	268	11	6.6	0
16/12/2022 08:50	5.9	264	10	7.6	0
16/12/2022 09:00	5.8	266	14	8.3	0
16/12/2022 09:10	5.7	266	12	7.8	0
16/12/2022 09:20	6.6	270	12	9	0
16/12/2022 09:30	6.1	273	14	7.8	0
16/12/2022 09:40	6.9	264	12	8.6	0
16/12/2022 09:50	6.4	269	15	8.3	0
16/12/2022 10:00	6.6	266	14	8.8	0
16/12/2022 10:10	6.8	269	13	8.8	0
16/12/2022 10:20	6.2	268	14	8	0
16/12/2022 10:30	6.4	265	12	8.6	0
16/12/2022 10:40	6.8	260	10	8.5	0
16/12/2022 10:50	6.5	262	14	8.7	0
16/12/2022 11:00	6.5	271	15	8.5	0
16/12/2022 11:10	6.5	263	14	8.3	0
16/12/2022 11:20	6.7	266	14	9	0
16/12/2022 11:30	6.7	270	15	8.4	0
16/12/2022 11:40	6.5	274	15	8.4	0
16/12/2022 11:50	6.7	264	14	9.1	0
16/12/2022 12:00	6.2	267	14	7.9	0
16/12/2022 12:10	6.2	270	16	8.1	0
16/12/2022 12:20	6.3	272	16	8.2	0
16/12/2022 12:30	7.1	260	11	9.1	0
16/12/2022 12:40	7.4	263	10	9.2	0
16/12/2022 12:50	7	262	9	9.4	0
16/12/2022 13:00	6.4	260	14	8.6	0
16/12/2022 13:10	7.3	260	10	9.5	0
16/12/2022 13:20	6.7	260	13	8.7	0
16/12/2022 13:30	7	261	12	9.5	0
16/12/2022 13:40	6.5	262	11	8.7	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/12/2022 13:50	6.8	260	13	8.7	0
16/12/2022 14:00	7.1	261	12	9.5	0
16/12/2022 14:10	8.2	261	12	11	0
16/12/2022 14:20	7.7	264	11	10.1	0
16/12/2022 14:30	7.7	263	12	11	0
16/12/2022 14:40	8.3	263	12	10.7	0
16/12/2022 14:50	7.7	262	11	10.1	0
16/12/2022 15:00	7.9	264	12	10.1	0
16/12/2022 15:10	6.7	264	12	9.2	0
16/12/2022 15:20	6.1	282	16	9.5	0
16/12/2022 15:30	6.6	287	17	9.1	0
16/12/2022 15:40	6.3	266	15	8.6	0
16/12/2022 15:50	7.5	259	12	10	0
16/12/2022 16:00	7.6	261	12	10.4	0
16/12/2022 16:10	7.8	261	11	10.3	0
16/12/2022 16:20	7.8	257	11	9.9	0
16/12/2022 16:30	7.4	262	12	10.6	0
16/12/2022 16:40	8.2	261	12	10.7	0
16/12/2022 16:50	8.2	264	12	10.5	0
16/12/2022 17:00	8.7	262	10	11.7	0
16/12/2022 17:10	7.3	269	14	9.5	0
16/12/2022 17:20	8.2	261	10	10.3	0
16/12/2022 17:30	9	263	11	12.1	0
16/12/2022 17:40	8.3	265	11	10.9	0
16/12/2022 17:50	7.9	265	12	10.6	0
16/12/2022 18:00	7.4	266	13	10	0
16/12/2022 18:10	6.7	264	11	9.1	0
16/12/2022 18:20	7.1	266	13	10	0
16/12/2022 18:30	7.6	265	12	10.4	0
16/12/2022 18:40	7.2	266	12	9.5	0
16/12/2022 18:50	7.5	265	11	10.4	0
16/12/2022 19:00	7.6	262	12	10.1	0
16/12/2022 19:10	6.8	267	11	9.9	0
16/12/2022 19:20	6.9	265	12	9.1	0
16/12/2022 19:30	7.2	269	11	9.4	0
16/12/2022 19:40	6.6	267	11	8.9	0
16/12/2022 19:50	7.3	266	11	10	0
16/12/2022 20:00	7.5	263	11	9.6	0
16/12/2022 20:10	6.8	264	11	8.6	0
16/12/2022 20:20	7.1	268	12	9.9	0
16/12/2022 20:30	7.8	264	8	10.7	0
16/12/2022 20:40	7.3	262	11	10	0
16/12/2022 20:50	7.3	267	10	9.5	0
16/12/2022 21:00	7.4	263	12	10.2	0
16/12/2022 21:10	7.5	264	11	10	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/12/2022 21:20	7.3	266	11	9.7	0
16/12/2022 21:30	7	266	10	9.5	0
16/12/2022 21:40	8.3	262	9	10.6	0
16/12/2022 21:50	7.2	266	12	10.3	0
16/12/2022 22:00	7.6	264	11	9.9	0
16/12/2022 22:10	8.3	263	9	10.9	0
16/12/2022 22:20	8.3	264	10	11.1	0
16/12/2022 22:30	7.4	265	10	9.8	0
16/12/2022 22:40	7.8	261	11	10.7	0
16/12/2022 22:50	7.4	263	10	9.7	0
16/12/2022 23:00	7.6	264	10	9.8	0
16/12/2022 23:10	7.3	268	12	9.9	0
16/12/2022 23:20	8	262	10	10.6	0
16/12/2022 23:30	8.3	263	10	10.5	0
16/12/2022 23:40	8.4	264	9	11	0
16/12/2022 23:50	8.5	262	10	10.5	0
17/12/2022 00:00	7.9	261	9	11.1	0
17/12/2022 00:10	8.1	263	11	10.3	0
17/12/2022 00:20	8.3	263	10	11.4	0
17/12/2022 00:30	8.1	261	10	10.6	0
17/12/2022 00:40	8.1	264	10	10.5	0
17/12/2022 00:50	7.8	262	10	10.2	0
17/12/2022 01:00	8.6	263	11	11.7	0
17/12/2022 01:10	7.7	260	11	10.4	0
17/12/2022 01:20	7.9	261	10	11.2	0
17/12/2022 01:30	7.9	261	11	10.1	0
17/12/2022 01:40	7.4	261	11	9.9	0
17/12/2022 01:50	8	262	10	11.2	0
17/12/2022 02:00	9	262	11	11.9	0
17/12/2022 02:10	8.6	262	9	11.7	0
17/12/2022 02:20	8.1	261	10	11.1	0
17/12/2022 02:30	8.4	263	11	11.1	0
17/12/2022 02:40	8.3	262	11	10.7	0
17/12/2022 02:50	7.5	261	11	10.6	0
17/12/2022 03:00	8.1	263	10	10.2	0
17/12/2022 03:10	8.3	261	9	11.1	0
17/12/2022 03:20	7.8	261	11	11.1	0
17/12/2022 03:30	7.7	259	11	10.2	0
17/12/2022 03:40	7.2	254	12	9.7	0
17/12/2022 03:50	7.3	258	11	10	0
17/12/2022 04:00	7.8	254	11	11.4	0
17/12/2022 04:10	6.8	257	11	9.5	0
17/12/2022 04:20	7	256	11	10.6	0
17/12/2022 04:30	7.8	254	9	10.3	0
17/12/2022 04:40	7.4	256	10	11	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/12/2022 04:50	6.9	255	11	9.8	0
17/12/2022 05:00	6.8	257	12	9.5	0
17/12/2022 05:10	6.5	253	11	9.3	0
17/12/2022 05:20	6.3	254	12	8.6	0
17/12/2022 05:30	6.4	256	11	9.1	0
17/12/2022 05:40	6.8	256	11	8.7	0
17/12/2022 05:50	6.9	257	10	9.1	0
17/12/2022 06:00	6.9	256	12	9.6	0
17/12/2022 06:10	6.8	254	11	9.2	0
17/12/2022 06:20	5.9	251	12	8.3	0
17/12/2022 06:30	5.2	246	14	7.3	0
17/12/2022 06:40	5.3	245	13	7.7	0
17/12/2022 06:50	5.4	241	12	8	0
17/12/2022 07:00	5.1	245	12	7.7	0
17/12/2022 07:10	5.9	246	13	8.3	0
17/12/2022 07:20	5.7	246	13	7.9	0
17/12/2022 07:30	6.3	240	12	8.4	0
17/12/2022 07:40	5.6	246	15	9.1	0
17/12/2022 07:50	6.5	240	12	8.6	0
17/12/2022 08:00	6.6	247	11	9.1	0
17/12/2022 08:10	5.9	238	12	8.2	0
17/12/2022 08:20	5.8	234	14	7.6	0
17/12/2022 08:30	5.7	238	14	7.5	0
17/12/2022 08:40	5.3	234	13	7.5	0
17/12/2022 08:50	5	230	14	7.2	0
17/12/2022 09:00	5.3	226	15	7.6	0
17/12/2022 09:10	5	235	14	7.5	0
17/12/2022 09:20	4.4	228	18	6.7	0
17/12/2022 09:30	4	230	18	5.8	0
17/12/2022 09:40	3.8	233	18	5.5	0
17/12/2022 09:50	3	236	18	4.8	0
17/12/2022 10:00	3.2	245	22	4.8	0
17/12/2022 10:10	3.8	271	19	5.2	0
17/12/2022 10:20	4.5	268	16	6.8	0
17/12/2022 10:30	4.2	273	20	6.1	0
17/12/2022 10:40	4.3	258	17	6	0
17/12/2022 10:50	4.6	246	17	6.8	0
17/12/2022 11:00	4.2	250	18	6.4	0
17/12/2022 11:10	3.7	260	19	5.5	0
17/12/2022 11:20	4.2	264	21	6	0
17/12/2022 11:30	4.4	257	19	5.8	0
17/12/2022 11:40	4.9	255	13	6.1	0
17/12/2022 11:50	4.9	254	12	6.7	0
17/12/2022 12:00	4.2	274	16	5.8	0
17/12/2022 12:10	3.6	293	20	5.3	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/12/2022 12:20	3.6	301	20	5.1	0
17/12/2022 12:30	4.1	308	23	5.7	0
17/12/2022 12:40	3.7	306	20	5.6	0
17/12/2022 12:50	5	302	14	7.1	0
17/12/2022 13:00	4.9	302	15	6.8	0
17/12/2022 13:10	5.2	302	14	7.2	0
17/12/2022 13:20	6.1	297	12	7.8	0
17/12/2022 13:30	6.7	295	10	8.7	0
17/12/2022 13:40	6.6	295	12	8.4	0
17/12/2022 13:50	6.5	293	13	8.4	0
17/12/2022 14:00	6.5	294	13	8.8	0
17/12/2022 14:10	6.3	295	11	8.1	0
17/12/2022 14:20	6.7	292	12	8.6	0
17/12/2022 14:30	6.5	294	12	8	0
17/12/2022 14:40	6	295	14	7.9	0
17/12/2022 14:50	5.7	290	17	8.3	0
17/12/2022 15:00	6.1	297	15	8	0
17/12/2022 15:10	6.3	299	12	8.5	0
17/12/2022 15:20	6.4	294	14	9.1	0
17/12/2022 15:30	6	292	13	8.7	0
17/12/2022 15:40	5.8	287	17	8.1	0
17/12/2022 15:50	6.8	294	12	9.4	0
17/12/2022 16:00	6.1	290	16	8.4	0
17/12/2022 16:10	6.2	289	13	8.3	0
17/12/2022 16:20	6.3	286	17	8.8	0
17/12/2022 16:30	6.1	282	16	8.8	0
17/12/2022 16:40	6.8	294	13	9	0
17/12/2022 16:50	6.9	296	11	9.5	0
17/12/2022 17:00	6	289	16	8.5	0
17/12/2022 17:10	6.5	273	15	8.9	0
17/12/2022 17:20	6	268	14	8.4	0
17/12/2022 17:30	6	268	13	8.2	0
17/12/2022 17:40	6.3	269	15	9	0
17/12/2022 17:50	6.5	268	13	9.2	0
17/12/2022 18:00	6.4	269	12	8.5	0
17/12/2022 18:10	6.2	275	13	7.9	0
17/12/2022 18:20	6.3	265	12	8.3	0
17/12/2022 18:30	6.6	264	11	9.4	0
17/12/2022 18:40	6.9	261	11	9.4	0
17/12/2022 18:50	6.8	262	11	9.1	0
17/12/2022 19:00	7.5	260	10	9.6	0
17/12/2022 19:10	6.4	262	11	8.8	0
17/12/2022 19:20	6.7	263	10	9.1	0
17/12/2022 19:30	7	263	11	9.1	0
17/12/2022 19:40	6.5	265	12	9.3	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/12/2022 19:50	6.3	263	11	8.1	0
17/12/2022 20:00	7.3	262	9	9.5	0
17/12/2022 20:10	6.7	263	10	9.1	0
17/12/2022 20:20	6.5	264	11	8.7	0
17/12/2022 20:30	6.3	263	11	8.3	0
17/12/2022 20:40	6.6	263	11	8.9	0
17/12/2022 20:50	6.5	263	10	8.6	0
17/12/2022 21:00	6.9	265	11	9.1	0
17/12/2022 21:10	6.3	265	11	8.4	0
17/12/2022 21:20	6.3	265	11	8.5	0
17/12/2022 21:30	6.3	263	10	8.4	0
17/12/2022 21:40	6.6	261	10	8.6	0
17/12/2022 21:50	6.8	262	10	8.9	0
17/12/2022 22:00	6.9	261	10	9	0
17/12/2022 22:10	6.8	262	12	8.7	0
17/12/2022 22:20	6.6	260	11	8.8	0
17/12/2022 22:30	6.5	259	12	8.8	0
17/12/2022 22:40	5.9	259	12	8.5	0
17/12/2022 22:50	6.6	257	9	8.8	0
17/12/2022 23:00	5.7	262	11	7.6	0
17/12/2022 23:10	6.1	260	11	8.3	0
17/12/2022 23:20	6.8	262	10	8.7	0
17/12/2022 23:30	6.7	260	11	8.7	0
17/12/2022 23:40	6.8	263	10	9.1	0
17/12/2022 23:50	6.3	263	10	8.3	0
18/12/2022 00:00	6.6	260	9	9	0
18/12/2022 00:10	6.5	262	10	8.4	0
18/12/2022 00:20	6.1	260	10	8.6	0
18/12/2022 00:30	6.3	263	9	8.3	0
18/12/2022 00:40	6.6	264	10	8.7	0
18/12/2022 00:50	5.9	261	12	8	0
18/12/2022 01:00	6	262	8	8.1	0
18/12/2022 01:10	6.4	264	9	8.3	0
18/12/2022 01:20	5.7	260	10	7.4	0
18/12/2022 01:30	5.8	261	11	7.3	0
18/12/2022 01:40	5.3	263	11	7.2	0
18/12/2022 01:50	5.8	262	9	7.4	0
18/12/2022 02:00	5.9	262	10	7.5	0
18/12/2022 02:10	5.8	263	10	8.1	0
18/12/2022 02:20	5.4	261	10	7.2	0
18/12/2022 02:30	5.3	261	12	7.5	0
18/12/2022 02:40	5.2	263	11	7.1	0
18/12/2022 02:50	5.7	263	10	7.7	0
18/12/2022 03:00	5.2	263	9	7.1	0
18/12/2022 03:10	5.6	262	10	7.3	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/12/2022 03:20	5.4	262	11	7.3	0
18/12/2022 03:30	5.3	263	10	7.4	0
18/12/2022 03:40	5.9	264	10	7.9	0
18/12/2022 03:50	5.1	269	12	6.8	0
18/12/2022 04:00	5	268	12	6.8	0
18/12/2022 04:10	5	267	11	6.6	0
18/12/2022 04:20	4.9	267	12	6.3	0
18/12/2022 04:30	3.6	276	14	4.8	0
18/12/2022 04:40	3.8	274	14	5	0
18/12/2022 04:50	4	272	13	5.6	0
18/12/2022 05:00	4	268	13	5.6	0
18/12/2022 05:10	4.6	267	12	6.4	0
18/12/2022 05:20	4.7	265	12	6.9	0
18/12/2022 05:30	5.8	262	10	7.9	0
18/12/2022 05:40	6	265	10	7.5	0
18/12/2022 05:50	5.7	264	11	7.5	0
18/12/2022 06:00	5.2	261	10	7.2	0
18/12/2022 06:10	6	263	11	7.8	0
18/12/2022 06:20	5.9	264	9	7.6	0
18/12/2022 06:30	5.1	261	10	6.8	0
18/12/2022 06:40	5.2	260	11	6.8	0
18/12/2022 06:50	4.8	261	11	6.7	0
18/12/2022 07:00	5.1	262	10	6.3	0
18/12/2022 07:10	4.9	267	11	6.4	0
18/12/2022 07:20	4.1	255	14	5.3	0
18/12/2022 07:30	4.7	257	12	6.4	0
18/12/2022 07:40	4.3	257	15	5.8	0
18/12/2022 07:50	4.5	258	12	6.3	0
18/12/2022 08:00	4.4	267	14	6.5	0
18/12/2022 08:10	4.9	262	11	6.5	0
18/12/2022 08:20	4.8	263	13	6.8	0
18/12/2022 08:30	4.5	268	16	6.2	0
18/12/2022 08:40	4.7	261	15	6.7	0
18/12/2022 08:50	4.3	262	17	6	0
18/12/2022 09:00	4.7	263	16	6.3	0
18/12/2022 09:10	4.1	255	15	5.6	0
18/12/2022 09:20	3.8	246	14	5.4	0
18/12/2022 09:30	4.3	253	15	5.6	0
18/12/2022 09:40	4	265	16	5.6	0
18/12/2022 09:50	4.3	265	14	5.6	0
18/12/2022 10:00	5	261	13	6.6	0
18/12/2022 10:10	4.5	255	12	6.4	0
18/12/2022 10:20	4.4	272	22	6.1	0
18/12/2022 10:30	4.3	268	17	6	0
18/12/2022 10:40	4.4	270	19	6.5	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/12/2022 10:50	4.2	299	20	5.8	0
18/12/2022 11:00	4.7	298	18	6.2	0
18/12/2022 11:10	4.9	299	16	7.3	0
18/12/2022 11:20	4.9	308	15	6.8	0
18/12/2022 11:30	4.9	302	15	6.8	0
18/12/2022 11:40	5.3	301	14	7.7	0
18/12/2022 11:50	5.2	299	12	7	0
18/12/2022 12:00	4.8	307	14	6.8	0
18/12/2022 12:10	5	305	17	7	0
18/12/2022 12:20	4.8	305	17	6.8	0
18/12/2022 12:30	5.6	298	13	7.9	0
18/12/2022 12:40	5.7	297	12	7.9	0
18/12/2022 12:50	6	296	13	7.7	0
18/12/2022 13:00	5.9	299	12	7.9	0
18/12/2022 13:10	6.3	296	10	7.8	0
18/12/2022 13:20	6.3	296	10	8	0
18/12/2022 13:30	6	297	13	7.9	0
18/12/2022 13:40	6	301	14	8.5	0
18/12/2022 13:50	6	301	13	8.3	0
18/12/2022 14:00	5.6	298	13	7.2	0
18/12/2022 14:10	6.2	296	12	8.1	0
18/12/2022 14:20	6.2	293	11	7.9	0
18/12/2022 14:30	6	299	13	8.3	0
18/12/2022 14:40	5.5	300	15	7.4	0
18/12/2022 14:50	5	307	16	6.9	0
18/12/2022 15:00	5.1	300	15	7.1	0
18/12/2022 15:10	4.8	297	16	7.1	0
18/12/2022 15:20	5.1	297	17	6.6	0
18/12/2022 15:30	5.2	301	16	7.2	0
18/12/2022 15:40	5.4	290	16	7.3	0
18/12/2022 15:50	5.2	299	17	7.4	0
18/12/2022 16:00	5.3	295	15	7.5	0
18/12/2022 16:10	5.6	294	13	7.4	0
18/12/2022 16:20	5.7	292	13	7.9	0
18/12/2022 16:30	6	296	15	7.8	0
18/12/2022 16:40	5.8	293	12	7.9	0
18/12/2022 16:50	5.8	291	14	7.9	0
18/12/2022 17:00	6	293	11	7.8	0
18/12/2022 17:10	5.9	294	14	7.8	0
18/12/2022 17:20	5.2	295	12	7.3	0
18/12/2022 17:30	4.9	290	15	6.4	0
18/12/2022 17:40	4.8	283	17	6.7	0
18/12/2022 17:50	4.2	286	17	6	0
18/12/2022 18:00	4.6	267	14	6.3	0
18/12/2022 18:10	4.4	247	13	5.8	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/12/2022 18:20	4.2	247	15	5.9	0
18/12/2022 18:30	4.6	255	11	6.4	0
18/12/2022 18:40	3.9	253	13	5.2	0
18/12/2022 18:50	4.2	259	13	6.4	0
18/12/2022 19:00	4.8	265	11	6.4	0
18/12/2022 19:10	4.9	262	11	6.4	0
18/12/2022 19:20	3.6	254	15	5.2	0
18/12/2022 19:30	4.2	268	13	5.2	0
18/12/2022 19:40	4.1	263	13	5.2	0
18/12/2022 19:50	3.9	261	13	5.6	0
18/12/2022 20:00	4	266	11	5.3	0
18/12/2022 20:10	3.4	266	15	4.8	0
18/12/2022 20:20	3.2	263	13	4.3	0
18/12/2022 20:30	3.1	259	11	4.3	0
18/12/2022 20:40	2.9	262	13	4	0
18/12/2022 20:50	2.9	256	12	4	0
18/12/2022 21:00	3.1	262	10	4.2	0
18/12/2022 21:10	3.5	261	10	4.5	0
18/12/2022 21:20	2.9	268	13	4.1	0
18/12/2022 21:30	2.9	280	14	3.9	0
18/12/2022 21:40	3.2	291	14	4.5	0
18/12/2022 21:50	3.2	294	16	4.5	0
18/12/2022 22:00	4.1	299	10	5.4	0
18/12/2022 22:10	4.3	291	12	6	0
18/12/2022 22:20	3.7	291	15	5.2	0
18/12/2022 22:30	3.2	286	15	5	0
18/12/2022 22:40	2.7	267	16	3.7	0
18/12/2022 22:50	2.8	255	11	3.8	0
18/12/2022 23:00	3.2	256	10	4.4	0
18/12/2022 23:10	3.1	256	12	4	0
18/12/2022 23:20	4	259	10	5.1	0
18/12/2022 23:30	4	261	10	4.9	0
18/12/2022 23:40	3.4	263	12	4.7	0
18/12/2022 23:50	3.2	253	13	4.2	0
19/12/2022 00:00	3.6	258	9	4.8	0
19/12/2022 00:10	2.5	262	14	3.2	0
19/12/2022 00:20	2.7	246	13	3.6	0
19/12/2022 00:30	2.6	256	13	3.7	0
19/12/2022 00:40	2.7	242	13	3.6	0
19/12/2022 00:50	3.9	256	9	5.3	0
19/12/2022 01:00	3.6	249	11	4.9	0
19/12/2022 01:10	3.8	251	11	5.4	0
19/12/2022 01:20	2.9	238	14	4	0
19/12/2022 01:30	3.4	249	12	4.5	0
19/12/2022 01:40	3.1	244	14	4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/12/2022 01:50	3.3	252	12	4.7	0
19/12/2022 02:00	2.9	241	11	4.1	0
19/12/2022 02:10	3.2	251	12	4.4	0
19/12/2022 02:20	3.4	254	11	4.4	0
19/12/2022 02:30	3.7	263	11	4.5	0
19/12/2022 02:40	4	254	10	5.4	0
19/12/2022 02:50	3.7	259	11	5.2	0
19/12/2022 03:00	3.6	255	10	5.2	0
19/12/2022 03:10	3.8	261	10	5.1	0
19/12/2022 03:20	4.3	264	9	5.6	0
19/12/2022 03:30	4.4	265	10	5.7	0
19/12/2022 03:40	4.3	263	11	5.5	0
19/12/2022 03:50	4.6	263	10	5.8	0
19/12/2022 04:00	4.7	263	9	6	0
19/12/2022 04:10	4.6	266	10	6.7	0
19/12/2022 04:20	5	265	8	6.8	0
19/12/2022 04:30	5.2	263	11	7	0
19/12/2022 04:40	4.6	264	11	6.1	0
19/12/2022 04:50	4.7	263	11	6.2	0
19/12/2022 05:00	4.3	265	11	6.1	0
19/12/2022 05:10	4.1	265	11	5.6	0
19/12/2022 05:20	4.3	269	13	5.7	0
19/12/2022 05:30	4.3	272	14	6.1	0
19/12/2022 05:40	4	271	15	5.3	0
19/12/2022 05:50	3.8	268	12	5.2	0
19/12/2022 06:00	3.6	259	10	4.7	0
19/12/2022 06:10	3.6	262	10	4.7	0
19/12/2022 06:20	4	262	9	4.8	0
19/12/2022 06:30	3.6	261	12	4.8	0
19/12/2022 06:40	3.5	264	12	4.8	0
19/12/2022 06:50	3.5	262	13	4.8	0
19/12/2022 07:00	3.5	263	13	4.4	0
19/12/2022 07:10	3.8	265	12	4.9	0
19/12/2022 07:20	3.5	266	14	4.8	0
19/12/2022 07:30	3.2	260	15	4.4	0
19/12/2022 07:40	3	261	16	4.3	0
19/12/2022 07:50	3.6	251	13	4.8	0
19/12/2022 08:00	3.7	259	13	4.8	0
19/12/2022 08:10	3.3	251	20	4.6	0
19/12/2022 08:20	3.7	256	15	5.6	0
19/12/2022 08:30	3.4	260	18	4.8	0
19/12/2022 08:40	3.3	250	19	4.9	0
19/12/2022 08:50	3.3	257	15	4.8	0
19/12/2022 09:00	3.5	268	16	5.4	0
19/12/2022 09:10	3.2	260	19	4.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/12/2022 09:20	3.5	260	17	5.1	0
19/12/2022 09:30	3.7	266	17	5.2	0
19/12/2022 09:40	3.9	265	16	5.7	0
19/12/2022 09:50	3.6	255	20	5	0
19/12/2022 10:00	3.9	283	19	5.5	0
19/12/2022 10:10	3.5	297	20	4.9	0
19/12/2022 10:20	3.2	294	18	5.2	0
19/12/2022 10:30	3	291	23	5.2	0
19/12/2022 10:40	4.1	300	17	5.9	0
19/12/2022 10:50	4.1	298	12	5.7	0
19/12/2022 11:00	4.3	298	16	6.2	0
19/12/2022 11:10	5.1	295	11	6.9	0
19/12/2022 11:20	4.8	294	14	6.3	0
19/12/2022 11:30	5.1	294	14	6.9	0
19/12/2022 11:40	5.5	296	10	7	0
19/12/2022 11:50	5.1	289	12	6.8	0
19/12/2022 12:00	5.5	292	13	7.5	0
19/12/2022 12:10	5.3	291	13	6.7	0
19/12/2022 12:20	5.5	288	13	7.2	0
19/12/2022 12:30	5.8	293	12	7.5	0
19/12/2022 12:40	6	294	13	7.9	0
19/12/2022 12:50	6.2	299	13	8.3	0
19/12/2022 13:00	6.1	293	12	7.8	0
19/12/2022 13:10	6.2	295	12	8.2	0
19/12/2022 13:20	6.1	293	11	7.9	0
19/12/2022 13:30	6.2	296	12	7.9	0
19/12/2022 13:40	5.7	303	13	7.8	0
19/12/2022 13:50	5.7	297	15	8	0
19/12/2022 14:00	5.7	298	15	8	0
19/12/2022 14:10	5.7	293	16	7.5	0
19/12/2022 14:20	5.6	295	15	7.2	0
19/12/2022 14:30	5.4	299	14	7.5	0
19/12/2022 14:40	5.7	300	17	8	0
19/12/2022 14:50	6.2	294	14	8.3	0
19/12/2022 15:00	6	300	16	8	0
19/12/2022 15:10	6	294	15	8	0
19/12/2022 15:20	6	294	16	8.3	0
19/12/2022 15:30	6.5	292	12	8.3	0
19/12/2022 15:40	6	297	13	8.3	0
19/12/2022 15:50	6.1	295	12	7.9	0
19/12/2022 16:00	6	292	12	8.3	0
19/12/2022 16:10	5.7	293	14	8.6	0
19/12/2022 16:20	5.8	299	15	7.7	0
19/12/2022 16:30	5.5	303	14	7.7	0
19/12/2022 16:40	5.5	296	14	7.3	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/12/2022 16:50	6.1	296	12	8.3	0
19/12/2022 17:00	5.7	291	15	7.7	0
19/12/2022 17:10	5.9	293	13	7.8	0
19/12/2022 17:20	5.5	293	15	7.5	0
19/12/2022 17:30	5.3	296	14	7.1	0
19/12/2022 17:40	5.2	293	13	7.2	0
19/12/2022 17:50	5.5	286	13	7.5	0
19/12/2022 18:00	5.3	291	14	7.3	0
19/12/2022 18:10	5	286	16	6.7	0
19/12/2022 18:20	4.8	291	13	6.6	0
19/12/2022 18:30	4.7	281	15	6.7	0
19/12/2022 18:40	4.5	281	17	6.5	0
19/12/2022 18:50	4.5	284	19	6.1	0
19/12/2022 19:00	4.4	274	17	6.2	0
19/12/2022 19:10	3.9	287	14	6.3	0
19/12/2022 19:20	4.5	277	12	6.5	0
19/12/2022 19:30	4.4	280	16	6.4	0
19/12/2022 19:40	4.4	285	15	6.4	0
19/12/2022 19:50	5.1	280	17	7	0
19/12/2022 20:00	4.5	286	14	6.2	0
19/12/2022 20:10	4.2	271	15	6.1	0
19/12/2022 20:20	4.2	280	18	5.6	0
19/12/2022 20:30	4.1	270	16	6	0
19/12/2022 20:40	4.6	275	13	6	0
19/12/2022 20:50	4.3	269	12	5.8	0
19/12/2022 21:00	4.5	266	12	6.4	0
19/12/2022 21:10	4.9	272	12	6.4	0
19/12/2022 21:20	5.2	267	12	6.7	0
19/12/2022 21:30	5.2	266	12	6.4	0
19/12/2022 21:40	4.6	272	16	6	0
19/12/2022 21:50	4.1	266	11	6	0
19/12/2022 22:00	5.1	266	11	6.8	0
19/12/2022 22:10	4.8	264	11	6.8	0
19/12/2022 22:20	5.3	264	11	6.8	0
19/12/2022 22:30	5.1	265	12	7	0
19/12/2022 22:40	5.5	262	11	6.8	0
19/12/2022 22:50	5.7	261	10	7.9	0
19/12/2022 23:00	4.7	267	12	7	0
19/12/2022 23:10	4.6	270	14	6	0
19/12/2022 23:20	5.3	263	9	7.2	0
19/12/2022 23:30	5.1	261	10	6.7	0
19/12/2022 23:40	5.3	261	10	7.2	0
19/12/2022 23:50	5.1	258	10	6.8	0
20/12/2022 00:00	5.3	264	10	6.5	0
20/12/2022 00:10	4.9	263	10	6.4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/12/2022 00:20	4.9	262	10	6.6	0
20/12/2022 00:30	4.8	260	11	6.4	0
20/12/2022 00:40	5.2	261	9	7.3	0
20/12/2022 00:50	5	258	12	6.6	0
20/12/2022 01:00	4.9	260	10	7.4	0
20/12/2022 01:10	4.5	262	11	6.3	0
20/12/2022 01:20	4.7	261	11	6.3	0
20/12/2022 01:30	4.8	255	10	6.9	0
20/12/2022 01:40	4.8	256	11	6.9	0
20/12/2022 01:50	4.6	259	10	6.2	0
20/12/2022 02:00	5.2	243	12	7.1	0
20/12/2022 02:10	4.8	249	13	6.8	0
20/12/2022 02:20	4.6	257	12	6	0
20/12/2022 02:30	4.5	251	15	6	0
20/12/2022 02:40	4.7	256	11	6.3	0
20/12/2022 02:50	3.9	254	11	5.4	0
20/12/2022 03:00	4	241	14	5.7	0
20/12/2022 03:10	3.3	232	16	4.8	0
20/12/2022 03:20	3.3	225	17	4.8	0
20/12/2022 03:30	3.4	228	15	5.2	0
20/12/2022 03:40	2.7	232	15	4	0
20/12/2022 03:50	2.5	229	16	3.4	0
20/12/2022 04:00	2.8	219	15	3.6	0
20/12/2022 04:10	2.1	223	26	3.2	0
20/12/2022 04:20	2.3	219	15	3.5	0
20/12/2022 04:30	2.3	224	15	3.3	0
20/12/2022 04:40	2.5	227	14	3.5	0
20/12/2022 04:50	2.9	231	16	4.3	0
20/12/2022 05:00	2.5	224	19	3.7	0
20/12/2022 05:10	2.6	229	18	3.5	0
20/12/2022 05:20	2.4	221	15	3.4	0
20/12/2022 05:30	2.1	220	14	2.8	0
20/12/2022 05:40	2	226	16	3.2	0
20/12/2022 05:50	2.2	225	17	3.2	0
20/12/2022 06:00	2.1	221	17	3.2	0
20/12/2022 06:10	2.1	219	22	3	0
20/12/2022 06:20	1.2	224	54	2.2	0
20/12/2022 06:30	1.5	224	46	2.8	0
20/12/2022 06:40	1.4	174	80	2.6	0
20/12/2022 06:50	1.4	128	74	2.4	0
20/12/2022 07:00	1.9	243	54	3.2	0
20/12/2022 07:10	1.6	186	83	3.3	0
20/12/2022 07:20	1.9	211	53	2.9	0
20/12/2022 07:30	1.7	214	65	3.4	0
20/12/2022 07:40	2	219	46	3.5	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/12/2022 07:50	2.3	237	24	3.2	0
20/12/2022 08:00	2.1	259	26	3.7	0
20/12/2022 08:10	2	205	27	2.8	0
20/12/2022 08:20	3.2	241	20	4.8	0
20/12/2022 08:30	3.1	249	17	4.8	0
20/12/2022 08:40	3.3	266	17	5.2	0
20/12/2022 08:50	3.6	261	16	5.3	0
20/12/2022 09:00	3.4	254	14	5.2	0
20/12/2022 09:10	2.9	254	18	4.4	0
20/12/2022 09:20	3.3	257	26	5.6	0
20/12/2022 09:30	2.8	294	21	4.5	0
20/12/2022 09:40	3.4	296	25	5.5	0
20/12/2022 09:50	3.5	301	16	4.8	0
20/12/2022 10:00	3.9	295	15	5.6	0
20/12/2022 10:10	4.5	290	16	6	0
20/12/2022 10:20	4.6	295	18	6.6	0
20/12/2022 10:30	4.8	300	13	6.2	0
20/12/2022 10:40	5.2	297	11	7.3	0
20/12/2022 10:50	5.2	283	13	6.6	0
20/12/2022 11:00	5	297	13	7	0
20/12/2022 11:10	5.2	295	14	6.9	0
20/12/2022 11:20	5.1	299	14	6.7	0
20/12/2022 11:30	4.7	303	15	6.5	0
20/12/2022 11:40	5.3	300	15	7.5	0
20/12/2022 11:50	5.4	297	14	7.1	0
20/12/2022 12:00	5.4	303	15	7.5	0
20/12/2022 12:10	5.8	299	15	8.1	0
20/12/2022 12:20	5.7	304	16	8.3	0
20/12/2022 12:30	5.7	301	18	8.1	0
20/12/2022 12:40	5.4	296	17	7.4	0
20/12/2022 12:50	5.8	295	14	8.1	0
20/12/2022 13:00	5.8	298	11	7.8	0
20/12/2022 13:10	5.6	299	14	7.4	0
20/12/2022 13:20	5.7	290	15	7.5	0
20/12/2022 13:30	5.5	298	15	7.8	0
20/12/2022 13:40	5.3	294	15	7.6	0
20/12/2022 13:50	5.3	298	16	7.2	0
20/12/2022 14:00	5.8	293	14	7.5	0
20/12/2022 14:10	5.9	292	13	8	0
20/12/2022 14:20	5.6	292	13	7.5	0
20/12/2022 14:30	5.8	297	11	7.7	0
20/12/2022 14:40	5.9	291	12	7.9	0
20/12/2022 14:50	5.8	296	11	7.5	0
20/12/2022 15:00	5.5	294	14	7.8	0
20/12/2022 15:10	5.9	293	13	8.3	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/12/2022 15:20	6.1	291	12	7.9	0
20/12/2022 15:30	6.4	294	9	8.3	0
20/12/2022 15:40	6.1	295	13	8.3	0
20/12/2022 15:50	5.8	295	13	7.5	0
20/12/2022 16:00	6.2	291	12	8.6	0
20/12/2022 16:10	5.9	294	13	8.2	0
20/12/2022 16:20	5.9	292	14	7.9	0
20/12/2022 16:30	5.7	292	12	7.6	0
20/12/2022 16:40	5.9	293	11	7.9	0
20/12/2022 16:50	5.6	295	10	7.2	0
20/12/2022 17:00	5.4	298	14	7.2	0
20/12/2022 17:10	5.4	292	15	7	0
20/12/2022 17:20	5	290	15	7	0
20/12/2022 17:30	5	287	15	6.8	0
20/12/2022 17:40	5.2	294	14	7.3	0
20/12/2022 17:50	5.1	295	15	6.8	0
20/12/2022 18:00	5.8	298	13	7.6	0
20/12/2022 18:10	5.6	295	12	7.5	0
20/12/2022 18:20	5.1	290	17	7.2	0
20/12/2022 18:30	5.3	288	13	7.1	0
20/12/2022 18:40	4.8	295	15	6.8	0
20/12/2022 18:50	5.4	293	16	6.7	0
20/12/2022 19:00	5.1	292	14	7.2	0
20/12/2022 19:10	5.1	294	13	7.5	0
20/12/2022 19:20	5	288	14	6.8	0
20/12/2022 19:30	4.8	291	14	6.4	0
20/12/2022 19:40	5	292	16	6.7	0
20/12/2022 19:50	4.8	289	14	7.2	0
20/12/2022 20:00	5.1	290	13	6.8	0
20/12/2022 20:10	5.2	279	12	7	0
20/12/2022 20:20	4.9	273	13	6.6	0
20/12/2022 20:30	4.6	269	15	6.7	0
20/12/2022 20:40	4.6	275	13	6.7	0
20/12/2022 20:50	4.3	278	16	6.1	0
20/12/2022 21:00	4.4	271	15	6	0
20/12/2022 21:10	4.9	267	11	6.9	0
20/12/2022 21:20	5.2	265	14	6.8	0
20/12/2022 21:30	5.2	264	12	7.4	0
20/12/2022 21:40	5.8	263	9	7.8	0
20/12/2022 21:50	5.2	266	12	7.4	0
20/12/2022 22:00	4.6	263	12	6.2	0
20/12/2022 22:10	4.8	262	10	7	0
20/12/2022 22:20	4.9	265	10	7.2	0
20/12/2022 22:30	5.1	265	10	7	0
20/12/2022 22:40	5.4	261	9	7.5	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/12/2022 22:50	5.1	267	12	7.2	0
20/12/2022 23:00	5	263	12	7.1	0
20/12/2022 23:10	5.6	256	11	7.1	0
20/12/2022 23:20	5.4	260	10	7.3	0
20/12/2022 23:30	5.4	262	10	7.2	0
20/12/2022 23:40	5.1	262	11	7.3	0
20/12/2022 23:50	5.1	263	10	6.7	0
21/12/2022 00:00	5	259	13	6.4	0
21/12/2022 00:10	4.3	257	12	6.2	0
21/12/2022 00:20	5.2	259	10	7	0
21/12/2022 00:30	4.8	253	12	6.8	0
21/12/2022 00:40	5.1	259	10	6.8	0
21/12/2022 00:50	4.5	259	12	6.7	0
21/12/2022 01:00	4.5	260	9	6.4	0
21/12/2022 01:10	4.4	261	12	6	0
21/12/2022 01:20	4.2	251	13	5.8	0
21/12/2022 01:30	4.1	244	13	6	0
21/12/2022 01:40	3.7	238	13	5.3	0
21/12/2022 01:50	4.6	245	14	6.6	0
21/12/2022 02:00	4.5	238	14	6.7	0
21/12/2022 02:10	4.5	236	14	7.3	0
21/12/2022 02:20	4.1	231	15	6	0
21/12/2022 02:30	4.2	229	15	6.3	0
21/12/2022 02:40	3.7	231	14	5.3	0
21/12/2022 02:50	3.8	229	15	5.9	0
21/12/2022 03:00	3.8	229	15	5.3	0
21/12/2022 03:10	2.6	237	15	3.7	0
21/12/2022 03:20	2.4	241	12	3.9	0
21/12/2022 03:30	2.9	235	17	4	0
21/12/2022 03:40	3	238	16	4.3	0
21/12/2022 03:50	2.9	241	12	4.4	0
21/12/2022 04:00	2.6	249	13	3.6	0
21/12/2022 04:10	3	255	14	4	0
21/12/2022 04:20	2.9	261	12	4.5	0
21/12/2022 04:30	2.6	262	10	3.9	0
21/12/2022 04:40	3.1	259	8	3.9	0
21/12/2022 04:50	3.2	263	9	4.4	0
21/12/2022 05:00	2.5	256	10	3.3	0
21/12/2022 05:10	3	266	12	4	0
21/12/2022 05:20	2.9	262	10	3.7	0
21/12/2022 05:30	3	263	10	3.9	0
21/12/2022 05:40	3.7	268	11	5	0
21/12/2022 05:50	3.8	269	11	4.8	0
21/12/2022 06:00	3.3	267	12	4.8	0
21/12/2022 06:10	3.3	260	14	4.4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/12/2022 06:20	2.3	220	16	3.4	0
21/12/2022 06:30	2.4	232	14	3.2	0
21/12/2022 06:40	3	230	16	4.1	0
21/12/2022 06:50	3.6	233	13	5.2	0
21/12/2022 07:00	3.4	246	11	4.5	0
21/12/2022 07:10	3.3	247	14	4.9	0
21/12/2022 07:20	3.6	242	12	4.8	0
21/12/2022 07:30	3.8	240	14	5.4	0
21/12/2022 07:40	3.5	249	13	4.8	0
21/12/2022 07:50	4	257	17	5.3	0
21/12/2022 08:00	3.8	244	15	5.2	0
21/12/2022 08:10	4.5	261	12	6.1	0
21/12/2022 08:20	4.4	259	12	6.1	0
21/12/2022 08:30	4.6	253	13	6	0
21/12/2022 08:40	4.3	258	15	5.9	0
21/12/2022 08:50	4	257	14	5.5	0
21/12/2022 09:00	4.3	257	21	6	0
21/12/2022 09:10	3.8	257	20	5.7	0
21/12/2022 09:20	4.3	265	14	6	0
21/12/2022 09:30	4.8	259	18	6.8	0
21/12/2022 09:40	4.8	263	18	7.1	0
21/12/2022 09:50	5.3	268	14	7.1	0
21/12/2022 10:00	5.1	265	16	7.2	0
21/12/2022 10:10	5.9	263	17	7.8	0
21/12/2022 10:20	6	268	16	7.9	0
21/12/2022 10:30	5.7	261	13	7.5	0
21/12/2022 10:40	5.5	270	15	7.7	0
21/12/2022 10:50	4.9	261	14	6.9	0
21/12/2022 11:00	4.9	261	16	7.2	0
21/12/2022 11:10	5.6	296	11	7.5	0
21/12/2022 11:20	5.5	294	14	7.9	0
21/12/2022 11:30	5.8	294	13	8.2	0
21/12/2022 11:40	6	299	12	8.2	0
21/12/2022 11:50	5.8	290	15	7.8	0
21/12/2022 12:00	6.3	300	13	8.4	0
21/12/2022 12:10	6.1	300	13	8.2	0
21/12/2022 12:20	6.2	300	13	8.7	0
21/12/2022 12:30	6.5	297	14	8.3	0
21/12/2022 12:40	6.1	297	13	8.3	0
21/12/2022 12:50	6.5	291	14	8.8	0
21/12/2022 13:00	6.6	291	14	8.5	0
21/12/2022 13:10	6.2	297	14	8.3	0
21/12/2022 13:20	6.5	294	14	8.7	0
21/12/2022 13:30	6.7	295	12	8.5	0
21/12/2022 13:40	6.2	291	16	8.7	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/12/2022 13:50	6.4	292	14	8.8	0
21/12/2022 14:00	6.6	295	11	8.9	0
21/12/2022 14:10	6.5	294	14	9	0
21/12/2022 14:20	6.7	297	15	8.3	0
21/12/2022 14:30	6.6	294	12	9.2	0
21/12/2022 14:40	6.5	296	11	8.4	0
21/12/2022 14:50	6.5	294	14	8.7	0
21/12/2022 15:00	6.5	294	11	9.2	0
21/12/2022 15:10	6.4	293	14	9.1	0
21/12/2022 15:20	6.4	294	13	8.7	0
21/12/2022 15:30	6.4	298	13	9.1	0
21/12/2022 15:40	6.8	293	14	9.1	0
21/12/2022 15:50	6.6	295	13	8.7	0
21/12/2022 16:00	6.6	293	14	9.1	0
21/12/2022 16:10	6.9	295	13	9.1	0
21/12/2022 16:20	6.5	294	14	8.7	0
21/12/2022 16:30	6.4	295	15	9.1	0
21/12/2022 16:40	6	293	13	8.5	0
21/12/2022 16:50	5.7	292	16	7.8	0
21/12/2022 17:00	6	291	14	8.7	0
21/12/2022 17:10	6.1	293	12	9.5	0
21/12/2022 17:20	5.9	291	15	7.9	0
21/12/2022 17:30	5.5	290	13	7.7	0
21/12/2022 17:40	5.4	287	17	7.7	0
21/12/2022 17:50	5.5	293	14	7.6	0
21/12/2022 18:00	6.1	296	10	8.3	0
21/12/2022 18:10	5.8	287	15	7.8	0
21/12/2022 18:20	5.5	290	15	7.5	0
21/12/2022 18:30	4.8	285	16	6.8	0
21/12/2022 18:40	5.3	289	17	7.4	0
21/12/2022 18:50	5.3	282	17	7.1	0
21/12/2022 19:00	5	270	13	7.2	0
21/12/2022 19:10	5	274	16	6.5	0
21/12/2022 19:20	5.1	268	13	6.6	0
21/12/2022 19:30	4.7	276	15	6.5	0
21/12/2022 19:40	5.1	271	13	7.2	0
21/12/2022 19:50	5.8	263	11	7.8	0
21/12/2022 20:00	5.1	267	13	6.9	0
21/12/2022 20:10	5.6	263	10	7.6	0
21/12/2022 20:20	5.3	265	13	7.2	0
21/12/2022 20:30	5.2	265	12	6.8	0
21/12/2022 20:40	5.9	260	11	7.7	0
21/12/2022 20:50	5.5	265	13	7.2	0
21/12/2022 21:00	5.4	262	11	7.2	0
21/12/2022 21:10	5.1	271	14	7.1	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/12/2022 21:20	6	261	10	7.8	0
21/12/2022 21:30	5.7	264	10	7.6	0
21/12/2022 21:40	5.7	261	12	7.4	0
21/12/2022 21:50	6	264	9	7.9	0
21/12/2022 22:00	5.9	262	11	7.7	0
21/12/2022 22:10	5.7	263	10	8	0
21/12/2022 22:20	6.2	262	9	8.5	0
21/12/2022 22:30	5.8	264	12	7.9	0
21/12/2022 22:40	4.9	265	13	6.8	0
21/12/2022 22:50	4.8	263	13	7.1	0
21/12/2022 23:00	4.9	268	14	7.2	0
21/12/2022 23:10	5	263	12	6.9	0
21/12/2022 23:20	5.1	264	11	6.8	0
21/12/2022 23:30	4.7	272	13	7	0
21/12/2022 23:40	4.6	264	11	5.8	0
21/12/2022 23:50	4.5	266	13	6	0
22/12/2022 00:00	3.5	268	14	4.7	0
22/12/2022 00:10	3.6	269	13	4.9	0
22/12/2022 00:20	3.4	269	12	4.9	0
22/12/2022 00:30	3.3	269	13	4.5	0
22/12/2022 00:40	3.7	274	16	5.4	0
22/12/2022 00:50	3.5	271	16	4.9	0
22/12/2022 01:00	3.6	273	14	4.9	0
22/12/2022 01:10	3.6	270	13	5.2	0
22/12/2022 01:20	3.6	268	13	5.1	0
22/12/2022 01:30	2.6	270	13	3.8	0
22/12/2022 01:40	3.4	270	12	4.6	0
22/12/2022 01:50	2.9	266	12	4	0
22/12/2022 02:00	2.8	271	14	4.3	0
22/12/2022 02:10	3	269	12	4.4	0
22/12/2022 02:20	2.7	279	16	4.3	0
22/12/2022 02:30	3.2	272	14	4.3	0
22/12/2022 02:40	3.2	276	15	4.4	0
22/12/2022 02:50	3	273	14	4.2	0
22/12/2022 03:00	3.4	273	14	4.8	0
22/12/2022 03:10	3	283	15	4.3	0
22/12/2022 03:20	3.3	269	13	4.6	0
22/12/2022 03:30	3	273	15	4.4	0
22/12/2022 03:40	3.3	272	12	4.4	0
22/12/2022 03:50	2.8	271	14	4.2	0
22/12/2022 04:00	3.2	268	13	4.3	0
22/12/2022 04:10	3.1	271	13	4.5	0
22/12/2022 04:20	3	267	12	4	0
22/12/2022 04:30	3.3	271	13	4.4	0
22/12/2022 04:40	2.9	265	12	3.9	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/12/2022 04:50	3.5	263	9	5.2	0
22/12/2022 05:00	3.6	263	12	4.7	0
22/12/2022 05:10	2.8	265	11	4.3	0
22/12/2022 05:20	2.8	273	12	3.6	0
22/12/2022 05:30	2.6	276	15	3.3	0
22/12/2022 05:40	2.4	281	14	3.6	0
22/12/2022 05:50	2.6	265	14	3.5	0
22/12/2022 06:00	2.1	275	13	3.1	0
22/12/2022 06:10	2.6	270	15	3.4	0
22/12/2022 06:20	2.1	271	16	2.9	0
22/12/2022 06:30	2.7	263	11	3.9	0
22/12/2022 06:40	2.4	261	12	3.3	0
22/12/2022 06:50	2.5	257	14	3.2	0
22/12/2022 07:00	2.5	261	14	3.5	0
22/12/2022 07:10	2.5	259	17	3.4	0
22/12/2022 07:20	2	244	20	3.3	0
22/12/2022 07:30	2.1	236	18	3	0
22/12/2022 07:40	1.2	172	38	2.2	0
22/12/2022 07:50	1.2	197	48	2	0
22/12/2022 08:00	2.2	134	30	3.8	0
22/12/2022 08:10	2.2	130	31	3.3	0
22/12/2022 08:20	1.8	101	43	3.5	0
22/12/2022 08:30	2.3	101	22	3.3	0
22/12/2022 08:40	2.5	100	19	3.7	0
22/12/2022 08:50	2	36	45	3.6	0
22/12/2022 09:00	1.6	207	46	2.6	0
22/12/2022 09:10	1.8	195	60	3.9	0
22/12/2022 09:20	1.9	244	41	3.3	0
22/12/2022 09:30	2.1	70	42	3.6	0
22/12/2022 09:40	2.4	353	37	4	0
22/12/2022 09:50	1.9	188	61	3.5	0
22/12/2022 10:00	2.8	178	26	4.4	0
22/12/2022 10:10	2.9	185	24	4.4	0
22/12/2022 10:20	2.2	3	25	3.7	0
22/12/2022 10:30	2.4	185	28	3.6	0
22/12/2022 10:40	1.9	185	57	3.5	0
22/12/2022 10:50	1.9	50	51	3.9	0
22/12/2022 11:00	2.6	11	47	4.8	0
22/12/2022 11:10	3	179	23	4.7	0
22/12/2022 11:20	3.3	180	27	5.6	0
22/12/2022 11:30	3.5	182	28	5.3	0
22/12/2022 11:40	3.8	10	27	6.4	0
22/12/2022 11:50	3.8	8	25	5.5	0
22/12/2022 12:00	4.1	17	22	6.1	0
22/12/2022 12:10	4.5	13	25	6.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/12/2022 12:20	4.5	17	27	6.4	0
22/12/2022 12:30	4.2	15	23	6.1	0
22/12/2022 12:40	4.5	181	19	6.9	0
22/12/2022 12:50	4.9	344	19	7.5	0
22/12/2022 13:00	5.7	346	21	7.8	0
22/12/2022 13:10	5.5	343	23	7.7	0
22/12/2022 13:20	5.5	346	24	8	0
22/12/2022 13:30	5.6	341	18	8.1	0
22/12/2022 13:40	5.3	351	23	8.1	0
22/12/2022 13:50	4.8	171	25	7.4	0
22/12/2022 14:00	4.4	12	31	6.9	0
22/12/2022 14:10	5.4	347	23	7.9	0
22/12/2022 14:20	5.1	352	23	7.2	0
22/12/2022 14:30	4.9	173	22	7.5	0
22/12/2022 14:40	4.8	182	24	6.4	0
22/12/2022 14:50	4.7	177	21	7.1	0
22/12/2022 15:00	5.5	351	21	7.6	0
22/12/2022 15:10	4.8	345	22	7.6	0
22/12/2022 15:20	4.8	356	21	7.1	0
22/12/2022 15:30	4.9	354	20	7.5	0
22/12/2022 15:40	4.8	345	20	7.9	0
22/12/2022 15:50	5	353	22	7.6	0
22/12/2022 16:00	5.1	349	19	7.5	0
22/12/2022 16:10	4.1	6	23	6.5	0
22/12/2022 16:20	4.2	185	23	6.5	0
22/12/2022 16:30	4.4	358	22	7.5	0
22/12/2022 16:40	5	353	21	7.2	0
22/12/2022 16:50	4.7	175	20	6.8	0
22/12/2022 17:00	4.3	178	24	6.5	0
22/12/2022 17:10	4.7	346	19	6.9	0
22/12/2022 17:20	4	356	22	6.8	0
22/12/2022 17:30	4	351	18	6.9	0
22/12/2022 17:40	3.8	346	25	6.3	0
22/12/2022 17:50	3.5	345	28	5.6	0
22/12/2022 18:00	3.5	342	30	5.6	0
22/12/2022 18:10	3.4	331	26	5.6	0
22/12/2022 18:20	3.6	343	29	6.5	0
22/12/2022 18:30	3.6	319	25	6.3	0
22/12/2022 18:40	3.6	309	19	7.2	0
22/12/2022 18:50	5.2	300	13	7.2	0
22/12/2022 19:00	4.6	307	19	7.1	0
22/12/2022 19:10	5.4	302	12	7.9	0
22/12/2022 19:20	5.6	301	14	7.4	0
22/12/2022 19:30	4.7	303	16	7.8	0
22/12/2022 19:40	5.6	298	10	7.3	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/12/2022 19:50	5.6	299	11	7.5	0
22/12/2022 20:00	5.3	297	12	7.3	0
22/12/2022 20:10	5.6	295	12	7.2	0
22/12/2022 20:20	4.9	291	12	6.7	0
22/12/2022 20:30	4.3	284	16	6.1	0
22/12/2022 20:40	4.9	294	13	6.8	0
22/12/2022 20:50	4.4	282	17	6.4	0
22/12/2022 21:00	3.8	283	19	5.4	0
22/12/2022 21:10	3.5	275	15	5.1	0
22/12/2022 21:20	3.6	274	15	5.2	0
22/12/2022 21:30	3.9	271	13	5.2	0
22/12/2022 21:40	3.7	272	15	5.4	0
22/12/2022 21:50	4.1	264	11	5.8	0
22/12/2022 22:00	4.2	269	12	5.6	0
22/12/2022 22:10	4.3	262	10	5.6	0
22/12/2022 22:20	3.7	265	11	5	0
22/12/2022 22:30	4	263	11	5.8	0
22/12/2022 22:40	3.6	272	14	4.9	0
22/12/2022 22:50	3.8	267	13	5.2	0
22/12/2022 23:00	3.7	268	12	4.9	0
22/12/2022 23:10	4.1	263	11	5.5	0
22/12/2022 23:20	4.2	261	10	5.4	0
22/12/2022 23:30	4	262	10	5.2	0
22/12/2022 23:40	4.1	256	10	5.5	0
22/12/2022 23:50	3.8	256	12	5.2	0
23/12/2022 00:00	4.2	255	9	5.3	0
23/12/2022 00:10	3.6	256	13	5.5	0
23/12/2022 00:20	3.3	260	10	4.8	0
23/12/2022 00:30	3.7	248	11	4.9	0
23/12/2022 00:40	3.8	252	12	4.8	0
23/12/2022 00:50	3.4	251	13	4.8	0
23/12/2022 01:00	3.2	254	11	4.5	0
23/12/2022 01:10	3.4	248	13	5	0
23/12/2022 01:20	3.2	251	12	4.4	0
23/12/2022 01:30	3.2	253	13	4.3	0
23/12/2022 01:40	3.1	243	14	4.8	0
23/12/2022 01:50	3.4	235	12	4.7	0
23/12/2022 02:00	2.5	229	16	3.4	0
23/12/2022 02:10	2.4	232	13	3.2	0
23/12/2022 02:20	3	234	14	3.9	0
23/12/2022 02:30	3.2	235	15	4.6	0
23/12/2022 02:40	2.9	239	13	4.1	0
23/12/2022 02:50	2.8	233	13	4.4	0
23/12/2022 03:00	2.7	226	15	4	0
23/12/2022 03:10	3	227	16	4.3	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/12/2022 03:20	2.7	228	14	3.9	0
23/12/2022 03:30	2.5	233	16	3.4	0
23/12/2022 03:40	1.9	226	16	3	0
23/12/2022 03:50	1.9	223	23	2.8	0
23/12/2022 04:00	2.4	229	16	3.7	0
23/12/2022 04:10	2.8	230	12	4	0
23/12/2022 04:20	2.7	227	12	3.7	0
23/12/2022 04:30	2.3	226	15	3.2	0
23/12/2022 04:40	2.1	229	16	2.9	0
23/12/2022 04:50	2.6	228	18	3.9	0
23/12/2022 05:00	2.2	228	16	3.3	0
23/12/2022 05:10	2.5	220	14	3.7	0
23/12/2022 05:20	2.2	225	14	3.2	0
23/12/2022 05:30	2.3	229	14	3.4	0
23/12/2022 05:40	1.7	220	15	2.2	0
23/12/2022 05:50	1.8	222	16	2.5	0
23/12/2022 06:00	1.8	226	15	2.8	0
23/12/2022 06:10	1.8	227	15	2.5	0
23/12/2022 06:20	2	232	14	2.7	0
23/12/2022 06:30	1.7	235	18	2.4	0
23/12/2022 06:40	1.9	224	16	2.8	0
23/12/2022 06:50	1.2	188	66	2.1	0
23/12/2022 07:00	1	136	82	2	0
23/12/2022 07:10	1.4	204	48	2.5	0
23/12/2022 07:20	1.6	146	40	2.6	0
23/12/2022 07:30	1.2	190	71	2	0
23/12/2022 07:40	1	131	52	1.9	0
23/12/2022 07:50	1.2	120	29	2.2	0
23/12/2022 08:00	1.2	156	52	2.4	0
23/12/2022 08:10	1.9	126	33	2.8	0
23/12/2022 08:20	2.1	111	20	3.2	0
23/12/2022 08:30	2.2	70	20	3.2	0
23/12/2022 08:40	1.9	65	18	3	0
23/12/2022 08:50	1.9	74	33	3.2	0
23/12/2022 09:00	1.4	56	52	2.7	0
23/12/2022 09:10	2.5	104	20	3.8	0
23/12/2022 09:20	1.8	92	32	3.1	0
23/12/2022 09:30	1.9	202	48	3.1	0
23/12/2022 09:40	1.8	133	55	3	0
23/12/2022 09:50	2.9	109	21	4	0
23/12/2022 10:00	3.1	90	20	4.1	0
23/12/2022 10:10	3.2	80	20	5.1	0
23/12/2022 10:20	3.2	85	19	4.8	0
23/12/2022 10:30	3.5	79	17	5.4	0
23/12/2022 10:40	3.3	64	28	4.9	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/12/2022 10:50	3.3	333	38	4.8	0
23/12/2022 11:00	4.3	299	12	5.8	0
23/12/2022 11:10	3.5	320	25	5	0
23/12/2022 11:20	3.1	335	33	4.6	0
23/12/2022 11:30	3.1	341	21	4.8	0
23/12/2022 11:40	3.3	329	24	5.3	0
23/12/2022 11:50	3.1	350	20	4.5	0
23/12/2022 12:00	3	175	22	4.5	0
23/12/2022 12:10	3.2	346	20	4.7	0
23/12/2022 12:20	3.2	180	25	5.2	0
23/12/2022 12:30	3.6	350	20	4.8	0
23/12/2022 12:40	3.4	181	23	5.2	0
23/12/2022 12:50	3.7	179	21	5.5	0
23/12/2022 13:00	3.6	184	19	5.2	0
23/12/2022 13:10	3.4	352	24	4.8	0
23/12/2022 13:20	3.8	357	25	5.3	0
23/12/2022 13:30	4	4	18	5.7	0
23/12/2022 13:40	4.6	173	24	6.4	0
23/12/2022 13:50	5.1	347	19	7.3	0
23/12/2022 14:00	5	345	18	7	0
23/12/2022 14:10	5.3	347	17	6.9	0
23/12/2022 14:20	5.1	348	20	7.1	0
23/12/2022 14:30	5.1	352	18	7.3	0
23/12/2022 14:40	4.7	349	18	7.2	0
23/12/2022 14:50	4	328	22	6.7	0
23/12/2022 15:00	5.7	303	15	8.3	0
23/12/2022 15:10	6.2	299	12	8.3	0
23/12/2022 15:20	5.4	302	14	7.7	0
23/12/2022 15:30	5.5	299	17	7.9	0
23/12/2022 15:40	6	294	13	7.7	0
23/12/2022 15:50	6.2	299	13	8.4	0
23/12/2022 16:00	6.5	298	11	8.9	0
23/12/2022 16:10	6.2	295	14	7.9	0
23/12/2022 16:20	6.1	298	11	8.1	0
23/12/2022 16:30	6.1	298	12	8.4	0
23/12/2022 16:40	6	294	14	7.9	0
23/12/2022 16:50	5.7	295	13	7.9	0
23/12/2022 17:00	6.5	295	12	8.3	0
23/12/2022 17:10	6.6	298	10	8.2	0
23/12/2022 17:20	5.9	289	12	7.9	0
23/12/2022 17:30	6.2	291	14	8.1	0
23/12/2022 17:40	6.5	292	12	8.5	0
23/12/2022 17:50	6.4	294	12	8.5	0
23/12/2022 18:00	6.2	289	14	8.4	0
23/12/2022 18:10	5.9	286	15	8.2	0



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/12/2022 18:20	5.8	289	14	7.9	0
23/12/2022 18:30	5.6	285	17	7.5	0
23/12/2022 18:40	4.9	284	14	6.9	0
23/12/2022 18:50	4.4	285	15	6.8	0
23/12/2022 19:00	4.3	278	17	5.7	0
23/12/2022 19:10	4.5	278	16	6.5	0
23/12/2022 19:20	4.2	269	14	5.6	0
23/12/2022 19:30	4.7	274	13	6.4	0
23/12/2022 19:40	4.4	269	12	6	0
23/12/2022 19:50	4.1	271	16	5.7	0
23/12/2022 20:00	4	269	13	5.4	0
23/12/2022 20:10	4.3	267	12	5.6	0
23/12/2022 20:20	4.5	264	10	5.7	0
23/12/2022 20:30	4.3	259	10	5.6	0
23/12/2022 20:40	4.4	264	10	6	0
23/12/2022 20:50	4.4	263	10	5.8	0
23/12/2022 21:00	5	260	9	6.9	0
23/12/2022 21:10	4.6	259	11	6.4	0
23/12/2022 21:20	4.9	261	10	6.7	0
23/12/2022 21:30	4.7	260	11	6.4	0
23/12/2022 21:40	4.5	253	12	6.3	0
23/12/2022 21:50	4.6	257	12	6.1	0
23/12/2022 22:00	4.8	254	11	6.1	0
23/12/2022 22:10	4.9	255	10	7.4	0
23/12/2022 22:20	4.7	255	12	6.3	0
23/12/2022 22:30	4.4	249	12	6.3	0
23/12/2022 22:40	3.7	252	12	5.6	0
23/12/2022 22:50	4.3	253	13	6.2	0
23/12/2022 23:00	4.5	250	12	6.4	0
23/12/2022 23:10	4.7	246	11	6.1	0
23/12/2022 23:20	3.9	246	11	5.5	0
23/12/2022 23:30	4	241	12	5.5	0
23/12/2022 23:40	3.4	232	15	4.8	0
23/12/2022 23:50	3.2	230	16	4.6	0
24/12/2022 00:00	3.9	241	13	5.6	0
24/12/2022 00:10	3.9	246	13	5.7	0
24/12/2022 00:20	4.5	246	13	6.1	0
24/12/2022 00:30	4.3	248	12	5.8	0
24/12/2022 00:40	4.1	244	12	5.5	0
24/12/2022 00:50	3.9	247	13	5.6	0
24/12/2022 01:00	4.2	243	12	6.3	0
24/12/2022 01:10	4.5	239	15	6.4	0
24/12/2022 01:20	4.8	241	14	6.8	0
24/12/2022 01:30	4.1	237	12	5.5	0
24/12/2022 01:40	4	238	14	5.6	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/12/2022 01:50	3.6	235	13	4.9	0
24/12/2022 02:00	3.2	232	12	4.4	0
24/12/2022 02:10	3.1	232	14	4.4	0
24/12/2022 02:20	2.9	223	14	4.1	0
24/12/2022 02:30	2.1	226	13	3	0
24/12/2022 02:40	2.2	229	13	3.1	0
24/12/2022 02:50	2	226	16	2.8	0
24/12/2022 03:00	2.1	224	12	3	0
24/12/2022 03:10	2.2	230	12	3.1	0
24/12/2022 03:20	2	230	14	2.8	0
24/12/2022 03:30	2	239	12	2.7	0
24/12/2022 03:40	1.8	248	11	2.4	0
24/12/2022 03:50	1.8	248	11	2.4	0
24/12/2022 04:00	2	259	9	2.6	0
24/12/2022 04:10	1.6	267	8	2.3	0
24/12/2022 04:20	1.2	285	9	1.8	0
24/12/2022 04:30	1.1	254	16	1.6	0
24/12/2022 04:40	1.5	265	11	2	0
24/12/2022 04:50	1.5	262	18	2.1	0
24/12/2022 05:00	1.9	256	10	2.4	0
24/12/2022 05:10	1.6	267	10	2	0
24/12/2022 05:20	2	270	12	2.7	0
24/12/2022 05:30	2.5	270	14	3.5	0
24/12/2022 05:40	2.6	274	13	3.6	0
24/12/2022 05:50	2.6	274	14	3.7	0
24/12/2022 06:00	3.3	266	12	4.5	0
24/12/2022 06:10	3.3	264	12	4.5	0
24/12/2022 06:20	3.2	267	11	4.2	0
24/12/2022 06:30	4.2	262	10	5.2	0
24/12/2022 06:40	4.6	259	12	6.4	0
24/12/2022 06:50	4.7	265	11	6.2	0
24/12/2022 07:00	5.2	259	12	6.8	0
24/12/2022 07:10	4.8	256	11	6.4	0
24/12/2022 07:20	4.9	252	12	6.3	0
24/12/2022 07:30	5	260	11	6.4	0
24/12/2022 07:40	5.3	261	10	6.9	0
24/12/2022 07:50	5.6	264	10	7.2	0
24/12/2022 08:00	5.5	263	11	6.8	0
24/12/2022 08:10	5.8	264	10	7.5	0
24/12/2022 08:20	5.9	263	11	7.9	0
24/12/2022 08:30	5.8	269	12	7.9	0
24/12/2022 08:40	5.8	272	14	7.9	0
24/12/2022 08:50	5.9	269	15	7.4	0
24/12/2022 09:00	5.4	264	15	6.9	0
24/12/2022 09:10	5.5	265	14	7.5	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/12/2022 09:20	5.5	268	12	7.4	0
24/12/2022 09:30	5.3	265	15	7.2	0
24/12/2022 09:40	5.7	269	14	7.5	0
24/12/2022 09:50	5.5	274	13	7.4	0
24/12/2022 10:00	6.3	265	12	8.2	0
24/12/2022 10:10	6	265	12	7.8	0
24/12/2022 10:20	6.1	263	13	7.8	0
24/12/2022 10:30	6.2	267	10	8.1	0
24/12/2022 10:40	6.1	263	12	8.5	0
24/12/2022 10:50	6.1	272	15	7.9	0
24/12/2022 11:00	6.3	271	15	8.3	0
24/12/2022 11:10	6.2	266	14	7.9	0
24/12/2022 11:20	6.9	263	12	8.3	0
24/12/2022 11:30	7	264	11	9.2	0
24/12/2022 11:40	5.9	264	13	8.3	0
24/12/2022 11:50	6.3	261	11	8.5	0
24/12/2022 12:00	6.8	259	10	8.3	0
24/12/2022 12:10	6.4	266	12	8.4	0
24/12/2022 12:20	6.1	268	15	7.9	0
24/12/2022 12:30	6.9	264	12	8.8	0
24/12/2022 12:40	6.7	266	13	9.1	0
24/12/2022 12:50	7	262	12	8.7	0
24/12/2022 13:00	7	265	11	9.1	0
24/12/2022 13:10	6.2	267	13	8.1	0
24/12/2022 13:20	6.5	269	12	8.7	0
24/12/2022 13:30	7.4	263	10	8.9	0
24/12/2022 13:40	7.3	260	8	9.1	0
24/12/2022 13:50	5.7	278	20	8.3	0
24/12/2022 14:00	5.9	297	18	8.4	0
24/12/2022 14:10	6.2	294	12	8	0
24/12/2022 14:20	5.6	275	18	7.7	0
24/12/2022 14:30	5.8	270	15	7.8	0
24/12/2022 14:40	6.7	260	12	8.6	0
24/12/2022 14:50	6.6	260	10	8.8	0
24/12/2022 15:00	5.8	277	17	8.3	0
24/12/2022 15:10	6.8	296	12	9.1	0
24/12/2022 15:20	7	294	13	9.5	0
24/12/2022 15:30	6.8	295	13	8.8	0
24/12/2022 15:40	7.1	297	11	9.5	0
24/12/2022 15:50	6.6	293	12	9.5	0
24/12/2022 16:00	6.6	291	14	9.2	0
24/12/2022 16:10	5.7	286	16	7.9	0
24/12/2022 16:20	6	277	19	8.8	0
24/12/2022 16:30	5.8	279	17	8.4	0
24/12/2022 16:40	6.2	284	16	8.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/12/2022 16:50	6.3	290	13	9.1	0
24/12/2022 17:00	5.7	291	14	7.6	0
24/12/2022 17:10	5.7	286	17	7.9	0
24/12/2022 17:20	5.8	271	14	8.4	0
24/12/2022 17:30	7.3	262	11	9.5	0
24/12/2022 17:40	7.7	260	11	9.4	0
24/12/2022 17:50	6.9	261	11	8.8	0
24/12/2022 18:00	7.2	262	11	9.2	0
24/12/2022 18:10	6.9	261	10	8.7	0
24/12/2022 18:20	7.1	262	11	9.5	0
24/12/2022 18:30	6.9	263	10	9.3	0
24/12/2022 18:40	7.8	263	10	9.5	0
24/12/2022 18:50	7.7	262	9	9.8	0
24/12/2022 19:00	7.3	263	11	9.9	0
24/12/2022 19:10	6.2	266	12	8.3	0
24/12/2022 19:20	7.1	262	10	8.7	0
24/12/2022 19:30	6.6	262	10	9	0
24/12/2022 19:40	6.3	263	10	8.7	0
24/12/2022 19:50	6.4	262	8	8.9	0
24/12/2022 20:00	6.6	262	9	8.2	0
24/12/2022 20:10	6.5	264	9	8.1	0
24/12/2022 20:20	6.6	263	9	8.2	0
24/12/2022 20:30	6.3	261	11	7.9	0
24/12/2022 20:40	6.2	262	10	7.9	0
24/12/2022 20:50	6.3	262	10	8.3	0
24/12/2022 21:00	5.9	265	11	7.4	0
24/12/2022 21:10	6.2	262	10	7.7	0
24/12/2022 21:20	5.9	260	12	7.8	0
24/12/2022 21:30	6.1	262	10	7.9	0
24/12/2022 21:40	5.8	260	10	7.9	0
24/12/2022 21:50	5.6	262	10	7.3	0
24/12/2022 22:00	5.7	251	11	7.4	0
24/12/2022 22:10	5.4	250	11	7.8	0
24/12/2022 22:20	5.4	252	12	7.1	0
24/12/2022 22:30	5.9	244	11	8.1	0
24/12/2022 22:40	4.9	239	13	6.8	0
24/12/2022 22:50	5.3	237	12	7.4	0
24/12/2022 23:00	4.6	238	13	6.8	0
24/12/2022 23:10	5	244	12	7.7	0
24/12/2022 23:20	4.7	239	11	7.3	0
24/12/2022 23:30	3.9	234	14	5.5	0
24/12/2022 23:40	3.9	240	15	6.3	0
24/12/2022 23:50	3.9	238	13	4.9	0
25/12/2022 00:00	4.1	239	12	5.4	0
25/12/2022 00:10	3.5	235	13	4.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/12/2022 00:20	4.2	242	13	5.6	0
25/12/2022 00:30	4.4	247	11	6.4	0
25/12/2022 00:40	4.3	248	13	5.9	0
25/12/2022 00:50	4.8	253	12	6.3	0
25/12/2022 01:00	5.2	255	9	7.1	0
25/12/2022 01:10	4.7	258	10	6.5	0
25/12/2022 01:20	4.6	259	11	6	0
25/12/2022 01:30	4.6	258	10	6	0
25/12/2022 01:40	4.6	258	13	6.2	0
25/12/2022 01:50	4	252	13	5.4	0
25/12/2022 02:00	4.8	252	11	6.4	0
25/12/2022 02:10	5.2	256	10	6.8	0
25/12/2022 02:20	4.7	253	12	6.1	0
25/12/2022 02:30	5.5	256	11	7.3	0
25/12/2022 02:40	5.7	257	10	7.1	0
25/12/2022 02:50	5.4	255	12	7	0
25/12/2022 03:00	5.2	254	11	6.9	0
25/12/2022 03:10	5.4	256	11	7.2	0
25/12/2022 03:20	5.2	255	11	6.7	0
25/12/2022 03:30	4.4	261	10	6	0
25/12/2022 03:40	5.2	255	9	6.6	0
25/12/2022 03:50	4.5	259	12	6.3	0
25/12/2022 04:00	4.3	262	10	5.9	0
25/12/2022 04:10	5	261	11	6.8	0
25/12/2022 04:20	5.6	263	9	7.1	0
25/12/2022 04:30	5.3	263	9	7.1	0
25/12/2022 04:40	5.8	263	9	7.8	0
25/12/2022 04:50	5.7	262	11	7.2	0
25/12/2022 05:00	4.4	259	12	6.2	0
25/12/2022 05:10	4.8	262	10	6.5	0
25/12/2022 05:20	4.4	258	11	5.7	0
25/12/2022 05:30	4.5	260	10	6	0
25/12/2022 05:40	4.7	255	11	6.5	0
25/12/2022 05:50	4.5	255	10	6	0
25/12/2022 06:00	3.9	251	14	4.8	0
25/12/2022 06:10	5	255	9	6.7	0
25/12/2022 06:20	4.4	256	12	6.2	0
25/12/2022 06:30	4.3	257	12	5.3	0
25/12/2022 06:40	4.1	244	11	5.3	0
25/12/2022 06:50	4.2	243	12	5.8	0
25/12/2022 07:00	4.5	244	10	5.9	0
25/12/2022 07:10	4.4	250	15	6	0
25/12/2022 07:20	5	251	11	6.9	0
25/12/2022 07:30	5.5	249	14	7.5	0
25/12/2022 07:40	5.4	244	11	7.3	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/12/2022 07:50	5.6	246	12	8.2	0
25/12/2022 08:00	5	250	13	6.8	0
25/12/2022 08:10	6.1	256	9	7.6	0
25/12/2022 08:20	5.7	255	12	7.5	0
25/12/2022 08:30	5.4	256	12	7.2	0
25/12/2022 08:40	6.4	262	11	8.3	0
25/12/2022 08:50	6.6	262	11	8.3	0
25/12/2022 09:00	6.5	264	10	8.8	0
25/12/2022 09:10	6.4	261	12	8.3	0
25/12/2022 09:20	6.7	259	11	8.3	0
25/12/2022 09:30	6.3	257	10	8.3	0
25/12/2022 09:40	6.6	261	13	8.7	0
25/12/2022 09:50	6.7	267	14	9	0
25/12/2022 10:00	6.8	263	11	9.2	0
25/12/2022 10:10	6.8	263	12	8.8	0
25/12/2022 10:20	6.7	263	12	9.4	0
25/12/2022 10:30	7.2	265	11	9.9	0
25/12/2022 10:40	7	264	12	8.6	0
25/12/2022 10:50	6.8	267	13	9.1	0
25/12/2022 11:00	6.8	260	12	8.7	0
25/12/2022 11:10	7.5	266	13	9.5	0
25/12/2022 11:20	7.3	267	13	10.3	0
25/12/2022 11:30	7.7	266	13	9.9	0
25/12/2022 11:40	8	266	13	10.3	0
25/12/2022 11:50	7.5	268	14	9.5	0
25/12/2022 12:00	8	264	10	9.9	0
25/12/2022 12:10	7	269	14	9.2	0
25/12/2022 12:20	7.4	264	13	10.7	0
25/12/2022 12:30	7.7	261	10	9.9	0
25/12/2022 12:40	7.5	259	10	9.9	0
25/12/2022 12:50	7.6	261	11	9.9	0
25/12/2022 13:00	6.7	263	11	9.4	0
25/12/2022 13:10	6.4	290	14	9.1	0
25/12/2022 13:20	6.3	295	13	8.7	0
25/12/2022 13:30	6.8	297	11	9.3	0
25/12/2022 13:40	7.2	293	13	9.5	0
25/12/2022 13:50	7.7	295	11	9.9	0
25/12/2022 14:00	7.5	299	11	10	0
25/12/2022 14:10	7.5	300	10	9.7	0
25/12/2022 14:20	6.2	298	11	8.5	0
25/12/2022 14:30	7.4	298	10	9.9	0
25/12/2022 14:40	7.4	298	14	10.2	0
25/12/2022 14:50	6.7	290	15	9.2	0
25/12/2022 15:00	7.2	291	12	9.6	0
25/12/2022 15:10	6.3	287	17	8.7	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/12/2022 15:20	6.6	275	17	8.4	0
25/12/2022 15:30	6.5	271	15	8.3	0
25/12/2022 15:40	6.5	276	16	9.5	0
25/12/2022 15:50	7.2	279	13	9.1	0
25/12/2022 16:00	6.7	276	13	8.8	0
25/12/2022 16:10	6.6	275	16	8.6	0
25/12/2022 16:20	6.8	279	15	9.1	0
25/12/2022 16:30	6.6	272	15	8.7	0
25/12/2022 16:40	6	290	13	8.1	0
25/12/2022 16:50	5.7	292	13	7.8	0
25/12/2022 17:00	5.7	290	14	7.5	0
25/12/2022 17:10	6.6	293	11	8.4	0
25/12/2022 17:20	6.1	295	12	8.2	0
25/12/2022 17:30	6.2	290	15	9	0
25/12/2022 17:40	6.4	274	14	8.7	0
25/12/2022 17:50	6.1	270	14	8.4	0
25/12/2022 18:00	6.2	258	12	8.1	0
25/12/2022 18:10	6.5	262	11	8.6	0
25/12/2022 18:20	7	265	12	8.6	0
25/12/2022 18:30	7	261	9	8.7	0
25/12/2022 18:40	6.8	263	9	9.5	0
25/12/2022 18:50	7.5	262	9	9.3	0
25/12/2022 19:00	6.9	261	9	8.8	0
25/12/2022 19:10	7	263	11	9.6	0
25/12/2022 19:20	7.2	262	10	9	0
25/12/2022 19:30	6.9	263	9	8.8	0
25/12/2022 19:40	6.6	264	10	9	0
25/12/2022 19:50	7.1	262	10	9.2	0
25/12/2022 20:00	6.7	263	11	8.2	0
25/12/2022 20:10	6.2	264	10	7.9	0
25/12/2022 20:20	6.8	263	9	8.7	0
25/12/2022 20:30	6.4	263	9	8.2	0
25/12/2022 20:40	5.9	260	12	8.2	0
25/12/2022 20:50	6.6	264	9	8.7	0
25/12/2022 21:00	6.2	261	9	8.7	0
25/12/2022 21:10	5.8	261	11	7.7	0
25/12/2022 21:20	5.6	259	10	7.3	0
25/12/2022 21:30	6	252	12	7.9	0
25/12/2022 21:40	5.5	258	11	7.5	0
25/12/2022 21:50	6.1	255	10	8.3	0
25/12/2022 22:00	5.6	256	13	7.8	0
25/12/2022 22:10	5.7	253	13	7.3	0
25/12/2022 22:20	6.1	256	12	8	0
25/12/2022 22:30	5.5	256	11	7.7	0
25/12/2022 22:40	5.1	259	13	7.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/12/2022 22:50	5.6	254	10	7.6	0
25/12/2022 23:00	5.3	258	11	7.2	0
25/12/2022 23:10	5.3	257	10	7.2	0
25/12/2022 23:20	5.8	257	10	7.9	0
25/12/2022 23:30	5	260	11	6.5	0
25/12/2022 23:40	5.4	256	11	7	0
25/12/2022 23:50	4.8	262	10	7	0
26/12/2022 00:00	4.8	251	13	6.7	0
26/12/2022 00:10	5.1	254	10	7.1	0
26/12/2022 00:20	4.9	256	10	6.6	0
26/12/2022 00:30	5.3	257	11	6.9	0
26/12/2022 00:40	4.7	257	11	6.4	0
26/12/2022 00:50	5.2	261	10	6.9	0
26/12/2022 01:00	5.5	257	11	7.3	0
26/12/2022 01:10	5.3	263	10	6.8	0
26/12/2022 01:20	5.6	259	9	7.5	0
26/12/2022 01:30	5.8	256	10	7.9	0
26/12/2022 01:40	5.5	259	9	7.1	0
26/12/2022 01:50	5.8	258	11	7.7	0
26/12/2022 02:00	5.2	262	11	7.5	0
26/12/2022 02:10	5.1	261	10	7	0
26/12/2022 02:20	5.7	260	10	7.2	0
26/12/2022 02:30	5.4	262	10	7.2	0
26/12/2022 02:40	5.4	262	9	6.9	0
26/12/2022 02:50	5.7	262	9	7.3	0
26/12/2022 03:00	5.9	264	10	7.5	0
26/12/2022 03:10	6.1	263	9	7.4	0
26/12/2022 03:20	5.9	261	10	7.5	0
26/12/2022 03:30	5.3	263	10	7.2	0
26/12/2022 03:40	5.9	263	8	7.2	0
26/12/2022 03:50	5.8	264	9	7.5	0
26/12/2022 04:00	5.4	265	12	7	0
26/12/2022 04:10	5.3	266	10	6.8	0
26/12/2022 04:20	5.7	265	10	7.3	0
26/12/2022 04:30	5.5	264	10	7.8	0
26/12/2022 04:40	4.5	267	11	6	0
26/12/2022 04:50	4.7	269	12	6.4	0
26/12/2022 05:00	4.5	274	15	6.4	0
26/12/2022 05:10	4.6	281	14	6.6	0
26/12/2022 05:20	4.8	273	13	6.8	0
26/12/2022 05:30	5.2	269	11	6.6	0
26/12/2022 05:40	5.6	265	11	7.5	0
26/12/2022 05:50	5	265	12	7	0
26/12/2022 06:00	5.3	263	12	7.5	0
26/12/2022 06:10	5.5	264	10	7.3	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/12/2022 06:20	6.1	263	10	7.9	0
26/12/2022 06:30	5.9	262	10	7.6	0
26/12/2022 06:40	5.2	260	10	6.9	0
26/12/2022 06:50	5.4	261	10	7	0
26/12/2022 07:00	5.2	261	10	6.9	0
26/12/2022 07:10	5	263	10	7.1	0
26/12/2022 07:20	5.2	263	11	6.7	0
26/12/2022 07:30	5.2	261	11	7.5	0
26/12/2022 07:40	4.6	259	10	6.3	0
26/12/2022 07:50	5.2	261	13	6.8	0
26/12/2022 08:00	5.6	264	10	7.6	0
26/12/2022 08:10	5.2	269	14	7	0
26/12/2022 08:20	5.5	266	12	7.4	0
26/12/2022 08:30	5.9	264	14	7.6	0
26/12/2022 08:40	5.9	266	14	7.8	0
26/12/2022 08:50	6	267	12	8	0
26/12/2022 09:00	5.5	264	14	7.9	0
26/12/2022 09:10	5.7	264	12	7.5	0
26/12/2022 09:20	6	264	12	7.7	0
26/12/2022 09:30	6.1	262	12	8	0
26/12/2022 09:40	6.5	263	12	8.6	0
26/12/2022 09:50	6.3	266	11	8.2	0
26/12/2022 10:00	6.4	260	11	8.2	0
26/12/2022 10:10	6.1	262	10	7.8	0
26/12/2022 10:20	5.8	261	14	7.6	0
26/12/2022 10:30	5.8	267	14	7.8	0
26/12/2022 10:40	6.2	261	11	8.3	0
26/12/2022 10:50	6.6	260	12	8.8	0
26/12/2022 11:00	6.9	261	11	8.5	0
26/12/2022 11:10	6.3	262	9	7.6	0
26/12/2022 11:20	5.9	285	18	8.1	0
26/12/2022 11:30	6.2	300	12	8.6	0
26/12/2022 11:40	6.2	298	11	8.3	0
26/12/2022 11:50	6.5	297	14	8.3	0
26/12/2022 12:00	6.2	295	12	7.9	0
26/12/2022 12:10	6.3	299	15	8	0
26/12/2022 12:20	6.3	298	15	8.6	0
26/12/2022 12:30	6.8	300	10	8.6	0
26/12/2022 12:40	6.4	293	11	8	0
26/12/2022 12:50	6.8	297	9	8.8	0
26/12/2022 13:00	6.6	293	12	8.9	0
26/12/2022 13:10	6.3	292	13	8.2	0
26/12/2022 13:20	6.4	295	15	8.7	0
26/12/2022 13:30	6.5	299	13	8.7	0
26/12/2022 13:40	6.7	294	13	8.7	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/12/2022 13:50	6.5	296	15	9	0
26/12/2022 14:00	6.6	297	14	8.5	0
26/12/2022 14:10	6.6	292	14	9	0
26/12/2022 14:20	6.9	295	13	9	0
26/12/2022 14:30	6.2	294	14	9.1	0
26/12/2022 14:40	6.6	296	13	8.4	0
26/12/2022 14:50	6.5	296	12	8.9	0
26/12/2022 15:00	6.1	299	13	8	0
26/12/2022 15:10	6.3	297	15	8.6	0
26/12/2022 15:20	6	299	14	9.1	0
26/12/2022 15:30	6.1	291	13	8.1	0
26/12/2022 15:40	6.6	293	13	8.7	0
26/12/2022 15:50	6.3	295	12	8.3	0
26/12/2022 16:00	6.1	299	12	8.3	0
26/12/2022 16:10	6.6	298	13	9	0
26/12/2022 16:20	6.7	299	13	8.7	0
26/12/2022 16:30	6.4	294	12	8.4	0
26/12/2022 16:40	6.9	296	12	8.8	0
26/12/2022 16:50	6.4	294	12	8.2	0
26/12/2022 17:00	6	296	13	7.9	0
26/12/2022 17:10	6	295	12	7.5	0
26/12/2022 17:20	5.1	290	14	7	0
26/12/2022 17:30	4.8	276	19	6.7	0
26/12/2022 17:40	6.3	261	12	8.2	0
26/12/2022 17:50	5.9	266	12	7.5	0
26/12/2022 18:00	6.7	263	10	8	0
26/12/2022 18:10	5.9	262	10	7.6	0
26/12/2022 18:20	5.6	260	10	7.6	0
26/12/2022 18:30	6	261	10	7.9	0
26/12/2022 18:40	5.8	261	11	7.9	0
26/12/2022 18:50	6.3	256	11	9.1	0
26/12/2022 19:00	5.9	262	10	7.6	0
26/12/2022 19:10	5.5	263	10	7.2	0
26/12/2022 19:20	6.3	263	10	8.2	0
26/12/2022 19:30	5.8	265	11	7.5	0
26/12/2022 19:40	6	261	11	7.4	0
26/12/2022 19:50	4.9	272	13	6.7	0
26/12/2022 20:00	5.5	268	12	7	0
26/12/2022 20:10	4.7	273	12	6.4	0
26/12/2022 20:20	4.8	271	11	6.2	0
26/12/2022 20:30	4.3	268	13	6	0
26/12/2022 20:40	4	271	13	6	0
26/12/2022 20:50	3.9	289	14	5.6	0
26/12/2022 21:00	4.6	299	11	6.6	0
26/12/2022 21:10	5.1	305	13	7	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/12/2022 21:20	5.4	293	13	7	0
26/12/2022 21:30	5.5	299	9	7.1	0
26/12/2022 21:40	5.4	292	12	7.4	0
26/12/2022 21:50	4.2	279	15	6.3	0
26/12/2022 22:00	4.9	290	14	6.8	0
26/12/2022 22:10	4.8	290	16	6.4	0
26/12/2022 22:20	4.4	266	14	5.9	0
26/12/2022 22:30	4.5	273	14	6.1	0
26/12/2022 22:40	4.7	267	13	6.2	0
26/12/2022 22:50	4.2	269	12	6.3	0
26/12/2022 23:00	4.7	267	12	6.2	0
26/12/2022 23:10	4.9	269	11	6.6	0
26/12/2022 23:20	4.5	268	13	6.2	0
26/12/2022 23:30	4.5	269	12	6	0
26/12/2022 23:40	4.6	264	12	6.3	0
26/12/2022 23:50	4.1	268	11	5.8	0
27/12/2022 00:00	3.9	264	10	5.4	0
27/12/2022 00:10	3.7	277	12	5	0
27/12/2022 00:20	3.3	269	12	4.5	0
27/12/2022 00:30	3.4	272	13	5	0
27/12/2022 00:40	3.7	275	15	4.9	0
27/12/2022 00:50	3.8	272	15	5.1	0
27/12/2022 01:00	3.9	266	13	5.2	0
27/12/2022 01:10	3.8	273	14	5.2	0
27/12/2022 01:20	3.6	268	14	4.9	0
27/12/2022 01:30	3.7	269	13	4.8	0
27/12/2022 01:40	3.6	265	11	5	0
27/12/2022 01:50	3.3	274	15	4.4	0
27/12/2022 02:00	3.3	284	15	4.8	0
27/12/2022 02:10	2.7	272	16	4	0
27/12/2022 02:20	3.2	284	15	4.6	0
27/12/2022 02:30	3	280	19	4.3	0
27/12/2022 02:40	2.9	282	16	4.6	0
27/12/2022 02:50	2.7	275	15	4.1	0
27/12/2022 03:00	2.9	267	12	4	0
27/12/2022 03:10	2.7	271	17	4	0
27/12/2022 03:20	3.7	287	14	5.5	0
27/12/2022 03:30	4	285	15	5.4	0
27/12/2022 03:40	3.6	283	17	4.9	0
27/12/2022 03:50	3.7	283	14	5.1	0
27/12/2022 04:00	3.3	282	16	4.8	0
27/12/2022 04:10	3.1	280	15	4.4	0
27/12/2022 04:20	3.3	287	15	4.8	0
27/12/2022 04:30	3.8	291	14	5.4	0
27/12/2022 04:40	3.3	279	16	4.8	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/12/2022 04:50	3.8	292	13	5.3	0
27/12/2022 05:00	3.6	276	16	4.8	0
27/12/2022 05:10	3.3	283	15	4.8	0
27/12/2022 05:20	3.5	275	16	4.8	0
27/12/2022 05:30	3.7	286	13	5.4	0
27/12/2022 05:40	3.6	279	15	5	0
27/12/2022 05:50	3.7	268	16	5.4	0
27/12/2022 06:00	4	272	13	5.7	0
27/12/2022 06:10	3.4	280	18	4.7	0
27/12/2022 06:20	3.8	271	12	5.5	0
27/12/2022 06:30	3.7	263	13	5	0
27/12/2022 06:40	3.3	261	13	4.5	0
27/12/2022 06:50	3.2	267	14	4.4	0
27/12/2022 07:00	3.1	262	11	4.2	0
27/12/2022 07:10	3.1	254	12	4.1	0
27/12/2022 07:20	3.3	249	13	4.4	0
27/12/2022 07:30	3.4	260	11	4.7	0
27/12/2022 07:40	3.4	262	14	4.8	0
27/12/2022 07:50	3.6	260	15	4.9	0
27/12/2022 08:00	3.6	261	14	4.9	0
27/12/2022 08:10	3.6	264	16	4.8	0
27/12/2022 08:20	3.9	247	13	5.2	0
27/12/2022 08:30	3.5	259	18	4.7	0
27/12/2022 08:40	3.6	248	14	4.8	0
27/12/2022 08:50	3.3	270	18	4.7	0
27/12/2022 09:00	2.8	268	22	4.7	0
27/12/2022 09:10	2.9	277	22	4.5	0
27/12/2022 09:20	2.7	286	22	4.4	0
27/12/2022 09:30	4.3	289	15	6	0
27/12/2022 09:40	3.7	292	14	5.2	0
27/12/2022 09:50	4.2	295	18	6.4	0
27/12/2022 10:00	4.5	297	17	6.3	0
27/12/2022 10:10	5.1	291	14	6.6	0
27/12/2022 10:20	4.9	296	11	6.3	0
27/12/2022 10:30	4.7	293	13	6	0
27/12/2022 10:40	4.4	295	14	6	0
27/12/2022 10:50	4.4	292	15	5.9	0
27/12/2022 11:00	4.2	298	13	5.9	0
27/12/2022 11:10	4.7	295	14	6	0
27/12/2022 11:20	4.5	297	11	6	0
27/12/2022 11:30	4.2	294	14	5.7	0
27/12/2022 11:40	4.5	298	13	5.7	0
27/12/2022 11:50	4.5	293	16	6.1	0
27/12/2022 12:00	4.6	294	13	6	0
27/12/2022 12:10	4.1	295	16	6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/12/2022 12:20	4.3	298	15	6	0
27/12/2022 12:30	5.3	295	13	7	0
27/12/2022 12:40	5.2	294	14	6.9	0
27/12/2022 12:50	5.1	301	13	7.5	0
27/12/2022 13:00	5.5	293	12	6.9	0
27/12/2022 13:10	5.5	300	15	7.5	0
27/12/2022 13:20	5.4	294	13	7.5	0
27/12/2022 13:30	5.5	286	14	7.3	0
27/12/2022 13:40	5.4	291	14	7.4	0
27/12/2022 13:50	5.4	295	13	7.2	0
27/12/2022 14:00	5.3	295	16	6.5	0
27/12/2022 14:10	5.7	301	13	7.6	0
27/12/2022 14:20	5.5	304	13	7.5	0
27/12/2022 14:30	5	299	16	7	0
27/12/2022 14:40	5.6	292	14	7.3	0
27/12/2022 14:50	6.1	292	11	7.9	0
27/12/2022 15:00	6.2	295	10	8.2	0
27/12/2022 15:10	5.7	296	11	7.5	0
27/12/2022 15:20	5.3	296	13	6.6	0
27/12/2022 15:30	5.3	301	11	7.2	0
27/12/2022 15:40	5.3	306	14	7.4	0
27/12/2022 15:50	4.8	310	17	7.8	0
27/12/2022 16:00	3.9	347	27	6.6	0
27/12/2022 16:10	3.5	335	24	5.4	0
27/12/2022 16:20	4.1	339	21	6.3	0
27/12/2022 16:30	4.3	342	21	6.9	0
27/12/2022 16:40	4	344	19	6.6	0
27/12/2022 16:50	4	339	21	6.5	0
27/12/2022 17:00	4.6	352	24	7.2	0
27/12/2022 17:10	4.8	176	22	6.8	0
27/12/2022 17:20	5.1	176	18	7.2	0
27/12/2022 17:30	5	4	22	7.2	0
27/12/2022 17:40	5.4	351	22	7.8	0
27/12/2022 17:50	4.9	348	22	7.2	0
27/12/2022 18:00	5.5	344	16	8	0
27/12/2022 18:10	5.4	346	20	7.7	0
27/12/2022 18:20	5.8	347	15	8.3	0
27/12/2022 18:30	5.2	354	19	7.4	0
27/12/2022 18:40	4.6	352	20	6.9	0
27/12/2022 18:50	4.5	330	18	7.6	0
27/12/2022 19:00	4.9	311	15	7.8	0
27/12/2022 19:10	3.9	246	17	5.5	0
27/12/2022 19:20	3.3	243	24	4.8	0
27/12/2022 19:30	2.4	246	22	3.6	0
27/12/2022 19:40	4.1	245	19	5.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/12/2022 19:50	3.4	255	12	4.7	0
27/12/2022 20:00	3.6	276	11	4.6	0
27/12/2022 20:10	4.2	292	12	5.6	0
27/12/2022 20:20	4.2	292	13	6	0
27/12/2022 20:30	3.4	273	15	4.4	0
27/12/2022 20:40	4	282	17	5.6	0
27/12/2022 20:50	4.2	292	13	5.7	0
27/12/2022 21:00	3.8	286	14	4.9	0
27/12/2022 21:10	4.1	288	14	5.5	0
27/12/2022 21:20	3.9	284	14	5.1	0
27/12/2022 21:30	4	297	12	5.4	0
27/12/2022 21:40	4.5	292	12	6	0
27/12/2022 21:50	4	286	15	5.5	0
27/12/2022 22:00	3.4	275	16	4.7	0
27/12/2022 22:10	3.3	281	16	5.1	0
27/12/2022 22:20	3.7	282	15	4.9	0
27/12/2022 22:30	4.3	293	12	6	0
27/12/2022 22:40	3.8	280	17	5.2	0
27/12/2022 22:50	5	297	10	6.4	0
27/12/2022 23:00	3.5	286	13	4.6	0
27/12/2022 23:10	4	289	14	5.7	0
27/12/2022 23:20	4.2	292	15	5.7	0
27/12/2022 23:30	4.4	290	10	5.8	0
27/12/2022 23:40	4.5	288	12	5.9	0
27/12/2022 23:50	4.2	289	13	5.6	0
28/12/2022 00:00	4.4	293	13	5.7	0
28/12/2022 00:10	4.4	298	9	5.9	0
28/12/2022 00:20	4.2	291	13	5.6	0
28/12/2022 00:30	4.3	295	10	5.5	0
28/12/2022 00:40	3.2	286	14	4.6	0
28/12/2022 00:50	3.3	281	16	4.8	0
28/12/2022 01:00	3.7	276	14	5.2	0
28/12/2022 01:10	4.3	292	13	5.9	0
28/12/2022 01:20	4.1	288	13	5.7	0
28/12/2022 01:30	4.9	293	12	6.8	0
28/12/2022 01:40	4.9	297	11	6.3	0
28/12/2022 01:50	4.8	292	11	6.3	0
28/12/2022 02:00	4.5	290	14	6	0
28/12/2022 02:10	3.9	279	15	5.1	0
28/12/2022 02:20	3.9	264	11	5.2	0
28/12/2022 02:30	3.6	270	13	4.9	0
28/12/2022 02:40	3.8	263	11	5.2	0
28/12/2022 02:50	4.1	260	10	5.6	0
28/12/2022 03:00	4.5	266	10	5.9	0
28/12/2022 03:10	3.8	268	13	5.2	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/12/2022 03:20	4.1	272	14	5.4	0
28/12/2022 03:30	3.7	265	13	4.9	0
28/12/2022 03:40	3.5	265	11	4.6	0
28/12/2022 03:50	3.9	262	10	4.8	0
28/12/2022 04:00	4.2	263	9	5.5	0
28/12/2022 04:10	4.4	261	9	5.6	0
28/12/2022 04:20	4.1	260	10	5.6	0
28/12/2022 04:30	3.2	261	11	4	0
28/12/2022 04:40	2.7	242	17	4	0
28/12/2022 04:50	1.3	151	55	2	0
28/12/2022 05:00	1.5	40	34	2.5	0
28/12/2022 05:10	2.7	54	12	3.8	0
28/12/2022 05:20	2.2	58	13	3	0
28/12/2022 05:30	3.1	55	13	4.2	0
28/12/2022 05:40	2.8	70	13	3.8	0
28/12/2022 05:50	1.8	68	15	2.6	0
28/12/2022 06:00	2.7	43	15	4	0
28/12/2022 06:10	2.6	21	18	3.9	0
28/12/2022 06:20	3.6	23	16	5.2	0
28/12/2022 06:30	2.9	9	20	4.3	0
28/12/2022 06:40	3.4	9	19	5.2	0
28/12/2022 06:50	2.4	176	21	4	0
28/12/2022 07:00	2.3	178	24	3.6	0
28/12/2022 07:10	2.3	181	30	3.6	0
28/12/2022 07:20	1.1	331	49	2.9	0
28/12/2022 07:30	1.6	177	28	2.8	0
28/12/2022 07:40	1.8	179	39	3.2	0
28/12/2022 07:50	1.5	166	43	3.2	0
28/12/2022 08:00	1.3	321	38	2.4	0
28/12/2022 08:10	2.2	300	31	3.4	0
28/12/2022 08:20	2.4	304	20	3.6	0
28/12/2022 08:30	2.1	280	23	3.2	0
28/12/2022 08:40	2.2	288	19	3.2	0
28/12/2022 08:50	2.5	285	23	3.6	0
28/12/2022 09:00	2.3	258	20	3.4	0
28/12/2022 09:10	2.5	248	24	3.5	0
28/12/2022 09:20	2.5	236	19	3.5	0
28/12/2022 09:30	2.3	255	29	4	0
28/12/2022 09:40	2.3	254	24	3.7	0
28/12/2022 09:50	3.1	270	20	4.5	0
28/12/2022 10:00	3.4	267	20	4.7	0
28/12/2022 10:10	2.9	274	21	4	0
28/12/2022 10:20	2.5	239	21	3.8	0
28/12/2022 10:30	3	272	23	4.5	0
28/12/2022 10:40	3.4	298	16	4.8	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/12/2022 10:50	3.2	304	16	4.8	0
28/12/2022 11:00	3.2	308	13	4.4	0
28/12/2022 11:10	2.5	309	20	4	0
28/12/2022 11:20	2.9	300	25	4.1	0
28/12/2022 11:30	3.5	300	14	4.8	0
28/12/2022 11:40	3.6	303	16	4.8	0
28/12/2022 11:50	4	302	14	5.6	0
28/12/2022 12:00	4.6	297	11	5.7	0
28/12/2022 12:10	4.4	297	10	5.4	0
28/12/2022 12:20	4.4	299	12	5.8	0
28/12/2022 12:30	4.5	297	10	5.9	0
28/12/2022 12:40	5.3	299	11	6.4	0
28/12/2022 12:50	5	300	10	6.1	0
28/12/2022 13:00	4.7	312	16	6.5	0
28/12/2022 13:10	4.3	298	15	6	0
28/12/2022 13:20	4.8	301	14	6.7	0
28/12/2022 13:30	4.9	301	13	6.7	0
28/12/2022 13:40	5.4	301	12	6.8	0
28/12/2022 13:50	4.9	300	12	7.3	0
28/12/2022 14:00	4.1	310	20	6.8	0
28/12/2022 14:10	5	305	13	7.2	0
28/12/2022 14:20	5.2	303	13	7.1	0
28/12/2022 14:30	5.3	307	14	7.6	0
28/12/2022 14:40	4	342	21	6.4	0
28/12/2022 14:50	3.7	340	25	6.7	0
28/12/2022 15:00	3.5	312	21	5.9	0
28/12/2022 15:10	3.1	316	33	5.2	0
28/12/2022 15:20	2.9	333	32	4.6	0
28/12/2022 15:30	4	314	25	7.1	0
28/12/2022 15:40	4.1	165	24	6.4	0
28/12/2022 15:50	3.8	330	27	6.2	0
28/12/2022 16:00	3.7	356	26	6.4	0
28/12/2022 16:10	3.8	347	21	5.6	0
28/12/2022 16:20	3.2	317	31	5.2	0
28/12/2022 16:30	4.1	310	20	6.1	0
28/12/2022 16:40	5.8	295	12	7.8	0
28/12/2022 16:50	4.9	298	12	6.7	0
28/12/2022 17:00	4.5	298	13	6.4	0
28/12/2022 17:10	4.5	288	14	6	0
28/12/2022 17:20	4.7	274	18	6.8	0
28/12/2022 17:30	4.5	275	14	5.8	0
28/12/2022 17:40	5.1	268	14	7.2	0
28/12/2022 17:50	5.4	259	13	7.2	0
28/12/2022 18:00	6.1	258	12	7.9	0
28/12/2022 18:10	4.8	263	9	7.1	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/12/2022 18:20	5.1	262	12	6.5	0
28/12/2022 18:30	4.9	266	11	6.4	0
28/12/2022 18:40	4	265	14	6	0
28/12/2022 18:50	4.2	272	12	5.7	0
28/12/2022 19:00	4	267	15	5.6	0
28/12/2022 19:10	3.6	275	17	5.3	0
28/12/2022 19:20	3.8	289	12	5.3	0
28/12/2022 19:30	2.8	241	43	4.1	0
28/12/2022 19:40	2.2	114	20	3	0
28/12/2022 19:50	3.2	141	22	5.3	0.1
28/12/2022 20:00	3.4	130	16	5	0.2
28/12/2022 20:10	5.2	119	12	7.3	0
28/12/2022 20:20	4.1	122	13	6.1	0
28/12/2022 20:30	4.5	122	13	6.2	0
28/12/2022 20:40	3.4	118	14	4.8	0
28/12/2022 20:50	3	112	13	4.2	0.1
28/12/2022 21:00	2.6	100	11	3.5	0
28/12/2022 21:10	2.9	106	14	4	0.2
28/12/2022 21:20	2.8	110	13	3.8	0.1
28/12/2022 21:30	2.4	124	17	3.8	0
28/12/2022 21:40	1.5	141	44	2.6	0
28/12/2022 21:50	2.1	111	12	3	0
28/12/2022 22:00	2.8	92	11	3.8	0
28/12/2022 22:10	2.4	83	10	3.3	0
28/12/2022 22:20	2.7	86	11	3.5	0
28/12/2022 22:30	1.8	88	13	2.6	0
28/12/2022 22:40	2.2	71	9	2.9	0
28/12/2022 22:50	1.1	49	21	1.7	0
28/12/2022 23:00	0.7	217	24	1.3	0
28/12/2022 23:10	0.5	109	7	0.9	0
28/12/2022 23:20	1.7	257	7	2.8	0
28/12/2022 23:30	1.9	264	11	2.6	0
28/12/2022 23:40	1.8	261	12	2.4	0
28/12/2022 23:50	1.6	258	8	2.4	0
29/12/2022 00:00	0.1	249	3	0.6	0
29/12/2022 00:10	1.1	276	15	2	0
29/12/2022 00:20	0.9	302	15	1.2	0
29/12/2022 00:30	0.7	299	19	1.6	0
29/12/2022 00:40	2	270	19	3	0
29/12/2022 00:50	2.5	294	13	3.5	0
29/12/2022 01:00	2.8	290	16	4.1	0
29/12/2022 01:10	2.4	288	16	3.6	0
29/12/2022 01:20	3.2	265	14	4	0
29/12/2022 01:30	3.5	258	11	5.6	0
29/12/2022 01:40	4.8	259	12	6.4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/12/2022 01:50	4.4	262	11	5.9	0
29/12/2022 02:00	5.3	265	9	6.8	0
29/12/2022 02:10	5	251	11	7.2	0
29/12/2022 02:20	4.1	236	14	5.6	0
29/12/2022 02:30	2.9	246	14	4.4	0
29/12/2022 02:40	3.3	231	14	4.8	0
29/12/2022 02:50	3.1	227	15	4.4	0
29/12/2022 03:00	4	232	15	5.6	0
29/12/2022 03:10	3.2	230	14	4.4	0
29/12/2022 03:20	2.7	236	15	3.7	0
29/12/2022 03:30	2.2	224	17	3.2	0
29/12/2022 03:40	2.1	223	18	2.9	0
29/12/2022 03:50	2	224	18	2.7	0
29/12/2022 04:00	2.4	234	12	3.4	0
29/12/2022 04:10	2.4	241	11	3.4	0
29/12/2022 04:20	2.2	256	11	3	0
29/12/2022 04:30	2.5	264	9	3.2	0
29/12/2022 04:40	3.3	265	11	4.3	0
29/12/2022 04:50	3.3	257	10	4.4	0
29/12/2022 05:00	3	258	11	4.1	0
29/12/2022 05:10	3.2	264	10	4.4	0
29/12/2022 05:20	3.6	264	8	4.6	0
29/12/2022 05:30	3.8	264	9	5.1	0
29/12/2022 05:40	3.9	261	10	4.9	0
29/12/2022 05:50	3.6	262	10	4.9	0
29/12/2022 06:00	3.5	262	11	4.9	0
29/12/2022 06:10	4	251	10	5.2	0
29/12/2022 06:20	3.2	255	12	4.2	0
29/12/2022 06:30	3.4	264	12	4.3	0
29/12/2022 06:40	3.8	265	11	4.8	0
29/12/2022 06:50	4	262	10	5	0
29/12/2022 07:00	3.7	262	10	5.2	0
29/12/2022 07:10	3.4	259	11	4.5	0
29/12/2022 07:20	3.1	256	12	4.3	0
29/12/2022 07:30	3.2	264	12	4.3	0
29/12/2022 07:40	3.6	261	11	4.5	0
29/12/2022 07:50	3.2	257	11	4.4	0
29/12/2022 08:00	3.3	262	11	4.4	0
29/12/2022 08:10	3.3	260	12	4.2	0
29/12/2022 08:20	3.2	261	11	4.3	0
29/12/2022 08:30	3.1	259	11	4	0
29/12/2022 08:40	3.2	258	10	4.3	0
29/12/2022 08:50	3	261	9	3.7	0
29/12/2022 09:00	2.7	259	13	3.8	0
29/12/2022 09:10	2.8	250	15	3.6	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/12/2022 09:20	2.6	257	16	3.4	0
29/12/2022 09:30	2.4	242	18	3.1	0
29/12/2022 09:40	1.5	232	30	2.5	0
29/12/2022 09:50	0.9	213	43	1.8	0
29/12/2022 10:00	1.4	91	33	2.6	0
29/12/2022 10:10	1.8	98	19	3	0
29/12/2022 10:20	2.5	108	18	3.9	0
29/12/2022 10:30	2.7	98	19	4.1	0
29/12/2022 10:40	3.4	71	21	5.6	0
29/12/2022 10:50	2.8	91	21	3.9	0
29/12/2022 11:00	3.3	73	14	4.8	0
29/12/2022 11:10	3.6	64	16	5.1	0
29/12/2022 11:20	4.1	78	13	5.5	0
29/12/2022 11:30	4.1	74	13	5.9	0
29/12/2022 11:40	3.3	83	17	4.6	0
29/12/2022 11:50	3.4	99	15	5.2	0
29/12/2022 12:00	3.7	80	16	5.2	0
29/12/2022 12:10	3.2	78	18	5.3	0
29/12/2022 12:20	3.3	65	30	6	0
29/12/2022 12:30	2.6	99	42	5.1	0
29/12/2022 12:40	2.2	93	53	4.4	0
29/12/2022 12:50	1.6	108	51	3.2	0
29/12/2022 13:00	2.3	247	36	4.2	0
29/12/2022 13:10	2.6	309	40	3.9	0
29/12/2022 13:20	3.4	287	17	4.4	0
29/12/2022 13:30	4.1	281	13	5.1	0
29/12/2022 13:40	3.6	300	10	4.7	0
29/12/2022 13:50	3.7	301	17	4.8	0
29/12/2022 14:00	4.5	301	12	6	0
29/12/2022 14:10	3.3	306	16	4.9	0
29/12/2022 14:20	4.1	304	15	5.7	0
29/12/2022 14:30	4.5	300	12	5.9	0
29/12/2022 14:40	5	300	11	6.4	0
29/12/2022 14:50	4.7	303	11	6.3	0
29/12/2022 15:00	4.8	305	11	6	0
29/12/2022 15:10	4.3	310	15	5.9	0
29/12/2022 15:20	3.7	337	19	5.2	0
29/12/2022 15:30	3.2	351	20	4.7	0
29/12/2022 15:40	3.3	326	20	5.4	0
29/12/2022 15:50	3.7	318	17	5.5	0
29/12/2022 16:00	4.7	306	14	6.8	0
29/12/2022 16:10	4	310	16	7.2	0
29/12/2022 16:20	3.7	325	20	5.9	0
29/12/2022 16:30	4.3	308	17	6.3	0
29/12/2022 16:40	3.7	319	17	5.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/12/2022 16:50	5.2	308	11	6.8	0
29/12/2022 17:00	5.1	303	11	6.9	0
29/12/2022 17:10	4.8	292	11	6.4	0
29/12/2022 17:20	5.1	302	11	6.7	0
29/12/2022 17:30	5.2	292	12	6.6	0
29/12/2022 17:40	4.4	283	15	6	0
29/12/2022 17:50	4.6	274	15	6.4	0
29/12/2022 18:00	4.5	280	15	6.1	0
29/12/2022 18:10	4.5	269	13	6	0
29/12/2022 18:20	4.4	265	14	5.8	0
29/12/2022 18:30	3.9	271	14	5.2	0
29/12/2022 18:40	4.4	269	14	5.6	0
29/12/2022 18:50	3.8	275	17	5.4	0
29/12/2022 19:00	3.9	274	16	5.7	0
29/12/2022 19:10	5	265	10	6.7	0
29/12/2022 19:20	5.4	262	11	7.1	0
29/12/2022 19:30	5.7	260	12	8.4	0
29/12/2022 19:40	6.6	255	14	8.8	0
29/12/2022 19:50	6.2	258	11	8.1	0
29/12/2022 20:00	5.5	261	11	7.9	0
29/12/2022 20:10	4.8	257	13	6.4	0
29/12/2022 20:20	6.1	261	12	7.9	0
29/12/2022 20:30	5.3	258	11	7.4	0
29/12/2022 20:40	5.1	262	12	6.8	0
29/12/2022 20:50	5.3	258	11	6.8	0
29/12/2022 21:00	5.1	257	10	7.1	0
29/12/2022 21:10	5.4	256	10	7.2	0
29/12/2022 21:20	5.4	255	12	7.4	0
29/12/2022 21:30	5.6	255	11	7.5	0
29/12/2022 21:40	5	255	12	6.8	0
29/12/2022 21:50	4.2	259	12	5.9	0
29/12/2022 22:00	4.3	260	11	6	0
29/12/2022 22:10	4.4	256	11	5.6	0
29/12/2022 22:20	3.8	253	11	4.9	0
29/12/2022 22:30	3.7	255	10	4.9	0
29/12/2022 22:40	4.3	254	11	6	0
29/12/2022 22:50	4.1	254	10	5.5	0
29/12/2022 23:00	3.4	259	13	4.5	0
29/12/2022 23:10	3.6	260	10	4.9	0
29/12/2022 23:20	3.7	258	10	4.9	0
29/12/2022 23:30	3.9	260	9	4.9	0
29/12/2022 23:40	3.5	258	10	4.6	0
29/12/2022 23:50	3.5	264	9	4.8	0
30/12/2022 00:00	3.6	261	9	4.7	0
30/12/2022 00:10	3.1	269	12	4.1	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/12/2022 00:20	3.3	266	11	4.1	0
30/12/2022 00:30	3.5	269	12	4.6	0
30/12/2022 00:40	3.5	269	10	4.8	0
30/12/2022 00:50	3.4	273	13	4.5	0
30/12/2022 01:00	3.8	272	12	4.8	0
30/12/2022 01:10	4.3	269	12	5.7	0
30/12/2022 01:20	4.6	265	11	5.9	0
30/12/2022 01:30	4.6	269	13	5.7	0
30/12/2022 01:40	5.2	265	10	7.3	0
30/12/2022 01:50	6	264	10	7.9	0
30/12/2022 02:00	5.2	264	11	7.9	0
30/12/2022 02:10	5.5	263	11	7.9	0
30/12/2022 02:20	5.2	257	10	6.9	0
30/12/2022 02:30	5.2	254	11	7.5	0
30/12/2022 02:40	4.9	256	12	6.9	0
30/12/2022 02:50	5.2	256	11	7.5	0
30/12/2022 03:00	5.8	256	11	7.8	0
30/12/2022 03:10	5.5	255	10	7.6	0
30/12/2022 03:20	5.4	255	10	7.5	0
30/12/2022 03:30	5.6	254	11	7.5	0
30/12/2022 03:40	5.3	256	14	7.5	0
30/12/2022 03:50	4.9	255	13	6.6	0
30/12/2022 04:00	5	253	12	6.9	0
30/12/2022 04:10	4.4	252	12	6	0
30/12/2022 04:20	4.2	251	13	5.8	0
30/12/2022 04:30	4	253	12	5.4	0
30/12/2022 04:40	3.7	252	13	5.2	0
30/12/2022 04:50	4.3	255	12	6	0
30/12/2022 05:00	4.1	254	12	6.1	0
30/12/2022 05:10	3.9	254	11	4.9	0
30/12/2022 05:20	3.8	251	12	5.2	0
30/12/2022 05:30	3.6	251	12	5.3	0
30/12/2022 05:40	3.8	247	11	5.5	0
30/12/2022 05:50	3.7	253	11	4.8	0
30/12/2022 06:00	3.6	257	12	5	0
30/12/2022 06:10	3.8	252	12	5	0
30/12/2022 06:20	3.8	255	13	4.8	0
30/12/2022 06:30	3.9	257	10	5.2	0
30/12/2022 06:40	4.5	254	11	6.2	0
30/12/2022 06:50	4.5	253	10	6	0
30/12/2022 07:00	4.5	256	11	5.9	0
30/12/2022 07:10	4.7	256	11	5.9	0
30/12/2022 07:20	4.3	255	11	6	0
30/12/2022 07:30	4.1	256	10	5.4	0
30/12/2022 07:40	4.7	252	13	6	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/12/2022 07:50	4.9	252	11	6.4	0
30/12/2022 08:00	4.8	254	11	6.1	0
30/12/2022 08:10	4.4	255	12	6.4	0
30/12/2022 08:20	5.6	257	10	6.9	0
30/12/2022 08:30	4.5	258	12	6.3	0
30/12/2022 08:40	4.4	258	10	5.8	0
30/12/2022 08:50	4.8	258	9	6	0
30/12/2022 09:00	4.4	257	12	5.5	0
30/12/2022 09:10	3.9	249	13	4.8	0
30/12/2022 09:20	3.7	251	14	5.2	0
30/12/2022 09:30	3	240	19	4.1	0
30/12/2022 09:40	3	262	16	4.4	0
30/12/2022 09:50	4.4	267	12	5.6	0
30/12/2022 10:00	3.3	264	16	4.4	0
30/12/2022 10:10	2.2	218	42	3.6	0
30/12/2022 10:20	2.3	192	39	4.4	0
30/12/2022 10:30	2.4	92	39	4.8	0
30/12/2022 10:40	3	117	27	4.8	0
30/12/2022 10:50	3.1	84	23	4.9	0
30/12/2022 11:00	3.6	69	20	6	0
30/12/2022 11:10	3.7	64	18	5.4	0
30/12/2022 11:20	3.5	72	17	5.5	0
30/12/2022 11:30	3.4	62	20	5.6	0
30/12/2022 11:40	2.9	65	23	4.6	0
30/12/2022 11:50	3.3	60	25	5.3	0
30/12/2022 12:00	3	192	42	5.1	0
30/12/2022 12:10	3.2	324	26	4.8	0
30/12/2022 12:20	2.5	176	32	4.4	0
30/12/2022 12:30	3	327	32	4.6	0
30/12/2022 12:40	3.8	299	18	5.4	0
30/12/2022 12:50	2.9	308	35	4.9	0
30/12/2022 13:00	3.2	310	21	4.8	0
30/12/2022 13:10	3	306	25	5	0
30/12/2022 13:20	2.8	0	25	4.2	0
30/12/2022 13:30	2.9	348	22	4.4	0
30/12/2022 13:40	3.8	326	19	5.9	0
30/12/2022 13:50	3.2	339	26	5.3	0
30/12/2022 14:00	4.4	305	17	6.1	0
30/12/2022 14:10	5.7	300	13	7.3	0
30/12/2022 14:20	4.8	305	14	6.6	0
30/12/2022 14:30	5.6	296	12	7.4	0
30/12/2022 14:40	6.4	274	14	8.2	0
30/12/2022 14:50	6.2	269	13	8	0
30/12/2022 15:00	5.8	269	16	7.9	0
30/12/2022 15:10	5.5	265	14	7.4	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/12/2022 15:20	5.4	292	16	6.8	0
30/12/2022 15:30	5.9	287	15	7.9	0
30/12/2022 15:40	5.9	289	14	7.6	0
30/12/2022 15:50	5.6	287	15	7.4	0
30/12/2022 16:00	5.7	289	13	7.6	0
30/12/2022 16:10	5.5	291	15	7.5	0
30/12/2022 16:20	5.9	289	13	8	0
30/12/2022 16:30	5.2	282	17	6.9	0
30/12/2022 16:40	5.8	296	10	7.6	0
30/12/2022 16:50	5.3	270	15	7.3	0
30/12/2022 17:00	5.8	258	12	7.6	0
30/12/2022 17:10	6.1	262	10	8	0
30/12/2022 17:20	5.5	263	13	7.5	0
30/12/2022 17:30	5.5	259	12	8.3	0
30/12/2022 17:40	4.8	262	14	6.3	0
30/12/2022 17:50	4.6	258	12	6.5	0
30/12/2022 18:00	3.6	270	17	5.5	0
30/12/2022 18:10	4.8	288	13	6	0
30/12/2022 18:20	3.8	285	14	5.2	0
30/12/2022 18:30	3.6	284	16	5.4	0
30/12/2022 18:40	3.9	286	12	5.3	0
30/12/2022 18:50	3.8	273	15	5.1	0
30/12/2022 19:00	3.4	282	17	4.6	0
30/12/2022 19:10	3.7	268	14	4.9	0
30/12/2022 19:20	3.8	270	13	5	0
30/12/2022 19:30	3.7	274	15	5	0
30/12/2022 19:40	3.6	270	14	4.9	0
30/12/2022 19:50	3.8	261	11	4.8	0
30/12/2022 20:00	5	260	10	6.6	0
30/12/2022 20:10	4.4	265	12	6.6	0
30/12/2022 20:20	4.5	265	11	6	0
30/12/2022 20:30	5.4	263	10	7	0
30/12/2022 20:40	5.2	263	12	6.6	0
30/12/2022 20:50	4.1	276	16	5.7	0
30/12/2022 21:00	4.2	289	15	6.3	0
30/12/2022 21:10	4.5	276	14	6.2	0
30/12/2022 21:20	5.1	272	15	6.9	0
30/12/2022 21:30	4.9	268	13	7	0
30/12/2022 21:40	5.8	266	12	7.7	0
30/12/2022 21:50	5.6	267	14	7.8	0
30/12/2022 22:00	5.1	270	12	6.8	0
30/12/2022 22:10	4.9	270	14	6.6	0
30/12/2022 22:20	4	282	17	5.8	0
30/12/2022 22:30	3.8	276	16	5	0
30/12/2022 22:40	3.8	289	15	5.4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/12/2022 22:50	3.5	279	16	5	0
30/12/2022 23:00	4.1	293	14	5.6	0
30/12/2022 23:10	4.5	290	13	6.4	0
30/12/2022 23:20	3.8	283	16	5.4	0
30/12/2022 23:30	3.8	287	13	5.6	0
30/12/2022 23:40	4.2	292	14	5.8	0
30/12/2022 23:50	4.8	296	12	6.3	0
31/12/2022 00:00	5	297	11	6.6	0
31/12/2022 00:10	4.9	301	11	6.9	0
31/12/2022 00:20	5	301	11	6.9	0
31/12/2022 00:30	5.1	302	12	7.2	0
31/12/2022 00:40	5.3	300	10	7	0
31/12/2022 00:50	4.7	308	14	6.5	0
31/12/2022 01:00	4.9	302	11	7.2	0
31/12/2022 01:10	4.8	302	14	6.8	0
31/12/2022 01:20	4.7	300	10	6.8	0
31/12/2022 01:30	5	294	10	6.5	0
31/12/2022 01:40	4.6	295	13	6.4	0
31/12/2022 01:50	5.1	295	11	6.9	0
31/12/2022 02:00	5	294	12	6.5	0
31/12/2022 02:10	4.8	293	12	6.4	0
31/12/2022 02:20	4.4	291	14	6.2	0
31/12/2022 02:30	4	286	13	6	0
31/12/2022 02:40	4.1	291	12	6	0
31/12/2022 02:50	3.9	281	16	5.6	0
31/12/2022 03:00	3.9	277	15	5.5	0
31/12/2022 03:10	3.7	271	14	5.5	0
31/12/2022 03:20	2.5	274	17	4	0
31/12/2022 03:30	2.3	272	17	3.4	0
31/12/2022 03:40	2.5	288	13	4	0
31/12/2022 03:50	2.7	287	15	4.2	0
31/12/2022 04:00	2.7	289	14	3.9	0
31/12/2022 04:10	3	297	11	3.9	0
31/12/2022 04:20	2.9	300	11	3.7	0
31/12/2022 04:30	2.7	297	10	3.7	0
31/12/2022 04:40	2.6	297	11	3.4	0
31/12/2022 04:50	2.6	298	11	3.3	0
31/12/2022 05:00	1.9	295	12	2.8	0
31/12/2022 05:10	1.7	297	12	2.3	0
31/12/2022 05:20	1.2	301	9	1.7	0
31/12/2022 05:30	0.6	281	14	1.2	0
31/12/2022 05:40	0	230	0	0.4	0
31/12/2022 05:50					0
31/12/2022 06:00	0.1	142	2	0.6	0
31/12/2022 06:10					0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/12/2022 06:20	0.6	107	15	1.3	0
31/12/2022 06:30	0.7	177	65	1.5	0
31/12/2022 06:40	1.8	139	40	3.9	0
31/12/2022 06:50	2.5	123	15	3.8	0
31/12/2022 07:00	2.8	132	18	4	0
31/12/2022 07:10	2.9	133	19	4.4	0
31/12/2022 07:20	3.4	128	16	5.2	0
31/12/2022 07:30	4.1	117	11	6.2	0
31/12/2022 07:40	4	121	14	5.7	0
31/12/2022 07:50	4.3	108	14	6.2	0
31/12/2022 08:00	4.7	97	11	6.4	0
31/12/2022 08:10	4.7	98	10	5.9	0
31/12/2022 08:20	3.7	106	15	5.6	0
31/12/2022 08:30	4.2	99	14	6.4	0
31/12/2022 08:40	3.7	109	14	5.4	0
31/12/2022 08:50	4.2	91	11	5.5	0
31/12/2022 09:00	4.7	105	17	6.5	0
31/12/2022 09:10	4.2	101	14	6	0
31/12/2022 09:20	5	95	13	6.6	0
31/12/2022 09:30	4.9	93	15	6.8	0
31/12/2022 09:40	5.1	91	13	7.1	0
31/12/2022 09:50	5.5	93	13	7.2	0
31/12/2022 10:00	5.7	91	14	8	0
31/12/2022 10:10	5.8	88	13	8.1	0
31/12/2022 10:20	6.6	76	12	8.6	0
31/12/2022 10:30	7	78	11	9.2	0
31/12/2022 10:40	7.5	77	11	9.9	0
31/12/2022 10:50	7.6	80	10	10.1	0
31/12/2022 11:00	7.2	78	12	9.4	0
31/12/2022 11:10	7.3	79	10	9.8	0
31/12/2022 11:20	6.9	81	11	9.3	0
31/12/2022 11:30	6.4	77	13	9	0
31/12/2022 11:40	7.4	79	10	10.1	0
31/12/2022 11:50	7.3	73	13	9.5	0
31/12/2022 12:00	6.9	69	12	9.5	0
31/12/2022 12:10	6.5	68	12	8.8	0
31/12/2022 12:20	6.4	58	14	8.4	0
31/12/2022 12:30	6.2	62	12	7.9	0
31/12/2022 12:40	6	65	15	8.5	0
31/12/2022 12:50	5.6	64	15	7.9	0
31/12/2022 13:00	5.5	74	15	7.9	0
31/12/2022 13:10	5.6	60	13	7.1	0
31/12/2022 13:20	6	67	13	8.5	0
31/12/2022 13:30	6.2	68	12	7.9	0
31/12/2022 13:40	5.9	63	12	7.9	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/12/2022 13:50	6.3	55	13	8.5	0
31/12/2022 14:00	6.1	58	14	7.9	0
31/12/2022 14:10	6	56	13	8	0
31/12/2022 14:20	5.8	48	16	7.9	0
31/12/2022 14:30	5.2	33	18	7.3	0
31/12/2022 14:40	6.4	38	12	8.1	0
31/12/2022 14:50	6.1	39	15	8.7	0
31/12/2022 15:00	5	23	16	7	0
31/12/2022 15:10	4.7	29	19	7.4	0
31/12/2022 15:20	4.3	11	22	6.1	0
31/12/2022 15:30	3.9	349	17	5.7	0
31/12/2022 15:40	3.9	342	26	5.7	0
31/12/2022 15:50	5.1	325	24	7.7	0
31/12/2022 16:00	4.5	347	22	6.7	0
31/12/2022 16:10	4.9	349	21	7	0
31/12/2022 16:20	4.7	353	21	7.2	0
31/12/2022 16:30	4.4	352	24	6.5	0
31/12/2022 16:40	4.7	351	22	6.8	0
31/12/2022 16:50	3.8	343	19	5.6	0
31/12/2022 17:00	4.1	313	20	6.8	0
31/12/2022 17:10	6.1	301	10	8.3	0
31/12/2022 17:20	4.3	311	20	7.1	0
31/12/2022 17:30	4.9	301	13	7	0
31/12/2022 17:40	4.7	319	19	7.4	0
31/12/2022 17:50	3.8	351	24	6	0
31/12/2022 18:00	3.3	341	27	5.3	0
31/12/2022 18:10	3.2	322	22	4.8	0
31/12/2022 18:20	4.1	318	20	7.1	0
31/12/2022 18:30	3.7	310	20	6.1	0
31/12/2022 18:40	4.8	302	15	6.6	0
31/12/2022 18:50	5.1	300	11	6.8	0
31/12/2022 19:00	4.6	292	14	6.4	0
31/12/2022 19:10	4.6	295	11	6	0
31/12/2022 19:20	4.6	300	10	6.1	0
31/12/2022 19:30	4.4	299	15	5.8	0
31/12/2022 19:40	4.7	299	11	6.1	0
31/12/2022 19:50	5.3	293	11	6.6	0
31/12/2022 20:00	4.9	292	13	6.4	0
31/12/2022 20:10	4.2	283	14	6	0
31/12/2022 20:20	2.8	297	15	3.6	0
31/12/2022 20:30	3.2	282	19	4.8	0
31/12/2022 20:40	3.9	297	9	4.8	0
31/12/2022 20:50	3.4	298	12	4.7	0
31/12/2022 21:00	4.3	302	14	6.3	0
31/12/2022 21:10	4.5	304	14	7	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/12/2022 21:20	4.9	303	15	7	0
31/12/2022 21:30	4.1	297	13	6.2	0
31/12/2022 21:40	3.4	295	12	4.8	0
31/12/2022 21:50	3.6	300	11	4.8	0
31/12/2022 22:00	3.5	309	13	4.9	0
31/12/2022 22:10	3.4	303	15	4.8	0
31/12/2022 22:20	4.2	298	12	5.5	0
31/12/2022 22:30	3.5	273	15	4.8	0
31/12/2022 22:40	3.7	272	15	5.2	0
31/12/2022 22:50	4.1	273	16	6	0
31/12/2022 23:00	4.3	275	14	6.4	0
31/12/2022 23:10	4.3	288	16	6	0
31/12/2022 23:20	4	289	15	5.4	0
31/12/2022 23:30	3.3	280	16	4.6	0
31/12/2022 23:40	3	283	16	4.5	0
31/12/2022 23:50	3.5	290	12	4.6	0
01/01/2023 00:00	2.9	285	14	4.1	0
01/01/2023 00:10	2.8	268	13	3.9	0
01/01/2023 00:20	2.5	262	10	3.3	0
01/01/2023 00:30	2.6	261	8	3.2	0
01/01/2023 00:40	2.2	258	9	2.9	0
01/01/2023 00:50	2.5	251	12	3.6	0
01/01/2023 01:00	2.2	235	16	3.2	0
01/01/2023 01:10	2.5	244	11	3.6	0
01/01/2023 01:20	3	237	11	4	0
01/01/2023 01:30	2.8	226	18	3.9	0
01/01/2023 01:40	2.9	227	16	4.1	0
01/01/2023 01:50	3.7	219	14	5.2	0
01/01/2023 02:00	3.8	216	12	4.7	0
01/01/2023 02:10	3.9	218	15	5.2	0
01/01/2023 02:20	3.4	214	14	4.2	0
01/01/2023 02:30	3	215	16	3.9	0
01/01/2023 02:40	2.7	218	17	3.8	0
01/01/2023 02:50	2.4	223	21	3.4	0
01/01/2023 03:00	3.1	217	12	3.9	0
01/01/2023 03:10	3.4	220	13	4.5	0
01/01/2023 03:20	3.2	215	14	4.1	0
01/01/2023 03:30	3.5	224	14	4.8	0
01/01/2023 03:40	3.2	233	11	4.4	0
01/01/2023 03:50	3.1	236	11	4.2	0
01/01/2023 04:00	2.8	236	11	3.8	0
01/01/2023 04:10	3	232	11	3.8	0
01/01/2023 04:20	2.9	243	12	4	0
01/01/2023 04:30	2.9	245	11	3.6	0
01/01/2023 04:40	3.2	249	10	4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/01/2023 04:50	3.2	250	10	4.1	0
01/01/2023 05:00	3.7	250	10	4.8	0
01/01/2023 05:10	3.6	244	13	4.8	0
01/01/2023 05:20	3.6	238	11	4.8	0
01/01/2023 05:30	3.8	241	11	5	0
01/01/2023 05:40	4.1	244	12	5.3	0
01/01/2023 05:50	4.4	239	10	5.7	0
01/01/2023 06:00	4.1	240	11	6.1	0
01/01/2023 06:10	3.8	243	12	5.2	0
01/01/2023 06:20	4.3	234	13	5.9	0
01/01/2023 06:30	4.3	236	13	5.5	0
01/01/2023 06:40	4.4	233	14	5.8	0
01/01/2023 06:50	4.4	231	15	6.2	0
01/01/2023 07:00	4.1	238	13	5.7	0
01/01/2023 07:10	3.9	228	13	5.7	0
01/01/2023 07:20	3.4	220	15	5.5	0
01/01/2023 07:30	4.5	216	19	6.8	0
01/01/2023 07:40	4.9	221	14	6.8	0
01/01/2023 07:50	5.5	220	15	7.4	0
01/01/2023 08:00	4.9	220	16	7	0
01/01/2023 08:10	5.6	221	19	8	0
01/01/2023 08:20	6.3	218	16	8.6	0
01/01/2023 08:30	5.5	219	28	8.7	0
01/01/2023 08:40	5.7	219	23	7.9	0
01/01/2023 08:50	5.5	217	25	8.6	0
01/01/2023 09:00	5.8	219	25	8.3	0
01/01/2023 09:10	5	225	39	9.1	0
01/01/2023 09:20	5.2	215	42	8.7	0
01/01/2023 09:30	7.1	217	18	9.6	0
01/01/2023 09:40	5.5	220	21	8.2	0
01/01/2023 09:50	5.6	222	18	7.5	0
01/01/2023 10:00	4.9	224	19	6.8	0
01/01/2023 10:10	5.1	227	17	7.5	0
01/01/2023 10:20	5.7	227	16	7.8	0
01/01/2023 10:30	5.3	230	16	7.7	0
01/01/2023 10:40	5.9	229	14	8.3	0
01/01/2023 10:50	5.4	224	18	7.4	0
01/01/2023 11:00	6	232	15	8.7	0
01/01/2023 11:10	5.8	235	14	8.3	0
01/01/2023 11:20	5.7	247	16	7.9	0
01/01/2023 11:30	7	272	11	9.3	0
01/01/2023 11:40	7.4	272	14	9.7	0
01/01/2023 11:50	6.7	270	13	8.8	0
01/01/2023 12:00	7.7	264	10	9.7	0
01/01/2023 12:10	7.6	262	10	10.8	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/01/2023 12:20	7.7	263	12	10.1	0
01/01/2023 12:30	8.5	263	10	10.7	0
01/01/2023 12:40	7.7	264	10	10.7	0
01/01/2023 12:50	8.1	263	11	10.2	0
01/01/2023 13:00	7.7	258	13	10.3	0
01/01/2023 13:10	8.3	261	11	11.1	0
01/01/2023 13:20	7.5	262	12	9.9	0
01/01/2023 13:30	8.1	258	13	11.3	0
01/01/2023 13:40	8.1	259	11	11.6	0
01/01/2023 13:50	8.4	263	12	11.5	0
01/01/2023 14:00	8.6	261	13	11.3	0
01/01/2023 14:10	8.7	260	12	12.7	0
01/01/2023 14:20	8.4	261	12	11.5	0
01/01/2023 14:30	9.1	265	12	11.9	0
01/01/2023 14:40	8.4	262	12	11.9	0
01/01/2023 14:50	9.1	256	13	11.8	0
01/01/2023 15:00	9.6	259	12	13.1	0
01/01/2023 15:10	9.5	256	10	12.9	0
01/01/2023 15:20	9.2	256	12	12.9	0
01/01/2023 15:30	8.8	256	11	13.9	0
01/01/2023 15:40	9.3	259	12	13.6	0
01/01/2023 15:50	9.5	261	12	12.7	0
01/01/2023 16:00	8.4	256	11	11.9	0
01/01/2023 16:10	8.9	258	11	12.3	0
01/01/2023 16:20	9.6	257	11	12.3	0
01/01/2023 16:30	10.1	259	11	14.3	0
01/01/2023 16:40	9.7	261	12	13.1	0
01/01/2023 16:50	9.1	261	11	12.7	0
01/01/2023 17:00	9.7	261	10	12.8	0
01/01/2023 17:10	9.2	259	11	12.3	0
01/01/2023 17:20	9.7	257	12	12.7	0
01/01/2023 17:30	9.9	257	11	12.8	0
01/01/2023 17:40	9	258	12	12.8	0
01/01/2023 17:50	9.6	262	10	12.3	0
01/01/2023 18:00	9.3	257	12	11.8	0
01/01/2023 18:10	9.7	258	12	12.8	0
01/01/2023 18:20	8.8	262	12	12.3	0
01/01/2023 18:30	9.7	261	12	12.7	0
01/01/2023 18:40	9.3	259	11	12.8	0
01/01/2023 18:50	9.2	255	11	12.3	0
01/01/2023 19:00	8.8	258	10	12	0
01/01/2023 19:10	8.6	259	11	11.6	0
01/01/2023 19:20	8.6	261	12	12.1	0
01/01/2023 19:30	8.8	257	11	11.8	0
01/01/2023 19:40	8.9	256	11	11.9	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/01/2023 19:50	8.6	260	11	12.3	0
01/01/2023 20:00	7.6	255	11	10.5	0
01/01/2023 20:10	8.1	256	10	10.7	0
01/01/2023 20:20	8.3	256	11	11.9	0
01/01/2023 20:30	7.8	255	11	11.4	0
01/01/2023 20:40	8.5	255	12	11.8	0
01/01/2023 20:50	8.8	253	12	12.1	0
01/01/2023 21:00	8.5	255	12	11.1	0
01/01/2023 21:10	9.1	253	11	12.5	0
01/01/2023 21:20	8.7	254	11	11.7	0
01/01/2023 21:30	8.8	256	11	12.6	0
01/01/2023 21:40	9	256	11	11.9	0
01/01/2023 21:50	8.6	257	10	12.6	0
01/01/2023 22:00	8.7	258	12	11.8	0
01/01/2023 22:10	8.5	257	12	11.6	0
01/01/2023 22:20	8.4	256	10	11.7	0
01/01/2023 22:30	8	254	12	11.3	0
01/01/2023 22:40	8.4	256	13	12	0
01/01/2023 22:50	9.1	255	12	12.4	0
01/01/2023 23:00	8	252	10	11.4	0
01/01/2023 23:10	7.8	256	11	11.2	0
01/01/2023 23:20	9.1	256	12	12.3	0
01/01/2023 23:30	8.5	256	11	12	0
01/01/2023 23:40	8.1	255	12	11.5	0
01/01/2023 23:50	8.8	253	11	11.9	0
02/01/2023 00:00	9.6	255	11	12.5	0
02/01/2023 00:10	8.7	256	12	11.6	0
02/01/2023 00:20	9	257	12	13	0
02/01/2023 00:30	8.3	254	12	11.1	0
02/01/2023 00:40	7.9	255	11	11	0
02/01/2023 00:50	7.8	256	11	10.4	0
02/01/2023 01:00	8	257	11	10.9	0
02/01/2023 01:10	7.8	255	12	10.7	0
02/01/2023 01:20	8.3	254	12	10.8	0
02/01/2023 01:30	8.3	254	13	12.3	0
02/01/2023 01:40	7.8	253	12	10.5	0
02/01/2023 01:50	8.1	251	11	10.4	0
02/01/2023 02:00	7.7	247	12	10.8	0
02/01/2023 02:10	6.5	251	12	9.6	0
02/01/2023 02:20	7.5	251	13	10.9	0
02/01/2023 02:30	7.2	249	13	9.7	0
02/01/2023 02:40	7.6	253	12	10.6	0
02/01/2023 02:50	7.5	250	12	11	0
02/01/2023 03:00	6.9	247	13	10.2	0
02/01/2023 03:10	7.8	251	13	11.2	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/01/2023 03:20	8.2	253	12	11.5	0
02/01/2023 03:30	7.3	254	11	10.7	0
02/01/2023 03:40	6.4	255	16	8.9	0
02/01/2023 03:50	6.6	250	14	9.2	0
02/01/2023 04:00	7	248	12	9.4	0
02/01/2023 04:10	7.7	253	12	10.8	0
02/01/2023 04:20	7.9	256	11	10.8	0
02/01/2023 04:30	7.1	255	12	9.9	0
02/01/2023 04:40	6.5	254	12	9.7	0
02/01/2023 04:50	7.2	254	13	9.5	0
02/01/2023 05:00	7.9	256	11	10.4	0
02/01/2023 05:10	7	253	11	10	0
02/01/2023 05:20	7.6	254	11	10.5	0
02/01/2023 05:30	6.8	254	12	9.9	0
02/01/2023 05:40	7.4	254	12	9.6	0
02/01/2023 05:50	6.9	254	12	9.3	0
02/01/2023 06:00	6.9	252	12	10.2	0
02/01/2023 06:10	7.4	254	12	10.7	0
02/01/2023 06:20	7.3	256	10	10.6	0
02/01/2023 06:30	7.3	257	12	9.5	0
02/01/2023 06:40	7.5	256	10	10.3	0
02/01/2023 06:50	7.6	254	11	9.8	0
02/01/2023 07:00	6.8	249	12	9.9	0
02/01/2023 07:10	6.9	251	12	10.2	0
02/01/2023 07:20	7.2	254	11	9.9	0
02/01/2023 07:30	7.2	243	13	9.6	0
02/01/2023 07:40	7.1	250	11	9.6	0
02/01/2023 07:50	6.5	251	11	9.4	0
02/01/2023 08:00	6.8	246	11	9.4	0
02/01/2023 08:10	7.3	252	12	9.1	0
02/01/2023 08:20	7.7	253	11	9.9	0
02/01/2023 08:30	7.4	250	12	10.4	0
02/01/2023 08:40	6.7	244	13	9.2	0
02/01/2023 08:50	6.5	250	13	8.6	0
02/01/2023 09:00	7.1	255	12	9.1	0
02/01/2023 09:10	6.7	252	11	9.1	0
02/01/2023 09:20	6.8	246	13	8.7	0
02/01/2023 09:30	6.4	252	14	8.6	0
02/01/2023 09:40	6.5	252	13	8.4	0
02/01/2023 09:50	6.7	256	13	9.1	0
02/01/2023 10:00	6.3	258	12	8.1	0
02/01/2023 10:10	7.2	259	11	9.5	0
02/01/2023 10:20	7.7	263	10	9.6	0
02/01/2023 10:30	7.7	259	11	9.8	0
02/01/2023 10:40	8	261	12	10	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/01/2023 10:50	7.7	262	11	10.3	0
02/01/2023 11:00	8	261	10	10.3	0
02/01/2023 11:10	8.3	262	11	10.3	0
02/01/2023 11:20	8.3	262	11	10.8	0
02/01/2023 11:30	7.8	261	12	9.9	0
02/01/2023 11:40	8.5	262	11	10.7	0
02/01/2023 11:50	8.2	261	12	10.7	0
02/01/2023 12:00	8.1	262	11	10.7	0
02/01/2023 12:10	7.9	262	11	10.7	0
02/01/2023 12:20	8.9	264	10	11.9	0
02/01/2023 12:30	8.4	267	13	11.6	0
02/01/2023 12:40	7.9	264	14	11.1	0
02/01/2023 12:50	8.4	268	13	11.5	0
02/01/2023 13:00	9.1	264	10	12.1	0
02/01/2023 13:10	9.5	262	10	12	0
02/01/2023 13:20	9.1	262	11	11.1	0
02/01/2023 13:30	9.5	262	12	12.3	0
02/01/2023 13:40	8.9	265	11	12	0
02/01/2023 13:50	8.3	266	12	11.9	0
02/01/2023 14:00	9.3	262	11	12.3	0
02/01/2023 14:10	8.7	261	11	11.5	0
02/01/2023 14:20	9.3	263	11	12	0
02/01/2023 14:30	10.1	263	11	13.1	0
02/01/2023 14:40	8.9	263	12	11.9	0
02/01/2023 14:50	9.5	262	10	12.6	0
02/01/2023 15:00	8.6	265	12	11.2	0
02/01/2023 15:10	8.3	261	11	11.3	0
02/01/2023 15:20	8.8	261	10	12	0
02/01/2023 15:30	8.7	264	10	11.9	0
02/01/2023 15:40	8.1	262	11	10.4	0
02/01/2023 15:50	8.8	262	11	11	0
02/01/2023 16:00	7.8	264	15	10.9	0
02/01/2023 16:10	8.1	264	11	10.7	0
02/01/2023 16:20	8.7	263	11	11.1	0
02/01/2023 16:30	8.5	259	11	12.1	0
02/01/2023 16:40	7.9	259	13	11	0
02/01/2023 16:50	8	260	11	11.1	0
02/01/2023 17:00	8.1	259	12	11.1	0
02/01/2023 17:10	8.9	256	11	11.7	0
02/01/2023 17:20	7.9	259	11	10.5	0
02/01/2023 17:30	7.9	261	11	10.3	0
02/01/2023 17:40	7.8	259	11	10.3	0
02/01/2023 17:50	7.8	255	12	11.1	0
02/01/2023 18:00	8.2	255	11	11.6	0
02/01/2023 18:10	7.9	256	12	11.5	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/01/2023 18:20	7.8	260	10	10.3	0
02/01/2023 18:30	8.3	261	12	11.5	0
02/01/2023 18:40	7.4	263	11	9.7	0
02/01/2023 18:50	8.2	264	11	11.1	0
02/01/2023 19:00	8.1	264	11	10.7	0
02/01/2023 19:10	6.9	261	13	9.6	0
02/01/2023 19:20	7.3	256	12	9.5	0
02/01/2023 19:30	7.6	254	13	9.7	0
02/01/2023 19:40	7.8	256	12	10.6	0
02/01/2023 19:50	7.6	255	12	10.6	0
02/01/2023 20:00	7.6	256	11	9.9	0
02/01/2023 20:10	8.4	256	11	11.9	0
02/01/2023 20:20	8.3	256	11	11.5	0
02/01/2023 20:30	8.2	259	12	10.9	0
02/01/2023 20:40	8.8	260	10	11.3	0
02/01/2023 20:50	8.8	257	12	11.9	0
02/01/2023 21:00	8.3	258	12	11.6	0
02/01/2023 21:10	8	255	13	11	0
02/01/2023 21:20	8.5	255	10	11.1	0
02/01/2023 21:30	8.6	258	11	12	0
02/01/2023 21:40	8.3	256	12	12.5	0
02/01/2023 21:50	8.3	257	11	11.1	0
02/01/2023 22:00	7.6	257	13	9.9	0
02/01/2023 22:10	8	255	13	11.8	0
02/01/2023 22:20	7.7	254	12	11.1	0
02/01/2023 22:30	7.7	255	10	10.7	0
02/01/2023 22:40	6.8	254	13	9.2	0
02/01/2023 22:50	7.3	252	12	10.6	0
02/01/2023 23:00	7.9	253	12	10.7	0
02/01/2023 23:10	7.3	256	10	10.1	0
02/01/2023 23:20	7.4	255	11	9.8	0
02/01/2023 23:30	7.8	254	10	10.3	0
02/01/2023 23:40	7.4	256	11	9.5	0
02/01/2023 23:50	8	256	11	11.1	0
03/01/2023 00:00	8.3	253	11	11.1	0
03/01/2023 00:10	8	256	11	10.5	0
03/01/2023 00:20	7.8	256	11	10.3	0
03/01/2023 00:30	8.6	256	10	11.2	0
03/01/2023 00:40	7.3	256	11	9.5	0
03/01/2023 00:50	7.2	251	11	9.8	0
03/01/2023 01:00	7	249	13	10.5	0
03/01/2023 01:10	6.9	253	12	10.2	0
03/01/2023 01:20	7.1	255	11	10	0
03/01/2023 01:30	6.8	254	12	9.1	0
03/01/2023 01:40	6.6	252	12	9.3	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/01/2023 01:50	6.7	252	13	9.4	0
03/01/2023 02:00	5.7	252	13	8.4	0
03/01/2023 02:10	5.6	253	12	7.9	0
03/01/2023 02:20	5.6	246	15	8.7	0
03/01/2023 02:30	3.3	173	37	5.3	0
03/01/2023 02:40	2.8	197	25	4	0
03/01/2023 02:50	2.2	244	20	3.3	0
03/01/2023 03:00	2.8	247	20	4.3	0
03/01/2023 03:10	3.2	253	17	4.9	0
03/01/2023 03:20	3.8	259	11	5	0
03/01/2023 03:30	3.5	261	10	4.8	0
03/01/2023 03:40	3.9	263	9	5.2	0
03/01/2023 03:50	3.4	268	13	4.9	0
03/01/2023 04:00	3.2	271	14	4.5	0
03/01/2023 04:10	3	270	13	4	0
03/01/2023 04:20	3.7	270	14	4.9	0
03/01/2023 04:30	3.9	271	13	5.6	0
03/01/2023 04:40	3.8	268	12	5.3	0
03/01/2023 04:50	4.7	261	9	6	0
03/01/2023 05:00	4.5	266	13	6.3	0
03/01/2023 05:10	5.2	265	11	7.2	0
03/01/2023 05:20	5.2	263	10	6.8	0
03/01/2023 05:30	5.8	264	8	8.4	0
03/01/2023 05:40	6.1	262	10	7.8	0
03/01/2023 05:50	6.3	262	9	8.3	0
03/01/2023 06:00	6.4	262	10	8.3	0
03/01/2023 06:10	6.2	262	10	8	0
03/01/2023 06:20	6	262	9	7.6	0
03/01/2023 06:30	6.1	260	10	8.4	0
03/01/2023 06:40	5.7	259	11	7.7	0
03/01/2023 06:50	5.8	257	12	7.9	0
03/01/2023 07:00	5.6	258	10	7.4	0
03/01/2023 07:10	5.6	255	11	7.3	0
03/01/2023 07:20	5.2	247	13	7.3	0
03/01/2023 07:30	5.6	252	12	7.2	0
03/01/2023 07:40	5.7	255	11	7.3	0
03/01/2023 07:50	5.3	255	11	6.9	0
03/01/2023 08:00	5.2	256	10	6.6	0
03/01/2023 08:10	5	258	10	7.1	0
03/01/2023 08:20	5.5	261	11	7.6	0
03/01/2023 08:30	5.7	254	12	7.8	0
03/01/2023 08:40	6	264	10	7.6	0
03/01/2023 08:50	6.1	260	10	8.2	0
03/01/2023 09:00	5.9	257	11	7.9	0
03/01/2023 09:10	6.1	261	12	7.8	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/01/2023 09:20	6.1	261	11	8.6	0
03/01/2023 09:30	6.6	260	11	8.6	0
03/01/2023 09:40	6.1	258	13	8.3	0
03/01/2023 09:50	6.4	260	12	8.3	0
03/01/2023 10:00	6.4	259	12	8.7	0
03/01/2023 10:10	6.7	261	13	9.3	0
03/01/2023 10:20	7	266	13	9	0
03/01/2023 10:30	7.5	264	11	9.5	0
03/01/2023 10:40	6.5	262	13	8.8	0
03/01/2023 10:50	6.8	262	12	8.7	0
03/01/2023 11:00	6.3	258	13	8.7	0
03/01/2023 11:10	6.7	261	12	8.5	0
03/01/2023 11:20	6.6	259	12	8.3	0
03/01/2023 11:30	7	263	11	9.2	0
03/01/2023 11:40	7.4	267	13	9.5	0
03/01/2023 11:50	7.3	269	14	9.8	0
03/01/2023 12:00	7.9	263	11	10.2	0
03/01/2023 12:10	7.9	263	11	9.9	0
03/01/2023 12:20	7	259	13	9.1	0
03/01/2023 12:30	7.5	259	11	10	0
03/01/2023 12:40	7.6	265	13	10	0
03/01/2023 12:50	7.3	262	13	10.4	0
03/01/2023 13:00	8	263	12	10.4	0
03/01/2023 13:10	7.6	263	10	9.8	0
03/01/2023 13:20	7.4	263	12	10.3	0
03/01/2023 13:30	7.9	261	12	10.2	0
03/01/2023 13:40	8.4	263	12	10.6	0
03/01/2023 13:50	8.6	263	10	11.1	0
03/01/2023 14:00	8.3	264	9	10.7	0
03/01/2023 14:10	7.6	260	11	10.7	0
03/01/2023 14:20	7.9	258	11	10.4	0
03/01/2023 14:30	8.5	262	11	10.9	0
03/01/2023 14:40	8.4	263	10	10.7	0
03/01/2023 14:50	7.5	260	12	10.3	0
03/01/2023 15:00	8.4	264	10	10.3	0
03/01/2023 15:10	8.6	262	9	11.7	0
03/01/2023 15:20	8.4	264	11	10.7	0
03/01/2023 15:30	8.4	261	11	10.7	0
03/01/2023 15:40	8.6	262	12	11.8	0
03/01/2023 15:50	9.6	263	10	12.3	0
03/01/2023 16:00	9.1	262	10	11.7	0
03/01/2023 16:10	9.7	263	10	12	0
03/01/2023 16:20	8.8	260	11	11.7	0
03/01/2023 16:30	9.4	264	9	11.9	0
03/01/2023 16:40	8.7	265	12	11.9	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/01/2023 16:50	9.5	264	9	11.7	0
03/01/2023 17:00	8.5	262	12	11.4	0
03/01/2023 17:10	8.8	261	11	11.8	0
03/01/2023 17:20	8.4	264	12	11.1	0
03/01/2023 17:30	9.2	263	9	13.4	0
03/01/2023 17:40	9.4	258	11	13.1	0
03/01/2023 17:50	9.1	248	12	12.1	0
03/01/2023 18:00	8.5	239	12	12.3	0
03/01/2023 18:10	7.6	251	12	10.1	0
03/01/2023 18:20	8.5	256	12	11.6	0
03/01/2023 18:30	8	256	12	10.7	0
03/01/2023 18:40	8.1	262	12	11.1	0
03/01/2023 18:50	9.2	265	10	12.3	0
03/01/2023 19:00	8.8	271	12	11.9	0
03/01/2023 19:10	8.4	275	14	11.6	0
03/01/2023 19:20	7.6	269	13	10.8	0
03/01/2023 19:30	8	267	12	11.1	0
03/01/2023 19:40	7.3	262	11	9.8	0
03/01/2023 19:50	7.6	264	12	10.3	0
03/01/2023 20:00	7.6	268	11	10.2	0
03/01/2023 20:10	7	261	11	9.1	0
03/01/2023 20:20	6.6	260	13	9.5	0
03/01/2023 20:30	6.5	256	12	8.7	0
03/01/2023 20:40	7.1	257	10	9.3	0
03/01/2023 20:50	6.7	260	12	8.7	0
03/01/2023 21:00	7.2	255	10	9.3	0
03/01/2023 21:10	7.4	259	10	10.3	0
03/01/2023 21:20	7.3	260	11	9.9	0
03/01/2023 21:30	7.5	263	9	9.9	0
03/01/2023 21:40	7.1	261	10	9.4	0
03/01/2023 21:50	7.9	258	10	10.7	0
03/01/2023 22:00	8.2	259	10	10.8	0
03/01/2023 22:10	7.7	257	12	10.3	0
03/01/2023 22:20	6.8	256	12	9.6	0
03/01/2023 22:30	8	255	10	11.3	0
03/01/2023 22:40	9.3	253	11	12.1	0
03/01/2023 22:50	8.2	249	12	10.9	0
03/01/2023 23:00	7.5	247	12	10.8	0
03/01/2023 23:10	7.1	250	11	10	0
03/01/2023 23:20	7.1	256	11	9.6	0
03/01/2023 23:30	6.7	250	12	9.7	0
03/01/2023 23:40	7.1	254	14	9.5	0
03/01/2023 23:50	6.9	254	12	9.4	0
04/01/2023 00:00	6.4	248	13	9.4	0
04/01/2023 00:10	6.1	245	13	9.3	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/01/2023 00:20	6.2	247	14	9.2	0
04/01/2023 00:30	6.7	250	13	9.5	0
04/01/2023 00:40	6.6	252	12	9.1	0
04/01/2023 00:50	5.5	246	13	7.6	0
04/01/2023 01:00	5.8	254	12	8	0
04/01/2023 01:10	6.2	250	11	8.5	0
04/01/2023 01:20	6.4	250	12	8.7	0
04/01/2023 01:30	5.6	253	12	7.2	0
04/01/2023 01:40	6.6	257	11	8.8	0
04/01/2023 01:50	7.4	257	10	9.5	0
04/01/2023 02:00	7.4	257	10	9.6	0
04/01/2023 02:10	6.7	254	9	9.3	0
04/01/2023 02:20	7.1	257	9	9.7	0
04/01/2023 02:30	7.1	255	12	10.4	0
04/01/2023 02:40	7.7	258	11	9.6	0
04/01/2023 02:50	7.2	258	10	10.1	0
04/01/2023 03:00	7.3	256	11	10.1	0
04/01/2023 03:10	6.4	256	11	8.5	0
04/01/2023 03:20	7.1	258	10	9.1	0
04/01/2023 03:30	7.1	257	9	9.3	0
04/01/2023 03:40	6.6	259	12	8.5	0
04/01/2023 03:50	7.1	257	11	9.3	0
04/01/2023 04:00	6.4	257	9	8.4	0
04/01/2023 04:10	6	257	10	8.3	0
04/01/2023 04:20	6.6	254	11	8.9	0
04/01/2023 04:30	6.6	252	11	9.6	0
04/01/2023 04:40	6.7	256	10	8.9	0
04/01/2023 04:50	6.4	254	11	9.2	0
04/01/2023 05:00	7.2	255	11	9.9	0
04/01/2023 05:10	7.2	257	11	9.1	0
04/01/2023 05:20	6.7	257	12	9.1	0
04/01/2023 05:30	7	255	11	9.1	0
04/01/2023 05:40	6.5	254	12	9.3	0
04/01/2023 05:50	6.7	255	11	9.1	0
04/01/2023 06:00	7	253	11	9.5	0
04/01/2023 06:10	6.6	250	11	8.7	0
04/01/2023 06:20	6.5	254	11	9	0
04/01/2023 06:30	5.9	253	11	8.4	0
04/01/2023 06:40	6.6	255	12	8.6	0
04/01/2023 06:50	5.8	248	14	8.4	0
04/01/2023 07:00	5.9	252	10	8.1	0
04/01/2023 07:10	6.5	251	10	9	0
04/01/2023 07:20	6.1	244	15	8.1	0
04/01/2023 07:30	6.4	244	12	9	0
04/01/2023 07:40	6.6	250	13	8.4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/01/2023 07:50	5.4	247	14	7.5	0
04/01/2023 08:00	5.3	245	13	7.3	0
04/01/2023 08:10	5.1	247	12	7	0
04/01/2023 08:20	5.2	256	12	6.7	0
04/01/2023 08:30	5.3	254	12	6.8	0
04/01/2023 08:40	5.9	254	12	7.6	0
04/01/2023 08:50	5.6	253	10	7.3	0
04/01/2023 09:00	5.7	256	12	7.2	0
04/01/2023 09:10	5.3	252	13	6.9	0
04/01/2023 09:20	5.3	264	10	6.6	0
04/01/2023 09:30	5.9	263	10	7.5	0
04/01/2023 09:40	5.9	260	12	7.5	0
04/01/2023 09:50	6.3	266	14	7.9	0
04/01/2023 10:00	6.1	269	15	7.8	0
04/01/2023 10:10	7	269	13	8.9	0
04/01/2023 10:20	6.4	273	15	8.1	0
04/01/2023 10:30	7.7	262	9	9.9	0
04/01/2023 10:40	7.7	264	10	10.2	0
04/01/2023 10:50	7.5	264	11	9.5	0
04/01/2023 11:00	8.2	264	10	10.6	0
04/01/2023 11:10	7	257	11	9.4	0
04/01/2023 11:20	7.6	260	11	10.1	0
04/01/2023 11:30	7.4	257	11	10.3	0
04/01/2023 11:40	6.9	260	13	9.3	0
04/01/2023 11:50	7.5	263	10	10.2	0
04/01/2023 12:00	7.6	264	12	9.9	0
04/01/2023 12:10	7.8	260	11	10	0
04/01/2023 12:20	7.5	257	12	9.9	0
04/01/2023 12:30	7.7	263	12	9.8	0
04/01/2023 12:40	7.3	260	13	10.3	0
04/01/2023 12:50	8.4	262	10	10.8	0
04/01/2023 13:00	8.2	262	11	11.5	0
04/01/2023 13:10	7.8	260	12	10.7	0
04/01/2023 13:20	7.6	258	12	9.6	0
04/01/2023 13:30	7.9	264	11	10.3	0
04/01/2023 13:40	8.2	263	13	11	0
04/01/2023 13:50	8	261	12	11	0
04/01/2023 14:00	8.1	262	11	10.3	0
04/01/2023 14:10	7.7	265	10	10.9	0
04/01/2023 14:20	8.7	263	11	11.1	0
04/01/2023 14:30	9.4	262	11	11.9	0
04/01/2023 14:40	8.6	261	10	11.1	0
04/01/2023 14:50	9	261	9	11.6	0
04/01/2023 15:00	8.7	261	11	11.7	0
04/01/2023 15:10	8.9	263	10	11.7	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/01/2023 15:20	8.9	262	11	12.1	0
04/01/2023 15:30	9	265	12	11.7	0
04/01/2023 15:40	9.4	266	11	12.2	0
04/01/2023 15:50	9.5	265	11	11.9	0
04/01/2023 16:00	8.6	262	10	11.3	0
04/01/2023 16:10	8.5	262	11	10.7	0
04/01/2023 16:20	8.4	265	10	11.2	0
04/01/2023 16:30	7.8	261	10	10.8	0
04/01/2023 16:40	8.4	261	11	11.5	0
04/01/2023 16:50	8.9	264	10	11.6	0
04/01/2023 17:00	9	263	10	12	0
04/01/2023 17:10	9	262	11	12	0
04/01/2023 17:20	9.1	263	10	11.9	0
04/01/2023 17:30	8.5	264	11	11.8	0
04/01/2023 17:40	8.8	264	9	12	0
04/01/2023 17:50	8.9	262	11	11.5	0
04/01/2023 18:00	9.4	262	10	12.2	0
04/01/2023 18:10	9	264	10	11.6	0
04/01/2023 18:20	8.8	262	11	11.8	0
04/01/2023 18:30	9.1	262	9	11.8	0
04/01/2023 18:40	9.2	263	9	12	0
04/01/2023 18:50	8.8	264	10	11.1	0
04/01/2023 19:00	8.9	263	10	11.1	0
04/01/2023 19:10	9.2	263	9	11.6	0
04/01/2023 19:20	9.1	263	9	11.5	0
04/01/2023 19:30	8.7	262	11	11.5	0
04/01/2023 19:40	8.4	261	10	11.4	0
04/01/2023 19:50	7.7	259	11	10.7	0
04/01/2023 20:00	8.2	256	11	10.9	0
04/01/2023 20:10	7.8	257	12	10.7	0
04/01/2023 20:20	8.8	255	11	10.9	0
04/01/2023 20:30	8.4	256	10	10.8	0
04/01/2023 20:40	6.7	259	11	9.1	0
04/01/2023 20:50	7.3	257	11	9.7	0
04/01/2023 21:00	7.8	256	11	10.5	0
04/01/2023 21:10	8.1	256	11	10.9	0
04/01/2023 21:20	8.1	259	10	10.3	0
04/01/2023 21:30	8.2	256	9	10.7	0
04/01/2023 21:40	9	257	9	11.8	0
04/01/2023 21:50	8.3	254	12	11.1	0
04/01/2023 22:00	8.4	250	10	11.3	0
04/01/2023 22:10	7.7	243	13	11.1	0
04/01/2023 22:20	7.8	249	13	11.8	0
04/01/2023 22:30	6.7	249	12	9.1	0
04/01/2023 22:40	7.5	247	12	9.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/01/2023 22:50	7.4	248	13	10.3	0
04/01/2023 23:00	5.9	251	12	8.3	0
04/01/2023 23:10	6.2	252	14	9.4	0
04/01/2023 23:20	6.7	248	13	9.4	0
04/01/2023 23:30	6.5	249	14	9	0
04/01/2023 23:40	6.4	251	12	8.8	0
04/01/2023 23:50	6.8	251	12	9.4	0
05/01/2023 00:00	6	251	11	8.7	0
05/01/2023 00:10	7	251	13	9.4	0
05/01/2023 00:20	7.6	254	11	10.7	0
05/01/2023 00:30	7.3	254	10	9.5	0
05/01/2023 00:40	6.6	255	11	9.1	0
05/01/2023 00:50	6.5	253	13	8.8	0
05/01/2023 01:00	6.4	255	12	8.6	0
05/01/2023 01:10	4.7	243	13	7	0
05/01/2023 01:20	5.6	243	11	7.6	0
05/01/2023 01:30	5.4	253	12	7.2	0
05/01/2023 01:40	6.6	254	11	8.8	0
05/01/2023 01:50	7.3	253	13	9.3	0
05/01/2023 02:00	6.2	249	12	8.2	0
05/01/2023 02:10	6.2	253	10	8.6	0
05/01/2023 02:20	6.9	252	11	9.5	0
05/01/2023 02:30	5.6	247	12	7.9	0
05/01/2023 02:40	5.3	246	12	7.2	0
05/01/2023 02:50	5.7	247	12	7.5	0
05/01/2023 03:00	5.4	242	13	7.5	0
05/01/2023 03:10	5	245	11	6.9	0
05/01/2023 03:20	5.8	251	10	8	0
05/01/2023 03:30	5.5	244	12	7.9	0
05/01/2023 03:40	5.4	248	11	7	0
05/01/2023 03:50	5.6	250	13	8	0
05/01/2023 04:00	5.8	251	13	7.7	0
05/01/2023 04:10	6.5	255	11	8.7	0
05/01/2023 04:20	6.6	258	8	8.9	0
05/01/2023 04:30	6.5	256	12	9.1	0
05/01/2023 04:40	7.2	255	9	9.2	0
05/01/2023 04:50	6	254	12	8.3	0
05/01/2023 05:00	6.1	250	13	8.3	0
05/01/2023 05:10	5.9	247	12	7.9	0
05/01/2023 05:20	5.6	250	11	8	0
05/01/2023 05:30	6.5	257	10	7.9	0
05/01/2023 05:40	5.6	255	11	7.5	0
05/01/2023 05:50	4.9	245	13	6.6	0
05/01/2023 06:00	4.7	242	15	6.4	0
05/01/2023 06:10	4.6	248	13	6.5	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/01/2023 06:20	4.9	244	12	7.2	0
05/01/2023 06:30	5.8	248	12	7.5	0
05/01/2023 06:40	6	245	12	8.4	0
05/01/2023 06:50	5.7	246	12	7.7	0
05/01/2023 07:00	6	250	10	8	0
05/01/2023 07:10	5.9	251	12	7.9	0
05/01/2023 07:20	5.7	254	11	7.2	0
05/01/2023 07:30	5.9	249	12	8.3	0
05/01/2023 07:40	5.2	248	11	7.3	0
05/01/2023 07:50	4.7	244	12	6.2	0
05/01/2023 08:00	5	248	11	6.4	0
05/01/2023 08:10	4.9	251	12	6.3	0
05/01/2023 08:20	5.4	256	12	7.2	0
05/01/2023 08:30	5.7	257	10	7.2	0
05/01/2023 08:40	5.8	253	12	7.5	0
05/01/2023 08:50	5.1	252	11	6.7	0
05/01/2023 09:00	5.2	249	14	7	0
05/01/2023 09:10	6.4	258	10	8.1	0
05/01/2023 09:20	6.6	256	10	8.3	0
05/01/2023 09:30	6.6	255	11	8.3	0
05/01/2023 09:40	6.7	259	12	9.1	0
05/01/2023 09:50	6.7	260	12	8.4	0
05/01/2023 10:00	6.8	261	13	9	0
05/01/2023 10:10	6.8	261	12	8.6	0
05/01/2023 10:20	6.7	258	12	8.8	0
05/01/2023 10:30	6.9	258	13	9.5	0
05/01/2023 10:40	7.6	264	12	10	0
05/01/2023 10:50	6.7	259	13	8.7	0
05/01/2023 11:00	7.2	259	12	9.5	0
05/01/2023 11:10	7.3	263	13	11.2	0
05/01/2023 11:20	7.7	263	13	10	0
05/01/2023 11:30	7.9	260	11	10.3	0
05/01/2023 11:40	7.3	260	11	9.9	0
05/01/2023 11:50	7.1	261	12	10.1	0
05/01/2023 12:00	7.8	258	11	10.7	0
05/01/2023 12:10	8.1	262	11	10.6	0
05/01/2023 12:20	9	263	12	11.6	0
05/01/2023 12:30	8.9	262	10	11.9	0
05/01/2023 12:40	8.8	261	10	12	0
05/01/2023 12:50	9.4	261	10	12.2	0
05/01/2023 13:00	9.4	262	10	12.7	0
05/01/2023 13:10	9.9	263	10	12.4	0
05/01/2023 13:20	10	262	12	12.3	0
05/01/2023 13:30	10	263	11	13	0
05/01/2023 13:40	10	263	10	12.9	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/01/2023 13:50	9.9	260	11	13	0
05/01/2023 14:00	9.8	263	10	12.9	0
05/01/2023 14:10	10.1	260	11	12.7	0
05/01/2023 14:20	9.4	256	12	12.8	0
05/01/2023 14:30	9.5	259	11	13.2	0
05/01/2023 14:40	9.8	263	10	12.3	0
05/01/2023 14:50	9.9	258	11	13.2	0
05/01/2023 15:00	10.1	263	11	12.8	0
05/01/2023 15:10	9.2	258	11	12.1	0
05/01/2023 15:20	9.5	263	10	13.9	0
05/01/2023 15:30	9.7	262	11	13.5	0
05/01/2023 15:40	9.2	263	12	12.6	0
05/01/2023 15:50	9.8	263	10	13.4	0
05/01/2023 16:00	9.4	261	11	12.4	0
05/01/2023 16:10	9.1	263	11	12.4	0
05/01/2023 16:20	8.1	262	13	11.2	0
05/01/2023 16:30	8.7	261	10	11.7	0
05/01/2023 16:40	8.9	263	11	12.6	0
05/01/2023 16:50	8.5	261	12	11.4	0
05/01/2023 17:00	8.7	259	11	11.6	0
05/01/2023 17:10	9.7	262	10	13.1	0
05/01/2023 17:20	9.6	259	11	12.8	0
05/01/2023 17:30	9	262	10	11.5	0
05/01/2023 17:40	8.8	263	11	11.9	0
05/01/2023 17:50	8.4	259	12	11.8	0
05/01/2023 18:00	9	260	11	11.9	0
05/01/2023 18:10	9.3	260	11	12.7	0
05/01/2023 18:20	8.9	258	11	11.9	0
05/01/2023 18:30	9.3	258	10	12.4	0
05/01/2023 18:40	8.6	260	10	12.2	0
05/01/2023 18:50	8.5	258	13	11.7	0
05/01/2023 19:00	9.1	259	12	12.3	0
05/01/2023 19:10	8.3	259	10	11.3	0
05/01/2023 19:20	8.6	256	11	11.5	0
05/01/2023 19:30	9.2	257	13	12	0
05/01/2023 19:40	9.6	255	11	12.4	0
05/01/2023 19:50	8.3	256	12	11.8	0
05/01/2023 20:00	9	255	11	12.3	0
05/01/2023 20:10	8	256	12	11.5	0
05/01/2023 20:20	7.9	256	11	10.7	0
05/01/2023 20:30	7.5	257	11	10.4	0
05/01/2023 20:40	6.9	258	12	10.5	0
05/01/2023 20:50	7.7	257	12	10.5	0
05/01/2023 21:00	8.2	257	11	11.6	0
05/01/2023 21:10	8.6	255	11	11.7	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/01/2023 21:20	7.8	255	13	11.3	0
05/01/2023 21:30	7.5	258	12	9.5	0
05/01/2023 21:40	7.8	256	12	11	0
05/01/2023 21:50	7.9	254	11	11	0
05/01/2023 22:00	8.4	254	14	11.8	0
05/01/2023 22:10	8.3	256	12	12.3	0
05/01/2023 22:20	8.8	251	12	12.6	0
05/01/2023 22:30	7.5	254	13	11.3	0
05/01/2023 22:40	7.7	254	12	11.2	0
05/01/2023 22:50	7.1	249	12	9.9	0
05/01/2023 23:00	7.7	249	11	10.6	0
05/01/2023 23:10	7.2	246	14	9.6	0
05/01/2023 23:20	7	252	12	9.7	0
05/01/2023 23:30	7.8	257	11	11.1	0
05/01/2023 23:40	7.6	252	10	10.8	0
05/01/2023 23:50	7.6	255	13	10.8	0
06/01/2023 00:00	7.3	254	11	9.8	0
06/01/2023 00:10	7	253	12	10.3	0
06/01/2023 00:20	6	251	15	8.1	0
06/01/2023 00:30	6.4	249	13	9.1	0
06/01/2023 00:40	7.1	251	12	9.8	0
06/01/2023 00:50	7.3	247	12	9.6	0
06/01/2023 01:00	6.9	252	12	9.8	0
06/01/2023 01:10	7	248	13	9.2	0
06/01/2023 01:20	6.6	247	12	9.9	0
06/01/2023 01:30	6.7	246	12	9.8	0
06/01/2023 01:40	7.1	251	11	9.5	0
06/01/2023 01:50	7.3	251	13	9.9	0
06/01/2023 02:00	7.4	250	11	10.2	0
06/01/2023 02:10	7.2	247	12	10.3	0
06/01/2023 02:20	6.3	248	14	9.1	0
06/01/2023 02:30	7.1	249	11	10.2	0
06/01/2023 02:40	7.4	253	11	10.2	0
06/01/2023 02:50	6.6	255	13	9.5	0
06/01/2023 03:00	7.3	251	13	9.9	0
06/01/2023 03:10	7.4	246	14	10.8	0
06/01/2023 03:20	7.2	246	13	9.9	0
06/01/2023 03:30	7.7	245	12	10.4	0
06/01/2023 03:40	7.6	246	12	11.1	0
06/01/2023 03:50	6.8	243	13	10.2	0
06/01/2023 04:00	6.6	245	11	9.1	0
06/01/2023 04:10	6.6	243	13	9.3	0
06/01/2023 04:20	6.2	245	11	8.8	0
06/01/2023 04:30	6.4	246	11	9.1	0
06/01/2023 04:40	6.6	254	12	8.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/01/2023 04:50	6	252	13	8.7	0
06/01/2023 05:00	6.4	255	11	8.4	0
06/01/2023 05:10	5.9	253	12	8.5	0
06/01/2023 05:20	6.4	254	10	8.4	0
06/01/2023 05:30	7.1	253	11	9.5	0
06/01/2023 05:40	6.8	250	12	8.9	0
06/01/2023 05:50	6.1	252	11	8.4	0
06/01/2023 06:00	5.6	253	12	7.6	0
06/01/2023 06:10	6.6	253	11	9.1	0
06/01/2023 06:20	6.5	248	12	8.7	0
06/01/2023 06:30	6.3	248	12	8.4	0
06/01/2023 06:40	6.2	251	12	7.9	0
06/01/2023 06:50	6.6	250	13	8.6	0
06/01/2023 07:00	6.8	250	13	9.2	0
06/01/2023 07:10	6.2	249	12	8.5	0
06/01/2023 07:20	6.5	251	13	8.4	0
06/01/2023 07:30	6.7	249	13	9	0
06/01/2023 07:40	6.7	245	12	9.3	0
06/01/2023 07:50	6.7	250	11	9.8	0
06/01/2023 08:00	6.5	256	12	9.1	0
06/01/2023 08:10	6.8	255	12	8.9	0
06/01/2023 08:20	6.7	251	11	9.1	0
06/01/2023 08:30	7	252	12	8.8	0
06/01/2023 08:40	6.3	253	14	8.4	0
06/01/2023 08:50	6.4	259	12	8.1	0
06/01/2023 09:00	6.8	251	11	9.4	0
06/01/2023 09:10	6.8	256	12	8.5	0
06/01/2023 09:20	6.8	255	11	9.6	0
06/01/2023 09:30	6.3	258	9	8	0
06/01/2023 09:40	6.5	259	11	8.5	0
06/01/2023 09:50	6.7	261	11	8.9	0
06/01/2023 10:00	7	259	11	9.3	0
06/01/2023 10:10	7	264	13	9.3	0
06/01/2023 10:20	7	264	10	9.5	0
06/01/2023 10:30	7.4	265	11	9.9	0
06/01/2023 10:40	7.9	263	12	11	0
06/01/2023 10:50	7.5	264	12	10.1	0
06/01/2023 11:00	8.1	264	12	10.7	0
06/01/2023 11:10	8.4	267	11	11	0
06/01/2023 11:20	8.4	264	12	10.8	0
06/01/2023 11:30	8	264	13	11.2	0
06/01/2023 11:40	8.4	265	12	11.4	0
06/01/2023 11:50	8.6	266	10	12	0
06/01/2023 12:00	8.3	267	13	11.5	0
06/01/2023 12:10	9	268	11	11.9	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/01/2023 12:20	8.7	265	13	11.7	0
06/01/2023 12:30	8.7	264	10	12.1	0
06/01/2023 12:40	8.8	263	11	11.9	0
06/01/2023 12:50	8.5	264	12	12.1	0
06/01/2023 13:00	8.5	264	12	11.5	0
06/01/2023 13:10	8.9	265	12	11.9	0
06/01/2023 13:20	8.3	265	14	11.4	0
06/01/2023 13:30	8.4	267	13	11.3	0
06/01/2023 13:40	8.2	270	13	10.8	0
06/01/2023 13:50	8.3	266	13	11.1	0
06/01/2023 14:00	9	269	14	12.9	0
06/01/2023 14:10	9.7	265	13	12.7	0
06/01/2023 14:20	9.4	263	11	12	0
06/01/2023 14:30	9.4	266	12	12.4	0
06/01/2023 14:40	10.3	264	11	14.3	0
06/01/2023 14:50	9.5	266	12	12.3	0
06/01/2023 15:00	10.4	266	13	13.4	0
06/01/2023 15:10	10.3	266	12	14.7	0
06/01/2023 15:20	10.4	263	12	14.3	0
06/01/2023 15:30	9.7	267	11	12.9	0
06/01/2023 15:40	9.4	265	13	13.6	0
06/01/2023 15:50	9.9	264	11	12.7	0
06/01/2023 16:00	10	265	11	13.5	0
06/01/2023 16:10	10	264	11	13.3	0
06/01/2023 16:20	9.6	264	12	12.4	0
06/01/2023 16:30	9.2	263	11	11.5	0
06/01/2023 16:40	9.1	264	10	12.3	0
06/01/2023 16:50	9.3	265	11	12.1	0
06/01/2023 17:00	8.6	261	12	12.1	0
06/01/2023 17:10	8.6	260	11	12.3	0
06/01/2023 17:20	9.5	262	11	12.4	0
06/01/2023 17:30	9.3	263	11	12.3	0
06/01/2023 17:40	9	260	10	12.5	0
06/01/2023 17:50	10	262	10	13	0
06/01/2023 18:00	8.4	262	11	11.7	0
06/01/2023 18:10	8.8	258	11	12.7	0
06/01/2023 18:20	9.1	263	12	12.1	0
06/01/2023 18:30	9.6	261	11	13.4	0
06/01/2023 18:40	9.9	263	12	12.5	0
06/01/2023 18:50	8.7	262	11	12.6	0
06/01/2023 19:00	9.3	260	11	13.5	0
06/01/2023 19:10	9.4	262	10	12.7	0
06/01/2023 19:20	8.9	264	10	12.4	0
06/01/2023 19:30	9.1	264	10	13.1	0
06/01/2023 19:40	9.5	262	10	12.6	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/01/2023 19:50	9	262	11	11.9	0
06/01/2023 20:00	9.1	263	10	12.4	0
06/01/2023 20:10	9.2	264	11	12.1	0
06/01/2023 20:20	9.1	261	11	11.5	0
06/01/2023 20:30	9	265	11	11.4	0
06/01/2023 20:40	8.9	261	10	11.7	0
06/01/2023 20:50	9.5	262	10	12.4	0
06/01/2023 21:00	8.8	261	10	12.6	0
06/01/2023 21:10	9.4	261	11	13.2	0
06/01/2023 21:20	9.1	257	12	12.3	0
06/01/2023 21:30	8.8	259	11	12.3	0
06/01/2023 21:40	8.9	257	11	12.3	0
06/01/2023 21:50	8.8	255	11	12.6	0
06/01/2023 22:00	8.7	258	11	11.8	0
06/01/2023 22:10	8.7	254	12	12.2	0
06/01/2023 22:20	8.8	256	12	12	0
06/01/2023 22:30	9.6	254	11	12.4	0
06/01/2023 22:40	9	257	12	11.8	0
06/01/2023 22:50	8.5	258	11	12.7	0
06/01/2023 23:00	8.9	257	11	11.9	0
06/01/2023 23:10	8.4	257	12	11.2	0
06/01/2023 23:20	9.1	257	12	11.9	0
06/01/2023 23:30	8.7	258	11	11.7	0
06/01/2023 23:40	9	255	12	12.3	0
06/01/2023 23:50	8.7	258	11	11.5	0
07/01/2023 00:00	9.2	254	11	11.8	0
07/01/2023 00:10	8.3	254	12	11	0
07/01/2023 00:20	8.5	256	13	12.5	0
07/01/2023 00:30	8.6	258	11	12.2	0
07/01/2023 00:40	8.6	257	12	12	0
07/01/2023 00:50	9	254	11	11.8	0
07/01/2023 01:00	9.1	255	11	12.2	0
07/01/2023 01:10	8.2	256	11	11	0
07/01/2023 01:20	8.3	253	11	11.2	0
07/01/2023 01:30	8.3	256	11	11.4	0
07/01/2023 01:40	8.8	253	10	11.8	0
07/01/2023 01:50	7.6	255	13	10.9	0
07/01/2023 02:00	8.4	255	12	11.3	0
07/01/2023 02:10	7.8	253	13	10.6	0
07/01/2023 02:20	8.3	254	12	11.9	0
07/01/2023 02:30	7.5	246	12	10.8	0
07/01/2023 02:40	6.9	251	15	9.9	0
07/01/2023 02:50	7.6	251	11	10.1	0
07/01/2023 03:00	7.7	255	11	10.4	0
07/01/2023 03:10	7.5	252	12	11.4	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/01/2023 03:20	8.4	256	11	11.7	0
07/01/2023 03:30	7.7	253	11	10.7	0
07/01/2023 03:40	7.9	253	14	11.1	0
07/01/2023 03:50	7.4	255	13	9.9	0
07/01/2023 04:00	8	256	10	11.6	0
07/01/2023 04:10	7.4	260	13	10.2	0
07/01/2023 04:20	7.3	254	13	10.3	0
07/01/2023 04:30	7.6	256	11	9.9	0
07/01/2023 04:40	8.2	256	11	10.8	0
07/01/2023 04:50	7.9	255	10	10.2	0
07/01/2023 05:00	7.9	258	11	11.2	0
07/01/2023 05:10	8.8	254	11	11.5	0
07/01/2023 05:20	8.5	258	11	11.1	0
07/01/2023 05:30	7.8	256	10	11	0
07/01/2023 05:40	8.3	255	11	10.8	0
07/01/2023 05:50	7.4	257	10	10.9	0
07/01/2023 06:00	6.6	253	14	9.8	0
07/01/2023 06:10	7.2	252	13	10.4	0
07/01/2023 06:20	7.6	254	11	11.2	0
07/01/2023 06:30	7.3	252	11	10.7	0
07/01/2023 06:40	7.6	251	13	11.5	0
07/01/2023 06:50	7.6	255	13	10.3	0
07/01/2023 07:00	8.1	254	10	11.4	0
07/01/2023 07:10	7.6	251	13	9.9	0
07/01/2023 07:20	8.6	252	11	11.2	0
07/01/2023 07:30	8.4	255	11	10.9	0
07/01/2023 07:40	7.8	254	11	10.6	0
07/01/2023 07:50	7.9	254	11	10.7	0
07/01/2023 08:00	7.3	253	12	10.3	0
07/01/2023 08:10	8	256	10	10.3	0
07/01/2023 08:20	8.1	257	12	10.5	0
07/01/2023 08:30	8.1	256	12	10	0
07/01/2023 08:40	7.9	259	13	10.3	0
07/01/2023 08:50	8	257	11	10.3	0
07/01/2023 09:00	8	255	11	10.3	0
07/01/2023 09:10	7.9	261	12	10.1	0
07/01/2023 09:20	7.5	254	12	10.9	0
07/01/2023 09:30	7.8	259	11	10.9	0
07/01/2023 09:40	8.2	266	10	10.8	0
07/01/2023 09:50	8.2	260	11	10.8	0
07/01/2023 10:00	8	264	12	10.6	0
07/01/2023 10:10	8	259	15	10.3	0
07/01/2023 10:20	8.2	259	12	10.7	0
07/01/2023 10:30	8.3	260	11	11.1	0
07/01/2023 10:40	8.9	261	10	12	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/01/2023 10:50	8.1	259	12	10.9	0
07/01/2023 11:00	8.4	262	10	11.3	0
07/01/2023 11:10	7.9	262	12	10.3	0
07/01/2023 11:20	8.9	263	10	11.6	0
07/01/2023 11:30	8.4	265	10	11.2	0
07/01/2023 11:40	8.1	263	11	10.4	0
07/01/2023 11:50	8.9	265	11	11.5	0
07/01/2023 12:00	8.7	262	10	11.8	0
07/01/2023 12:10	8.1	265	12	11.7	0
07/01/2023 12:20	8.6	265	14	11.7	0
07/01/2023 12:30	8.6	264	13	11.4	0
07/01/2023 12:40	8.6	263	10	10.9	0
07/01/2023 12:50	8.6	265	11	11.2	0
07/01/2023 13:00	8.5	268	13	11.5	0
07/01/2023 13:10	8.7	263	13	11.7	0
07/01/2023 13:20	9	263	11	10.8	0
07/01/2023 13:30	8.9	262	11	11.4	0
07/01/2023 13:40	8.8	263	11	11.4	0
07/01/2023 13:50	9.2	262	11	12.3	0
07/01/2023 14:00	9.3	263	10	11.3	0
07/01/2023 14:10	8.8	265	11	11.7	0
07/01/2023 14:20	8.7	264	11	11.4	0
07/01/2023 14:30	8.9	259	11	11.3	0
07/01/2023 14:40	8.7	263	10	11.1	0
07/01/2023 14:50	9	263	11	11.8	0
07/01/2023 15:00	9.1	260	11	12.7	0
07/01/2023 15:10	9.6	262	10	12	0
07/01/2023 15:20	9.8	262	12	12.6	0
07/01/2023 15:30	9.6	263	11	12.5	0
07/01/2023 15:40	9.6	264	11	12.8	0
07/01/2023 15:50	9	262	11	12.1	0
07/01/2023 16:00	9.2	264	10	12	0
07/01/2023 16:10	9.1	263	12	11.7	0
07/01/2023 16:20	7.7	263	12	10.5	0
07/01/2023 16:30	8	257	12	11.3	0
07/01/2023 16:40	8.8	259	10	12.1	0
07/01/2023 16:50	9	265	11	12	0
07/01/2023 17:00	8.5	261	11	11.1	0
07/01/2023 17:10	8.3	264	10	10.8	0
07/01/2023 17:20	8.3	263	11	10.9	0
07/01/2023 17:30	8.1	264	11	11.1	0
07/01/2023 17:40	7.8	258	13	10.6	0
07/01/2023 17:50	7.8	263	11	10.3	0
07/01/2023 18:00	6.9	257	11	9.2	0
07/01/2023 18:10	7.1	260	12	9.6	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/01/2023 18:20	7.3	259	11	9.9	0
07/01/2023 18:30	7.2	261	12	9.5	0
07/01/2023 18:40	7.5	259	11	10.7	0
07/01/2023 18:50	7.1	260	12	9.4	0
07/01/2023 19:00	7.4	262	9	9.8	0
07/01/2023 19:10	7.5	262	10	9.5	0
07/01/2023 19:20	7.3	257	13	9.1	0
07/01/2023 19:30	7.6	255	12	9.9	0
07/01/2023 19:40	7.1	258	12	9.6	0
07/01/2023 19:50	6.2	260	11	8.5	0
07/01/2023 20:00	5.9	260	9	8.8	0
07/01/2023 20:10	6.5	267	11	8.9	0
07/01/2023 20:20	6.8	263	10	8.9	0
07/01/2023 20:30	6.3	263	11	8.7	0
07/01/2023 20:40	6.4	259	12	8.5	0
07/01/2023 20:50	6.4	261	10	8.3	0
07/01/2023 21:00	6.3	254	9	8.7	0
07/01/2023 21:10	6.4	259	12	8.3	0
07/01/2023 21:20	6.1	256	12	8.3	0
07/01/2023 21:30	6.4	262	10	8.6	0
07/01/2023 21:40	6.5	258	10	9.1	0
07/01/2023 21:50	6.4	259	9	8.8	0
07/01/2023 22:00	6.9	260	11	9.5	0
07/01/2023 22:10	6.3	258	11	8.4	0
07/01/2023 22:20	6.3	259	11	8.7	0
07/01/2023 22:30	6	258	12	7.9	0
07/01/2023 22:40	5.5	260	12	7.7	0
07/01/2023 22:50	5.2	264	10	7.3	0
07/01/2023 23:00	6.2	264	12	8.6	0
07/01/2023 23:10	6.6	259	8	9	0
07/01/2023 23:20	6.4	263	10	8.5	0
07/01/2023 23:30	6.6	262	10	8.8	0
07/01/2023 23:40	6.9	264	11	9	0
07/01/2023 23:50	7.4	263	10	9.8	0
08/01/2023 00:00	7.1	264	9	9.8	0
08/01/2023 00:10	6.3	265	11	8.3	0
08/01/2023 00:20	6.3	264	10	8.8	0
08/01/2023 00:30	6.3	261	11	8.2	0
08/01/2023 00:40	6.5	265	12	9.4	0
08/01/2023 00:50	6.4	266	11	9.5	0
08/01/2023 01:00	6.5	263	11	8.3	0
08/01/2023 01:10	6.5	263	11	8.4	0
08/01/2023 01:20	6.9	260	10	9.5	0
08/01/2023 01:30	6.7	263	10	9.8	0
08/01/2023 01:40	6.9	264	10	8.7	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/01/2023 01:50	7.2	264	10	9.4	0
08/01/2023 02:00	7.2	263	10	9.1	0
08/01/2023 02:10	7.3	263	10	9.9	0
08/01/2023 02:20	6.9	261	10	9	0
08/01/2023 02:30	7.7	263	9	9.3	0
08/01/2023 02:40	7.6	262	10	9.8	0
08/01/2023 02:50	8.1	263	10	10.6	0
08/01/2023 03:00	7.6	263	10	9.7	0
08/01/2023 03:10	7.9	266	10	10	0
08/01/2023 03:20	7.4	263	10	10.1	0
08/01/2023 03:30	7.7	264	10	9.5	0
08/01/2023 03:40	7.4	262	10	9.8	0
08/01/2023 03:50	7.9	264	10	10.2	0
08/01/2023 04:00	7.5	263	9	9.5	0
08/01/2023 04:10	7.3	261	10	9.9	0
08/01/2023 04:20	7.1	260	10	9.3	0
08/01/2023 04:30	7.2	261	10	9.8	0
08/01/2023 04:40	6.7	258	10	9.3	0
08/01/2023 04:50	6.7	259	10	8.8	0
08/01/2023 05:00	6.7	258	11	9.1	0
08/01/2023 05:10	6.3	257	10	8.5	0
08/01/2023 05:20	6.5	255	11	8.3	0
08/01/2023 05:30	7	255	10	9	0
08/01/2023 05:40	6.7	254	10	9.3	0
08/01/2023 05:50	6.6	259	11	8.7	0
08/01/2023 06:00	6.7	255	10	9.1	0
08/01/2023 06:10	6.2	256	10	8.3	0
08/01/2023 06:20	6.9	255	11	8.9	0
08/01/2023 06:30	6.8	255	10	8.8	0
08/01/2023 06:40	7	256	10	9.6	0
08/01/2023 06:50	6.8	257	10	9.1	0
08/01/2023 07:00	6.5	257	12	8.6	0
08/01/2023 07:10	6.2	256	11	8.1	0
08/01/2023 07:20	6.1	258	10	8	0
08/01/2023 07:30	5.8	252	9	7.9	0
08/01/2023 07:40	5.9	255	10	8.2	0
08/01/2023 07:50	6.1	263	12	8	0
08/01/2023 08:00	6.5	261	11	8.7	0
08/01/2023 08:10	6.5	263	11	8.3	0
08/01/2023 08:20	7.1	265	10	9.1	0
08/01/2023 08:30	7.3	261	10	9.1	0
08/01/2023 08:40	6.7	261	11	8.8	0
08/01/2023 08:50	6.4	264	11	8.3	0
08/01/2023 09:00	6.8	258	11	9.1	0
08/01/2023 09:10	7.1	260	11	9.1	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/01/2023 09:20	6.8	263	11	9.1	0
08/01/2023 09:30	6.9	265	12	9.2	0
08/01/2023 09:40	6.6	267	12	9	0
08/01/2023 09:50	7.2	263	11	9.4	0
08/01/2023 10:00	7.9	263	11	10.2	0
08/01/2023 10:10	7	256	13	9.3	0
08/01/2023 10:20	8	264	11	10	0
08/01/2023 10:30	7.4	267	14	9.3	0
08/01/2023 10:40	7.7	266	12	9.8	0
08/01/2023 10:50	7.2	264	13	9.8	0
08/01/2023 11:00	6.1	275	14	8.3	0
08/01/2023 11:10	6.7	267	13	8.7	0
08/01/2023 11:20	7	261	9	9.5	0
08/01/2023 11:30	6.4	265	13	8.3	0
08/01/2023 11:40	6.1	284	18	9.1	0
08/01/2023 11:50	6.6	294	12	9.2	0
08/01/2023 12:00	6.5	297	10	8.7	0
08/01/2023 12:10	5.9	289	16	8.2	0
08/01/2023 12:20	5.9	269	17	8.6	0
08/01/2023 12:30	5.9	278	17	8.4	0
08/01/2023 12:40	6.1	267	15	8.5	0
08/01/2023 12:50	5.6	281	18	8.4	0
08/01/2023 13:00	7.7	299	10	10.3	0
08/01/2023 13:10	7.4	299	15	10.5	0
08/01/2023 13:20	7.5	296	13	11.1	0
08/01/2023 13:30	8.2	292	13	10.8	0
08/01/2023 13:40	8.2	291	15	10.8	0
08/01/2023 13:50	7	285	17	9.5	0
08/01/2023 14:00	7.2	277	18	9.7	0
08/01/2023 14:10	7.8	290	13	10.3	0
08/01/2023 14:20	7.8	295	12	11	0
08/01/2023 14:30	6.8	287	15	9.5	0
08/01/2023 14:40	7.2	277	16	10	0
08/01/2023 14:50	7.2	277	17	9.8	0
08/01/2023 15:00	7.8	291	15	11.1	0
08/01/2023 15:10	8.5	297	11	10.7	0
08/01/2023 15:20	8.5	297	11	11.3	0
08/01/2023 15:30	7.5	295	14	9.9	0
08/01/2023 15:40	8.1	295	13	11.4	0
08/01/2023 15:50	8.3	293	12	11.1	0
08/01/2023 16:00	8	294	13	10.9	0
08/01/2023 16:10	7.5	290	13	11.5	0
08/01/2023 16:20	7.5	275	14	9.9	0
08/01/2023 16:30	7.3	274	14	10.4	0
08/01/2023 16:40	7.6	270	12	10.4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/01/2023 16:50	9.1	262	9	11.8	0
08/01/2023 17:00	8.4	264	12	10.9	0
08/01/2023 17:10	8.7	265	12	11	0
08/01/2023 17:20	8.4	267	12	11.2	0
08/01/2023 17:30	8.4	266	10	10.9	0
08/01/2023 17:40	8.4	263	10	10.9	0
08/01/2023 17:50	8.9	264	11	11.5	0
08/01/2023 18:00	9.2	265	11	11.9	0
08/01/2023 18:10	8.1	269	11	11.1	0
08/01/2023 18:20	7.7	267	12	10.7	0
08/01/2023 18:30	6.9	267	14	9.4	0
08/01/2023 18:40	7.2	267	12	9.4	0
08/01/2023 18:50	6.3	266	12	8.5	0
08/01/2023 19:00	7.2	263	12	9.8	0
08/01/2023 19:10	7.5	263	10	9.8	0
08/01/2023 19:20	6.4	268	13	8.7	0
08/01/2023 19:30	6.4	264	10	8.5	0
08/01/2023 19:40	6.9	264	11	8.7	0
08/01/2023 19:50	6.4	266	11	8.5	0
08/01/2023 20:00	6.3	267	13	8.9	0
08/01/2023 20:10	7.1	261	9	9.3	0
08/01/2023 20:20	7.2	262	10	9.7	0
08/01/2023 20:30	6.8	260	11	9.1	0
08/01/2023 20:40	7	263	12	9.9	0
08/01/2023 20:50	6.2	261	11	8.7	0
08/01/2023 21:00	7.4	263	11	10.5	0
08/01/2023 21:10	7.4	257	12	9.8	0
08/01/2023 21:20	6.7	259	10	9.1	0
08/01/2023 21:30	6.5	263	11	8.5	0
08/01/2023 21:40	5.7	259	10	8.4	0
08/01/2023 21:50	6.8	264	11	9.5	0
08/01/2023 22:00	7.2	263	10	9.9	0
08/01/2023 22:10	6.8	263	11	9.1	0
08/01/2023 22:20	6.9	265	12	8.8	0
08/01/2023 22:30	6.6	264	10	9	0
08/01/2023 22:40	6.6	263	11	9.5	0
08/01/2023 22:50	6.3	265	11	8.6	0
08/01/2023 23:00	5.8	265	10	8.1	0
08/01/2023 23:10	5.8	265	12	7.9	0
08/01/2023 23:20	6.1	265	11	8.7	0
08/01/2023 23:30	6.4	264	10	8.6	0
08/01/2023 23:40	5.9	263	10	7.7	0
08/01/2023 23:50	5.8	263	10	7.7	0
09/01/2023 00:00	5.6	263	9	7.8	0
09/01/2023 00:10	5.3	268	11	7.9	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/01/2023 00:20	5.3	264	11	7	0
09/01/2023 00:30	5.6	262	10	7.7	0
09/01/2023 00:40	5.7	263	10	7.4	0
09/01/2023 00:50	5.8	260	9	7.4	0
09/01/2023 01:00	5.3	260	11	7.2	0
09/01/2023 01:10	5.3	260	12	7.5	0
09/01/2023 01:20	5.6	259	11	7.7	0
09/01/2023 01:30	5.4	260	9	7.5	0
09/01/2023 01:40	5.6	259	11	7.7	0
09/01/2023 01:50	5	261	10	6.1	0
09/01/2023 02:00	6	259	11	8.4	0
09/01/2023 02:10	5.2	262	11	7	0
09/01/2023 02:20	5.8	263	9	7.8	0
09/01/2023 02:30	5.8	264	8	7.5	0
09/01/2023 02:40	5.5	264	10	7.2	0
09/01/2023 02:50	5.4	262	10	7.2	0
09/01/2023 03:00	5.1	263	10	6.8	0
09/01/2023 03:10	5.1	263	10	6.4	0
09/01/2023 03:20	5.2	264	9	6.7	0
09/01/2023 03:30	5.3	264	9	7	0
09/01/2023 03:40	4.4	264	8	5.7	0
09/01/2023 03:50	4.4	264	10	5.6	0
09/01/2023 04:00	4.4	262	9	6	0
09/01/2023 04:10	4.4	258	11	6.1	0
09/01/2023 04:20	3.4	255	12	4.6	0
09/01/2023 04:30	3.4	252	9	4.6	0
09/01/2023 04:40	3.2	249	12	4.4	0
09/01/2023 04:50	2.6	252	10	3.6	0
09/01/2023 05:00	2.9	247	13	4	0
09/01/2023 05:10	3.6	247	14	5.3	0
09/01/2023 05:20	2.9	232	14	4.1	0
09/01/2023 05:30	1.2	145	59	2	0
09/01/2023 05:40	1.6	225	29	2.7	0
09/01/2023 05:50	2.2	231	12	3.5	0
09/01/2023 06:00	2.2	228	15	3.6	0
09/01/2023 06:10	1.1	163	53	1.8	0
09/01/2023 06:20	1.1	142	21	2.2	0
09/01/2023 06:30	0.8	230	21	1.6	0
09/01/2023 06:40	0.9	195	53	1.6	0
09/01/2023 06:50	1.7	151	40	2.8	0
09/01/2023 07:00	2.7	125	17	4	0
09/01/2023 07:10	2.4	126	16	3.4	0
09/01/2023 07:20	3.1	122	18	4.8	0
09/01/2023 07:30	2.7	115	17	4.4	0
09/01/2023 07:40	3.4	114	18	5.5	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/01/2023 07:50	3.3	122	16	4.8	0
09/01/2023 08:00	3.1	117	17	4.9	0
09/01/2023 08:10	3.1	122	18	4.7	0
09/01/2023 08:20	3.4	99	16	4.8	0
09/01/2023 08:30	3.9	101	15	5.4	0
09/01/2023 08:40	3.8	105	16	5.2	0
09/01/2023 08:50	4.4	105	16	5.9	0
09/01/2023 09:00	4.9	98	13	6.3	0
09/01/2023 09:10	5	96	13	6.6	0
09/01/2023 09:20	4.9	95	14	6.8	0
09/01/2023 09:30	4	92	17	5.6	0
09/01/2023 09:40	4.2	93	16	5.6	0
09/01/2023 09:50	4.4	92	14	6.5	0
09/01/2023 10:00	5	86	13	7	0
09/01/2023 10:10	5.5	81	11	7.3	0
09/01/2023 10:20	5	83	12	7.3	0
09/01/2023 10:30	4.4	78	15	6.1	0
09/01/2023 10:40	4.7	73	16	6.3	0
09/01/2023 10:50	5.2	73	10	6.7	0
09/01/2023 11:00	4.9	74	13	6.9	0
09/01/2023 11:10	5.1	78	12	6.7	0
09/01/2023 11:20	5.3	80	14	7.1	0
09/01/2023 11:30	5.2	81	12	6.8	0
09/01/2023 11:40	5.3	72	16	6.8	0
09/01/2023 11:50	5.3	73	10	7.2	0
09/01/2023 12:00	5.4	74	14	7	0
09/01/2023 12:10	5	86	16	7.1	0
09/01/2023 12:20	5.3	81	13	7.5	0
09/01/2023 12:30	4.8	77	14	7.4	0
09/01/2023 12:40	5.9	75	13	8.4	0
09/01/2023 12:50	6	74	15	8.4	0
09/01/2023 13:00	6.1	71	15	8.1	0
09/01/2023 13:10	6.7	70	12	8.9	0
09/01/2023 13:20	6.3	74	12	8.7	0
09/01/2023 13:30	6.1	57	14	8.6	0
09/01/2023 13:40	6.2	61	14	8.3	0
09/01/2023 13:50	5.8	60	12	7.7	0
09/01/2023 14:00	5.7	69	12	8.3	0
09/01/2023 14:10	5.8	65	12	7.9	0
09/01/2023 14:20	5.7	70	12	7.6	0
09/01/2023 14:30	4.6	59	20	6.8	0
09/01/2023 14:40	4.9	46	22	7.2	0
09/01/2023 14:50	4.4	39	19	6.8	0
09/01/2023 15:00	4	35	21	6	0
09/01/2023 15:10	3.5	181	28	5.2	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/01/2023 15:20	3.7	339	19	5.3	0
09/01/2023 15:30	4.1	342	16	5.6	0
09/01/2023 15:40	3.7	180	18	5.7	0
09/01/2023 15:50	3.8	4	25	5.5	0
09/01/2023 16:00	3.9	355	22	5.6	0
09/01/2023 16:10	4.6	347	20	6.8	0
09/01/2023 16:20	3.9	356	20	6	0
09/01/2023 16:30	3.9	351	22	5.5	0
09/01/2023 16:40	4.2	340	18	6.4	0
09/01/2023 16:50	4.1	347	19	5.9	0
09/01/2023 17:00	3.4	182	20	5.2	0
09/01/2023 17:10	3.7	350	27	6	0
09/01/2023 17:20	3.6	308	24	5.6	0
09/01/2023 17:30	3.7	296	18	5.2	0
09/01/2023 17:40	3.2	288	20	4.4	0
09/01/2023 17:50	2.9	288	21	4.4	0
09/01/2023 18:00	3.2	278	17	4.4	0
09/01/2023 18:10	3.7	288	19	5.3	0
09/01/2023 18:20	3.5	299	16	4.8	0
09/01/2023 18:30	3.3	296	13	4.5	0
09/01/2023 18:40	3	299	13	4.3	0
09/01/2023 18:50	2.9	307	16	4.8	0
09/01/2023 19:00	3.4	302	14	4.5	0
09/01/2023 19:10	3.2	296	15	4.3	0
09/01/2023 19:20	3	293	15	4.2	0
09/01/2023 19:30	2.6	278	15	3.5	0
09/01/2023 19:40	3.6	264	11	5.2	0
09/01/2023 19:50	3.9	258	11	5.1	0
09/01/2023 20:00	3.6	246	13	4.7	0
09/01/2023 20:10	2.9	244	16	4	0
09/01/2023 20:20	3.1	249	14	4	0
09/01/2023 20:30	2.9	257	14	4.2	0
09/01/2023 20:40	3	252	12	4.1	0
09/01/2023 20:50	2.8	243	14	4	0
09/01/2023 21:00	2.7	243	15	3.6	0
09/01/2023 21:10	2	236	15	2.8	0
09/01/2023 21:20	1.7	237	13	2.5	0
09/01/2023 21:30	0.9	198	46	1.4	0
09/01/2023 21:40	0.6	225	15	1.2	0
09/01/2023 21:50	0.3	226	23	0.8	0
09/01/2023 22:00	0.6	258	10	1.1	0
09/01/2023 22:10	0.3	277	10	1.2	0
09/01/2023 22:20	0.9	200	25	1.7	0
09/01/2023 22:30	1.4	244	18	2.2	0
09/01/2023 22:40	0.8	192	28	1.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/01/2023 22:50	0.6	159	29	0.9	0
09/01/2023 23:00	0.4	129	19	1.1	0
09/01/2023 23:10	0.6	103	19	1.2	0
09/01/2023 23:20	0.3	26	22	1.1	0
09/01/2023 23:30	0.2	152	23	0.8	0
09/01/2023 23:40	1	245	24	1.6	0
09/01/2023 23:50	0.4	232	12	0.9	0
10/01/2023 00:00	1.1	255	16	1.6	0
10/01/2023 00:10	1.3	240	25	1.8	0
10/01/2023 00:20	2	261	12	2.5	0
10/01/2023 00:30	2.6	260	10	3.6	0
10/01/2023 00:40	2.2	253	13	3.4	0
10/01/2023 00:50	2.6	259	9	3.4	0
10/01/2023 01:00	2.6	257	10	3.2	0
10/01/2023 01:10	2.6	266	14	3.3	0
10/01/2023 01:20	2.6	266	14	3.5	0
10/01/2023 01:30	2.4	266	14	3.3	0
10/01/2023 01:40	2.6	261	11	3.6	0
10/01/2023 01:50	2.8	265	9	4.2	0
10/01/2023 02:00	2.7	265	13	3.8	0
10/01/2023 02:10	3	262	9	3.6	0
10/01/2023 02:20	2.4	252	13	3.2	0
10/01/2023 02:30	2.4	244	11	3.2	0
10/01/2023 02:40	1.9	243	16	2.8	0
10/01/2023 02:50	1.8	251	11	2.4	0
10/01/2023 03:00	2	266	12	2.8	0
10/01/2023 03:10	2.7	269	13	3.7	0
10/01/2023 03:20	3	260	10	3.6	0
10/01/2023 03:30	2.8	263	10	3.8	0
10/01/2023 03:40	2.3	263	12	3.2	0
10/01/2023 03:50	2.5	261	10	3.3	0
10/01/2023 04:00	2.6	260	13	3.5	0
10/01/2023 04:10	2.7	269	14	3.6	0
10/01/2023 04:20	2.7	264	11	3.5	0
10/01/2023 04:30	3.2	267	11	4.3	0
10/01/2023 04:40	3	265	11	3.7	0
10/01/2023 04:50	2.8	265	12	3.5	0
10/01/2023 05:00	2.8	269	13	3.8	0
10/01/2023 05:10	2.8	267	14	3.8	0
10/01/2023 05:20	2.8	284	11	3.9	0
10/01/2023 05:30	2.3	275	17	3.2	0
10/01/2023 05:40	2.7	272	14	3.7	0
10/01/2023 05:50	2.7	273	14	3.8	0
10/01/2023 06:00	2.6	277	15	3.7	0
10/01/2023 06:10	2.7	269	15	3.5	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/01/2023 06:20	2.9	269	13	3.9	0
10/01/2023 06:30	3.2	270	12	4.2	0
10/01/2023 06:40	3.3	271	14	4.7	0
10/01/2023 06:50	3.5	264	11	4.8	0
10/01/2023 07:00	3.5	263	12	5.1	0
10/01/2023 07:10	4	268	13	5.1	0
10/01/2023 07:20	3.5	286	19	4.8	0
10/01/2023 07:30	3.6	276	14	4.8	0
10/01/2023 07:40	3.4	278	20	4.7	0
10/01/2023 07:50	3.7	270	18	5.3	0
10/01/2023 08:00	3.4	278	20	4.7	0
10/01/2023 08:10	3.5	276	21	4.8	0
10/01/2023 08:20	3.4	252	18	4.8	0
10/01/2023 08:30	3.2	263	14	4.5	0
10/01/2023 08:40	3.1	248	17	4.6	0
10/01/2023 08:50	3.3	273	22	4.9	0
10/01/2023 09:00	3.3	252	19	5	0
10/01/2023 09:10	3.2	251	22	5.1	0
10/01/2023 09:20	3.4	256	21	4.9	0
10/01/2023 09:30	3.5	279	23	5.2	0
10/01/2023 09:40	3.1	273	23	5.1	0
10/01/2023 09:50	3.9	256	16	5.6	0
10/01/2023 10:00	3.4	283	26	5.6	0
10/01/2023 10:10	3.7	262	21	5.6	0
10/01/2023 10:20	3.4	287	21	5.4	0
10/01/2023 10:30	3.5	289	19	5.4	0
10/01/2023 10:40	3.5	280	22	5.5	0
10/01/2023 10:50	3.6	285	23	5.8	0
10/01/2023 11:00	3.9	285	23	5.7	0
10/01/2023 11:10	4.1	311	17	6.1	0
10/01/2023 11:20	4.4	312	13	6.6	0
10/01/2023 11:30	4.1	309	16	5.9	0
10/01/2023 11:40	4.2	288	21	5.8	0
10/01/2023 11:50	3.8	294	16	5.5	0
10/01/2023 12:00	4.3	292	11	5.7	0
10/01/2023 12:10	3.8	295	16	5.4	0
10/01/2023 12:20	4.1	287	21	6	0
10/01/2023 12:30	4.1	293	19	6.4	0
10/01/2023 12:40	4.2	293	17	5.8	0
10/01/2023 12:50	4.3	282	21	6.4	0
10/01/2023 13:00	4.4	290	16	6.4	0
10/01/2023 13:10	4.6	295	18	6.2	0
10/01/2023 13:20	4.4	308	16	6.6	0
10/01/2023 13:30	4.8	303	13	6.4	0
10/01/2023 13:40	4.7	304	15	6.6	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/01/2023 13:50	5.1	304	15	6.6	0
10/01/2023 14:00	5.3	301	14	7.2	0
10/01/2023 14:10	5.2	301	14	7	0
10/01/2023 14:20	5.1	313	14	6.6	0
10/01/2023 14:30	4.9	307	16	6.6	0
10/01/2023 14:40	4.6	310	16	6.4	0
10/01/2023 14:50	4.7	313	17	6.9	0
10/01/2023 15:00	4.5	309	15	6.6	0
10/01/2023 15:10	4.8	297	15	6.3	0
10/01/2023 15:20	4.7	295	13	6.8	0
10/01/2023 15:30	5	296	11	7.4	0
10/01/2023 15:40	4.9	299	16	6.7	0
10/01/2023 15:50	5.5	294	14	7.5	0
10/01/2023 16:00	5.8	298	12	7.5	0
10/01/2023 16:10	5.9	296	13	7.5	0
10/01/2023 16:20	5.3	300	15	7.5	0
10/01/2023 16:30	5.6	293	14	7.9	0
10/01/2023 16:40	6	301	12	7.8	0
10/01/2023 16:50	5.8	299	12	7.4	0
10/01/2023 17:00	6	296	13	7.9	0
10/01/2023 17:10	6.3	294	13	8.1	0
10/01/2023 17:20	5.7	295	11	7.7	0
10/01/2023 17:30	5.8	295	14	7.9	0
10/01/2023 17:40	5.6	296	12	7.4	0
10/01/2023 17:50	5.8	300	11	7.9	0
10/01/2023 18:00	5.9	297	11	8.3	0
10/01/2023 18:10	5.8	299	11	7.4	0
10/01/2023 18:20	5.9	299	10	7.8	0
10/01/2023 18:30	5.5	294	14	7.5	0
10/01/2023 18:40	5.5	293	13	7.5	0
10/01/2023 18:50	5.6	297	13	7.4	0
10/01/2023 19:00	5.4	297	11	7.2	0
10/01/2023 19:10	5.1	295	11	7.5	0
10/01/2023 19:20	5.9	295	10	7.5	0
10/01/2023 19:30	6	300	10	7.9	0
10/01/2023 19:40	5.1	295	12	7.2	0
10/01/2023 19:50	5.3	291	12	7.3	0
10/01/2023 20:00	5.4	291	13	7.8	0
10/01/2023 20:10	5.4	284	16	7.5	0
10/01/2023 20:20	5.3	270	14	7.5	0
10/01/2023 20:30	6.4	270	12	8.4	0
10/01/2023 20:40	5.3	283	15	7.9	0
10/01/2023 20:50	5.8	272	14	7.9	0
10/01/2023 21:00	5.6	271	13	7.4	0
10/01/2023 21:10	5.4	267	12	7.9	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/01/2023 21:20	6.5	262	11	8.5	0
10/01/2023 21:30	5.9	266	11	8.3	0
10/01/2023 21:40	6.4	263	11	8.8	0
10/01/2023 21:50	6.8	265	11	9.1	0
10/01/2023 22:00	7.2	263	10	9.4	0
10/01/2023 22:10	6.7	261	9	8.9	0
10/01/2023 22:20	5.7	264	10	7.7	0
10/01/2023 22:30	6.3	261	9	7.7	0
10/01/2023 22:40	5.2	272	12	7.2	0
10/01/2023 22:50	5.8	263	10	8	0
10/01/2023 23:00	5.2	262	10	6.6	0
10/01/2023 23:10	5	266	11	6.4	0
10/01/2023 23:20	4.9	265	10	6.7	0
10/01/2023 23:30	4.9	267	11	6.7	0
10/01/2023 23:40	5.3	263	10	7.7	0
10/01/2023 23:50	5.6	261	11	7.6	0
11/01/2023 00:00	5.2	263	9	7	0
11/01/2023 00:10	5.1	265	12	7.1	0
11/01/2023 00:20	4.8	264	11	6.8	0
11/01/2023 00:30	4.4	267	11	5.8	0
11/01/2023 00:40	4.1	268	13	5.7	0
11/01/2023 00:50	3.8	281	14	5.6	0
11/01/2023 01:00	3.9	285	13	5.2	0
11/01/2023 01:10	3.5	281	17	5.2	0
11/01/2023 01:20	3.7	276	16	5	0
11/01/2023 01:30	4.4	278	14	6.1	0
11/01/2023 01:40	4.1	277	14	6	0
11/01/2023 01:50	4.1	273	14	5.6	0
11/01/2023 02:00	3.7	279	15	4.9	0
11/01/2023 02:10	4.1	289	14	6	0
11/01/2023 02:20	3.3	282	16	5.2	0
11/01/2023 02:30	3.3	276	13	4.4	0
11/01/2023 02:40	3.4	288	15	4.8	0
11/01/2023 02:50	3.3	290	15	4.6	0
11/01/2023 03:00	3.2	284	15	4.7	0
11/01/2023 03:10	3	283	17	4.4	0
11/01/2023 03:20	3.5	293	11	5	0
11/01/2023 03:30	3.1	292	14	5	0
11/01/2023 03:40	3.3	292	13	4.8	0
11/01/2023 03:50	3.8	294	11	5	0
11/01/2023 04:00	3.5	290	13	4.8	0
11/01/2023 04:10	3.7	295	10	5.1	0
11/01/2023 04:20	3.4	295	10	4.2	0
11/01/2023 04:30	3.3	294	11	4.6	0
11/01/2023 04:40	2.9	285	14	4.7	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/01/2023 04:50	2.5	279	14	3.6	0
11/01/2023 05:00	3.8	262	8	5	0
11/01/2023 05:10	3.2	255	9	4.3	0
11/01/2023 05:20	2.6	261	8	3.4	0
11/01/2023 05:30	2.8	263	10	3.7	0
11/01/2023 05:40	2.7	255	9	3.6	0
11/01/2023 05:50	2.8	258	8	3.7	0
11/01/2023 06:00	3	260	10	4.3	0
11/01/2023 06:10	2.9	256	11	3.8	0
11/01/2023 06:20	3.3	259	11	4.4	0
11/01/2023 06:30	4	258	12	5.7	0
11/01/2023 06:40	4.3	256	11	6	0
11/01/2023 06:50	4	251	12	5.6	0
11/01/2023 07:00	4.1	251	11	5.3	0
11/01/2023 07:10	4.1	250	13	5.7	0
11/01/2023 07:20	3	232	25	4.7	0
11/01/2023 07:30	2.8	236	17	4	0
11/01/2023 07:40	2.4	225	32	3.6	0
11/01/2023 07:50	1.8	213	61	3.1	0
11/01/2023 08:00	2.3	218	28	3.5	0
11/01/2023 08:10	2.4	232	18	3.5	0
11/01/2023 08:20	2.3	238	30	3.4	0
11/01/2023 08:30	1.6	178	40	2.8	0
11/01/2023 08:40	2.2	137	25	3.7	0
11/01/2023 08:50	2.7	119	22	4.2	0
11/01/2023 09:00	2.5	121	22	3.9	0
11/01/2023 09:10	3	116	15	4.1	0
11/01/2023 09:20	2.8	108	18	4.4	0
11/01/2023 09:30	3.2	104	20	4.4	0
11/01/2023 09:40	2.8	98	16	4.3	0
11/01/2023 09:50	2.3	102	26	3.7	0
11/01/2023 10:00	2.4	100	24	3.7	0
11/01/2023 10:10	2.4	111	25	3.8	0
11/01/2023 10:20	2.4	77	21	3.8	0
11/01/2023 10:30	2.3	86	32	4.4	0
11/01/2023 10:40	2.7	90	28	4.4	0
11/01/2023 10:50	2.6	112	32	4	0
11/01/2023 11:00	2.9	111	22	4.8	0
11/01/2023 11:10	3	93	25	4.4	0
11/01/2023 11:20	2.9	78	27	4.8	0
11/01/2023 11:30	3.1	93	23	4.7	0
11/01/2023 11:40	3	70	20	4.6	0
11/01/2023 11:50	2.8	68	29	5	0
11/01/2023 12:00	2.7	98	18	4.5	0
11/01/2023 12:10	2.6	94	24	4.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/01/2023 12:20	2.5	59	26	3.8	0
11/01/2023 12:30	2.7	198	68	5.4	0
11/01/2023 12:40	3.9	339	22	5.2	0
11/01/2023 12:50	3.7	176	18	5.1	0
11/01/2023 13:00	3.4	177	19	4.7	0
11/01/2023 13:10	3.3	355	21	4.6	0
11/01/2023 13:20	3.6	347	20	4.7	0
11/01/2023 13:30	3.2	351	26	4.6	0
11/01/2023 13:40	3.7	353	24	5.1	0
11/01/2023 13:50	3.6	344	23	4.9	0
11/01/2023 14:00	3.9	341	17	5.7	0
11/01/2023 14:10	3.9	341	23	5.9	0
11/01/2023 14:20	3.9	1	20	6.3	0
11/01/2023 14:30	3.7	179	19	5.2	0
11/01/2023 14:40	3.7	353	21	5.2	0
11/01/2023 14:50	3.4	348	28	5.2	0
11/01/2023 15:00	3.5	339	25	6.3	0
11/01/2023 15:10	3.8	326	38	6.4	0
11/01/2023 15:20	3.8	319	25	6.6	0
11/01/2023 15:30	6	295	11	7.5	0
11/01/2023 15:40	6	292	13	8	0
11/01/2023 15:50	5.6	292	13	7.5	0
11/01/2023 16:00	5.6	295	14	7.5	0
11/01/2023 16:10	5.9	293	14	7.7	0
11/01/2023 16:20	5.9	291	14	7.5	0
11/01/2023 16:30	5.4	286	13	7	0
11/01/2023 16:40	5.2	292	14	7	0
11/01/2023 16:50	5.5	293	11	6.8	0
11/01/2023 17:00	5.2	292	13	6.8	0
11/01/2023 17:10	5.1	294	12	6.6	0
11/01/2023 17:20	5	271	16	6.7	0
11/01/2023 17:30	5.5	264	10	7.7	0
11/01/2023 17:40	5.8	261	10	7.5	0
11/01/2023 17:50	5.6	259	11	7.5	0
11/01/2023 18:00	5.3	256	11	7	0
11/01/2023 18:10	5.2	257	12	7	0
11/01/2023 18:20	5.3	262	11	7.3	0
11/01/2023 18:30	5.2	258	12	6.7	0
11/01/2023 18:40	5.1	260	11	6.8	0
11/01/2023 18:50	5	260	10	6.6	0
11/01/2023 19:00	5	264	11	6.4	0
11/01/2023 19:10	4.7	257	10	6.2	0
11/01/2023 19:20	4.7	258	11	6.3	0
11/01/2023 19:30	5	260	10	6.6	0
11/01/2023 19:40	5.1	262	11	6.4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/01/2023 19:50	4	259	13	5.7	0
11/01/2023 20:00	4.5	264	11	5.5	0
11/01/2023 20:10	4.8	259	11	6.3	0
11/01/2023 20:20	4.3	263	10	5.8	0
11/01/2023 20:30	3.5	260	12	5.2	0
11/01/2023 20:40	4.1	251	10	6	0
11/01/2023 20:50	4.4	255	11	5.6	0
11/01/2023 21:00	4	252	14	5.6	0
11/01/2023 21:10	4.1	251	13	5.3	0
11/01/2023 21:20	3.5	254	13	4.6	0
11/01/2023 21:30	3.7	247	12	5.2	0
11/01/2023 21:40	3.1	252	14	4.3	0
11/01/2023 21:50	3.2	253	12	4.3	0
11/01/2023 22:00	3.6	248	12	5.2	0
11/01/2023 22:10	2.9	247	12	4.1	0
11/01/2023 22:20	2.7	247	13	4	0
11/01/2023 22:30	3.4	250	14	5	0
11/01/2023 22:40	3.3	249	13	4.7	0
11/01/2023 22:50	3.8	247	12	4.9	0
11/01/2023 23:00	3.4	257	11	4.5	0
11/01/2023 23:10	3.6	253	11	4.4	0
11/01/2023 23:20	3.9	253	13	5.6	0
11/01/2023 23:30	4.2	250	11	5.4	0
11/01/2023 23:40	4.2	256	11	5.5	0
11/01/2023 23:50	4.5	255	10	6.1	0
12/01/2023 00:00	4.2	251	14	6.1	0
12/01/2023 00:10	4	257	10	5.2	0
12/01/2023 00:20	4	255	11	5.4	0
12/01/2023 00:30	3.5	257	12	4.6	0
12/01/2023 00:40	4	260	10	5.1	0
12/01/2023 00:50	3.8	263	8	4.8	0
12/01/2023 01:00	3.5	264	10	4.4	0
12/01/2023 01:10	3.3	257	12	4.4	0
12/01/2023 01:20	3.3	259	9	4.3	0
12/01/2023 01:30	2.9	252	12	4	0
12/01/2023 01:40	3.6	237	14	5	0
12/01/2023 01:50	4	233	13	5.5	0
12/01/2023 02:00	3.9	243	12	5.5	0
12/01/2023 02:10	3.8	244	13	5.1	0
12/01/2023 02:20	3.8	247	12	5.4	0
12/01/2023 02:30	3.8	247	12	5.4	0
12/01/2023 02:40	4	239	14	5.8	0
12/01/2023 02:50	3.5	243	14	5.2	0
12/01/2023 03:00	3.4	244	13	4.7	0
12/01/2023 03:10	4.8	245	12	6.7	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/01/2023 03:20	4.4	243	14	6	0
12/01/2023 03:30	5.3	245	12	7.3	0
12/01/2023 03:40	5.5	247	13	7.4	0
12/01/2023 03:50	5.2	245	13	8	0
12/01/2023 04:00	5.4	245	11	7.9	0
12/01/2023 04:10	5.1	246	12	7.2	0
12/01/2023 04:20	4.6	248	11	6.4	0
12/01/2023 04:30	4.8	247	12	6.4	0
12/01/2023 04:40	4.9	249	12	7	0
12/01/2023 04:50	5	245	11	6.8	0
12/01/2023 05:00	4.8	248	12	6.4	0
12/01/2023 05:10	4.9	247	13	6.9	0
12/01/2023 05:20	4.7	246	13	6.7	0
12/01/2023 05:30	4.5	251	12	6.1	0
12/01/2023 05:40	4.4	248	13	6	0
12/01/2023 05:50	4.6	250	12	6.4	0
12/01/2023 06:00	4	256	12	5.5	0
12/01/2023 06:10	4	258	10	5.3	0
12/01/2023 06:20	4.3	259	12	5.2	0
12/01/2023 06:30	4.6	261	10	5.9	0
12/01/2023 06:40	4.6	258	11	5.6	0
12/01/2023 06:50	4.8	257	10	6	0
12/01/2023 07:00	4.6	262	11	6	0
12/01/2023 07:10	4.4	265	9	5.7	0
12/01/2023 07:20	3.7	264	10	4.9	0
12/01/2023 07:30	3.3	261	11	4.4	0
12/01/2023 07:40	2.7	252	16	3.7	0
12/01/2023 07:50	2.9	237	16	4.1	0
12/01/2023 08:00	3.4	234	16	4.8	0
12/01/2023 08:10	2.7	229	18	4.1	0
12/01/2023 08:20	2.4	221	24	3.6	0
12/01/2023 08:30	1.6	158	57	3.1	0
12/01/2023 08:40	2.7	128	27	4.2	0
12/01/2023 08:50	2.8	119	16	4	0
12/01/2023 09:00	2.6	115	18	4	0
12/01/2023 09:10	3.3	96	17	4.4	0
12/01/2023 09:20	3	105	20	4.6	0
12/01/2023 09:30	2.7	111	26	4.4	0
12/01/2023 09:40	3.1	105	18	4.9	0
12/01/2023 09:50	2.7	96	23	4.9	0
12/01/2023 10:00	2.8	89	23	4.9	0
12/01/2023 10:10	3.3	76	22	5.6	0
12/01/2023 10:20	2.9	73	24	5.3	0
12/01/2023 10:30	2.9	71	24	5.2	0
12/01/2023 10:40	3	81	25	5.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/01/2023 10:50	3.7	76	22	5.7	0
12/01/2023 11:00	4.1	57	17	6.7	0
12/01/2023 11:10	3.8	47	20	6.7	0
12/01/2023 11:20	4.3	54	17	5.9	0
12/01/2023 11:30	4.4	50	15	6.1	0
12/01/2023 11:40	3.1	182	31	4.5	0
12/01/2023 11:50	3.6	349	18	5.2	0
12/01/2023 12:00	3.1	347	21	4.6	0
12/01/2023 12:10	2.9	186	28	4.4	0
12/01/2023 12:20	2.8	2	28	4.8	0
12/01/2023 12:30	3.1	10	33	5.2	0
12/01/2023 12:40	2.6	21	33	4.8	0
12/01/2023 12:50	3.5	32	38	5.5	0
12/01/2023 13:00	3.3	350	21	4.9	0
12/01/2023 13:10	3	176	24	4.6	0
12/01/2023 13:20	3.4	177	25	5	0
12/01/2023 13:30	3.5	177	22	5.2	0
12/01/2023 13:40	3.2	9	23	4.6	0
12/01/2023 13:50	3.2	179	23	4.8	0
12/01/2023 14:00	3.9	342	20	5.6	0
12/01/2023 14:10	4.1	343	17	5.9	0
12/01/2023 14:20	3.9	344	18	5.2	0
12/01/2023 14:30	3.6	345	18	5.2	0
12/01/2023 14:40	3.6	357	20	5.1	0
12/01/2023 14:50	4.1	352	16	5.9	0
12/01/2023 15:00	3.9	353	21	5.8	0
12/01/2023 15:10	4.1	355	16	5.8	0
12/01/2023 15:20	3.9	3	21	6	0
12/01/2023 15:30	4.1	355	21	6	0
12/01/2023 15:40	4.6	176	14	6	0
12/01/2023 15:50	4.5	168	17	6.4	0
12/01/2023 16:00	4.4	340	18	6.1	0
12/01/2023 16:10	4.6	341	18	6.8	0
12/01/2023 16:20	5.4	339	16	7.6	0
12/01/2023 16:30	5	340	19	6.9	0
12/01/2023 16:40	5.7	334	15	7.5	0
12/01/2023 16:50	5.3	345	16	8.1	0
12/01/2023 17:00	5.5	299	19	7.7	0
12/01/2023 17:10	5.2	283	15	7	0
12/01/2023 17:20	5.4	284	14	7.1	0
12/01/2023 17:30	5.2	287	14	6.9	0
12/01/2023 17:40	5.3	275	14	7.5	0
12/01/2023 17:50	5.2	263	10	6.8	0
12/01/2023 18:00	5.9	262	8	7.5	0
12/01/2023 18:10	5.8	262	10	7.4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/01/2023 18:20	5.3	262	10	7.8	0
12/01/2023 18:30	6.4	263	10	8.3	0
12/01/2023 18:40	6.3	262	11	8.1	0
12/01/2023 18:50	5.7	261	11	7.5	0
12/01/2023 19:00	5.7	262	10	7.3	0
12/01/2023 19:10	5.5	263	9	6.9	0
12/01/2023 19:20	5.2	261	10	6.9	0
12/01/2023 19:30	5.2	262	11	7	0
12/01/2023 19:40	5	262	10	6.8	0
12/01/2023 19:50	5.1	266	10	6.3	0
12/01/2023 20:00	5.2	257	9	6.5	0
12/01/2023 20:10	5.1	263	10	6.6	0
12/01/2023 20:20	4.8	264	9	6.4	0
12/01/2023 20:30	5.2	262	10	6.9	0
12/01/2023 20:40	5.6	262	10	7.4	0
12/01/2023 20:50	4.9	259	11	7.2	0
12/01/2023 21:00	5.1	265	9	7.4	0
12/01/2023 21:10	5.4	264	10	6.6	0
12/01/2023 21:20	5.2	262	10	6.8	0
12/01/2023 21:30	4.5	261	11	6.4	0
12/01/2023 21:40	4.3	256	12	5.8	0
12/01/2023 21:50	4.5	257	10	6	0
12/01/2023 22:00	3.5	256	13	4.9	0
12/01/2023 22:10	3.7	254	11	5.2	0
12/01/2023 22:20	3.9	255	11	5.1	0
12/01/2023 22:30	4.1	253	11	6	0
12/01/2023 22:40	4.3	255	13	5.6	0
12/01/2023 22:50	3.6	253	14	5.5	0
12/01/2023 23:00	3.3	251	11	4.7	0
12/01/2023 23:10	4.1	253	13	5.8	0
12/01/2023 23:20	4.2	246	12	5.6	0
12/01/2023 23:30	4.4	244	11	6	0
12/01/2023 23:40	4.3	246	12	6.5	0
12/01/2023 23:50	4	247	12	5.8	0
13/01/2023 00:00	4.4	247	12	6.5	0
13/01/2023 00:10	4.2	246	10	6.2	0
13/01/2023 00:20	4.5	242	12	6.7	0
13/01/2023 00:30	4.8	245	12	7.7	0
13/01/2023 00:40	4.8	247	12	7.1	0
13/01/2023 00:50	5.1	246	12	7.2	0
13/01/2023 01:00	4.7	243	12	6.3	0
13/01/2023 01:10	5.1	246	12	7.2	0
13/01/2023 01:20	5	246	11	6.7	0
13/01/2023 01:30	4.8	247	11	6.9	0
13/01/2023 01:40	4.8	249	10	6.8	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/01/2023 01:50	4.4	252	10	6.3	0
13/01/2023 02:00	5.3	249	11	7.6	0
13/01/2023 02:10	5	248	11	6.6	0
13/01/2023 02:20	4.9	248	11	6.6	0
13/01/2023 02:30	4.5	249	12	6.6	0
13/01/2023 02:40	4.6	249	11	6.3	0
13/01/2023 02:50	4.6	247	12	6.5	0
13/01/2023 03:00	4.6	247	12	6.9	0
13/01/2023 03:10	4.4	248	11	6.3	0
13/01/2023 03:20	4.4	252	11	5.9	0
13/01/2023 03:30	4.2	251	10	6.1	0
13/01/2023 03:40	4.2	252	12	6.1	0
13/01/2023 03:50	4.2	253	10	5.2	0
13/01/2023 04:00	4.3	253	12	5.7	0
13/01/2023 04:10	3.8	249	11	4.9	0
13/01/2023 04:20	4	251	12	5.2	0
13/01/2023 04:30	3.7	253	10	4.9	0
13/01/2023 04:40	3.9	252	10	5	0
13/01/2023 04:50	3.7	249	10	5	0
13/01/2023 05:00	3.1	249	10	4.4	0
13/01/2023 05:10	3.2	249	10	4	0
13/01/2023 05:20	2.4	247	10	3.2	0
13/01/2023 05:30	1.9	243	13	2.4	0
13/01/2023 05:40	2.1	241	13	2.7	0
13/01/2023 05:50	1.8	242	14	2.4	0
13/01/2023 06:00	1.3	234	24	2.1	0
13/01/2023 06:10	0.4	164	24	1	0
13/01/2023 06:20	0.8	279	15	1.3	0
13/01/2023 06:30	0.7	282	22	1.3	0
13/01/2023 06:40	1	249	22	1.4	0
13/01/2023 06:50	0.6	157	46	1.3	0
13/01/2023 07:00	1.2	238	29	2.1	0
13/01/2023 07:10	2.3	243	12	3.2	0
13/01/2023 07:20	1.5	240	16	2	0
13/01/2023 07:30	2	246	13	2.6	0
13/01/2023 07:40	1.5	246	19	2.3	0
13/01/2023 07:50	1.4	225	29	2.2	0
13/01/2023 08:00	2	221	30	3.1	0
13/01/2023 08:10	1.7	199	44	2.8	0
13/01/2023 08:20	1.7	211	51	3.2	0
13/01/2023 08:30	2	190	63	3.4	0
13/01/2023 08:40	2.1	132	34	4	0
13/01/2023 08:50	3	129	20	4.6	0
13/01/2023 09:00	2.7	114	18	4	0
13/01/2023 09:10	2.8	109	19	4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/01/2023 09:20	3.5	99	16	4.8	0
13/01/2023 09:30	3.7	102	16	5.6	0
13/01/2023 09:40	3.1	93	19	5.1	0
13/01/2023 09:50	3.1	108	22	4.8	0
13/01/2023 10:00	3.2	84	18	4.8	0
13/01/2023 10:10	2.8	90	18	4.7	0
13/01/2023 10:20	2.8	88	26	5.2	0
13/01/2023 10:30	2.9	94	25	4.7	0
13/01/2023 10:40	2.6	78	26	4.5	0
13/01/2023 10:50	3.4	83	19	5.5	0
13/01/2023 11:00	3.6	64	16	5.2	0
13/01/2023 11:10	3.9	45	19	5.4	0
13/01/2023 11:20	3.3	47	14	5.2	0
13/01/2023 11:30	3.7	47	15	5.1	0
13/01/2023 11:40	3.7	49	17	4.9	0
13/01/2023 11:50	4	45	17	6	0
13/01/2023 12:00	4.4	51	17	6.8	0
13/01/2023 12:10	3.3	36	25	5.4	0
13/01/2023 12:20	4	51	19	6	0
13/01/2023 12:30	3.9	53	20	5.8	0
13/01/2023 12:40	3	45	29	6.3	0
13/01/2023 12:50	3.5	17	23	5.3	0
13/01/2023 13:00	3.7	351	20	5.3	0
13/01/2023 13:10	4	349	17	5.8	0
13/01/2023 13:20	4.3	173	17	5.7	0
13/01/2023 13:30	4.1	348	19	5.5	0
13/01/2023 13:40	3.8	176	21	5.6	0
13/01/2023 13:50	4.2	174	18	5.6	0
13/01/2023 14:00	4.7	349	17	6.4	0
13/01/2023 14:10	4.7	354	19	6.7	0
13/01/2023 14:20	5	353	16	7.1	0
13/01/2023 14:30	4.9	352	16	7.3	0
13/01/2023 14:40	5.1	355	17	7	0
13/01/2023 14:50	4.7	350	17	7.1	0
13/01/2023 15:00	4.7	356	19	7.1	0
13/01/2023 15:10	5.1	351	20	7.5	0
13/01/2023 15:20	5.2	348	17	7.8	0
13/01/2023 15:30	4.4	352	19	6.8	0
13/01/2023 15:40	5.6	336	15	8.4	0
13/01/2023 15:50	5.7	336	15	7.8	0
13/01/2023 16:00	5.7	340	13	7.6	0
13/01/2023 16:10	5.8	341	16	7.8	0
13/01/2023 16:20	6.1	344	15	8	0
13/01/2023 16:30	5	346	18	6.8	0
13/01/2023 16:40	4	162	25	6.5	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/01/2023 16:50	4.5	302	17	6.2	0
13/01/2023 17:00	4.4	296	14	6	0
13/01/2023 17:10	5.1	284	16	7.1	0
13/01/2023 17:20	4.9	288	17	7.3	0
13/01/2023 17:30	4.9	285	14	6.8	0
13/01/2023 17:40	5.5	289	12	7.7	0
13/01/2023 17:50	5.1	280	11	7.2	0
13/01/2023 18:00	6	262	9	7.5	0
13/01/2023 18:10	6.3	262	8	7.5	0
13/01/2023 18:20	6.3	263	9	8	0
13/01/2023 18:30	6.1	261	10	7.5	0
13/01/2023 18:40	5.7	263	10	7	0
13/01/2023 18:50	5.5	260	10	7.2	0
13/01/2023 19:00	5.7	262	9	6.9	0
13/01/2023 19:10	5.8	264	10	7.2	0
13/01/2023 19:20	5.3	263	9	6.7	0
13/01/2023 19:30	5.2	261	9	6.4	0
13/01/2023 19:40	5.4	263	8	7.2	0
13/01/2023 19:50	5.2	256	12	6.8	0
13/01/2023 20:00	4.9	258	11	6.3	0
13/01/2023 20:10	5.8	262	9	7.5	0
13/01/2023 20:20	5.7	264	9	7.2	0
13/01/2023 20:30	4.8	260	10	6.4	0
13/01/2023 20:40	4.7	252	11	6.2	0
13/01/2023 20:50	4.4	257	10	5.6	0
13/01/2023 21:00	4.6	254	11	5.7	0
13/01/2023 21:10	3.8	249	9	5.2	0
13/01/2023 21:20	3.8	241	11	4.8	0
13/01/2023 21:30	3.3	244	11	4.6	0
13/01/2023 21:40	3	247	13	4	0
13/01/2023 21:50	3.4	249	10	4.3	0
13/01/2023 22:00	3.2	254	11	4.8	0
13/01/2023 22:10	3	249	12	4.4	0
13/01/2023 22:20	3.3	248	11	5	0
13/01/2023 22:30	3.6	252	11	5.2	0
13/01/2023 22:40	4.3	253	10	5.7	0
13/01/2023 22:50	4.2	259	10	5.3	0
13/01/2023 23:00	3.8	267	10	5.4	0
13/01/2023 23:10	3.9	270	13	5.3	0
13/01/2023 23:20	4.1	265	10	5.4	0
13/01/2023 23:30	4.5	262	10	6	0
13/01/2023 23:40	4.2	259	10	5.4	0
13/01/2023 23:50	4.2	259	10	5.5	0
14/01/2023 00:00	3.9	262	10	5.2	0
14/01/2023 00:10	3.6	262	11	5.1	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/01/2023 00:20	3.3	253	12	4.4	0
14/01/2023 00:30	3.7	261	10	4.9	0
14/01/2023 00:40	3.9	264	8	4.9	0
14/01/2023 00:50	3.8	265	8	4.9	0
14/01/2023 01:00	3.4	262	7	4	0
14/01/2023 01:10	3.3	260	7	4	0
14/01/2023 01:20	3.4	262	6	4.1	0
14/01/2023 01:30	3.2	261	8	4.2	0
14/01/2023 01:40	2.6	259	10	3.3	0
14/01/2023 01:50	2.1	251	13	3	0
14/01/2023 02:00	1.7	249	12	2.8	0
14/01/2023 02:10	1.5	240	14	2.4	0
14/01/2023 02:20	1.1	234	13	1.6	0
14/01/2023 02:30	1.6	239	13	2.4	0
14/01/2023 02:40	1.7	226	13	2.3	0
14/01/2023 02:50	1.8	215	20	2.6	0
14/01/2023 03:00	2.1	217	33	3.3	0
14/01/2023 03:10	2.3	213	31	3.2	0
14/01/2023 03:20	1.8	233	61	2.8	0
14/01/2023 03:30	1.9	244	67	3	0
14/01/2023 03:40	2	234	72	3.1	0
14/01/2023 03:50	2.2	221	43	3.1	0
14/01/2023 04:00	1.6	218	50	2.4	0
14/01/2023 04:10	2	219	24	2.7	0
14/01/2023 04:20	2.5	221	13	3	0
14/01/2023 04:30	2.5	226	16	3.2	0
14/01/2023 04:40	1.4	227	23	2.4	0
14/01/2023 04:50	0.2	177	13	0.8	0
14/01/2023 05:00	0.5	65	18	1.2	0
14/01/2023 05:10	0.6	204	41	1.2	0
14/01/2023 05:20	0.9	275	63	1.5	0
14/01/2023 05:30	0.5	236	18	1.2	0
14/01/2023 05:40	0.2	281	5	0.8	0
14/01/2023 05:50	0.9	273	10	1.2	0
14/01/2023 06:00	0.8	251	9	1.2	0
14/01/2023 06:10	0.1	256	6	0.6	0
14/01/2023 06:20	0	230	4	0.5	0
14/01/2023 06:30	0.1	115	4	0.5	0
14/01/2023 06:40	0.2	221	8	0.8	0
14/01/2023 06:50	0.9	222	17	1.3	0
14/01/2023 07:00	0.8	177	42	1.4	0
14/01/2023 07:10	0.7	227	73	1.2	0
14/01/2023 07:20	1.2	135	44	2.3	0
14/01/2023 07:30	2	148	23	3.2	0
14/01/2023 07:40	2.5	131	16	3.5	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/01/2023 07:50	3.2	125	11	4.8	0
14/01/2023 08:00	3	125	16	4.2	0
14/01/2023 08:10	3.2	119	15	4.3	0
14/01/2023 08:20	3.1	114	15	4.2	0
14/01/2023 08:30	3.6	112	12	4.8	0
14/01/2023 08:40	3.7	116	14	5.7	0
14/01/2023 08:50	3.9	115	12	5.2	0
14/01/2023 09:00	4.4	116	13	5.9	0
14/01/2023 09:10	5.8	90	14	11.8	0
14/01/2023 09:20	6.7	83	11	10.9	0
14/01/2023 09:30	7.2	85	13	11.3	0
14/01/2023 09:40	7.8	86	12	11.4	0
14/01/2023 09:50	7.9	85	11	11.1	0
14/01/2023 10:00	8.4	86	11	12.9	0
14/01/2023 10:10	8.9	82	12	12.3	0
14/01/2023 10:20	9.6	84	11	13	0
14/01/2023 10:30	9	85	11	13.5	0
14/01/2023 10:40	8.8	88	11	12.5	0
14/01/2023 10:50	8.7	88	12	11.5	0
14/01/2023 11:00	8.6	88	11	11.1	0
14/01/2023 11:10	8.8	88	11	11.5	0
14/01/2023 11:20	8	88	11	11.4	0
14/01/2023 11:30	7.8	84	12	11.5	0
14/01/2023 11:40	8.2	74	10	10.9	0
14/01/2023 11:50	8.1	77	12	11.3	0
14/01/2023 12:00	7.3	73	12	9.8	0
14/01/2023 12:10	7.2	70	11	9.6	0
14/01/2023 12:20	6.9	61	12	8.9	0
14/01/2023 12:30	6.9	67	11	9.5	0
14/01/2023 12:40	6.5	60	15	8.4	0
14/01/2023 12:50	6.4	60	11	8.5	0
14/01/2023 13:00	6.6	62	13	8.7	0
14/01/2023 13:10	6.9	61	14	9.9	0
14/01/2023 13:20	6.5	65	13	8.8	0
14/01/2023 13:30	6.5	66	14	8.8	0
14/01/2023 13:40	5.4	60	18	8	0
14/01/2023 13:50	4.6	36	17	6.6	0
14/01/2023 14:00	4.6	39	18	6.7	0
14/01/2023 14:10	5.2	44	12	7.2	0
14/01/2023 14:20	5	49	13	7.1	0
14/01/2023 14:30	5.2	41	19	7.2	0
14/01/2023 14:40	3.9	347	22	5.7	0
14/01/2023 14:50	4.4	344	20	6.1	0
14/01/2023 15:00	4.3	4	18	5.9	0
14/01/2023 15:10	4.7	6	21	6.4	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/01/2023 15:20	4.8	18	17	6.9	0
14/01/2023 15:30	4.9	16	18	6.8	0
14/01/2023 15:40	4.8	11	18	6.6	0
14/01/2023 15:50	4.9	4	20	6.8	0
14/01/2023 16:00	4.6	184	18	6.4	0
14/01/2023 16:10	4.7	6	18	6.8	0
14/01/2023 16:20	4.1	181	19	6.3	0
14/01/2023 16:30	4.5	351	22	6.4	0
14/01/2023 16:40	4.3	177	23	6.5	0
14/01/2023 16:50	4.4	360	20	6.8	0
14/01/2023 17:00	4.9	7	16	6.8	0
14/01/2023 17:10	5.1	180	20	6.9	0
14/01/2023 17:20	5	6	18	7.4	0
14/01/2023 17:30	4.6	183	22	7	0
14/01/2023 17:40	4	14	20	5.4	0
14/01/2023 17:50	4	179	18	5.9	0
14/01/2023 18:00	4.4	13	19	6.4	0
14/01/2023 18:10	3.4	160	20	5.2	0
14/01/2023 18:20	3.2	172	27	5	0
14/01/2023 18:30	3.5	305	15	5	0
14/01/2023 18:40	2	326	40	4	0
14/01/2023 18:50	2.1	154	28	3.2	0
14/01/2023 19:00	1.5	298	25	2.6	0
14/01/2023 19:10	0.7	322	51	2.4	0
14/01/2023 19:20	4	96	22	6.5	0
14/01/2023 19:30	1.4	235	15	2.6	0
14/01/2023 19:40	1.4	101	19	2.8	0
14/01/2023 19:50	3.5	87	12	5.2	0
14/01/2023 20:00	4.4	76	13	6.3	0
14/01/2023 20:10	4	69	17	6.2	0
14/01/2023 20:20	3.7	79	14	5.6	0
14/01/2023 20:30	3.3	82	12	4.7	0
14/01/2023 20:40	2.9	72	14	4.5	0
14/01/2023 20:50	3.4	76	12	4.9	0
14/01/2023 21:00	3.4	56	10	4.8	0
14/01/2023 21:10	2.8	65	13	4.1	0
14/01/2023 21:20	2.3	77	9	3.2	0
14/01/2023 21:30	3.7	90	11	5.6	0
14/01/2023 21:40	7.1	90	10	9.3	0
14/01/2023 21:50	7.2	86	10	10.2	0
14/01/2023 22:00	7.2	84	10	9.7	0
14/01/2023 22:10	7.3	82	11	10.2	0
14/01/2023 22:20	7.4	74	11	10.3	0
14/01/2023 22:30	6.5	73	12	8.8	0
14/01/2023 22:40	7	85	11	10.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/01/2023 22:50	7	89	9	10	0
14/01/2023 23:00	7.1	79	10	9.2	0
14/01/2023 23:10	6.4	81	10	9.3	0
14/01/2023 23:20	6	83	10	8.7	0
14/01/2023 23:30	5.9	85	11	7.5	0
14/01/2023 23:40	6.1	82	10	8.1	0
14/01/2023 23:50	6.5	79	10	8.2	0
15/01/2023 00:00	6.4	83	9	8.6	0
15/01/2023 00:10	5.2	69	11	7.3	0
15/01/2023 00:20	6.2	77	11	8.7	0
15/01/2023 00:30	6.7	72	9	9.6	0
15/01/2023 00:40	6.5	68	9	8.9	0
15/01/2023 00:50	6	64	9	8.3	0
15/01/2023 01:00	5.6	63	12	7.6	0
15/01/2023 01:10	5.5	61	12	7.9	0
15/01/2023 01:20	5.8	68	11	8.3	0
15/01/2023 01:30	6.1	66	10	8.4	0
15/01/2023 01:40	5.9	75	10	8.2	0
15/01/2023 01:50	4.9	71	11	7.6	0
15/01/2023 02:00	5.8	71	11	8.5	0
15/01/2023 02:10	4.7	67	12	6.4	0
15/01/2023 02:20	4.5	67	12	6.3	0
15/01/2023 02:30	5.3	67	10	7.2	0
15/01/2023 02:40	5.1	68	10	7.1	0
15/01/2023 02:50	4.9	70	11	6.8	0
15/01/2023 03:00	4.6	63	13	6.4	0
15/01/2023 03:10	4.7	62	11	6.8	0
15/01/2023 03:20	4.5	66	12	6.7	0
15/01/2023 03:30	4	79	12	5.8	0
15/01/2023 03:40	4	78	11	5.6	0
15/01/2023 03:50	4.2	68	10	6	0
15/01/2023 04:00	4	69	11	5.9	0
15/01/2023 04:10	3.7	77	9	5.2	0
15/01/2023 04:20	4	79	11	5.4	0
15/01/2023 04:30	4.2	78	9	5.6	0
15/01/2023 04:40	4.3	75	9	5.6	0
15/01/2023 04:50	4.7	74	9	6	0
15/01/2023 05:00	5.2	73	11	7	0
15/01/2023 05:10	4.7	74	10	6.8	0
15/01/2023 05:20	4.7	73	10	6.7	0
15/01/2023 05:30	4.5	75	12	6.2	0
15/01/2023 05:40	4.3	65	12	5.8	0
15/01/2023 05:50	3.7	75	10	5.2	0
15/01/2023 06:00	2.3	72	11	3.4	0
15/01/2023 06:10	1.7	83	11	2.3	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/01/2023 06:20	2.2	83	11	3.1	0
15/01/2023 06:30	2.5	77	10	3.2	0
15/01/2023 06:40	2.4	74	10	3.3	0
15/01/2023 06:50	2.4	78	10	3.2	0
15/01/2023 07:00	2.8	70	11	3.7	0
15/01/2023 07:10	3.2	68	11	4.4	0
15/01/2023 07:20	3.2	67	10	4.4	0
15/01/2023 07:30	3.3	80	10	4.2	0
15/01/2023 07:40	3.2	76	12	4.3	0
15/01/2023 07:50	3.3	69	10	4.6	0
15/01/2023 08:00	4	70	12	5.2	0
15/01/2023 08:10	4.1	76	10	5.6	0
15/01/2023 08:20	4.1	84	12	5.5	0.1
15/01/2023 08:30	4	73	13	5.7	0.2
15/01/2023 08:40	4.5	81	12	6.1	0
15/01/2023 08:50	4.6	76	13	6.2	0
15/01/2023 09:00	5.7	73	11	7.6	0
15/01/2023 09:10	5.6	74	12	7.4	0
15/01/2023 09:20	5	77	11	7.5	0
15/01/2023 09:30	5.7	77	14	7.7	0
15/01/2023 09:40	5.8	73	12	7.5	0
15/01/2023 09:50	5.8	80	10	7.9	0
15/01/2023 10:00	6	75	14	7.7	0
15/01/2023 10:10	6.3	71	11	7.9	0
15/01/2023 10:20	6.4	74	12	8.5	0
15/01/2023 10:30	5.7	67	13	7.7	0
15/01/2023 10:40	6.3	66	13	8.8	0
15/01/2023 10:50	6.3	64	15	8.7	0
15/01/2023 11:00	5.7	69	15	8.7	0
15/01/2023 11:10	5.9	70	12	8.6	0
15/01/2023 11:20	6.7	61	12	9.5	0
15/01/2023 11:30	6.9	68	13	9.9	0
15/01/2023 11:40	6.9	63	12	9.3	0
15/01/2023 11:50	6.3	66	12	8.7	0
15/01/2023 12:00	6.2	71	14	8	0
15/01/2023 12:10	6	66	15	8.2	0
15/01/2023 12:20	5.9	74	14	9.2	0
15/01/2023 12:30	6	65	15	8.7	0
15/01/2023 12:40	6.4	65	15	9.1	0
15/01/2023 12:50	6.2	63	13	8.2	0
15/01/2023 13:00	6.7	69	12	9.3	0
15/01/2023 13:10	6.5	69	15	8.4	0
15/01/2023 13:20	6.4	73	13	8.4	0
15/01/2023 13:30	7.3	72	14	9.5	0
15/01/2023 13:40	7.2	72	12	9.9	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/01/2023 13:50	7.2	73	13	9.9	0
15/01/2023 14:00	7	71	13	9.9	0
15/01/2023 14:10	7	74	13	10.3	0
15/01/2023 14:20	6.5	67	13	8.7	0
15/01/2023 14:30	5.3	71	13	7.2	0
15/01/2023 14:40	5.5	49	16	8.5	0
15/01/2023 14:50	5.8	49	15	7.7	0
15/01/2023 15:00	5.1	48	14	7.9	0
15/01/2023 15:10	4.6	39	23	6.3	0
15/01/2023 15:20	4	25	21	6.5	0
15/01/2023 15:30	4.6	177	24	7.4	0
15/01/2023 15:40	3.7	346	22	6	0
15/01/2023 15:50	3.8	350	22	5.7	0
15/01/2023 16:00	3.9	355	27	6	0
15/01/2023 16:10	3.5	354	25	5.6	0
15/01/2023 16:20	3.6	179	23	5.6	0
15/01/2023 16:30	2.9	182	29	4.8	0
15/01/2023 16:40	3.7	174	23	6.8	0
15/01/2023 16:50	4.6	333	19	6.8	0
15/01/2023 17:00	4.1	339	24	6.9	0
15/01/2023 17:10	4	345	20	6.2	0
15/01/2023 17:20	4.4	338	21	6.3	0
15/01/2023 17:30	4.4	343	23	6	0
15/01/2023 17:40	4	18	24	5.9	0
15/01/2023 17:50	4.7	347	18	7.5	0
15/01/2023 18:00	4.5	349	20	6.9	0
15/01/2023 18:10	4.6	344	19	6.8	0
15/01/2023 18:20	4.1	351	21	5.7	0
15/01/2023 18:30	3.7	7	21	5.5	0
15/01/2023 18:40	3.5	182	21	5.4	0
15/01/2023 18:50	3.3	7	24	5	0
15/01/2023 19:00	2.5	7	27	3.7	0
15/01/2023 19:10	2.2	346	32	3.6	0
15/01/2023 19:20	2	325	29	3.3	0
15/01/2023 19:30	2.7	344	24	4.8	0
15/01/2023 19:40	2.5	351	23	4.1	0
15/01/2023 19:50	2.4	357	29	4	0
15/01/2023 20:00	2.9	179	20	4.5	0
15/01/2023 20:10	2.8	182	20	4.6	0
15/01/2023 20:20	2.4	180	20	3.9	0
15/01/2023 20:30	2.1	307	41	3.7	0
15/01/2023 20:40	2.5	293	18	4.3	0
15/01/2023 20:50	2.4	302	19	3.2	0
15/01/2023 21:00	1.9	299	19	2.8	0
15/01/2023 21:10	3	269	13	4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/01/2023 21:20	3.2	266	10	4.2	0
15/01/2023 21:30	3.1	266	12	4.2	0
15/01/2023 21:40	3	276	14	4.2	0
15/01/2023 21:50	2.7	274	15	3.8	0
15/01/2023 22:00	3.2	262	10	4.3	0
15/01/2023 22:10	2.9	266	11	4	0
15/01/2023 22:20	2.8	275	17	3.9	0
15/01/2023 22:30	2.5	281	15	3.3	0
15/01/2023 22:40	2.6	267	12	3.3	0
15/01/2023 22:50	3	264	12	4.1	0
15/01/2023 23:00	2.1	271	16	3	0
15/01/2023 23:10	2.5	265	13	3.2	0
15/01/2023 23:20	2.6	264	13	3.3	0
15/01/2023 23:30	2.6	261	13	3.5	0
15/01/2023 23:40	2.6	260	10	3.3	0
15/01/2023 23:50	2.7	252	14	3.7	0
16/01/2023 00:00	3.1	245	12	4.1	0
16/01/2023 00:10	3.1	255	12	4.1	0
16/01/2023 00:20	2.7	248	13	3.9	0
16/01/2023 00:30	2.4	249	13	3.3	0
16/01/2023 00:40	2.5	258	10	3.5	0
16/01/2023 00:50	3	244	12	4	0
16/01/2023 01:00	2.8	242	12	4	0
16/01/2023 01:10	2.9	243	13	4	0
16/01/2023 01:20	2.6	234	14	3.6	0
16/01/2023 01:30	2.4	236	15	3.4	0
16/01/2023 01:40	2.9	236	12	3.9	0
16/01/2023 01:50	2.5	236	14	3.6	0
16/01/2023 02:00	2.6	226	15	3.7	0
16/01/2023 02:10	2.4	230	12	3.3	0
16/01/2023 02:20	2.1	233	14	3.2	0
16/01/2023 02:30	2.5	237	14	3.5	0
16/01/2023 02:40	2.1	237	13	3.2	0
16/01/2023 02:50	2.7	251	12	3.4	0
16/01/2023 03:00	2.5	246	11	3.2	0
16/01/2023 03:10	2.4	244	13	3.3	0
16/01/2023 03:20	2.1	250	14	2.7	0
16/01/2023 03:30	1.9	234	13	2.4	0
16/01/2023 03:40	0.6	192	20	1.2	0
16/01/2023 03:50	0.5	234	12	1	0
16/01/2023 04:00	0.9	237	18	1.6	0
16/01/2023 04:10	0	227	0	0.4	0
16/01/2023 04:20	0.7	247	12	1.1	0
16/01/2023 04:30	0.9	249	10	1.3	0
16/01/2023 04:40	1.1	241	16	1.7	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/01/2023 04:50	0.2	225	9	0.8	0
16/01/2023 05:00	0	235	4	0.4	0
16/01/2023 05:10	0	239	2	0.4	0
16/01/2023 05:20	0.4	23	4	1	0
16/01/2023 05:30	0.7	47	5	1.2	0
16/01/2023 05:40	0	55	0	0.4	0
16/01/2023 05:50					0
16/01/2023 06:00					0
16/01/2023 06:10	0	136	0	0.4	0
16/01/2023 06:20	0	342	0	0.4	0
16/01/2023 06:30					0
16/01/2023 06:40	0	113	7	0.4	0
16/01/2023 06:50	0.1	193	10	0.5	0
16/01/2023 07:00	0.2	162	15	0.8	0
16/01/2023 07:10	0.2	116	7	0.9	0
16/01/2023 07:20	0.3	133	14	0.8	0
16/01/2023 07:30	0.4	161	28	1.2	0
16/01/2023 07:40	0.6	130	48	1.6	0
16/01/2023 07:50	1.3	147	45	2.4	0
16/01/2023 08:00	1.4	155	34	2.5	0
16/01/2023 08:10	2.3	132	31	4	0
16/01/2023 08:20	3.4	97	22	5	0
16/01/2023 08:30	3.6	100	16	4.9	0
16/01/2023 08:40	3.8	104	17	5.6	0
16/01/2023 08:50	3.8	95	15	6.4	0
16/01/2023 09:00	3.9	96	14	5.4	0
16/01/2023 09:10	4.3	88	12	6.6	0
16/01/2023 09:20	4.2	82	15	5.9	0
16/01/2023 09:30	4.4	76	13	6.2	0
16/01/2023 09:40	4.5	78	13	6	0
16/01/2023 09:50	4.8	76	13	6.4	0
16/01/2023 10:00	4.7	69	13	6.7	0
16/01/2023 10:10	4.5	74	14	6.1	0
16/01/2023 10:20	4.8	69	13	6.7	0
16/01/2023 10:30	4.8	62	14	6.4	0
16/01/2023 10:40	5	69	11	6.9	0
16/01/2023 10:50	4.6	68	14	5.9	0
16/01/2023 11:00	4.4	51	17	5.8	0
16/01/2023 11:10	3.5	188	27	5.1	0
16/01/2023 11:20	3.6	331	20	5.2	0
16/01/2023 11:30	4.4	327	17	6	0
16/01/2023 11:40	4	346	16	5.4	0
16/01/2023 11:50	3.8	346	19	5.3	0
16/01/2023 12:00	4	347	18	5.6	0
16/01/2023 12:10	4.1	347	16	5.9	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/01/2023 12:20	3.9	340	19	5.5	0
16/01/2023 12:30	4.2	348	18	5.6	0
16/01/2023 12:40	4.1	351	19	6.1	0
16/01/2023 12:50	3.8	345	19	5.5	0
16/01/2023 13:00	4	335	18	6.4	0
16/01/2023 13:10	4.4	347	20	6.5	0
16/01/2023 13:20	4.3	334	21	5.7	0
16/01/2023 13:30	5.5	305	14	8	0
16/01/2023 13:40	5.8	303	14	7.8	0
16/01/2023 13:50	5.4	307	16	8.5	0
16/01/2023 14:00	4	317	26	7.6	0
16/01/2023 14:10	4.4	334	26	7.1	0
16/01/2023 14:20	4.3	312	17	6.2	0
16/01/2023 14:30	4.5	319	21	7.1	0
16/01/2023 14:40	4.9	308	19	8.4	0
16/01/2023 14:50	4.6	306	15	6.9	0
16/01/2023 15:00	5.6	306	15	7.5	0
16/01/2023 15:10	6.3	299	12	8.4	0
16/01/2023 15:20	5.6	305	15	7.5	0
16/01/2023 15:30	5.8	300	14	8	0
16/01/2023 15:40	5.7	299	11	7.8	0
16/01/2023 15:50	6.2	296	10	8.3	0
16/01/2023 16:00	5.9	292	13	7.9	0
16/01/2023 16:10	5.8	293	11	7.3	0
16/01/2023 16:20	5.7	283	14	7.5	0
16/01/2023 16:30	5.9	296	13	7.9	0
16/01/2023 16:40	6.2	293	12	7.7	0
16/01/2023 16:50	5.7	295	12	7.9	0
16/01/2023 17:00	5.5	287	13	7.2	0
16/01/2023 17:10	4.7	286	15	6.6	0
16/01/2023 17:20	5.4	288	12	7.5	0
16/01/2023 17:30	4.8	287	15	6.5	0
16/01/2023 17:40	4.7	273	16	6.5	0
16/01/2023 17:50	4.6	280	17	6.1	0
16/01/2023 18:00	4.1	279	13	5.8	0
16/01/2023 18:10	4.8	254	16	6.8	0
16/01/2023 18:20	5.5	252	12	7.1	0
16/01/2023 18:30	5	257	14	6.4	0
16/01/2023 18:40	5.1	256	13	6.7	0
16/01/2023 18:50	5	252	14	6.9	0
16/01/2023 19:00	5.3	258	10	6.9	0
16/01/2023 19:10	4.9	262	11	6.6	0
16/01/2023 19:20	5.2	264	10	6.9	0
16/01/2023 19:30	4.9	260	9	6.4	0
16/01/2023 19:40	4.4	265	13	6.4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/01/2023 19:50	4.4	273	14	6	0
16/01/2023 20:00	4.3	264	12	5.6	0
16/01/2023 20:10	4.3	270	13	5.7	0
16/01/2023 20:20	4.1	263	11	5.4	0
16/01/2023 20:30	4.7	261	10	6.3	0
16/01/2023 20:40	4.5	272	14	5.8	0
16/01/2023 20:50	3.9	267	13	5.2	0
16/01/2023 21:00	4.1	268	14	5.3	0
16/01/2023 21:10	4.1	261	11	5.3	0
16/01/2023 21:20	4.3	263	10	5.4	0
16/01/2023 21:30	4.9	263	12	6.9	0
16/01/2023 21:40	4.1	254	13	5.6	0
16/01/2023 21:50	4.5	263	10	6	0
16/01/2023 22:00	4.6	263	11	5.8	0
16/01/2023 22:10	4	269	15	5.2	0
16/01/2023 22:20	3.9	269	13	5.3	0
16/01/2023 22:30	4.1	259	11	5.3	0
16/01/2023 22:40	4.4	267	11	5.8	0
16/01/2023 22:50	5	259	10	6.9	0
16/01/2023 23:00	5.2	261	10	6.3	0
16/01/2023 23:10	4.7	261	9	5.9	0
16/01/2023 23:20	4.8	262	9	6.4	0
16/01/2023 23:30	4.8	259	11	6.1	0
16/01/2023 23:40	4.2	261	10	5.3	0
16/01/2023 23:50	4.3	254	10	5.6	0
17/01/2023 00:00	4.1	255	13	5.3	0
17/01/2023 00:10	4.3	255	10	5.6	0
17/01/2023 00:20	4.2	257	12	5.2	0
17/01/2023 00:30	3.5	255	11	4.7	0
17/01/2023 00:40	3.9	259	12	4.9	0
17/01/2023 00:50	3.7	250	12	5	0
17/01/2023 01:00	3.1	246	11	3.9	0
17/01/2023 01:10	3.1	250	12	4.2	0
17/01/2023 01:20	3	252	13	3.9	0
17/01/2023 01:30	2.9	253	12	3.9	0
17/01/2023 01:40	3.6	251	12	4.9	0
17/01/2023 01:50	3.5	248	11	4.8	0
17/01/2023 02:00	3	247	14	4	0
17/01/2023 02:10	3.1	253	11	4.2	0
17/01/2023 02:20	3.1	256	11	4	0
17/01/2023 02:30	2.9	259	11	3.6	0
17/01/2023 02:40	3	260	11	4.2	0
17/01/2023 02:50	3.7	262	10	4.6	0
17/01/2023 03:00	3.1	260	9	3.8	0
17/01/2023 03:10	3.1	254	10	3.8	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/01/2023 03:20	2.6	260	9	3.6	0
17/01/2023 03:30	3	263	9	3.7	0
17/01/2023 03:40	2.8	263	9	3.6	0
17/01/2023 03:50	2.7	260	8	3.3	0
17/01/2023 04:00	2.7	264	10	3.4	0
17/01/2023 04:10	2.5	269	12	3.4	0
17/01/2023 04:20	2.5	283	16	3.6	0
17/01/2023 04:30	2.6	269	13	3.2	0
17/01/2023 04:40	2.8	274	11	3.8	0
17/01/2023 04:50	2.6	276	15	4	0
17/01/2023 05:00	2.8	289	13	4.1	0
17/01/2023 05:10	3.8	298	9	4.8	0
17/01/2023 05:20	3.3	295	13	4.8	0
17/01/2023 05:30	3.3	291	13	4.4	0
17/01/2023 05:40	3.3	290	12	4.4	0
17/01/2023 05:50	3.6	300	10	4.8	0
17/01/2023 06:00	3.2	298	11	4.4	0
17/01/2023 06:10	3.4	294	10	4.9	0
17/01/2023 06:20	3.1	293	10	4.1	0
17/01/2023 06:30	3.3	297	11	4.4	0
17/01/2023 06:40	3.4	297	12	4.8	0
17/01/2023 06:50	3.6	296	12	5.2	0
17/01/2023 07:00	3.7	298	12	4.8	0
17/01/2023 07:10	4	295	12	5.2	0
17/01/2023 07:20	3.9	300	10	5.2	0
17/01/2023 07:30	4.4	293	11	5.6	0
17/01/2023 07:40	4.6	296	9	5.8	0
17/01/2023 07:50	4.5	299	9	5.6	0
17/01/2023 08:00	4	295	13	5.6	0
17/01/2023 08:10	4.2	294	12	5.6	0
17/01/2023 08:20	4.3	299	10	5.6	0
17/01/2023 08:30	4.7	292	13	6.4	0
17/01/2023 08:40	4.5	293	12	6.1	0
17/01/2023 08:50	4.3	292	13	6	0
17/01/2023 09:00	4.7	293	12	6	0
17/01/2023 09:10	5.1	295	10	6.8	0
17/01/2023 09:20	5.2	296	12	6.9	0
17/01/2023 09:30	5.6	293	12	7.1	0
17/01/2023 09:40	5	297	12	6.4	0
17/01/2023 09:50	5.2	288	15	7	0
17/01/2023 10:00	4.9	297	15	6.4	0
17/01/2023 10:10	4.9	295	14	6.5	0
17/01/2023 10:20	5.4	286	14	7.3	0
17/01/2023 10:30	5.4	294	12	7.2	0
17/01/2023 10:40	4.7	297	15	6.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/01/2023 10:50	5.2	297	12	6.8	0
17/01/2023 11:00	5	293	19	6.7	0
17/01/2023 11:10	5.4	299	13	7.1	0
17/01/2023 11:20	5	304	15	6.9	0
17/01/2023 11:30	5	312	17	7.1	0
17/01/2023 11:40	5.3	304	15	7.1	0
17/01/2023 11:50	5.4	306	14	7.4	0
17/01/2023 12:00	5.3	301	12	7.1	0
17/01/2023 12:10	5.3	304	14	7.2	0
17/01/2023 12:20	5.2	305	16	7.3	0
17/01/2023 12:30	5.4	302	14	7.4	0
17/01/2023 12:40	5.8	299	13	7.6	0
17/01/2023 12:50	5.5	304	14	7.2	0
17/01/2023 13:00	5.7	297	12	8.3	0
17/01/2023 13:10	5.6	296	16	7.3	0
17/01/2023 13:20	5.8	298	12	8.3	0
17/01/2023 13:30	5.4	297	14	6.9	0
17/01/2023 13:40	4.9	303	17	7.4	0
17/01/2023 13:50	5.1	298	16	7.1	0
17/01/2023 14:00	4.9	297	18	7.2	0
17/01/2023 14:10	5	307	15	7.2	0
17/01/2023 14:20	5.2	306	15	7.1	0
17/01/2023 14:30	5.8	299	10	7.7	0
17/01/2023 14:40	5.4	311	14	7.2	0
17/01/2023 14:50	5.8	302	14	7.5	0
17/01/2023 15:00	5.5	297	14	7.1	0
17/01/2023 15:10	5.5	296	15	7.7	0
17/01/2023 15:20	5.6	297	13	7.5	0
17/01/2023 15:30	5.4	302	14	7.4	0
17/01/2023 15:40	5.8	292	16	7.9	0
17/01/2023 15:50	5.6	293	13	7.6	0
17/01/2023 16:00	5.4	298	13	7.2	0
17/01/2023 16:10	5.5	299	15	7.2	0
17/01/2023 16:20	5.8	297	14	7.3	0
17/01/2023 16:30	5.3	293	15	7.2	0
17/01/2023 16:40	5	290	14	7	0
17/01/2023 16:50	6	260	16	7.9	0
17/01/2023 17:00	6	255	13	8.1	0
17/01/2023 17:10	5.4	262	12	7.2	0
17/01/2023 17:20	6.1	263	11	7.8	0
17/01/2023 17:30	5.7	268	13	7.7	0
17/01/2023 17:40	6.2	265	11	7.5	0
17/01/2023 17:50	5.6	262	11	7.2	0
17/01/2023 18:00	5.4	268	13	7	0
17/01/2023 18:10	5	260	11	6.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/01/2023 18:20	5	256	13	6.3	0
17/01/2023 18:30	4.7	265	12	6.3	0
17/01/2023 18:40	4	266	14	5.5	0
17/01/2023 18:50	4.1	274	16	6	0
17/01/2023 19:00	5.2	299	9	6.6	0
17/01/2023 19:10	4.8	294	11	7	0
17/01/2023 19:20	4.1	280	16	6.3	0
17/01/2023 19:30	4	279	18	5.4	0
17/01/2023 19:40	4.2	272	13	5.8	0
17/01/2023 19:50	3.8	274	13	5.2	0
17/01/2023 20:00	3.7	277	16	4.9	0
17/01/2023 20:10	3.5	275	18	5	0
17/01/2023 20:20	3.4	285	14	4.8	0
17/01/2023 20:30	3.3	277	18	4.5	0
17/01/2023 20:40	3.4	279	14	4.5	0
17/01/2023 20:50	3.7	270	13	4.8	0
17/01/2023 21:00	4	273	12	5.3	0
17/01/2023 21:10	4.2	264	15	6	0
17/01/2023 21:20	4.6	262	10	5.7	0
17/01/2023 21:30	4.7	263	11	6.2	0
17/01/2023 21:40	5.4	254	10	7.3	0
17/01/2023 21:50	4.4	253	12	6.3	0
17/01/2023 22:00	4.3	257	10	6.4	0
17/01/2023 22:10	4.1	264	10	5.3	0
17/01/2023 22:20	3.9	263	10	5.2	0
17/01/2023 22:30	4	262	11	5.3	0
17/01/2023 22:40	3.8	268	12	5.3	0
17/01/2023 22:50	4.4	263	10	5.7	0
17/01/2023 23:00	4.9	265	10	6.6	0
17/01/2023 23:10	4.8	263	9	6.4	0
17/01/2023 23:20	4.6	266	11	6.3	0
17/01/2023 23:30	4.3	264	10	5.3	0
17/01/2023 23:40	5.1	262	9	6.4	0
17/01/2023 23:50	4.7	262	9	6.1	0
18/01/2023 00:00	4.8	262	10	6	0
18/01/2023 00:10	4.9	263	9	6.3	0
18/01/2023 00:20	4.6	265	9	6.4	0
18/01/2023 00:30	5	264	9	6.8	0
18/01/2023 00:40	5.2	263	10	6.8	0
18/01/2023 00:50	5.2	265	11	6.7	0
18/01/2023 01:00	4.6	272	11	6	0
18/01/2023 01:10	4.8	276	13	6.2	0
18/01/2023 01:20	4.5	269	14	5.9	0
18/01/2023 01:30	4.5	263	9	6.6	0
18/01/2023 01:40	4.2	268	13	5.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/01/2023 01:50	4	272	12	5.1	0
18/01/2023 02:00	4.6	269	13	5.8	0
18/01/2023 02:10	3.9	267	12	5.1	0
18/01/2023 02:20	4.1	267	11	5.3	0
18/01/2023 02:30	3.8	276	12	5.2	0
18/01/2023 02:40	3.9	274	12	5.2	0
18/01/2023 02:50	3.7	270	14	5	0
18/01/2023 03:00	3.3	286	16	5.2	0
18/01/2023 03:10	3.8	284	15	5.2	0
18/01/2023 03:20	3.9	266	13	5.2	0
18/01/2023 03:30	3.8	269	14	5.2	0
18/01/2023 03:40	3.8	267	12	5.1	0
18/01/2023 03:50	3.7	269	13	5.1	0
18/01/2023 04:00	3.8	274	15	5.2	0
18/01/2023 04:10	3.7	282	15	5.4	0
18/01/2023 04:20	3.8	282	15	5.1	0
18/01/2023 04:30	4.3	285	16	5.9	0
18/01/2023 04:40	3.4	275	16	5.2	0
18/01/2023 04:50	3.7	281	14	5.2	0
18/01/2023 05:00	3.7	283	17	5.3	0
18/01/2023 05:10	3.3	265	14	4.3	0
18/01/2023 05:20	4.1	281	12	5.5	0
18/01/2023 05:30	3.5	280	16	5.2	0
18/01/2023 05:40	3.3	278	15	5	0
18/01/2023 05:50	3.1	279	17	4.4	0
18/01/2023 06:00	3	262	12	3.9	0
18/01/2023 06:10	2.9	263	11	3.6	0
18/01/2023 06:20	3.5	282	17	4.7	0
18/01/2023 06:30	3.4	266	16	4.4	0
18/01/2023 06:40	2.9	270	14	4.3	0
18/01/2023 06:50	3	275	17	4.5	0
18/01/2023 07:00	3.3	271	13	4.4	0
18/01/2023 07:10	3.1	275	17	4.3	0
18/01/2023 07:20	2.3	272	15	3.5	0
18/01/2023 07:30	2.7	276	19	3.6	0
18/01/2023 07:40	2.6	287	17	3.4	0
18/01/2023 07:50	2.1	299	21	3.2	0
18/01/2023 08:00	2.3	287	21	3.5	0
18/01/2023 08:10	2.4	278	20	3.9	0
18/01/2023 08:20	2.2	292	24	3.5	0
18/01/2023 08:30	1.9	297	21	3.2	0
18/01/2023 08:40	2.5	303	14	3.6	0
18/01/2023 08:50	2.3	306	33	3.7	0
18/01/2023 09:00	3.1	292	27	4.4	0
18/01/2023 09:10	3.7	299	13	4.7	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/01/2023 09:20	2.6	306	23	4.1	0
18/01/2023 09:30	2.7	338	25	4.3	0
18/01/2023 09:40	2.7	349	25	4.4	0
18/01/2023 09:50	2.6	176	32	3.8	0
18/01/2023 10:00	2.6	178	36	4.1	0
18/01/2023 10:10	2.9	16	19	4.4	0
18/01/2023 10:20	2.8	192	21	4.2	0
18/01/2023 10:30	2.5	354	31	4.1	0
18/01/2023 10:40	2.4	4	29	4.1	0
18/01/2023 10:50	2.6	180	31	4	0
18/01/2023 11:00	2.4	185	30	4	0
18/01/2023 11:10	3.4	353	23	4.9	0
18/01/2023 11:20	3.6	181	23	5.6	0
18/01/2023 11:30	3.9	357	27	5.9	0
18/01/2023 11:40	4.2	185	28	6.5	0
18/01/2023 11:50	4.5	24	21	6.9	0
18/01/2023 12:00	4.4	28	19	6.8	0
18/01/2023 12:10	4.3	186	23	6.8	0
18/01/2023 12:20	4.8	352	23	7.2	0
18/01/2023 12:30	4.7	346	20	6.9	0
18/01/2023 12:40	4.5	174	20	7.2	0
18/01/2023 12:50	3.9	5	21	6	0
18/01/2023 13:00	3.7	16	21	5.4	0
18/01/2023 13:10	3.3	26	26	5.5	0
18/01/2023 13:20	3	16	32	4.6	0
18/01/2023 13:30	3.5	321	31	5.3	0
18/01/2023 13:40	4.9	289	16	6.5	0
18/01/2023 13:50	4.2	288	15	5.6	0
18/01/2023 14:00	4.4	293	15	6.2	0
18/01/2023 14:10	3.8	300	15	5.6	0
18/01/2023 14:20	2.7	329	40	4.4	0
18/01/2023 14:30	2.9	342	39	5	0
18/01/2023 14:40	2.4	166	34	5	0
18/01/2023 14:50	2.7	358	29	4.4	0
18/01/2023 15:00	3.2	6	20	5.2	0
18/01/2023 15:10	3.4	176	18	5.1	0
18/01/2023 15:20	3.3	353	24	5	0
18/01/2023 15:30	3.8	21	26	5.6	0
18/01/2023 15:40	3.6	353	20	5.6	0
18/01/2023 15:50	3.5	182	18	5.2	0
18/01/2023 16:00	3.3	8	19	4.7	0
18/01/2023 16:10	2.9	14	22	4.7	0
18/01/2023 16:20	3.3	4	28	5.6	0
18/01/2023 16:30	4	6	22	6.3	0
18/01/2023 16:40	4.8	352	24	7.5	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/01/2023 16:50	4.6	178	20	7.1	0
18/01/2023 17:00	5.1	358	19	7.3	0
18/01/2023 17:10	4.6	181	19	6.4	0
18/01/2023 17:20	4.3	182	22	6.8	0
18/01/2023 17:30	4.3	183	20	6.8	0
18/01/2023 17:40	4.8	182	16	7.1	0
18/01/2023 17:50	4.7	352	20	7.1	0
18/01/2023 18:00	4.2	177	23	6.6	0
18/01/2023 18:10	3.2	338	28	6	0
18/01/2023 18:20	3.3	328	33	6.6	0
18/01/2023 18:30	4	314	17	6.5	0
18/01/2023 18:40	5.7	299	11	7.8	0
18/01/2023 18:50	4.8	301	14	6.7	0
18/01/2023 19:00	5.1	298	12	6.9	0
18/01/2023 19:10	4.8	295	13	6.4	0
18/01/2023 19:20	4	286	13	5.7	0
18/01/2023 19:30	3.9	287	15	5.9	0
18/01/2023 19:40	4.1	291	12	5.5	0
18/01/2023 19:50	4.2	289	12	5.6	0
18/01/2023 20:00	4.1	287	13	5.9	0
18/01/2023 20:10	4.1	280	13	5.8	0
18/01/2023 20:20	4	285	13	5.3	0
18/01/2023 20:30	4	284	15	5.4	0
18/01/2023 20:40	3.9	279	15	5.6	0
18/01/2023 20:50	4.2	268	10	5.9	0
18/01/2023 21:00	3.9	275	13	5.2	0
18/01/2023 21:10	3.8	268	11	5.4	0
18/01/2023 21:20	4.2	265	11	5.5	0
18/01/2023 21:30	4.4	263	10	5.7	0
18/01/2023 21:40	4.2	265	12	5.8	0
18/01/2023 21:50	4.1	265	12	5.6	0
18/01/2023 22:00	4.3	256	11	5.4	0
18/01/2023 22:10	3.7	261	11	5.1	0
18/01/2023 22:20	3.4	267	13	4.8	0
18/01/2023 22:30	4	260	10	5	0
18/01/2023 22:40	3.9	261	9	5.2	0
18/01/2023 22:50	3.6	259	10	4.4	0
18/01/2023 23:00	3	262	12	4	0
18/01/2023 23:10	2.4	279	17	3.6	0
18/01/2023 23:20	3.2	266	11	4.4	0
18/01/2023 23:30	3.1	272	14	4.5	0
18/01/2023 23:40	3.1	287	13	4.4	0
18/01/2023 23:50	3.3	280	14	4.6	0
19/01/2023 00:00	3.2	280	14	4.1	0
19/01/2023 00:10	3.4	265	11	4.5	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/01/2023 00:20	3.1	265	12	3.9	0
19/01/2023 00:30	3	270	15	4	0
19/01/2023 00:40	3.2	261	9	4.1	0
19/01/2023 00:50	3.1	261	10	4	0
19/01/2023 01:00	3.1	257	10	4.3	0
19/01/2023 01:10	3.2	254	11	4.5	0
19/01/2023 01:20	3.1	260	9	4	0
19/01/2023 01:30	3.1	258	10	4.4	0
19/01/2023 01:40	2.8	256	11	3.6	0
19/01/2023 01:50	2.8	245	12	3.8	0
19/01/2023 02:00	2.6	259	10	3.6	0
19/01/2023 02:10	2.3	261	13	3.1	0
19/01/2023 02:20	2.5	256	12	3.3	0
19/01/2023 02:30	2.2	258	11	2.8	0
19/01/2023 02:40	2.4	251	12	3.2	0
19/01/2023 02:50	2.4	226	19	3.2	0
19/01/2023 03:00	2.6	226	14	3.5	0
19/01/2023 03:10	2.9	231	13	4.4	0
19/01/2023 03:20	3	239	12	4.5	0
19/01/2023 03:30	3.1	231	12	4.1	0.2
19/01/2023 03:40	3	246	12	4.5	0
19/01/2023 03:50	1.7	243	14	2.9	0
19/01/2023 04:00	1	224	31	2.2	0
19/01/2023 04:10	1.1	268	39	1.9	0
19/01/2023 04:20	2.8	219	12	3.6	0.2
19/01/2023 04:30	2.5	251	11	3.4	0.2
19/01/2023 04:40	2.2	255	8	3	0.3
19/01/2023 04:50	1.5	255	9	2	0
19/01/2023 05:00	1.1	278	12	1.4	0
19/01/2023 05:10	1.3	263	12	1.8	0
19/01/2023 05:20	1.3	306	17	1.7	0
19/01/2023 05:30	1.1	186	19	1.8	0
19/01/2023 05:40	1.6	271	16	2.4	0
19/01/2023 05:50	0.9	216	7	1.6	0
19/01/2023 06:00	0.8	15	7	1.3	0
19/01/2023 06:10	0.5	239	7	1.2	0
19/01/2023 06:20	0.1	55	10	0.6	0
19/01/2023 06:30	0.3	271	13	0.9	0
19/01/2023 06:40	0.5	174	9	1	0
19/01/2023 06:50	2.1	64	9	3.3	0
19/01/2023 07:00	4	61	10	6.3	0
19/01/2023 07:10	3.7	60	11	5.5	0
19/01/2023 07:20	4.4	66	8	6.7	0.3
19/01/2023 07:30	1.9	64	12	2.7	0.3
19/01/2023 07:40	1	76	14	1.5	0.2



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/01/2023 07:50	0.9	46	11	1.3	0.1
19/01/2023 08:00	1.7	86	12	2.6	0.1
19/01/2023 08:10	2	68	15	3.2	0
19/01/2023 08:20	1.6	77	10	2.3	0.1
19/01/2023 08:30	3.2	70	9	4.5	0
19/01/2023 08:40	4	62	10	5.4	0
19/01/2023 08:50	4.4	70	10	6.5	0
19/01/2023 09:00	4.8	67	11	6.5	0
19/01/2023 09:10	4.6	63	11	6.3	0.1
19/01/2023 09:20	4.3	64	9	5.6	0.1
19/01/2023 09:30	3.8	68	10	5.6	0.2
19/01/2023 09:40	4.7	88	10	6.8	0.2
19/01/2023 09:50	4.1	86	10	5.9	0.1
19/01/2023 10:00	4.4	98	10	5.8	0.2
19/01/2023 10:10	4.3	91	11	5.8	0
19/01/2023 10:20	4.9	95	12	7.3	0
19/01/2023 10:30	5.2	90	10	6.8	0.3
19/01/2023 10:40	4.5	91	11	6	0.2
19/01/2023 10:50	4.8	93	11	7.4	0.2
19/01/2023 11:00	4.8	90	12	6.4	0.1
19/01/2023 11:10	5.3	100	11	7.5	0
19/01/2023 11:20	4.7	98	12	6.8	0
19/01/2023 11:30	4.5	106	12	6.2	0
19/01/2023 11:40	4.6	105	13	6	0
19/01/2023 11:50	4.7	91	13	6.5	0.3
19/01/2023 12:00	5.4	86	11	7.4	0
19/01/2023 12:10	4.9	93	11	7	0.2
19/01/2023 12:20	5.7	92	11	7.6	0
19/01/2023 12:30	5.6	89	12	7.5	0
19/01/2023 12:40	5.9	89	11	8.4	0
19/01/2023 12:50	6.3	87	11	8.6	0
19/01/2023 13:00	6.4	85	10	8.6	0
19/01/2023 13:10	6.2	89	13	8.8	0
19/01/2023 13:20	6.1	82	12	7.8	0
19/01/2023 13:30	6.1	85	11	8.9	0
19/01/2023 13:40	6.1	85	12	8.5	0
19/01/2023 13:50	5.9	82	11	7.8	0
19/01/2023 14:00	5.8	77	13	7.8	0
19/01/2023 14:10	5.6	77	14	7.5	0
19/01/2023 14:20	5.2	73	13	7.2	0
19/01/2023 14:30	5	79	11	7.2	0
19/01/2023 14:40	4.6	67	15	6.9	0
19/01/2023 14:50	4.6	62	13	6	0
19/01/2023 15:00	4.6	61	13	7	0
19/01/2023 15:10	4.9	58	15	6.6	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/01/2023 15:20	5.1	55	10	6.7	0
19/01/2023 15:30	4.4	65	13	5.7	0
19/01/2023 15:40	3.7	51	15	5.1	0
19/01/2023 15:50	3.6	53	15	4.8	0
19/01/2023 16:00	4.3	65	16	5.8	0
19/01/2023 16:10	4.3	72	12	6.2	0
19/01/2023 16:20	4.7	71	10	6.4	0
19/01/2023 16:30	4.8	68	13	6.3	0
19/01/2023 16:40	4.8	61	12	6.4	0
19/01/2023 16:50	4.9	67	13	6.7	0
19/01/2023 17:00	5.1	67	11	6.4	0
19/01/2023 17:10	4.9	64	12	6.3	0
19/01/2023 17:20	4.6	52	11	5.8	0
19/01/2023 17:30	4.3	50	11	5.9	0
19/01/2023 17:40	4.3	51	14	5.6	0
19/01/2023 17:50	4.2	50	15	5.3	0
19/01/2023 18:00	3.8	42	11	5.4	0
19/01/2023 18:10	2.7	19	19	4	0
19/01/2023 18:20	2.7	15	19	4.4	0
19/01/2023 18:30	3.1	15	20	4.8	0
19/01/2023 18:40	3.3	22	16	4.8	0
19/01/2023 18:50	3	18	18	4.2	0
19/01/2023 19:00	2.6	11	23	4.4	0
19/01/2023 19:10	2.4	22	25	3.6	0
19/01/2023 19:20	2.2	24	22	4.3	0
19/01/2023 19:30	1.9	167	29	3.8	0
19/01/2023 19:40	2.9	307	21	4.4	0
19/01/2023 19:50	3.7	297	12	4.9	0
19/01/2023 20:00	4	296	12	5.3	0
19/01/2023 20:10	3.8	294	14	5.5	0
19/01/2023 20:20	4	285	13	5.1	0
19/01/2023 20:30	3.3	280	16	4.6	0
19/01/2023 20:40	3.6	287	13	5	0
19/01/2023 20:50	3.8	285	15	5.1	0
19/01/2023 21:00	3.4	275	15	4.6	0
19/01/2023 21:10	3	274	16	4.2	0
19/01/2023 21:20	3.3	267	11	4.4	0
19/01/2023 21:30	2.1	139	26	3.6	0
19/01/2023 21:40	2	190	26	3.3	0
19/01/2023 21:50	2.8	18	16	4.3	0
19/01/2023 22:00	2.9	19	14	4.1	0
19/01/2023 22:10	2.6	19	16	4.3	0
19/01/2023 22:20	2.3	25	19	3.6	0
19/01/2023 22:30	2.3	27	17	3.5	0
19/01/2023 22:40	1.7	14	18	2.8	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/01/2023 22:50	1.6	174	24	2.6	0
19/01/2023 23:00	0.9	179	22	2.8	0
19/01/2023 23:10	1.4	265	28	2.6	0
19/01/2023 23:20	1.2	317	17	2.3	0
19/01/2023 23:30	1	260	19	2.3	0
19/01/2023 23:40	2.1	275	16	3.5	0
19/01/2023 23:50	2.7	268	14	3.6	0
20/01/2023 00:00	3.5	269	11	4.8	0
20/01/2023 00:10	3.4	264	10	4.4	0
20/01/2023 00:20	3.3	260	11	4.8	0
20/01/2023 00:30	3.7	260	10	4.8	0
20/01/2023 00:40	3.8	261	10	5.1	0
20/01/2023 00:50	3.8	259	11	4.7	0
20/01/2023 01:00	3.4	251	13	4.8	0
20/01/2023 01:10	2.8	223	13	4	0
20/01/2023 01:20	2.5	221	21	3.5	0
20/01/2023 01:30	2.8	214	17	3.9	0
20/01/2023 01:40	3	216	17	4	0
20/01/2023 01:50	2.3	216	18	3.5	0
20/01/2023 02:00	2.6	225	19	4.3	0.1
20/01/2023 02:10	2.3	225	22	3.5	0.9
20/01/2023 02:20	0.5	199	56	1.5	0.3
20/01/2023 02:30	0.7	221	41	1.5	0
20/01/2023 02:40	2.2	276	19	3.9	0
20/01/2023 02:50	3.6	296	19	6.1	0.1
20/01/2023 03:00	3.5	285	14	6.3	0
20/01/2023 03:10	3.2	289	20	4.8	0.3
20/01/2023 03:20	3.3	284	12	5.1	0
20/01/2023 03:30	4.7	292	11	6.4	0.1
20/01/2023 03:40	4.2	287	14	5.7	0
20/01/2023 03:50	3.8	275	13	5.8	0
20/01/2023 04:00	3.6	265	11	5.2	0
20/01/2023 04:10	2.8	269	11	3.6	0
20/01/2023 04:20	2.7	268	11	3.4	0.1
20/01/2023 04:30	2.7	269	13	3.9	0.1
20/01/2023 04:40	3.5	270	11	4.4	0
20/01/2023 04:50	3.2	265	10	4.2	0
20/01/2023 05:00	3.8	259	10	4.6	0
20/01/2023 05:10	3.3	259	11	4.2	0
20/01/2023 05:20	3	262	11	3.8	0
20/01/2023 05:30	3.1	247	11	4.1	0
20/01/2023 05:40	2.6	243	9	3.4	0
20/01/2023 05:50	2.7	249	12	3.6	0
20/01/2023 06:00	2.6	248	12	3.9	0
20/01/2023 06:10	3.1	241	11	4.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/01/2023 06:20	3.2	238	12	4.4	0
20/01/2023 06:30	2.8	251	12	3.9	0
20/01/2023 06:40	3.2	243	12	4.4	0
20/01/2023 06:50	3	244	15	4.1	0
20/01/2023 07:00	3.5	241	12	4.8	0
20/01/2023 07:10	3.5	233	15	5.1	0
20/01/2023 07:20	3.9	222	16	5.2	0
20/01/2023 07:30	3.7	221	14	5	0
20/01/2023 07:40	3.1	232	18	4.3	0
20/01/2023 07:50	3.3	228	16	4.9	0
20/01/2023 08:00	3.1	245	13	4.3	0
20/01/2023 08:10	3.2	250	17	4.8	0
20/01/2023 08:20	3.2	264	15	4.4	0
20/01/2023 08:30	3.2	258	13	4	0
20/01/2023 08:40	3.5	264	14	4.8	0
20/01/2023 08:50	3.3	261	11	4.3	0
20/01/2023 09:00	3.1	263	10	4	0
20/01/2023 09:10	3.4	259	13	4.4	0
20/01/2023 09:20	3.3	265	12	4.3	0
20/01/2023 09:30	3.4	266	15	4.6	0
20/01/2023 09:40	2.3	290	23	3.1	0
20/01/2023 09:50	2.2	309	23	3.2	0
20/01/2023 10:00	2.3	306	17	3.6	0
20/01/2023 10:10	2.4	293	21	4	0
20/01/2023 10:20	2.8	295	14	4.4	0
20/01/2023 10:30	3.5	293	13	5.2	0
20/01/2023 10:40	3.6	297	12	5.1	0
20/01/2023 10:50	3.5	298	12	4.5	0
20/01/2023 11:00	3.4	302	14	5.1	0
20/01/2023 11:10	3.8	301	13	5.2	0
20/01/2023 11:20	3.7	306	18	5.2	0
20/01/2023 11:30	3.8	301	19	5.8	0
20/01/2023 11:40	3	318	27	5	0
20/01/2023 11:50	2.5	355	19	3.7	0
20/01/2023 12:00	2.5	351	24	3.8	0
20/01/2023 12:10	2.9	357	25	4.4	0
20/01/2023 12:20	3.1	181	23	4.5	0
20/01/2023 12:30	3.1	354	23	4.4	0
20/01/2023 12:40	2.9	177	23	4.6	0
20/01/2023 12:50	3.4	354	20	5.6	0
20/01/2023 13:00	3.2	351	23	5	0
20/01/2023 13:10	3.5	336	21	4.7	0
20/01/2023 13:20	3.8	354	21	5.2	0
20/01/2023 13:30	3.9	346	25	5.6	0
20/01/2023 13:40	3.6	348	24	5.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/01/2023 13:50	3.7	182	23	5.3	0
20/01/2023 14:00	3.9	180	20	5.5	0
20/01/2023 14:10	3.8	180	21	5.6	0
20/01/2023 14:20	3.7	348	24	5.3	0
20/01/2023 14:30	3.8	343	27	5.8	0
20/01/2023 14:40	3.6	354	22	5.3	0
20/01/2023 14:50	3.5	25	21	5.7	0
20/01/2023 15:00	3.7	30	27	5.9	0
20/01/2023 15:10	3.9	190	26	6	0
20/01/2023 15:20	3.1	18	31	5.2	0
20/01/2023 15:30	4.5	8	22	6.7	0
20/01/2023 15:40	4.7	356	26	7.2	0
20/01/2023 15:50	4.2	350	26	6.8	0
20/01/2023 16:00	3.7	342	32	5.7	0
20/01/2023 16:10	4	311	22	6.8	0
20/01/2023 16:20	4.8	325	26	7.6	0
20/01/2023 16:30	4.4	315	27	6.6	0
20/01/2023 16:40	5.7	296	12	7.5	0
20/01/2023 16:50	6	297	13	8.4	0
20/01/2023 17:00	5.7	300	11	7.8	0
20/01/2023 17:10	6.2	296	10	8.1	0
20/01/2023 17:20	5.6	296	12	7.2	0
20/01/2023 17:30	5.9	296	10	7.6	0
20/01/2023 17:40	4.9	291	14	6.7	0
20/01/2023 17:50	4.9	283	16	6.9	0
20/01/2023 18:00	4.4	278	17	6	0
20/01/2023 18:10	4.9	267	13	6.3	0
20/01/2023 18:20	4.3	279	16	6.2	0
20/01/2023 18:30	4.3	285	16	6.3	0
20/01/2023 18:40	4.1	281	18	5.6	0
20/01/2023 18:50	4	285	13	5.8	0
20/01/2023 19:00	3.8	272	15	5.3	0
20/01/2023 19:10	4.2	270	13	5.5	0
20/01/2023 19:20	3.7	273	13	5.3	0
20/01/2023 19:30	3.5	269	14	4.7	0
20/01/2023 19:40	3.4	259	13	4.8	0
20/01/2023 19:50	3.4	251	14	4.2	0
20/01/2023 20:00	3.1	253	14	4.5	0
20/01/2023 20:10	3.2	250	12	4.4	0
20/01/2023 20:20	3.7	254	11	5.3	0
20/01/2023 20:30	4.3	260	11	5.3	0
20/01/2023 20:40	3.9	266	14	5.3	0
20/01/2023 20:50	4	268	13	5.5	0
20/01/2023 21:00	3.3	269	13	4.8	0
20/01/2023 21:10	3.4	280	16	4.8	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/01/2023 21:20	4	284	14	5.5	0
20/01/2023 21:30	3.8	270	15	5.1	0
20/01/2023 21:40	3.5	270	15	4.7	0
20/01/2023 21:50	3.3	274	14	4.4	0
20/01/2023 22:00	3.5	263	11	4.9	0
20/01/2023 22:10	3.9	260	9	5	0
20/01/2023 22:20	3.6	258	11	4.8	0
20/01/2023 22:30	3.2	265	11	4.3	0
20/01/2023 22:40	3.2	263	10	4.4	0
20/01/2023 22:50	3.3	259	9	4.2	0
20/01/2023 23:00	3	252	13	4.3	0
20/01/2023 23:10	2.8	257	10	3.6	0
20/01/2023 23:20	2.6	252	12	3.6	0
20/01/2023 23:30	2.2	253	12	3	0
20/01/2023 23:40	2.2	254	12	3.2	0
20/01/2023 23:50	1.7	263	14	2.4	0
21/01/2023 00:00	1.3	271	16	1.9	0
21/01/2023 00:10	0.7	254	9	1.3	0
21/01/2023 00:20	0.4	291	5	0.9	0
21/01/2023 00:30	1.4	297	14	2.3	0
21/01/2023 00:40	1.5	286	19	2.5	0
21/01/2023 00:50	3.9	194	25	6	0
21/01/2023 01:00	3	92	17	4.1	0
21/01/2023 01:10	0.8	123	38	2	0
21/01/2023 01:20	0.9	166	28	2.7	0.6
21/01/2023 01:30	1.9	182	38	3.2	0.1
21/01/2023 01:40	1	185	28	2.4	0.1
21/01/2023 01:50	1.1	208	54	1.9	0
21/01/2023 02:00	1.4	218	37	2.3	0
21/01/2023 02:10	1.1	173	70	2.1	0
21/01/2023 02:20	0.9	217	80	1.7	0
21/01/2023 02:30	0.9	103	46	1.8	0
21/01/2023 02:40	1.7	130	16	2.6	0
21/01/2023 02:50	1.8	129	15	2.6	0
21/01/2023 03:00	1.4	128	16	2.2	0
21/01/2023 03:10	2.2	134	16	3	0
21/01/2023 03:20	2.2	138	15	3.2	0
21/01/2023 03:30	1.6	143	21	2.3	0
21/01/2023 03:40	1.9	143	20	2.6	0
21/01/2023 03:50	1.9	129	14	2.8	0
21/01/2023 04:00	1.5	138	17	2	0
21/01/2023 04:10	1.6	120	11	2.2	0
21/01/2023 04:20	1.2	121	13	1.7	0
21/01/2023 04:30	1	103	14	1.6	0
21/01/2023 04:40	2.1	100	12	3	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/01/2023 04:50	2.2	96	9	3	0
21/01/2023 05:00	1.7	71	22	2.6	0
21/01/2023 05:10	0.9	274	42	1.8	0
21/01/2023 05:20	0.3	244	26	0.9	0
21/01/2023 05:30	0.8	134	13	1.2	0
21/01/2023 05:40	0.7	135	14	1.1	0
21/01/2023 05:50	0.4	203	20	0.9	0
21/01/2023 06:00	0.6	130	26	1.1	0
21/01/2023 06:10	1.4	80	9	1.9	0
21/01/2023 06:20	1.6	119	16	2.4	0
21/01/2023 06:30	1.6	106	15	2.7	0
21/01/2023 06:40	2.7	83	10	3.8	0
21/01/2023 06:50	2.7	85	11	3.7	0
21/01/2023 07:00	2.5	78	11	3.6	0
21/01/2023 07:10	2.3	75	13	3.2	0
21/01/2023 07:20	2.8	67	12	3.6	0
21/01/2023 07:30	2.9	66	12	3.7	0
21/01/2023 07:40	3.5	64	12	4.5	0
21/01/2023 07:50	3.4	51	15	4.7	0
21/01/2023 08:00	3.4	61	13	4.9	0
21/01/2023 08:10	3.5	61	14	4.8	0
21/01/2023 08:20	3.1	60	15	4.6	0
21/01/2023 08:30	2.8	59	16	3.9	0
21/01/2023 08:40	3.7	86	16	5.3	0
21/01/2023 08:50	3.9	87	13	5.5	0
21/01/2023 09:00	4.5	88	14	6.4	0
21/01/2023 09:10	3.9	77	18	5.6	0
21/01/2023 09:20	4.1	81	14	5.6	0
21/01/2023 09:30	3.7	94	16	5.3	0
21/01/2023 09:40	3.7	74	17	6	0
21/01/2023 09:50	4.2	89	15	5.8	0
21/01/2023 10:00	4.1	91	12	5.5	0
21/01/2023 10:10	3.9	85	13	5.7	0
21/01/2023 10:20	3.9	77	17	5.2	0
21/01/2023 10:30	3.8	74	12	5.7	0
21/01/2023 10:40	3.6	78	20	5.2	0
21/01/2023 10:50	3.5	83	22	5.2	0
21/01/2023 11:00	3.5	81	21	5.6	0
21/01/2023 11:10	3.5	89	18	5.6	0
21/01/2023 11:20	3.2	79	21	4.8	0
21/01/2023 11:30	3.6	70	21	5.2	0
21/01/2023 11:40	3.9	82	28	5.8	0
21/01/2023 11:50	3.2	52	33	5.4	0
21/01/2023 12:00	3.6	29	32	5.4	0
21/01/2023 12:10	3.7	18	26	5.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/01/2023 12:20	3.7	189	31	5.4	0
21/01/2023 12:30	3.8	28	27	5.5	0
21/01/2023 12:40	3.8	8	29	6	0
21/01/2023 12:50	3.7	25	18	6.1	0
21/01/2023 13:00	4.1	12	24	5.6	0
21/01/2023 13:10	3.7	5	24	5.9	0
21/01/2023 13:20	3.5	189	24	5.1	0
21/01/2023 13:30	3.8	176	25	5.6	0
21/01/2023 13:40	4.5	173	26	6.2	0
21/01/2023 13:50	4.2	342	23	6	0
21/01/2023 14:00	4.1	183	28	6	0
21/01/2023 14:10	4.4	336	21	7.2	0
21/01/2023 14:20	4.4	346	21	6.5	0
21/01/2023 14:30	4	176	22	6	0
21/01/2023 14:40	4.4	344	23	6.4	0
21/01/2023 14:50	4.3	347	23	6.3	0
21/01/2023 15:00	4	350	22	6.4	0
21/01/2023 15:10	3.8	177	22	6	0
21/01/2023 15:20	4.2	182	20	6	0
21/01/2023 15:30	3.9	16	24	5.7	0
21/01/2023 15:40	3.8	12	22	6.1	0
21/01/2023 15:50	4	181	19	6	0
21/01/2023 16:00	3.8	179	22	5.7	0
21/01/2023 16:10	3.6	12	24	5.2	0
21/01/2023 16:20	4	347	21	5.5	0
21/01/2023 16:30	3.8	350	24	5.7	0
21/01/2023 16:40	3.7	183	21	5.8	0
21/01/2023 16:50	3.4	185	22	5.2	0
21/01/2023 17:00	3.5	13	23	5.2	0
21/01/2023 17:10	3.6	17	18	5.6	0
21/01/2023 17:20	3.6	18	22	5.2	0
21/01/2023 17:30	3.5	18	21	5.3	0
21/01/2023 17:40	3.7	12	18	5.2	0
21/01/2023 17:50	3.4	9	20	5.4	0
21/01/2023 18:00	3.9	12	20	6	0
21/01/2023 18:10	3.6	19	17	5	0
21/01/2023 18:20	3.7	24	16	5.2	0
21/01/2023 18:30	3.6	13	18	5.1	0
21/01/2023 18:40	2.9	16	21	4.4	0
21/01/2023 18:50	2.1	327	28	3.4	0
21/01/2023 19:00	1.9	326	27	4	0
21/01/2023 19:10	3	299	19	4.8	0
21/01/2023 19:20	3	287	16	4.5	0
21/01/2023 19:30	2.7	284	17	3.8	0
21/01/2023 19:40	2.8	289	16	4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/01/2023 19:50	2.1	297	24	3.9	0
21/01/2023 20:00	1.4	170	46	2.8	0
21/01/2023 20:10	2.2	11	27	3.5	0
21/01/2023 20:20	2.2	19	19	3.4	0
21/01/2023 20:30	2	13	27	3.1	0
21/01/2023 20:40	2.3	16	20	3	0
21/01/2023 20:50	2.7	28	16	3.6	0
21/01/2023 21:00	2.6	27	17	3.6	0
21/01/2023 21:10	2	19	23	2.7	0
21/01/2023 21:20	1.6	180	26	2.8	0
21/01/2023 21:30	1.6	18	25	2.4	0
21/01/2023 21:40	1.5	188	40	2.4	0
21/01/2023 21:50	0.9	137	27	2.2	0
21/01/2023 22:00	1.3	274	21	2.1	0
21/01/2023 22:10	1.4	283	25	2.3	0
21/01/2023 22:20	1.7	285	17	2.5	0
21/01/2023 22:30	1.2	288	26	2.2	0
21/01/2023 22:40	0.5	230	40	1.3	0
21/01/2023 22:50	0.5	209	15	1	0
21/01/2023 23:00	0.6	299	14	1.2	0
21/01/2023 23:10	0.6	289	14	1.4	0
21/01/2023 23:20	1	302	11	1.5	0
21/01/2023 23:30	0.7	330	24	1.3	0
21/01/2023 23:40	0.3	257	12	0.8	0
21/01/2023 23:50	0.6	295	9	1.4	0
22/01/2023 00:00	0	290	2	0.5	0
22/01/2023 00:10	0.4	240	17	1.1	0
22/01/2023 00:20	0.6	324	30	1.3	0
22/01/2023 00:30	0.4	268	5	1.1	0
22/01/2023 00:40					0
22/01/2023 00:50	0.9	322	10	2.2	0
22/01/2023 01:00	1.9	296	27	3.2	0
22/01/2023 01:10	0.8	331	34	2	0
22/01/2023 01:20	1.2	272	18	2	0
22/01/2023 01:30	1.5	258	15	2.1	0
22/01/2023 01:40	1.2	273	21	2	0
22/01/2023 01:50	1.6	258	10	2.4	0
22/01/2023 02:00	1.5	273	13	2.2	0
22/01/2023 02:10	1.5	282	20	2.5	0
22/01/2023 02:20	1.4	274	20	2.1	0
22/01/2023 02:30	1.2	281	29	2.1	0
22/01/2023 02:40	1.3	298	35	2.3	0
22/01/2023 02:50	0.9	162	51	1.7	0
22/01/2023 03:00	1.5	330	32	2.4	0
22/01/2023 03:10	0.6	140	19	1.5	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/01/2023 03:20	0.1	256	1	0.5	0
22/01/2023 03:30	1.1	300	23	2.1	0
22/01/2023 03:40	1	293	20	1.7	0
22/01/2023 03:50	1.2	308	64	2	0
22/01/2023 04:00	1.3	278	21	2.4	0
22/01/2023 04:10	1.8	305	16	2.6	0
22/01/2023 04:20	1.5	300	27	2.6	0
22/01/2023 04:30	1.8	286	19	2.6	0
22/01/2023 04:40	2.3	266	12	2.8	0
22/01/2023 04:50	2.4	262	12	3.2	0
22/01/2023 05:00	2.3	253	11	3.1	0
22/01/2023 05:10	2.1	256	11	2.7	0
22/01/2023 05:20	1.7	261	10	2.3	0
22/01/2023 05:30	1.9	256	11	2.5	0
22/01/2023 05:40	1.8	268	13	2.6	0
22/01/2023 05:50	2	259	8	2.5	0
22/01/2023 06:00	1.9	261	10	2.6	0
22/01/2023 06:10	2.2	263	10	2.9	0
22/01/2023 06:20	1.9	259	13	2.5	0
22/01/2023 06:30	2	268	15	3.1	0
22/01/2023 06:40	2.2	265	11	2.8	0
22/01/2023 06:50	2.2	267	15	2.8	0
22/01/2023 07:00	1.9	267	21	2.9	0
22/01/2023 07:10	1.1	322	17	1.6	0
22/01/2023 07:20	0.9	219	37	1.8	0
22/01/2023 07:30	1.3	250	34	2	0
22/01/2023 07:40	1.5	231	16	2.4	0
22/01/2023 07:50	1.3	213	20	2.1	0
22/01/2023 08:00	1.2	221	32	2	0
22/01/2023 08:10	1.4	244	23	2.2	0
22/01/2023 08:20	1.6	259	31	2.6	0
22/01/2023 08:30	1.3	322	36	2.7	0
22/01/2023 08:40	2.1	248	18	3	0
22/01/2023 08:50	2.1	282	15	3.4	0
22/01/2023 09:00	2.4	292	17	3.6	0
22/01/2023 09:10	2.2	276	17	3.4	0
22/01/2023 09:20	1.8	259	35	2.8	0
22/01/2023 09:30	2.1	287	21	3.4	0
22/01/2023 09:40	2.1	276	23	3.3	0
22/01/2023 09:50	1.6	244	38	3.5	0
22/01/2023 10:00	1.8	312	36	3.2	0
22/01/2023 10:10	3.2	293	18	4.5	0
22/01/2023 10:20	2.9	291	23	4.3	0
22/01/2023 10:30	3.3	288	25	5.2	0
22/01/2023 10:40	3.1	291	23	4.5	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/01/2023 10:50	3.5	296	15	4.5	0
22/01/2023 11:00	3.2	307	18	4.8	0
22/01/2023 11:10	3.4	309	20	5.1	0
22/01/2023 11:20	3.5	315	17	4.8	0
22/01/2023 11:30	3.1	327	22	5.1	0
22/01/2023 11:40	3.1	325	27	5.2	0
22/01/2023 11:50	3.2	354	25	5.2	0
22/01/2023 12:00	3.2	351	26	5	0
22/01/2023 12:10	3.5	345	17	5.2	0
22/01/2023 12:20	3.6	178	19	5.5	0
22/01/2023 12:30	3.2	181	25	5.5	0
22/01/2023 12:40	3.4	6	21	5.5	0
22/01/2023 12:50	3.6	351	25	5.5	0
22/01/2023 13:00	3.8	352	24	5.6	0
22/01/2023 13:10	3.3	354	27	5.5	0
22/01/2023 13:20	3.1	353	23	4.6	0
22/01/2023 13:30	3.2	178	27	5.1	0
22/01/2023 13:40	3	184	21	4.7	0
22/01/2023 13:50	3	178	29	4.8	0
22/01/2023 14:00	3.2	174	20	4.8	0
22/01/2023 14:10	3.5	356	20	5.2	0
22/01/2023 14:20	3.4	357	21	5.3	0
22/01/2023 14:30	3.9	179	25	5.8	0
22/01/2023 14:40	3.7	180	23	5.3	0
22/01/2023 14:50	4.2	346	24	6.4	0
22/01/2023 15:00	4.2	354	24	5.8	0
22/01/2023 15:10	4.1	348	28	6	0
22/01/2023 15:20	4	350	28	6.3	0
22/01/2023 15:30	3.7	178	25	5.6	0
22/01/2023 15:40	3.8	179	24	6.9	0
22/01/2023 15:50	3.7	351	23	5.6	0
22/01/2023 16:00	3.9	174	20	5.7	0
22/01/2023 16:10	4.4	357	21	6.4	0
22/01/2023 16:20	4.2	351	19	6	0
22/01/2023 16:30	4.4	180	22	6.4	0
22/01/2023 16:40	4.3	4	20	6.2	0
22/01/2023 16:50	4.3	3	23	6.7	0
22/01/2023 17:00	4	9	22	6.1	0
22/01/2023 17:10	3.7	7	22	6	0
22/01/2023 17:20	3.4	181	23	5.7	0
22/01/2023 17:30	3.8	5	18	5.9	0
22/01/2023 17:40	3.3	4	30	5.4	0
22/01/2023 17:50	3.3	353	26	4.7	0
22/01/2023 18:00	2.5	329	41	4.6	0
22/01/2023 18:10	3	327	24	4.8	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/01/2023 18:20	2.9	311	33	4.8	0
22/01/2023 18:30	4.2	290	16	5.7	0
22/01/2023 18:40	4.2	293	13	5.8	0
22/01/2023 18:50	4	288	16	5.2	0
22/01/2023 19:00	3.7	280	16	5.6	0
22/01/2023 19:10	3.3	287	15	4.8	0
22/01/2023 19:20	3.3	288	13	4.4	0
22/01/2023 19:30	3.2	285	16	4.4	0
22/01/2023 19:40	3.2	290	15	4.4	0
22/01/2023 19:50	3.4	272	15	4.8	0
22/01/2023 20:00	2.9	268	14	4.4	0
22/01/2023 20:10	2.9	282	15	4.3	0
22/01/2023 20:20	2.4	280	20	3.6	0
22/01/2023 20:30	3.1	257	12	4	0
22/01/2023 20:40	3	276	14	4.2	0
22/01/2023 20:50	2.9	263	12	4	0
22/01/2023 21:00	2.2	275	15	2.8	0
22/01/2023 21:10	2.9	284	13	4.1	0
22/01/2023 21:20	2.7	278	18	3.6	0
22/01/2023 21:30	3	270	13	4.1	0
22/01/2023 21:40	3	262	11	4	0
22/01/2023 21:50	3.2	255	10	4.2	0
22/01/2023 22:00	3.1	263	12	4.3	0
22/01/2023 22:10	3	266	13	3.8	0
22/01/2023 22:20	2.9	265	13	3.6	0
22/01/2023 22:30	2.9	264	12	3.8	0
22/01/2023 22:40	3.3	257	11	4.3	0
22/01/2023 22:50	3.5	261	9	4.3	0
22/01/2023 23:00	3.2	263	9	4.2	0
22/01/2023 23:10	3.1	263	11	4.1	0
22/01/2023 23:20	3.2	262	9	3.8	0
22/01/2023 23:30	3	264	9	3.9	0
22/01/2023 23:40	3	263	9	4	0
22/01/2023 23:50	3.1	266	12	4.1	0
23/01/2023 00:00	3.3	269	11	4.4	0
23/01/2023 00:10	3	269	13	4.2	0
23/01/2023 00:20	3.3	272	14	4.6	0
23/01/2023 00:30	3.3	268	11	4.1	0
23/01/2023 00:40	3.9	262	9	5.2	0
23/01/2023 00:50	3.6	263	9	4.7	0
23/01/2023 01:00	3.7	265	10	4.8	0
23/01/2023 01:10	3.7	259	11	5.1	0
23/01/2023 01:20	3.7	264	10	4.9	0
23/01/2023 01:30	3.3	264	11	4.1	0
23/01/2023 01:40	3.7	260	8	4.8	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/01/2023 01:50	3.7	259	10	4.8	0
23/01/2023 02:00	3.5	262	10	4.4	0
23/01/2023 02:10	3.1	261	10	4	0
23/01/2023 02:20	3.3	261	10	4.6	0
23/01/2023 02:30	3.7	262	9	4.9	0
23/01/2023 02:40	3.4	260	11	4.2	0
23/01/2023 02:50	3.2	258	10	4.1	0
23/01/2023 03:00	3.2	258	11	4.5	0
23/01/2023 03:10	3.6	265	10	4.8	0
23/01/2023 03:20	3	264	10	3.8	0
23/01/2023 03:30	3	256	11	3.7	0
23/01/2023 03:40	2.8	261	10	3.9	0
23/01/2023 03:50	3	261	12	4	0
23/01/2023 04:00	3.2	253	9	4.1	0
23/01/2023 04:10	2.8	253	11	3.6	0
23/01/2023 04:20	2.6	246	12	3.6	0
23/01/2023 04:30	2.7	249	13	3.6	0
23/01/2023 04:40	2.1	237	13	3.1	0
23/01/2023 04:50	2.6	229	15	3.8	0
23/01/2023 05:00	2.2	231	14	3	0
23/01/2023 05:10	2.2	230	14	3	0
23/01/2023 05:20	2.2	227	14	3.1	0
23/01/2023 05:30	1.9	218	15	2.5	0
23/01/2023 05:40	1.8	227	13	2.4	0
23/01/2023 05:50	1.5	215	17	2	0
23/01/2023 06:00	1.3	226	11	1.8	0
23/01/2023 06:10	1	222	25	1.7	0
23/01/2023 06:20	1	216	32	1.9	0
23/01/2023 06:30	1.4	218	19	2	0
23/01/2023 06:40	1.5	214	29	2.2	0
23/01/2023 06:50	1.9	219	21	2.8	0
23/01/2023 07:00	1.8	222	30	2.5	0
23/01/2023 07:10	1.8	225	43	2.8	0
23/01/2023 07:20	1.8	222	38	2.8	0
23/01/2023 07:30	1.9	221	42	3	0
23/01/2023 07:40	1.7	216	64	3.2	0
23/01/2023 07:50	2.3	215	36	3.3	0
23/01/2023 08:00	2	227	50	3.4	0
23/01/2023 08:10	1.6	152	67	2.8	0
23/01/2023 08:20	1.8	214	53	3.2	0
23/01/2023 08:30	2.1	213	35	3.3	0
23/01/2023 08:40	1.8	208	47	3.3	0
23/01/2023 08:50	1.7	214	58	3.2	0
23/01/2023 09:00	2.4	201	37	3.7	0
23/01/2023 09:10	2.2	238	20	3.4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/01/2023 09:20	3.7	253	17	5.2	0
23/01/2023 09:30	3.5	266	17	5	0
23/01/2023 09:40	3.5	275	14	5.1	0
23/01/2023 09:50	3.1	277	19	4.5	0
23/01/2023 10:00	3.1	275	21	4.2	0
23/01/2023 10:10	3	287	22	4.2	0
23/01/2023 10:20	3.8	303	13	5	0
23/01/2023 10:30	3.6	302	20	5.6	0
23/01/2023 10:40	3.2	305	19	4.8	0
23/01/2023 10:50	3.6	307	18	5.2	0
23/01/2023 11:00	4.1	301	14	5.6	0
23/01/2023 11:10	4.6	297	12	5.9	0
23/01/2023 11:20	4.8	303	13	6.3	0
23/01/2023 11:30	4.7	299	11	6.3	0
23/01/2023 11:40	4.8	301	13	6	0
23/01/2023 11:50	5.3	300	9	6.5	0
23/01/2023 12:00	4.9	300	12	6.7	0
23/01/2023 12:10	4.6	300	13	5.9	0
23/01/2023 12:20	4.1	301	13	5.4	0
23/01/2023 12:30	3.6	308	18	5.4	0
23/01/2023 12:40	3.5	306	17	5	0
23/01/2023 12:50	3.7	306	15	5.3	0
23/01/2023 13:00	4.3	304	14	5.7	0
23/01/2023 13:10	4	313	19	5.8	0
23/01/2023 13:20	3.7	306	17	5.6	0
23/01/2023 13:30	4.2	302	16	5.9	0
23/01/2023 13:40	4.2	307	16	5.9	0
23/01/2023 13:50	4.9	306	16	7	0
23/01/2023 14:00	4.8	305	20	6.6	0
23/01/2023 14:10	5.1	300	14	6.8	0
23/01/2023 14:20	5.3	300	13	7.2	0
23/01/2023 14:30	4.6	307	18	6.4	0
23/01/2023 14:40	5	304	15	6.7	0
23/01/2023 14:50	6.1	298	10	7.7	0
23/01/2023 15:00	6.1	298	10	7.6	0
23/01/2023 15:10	5.9	296	11	8.1	0
23/01/2023 15:20	6	300	10	7.6	0
23/01/2023 15:30	5.7	298	12	7.2	0
23/01/2023 15:40	5.7	296	10	7.1	0
23/01/2023 15:50	5.5	299	11	7.3	0
23/01/2023 16:00	6	299	8	7.4	0
23/01/2023 16:10	5.8	297	10	7.3	0
23/01/2023 16:20	5.9	299	10	7.7	0
23/01/2023 16:30	5.4	301	11	7.4	0
23/01/2023 16:40	5.3	302	11	7.1	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/01/2023 16:50	5.5	296	12	7.2	0
23/01/2023 17:00	5.3	291	13	7.2	0
23/01/2023 17:10	5.4	298	12	7.5	0
23/01/2023 17:20	5	296	12	6.7	0
23/01/2023 17:30	5.1	298	12	6.6	0
23/01/2023 17:40	5.3	296	12	6.8	0
23/01/2023 17:50	4.7	291	13	6.3	0
23/01/2023 18:00	4.8	284	14	6.4	0
23/01/2023 18:10	5.3	289	12	6.8	0
23/01/2023 18:20	5.2	288	12	7.2	0
23/01/2023 18:30	5.1	285	13	6.5	0
23/01/2023 18:40	4.9	288	13	6.3	0
23/01/2023 18:50	5	289	13	6.6	0
23/01/2023 19:00	4.9	291	13	6.3	0
23/01/2023 19:10	4.5	289	12	6.4	0
23/01/2023 19:20	5.1	293	11	6.5	0
23/01/2023 19:30	4.2	286	14	6.1	0
23/01/2023 19:40	4.7	288	12	6.3	0
23/01/2023 19:50	4.5	291	13	6	0
23/01/2023 20:00	4.3	290	13	5.9	0
23/01/2023 20:10	4	283	14	5.9	0
23/01/2023 20:20	4.1	280	15	5.7	0
23/01/2023 20:30	4.2	277	18	6.1	0
23/01/2023 20:40	4.2	285	13	6.3	0
23/01/2023 20:50	4.1	279	14	5.6	0
23/01/2023 21:00	4.1	267	14	5.3	0
23/01/2023 21:10	4.7	269	13	6	0
23/01/2023 21:20	4.3	271	13	5.8	0
23/01/2023 21:30	4.2	271	13	5.7	0
23/01/2023 21:40	4.5	265	12	6	0
23/01/2023 21:50	4.7	263	11	6.5	0
23/01/2023 22:00	4.2	271	12	5.6	0
23/01/2023 22:10	4	258	12	5.4	0
23/01/2023 22:20	4.3	252	13	6	0
23/01/2023 22:30	4.2	245	11	5.8	0
23/01/2023 22:40	4	253	12	5.3	0
23/01/2023 22:50	3.6	250	13	5	0
23/01/2023 23:00	3.4	255	10	4.7	0
23/01/2023 23:10	3.1	249	13	4	0
23/01/2023 23:20	3.1	245	13	4.1	0
23/01/2023 23:30	3.2	258	10	4.2	0
23/01/2023 23:40	3.2	248	13	4.5	0
23/01/2023 23:50	3.2	241	10	4.2	0
24/01/2023 00:00	3.3	238	11	4.4	0
24/01/2023 00:10	2.8	242	11	3.9	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/01/2023 00:20	2.8	246	14	4	0
24/01/2023 00:30	2.8	233	15	4.1	0
24/01/2023 00:40	3	225	15	4.1	0
24/01/2023 00:50	3.1	222	18	4.4	0
24/01/2023 01:00	2.9	228	15	4.3	0
24/01/2023 01:10	2.8	216	15	3.8	0
24/01/2023 01:20	2.2	219	36	3.4	0
24/01/2023 01:30	1.8	189	84	3.2	0
24/01/2023 01:40	3.5	92	61	5.8	0
24/01/2023 01:50	6.6	110	15	9.1	0
24/01/2023 02:00	7.3	102	12	10.1	0
24/01/2023 02:10	7.3	108	11	10.4	0
24/01/2023 02:20	7.2	107	12	10.2	0
24/01/2023 02:30	6.7	106	12	9.5	0
24/01/2023 02:40	6.4	106	11	8.7	0
24/01/2023 02:50	6.6	107	12	10.4	0
24/01/2023 03:00	7	104	12	10.3	0
24/01/2023 03:10	6.1	108	11	8.5	0
24/01/2023 03:20	6.4	101	11	8	0
24/01/2023 03:30	6.3	104	11	8.6	0
24/01/2023 03:40	5.4	106	14	7.4	0
24/01/2023 03:50	5.6	106	12	7.5	0
24/01/2023 04:00	5	114	14	6.7	0
24/01/2023 04:10	4.5	118	13	6.8	0
24/01/2023 04:20	4.4	109	10	6.4	0
24/01/2023 04:30	4.4	107	10	5.8	0
24/01/2023 04:40	4.3	109	12	5.7	0
24/01/2023 04:50	4.3	105	11	6.5	0
24/01/2023 05:00	4.8	106	10	6	0
24/01/2023 05:10	4.2	96	11	6.1	0
24/01/2023 05:20	3.9	87	13	5.2	0
24/01/2023 05:30	3.9	90	11	5.4	0
24/01/2023 05:40	3.7	84	12	5.2	0
24/01/2023 05:50	3.8	88	11	5.2	0
24/01/2023 06:00	3.8	81	11	5.1	0
24/01/2023 06:10	3.6	82	11	5.2	0
24/01/2023 06:20	4.2	87	11	5.9	0
24/01/2023 06:30	4.5	86	12	6.3	0
24/01/2023 06:40	5.1	81	12	7.1	0
24/01/2023 06:50	6.1	80	10	9.1	0
24/01/2023 07:00	6.2	77	13	8.8	0
24/01/2023 07:10	6.1	78	11	7.9	0
24/01/2023 07:20	5.5	82	11	8.2	0
24/01/2023 07:30	5.5	80	10	7.6	0
24/01/2023 07:40	5.6	82	11	7.7	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/01/2023 07:50	5.4	78	10	7.8	0
24/01/2023 08:00	5.2	80	11	7.4	0
24/01/2023 08:10	5.5	78	12	7.3	0
24/01/2023 08:20	5.6	81	12	7.5	0
24/01/2023 08:30	4.8	82	11	6.6	0
24/01/2023 08:40	5	78	13	7.2	0
24/01/2023 08:50	5.1	80	13	6.8	0
24/01/2023 09:00	5.8	88	14	8.1	0
24/01/2023 09:10	5.9	95	13	8.3	0
24/01/2023 09:20	5.7	88	14	8.3	0
24/01/2023 09:30	5.7	82	15	7.8	0
24/01/2023 09:40	6.8	80	14	8.8	0
24/01/2023 09:50	6	84	13	8.3	0
24/01/2023 10:00	5.2	87	13	7.5	0
24/01/2023 10:10	5.5	83	12	7.7	0
24/01/2023 10:20	5.8	89	12	7.8	0
24/01/2023 10:30	5.7	93	11	8.3	0
24/01/2023 10:40	5.1	92	15	6.7	0
24/01/2023 10:50	5.3	93	14	8.2	0
24/01/2023 11:00	5.5	95	16	8.4	0
24/01/2023 11:10	5.9	96	12	8.2	0
24/01/2023 11:20	5.5	90	14	7.6	0
24/01/2023 11:30	5.7	87	14	8	0
24/01/2023 11:40	5.1	84	13	7.6	0
24/01/2023 11:50	4.4	81	17	7	0
24/01/2023 12:00	4.5	68	17	6.4	0
24/01/2023 12:10	5.1	73	15	6.9	0
24/01/2023 12:20	4.3	73	19	7	0
24/01/2023 12:30	4.5	71	19	7.1	0
24/01/2023 12:40	3.9	56	25	6.6	0
24/01/2023 12:50	4	82	18	6	0
24/01/2023 13:00	3.1	45	28	5.2	0
24/01/2023 13:10	3	44	28	5.2	0
24/01/2023 13:20	3.3	30	36	5.6	0
24/01/2023 13:30	3.5	23	24	5	0
24/01/2023 13:40	4.3	187	21	6	0
24/01/2023 13:50	4.2	338	18	5.8	0
24/01/2023 14:00	3.7	172	29	6.6	0
24/01/2023 14:10	3.5	354	26	5.2	0
24/01/2023 14:20	3.8	356	25	5.9	0
24/01/2023 14:30	3.5	181	23	5.2	0
24/01/2023 14:40	3.5	14	24	5.5	0
24/01/2023 14:50	3.8	351	25	6	0
24/01/2023 15:00	4.1	356	22	6.5	0
24/01/2023 15:10	4.6	181	20	6.6	0





Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/01/2023 15:20	4.9	176	22	7.2	0
24/01/2023 15:30	4.9	351	21	7.2	0
24/01/2023 15:40	4.8	353	22	6.6	0
24/01/2023 15:50	5	176	22	7.2	0
24/01/2023 16:00	4.7	182	20	6.5	0
24/01/2023 16:10	4.8	351	22	7.2	0
24/01/2023 16:20	4.9	4	21	7	0
24/01/2023 16:30	4.3	10	21	6.5	0
24/01/2023 16:40	4.6	8	21	6.4	0
24/01/2023 16:50	4.4	178	19	6.1	0
24/01/2023 17:00	4.3	181	23	6.6	0
24/01/2023 17:10	4.4	5	22	6.1	0
24/01/2023 17:20	3.8	183	23	5.6	0
24/01/2023 17:30	4.1	302	17	5.6	0
24/01/2023 17:40	4.4	294	13	6	0
24/01/2023 17:50	3.9	293	13	5.2	0
24/01/2023 18:00	4.1	294	13	5.5	0
24/01/2023 18:10					
24/01/2023 18:20					
24/01/2023 18:30					
24/01/2023 18:40					
24/01/2023 18:50					
24/01/2023 19:00					
24/01/2023 19:10					
24/01/2023 19:20					
24/01/2023 19:30					
24/01/2023 19:40					
24/01/2023 19:50					
24/01/2023 20:00					
24/01/2023 20:10					
24/01/2023 20:20					
24/01/2023 20:30					
24/01/2023 20:40					
24/01/2023 20:50					
24/01/2023 21:00					
24/01/2023 21:10					
24/01/2023 21:20					
24/01/2023 21:30					
24/01/2023 21:40					
24/01/2023 21:50					
24/01/2023 22:00					
24/01/2023 22:10					
24/01/2023 22:20					
24/01/2023 22:30					
24/01/2023 22:40					



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/01/2023 22:50					
24/01/2023 23:00					
24/01/2023 23:10					
24/01/2023 23:20					
24/01/2023 23:30					
24/01/2023 23:40					
24/01/2023 23:50					
25/01/2023 00:00					
25/01/2023 00:10	2.5	241	14	3.9	0
25/01/2023 00:20	2.8	234	12	3.8	0
25/01/2023 00:30	2.8	239	13	3.7	0
25/01/2023 00:40	3	242	11	4	0
25/01/2023 00:50	3.3	232	12	4.6	0
25/01/2023 01:00	3.2	235	13	4.3	0
25/01/2023 01:10	2.7	229	14	3.6	0
25/01/2023 01:20	2.7	230	16	3.6	0
25/01/2023 01:30	2.5	229	14	3.4	0
25/01/2023 01:40	2.5	231	12	3.5	0
25/01/2023 01:50	2.6	227	11	3.5	0
25/01/2023 02:00	2.4	229	14	3.6	0
25/01/2023 02:10	2.2	236	16	3	0
25/01/2023 02:20	2.6	230	14	3.6	0
25/01/2023 02:30	2.4	238	13	3.3	0
25/01/2023 02:40	2.5	236	13	3.3	0
25/01/2023 02:50	2.4	226	13	3.7	0
25/01/2023 03:00	2.3	228	14	3.3	0
25/01/2023 03:10	2.3	225	13	3.2	0
25/01/2023 03:20	2.5	224	14	3.3	0
25/01/2023 03:30	2.4	227	16	3.3	0
25/01/2023 03:40	2.5	224	15	3.5	0
25/01/2023 03:50	2.8	230	13	3.8	0
25/01/2023 04:00	2	234	13	3	0
25/01/2023 04:10	1.9	233	15	2.9	0
25/01/2023 04:20	2.3	227	12	3.2	0
25/01/2023 04:30	2.2	226	15	3	0
25/01/2023 04:40	2	216	16	2.6	0
25/01/2023 04:50	1.6	218	33	2.4	0
25/01/2023 05:00	2.3	217	17	3.2	0
25/01/2023 05:10	2.5	220	14	3.2	0
25/01/2023 05:20	2.1	221	17	3	0
25/01/2023 05:30	2.2	214	14	2.9	0
25/01/2023 05:40	1.7	217	19	2.4	0
25/01/2023 05:50	1.7	217	22	2.3	0
25/01/2023 06:00	1.9	212	20	2.7	0
25/01/2023 06:10	1.9	214	15	2.4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/01/2023 06:20	2	218	15	2.6	0
25/01/2023 06:30	2.1	224	18	3.2	0
25/01/2023 06:40	2.3	226	13	3.1	0
25/01/2023 06:50	2	217	23	2.6	0
25/01/2023 07:00	2.4	215	22	3.2	0
25/01/2023 07:10	2.5	216	16	3.2	0
25/01/2023 07:20	2.3	211	18	3.2	0
25/01/2023 07:30	2.3	217	23	3.6	0
25/01/2023 07:40	2.1	228	21	3.1	0
25/01/2023 07:50	2.3	228	19	3.4	0
25/01/2023 08:00	1.6	237	31	2.8	0
25/01/2023 08:10	1.5	235	42	2.8	0
25/01/2023 08:20	1.3	174	66	2.2	0
25/01/2023 08:30	1.8	239	43	2.8	0
25/01/2023 08:40	2.4	261	19	3.6	0
25/01/2023 08:50	2.4	257	20	3.6	0
25/01/2023 09:00	2.4	252	20	3.7	0
25/01/2023 09:10	2.4	235	22	3.4	0
25/01/2023 09:20	2.7	239	21	3.7	0
25/01/2023 09:30	2.6	249	19	3.8	0
25/01/2023 09:40	3.3	251	18	4.7	0
25/01/2023 09:50	2.9	264	16	4.7	0
25/01/2023 10:00	2.7	278	23	4.1	0
25/01/2023 10:10	3.9	259	17	5.3	0
25/01/2023 10:20	3.7	258	16	4.9	0
25/01/2023 10:30	4	271	19	5.3	0
25/01/2023 10:40	3.7	255	16	5	0
25/01/2023 10:50	3.2	251	19	5.2	0
25/01/2023 11:00	3.7	246	17	5	0
25/01/2023 11:10	3.9	273	17	5.2	0
25/01/2023 11:20	4.2	264	13	5.2	0
25/01/2023 11:30	4	269	17	5.3	0
25/01/2023 11:40	3.5	265	20	4.8	0
25/01/2023 11:50	3.5	293	20	4.8	0
25/01/2023 12:00	3.8	311	24	5.6	0
25/01/2023 12:10	3.8	171	20	5.1	0
25/01/2023 12:20	3.4	331	24	5.6	0
25/01/2023 12:30	4.4	303	15	6	0
25/01/2023 12:40	4.9	295	13	6.3	0
25/01/2023 12:50	4.1	305	16	5.9	0
25/01/2023 13:00	4.6	299	12	6	0
25/01/2023 13:10	4.4	297	14	6	0
25/01/2023 13:20	4.8	300	12	6.3	0
25/01/2023 13:30	4.5	298	16	6.2	0
25/01/2023 13:40	5.1	297	12	6.3	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/01/2023 13:50	4.8	298	14	6.8	0
25/01/2023 14:00	4.7	304	15	6.5	0
25/01/2023 14:10	4.4	292	16	6.4	0
25/01/2023 14:20	4.7	303	13	6.2	0
25/01/2023 14:30	5	300	13	6.8	0
25/01/2023 14:40	5.6	289	12	7.2	0
25/01/2023 14:50	5.6	297	12	7.3	0
25/01/2023 15:00	5.1	302	18	7	0
25/01/2023 15:10	5.3	302	12	7.6	0
25/01/2023 15:20	5.6	295	13	7.2	0
25/01/2023 15:30	5.5	295	13	7.2	0
25/01/2023 15:40	4.3	292	19	6.2	0
25/01/2023 15:50	4.8	290	13	6.5	0
25/01/2023 16:00	4.8	288	13	6.4	0
25/01/2023 16:10	4.5	291	17	6.2	0
25/01/2023 16:20	4.7	287	17	5.9	0
25/01/2023 16:30	4.7	298	12	6.4	0
25/01/2023 16:40	4.8	297	13	6.3	0
25/01/2023 16:50	4.7	268	15	6.4	0
25/01/2023 17:00	5	262	12	6.5	0
25/01/2023 17:10	4.5	267	17	5.9	0
25/01/2023 17:20	4.5	260	10	5.9	0
25/01/2023 17:30	4.3	259	14	5.6	0
25/01/2023 17:40	4.2	256	15	5.6	0
25/01/2023 17:50	4.7	260	15	6.2	0
25/01/2023 18:00	5.1	259	11	6.7	0
25/01/2023 18:10	5.3	258	13	6.8	0
25/01/2023 18:20	5.4	254	13	6.8	0
25/01/2023 18:30	4.7	255	13	6.1	0
25/01/2023 18:40	4.3	257	12	5.6	0
25/01/2023 18:50	4.1	255	10	5	0
25/01/2023 19:00	2.9	262	13	4	0
25/01/2023 19:10	3.1	260	11	3.9	0
25/01/2023 19:20	2.6	257	11	3.2	0
25/01/2023 19:30	2.3	279	17	3.3	0
25/01/2023 19:40	1.8	312	31	2.9	0
25/01/2023 19:50	2.6	269	16	3.6	0
25/01/2023 20:00	3.3	270	14	4.5	0
25/01/2023 20:10	3.9	262	10	5.2	0
25/01/2023 20:20	3.7	257	14	4.8	0
25/01/2023 20:30	4	256	13	5.2	0
25/01/2023 20:40	3.9	249	12	5.4	0
25/01/2023 20:50	3.7	250	11	4.8	0
25/01/2023 21:00	3.5	260	10	4.7	0
25/01/2023 21:10	3.5	263	12	4.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/01/2023 21:20	3.1	263	11	4	0
25/01/2023 21:30	3.2	254	11	4.1	0
25/01/2023 21:40	3.7	260	11	5.2	0
25/01/2023 21:50	4	259	11	5.1	0
25/01/2023 22:00	4	252	10	5.1	0
25/01/2023 22:10	4	259	9	5.2	0
25/01/2023 22:20	4.3	253	11	5.8	0
25/01/2023 22:30	4.4	251	12	5.3	0
25/01/2023 22:40	4.4	257	11	5.6	0
25/01/2023 22:50	4.4	254	12	5.9	0
25/01/2023 23:00	3.8	252	11	5.2	0
25/01/2023 23:10	4.1	250	12	5.9	0
25/01/2023 23:20	3.8	252	12	5.1	0
25/01/2023 23:30	3.8	252	13	5	0
25/01/2023 23:40	3.5	251	12	4.8	0
25/01/2023 23:50	3.3	248	12	4.5	0
26/01/2023 00:00	3.9	247	12	5.2	0
26/01/2023 00:10	4.2	247	12	5.6	0
26/01/2023 00:20	4.7	239	11	6	0
26/01/2023 00:30	4.1	234	15	5.6	0
26/01/2023 00:40	3.9	238	15	6.1	0
26/01/2023 00:50	4.7	236	14	6.7	0
26/01/2023 01:00	5.3	242	12	7.4	0
26/01/2023 01:10	4.6	242	12	6.9	0
26/01/2023 01:20	4.6	232	14	7.2	0
26/01/2023 01:30	4.8	230	15	7.3	0
26/01/2023 01:40	4.4	239	14	5.7	0
26/01/2023 01:50	3.5	244	12	5.6	0
26/01/2023 02:00	3.7	240	16	5.6	0.1
26/01/2023 02:10	4	230	15	5.6	0
26/01/2023 02:20	4	241	13	5.6	0
26/01/2023 02:30	3.8	248	11	5	0
26/01/2023 02:40	3.8	249	11	5	0
26/01/2023 02:50	3.5	241	13	4.6	0
26/01/2023 03:00	3.9	233	16	5.3	0
26/01/2023 03:10	3.5	234	14	5.5	0
26/01/2023 03:20	3.9	229	14	6.1	0
26/01/2023 03:30	4	232	14	6.2	0
26/01/2023 03:40	4	233	14	5.7	0
26/01/2023 03:50	4	229	13	5.9	0
26/01/2023 04:00	3.3	229	13	4.5	0
26/01/2023 04:10	3.1	225	15	4.4	0
26/01/2023 04:20	3.2	226	17	4.5	0
26/01/2023 04:30	3	224	16	4.6	0
26/01/2023 04:40	3.4	223	14	5.1	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/01/2023 04:50	3.1	221	15	4.3	0
26/01/2023 05:00	3.1	221	13	4.4	0
26/01/2023 05:10	3	222	14	4.7	0
26/01/2023 05:20	2.4	224	19	3.6	0
26/01/2023 05:30	1.9	226	17	2.7	0
26/01/2023 05:40	1.9	227	16	2.9	0
26/01/2023 05:50	2.5	231	12	3.4	0
26/01/2023 06:00	2.5	230	14	3.6	0
26/01/2023 06:10	1.7	215	22	2.2	0
26/01/2023 06:20	2	225	15	3.2	0
26/01/2023 06:30	2	237	11	2.5	0
26/01/2023 06:40	2	229	15	2.7	0
26/01/2023 06:50	2.2	221	14	2.8	0
26/01/2023 07:00	2.5	233	14	3.5	0
26/01/2023 07:10	2.9	232	15	4	0
26/01/2023 07:20	3.5	238	13	4.8	0
26/01/2023 07:30	3.1	234	17	4.6	0
26/01/2023 07:40	3.2	228	17	4.4	0
26/01/2023 07:50	3.3	234	15	4.8	0
26/01/2023 08:00	3.3	231	16	4.8	0
26/01/2023 08:10	3.4	238	15	5	0
26/01/2023 08:20	3.7	234	13	5.2	0
26/01/2023 08:30	3.3	240	16	4.5	0
26/01/2023 08:40	3.4	242	15	4.9	0
26/01/2023 08:50	3.1	239	21	4.6	0
26/01/2023 09:00	3.7	219	19	5.5	0
26/01/2023 09:10	4	225	17	5.6	0
26/01/2023 09:20	4.1	226	16	6.3	0
26/01/2023 09:30	3.8	231	17	5.6	0
26/01/2023 09:40	4	225	19	5.6	0
26/01/2023 09:50	3.4	226	21	5.2	0
26/01/2023 10:00	3.3	229	21	5	0
26/01/2023 10:10	2.9	224	23	4.6	0
26/01/2023 10:20	3.8	272	17	5.1	0
26/01/2023 10:30	3.7	268	18	5.1	0
26/01/2023 10:40	4.1	276	16	5.5	0
26/01/2023 10:50	4.2	271	16	5.3	0
26/01/2023 11:00	4.2	274	15	5.7	0
26/01/2023 11:10	4.5	265	13	5.9	0
26/01/2023 11:20	4.9	266	13	6	0
26/01/2023 11:30	4.6	263	13	5.8	0
26/01/2023 11:40	4.4	275	17	5.7	0
26/01/2023 11:50	4.6	261	13	6.1	0
26/01/2023 12:00	4.3	270	16	5.7	0
26/01/2023 12:10	4.2	266	15	5.5	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/01/2023 12:20	4.5	257	13	5.7	0
26/01/2023 12:30	5.1	257	10	6.3	0
26/01/2023 12:40	5	261	15	6.6	0
26/01/2023 12:50	5.1	256	12	6.3	0
26/01/2023 13:00	5.1	255	12	6.5	0
26/01/2023 13:10	4.8	260	13	6.1	0
26/01/2023 13:20	4.8	259	13	6.3	0
26/01/2023 13:30	4.4	287	16	6	0
26/01/2023 13:40	5.5	262	11	6.9	0
26/01/2023 13:50	5.1	267	13	6.9	0
26/01/2023 14:00	6.1	262	10	7.5	0
26/01/2023 14:10	5.8	266	14	7.3	0
26/01/2023 14:20	5.7	270	16	7.8	0
26/01/2023 14:30	5.8	263	10	7.5	0
26/01/2023 14:40	5.9	258	12	7.4	0
26/01/2023 14:50	6.1	258	10	7.6	0
26/01/2023 15:00	6	261	9	7.5	0
26/01/2023 15:10	6	267	13	7.4	0
26/01/2023 15:20	6.2	264	11	7.9	0
26/01/2023 15:30	6.7	265	10	8.4	0
26/01/2023 15:40	6.8	264	9	8.3	0
26/01/2023 15:50	6	259	11	7.9	0
26/01/2023 16:00	5.9	259	12	8	0
26/01/2023 16:10	6.3	263	10	8.3	0
26/01/2023 16:20	6.2	262	12	7.9	0
26/01/2023 16:30	6	263	13	7.5	0
26/01/2023 16:40	5.6	257	12	7.5	0
26/01/2023 16:50	5.5	245	12	7.6	0
26/01/2023 17:00	5.7	258	13	7.5	0
26/01/2023 17:10	4.9	255	14	6.8	0
26/01/2023 17:20	5.6	248	12	7.5	0
26/01/2023 17:30	5.9	259	10	7.5	0
26/01/2023 17:40	5.8	261	9	7.3	0
26/01/2023 17:50	5.6	264	11	7.5	0
26/01/2023 18:00	5.8	260	12	8.2	0
26/01/2023 18:10	6.3	264	9	8.1	0
26/01/2023 18:20	6	263	11	7.5	0
26/01/2023 18:30	5.1	260	11	7.4	0
26/01/2023 18:40	5.7	261	11	7.3	0
26/01/2023 18:50	5.9	259	11	7.9	0
26/01/2023 19:00	5.6	254	11	7.2	0
26/01/2023 19:10	5.6	260	10	7.5	0
26/01/2023 19:20	5.5	262	9	7.2	0
26/01/2023 19:30	5.8	266	11	7.9	0
26/01/2023 19:40	5.6	261	10	7.4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/01/2023 19:50	6	263	9	7.9	0
26/01/2023 20:00	5	259	12	7.4	0
26/01/2023 20:10	4.4	261	11	6	0
26/01/2023 20:20	5.4	253	11	6.8	0
26/01/2023 20:30	4.9	257	11	7.1	0
26/01/2023 20:40	5	253	12	7	0
26/01/2023 20:50	4.7	249	11	6.8	0
26/01/2023 21:00	5.2	248	12	7.2	0
26/01/2023 21:10	5.3	255	11	7	0
26/01/2023 21:20	5.3	257	11	6.8	0
26/01/2023 21:30	5.6	252	11	7.8	0
26/01/2023 21:40	5.8	254	12	7.4	0
26/01/2023 21:50	5.5	251	11	7.8	0
26/01/2023 22:00	5.6	253	11	7.6	0
26/01/2023 22:10	4.9	251	12	7	0
26/01/2023 22:20	5	257	10	6.4	0
26/01/2023 22:30	4.3	254	11	6.1	0
26/01/2023 22:40	4.7	248	11	6.4	0
26/01/2023 22:50	4.9	251	12	6.8	0
26/01/2023 23:00	4.8	252	12	6.6	0
26/01/2023 23:10	4.4	248	10	6.2	0
26/01/2023 23:20	4.8	251	11	7	0
26/01/2023 23:30	5.2	250	13	7.1	0
26/01/2023 23:40	4.9	247	11	6.6	0
26/01/2023 23:50	4.3	247	13	6	0
27/01/2023 00:00	4.9	246	13	6.3	0
27/01/2023 00:10	4.7	247	12	6.6	0
27/01/2023 00:20	5.1	246	12	6.9	0
27/01/2023 00:30	4.9	242	12	6.5	0
27/01/2023 00:40	5	241	12	7.3	0
27/01/2023 00:50	4.9	244	13	7	0
27/01/2023 01:00	5.1	247	13	7.2	0
27/01/2023 01:10	5.3	243	11	7.2	0
27/01/2023 01:20	4.6	244	15	6.8	0
27/01/2023 01:30	5	251	12	6.5	0
27/01/2023 01:40	4.7	248	13	7.3	0
27/01/2023 01:50	4.6	252	11	6	0
27/01/2023 02:00	4.5	250	12	6.6	0
27/01/2023 02:10	4.4	252	11	6	0
27/01/2023 02:20	4.5	248	12	5.7	0
27/01/2023 02:30	4.4	247	12	6.7	0
27/01/2023 02:40	4.1	255	12	5.5	0
27/01/2023 02:50	4.3	253	12	5.7	0
27/01/2023 03:00	4.3	249	12	5.9	0
27/01/2023 03:10	4.3	252	12	5.6	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/01/2023 03:20	3.8	249	11	5.3	0
27/01/2023 03:30	3.4	253	10	4.9	0
27/01/2023 03:40	4.1	254	10	5.7	0
27/01/2023 03:50	4.7	256	12	6.2	0
27/01/2023 04:00	4.1	250	12	5.3	0
27/01/2023 04:10	3.7	254	12	5.1	0
27/01/2023 04:20	3.6	253	12	5.1	0
27/01/2023 04:30	3.8	255	11	4.9	0
27/01/2023 04:40	3.4	253	10	5	0
27/01/2023 04:50	3.6	257	10	5.1	0
27/01/2023 05:00	4	255	10	5.2	0
27/01/2023 05:10	2.9	244	13	4	0
27/01/2023 05:20	2.8	246	12	4	0
27/01/2023 05:30	2.6	254	11	3.4	0
27/01/2023 05:40	2.9	256	11	3.8	0
27/01/2023 05:50	3.4	257	10	4.6	0
27/01/2023 06:00	3.1	255	11	4.3	0
27/01/2023 06:10	3.8	254	11	4.8	0
27/01/2023 06:20	4.1	254	10	5.6	0
27/01/2023 06:30	4.6	247	11	6.4	0
27/01/2023 06:40	3.8	238	12	5.2	0
27/01/2023 06:50	2.8	231	15	4	0
27/01/2023 07:00	3	249	13	4.8	0
27/01/2023 07:10	3.1	248	14	4.2	0
27/01/2023 07:20	2.9	241	12	3.8	0
27/01/2023 07:30	3	256	14	4	0
27/01/2023 07:40	3.1	255	14	4	0
27/01/2023 07:50	3	259	15	4	0
27/01/2023 08:00	3.3	268	15	4.4	0
27/01/2023 08:10	3.1	260	14	3.9	0
27/01/2023 08:20	3.1	257	13	4.2	0
27/01/2023 08:30	3	270	17	3.6	0
27/01/2023 08:40	2.6	259	19	3.7	0
27/01/2023 08:50	2.4	259	25	3.6	0
27/01/2023 09:00	2.2	239	21	3.4	0
27/01/2023 09:10	2	229	21	3.2	0
27/01/2023 09:20	2.4	236	19	3.6	0
27/01/2023 09:30	2.6	260	22	3.9	0
27/01/2023 09:40	3.3	299	23	4.5	0
27/01/2023 09:50	3.1	293	18	4.6	0
27/01/2023 10:00	3.7	296	11	4.7	0
27/01/2023 10:10	3.6	296	14	4.8	0
27/01/2023 10:20	3.5	293	12	4.7	0
27/01/2023 10:30	2.9	296	13	4.4	0
27/01/2023 10:40	3	295	16	4.1	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/01/2023 10:50	3	296	25	4.4	0
27/01/2023 11:00	3.4	297	14	5.5	0
27/01/2023 11:10	3.8	296	13	5	0
27/01/2023 11:20	3.9	308	15	5.1	0
27/01/2023 11:30	4.6	300	12	6.3	0
27/01/2023 11:40	4.8	300	10	6.4	0
27/01/2023 11:50	4.9	304	14	6.5	0
27/01/2023 12:00	5.2	299	11	7	0
27/01/2023 12:10	5.9	299	8	6.9	0
27/01/2023 12:20	5.6	297	10	7	0
27/01/2023 12:30	5.3	297	11	6.7	0
27/01/2023 12:40	5.2	300	11	7.3	0
27/01/2023 12:50	6	296	11	7.5	0
27/01/2023 13:00	5.8	291	13	7.2	0
27/01/2023 13:10	5.9	287	12	7.5	0
27/01/2023 13:20	6	295	13	7.5	0
27/01/2023 13:30	6.5	292	12	7.9	0
27/01/2023 13:40	6.1	298	10	7.7	0
27/01/2023 13:50	6.1	295	12	7.9	0
27/01/2023 14:00	6	296	13	8.3	0
27/01/2023 14:10	6.1	298	12	7.5	0
27/01/2023 14:20	5.8	301	12	7.4	0
27/01/2023 14:30	5.9	291	14	7.8	0
27/01/2023 14:40	5.9	291	12	7.5	0
27/01/2023 14:50	5.7	295	15	7.8	0
27/01/2023 15:00	6.2	296	13	7.8	0
27/01/2023 15:10	6	285	14	7.7	0
27/01/2023 15:20	5.8	282	14	8.1	0
27/01/2023 15:30	5.5	297	14	7.2	0
27/01/2023 15:40	5.9	293	14	7.6	0
27/01/2023 15:50	5.5	293	14	7.4	0
27/01/2023 16:00	5.1	291	14	7.4	0
27/01/2023 16:10	4.1	290	17	5.9	0
27/01/2023 16:20	4.1	271	16	5.5	0
27/01/2023 16:30	4.3	283	15	5.5	0
27/01/2023 16:40	4.5	282	16	5.9	0
27/01/2023 16:50	4.8	295	11	6	0
27/01/2023 17:00	4.4	296	11	5.6	0
27/01/2023 17:10	4.9	294	11	6.7	0
27/01/2023 17:20	4.8	293	12	6.4	0
27/01/2023 17:30	3.9	290	13	5.5	0
27/01/2023 17:40	4.1	289	13	5.6	0
27/01/2023 17:50	4	275	15	5.4	0
27/01/2023 18:00	3.9	271	14	5.6	0
27/01/2023 18:10	5	296	10	6.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/01/2023 18:20	4.9	293	11	6.7	0
27/01/2023 18:30	4.7	288	12	6.2	0
27/01/2023 18:40	4.5	293	12	6.3	0
27/01/2023 18:50	4.6	293	10	6	0
27/01/2023 19:00	4.9	297	9	6.4	0
27/01/2023 19:10	4.4	294	12	5.7	0
27/01/2023 19:20	3.5	288	13	4.8	0
27/01/2023 19:30	3.7	284	12	5.5	0
27/01/2023 19:40	3.3	283	17	4.8	0
27/01/2023 19:50	3.3	296	11	4.4	0
27/01/2023 20:00	3	284	15	4.3	0
27/01/2023 20:10	3.1	283	15	4.1	0
27/01/2023 20:20	3.3	283	12	4.3	0
27/01/2023 20:30	4	295	10	5.2	0
27/01/2023 20:40	4	297	9	5.1	0
27/01/2023 20:50	3.4	289	14	4.9	0
27/01/2023 21:00	3.5	291	13	4.8	0
27/01/2023 21:10	3.9	297	10	5	0
27/01/2023 21:20	4	297	11	5.4	0
27/01/2023 21:30	3.1	307	19	4.4	0
27/01/2023 21:40	2.8	299	16	4.9	0
27/01/2023 21:50	4	296	12	5.3	0
27/01/2023 22:00	3	304	17	4.3	0
27/01/2023 22:10	1.6	344	35	3.2	0
27/01/2023 22:20	2.1	309	32	3.2	0
27/01/2023 22:30	1.8	327	37	3.5	0
27/01/2023 22:40	2.6	5	24	4.3	0
27/01/2023 22:50	2.1	182	27	3.6	0
27/01/2023 23:00	3.1	14	18	4.5	0
27/01/2023 23:10	3.4	24	14	4.8	0
27/01/2023 23:20	3.4	23	14	5.1	0
27/01/2023 23:30	3.5	20	16	4.8	0
27/01/2023 23:40	3.4	23	15	4.9	0
27/01/2023 23:50	3.7	24	16	5.2	0
28/01/2023 00:00	3.8	14	17	5.6	0
28/01/2023 00:10	3.7	18	17	5.5	0
28/01/2023 00:20	3.6	19	15	4.9	0
28/01/2023 00:30	3.4	19	17	5	0
28/01/2023 00:40	3.2	16	15	4.5	0
28/01/2023 00:50	3.1	22	17	4.5	0
28/01/2023 01:00	3.1	23	14	4.2	0
28/01/2023 01:10	2.7	20	19	4.3	0
28/01/2023 01:20	2.4	15	22	4	0
28/01/2023 01:30	1.4	335	57	2.4	0
28/01/2023 01:40	1.4	348	54	3	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/01/2023 01:50	2.5	12	25	4	0
28/01/2023 02:00	2.4	170	31	4.4	0
28/01/2023 02:10	2.5	9	20	4.3	0
28/01/2023 02:20	2.5	325	26	4.4	0
28/01/2023 02:30	2.3	323	23	3.7	0
28/01/2023 02:40	3.4	292	15	4.7	0
28/01/2023 02:50	3.7	287	15	5.2	0
28/01/2023 03:00	3.9	295	14	5.4	0
28/01/2023 03:10	3.4	293	12	5	0
28/01/2023 03:20	3.4	298	14	4.7	0
28/01/2023 03:30	3	278	19	4.4	0
28/01/2023 03:40	3.2	290	13	4.2	0
28/01/2023 03:50	2.7	281	20	4	0
28/01/2023 04:00	2.3	296	15	3.6	0
28/01/2023 04:10	2.1	291	21	3.2	0
28/01/2023 04:20	2	301	16	3	0
28/01/2023 04:30	1.8	291	21	3	0
28/01/2023 04:40	0.7	274	67	1.9	0
28/01/2023 04:50	1.6	276	17	2.3	0
28/01/2023 05:00	0.8	317	24	1.5	0
28/01/2023 05:10	0.7	358	40	1.7	0
28/01/2023 05:20	0.9	325	36	1.6	0
28/01/2023 05:30	0.8	141	16	1.6	0
28/01/2023 05:40	0.9	20	26	1.6	0
28/01/2023 05:50	1.5	23	17	2.4	0
28/01/2023 06:00	1.4	46	23	2.2	0
28/01/2023 06:10	1.7	32	15	2.6	0
28/01/2023 06:20	1.7	42	14	2.4	0
28/01/2023 06:30	2	37	18	2.9	0
28/01/2023 06:40	1.9	32	18	2.8	0
28/01/2023 06:50	2.3	35	18	3.2	0
28/01/2023 07:00	2.1	23	33	3.1	0
28/01/2023 07:10	2.2	16	22	3.2	0
28/01/2023 07:20	2.4	188	21	3.5	0
28/01/2023 07:30	2.3	21	17	3.7	0
28/01/2023 07:40	2.2	11	19	3.6	0
28/01/2023 07:50	2.6	27	30	4.3	0
28/01/2023 08:00	2.4	10	33	4	0
28/01/2023 08:10	3	74	16	4.3	0
28/01/2023 08:20	2.3	55	35	3.7	0
28/01/2023 08:30	2.2	68	17	3.6	0
28/01/2023 08:40	2.3	51	18	3.5	0
28/01/2023 08:50	2.9	51	17	4.4	0
28/01/2023 09:00	3.5	82	15	5.1	0
28/01/2023 09:10	3.9	83	15	5.7	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/01/2023 09:20	3.6	90	15	5.1	0
28/01/2023 09:30	4.3	89	16	6.1	0
28/01/2023 09:40	3.8	84	18	5.8	0
28/01/2023 09:50	4.2	74	18	5.4	0
28/01/2023 10:00	3.7	77	17	5.6	0
28/01/2023 10:10	4	72	16	5.3	0
28/01/2023 10:20	4.1	63	17	5.7	0
28/01/2023 10:30	4	74	20	6.4	0
28/01/2023 10:40	3.9	73	16	5.5	0
28/01/2023 10:50	4	81	18	6.1	0
28/01/2023 11:00	4.4	88	14	6.2	0
28/01/2023 11:10	4.7	86	15	6.7	0
28/01/2023 11:20	4.7	95	16	6.8	0
28/01/2023 11:30	5	97	14	7.1	0
28/01/2023 11:40	4.7	95	12	6.6	0
28/01/2023 11:50	4.6	93	16	6.1	0
28/01/2023 12:00	4.9	89	14	6.4	0
28/01/2023 12:10	4.1	73	18	6.6	0
28/01/2023 12:20	3.9	75	19	5.5	0
28/01/2023 12:30	3.8	80	18	5.6	0
28/01/2023 12:40	3.2	58	32	5.6	0
28/01/2023 12:50	3.6	52	30	5.5	0
28/01/2023 13:00	4.3	69	17	6	0
28/01/2023 13:10	3.6	208	32	5.6	0
28/01/2023 13:20	3.6	354	22	5.2	0
28/01/2023 13:30	3.7	7	23	5.6	0
28/01/2023 13:40	4	357	23	5.4	0
28/01/2023 13:50	3.9	178	21	6	0
28/01/2023 14:00	3.4	357	20	4.9	0
28/01/2023 14:10	3.9	347	22	5.7	0
28/01/2023 14:20	4.1	354	21	6	0
28/01/2023 14:30	4.1	356	20	6.1	0
28/01/2023 14:40	4.2	4	26	7.1	0
28/01/2023 14:50	4.5	357	21	6.7	0
28/01/2023 15:00	4.2	187	20	6.4	0
28/01/2023 15:10	4.6	14	26	7.1	0
28/01/2023 15:20	4.1	182	27	6.9	0
28/01/2023 15:30	3.9	180	26	6.3	0
28/01/2023 15:40	4.1	181	22	5.9	0
28/01/2023 15:50	4.4	183	23	7.2	0
28/01/2023 16:00	5.3	357	24	7.2	0
28/01/2023 16:10	5.1	351	24	8.2	0
28/01/2023 16:20	5.2	351	21	7	0
28/01/2023 16:30	4.5	351	20	6.5	0
28/01/2023 16:40	4	318	24	6.4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/01/2023 16:50	3.7	320	22	6	0
28/01/2023 17:00	2.5	347	30	4	0
28/01/2023 17:10	3.5	312	28	5.4	0
28/01/2023 17:20	2.9	330	25	5.1	0
28/01/2023 17:30	3.5	168	24	5.6	0
28/01/2023 17:40	2.3	328	41	3.9	0
28/01/2023 17:50	2.7	309	28	4.4	0
28/01/2023 18:00	2.9	304	22	4.7	0
28/01/2023 18:10	2.4	338	25	4.1	0
28/01/2023 18:20	2.6	190	31	4	0
28/01/2023 18:30	3	16	21	4.3	0
28/01/2023 18:40	2.8	6	20	4.1	0
28/01/2023 18:50	3.2	10	17	5.2	0
28/01/2023 19:00	3.3	11	20	4.7	0
28/01/2023 19:10	3.1	15	18	4.8	0
28/01/2023 19:20	2.4	16	26	3.9	0
28/01/2023 19:30	2.3	28	20	3.4	0
28/01/2023 19:40	2.9	193	18	4	0
28/01/2023 19:50	2.4	28	20	3.8	0
28/01/2023 20:00	2.2	16	23	3.3	0
28/01/2023 20:10	2.3	15	22	3.2	0
28/01/2023 20:20	2.1	30	22	3.1	0
28/01/2023 20:30	2.1	23	21	3.2	0
28/01/2023 20:40	1.9	18	22	3.2	0
28/01/2023 20:50	1.9	13	23	3	0
28/01/2023 21:00	1.5	18	27	2.4	0
28/01/2023 21:10	1.6	186	27	2.7	0
28/01/2023 21:20	1.5	25	21	2.4	0
28/01/2023 21:30	1.2	181	27	2	0
28/01/2023 21:40	1.2	191	31	2	0
28/01/2023 21:50	0.9	276	35	1.7	0
28/01/2023 22:00	2	296	12	3.1	0
28/01/2023 22:10	1.4	271	19	2.2	0
28/01/2023 22:20	0.6	197	13	1.3	0
28/01/2023 22:30	0.7	170	38	1.2	0
28/01/2023 22:40	0.4	302	23	1	0
28/01/2023 22:50	0.3	213	21	0.8	0
28/01/2023 23:00	1	287	11	1.7	0
28/01/2023 23:10	1.6	281	15	2.6	0
28/01/2023 23:20	1.6	270	15	2.3	0
28/01/2023 23:30	1.5	254	23	2.4	0
28/01/2023 23:40	0.5	256	19	0.8	0
28/01/2023 23:50	0.8	270	18	1.2	0
29/01/2023 00:00	1.3	287	18	2.1	0
29/01/2023 00:10	1.3	268	16	2.4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/01/2023 00:20	0.8	279	12	1.2	0
29/01/2023 00:30	0.3	296	7	0.9	0
29/01/2023 00:40	0.9	291	13	1.5	0
29/01/2023 00:50	1.6	259	10	2.5	0
29/01/2023 01:00	1.6	267	16	2.4	0
29/01/2023 01:10	1.6	256	15	2.1	0
29/01/2023 01:20	2.4	259	11	3.3	0
29/01/2023 01:30	2.4	256	11	3.4	0
29/01/2023 01:40	2.8	260	9	3.7	0
29/01/2023 01:50	1.7	256	12	2.4	0
29/01/2023 02:00	2	273	11	2.7	0
29/01/2023 02:10	2.1	270	12	2.9	0
29/01/2023 02:20	2.5	266	11	3.2	0
29/01/2023 02:30	2.8	262	8	3.6	0
29/01/2023 02:40	2.6	255	11	3.5	0
29/01/2023 02:50	3.2	245	12	4	0
29/01/2023 03:00	3.1	247	12	4	0
29/01/2023 03:10	2	227	21	3.4	0
29/01/2023 03:20	1.1	222	27	1.9	0
29/01/2023 03:30	1.7	236	16	2.3	0
29/01/2023 03:40	1.5	237	14	2.1	0
29/01/2023 03:50	2.4	249	11	3.3	0
29/01/2023 04:00	2.1	250	14	3.3	0
29/01/2023 04:10	1.9	246	15	2.8	0
29/01/2023 04:20	1.4	233	16	2.1	0
29/01/2023 04:30	1.6	255	16	2.4	0
29/01/2023 04:40	2.1	251	13	3.2	0
29/01/2023 04:50	2.3	249	10	3	0
29/01/2023 05:00	2.3	224	13	3	0
29/01/2023 05:10	2	232	15	2.8	0
29/01/2023 05:20	1.9	240	12	2.9	0
29/01/2023 05:30	1.5	238	11	2.1	0
29/01/2023 05:40	2.1	235	9	2.6	0
29/01/2023 05:50	2.5	236	10	3.2	0
29/01/2023 06:00	2.4	240	12	3.1	0
29/01/2023 06:10	1.9	242	13	2.5	0
29/01/2023 06:20	1.1	244	15	1.8	0
29/01/2023 06:30	0.1	200	7	0.6	0
29/01/2023 06:40	0.8	138	29	1.2	0
29/01/2023 06:50	1	116	15	1.2	0
29/01/2023 07:00	1.2	123	16	1.6	0
29/01/2023 07:10	0.7	106	22	1.2	0
29/01/2023 07:20	0.8	103	56	1.6	0
29/01/2023 07:30	1.5	191	47	2.9	0
29/01/2023 07:40	1.8	270	22	2.9	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/01/2023 07:50	2.1	251	17	3.3	0
29/01/2023 08:00	2.4	259	27	4.3	0
29/01/2023 08:10	2.6	236	21	3.6	0
29/01/2023 08:20	2.5	219	20	4.4	0
29/01/2023 08:30	3.5	226	18	4.9	0
29/01/2023 08:40	2.8	250	20	3.9	0
29/01/2023 08:50	2.7	250	17	4.4	0
29/01/2023 09:00	2.7	265	20	4	0
29/01/2023 09:10	2.7	269	24	3.9	0
29/01/2023 09:20	2.8	258	22	4.3	0
29/01/2023 09:30	2.8	259	19	4	0
29/01/2023 09:40	2.4	274	21	3.8	0
29/01/2023 09:50	2.6	239	21	4	0
29/01/2023 10:00	2.4	233	49	3.9	0
29/01/2023 10:10	2.7	252	17	4	0
29/01/2023 10:20	3.1	295	23	4.3	0
29/01/2023 10:30	3.4	302	16	5	0
29/01/2023 10:40	3.3	298	14	4.6	0
29/01/2023 10:50	3.2	287	22	4.8	0
29/01/2023 11:00	3.1	303	19	4.6	0
29/01/2023 11:10	2.7	291	22	4.4	0
29/01/2023 11:20	2.9	300	18	4.1	0
29/01/2023 11:30	2.8	302	18	4	0
29/01/2023 11:40	3.1	294	18	4.8	0
29/01/2023 11:50	3.8	299	16	5.4	0
29/01/2023 12:00	3.8	299	12	5.2	0
29/01/2023 12:10	3.6	299	12	5.2	0
29/01/2023 12:20	3.2	297	17	4.7	0
29/01/2023 12:30	3.4	307	18	4.9	0
29/01/2023 12:40	3.6	300	12	4.8	0
29/01/2023 12:50	3.6	299	17	5.5	0
29/01/2023 13:00	2.3	339	33	3.3	0
29/01/2023 13:10	2.1	189	49	3.6	0
29/01/2023 13:20	3	317	38	4.9	0
29/01/2023 13:30	2.9	336	40	4.8	0
29/01/2023 13:40	2.5	4	35	4.4	0
29/01/2023 13:50	2.6	353	27	3.9	0
29/01/2023 14:00	3.8	331	26	5.8	0
29/01/2023 14:10	3.3	324	25	5.4	0
29/01/2023 14:20	3.4	343	22	5.1	0
29/01/2023 14:30	3.2	14	23	4.7	0
29/01/2023 14:40	3.2	178	25	4.6	0
29/01/2023 14:50	3.5	330	25	6.1	0
29/01/2023 15:00	3.7	345	22	5.7	0
29/01/2023 15:10	3.8	317	24	6.4	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/01/2023 15:20	4.5	307	15	6.1	0
29/01/2023 15:30	4.4	315	23	7.2	0
29/01/2023 15:40	4.8	307	17	6.9	0
29/01/2023 15:50	4.2	311	19	6.4	0
29/01/2023 16:00	4.8	307	13	6.8	0
29/01/2023 16:10	4.9	302	14	6.9	0
29/01/2023 16:20	5.2	295	12	6.8	0
29/01/2023 16:30	5.2	298	9	6.8	0
29/01/2023 16:40	5.4	293	12	6.9	0
29/01/2023 16:50	4.8	297	12	6.5	0
29/01/2023 17:00	5.3	297	10	7	0
29/01/2023 17:10	5.1	296	13	6.4	0
29/01/2023 17:20	4.6	301	15	6.3	0
29/01/2023 17:30	3.9	309	15	5.2	0
29/01/2023 17:40	3.6	309	22	5.2	0
29/01/2023 17:50	4.1	299	16	6.1	0
29/01/2023 18:00	5	294	12	6.4	0
29/01/2023 18:10	4.3	295	16	6	0
29/01/2023 18:20	3.3	310	17	5.4	0
29/01/2023 18:30	3	180	25	4.8	0
29/01/2023 18:40	2.8	20	22	4	0
29/01/2023 18:50	3.1	20	19	4.7	0
29/01/2023 19:00	3	19	18	4.5	0
29/01/2023 19:10	2.7	13	23	4.3	0
29/01/2023 19:20	3	9	21	4.7	0
29/01/2023 19:30	2.9	175	21	4.5	0
29/01/2023 19:40	2.3	13	21	3.7	0
29/01/2023 19:50	1.8	333	33	3.6	0
29/01/2023 20:00	2.5	315	23	4.2	0
29/01/2023 20:10	3	306	16	4.8	0
29/01/2023 20:20	3.8	297	13	5.4	0
29/01/2023 20:30	3.5	302	17	4.7	0
29/01/2023 20:40	3.5	302	15	4.8	0
29/01/2023 20:50	2.9	307	17	4.2	0
29/01/2023 21:00	3.4	301	14	4.8	0
29/01/2023 21:10	3.3	301	14	5	0
29/01/2023 21:20	3.3	300	14	4.9	0
29/01/2023 21:30	2.8	304	15	4.3	0
29/01/2023 21:40	1.9	311	30	3.6	0
29/01/2023 21:50	2.7	300	16	4.1	0
29/01/2023 22:00	3.2	284	11	4.2	0
29/01/2023 22:10	2.8	287	15	4.4	0
29/01/2023 22:20	1.7	305	31	3.2	0
29/01/2023 22:30	1.8	322	27	3.2	0
29/01/2023 22:40	1.3	348	33	2.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/01/2023 22:50	1.6	331	31	3.4	0
29/01/2023 23:00	1.9	311	26	3.1	0
29/01/2023 23:10	2.1	317	23	3.5	0
29/01/2023 23:20	1.7	321	27	3.1	0
29/01/2023 23:30	1.2	301	31	1.8	0
29/01/2023 23:40	0.8	199	78	1.5	0
29/01/2023 23:50	1.4	301	48	2.4	0
30/01/2023 00:00	1.3	326	33	2.3	0
30/01/2023 00:10	1.4	258	26	2.2	0
30/01/2023 00:20	2	253	12	2.8	0
30/01/2023 00:30	2.2	262	12	3	0
30/01/2023 00:40	2.1	262	13	2.8	0
30/01/2023 00:50	3	259	9	4	0
30/01/2023 01:00	3.1	258	9	3.9	0
30/01/2023 01:10	3.6	258	8	4.3	0
30/01/2023 01:20	3.7	262	9	4.5	0
30/01/2023 01:30	3.6	261	7	4.5	0
30/01/2023 01:40	3.6	261	8	4.4	0
30/01/2023 01:50	3.7	263	8	4.6	0
30/01/2023 02:00	3.5	260	9	4.6	0
30/01/2023 02:10	3.2	261	9	4.1	0
30/01/2023 02:20	3.5	261	8	4.3	0
30/01/2023 02:30	3.3	260	10	4.1	0
30/01/2023 02:40	3.2	261	8	4.1	0
30/01/2023 02:50	3.4	261	9	4.4	0
30/01/2023 03:00	3.3	262	10	4.1	0
30/01/2023 03:10	3.5	261	8	4.6	0
30/01/2023 03:20	3.6	260	8	4.4	0
30/01/2023 03:30	3.7	258	9	4.5	0
30/01/2023 03:40	3.6	260	8	4.4	0
30/01/2023 03:50	3.2	256	10	4.3	0
30/01/2023 04:00	3	249	10	4.2	0
30/01/2023 04:10	3.2	256	9	4.3	0
30/01/2023 04:20	3.6	253	10	4.8	0
30/01/2023 04:30	3.2	252	11	4.2	0
30/01/2023 04:40	3.1	252	11	4.3	0
30/01/2023 04:50	3.2	250	11	4.7	0
30/01/2023 05:00	3.6	252	11	4.5	0
30/01/2023 05:10	3.4	250	11	4.3	0
30/01/2023 05:20	3.2	239	14	4.4	0
30/01/2023 05:30	3.1	232	11	4.2	0
30/01/2023 05:40	2.7	231	16	3.9	0
30/01/2023 05:50	2.7	230	12	3.9	0
30/01/2023 06:00	2.7	231	13	3.5	0
30/01/2023 06:10	2.6	231	16	3.8	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/01/2023 06:20	3.1	238	13	4	0
30/01/2023 06:30	3.2	230	13	4.4	0
30/01/2023 06:40	2.8	229	15	3.8	0
30/01/2023 06:50	2.9	228	14	4	0
30/01/2023 07:00	2.6	220	14	3.6	0
30/01/2023 07:10	2.7	220	20	3.6	0
30/01/2023 07:20	2.3	215	36	3.6	0
30/01/2023 07:30	2.5	226	16	3.6	0
30/01/2023 07:40	2.2	225	35	3.2	0
30/01/2023 07:50	2	218	56	3.4	0
30/01/2023 08:00	2.5	219	49	3.9	0
30/01/2023 08:10	1.9	142	62	3.6	0
30/01/2023 08:20	1.7	153	56	2.6	0
30/01/2023 08:30	1.5	150	59	2.4	0
30/01/2023 08:40	1.4	179	51	2.2	0
30/01/2023 08:50	1.5	201	35	2.8	0
30/01/2023 09:00	1.5	112	47	2.6	0
30/01/2023 09:10	3.2	85	21	4.5	0
30/01/2023 09:20	3.2	89	15	4.4	0
30/01/2023 09:30	2.6	85	22	4	0
30/01/2023 09:40	2.8	86	16	4.4	0
30/01/2023 09:50	3	96	15	4.4	0
30/01/2023 10:00	2.3	98	24	3.7	0
30/01/2023 10:10	2.7	127	24	4.6	0
30/01/2023 10:20	2.6	113	27	4	0
30/01/2023 10:30	2.7	102	20	4.6	0
30/01/2023 10:40	3	85	18	4.6	0
30/01/2023 10:50	3.1	82	18	4.7	0
30/01/2023 11:00	2.8	87	23	4.8	0
30/01/2023 11:10	2.4	88	34	4.7	0
30/01/2023 11:20	2.3	96	32	4	0
30/01/2023 11:30	2.5	60	41	4.4	0
30/01/2023 11:40	1.9	216	45	3.4	0
30/01/2023 11:50	1.7	67	58	3.3	0
30/01/2023 12:00	3.1	333	40	5.1	0
30/01/2023 12:10	3.4	356	23	5.3	0
30/01/2023 12:20	3.5	352	23	5.3	0
30/01/2023 12:30	3.7	354	24	5.1	0
30/01/2023 12:40	2.9	178	24	4.7	0
30/01/2023 12:50	3.2	350	24	4.8	0
30/01/2023 13:00	3.8	349	23	5.8	0
30/01/2023 13:10	4	356	18	6.2	0
30/01/2023 13:20	4	181	22	6.1	0
30/01/2023 13:30	4.6	182	20	6.4	0
30/01/2023 13:40	5	346	21	7.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/01/2023 13:50	4.7	350	22	6.4	0
30/01/2023 14:00	4.5	181	18	6.2	0
30/01/2023 14:10	3.9	184	19	5.6	0
30/01/2023 14:20	4	173	20	6.3	0
30/01/2023 14:30	4	333	23	6.2	0
30/01/2023 14:40	4.3	354	18	6	0
30/01/2023 14:50	3.7	340	21	5.7	0
30/01/2023 15:00	3.8	338	24	5.8	0
30/01/2023 15:10	4	346	20	6.1	0
30/01/2023 15:20	3.5	345	27	5.4	0
30/01/2023 15:30	4	322	23	5.7	0
30/01/2023 15:40	5	309	13	7.4	0
30/01/2023 15:50	5.9	299	15	7.7	0
30/01/2023 16:00	6.1	296	12	7.9	0
30/01/2023 16:10	5.9	296	12	7.7	0
30/01/2023 16:20	5.8	297	10	7.1	0
30/01/2023 16:30	5.4	294	15	6.9	0
30/01/2023 16:40	5.6	297	12	7.3	0
30/01/2023 16:50	4.9	290	15	6.4	0
30/01/2023 17:00	5	286	15	6.6	0
30/01/2023 17:10	5.3	292	13	7.4	0
30/01/2023 17:20	5.2	291	12	6.8	0
30/01/2023 17:30	4.9	273	14	6.8	0
30/01/2023 17:40	5	241	16	8.2	0
30/01/2023 17:50	3.4	242	21	4.4	0
30/01/2023 18:00	4.2	247	11	5.3	0
30/01/2023 18:10	3.8	240	15	5.6	0
30/01/2023 18:20	3.5	263	14	4.8	0
30/01/2023 18:30	3.5	262	11	4.8	0
30/01/2023 18:40	3.2	266	15	4.3	0
30/01/2023 18:50	2.7	256	13	3.6	0
30/01/2023 19:00	2.9	251	12	3.9	0
30/01/2023 19:10	3.3	248	12	4.3	0
30/01/2023 19:20	3.3	265	13	4.3	0
30/01/2023 19:30	3.9	266	12	5	0
30/01/2023 19:40	3.9	264	11	4.9	0
30/01/2023 19:50	3.7	271	14	4.6	0
30/01/2023 20:00	3.4	263	12	4.3	0
30/01/2023 20:10	3.2	271	12	4.3	0
30/01/2023 20:20	3.4	266	11	4.4	0
30/01/2023 20:30	3.1	265	12	4.4	0
30/01/2023 20:40	2.6	276	14	3.4	0
30/01/2023 20:50	2.8	251	12	3.8	0
30/01/2023 21:00	3	243	13	4	0
30/01/2023 21:10	2.8	224	14	3.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/01/2023 21:20	3	231	12	3.9	0
30/01/2023 21:30	2.9	228	12	4	0
30/01/2023 21:40	2.5	239	17	3.3	0
30/01/2023 21:50	2	220	21	2.8	0
30/01/2023 22:00	1	222	44	1.7	0
30/01/2023 22:10	1.7	226	14	2.4	0
30/01/2023 22:20	1.7	240	16	2.3	0
30/01/2023 22:30	1.5	273	17	2.2	0
30/01/2023 22:40	1.4	286	13	2	0
30/01/2023 22:50	1.5	284	16	2.3	0
30/01/2023 23:00	0.8	263	19	1.3	0
30/01/2023 23:10	0.3	236	23	0.8	0
30/01/2023 23:20	0.8	46	18	1.8	0
30/01/2023 23:30	1.9	172	28	2.8	0
30/01/2023 23:40	2.2	279	17	3.1	0
30/01/2023 23:50	1.5	276	16	2.2	0
31/01/2023 00:00	1.9	280	13	2.4	0
31/01/2023 00:10	1.7	271	11	2.4	0
31/01/2023 00:20	2.1	264	11	2.9	0
31/01/2023 00:30	2.4	262	9	3.1	0
31/01/2023 00:40	2.3	257	12	3	0
31/01/2023 00:50	2.3	258	13	2.9	0
31/01/2023 01:00	2.4	258	12	3.2	0
31/01/2023 01:10	2.6	259	9	3.3	0
31/01/2023 01:20	2.6	261	9	3.4	0
31/01/2023 01:30	3	260	9	3.8	0
31/01/2023 01:40	2.8	265	11	3.4	0
31/01/2023 01:50	2.2	270	16	3.2	0
31/01/2023 02:00	1.7	268	16	2.4	0
31/01/2023 02:10	1.3	281	14	1.8	0
31/01/2023 02:20	0.6	271	11	1.1	0
31/01/2023 02:30	0.8	276	14	1.2	0
31/01/2023 02:40	0.3	313	5	0.8	0
31/01/2023 02:50					0
31/01/2023 03:00	0.4	60	7	0.8	0
31/01/2023 03:10	0.3	308	8	0.7	0
31/01/2023 03:20	0.2	290	6	0.6	0
31/01/2023 03:30	0.2	280	5	0.8	0
31/01/2023 03:40	1	314	12	1.5	0
31/01/2023 03:50	0.7	328	23	1.4	0
31/01/2023 04:00	1.2	266	13	1.7	0
31/01/2023 04:10	0.8	273	11	1.6	0
31/01/2023 04:20	1	289	9	1.8	0
31/01/2023 04:30	0.9	277	10	1.6	0
31/01/2023 04:40	1.5	248	13	2.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/01/2023 04:50	1.3	269	11	2	0
31/01/2023 05:00	0.3	284	7	0.8	0
31/01/2023 05:10	0.4	293	5	1	0
31/01/2023 05:20	1	222	15	1.6	0
31/01/2023 05:30	0.9	274	16	1.2	0
31/01/2023 05:40	0.1	276	6	0.6	0
31/01/2023 05:50	0.6	132	21	1.2	0
31/01/2023 06:00	0.8	130	13	1.2	0
31/01/2023 06:10	1.3	137	15	2	0
31/01/2023 06:20	1.5	108	12	2.3	0
31/01/2023 06:30	1.1	114	22	1.7	0
31/01/2023 06:40	2.5	91	13	3.6	0
31/01/2023 06:50	2.7	97	17	3.6	0
31/01/2023 07:00	2.9	97	14	4	0
31/01/2023 07:10	3.1	111	13	4.3	0
31/01/2023 07:20	3.8	104	11	5.1	0
31/01/2023 07:30	3.7	98	12	5.2	0
31/01/2023 07:40	3.9	95	12	5.2	0
31/01/2023 07:50	3.7	100	12	5.2	0
31/01/2023 08:00	4.2	100	11	5.3	0
31/01/2023 08:10	4.1	89	12	5.4	0
31/01/2023 08:20	4.1	96	14	5.7	0
31/01/2023 08:30	4.4	88	13	6	0
31/01/2023 08:40	4.1	92	12	6	0
31/01/2023 08:50	4.2	83	13	5.8	0
31/01/2023 09:00	4.2	76	12	6	0
31/01/2023 09:10	4.3	81	16	5.9	0
31/01/2023 09:20	5	79	10	6.7	0
31/01/2023 09:30	5	72	14	6.9	0
31/01/2023 09:40	4.5	85	13	6.5	0
31/01/2023 09:50	4.6	87	15	5.7	0
31/01/2023 10:00	4.3	67	12	6.2	0
31/01/2023 10:10	4.4	83	16	6	0
31/01/2023 10:20	4	74	15	5.6	0
31/01/2023 10:30	4.2	85	12	5.6	0
31/01/2023 10:40	3.9	73	15	5.8	0
31/01/2023 10:50	3.8	67	17	5.4	0
31/01/2023 11:00	3.9	72	14	5.8	0
31/01/2023 11:10	3.8	67	16	5.3	0
31/01/2023 11:20	3.4	73	17	5.1	0
31/01/2023 11:30	3.2	50	21	4.7	0
31/01/2023 11:40	3.7	53	15	5.3	0
31/01/2023 11:50	3.1	46	22	4.9	0
31/01/2023 12:00	3	59	24	5.3	0
31/01/2023 12:10	3	57	29	5.3	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/01/2023 12:20	2.3	61	36	3.7	0
31/01/2023 12:30	3.3	18	30	5.1	0
31/01/2023 12:40	4.8	345	21	6.8	0
31/01/2023 12:50	4.7	347	23	6.7	0
31/01/2023 13:00	5	335	19	7	0
31/01/2023 13:10	4.4	169	25	6.3	0
31/01/2023 13:20	4.7	350	25	6.7	0
31/01/2023 13:30	4.2	176	18	6.1	0
31/01/2023 13:40	4.1	356	22	5.9	0
31/01/2023 13:50	4.5	346	20	6.9	0
31/01/2023 14:00	4.6	5	21	6.8	0
31/01/2023 14:10	4.4	357	23	6.6	0
31/01/2023 14:20	3.7	181	21	5	0
31/01/2023 14:30	4	354	24	5.8	0
31/01/2023 14:40	4.6	176	23	6.6	0
31/01/2023 14:50	4.3	354	22	6.6	0
31/01/2023 15:00	4.6	355	19	6.1	0
31/01/2023 15:10	4.3	13	19	6.2	0
31/01/2023 15:20	4.4	182	24	6.4	0
31/01/2023 15:30	3.9	184	21	5.7	0
31/01/2023 15:40	4.1	182	23	5.8	0
31/01/2023 15:50	4.1	2	27	6	0
31/01/2023 16:00	4.4	180	19	6.5	0
31/01/2023 16:10	4.5	355	22	6.4	0
31/01/2023 16:20	5	347	20	7.2	0
31/01/2023 16:30	4.6	349	22	6.8	0
31/01/2023 16:40	5.1	347	19	7.7	0
31/01/2023 16:50	4.9	357	22	6.8	0
31/01/2023 17:00	5.3	175	17	7.2	0
31/01/2023 17:10	4.7	355	23	7.1	0
31/01/2023 17:20	5	182	21	7.2	0
31/01/2023 17:30	4.6	181	20	7.2	0
31/01/2023 17:40	4.7	359	22	6.8	0
31/01/2023 17:50	3.9	353	23	6.2	0
31/01/2023 18:00	3.7	331	22	6.5	0
31/01/2023 18:10	4.9	302	12	6.8	0
31/01/2023 18:20	4.9	305	15	6.8	0
31/01/2023 18:30	5	304	14	7	0
31/01/2023 18:40	5.2	289	11	7.2	0
31/01/2023 18:50	4.7	274	14	6.3	0
31/01/2023 19:00	5.2	260	11	6.8	0
31/01/2023 19:10	6	247	12	7.7	0
31/01/2023 19:20	5.2	238	13	8.4	0
31/01/2023 19:30	5.4	233	15	8	0
31/01/2023 19:40	3.6	211	75	7.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/01/2023 19:50	3.7	136	60	6.2	0
31/01/2023 20:00	4.7	144	28	7.1	0
31/01/2023 20:10	3.2	132	55	5.5	0
31/01/2023 20:20	3.7	140	40	6	0
31/01/2023 20:30	3.7	144	35	5.9	0
31/01/2023 20:40	3.1	138	42	5.3	0
31/01/2023 20:50	3.5	143	29	5.3	0
31/01/2023 21:00	4.1	145	37	7.2	0
31/01/2023 21:10	3.1	142	33	5.2	0
31/01/2023 21:20	2.7	139	32	4.1	0
31/01/2023 21:30	2.3	144	46	3.8	0
31/01/2023 21:40	1.7	109	83	3.3	0
31/01/2023 21:50	1.7	138	84	3	0
31/01/2023 22:00	1.7	344	89	2.5	0
31/01/2023 22:10	1.8	289	77	3	0
31/01/2023 22:20	1.9	114	90	3.2	0
31/01/2023 22:30	1.9	128	87	3.7	0
31/01/2023 22:40	1.6	162	93	2.8	0
31/01/2023 22:50	1.6	220	69	2.9	0
31/01/2023 23:00	1.4	174	77	2.5	0
31/01/2023 23:10	2.1	133	46	3.6	0
31/01/2023 23:20	2.4	124	26	4.2	0
31/01/2023 23:30	1.8	103	23	2.9	0
31/01/2023 23:40	2	85	24	3.1	0
31/01/2023 23:50	2.2	121	25	3.2	0
01/02/2023 00:00	2.5	147	40	4.3	0
01/02/2023 00:10	2.2	138	40	3.8	0
01/02/2023 00:20	1.4	130	30	2.2	0
01/02/2023 00:30	1.3	131	15	2	0
01/02/2023 00:40	1.3	108	20	1.8	0
01/02/2023 00:50	1.7	115	12	2.2	0
01/02/2023 01:00	1.1	143	35	2	0
01/02/2023 01:10	1	215	40	1.6	0
01/02/2023 01:20	1.5	233	14	2.2	0
01/02/2023 01:30	2	248	11	3	0
01/02/2023 01:40	2.1	235	14	2.8	0
01/02/2023 01:50	2	229	14	3.1	0
01/02/2023 02:00	1.8	234	13	2.7	0
01/02/2023 02:10	1.5	223	19	2.2	0
01/02/2023 02:20	0.9	220	21	1.7	0
01/02/2023 02:30	1.3	228	12	1.8	0
01/02/2023 02:40	1.6	230	17	2	0
01/02/2023 02:50	2	232	13	2.8	0
01/02/2023 03:00	2	231	12	2.6	0
01/02/2023 03:10	2.1	236	11	2.7	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/02/2023 03:20	1.8	235	11	2.7	0
01/02/2023 03:30	1.7	230	12	2.4	0
01/02/2023 03:40	1.7	230	11	2.4	0
01/02/2023 03:50	1.9	232	11	2.7	0
01/02/2023 04:00	1.8	235	11	2.4	0
01/02/2023 04:10	1.7	241	9	2.5	0
01/02/2023 04:20	1.3	231	13	2	0
01/02/2023 04:30	1.4	234	15	2	0
01/02/2023 04:40	0.7	218	16	1.1	0
01/02/2023 04:50	1.1	223	16	1.6	0
01/02/2023 05:00	1.5	239	12	2.1	0
01/02/2023 05:10	2.1	231	11	2.8	0
01/02/2023 05:20	2.5	246	12	3.4	0
01/02/2023 05:30	2.3	245	13	3.2	0
01/02/2023 05:40	2.1	236	15	2.9	0
01/02/2023 05:50	2.3	238	13	3.2	0
01/02/2023 06:00	2.1	247	10	2.7	0
01/02/2023 06:10	2.1	258	11	3.1	0
01/02/2023 06:20	2.6	261	8	3.4	0
01/02/2023 06:30	2.4	261	9	3.2	0
01/02/2023 06:40	2.6	262	8	3.4	0
01/02/2023 06:50	2.4	257	12	3.4	0
01/02/2023 07:00	1.8	234	29	2.6	0
01/02/2023 07:10	1.7	220	34	2.4	0
01/02/2023 07:20	1.2	217	59	2.4	0
01/02/2023 07:30	1.8	230	20	2.8	0
01/02/2023 07:40	1.7	220	36	2.8	0
01/02/2023 07:50	1.6	228	29	2.7	0
01/02/2023 08:00	2.2	243	17	3.4	0
01/02/2023 08:10	1.8	238	22	3.3	0
01/02/2023 08:20	2.1	227	30	3.2	0
01/02/2023 08:30	2	242	20	3.1	0
01/02/2023 08:40	2.3	242	17	3.2	0
01/02/2023 08:50	1.9	223	41	3.5	0
01/02/2023 09:00	2.1	236	28	3.3	0
01/02/2023 09:10	2.3	261	34	4	0
01/02/2023 09:20	2.3	243	29	3.6	0
01/02/2023 09:30	1.8	269	29	3	0
01/02/2023 09:40	2.7	262	17	4.1	0
01/02/2023 09:50	2.9	261	17	4	0
01/02/2023 10:00	2.8	244	17	4	0
01/02/2023 10:10	2.1	251	27	3.4	0
01/02/2023 10:20	2.3	266	27	3.8	0
01/02/2023 10:30	1.9	273	47	3.2	0
01/02/2023 10:40	2.2	281	23	3.3	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/02/2023 10:50	3.2	296	21	4.8	0
01/02/2023 11:00	3.5	297	13	4.8	0
01/02/2023 11:10	3.4	280	18	4.6	0
01/02/2023 11:20	3.3	291	20	4.4	0
01/02/2023 11:30	3.3	291	26	4.7	0
01/02/2023 11:40	3.2	306	22	4.8	0
01/02/2023 11:50	3.6	295	16	5.6	0
01/02/2023 12:00	3.5	307	19	5.5	0
01/02/2023 12:10	4.1	309	16	6	0
01/02/2023 12:20	4.7	300	16	6	0
01/02/2023 12:30	5	297	12	6.7	0
01/02/2023 12:40	5.3	298	9	6.6	0
01/02/2023 12:50	5.5	298	9	6.8	0
01/02/2023 13:00	5.6	301	9	6.8	0
01/02/2023 13:10	5.4	302	11	7	0
01/02/2023 13:20	5.6	300	9	6.9	0
01/02/2023 13:30	5.5	298	10	7.2	0
01/02/2023 13:40	5.6	295	12	7.2	0
01/02/2023 13:50	5.2	299	13	7.2	0
01/02/2023 14:00	5.4	306	16	7.6	0
01/02/2023 14:10	4.4	318	20	6.7	0
01/02/2023 14:20	4.6	318	20	7.4	0
01/02/2023 14:30	4.5	314	18	6.9	0
01/02/2023 14:40	5.3	308	15	7.9	0
01/02/2023 14:50	5.1	304	12	6.7	0
01/02/2023 15:00	5.2	300	14	6.9	0
01/02/2023 15:10	5.4	293	17	7.2	0
01/02/2023 15:20	5.9	295	13	7.5	0
01/02/2023 15:30	5.4	301	14	7.4	0
01/02/2023 15:40	5.8	296	11	8	0
01/02/2023 15:50	6.2	297	10	7.5	0
01/02/2023 16:00	5.8	296	11	8.1	0
01/02/2023 16:10	6	291	10	7.9	0
01/02/2023 16:20	5.6	287	14	7.4	0
01/02/2023 16:30	5.5	291	13	7.2	0
01/02/2023 16:40	5.1	289	14	6.7	0
01/02/2023 16:50	5.7	296	10	7.3	0
01/02/2023 17:00	5.1	292	13	6.9	0
01/02/2023 17:10	5.4	298	13	7.1	0
01/02/2023 17:20	5.6	297	11	7.3	0
01/02/2023 17:30	5	297	14	6.5	0
01/02/2023 17:40	5.1	289	14	6.4	0
01/02/2023 17:50	5	292	10	6.5	0
01/02/2023 18:00	5.1	291	13	6.8	0
01/02/2023 18:10	4.8	286	13	6.3	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/02/2023 18:20	4.6	289	14	6.4	0
01/02/2023 18:30	4.7	287	13	6.2	0
01/02/2023 18:40	4.5	288	14	5.9	0
01/02/2023 18:50	3.9	287	15	5.4	0
01/02/2023 19:00	4.3	294	13	6	0
01/02/2023 19:10	4.6	290	13	6.2	0
01/02/2023 19:20	4.6	296	10	6	0
01/02/2023 19:30	4	285	15	5.5	0
01/02/2023 19:40	4.4	290	12	6	0
01/02/2023 19:50	4	286	15	5.2	0
01/02/2023 20:00	4.5	293	15	6	0
01/02/2023 20:10	4.6	295	11	6.3	0
01/02/2023 20:20	4.5	297	12	5.8	0
01/02/2023 20:30	4.4	291	11	6	0
01/02/2023 20:40	4.6	295	11	5.8	0
01/02/2023 20:50	4.7	296	10	6.3	0
01/02/2023 21:00	4.4	292	16	5.7	0
01/02/2023 21:10	4.5	292	11	6.1	0
01/02/2023 21:20	4.2	292	11	5.5	0
01/02/2023 21:30	4.3	290	14	5.6	0
01/02/2023 21:40	4.5	298	10	6	0
01/02/2023 21:50	4.5	297	10	6.1	0
01/02/2023 22:00	4.3	298	12	5.9	0
01/02/2023 22:10	4.3	291	13	6.2	0
01/02/2023 22:20	4	289	13	5.6	0
01/02/2023 22:30	4.2	289	12	5.6	0
01/02/2023 22:40	4.3	292	14	5.8	0
01/02/2023 22:50	3.8	289	13	5.2	0
01/02/2023 23:00	3.7	288	15	5.2	0
01/02/2023 23:10	3.8	284	14	5.3	0
01/02/2023 23:20	3.6	279	13	5.1	0
01/02/2023 23:30	3.2	278	16	4.6	0
01/02/2023 23:40	3.9	269	13	5.2	0
01/02/2023 23:50	4.3	265	10	5.3	0
02/02/2023 00:00	4.1	264	11	5.5	0
02/02/2023 00:10	3.7	269	13	4.8	0
02/02/2023 00:20	3.5	264	10	4.6	0
02/02/2023 00:30	4.1	266	12	5.2	0
02/02/2023 00:40	3.7	265	10	5.2	0
02/02/2023 00:50	4.1	266	10	5.7	0
02/02/2023 01:00	4.1	261	9	5.6	0
02/02/2023 01:10	3.9	264	9	5.1	0
02/02/2023 01:20	3.7	265	10	5	0
02/02/2023 01:30	4.2	262	10	5.9	0
02/02/2023 01:40	4.4	262	12	6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/02/2023 01:50	4.2	261	10	5.4	0
02/02/2023 02:00	4.6	263	9	6.1	0
02/02/2023 02:10	4.4	263	10	5.9	0
02/02/2023 02:20	4.3	260	11	5.6	0
02/02/2023 02:30	4.6	261	10	5.8	0
02/02/2023 02:40	4.7	263	10	5.7	0
02/02/2023 02:50	4.4	257	12	6.1	0
02/02/2023 03:00	4.2	257	11	5.8	0
02/02/2023 03:10	3.5	257	11	4.8	0
02/02/2023 03:20	3.9	260	11	5.4	0
02/02/2023 03:30	3.7	254	12	4.8	0
02/02/2023 03:40	3.5	260	12	5.2	0
02/02/2023 03:50	3.8	262	8	5.1	0
02/02/2023 04:00	3.9	262	10	5.2	0
02/02/2023 04:10	3.5	268	12	4.6	0
02/02/2023 04:20	3.4	268	13	4.4	0
02/02/2023 04:30	3	265	11	4	0
02/02/2023 04:40	3.1	260	10	4.4	0
02/02/2023 04:50	2.8	263	10	3.7	0
02/02/2023 05:00	2.7	268	12	3.9	0
02/02/2023 05:10	2.6	272	13	3.4	0
02/02/2023 05:20	2.4	275	14	3.7	0
02/02/2023 05:30	2.4	280	13	3.4	0
02/02/2023 05:40	2.6	278	14	3.6	0
02/02/2023 05:50	3	271	13	4	0
02/02/2023 06:00	2.8	265	9	3.7	0
02/02/2023 06:10	2.9	263	9	3.6	0
02/02/2023 06:20	2.4	258	9	3.2	0
02/02/2023 06:30	2.8	265	15	3.7	0
02/02/2023 06:40	3.1	261	10	3.9	0
02/02/2023 06:50	3.2	266	13	4.4	0
02/02/2023 07:00	3.1	260	13	4.1	0
02/02/2023 07:10	3.1	253	14	4.1	0
02/02/2023 07:20	2.9	264	14	4.2	0
02/02/2023 07:30	2.9	275	17	3.9	0
02/02/2023 07:40	3.1	278	21	4.2	0
02/02/2023 07:50	2.9	283	17	4	0
02/02/2023 08:00	3.1	286	17	4.6	0
02/02/2023 08:10	3.2	290	16	4.2	0
02/02/2023 08:20	3.2	286	16	4.8	0
02/02/2023 08:30	3.1	288	14	4.7	0
02/02/2023 08:40	3.8	294	11	4.9	0
02/02/2023 08:50	3.8	293	14	5.3	0
02/02/2023 09:00	3.9	292	12	5.2	0
02/02/2023 09:10	4.1	300	13	6.3	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/02/2023 09:20	4.2	294	15	6.1	0
02/02/2023 09:30	3.1	317	27	5	0
02/02/2023 09:40	3.2	350	26	5	0
02/02/2023 09:50	3.9	182	24	5.3	0
02/02/2023 10:00	4.1	22	20	6.2	0
02/02/2023 10:10	3.8	13	19	5.8	0
02/02/2023 10:20	3.9	8	25	5.6	0
02/02/2023 10:30	4.2	10	21	6.8	0
02/02/2023 10:40	4.3	5	20	6.4	0
02/02/2023 10:50	4.3	183	18	6.3	0
02/02/2023 11:00	4.1	185	17	5.8	0
02/02/2023 11:10	4.3	184	22	6.1	0
02/02/2023 11:20	4.6	13	23	6.9	0
02/02/2023 11:30	4.2	10	24	6.4	0
02/02/2023 11:40	4.4	353	26	6.8	0
02/02/2023 11:50	4.5	6	20	6.3	0
02/02/2023 12:00	4.6	181	21	7.2	0
02/02/2023 12:10	5.1	179	23	7.5	0
02/02/2023 12:20	4.7	183	21	6.7	0
02/02/2023 12:30	4.6	180	27	6.6	0
02/02/2023 12:40	4.5	5	20	6.6	0
02/02/2023 12:50	4.8	180	18	6.8	0
02/02/2023 13:00	4.4	181	25	6.6	0
02/02/2023 13:10	3.9	352	23	6.3	0
02/02/2023 13:20	3.9	333	29	6.5	0
02/02/2023 13:30	4	323	22	6.5	0
02/02/2023 13:40	4.1	352	25	6	0
02/02/2023 13:50	4.1	326	23	6.7	0
02/02/2023 14:00	4.1	343	25	6.3	0
02/02/2023 14:10	4.8	316	21	7.8	0
02/02/2023 14:20	5.6	306	14	9	0
02/02/2023 14:30	5.8	304	15	8.4	0
02/02/2023 14:40	5	304	16	7.5	0
02/02/2023 14:50	3.9	323	26	7.2	0
02/02/2023 15:00	4.6	313	20	7.5	0
02/02/2023 15:10	5.7	301	11	7.6	0
02/02/2023 15:20	4	318	23	6.6	0
02/02/2023 15:30	4.3	318	20	6.8	0
02/02/2023 15:40	4.3	311	20	7.3	0
02/02/2023 15:50	4.9	306	17	7.5	0
02/02/2023 16:00	5.8	300	14	7.9	0
02/02/2023 16:10	5.5	295	13	7.7	0
02/02/2023 16:20	6.1	294	11	8	0
02/02/2023 16:30	5.9	294	12	7.9	0
02/02/2023 16:40	6.2	293	10	7.8	0



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/02/2023 16:50	6.2	297	11	8.1	0
02/02/2023 17:00	6.5	296	11	8.3	0
02/02/2023 17:10	6.5	295	11	8.3	0
02/02/2023 17:20	6.5	296	11	8.5	0
02/02/2023 17:30	6.1	297	10	7.8	0
02/02/2023 17:40	5.6	297	11	7.6	0
02/02/2023 17:50	4.9	293	16	6.4	0
02/02/2023 18:00	4.6	280	14	6	0
02/02/2023 18:10	4.6	270	14	6.4	0
02/02/2023 18:20	4.2	277	17	5.5	0
02/02/2023 18:30	4.2	270	15	6	0
02/02/2023 18:40	4.1	269	13	5.5	0
02/02/2023 18:50	3.9	253	16	5.3	0
02/02/2023 19:00	3.5	244	16	4.8	0
02/02/2023 19:10	3.4	241	13	4.7	0
02/02/2023 19:20	3.3	230	14	4.3	0
02/02/2023 19:30	3.1	233	14	4.2	0
02/02/2023 19:40	2.9	229	16	4	0
02/02/2023 19:50	2.6	236	13	3.5	0
02/02/2023 20:00	2.9	232	16	4.1	0
02/02/2023 20:10	2.4	234	33	3.3	0
02/02/2023 20:20	2.2	222	21	3.1	0
02/02/2023 20:30	1.7	224	28	2.6	0
02/02/2023 20:40	0.8	221	42	1.4	0
02/02/2023 20:50	0.6	253	25	1	0
02/02/2023 21:00	0.4	285	7	0.8	0
02/02/2023 21:10	1	315	11	1.7	0
02/02/2023 21:20	1.8	268	17	2.5	0
02/02/2023 21:30	2.3	250	13	2.9	0
02/02/2023 21:40	2.5	256	14	3.3	0
02/02/2023 21:50	2.5	255	13	3.4	0
02/02/2023 22:00	2.1	268	13	2.8	0
02/02/2023 22:10	1.5	262	14	2.3	0
02/02/2023 22:20	1.4	241	15	2	0
02/02/2023 22:30	1.3	193	26	2	0
02/02/2023 22:40	1	123	46	1.8	0
02/02/2023 22:50	1.6	120	15	2.5	0
02/02/2023 23:00	2.7	115	13	3.7	0
02/02/2023 23:10	4.6	119	17	6.9	0
02/02/2023 23:20	3.9	126	18	6.3	0
02/02/2023 23:30	3.8	119	15	5.1	0
02/02/2023 23:40	3.2	122	16	4.4	0
02/02/2023 23:50	4.2	112	14	6.1	0
03/02/2023 00:00	5.1	93	12	6.9	0
03/02/2023 00:10	4.8	86	11	6.8	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/02/2023 00:20	4.1	85	12	6.7	0
03/02/2023 00:30	4.1	87	11	5.6	0
03/02/2023 00:40	5.7	81	11	8.9	0
03/02/2023 00:50	7	72	10	9.6	0
03/02/2023 01:00	6.7	71	13	9.3	0
03/02/2023 01:10	7.2	74	10	9.8	0
03/02/2023 01:20	7.2	77	11	9.4	0
03/02/2023 01:30	7.3	77	9	10.2	0
03/02/2023 01:40	5.9	79	10	7.9	0
03/02/2023 01:50	5.7	73	10	7.5	0
03/02/2023 02:00	5.2	74	10	7.2	0
03/02/2023 02:10	4.7	70	11	6.2	0
03/02/2023 02:20	5.2	71	10	7.1	0
03/02/2023 02:30	5.5	59	12	7.2	0
03/02/2023 02:40	4.7	56	12	6.2	0
03/02/2023 02:50	4.5	58	13	6.8	0
03/02/2023 03:00	4.3	61	10	5.8	0
03/02/2023 03:10	4.3	58	12	6.4	0
03/02/2023 03:20	4.3	58	10	6	0
03/02/2023 03:30	4.4	54	13	6	0
03/02/2023 03:40	4.7	64	11	6.5	0
03/02/2023 03:50	3.9	53	12	4.9	0
03/02/2023 04:00	3.4	57	12	4.5	0
03/02/2023 04:10	3.6	46	14	4.7	0
03/02/2023 04:20	2.9	43	13	4.2	0
03/02/2023 04:30	2.3	39	21	3.6	0
03/02/2023 04:40	2.5	47	15	3.5	0
03/02/2023 04:50	2.3	14	22	3.9	0
03/02/2023 05:00	2.2	36	16	3.1	0
03/02/2023 05:10	2	63	10	2.8	0
03/02/2023 05:20	2	83	13	2.8	0
03/02/2023 05:30	1.8	93	14	2.5	0
03/02/2023 05:40	1.4	124	10	1.8	0
03/02/2023 05:50	1.2	113	19	1.8	0
03/02/2023 06:00	1.6	93	8	1.9	0
03/02/2023 06:10	1.6	71	8	2	0
03/02/2023 06:20	1.9	84	10	2.6	0
03/02/2023 06:30	3	85	10	4.4	0
03/02/2023 06:40	3.2	82	11	4.1	0
03/02/2023 06:50	3.3	78	9	4.2	0
03/02/2023 07:00	2.9	76	11	3.6	0
03/02/2023 07:10	2.7	70	12	3.5	0
03/02/2023 07:20	3.1	82	14	4.3	0
03/02/2023 07:30	2.8	76	11	3.8	0
03/02/2023 07:40	3	76	12	4.3	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/02/2023 07:50	3.6	67	9	4.8	0
03/02/2023 08:00	4	75	13	5.6	0
03/02/2023 08:10	4.4	72	10	5.6	0
03/02/2023 08:20	4.3	70	12	5.7	0
03/02/2023 08:30	4.7	86	12	6.3	0
03/02/2023 08:40	4.9	79	13	7.2	0
03/02/2023 08:50	4.9	86	14	6.8	0
03/02/2023 09:00	4.5	94	16	6.4	0
03/02/2023 09:10	3.4	91	18	5.2	0
03/02/2023 09:20	3.8	78	16	5.4	0
03/02/2023 09:30	4.6	74	13	7.2	0
03/02/2023 09:40	4.3	96	17	6.3	0
03/02/2023 09:50	4.5	88	16	6.9	0
03/02/2023 10:00	4	91	16	6	0
03/02/2023 10:10	4.2	86	21	6.1	0
03/02/2023 10:20	4.4	94	14	6.7	0
03/02/2023 10:30	5	91	16	6.9	0
03/02/2023 10:40	4.2	96	16	5.8	0
03/02/2023 10:50	3.9	93	21	5.6	0
03/02/2023 11:00	4.5	94	16	6.1	0
03/02/2023 11:10	4.1	91	18	5.8	0
03/02/2023 11:20	3.9	94	19	5.9	0
03/02/2023 11:30	4.4	90	16	6.2	0
03/02/2023 11:40	4.9	81	12	6.8	0
03/02/2023 11:50	5.1	81	12	7.2	0
03/02/2023 12:00	4.4	83	16	6.2	0
03/02/2023 12:10	4.1	76	15	6.4	0
03/02/2023 12:20	4.5	74	15	6.6	0
03/02/2023 12:30	4.9	89	14	7.6	0
03/02/2023 12:40	5.6	79	12	8	0
03/02/2023 12:50	5.2	80	19	6.9	0
03/02/2023 13:00	4.7	70	18	7	0
03/02/2023 13:10	4.5	70	18	6.2	0
03/02/2023 13:20	4.9	69	16	6.4	0
03/02/2023 13:30	4.4	73	18	6.8	0
03/02/2023 13:40	4.7	73	15	6.4	0
03/02/2023 13:50	4.6	62	14	7	0
03/02/2023 14:00	4.1	61	15	6.2	0
03/02/2023 14:10	4.3	74	15	6.8	0
03/02/2023 14:20	4.8	81	12	6.7	0
03/02/2023 14:30	3.9	67	14	5.2	0
03/02/2023 14:40	3.6	58	20	5.9	0
03/02/2023 14:50	3.9	18	31	5.9	0
03/02/2023 15:00	4.6	11	25	6.5	0
03/02/2023 15:10	4.3	12	22	6.2	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/02/2023 15:20	4.7	350	18	6.4	0
03/02/2023 15:30	4.4	176	24	7.1	0
03/02/2023 15:40	4.9	180	22	7.2	0
03/02/2023 15:50	4.6	173	20	6.8	0
03/02/2023 16:00	4.2	7	23	6.3	0
03/02/2023 16:10	4.6	8	21	7.2	0
03/02/2023 16:20	4.6	358	18	7.4	0
03/02/2023 16:30	4.5	8	21	6.9	0
03/02/2023 16:40	4.6	176	22	7	0
03/02/2023 16:50	4.8	9	20	7.2	0
03/02/2023 17:00	4.4	2	24	6.8	0
03/02/2023 17:10	4.8	353	19	7.3	0
03/02/2023 17:20	4.9	354	22	7.5	0
03/02/2023 17:30	4.6	349	21	7.1	0
03/02/2023 17:40	3.3	336	26	5.7	0
03/02/2023 17:50	4.2	320	21	6.8	0
03/02/2023 18:00	4.9	305	16	6.9	0
03/02/2023 18:10	5.3	304	11	7.2	0
03/02/2023 18:20	5.3	293	12	7	0
03/02/2023 18:30	5.2	293	12	6.6	0
03/02/2023 18:40	5.1	293	13	6.8	0
03/02/2023 18:50	4.7	287	15	6	0
03/02/2023 19:00	4.4	293	13	5.8	0
03/02/2023 19:10	4.1	293	15	5.9	0
03/02/2023 19:20	4	294	13	5.2	0
03/02/2023 19:30	3.4	287	14	4.8	0
03/02/2023 19:40	3.4	286	15	4.8	0
03/02/2023 19:50	3.4	269	14	4.7	0
03/02/2023 20:00	4	261	11	5.3	0
03/02/2023 20:10	3.9	263	10	5.2	0
03/02/2023 20:20	3.7	261	13	4.8	0
03/02/2023 20:30	3.8	244	12	5.2	0
03/02/2023 20:40	3.6	248	11	4.8	0
03/02/2023 20:50	3.7	253	13	4.8	0
03/02/2023 21:00	3.7	251	12	4.9	0
03/02/2023 21:10	3.6	255	10	4.8	0
03/02/2023 21:20	4.1	255	11	5.1	0
03/02/2023 21:30	3.9	255	11	5.1	0
03/02/2023 21:40	3.9	252	11	5.2	0
03/02/2023 21:50	3.8	250	11	5	0
03/02/2023 22:00	3.6	258	10	5	0
03/02/2023 22:10	3.6	257	12	4.5	0
03/02/2023 22:20	3.6	260	10	4.6	0
03/02/2023 22:30	3.2	247	12	4.4	0
03/02/2023 22:40	3	251	11	4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/02/2023 22:50	3.1	237	10	4.1	0
03/02/2023 23:00	2.9	231	14	3.7	0
03/02/2023 23:10	2.8	233	12	4	0
03/02/2023 23:20	2.9	228	18	4.2	0
03/02/2023 23:30	3.1	230	15	5	0
03/02/2023 23:40	3.6	222	16	5.2	0
03/02/2023 23:50	3.4	232	13	5.2	0
04/02/2023 00:00	3.1	229	13	4.4	0
04/02/2023 00:10	2.6	230	13	3.7	0
04/02/2023 00:20	2.5	219	15	3.6	0
04/02/2023 00:30	2.5	229	15	3.6	0
04/02/2023 00:40	2.6	251	11	3.4	0
04/02/2023 00:50	2.5	254	12	3.7	0
04/02/2023 01:00	2.4	254	24	3.7	0
04/02/2023 01:10	1.7	327	23	2.5	0
04/02/2023 01:20	2.2	284	16	3.7	0
04/02/2023 01:30	3.2	294	10	4.1	0
04/02/2023 01:40	3.1	255	19	4.6	0
04/02/2023 01:50	3.2	220	23	4.8	0
04/02/2023 02:00	1.7	228	73	3.4	0
04/02/2023 02:10	2.1	146	69	3.4	0
04/02/2023 02:20	2.1	153	49	3.7	0
04/02/2023 02:30	1.6	230	66	2.8	0
04/02/2023 02:40	1.4	210	61	2.5	0
04/02/2023 02:50	1.4	204	75	2.8	0
04/02/2023 03:00	1	141	90	1.9	0
04/02/2023 03:10	1.1	140	56	1.8	0
04/02/2023 03:20	0.4	254	68	0.8	0
04/02/2023 03:30	0.6	199	35	1.6	0
04/02/2023 03:40	1.5	123	12	2.2	0
04/02/2023 03:50	0.4	160	27	1.3	0
04/02/2023 04:00	0.8	118	20	1.2	0
04/02/2023 04:10	0.4	139	14	1.1	0
04/02/2023 04:20	0.9	94	17	1.3	0
04/02/2023 04:30	1.1	77	11	1.4	0
04/02/2023 04:40	0.6	96	29	1.1	0
04/02/2023 04:50	0.9	78	27	1.7	0
04/02/2023 05:00	2.8	85	9	4	0
04/02/2023 05:10	2.9	87	10	3.8	0
04/02/2023 05:20	3.1	88	10	4	0
04/02/2023 05:30	3.1	90	8	4.4	0
04/02/2023 05:40	3.1	93	10	4.2	0
04/02/2023 05:50	3.7	88	10	5.2	0
04/02/2023 06:00	5.5	86	9	7.2	0
04/02/2023 06:10	5	86	11	6.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/02/2023 06:20	4.6	84	11	6	0
04/02/2023 06:30	4.5	87	11	6.3	0
04/02/2023 06:40	4.9	91	12	7.2	0
04/02/2023 06:50	4.9	87	11	6.4	0
04/02/2023 07:00	5	94	11	7	0
04/02/2023 07:10	4.7	89	10	6	0
04/02/2023 07:20	5.1	91	10	6.9	0
04/02/2023 07:30	4.9	87	10	6.1	0
04/02/2023 07:40	4.8	95	11	6.9	0
04/02/2023 07:50	4.7	89	12	6.6	0
04/02/2023 08:00	4.8	88	12	6.5	0
04/02/2023 08:10	5	93	11	6.7	0
04/02/2023 08:20	5	105	10	6.5	0
04/02/2023 08:30	4.6	97	13	6	0
04/02/2023 08:40	4.8	90	13	6.7	0
04/02/2023 08:50	4.9	84	12	6.7	0
04/02/2023 09:00	4.6	93	13	6.5	0
04/02/2023 09:10	4.9	91	13	6.5	0
04/02/2023 09:20	4.2	86	16	5.6	0
04/02/2023 09:30	4.6	75	13	6.3	0
04/02/2023 09:40	4.4	75	14	5.6	0
04/02/2023 09:50	4.5	77	11	6	0
04/02/2023 10:00	5	73	11	7.1	0
04/02/2023 10:10	5.2	77	12	6.9	0
04/02/2023 10:20	4.9	78	13	6.3	0
04/02/2023 10:30	5.4	78	11	7.3	0
04/02/2023 10:40	5.6	74	14	7.1	0
04/02/2023 10:50	4.8	69	12	6.7	0
04/02/2023 11:00	5.2	64	12	7.7	0
04/02/2023 11:10	4.8	53	15	6.7	0
04/02/2023 11:20	4.3	64	17	6	0
04/02/2023 11:30	4.7	63	12	6.2	0
04/02/2023 11:40	4.8	70	14	6.5	0
04/02/2023 11:50	3.8	63	18	5.2	0
04/02/2023 12:00	4.3	80	15	5.7	0
04/02/2023 12:10	4.6	79	19	6.9	0
04/02/2023 12:20	4.7	77	13	7	0
04/02/2023 12:30	4.1	65	17	5.9	0
04/02/2023 12:40	3.9	69	17	5.9	0
04/02/2023 12:50	3.6	41	34	5.4	0
04/02/2023 13:00	3.4	41	21	5.7	0
04/02/2023 13:10	4	188	26	6.1	0
04/02/2023 13:20	4.4	355	23	7	0
04/02/2023 13:30	4.6	342	23	6.8	0
04/02/2023 13:40	4.9	334	23	7.3	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/02/2023 13:50	4.5	337	18	7.5	0
04/02/2023 14:00	4.7	346	24	6.4	0
04/02/2023 14:10	4.5	350	24	7.2	0
04/02/2023 14:20	4.4	3	21	6.7	0
04/02/2023 14:30	4	353	23	6	0
04/02/2023 14:40	4.1	355	25	6.2	0
04/02/2023 14:50	4.9	180	20	6.8	0
04/02/2023 15:00	4.2	355	21	6	0
04/02/2023 15:10	4.8	339	21	7.2	0
04/02/2023 15:20	5	349	23	7.4	0
04/02/2023 15:30	4.9	342	19	7	0
04/02/2023 15:40	3.9	339	22	6.4	0
04/02/2023 15:50	3.1	343	27	4.8	0
04/02/2023 16:00	4.2	300	15	6.4	0
04/02/2023 16:10	4.6	300	14	6.3	0
04/02/2023 16:20	4.2	295	16	6	0
04/02/2023 16:30	4.6	293	11	6	0
04/02/2023 16:40	4.4	288	14	5.7	0
04/02/2023 16:50	4.3	292	15	6	0
04/02/2023 17:00	3.7	296	14	5.2	0
04/02/2023 17:10	4	299	11	5.2	0
04/02/2023 17:20	3.7	298	10	5.1	0
04/02/2023 17:30	3.3	301	12	4.4	0
04/02/2023 17:40	3.9	302	12	5.2	0
04/02/2023 17:50	4.2	297	10	5.4	0
04/02/2023 18:00	4.2	292	12	5.5	0
04/02/2023 18:10	4.4	292	13	5.8	0
04/02/2023 18:20	4.7	298	10	5.7	0
04/02/2023 18:30	4.7	297	9	6.1	0
04/02/2023 18:40	5.1	296	8	6.4	0
04/02/2023 18:50	5	299	11	6.5	0
04/02/2023 19:00	4.3	289	15	6	0
04/02/2023 19:10	4	287	14	5.5	0
04/02/2023 19:20	3.7	287	15	4.8	0
04/02/2023 19:30	3.7	285	13	4.9	0
04/02/2023 19:40	3.6	287	16	4.8	0
04/02/2023 19:50	3.7	285	14	5.4	0
04/02/2023 20:00	3.5	286	15	4.7	0
04/02/2023 20:10	3.4	284	13	4.4	0
04/02/2023 20:20	3.6	288	14	4.9	0
04/02/2023 20:30	3.4	296	11	4.5	0
04/02/2023 20:40	3.3	291	15	4.8	0
04/02/2023 20:50	3.4	296	14	4.4	0
04/02/2023 21:00	3.7	283	16	4.9	0
04/02/2023 21:10	3.4	282	14	4.4	0



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/02/2023 21:20	3.2	283	13	4.6	0
04/02/2023 21:30	3.2	283	16	4.4	0
04/02/2023 21:40	3	277	15	4.1	0
04/02/2023 21:50	3.4	269	14	4.3	0
04/02/2023 22:00	3.1	267	13	4.4	0
04/02/2023 22:10	3	266	14	4.2	0
04/02/2023 22:20	3.3	265	11	4.5	0
04/02/2023 22:30	2.8	257	13	3.9	0
04/02/2023 22:40	2.6	259	14	3.8	0
04/02/2023 22:50	2.1	279	17	2.9	0
04/02/2023 23:00	1	268	22	1.7	0
04/02/2023 23:10	1.7	290	22	2.5	0
04/02/2023 23:20	1.7	294	13	2.4	0
04/02/2023 23:30	3	200	23	6.8	0
04/02/2023 23:40	8.6	73	12	13.9	0
04/02/2023 23:50	11.4	77	8	14.5	0.5
05/02/2023 00:00	10.9	68	10	14.6	0.5
05/02/2023 00:10	7.2	56	12	10.8	0.1
05/02/2023 00:20	6.6	48	10	9.9	0
05/02/2023 00:30	5.8	40	13	8.2	0
05/02/2023 00:40	4.9	47	12	7.4	0.1
05/02/2023 00:50	4.6	32	14	6.9	0
05/02/2023 01:00	3.9	13	16	5.9	0
05/02/2023 01:10	3.7	12	15	5.3	0.2
05/02/2023 01:20	3.5	185	19	5.4	0.1
05/02/2023 01:30	2.4	332	27	3.7	0.1
05/02/2023 01:40	3.3	334	23	5.2	0.2
05/02/2023 01:50	4.8	307	12	7.2	0.3
05/02/2023 02:00	3.3	282	16	4.3	0.2
05/02/2023 02:10	3.6	266	10	4.7	0.2
05/02/2023 02:20	2.7	280	11	3.9	0.2
05/02/2023 02:30	3.3	266	8	4.2	0
05/02/2023 02:40	3.4	262	8	4.4	0
05/02/2023 02:50	3.1	238	13	4.2	0.3
05/02/2023 03:00	3.8	240	12	5.3	0.3
05/02/2023 03:10	4	239	13	5.9	0.1
05/02/2023 03:20	4.2	241	12	6.2	0.1
05/02/2023 03:30	4.1	238	12	6.2	0.1
05/02/2023 03:40	4.2	240	13	5.9	0
05/02/2023 03:50	4.3	239	12	6	0.1
05/02/2023 04:00	3.8	242	13	5.4	0.1
05/02/2023 04:10	4.5	241	13	6.9	0.1
05/02/2023 04:20	4.8	240	12	7.7	0.1
05/02/2023 04:30	3.9	233	13	6.1	0.3
05/02/2023 04:40	3.6	239	13	5.5	0.2



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/02/2023 04:50	4	246	12	5.5	0.1
05/02/2023 05:00	3.8	242	11	5.2	0
05/02/2023 05:10	3.5	232	14	5.2	0
05/02/2023 05:20	3.8	238	13	5.4	0
05/02/2023 05:30	3.6	238	15	5.6	0
05/02/2023 05:40	4	224	18	6.8	0
05/02/2023 05:50	4.4	238	13	6.8	0
05/02/2023 06:00	4.6	225	17	6.9	0
05/02/2023 06:10	4.3	222	19	6.7	0
05/02/2023 06:20	4.1	222	23	7.2	0
05/02/2023 06:30	4.2	223	19	6.6	0
05/02/2023 06:40	3.9	225	20	5.6	0
05/02/2023 06:50	3.5	228	17	5.2	0
05/02/2023 07:00	3.9	221	20	6	0
05/02/2023 07:10	3.3	227	19	5.2	0
05/02/2023 07:20	2.8	225	24	4.8	0
05/02/2023 07:30	1.8	228	36	3.9	0
05/02/2023 07:40	1.5	137	60	3.2	0
05/02/2023 07:50	2.6	220	66	4.7	0
05/02/2023 08:00	1.9	240	60	3.8	0
05/02/2023 08:10	1.3	188	57	2.7	0
05/02/2023 08:20	2	216	48	3.4	0
05/02/2023 08:30	1.1	272	31	1.8	0
05/02/2023 08:40	0.7	210	45	1.3	0
05/02/2023 08:50	1.3	185	36	2.1	0
05/02/2023 09:00	1.8	163	40	3.1	0
05/02/2023 09:10	3.2	133	25	4.8	0
05/02/2023 09:20	3	140	24	4.9	0
05/02/2023 09:30	3.4	129	17	4.9	0
05/02/2023 09:40	3.3	128	19	4.9	0
05/02/2023 09:50	3.7	121	16	6	0
05/02/2023 10:00	3.5	133	19	4.9	0
05/02/2023 10:10	3	133	20	4.6	0
05/02/2023 10:20	2.8	112	26	4.4	0
05/02/2023 10:30	3.2	96	21	4.9	0
05/02/2023 10:40	3.1	90	21	4.8	0
05/02/2023 10:50	3.3	93	18	4.8	0
05/02/2023 11:00	3.3	99	16	5.2	0
05/02/2023 11:10	2.9	92	32	4.7	0
05/02/2023 11:20	2.5	40	32	4.8	0
05/02/2023 11:30	2.4	335	31	4	0
05/02/2023 11:40	2.9	345	32	4.4	0
05/02/2023 11:50	3.3	179	17	4.5	0
05/02/2023 12:00	3.4	354	21	4.8	0
05/02/2023 12:10	3.9	175	20	5.5	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/02/2023 12:20	3.6	181	28	5.5	0
05/02/2023 12:30	3.9	350	22	5.6	0
05/02/2023 12:40	3.3	176	35	6.1	0
05/02/2023 12:50	4.8	330	23	7.6	0
05/02/2023 13:00	4.6	342	19	7	0
05/02/2023 13:10	4.8	341	17	7.2	0
05/02/2023 13:20	3.4	327	32	5.9	0
05/02/2023 13:30	3.3	326	27	5.2	0
05/02/2023 13:40	4.7	294	15	6.5	0
05/02/2023 13:50	4.3	276	18	5.6	0
05/02/2023 14:00	4	290	17	5.6	0
05/02/2023 14:10	4.1	293	15	5.6	0
05/02/2023 14:20	4	295	22	5.7	0
05/02/2023 14:30	4.3	290	16	5.6	0
05/02/2023 14:40	3.5	317	19	5	0
05/02/2023 14:50	3.5	319	29	5.6	0
05/02/2023 15:00	4.7	291	16	6.2	0
05/02/2023 15:10	4.4	289	17	5.8	0
05/02/2023 15:20	4.6	293	13	6.1	0
05/02/2023 15:30	4.7	285	13	6.4	0
05/02/2023 15:40	4.6	293	13	6	0
05/02/2023 15:50	4.9	293	14	6.6	0
05/02/2023 16:00	4.6	285	15	6.3	0
05/02/2023 16:10	4.8	294	12	6	0
05/02/2023 16:20	5.4	290	11	6.8	0
05/02/2023 16:30	5	291	14	6.7	0
05/02/2023 16:40	5.4	295	11	7.2	0
05/02/2023 16:50	4.7	286	13	6.5	0
05/02/2023 17:00	5.3	291	12	6.8	0
05/02/2023 17:10	5.1	282	16	6.7	0
05/02/2023 17:20	5.2	288	14	6.8	0
05/02/2023 17:30	4.8	283	19	6.7	0
05/02/2023 17:40	5.3	276	14	7.2	0
05/02/2023 17:50	4.8	280	15	6.9	0
05/02/2023 18:00	3.9	274	17	5.4	0
05/02/2023 18:10	4.2	264	11	5.4	0
05/02/2023 18:20	4.5	260	11	6	0
05/02/2023 18:30	4.9	254	12	6.5	0
05/02/2023 18:40	4.5	249	11	6	0
05/02/2023 18:50	5.1	249	13	6.4	0
05/02/2023 19:00	4.7	251	13	6.5	0
05/02/2023 19:10	4.9	249	12	6.5	0
05/02/2023 19:20	4.6	253	11	6	0
05/02/2023 19:30	4	250	13	5.2	0
05/02/2023 19:40	4.2	252	12	5.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/02/2023 19:50	4.4	250	13	6	0
05/02/2023 20:00	4.2	248	13	5.6	0
05/02/2023 20:10	3.9	250	13	5	0
05/02/2023 20:20	3.6	254	13	4.9	0
05/02/2023 20:30	3.5	257	12	4.7	0
05/02/2023 20:40	4.1	253	11	5.4	0
05/02/2023 20:50	4.3	254	10	5.8	0
05/02/2023 21:00	3.9	239	12	5.8	0
05/02/2023 21:10	3.2	246	12	4.2	0
05/02/2023 21:20	3.7	253	14	4.8	0
05/02/2023 21:30	4.2	250	12	5.7	0
05/02/2023 21:40	4.5	258	12	6	0
05/02/2023 21:50	4.1	251	13	5.3	0
05/02/2023 22:00	3.7	257	12	4.9	0
05/02/2023 22:10	4	263	9	5.5	0
05/02/2023 22:20	3.6	260	9	4.7	0
05/02/2023 22:30	4.4	256	12	6.2	0
05/02/2023 22:40	4.8	248	11	6.6	0
05/02/2023 22:50	4.9	254	11	6.3	0
05/02/2023 23:00	4.5	253	11	6.2	0
05/02/2023 23:10	4.4	255	9	6.4	0
05/02/2023 23:20	4.4	255	11	5.5	0
05/02/2023 23:30	3.7	257	9	5.7	0
05/02/2023 23:40	4.2	253	13	5.7	0
05/02/2023 23:50	4.3	248	12	6.4	0
06/02/2023 00:00	4	250	11	5.8	0
06/02/2023 00:10	3.2	244	13	4.4	0
06/02/2023 00:20	3.2	255	11	4.6	0
06/02/2023 00:30	3.3	254	10	4.4	0
06/02/2023 00:40	4	248	13	5.6	0
06/02/2023 00:50	4	255	12	5.6	0
06/02/2023 01:00	3.9	242	13	5.7	0
06/02/2023 01:10	4.2	242	14	6.6	0
06/02/2023 01:20	5.4	237	12	7.7	0
06/02/2023 01:30	4.1	237	12	6.1	0
06/02/2023 01:40	3.6	232	12	5.4	0
06/02/2023 01:50	3.2	233	14	4.4	0
06/02/2023 02:00	3.3	230	12	4.8	0
06/02/2023 02:10	2.5	229	13	3.6	0
06/02/2023 02:20	2	225	15	2.8	0
06/02/2023 02:30	1.2	230	23	2	0
06/02/2023 02:40	1	178	53	2.4	0
06/02/2023 02:50	1.1	190	65	2.2	0
06/02/2023 03:00	1	141	52	1.8	0
06/02/2023 03:10	0.8	210	74	1.7	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/02/2023 03:20	0.5	152	50	1	0
06/02/2023 03:30	0.8	110	26	1.3	0
06/02/2023 03:40	0.8	114	26	1.5	0
06/02/2023 03:50	1.5	118	16	2.2	0
06/02/2023 04:00	0.9	91	19	1.5	0
06/02/2023 04:10	1.1	102	15	1.8	0
06/02/2023 04:20	0.8	122	16	1.2	0
06/02/2023 04:30	1.3	100	13	2	0
06/02/2023 04:40	1.8	99	9	2.7	0
06/02/2023 04:50	1.8	106	11	2.3	0
06/02/2023 05:00	1.6	119	12	2.3	0
06/02/2023 05:10	1.5	124	11	2.1	0
06/02/2023 05:20	1.5	121	12	2	0
06/02/2023 05:30	0.7	118	15	1.1	0
06/02/2023 05:40	1.2	75	13	1.6	0
06/02/2023 05:50	1.1	76	19	1.9	0
06/02/2023 06:00	1.5	93	12	2.4	0
06/02/2023 06:10	1.9	92	17	3.2	0
06/02/2023 06:20	2.1	90	17	2.8	0
06/02/2023 06:30	1.7	94	14	2.4	0
06/02/2023 06:40	1.8	92	11	2.4	0
06/02/2023 06:50	2	100	12	3.1	0
06/02/2023 07:00	2.4	107	13	3.2	0
06/02/2023 07:10	1.8	134	19	2.7	0
06/02/2023 07:20	1.5	141	34	2	0
06/02/2023 07:30	2.1	218	29	3.1	0
06/02/2023 07:40	2.3	225	17	3.1	0
06/02/2023 07:50	2.4	221	15	3.2	0
06/02/2023 08:00	2	227	27	3.1	0
06/02/2023 08:10	1.7	230	20	2.4	0
06/02/2023 08:20	1.6	224	31	3	0
06/02/2023 08:30	1.8	234	23	2.8	0
06/02/2023 08:40	1.5	222	45	2.6	0
06/02/2023 08:50	1.3	236	53	2.4	0
06/02/2023 09:00	1.8	217	36	2.8	0
06/02/2023 09:10	1	239	66	2	0
06/02/2023 09:20	1.8	119	27	4.3	0
06/02/2023 09:30	2.4	66	19	3.6	0
06/02/2023 09:40	1.5	208	50	2.5	0
06/02/2023 09:50	2.3	72	37	4.4	0
06/02/2023 10:00	1.6	309	33	2.9	0
06/02/2023 10:10	1.6	148	80	3.7	0
06/02/2023 10:20	2	304	38	3.6	0
06/02/2023 10:30	2	281	57	3.2	0
06/02/2023 10:40	2.7	304	17	4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/02/2023 10:50	3.1	298	16	4.2	0
06/02/2023 11:00	3.2	289	14	4.4	0
06/02/2023 11:10	3.2	270	24	4.3	0
06/02/2023 11:20	3.7	299	10	4.8	0
06/02/2023 11:30	3.2	295	15	4.3	0
06/02/2023 11:40	3.3	297	14	4.4	0
06/02/2023 11:50	3.7	294	12	5.2	0
06/02/2023 12:00	3.9	297	17	5.3	0
06/02/2023 12:10	3.7	318	25	5.2	0
06/02/2023 12:20	3.3	325	35	4.7	0
06/02/2023 12:30	3.3	322	27	4.7	0
06/02/2023 12:40	3.2	341	26	4.7	0
06/02/2023 12:50	3.5	346	24	5.2	0
06/02/2023 13:00	3.5	348	21	5.4	0
06/02/2023 13:10	3.8	353	22	5.1	0
06/02/2023 13:20	4.1	352	17	5.5	0
06/02/2023 13:30	4	179	22	5.8	0
06/02/2023 13:40	3.7	359	18	5.6	0
06/02/2023 13:50	4.1	338	18	5.7	0
06/02/2023 14:00	4.1	358	20	6	0
06/02/2023 14:10	4.4	177	19	6.4	0
06/02/2023 14:20	4.4	8	18	6.4	0
06/02/2023 14:30	4.4	353	23	6.6	0
06/02/2023 14:40	5	340	21	6.8	0
06/02/2023 14:50	4.5	346	19	6.8	0
06/02/2023 15:00	4.7	351	23	7.2	0
06/02/2023 15:10	4.6	178	20	6.6	0
06/02/2023 15:20	4.5	174	21	6.8	0
06/02/2023 15:30	4.4	175	25	6.7	0
06/02/2023 15:40	5	343	17	6.8	0
06/02/2023 15:50	4.8	349	23	7.9	0
06/02/2023 16:00	4.3	350	24	6.9	0
06/02/2023 16:10	4.7	351	25	7.2	0
06/02/2023 16:20	4.7	174	20	6.3	0
06/02/2023 16:30	4.3	176	20	6.6	0
06/02/2023 16:40	4.2	3	20	5.9	0
06/02/2023 16:50	4.1	358	23	6.1	0
06/02/2023 17:00	4.1	357	20	6.3	0
06/02/2023 17:10	4.6	13	18	6.2	0
06/02/2023 17:20	4	10	16	5.9	0
06/02/2023 17:30	4.4	357	18	6.6	0
06/02/2023 17:40	4.3	355	21	6.5	0
06/02/2023 17:50	4.1	359	16	6.2	0
06/02/2023 18:00	4	9	19	6.9	0
06/02/2023 18:10	4.2	13	21	5.9	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/02/2023 18:20	4.1	178	18	6	0
06/02/2023 18:30	3.9	356	19	5.7	0
06/02/2023 18:40	3.6	1	19	5.6	0
06/02/2023 18:50	3.7	180	18	5.4	0
06/02/2023 19:00	3.6	7	19	5.6	0
06/02/2023 19:10	4	12	16	5.5	0
06/02/2023 19:20	3.9	19	20	5.3	0
06/02/2023 19:30	3.6	14	18	6.4	0
06/02/2023 19:40	3.7	11	17	5.7	0
06/02/2023 19:50	3.9	14	20	6	0
06/02/2023 20:00	4.1	13	15	5.7	0
06/02/2023 20:10	3.9	16	18	5.7	0
06/02/2023 20:20	3.4	15	17	4.9	0
06/02/2023 20:30	3.4	17	17	5.2	0
06/02/2023 20:40	3	12	20	4.8	0
06/02/2023 20:50	2.8	182	24	4.5	0
06/02/2023 21:00	2.3	335	27	4.3	0
06/02/2023 21:10	3.9	304	14	5.7	0
06/02/2023 21:20	3.7	302	14	5.7	0
06/02/2023 21:30	4.6	296	12	6	0
06/02/2023 21:40	4.4	298	13	6.1	0
06/02/2023 21:50	4.1	293	15	5.6	0
06/02/2023 22:00	3.7	287	16	5.1	0
06/02/2023 22:10	3.6	286	16	5	0
06/02/2023 22:20	3.2	290	15	4.3	0
06/02/2023 22:30	3.3	289	17	4.6	0
06/02/2023 22:40	3.3	273	13	4.4	0
06/02/2023 22:50	2.6	278	16	3.7	0
06/02/2023 23:00	2.8	273	14	4	0
06/02/2023 23:10	2.7	268	14	3.6	0
06/02/2023 23:20	3	265	14	4.3	0
06/02/2023 23:30	3.2	261	10	4	0
06/02/2023 23:40	2.8	263	11	3.5	0
06/02/2023 23:50	3	257	10	3.7	0
07/02/2023 00:00	3	260	10	3.8	0
07/02/2023 00:10	2.9	264	11	3.8	0
07/02/2023 00:20	2.5	265	14	3.4	0
07/02/2023 00:30	2.5	264	14	3.4	0
07/02/2023 00:40	2.7	260	10	3.7	0
07/02/2023 00:50	2.4	263	12	3.2	0
07/02/2023 01:00	2.6	268	10	3.6	0
07/02/2023 01:10	2.5	264	12	3.3	0
07/02/2023 01:20	2.7	255	9	3.7	0
07/02/2023 01:30	2.9	258	8	3.6	0
07/02/2023 01:40	2.7	254	11	3.3	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/02/2023 01:50	2.1	252	11	2.8	0
07/02/2023 02:00	1.8	258	12	2.5	0
07/02/2023 02:10	1.8	257	13	2.4	0
07/02/2023 02:20	2.2	256	11	2.9	0
07/02/2023 02:30	2.6	261	7	3.2	0
07/02/2023 02:40	2.3	253	11	3.2	0
07/02/2023 02:50	1.9	254	13	2.5	0
07/02/2023 03:00	1.5	235	14	2	0
07/02/2023 03:10	1.2	227	17	1.8	0
07/02/2023 03:20	0.4	210	24	1.1	0
07/02/2023 03:30					0
07/02/2023 03:40	0	48	2	0.4	0
07/02/2023 03:50	0	57	0	0.4	0
07/02/2023 04:00	0.2	56	2	0.6	0
07/02/2023 04:10	0.2	55	3	0.8	0
07/02/2023 04:20	0.3	74	5	0.8	0
07/02/2023 04:30	0	145	4	0.4	0
07/02/2023 04:40	0	132	3	0.4	0
07/02/2023 04:50	0.1	168	4	0.8	0
07/02/2023 05:00	0.4	143	13	1.2	0
07/02/2023 05:10	0	273	7	0.4	0
07/02/2023 05:20	0.4	136	10	1.1	0
07/02/2023 05:30	1.1	145	13	1.6	0
07/02/2023 05:40	0.6	140	16	1.2	0
07/02/2023 05:50	0.9	143	17	1.4	0
07/02/2023 06:00	0.8	131	13	1.2	0
07/02/2023 06:10	0.1	147	12	0.5	0
07/02/2023 06:20	0	177	0	0.4	0
07/02/2023 06:30	0.2	139	8	0.8	0
07/02/2023 06:40	0.4	122	12	0.9	0
07/02/2023 06:50	0.9	130	18	1.5	0
07/02/2023 07:00	1.2	139	14	1.6	0
07/02/2023 07:10	1.1	138	27	1.6	0
07/02/2023 07:20	1.4	140	21	2	0
07/02/2023 07:30	1.2	148	31	2.2	0
07/02/2023 07:40	1.5	133	24	2.3	0
07/02/2023 07:50	1.9	104	23	3.2	0
07/02/2023 08:00	2.4	86	17	3.1	0
07/02/2023 08:10	2.4	103	16	3.4	0
07/02/2023 08:20	2.2	88	21	3.2	0
07/02/2023 08:30	2.2	106	20	3.3	0
07/02/2023 08:40	2.2	115	24	3.6	0
07/02/2023 08:50	2.5	86	22	3.7	0
07/02/2023 09:00	2.6	91	23	4.2	0
07/02/2023 09:10	2.6	108	20	4.3	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/02/2023 09:20	2.1	120	24	3.4	0
07/02/2023 09:30	2.4	117	22	4.3	0
07/02/2023 09:40	2.7	115	16	4.3	0
07/02/2023 09:50	2.1	94	37	4.1	0
07/02/2023 10:00	2.8	54	34	4.3	0
07/02/2023 10:10	2.6	57	25	4.7	0
07/02/2023 10:20	3.2	83	18	4.9	0
07/02/2023 10:30	3.1	84	20	5.4	0
07/02/2023 10:40	3	79	23	4.8	0
07/02/2023 10:50	3.3	77	26	5.2	0
07/02/2023 11:00	3.5	83	14	5.2	0
07/02/2023 11:10	3.6	72	18	5	0
07/02/2023 11:20	2.9	36	30	4.4	0
07/02/2023 11:30	2.9	41	29	4.4	0
07/02/2023 11:40	2.6	190	34	5	0
07/02/2023 11:50	2.4	191	35	3.8	0
07/02/2023 12:00	2	180	34	3.2	0
07/02/2023 12:10	2.5	173	30	4.4	0
07/02/2023 12:20	3	9	32	4.4	0
07/02/2023 12:30	3.5	181	23	5.4	0
07/02/2023 12:40	3.9	182	23	6.1	0
07/02/2023 12:50	4.1	182	18	6	0
07/02/2023 13:00	3.9	176	21	5.8	0
07/02/2023 13:10	3.8	180	28	5.5	0
07/02/2023 13:20	3.6	181	27	5.3	0
07/02/2023 13:30	3.5	11	19	4.8	0
07/02/2023 13:40	3.7	13	19	5.6	0
07/02/2023 13:50	3.5	15	18	5.1	0
07/02/2023 14:00	3.2	20	25	4.8	0
07/02/2023 14:10	3.4	188	25	5.5	0
07/02/2023 14:20	3.1	175	30	4.7	0
07/02/2023 14:30	3.5	180	25	5.6	0
07/02/2023 14:40	3.1	13	28	4.8	0
07/02/2023 14:50	4.1	182	24	6.2	0
07/02/2023 15:00	4.4	2	22	6	0
07/02/2023 15:10	4.4	4	22	6.4	0
07/02/2023 15:20	4	5	21	6.4	0
07/02/2023 15:30	3.5	174	26	5.6	0
07/02/2023 15:40	3.9	4	21	5.7	0
07/02/2023 15:50	4.5	11	17	6.2	0
07/02/2023 16:00	4.2	9	25	5.7	0
07/02/2023 16:10	4.2	4	22	6.4	0
07/02/2023 16:20	3.7	180	23	5.5	0
07/02/2023 16:30	3.8	349	25	6	0
07/02/2023 16:40	3.1	345	29	5.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/02/2023 16:50	2.9	326	30	4.4	0
07/02/2023 17:00	3	342	29	4.4	0
07/02/2023 17:10	3.5	178	23	5.3	0
07/02/2023 17:20	3.3	4	25	4.9	0
07/02/2023 17:30	3.3	344	29	4.8	0
07/02/2023 17:40	3	340	25	4.9	0
07/02/2023 17:50	3.6	310	23	5.6	0
07/02/2023 18:00	4.2	299	13	6.1	0
07/02/2023 18:10	4.1	301	12	5.9	0
07/02/2023 18:20	3.8	299	13	5.2	0
07/02/2023 18:30	4.5	299	10	5.6	0
07/02/2023 18:40	3.9	306	13	5.6	0
07/02/2023 18:50	3.9	306	14	5.7	0
07/02/2023 19:00	4.1	304	13	5.6	0
07/02/2023 19:10	3.8	307	13	5.2	0
07/02/2023 19:20	2.8	313	25	5.2	0
07/02/2023 19:30	2.6	318	23	4.5	0
07/02/2023 19:40	3.6	299	11	5	0
07/02/2023 19:50	4.4	293	9	5.8	0
07/02/2023 20:00	4	299	11	5.2	0
07/02/2023 20:10	4	295	13	5.6	0
07/02/2023 20:20	3.5	286	15	4.4	0
07/02/2023 20:30	3.5	277	13	5.2	0
07/02/2023 20:40	3.3	283	15	4.6	0
07/02/2023 20:50	3.2	278	14	4.5	0
07/02/2023 21:00	3.2	291	12	4.4	0
07/02/2023 21:10	3.2	297	11	4.6	0
07/02/2023 21:20	3.2	292	11	4.5	0
07/02/2023 21:30	3.2	286	13	4.2	0
07/02/2023 21:40	3.3	279	16	4.8	0
07/02/2023 21:50	3.3	281	14	4.4	0
07/02/2023 22:00	3.1	280	15	4	0
07/02/2023 22:10	3.5	273	12	4.5	0
07/02/2023 22:20	3.3	267	11	4.2	0
07/02/2023 22:30	3.1	268	12	4	0
07/02/2023 22:40	3.1	270	11	4.2	0
07/02/2023 22:50	3	267	11	4.2	0
07/02/2023 23:00	3.1	262	10	4	0
07/02/2023 23:10	3.3	259	10	4.3	0
07/02/2023 23:20	3.4	262	9	4.1	0
07/02/2023 23:30	3.2	258	12	4.4	0
07/02/2023 23:40	3.2	261	8	3.9	0
07/02/2023 23:50	2.9	260	10	3.7	0
08/02/2023 00:00	2.9	259	11	3.8	0
08/02/2023 00:10	3.1	262	10	4.1	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/02/2023 00:20	2.6	271	14	3.6	0
08/02/2023 00:30	2.8	261	10	3.6	0
08/02/2023 00:40	3.1	264	11	3.9	0
08/02/2023 00:50	3.2	259	10	4.4	0
08/02/2023 01:00	2.8	251	12	3.8	0
08/02/2023 01:10	3.3	254	10	4.2	0
08/02/2023 01:20	3.2	250	13	4	0
08/02/2023 01:30	2.7	251	13	3.7	0
08/02/2023 01:40	2.8	256	10	3.6	0
08/02/2023 01:50	2.9	248	10	3.9	0
08/02/2023 02:00	3	233	13	3.8	0
08/02/2023 02:10	2.7	223	15	3.6	0
08/02/2023 02:20	2.3	232	14	3.3	0
08/02/2023 02:30	2.8	234	13	4	0
08/02/2023 02:40	2.8	236	11	3.6	0
08/02/2023 02:50	2.4	237	10	3.4	0
08/02/2023 03:00	2.9	235	12	4	0
08/02/2023 03:10	2.4	233	13	3.4	0
08/02/2023 03:20	2.6	236	12	3.6	0
08/02/2023 03:30	2.5	232	15	3.5	0
08/02/2023 03:40	2.4	228	15	3.2	0
08/02/2023 03:50	2	226	15	2.8	0
08/02/2023 04:00	1.9	222	15	2.8	0
08/02/2023 04:10	1.7	223	15	2.4	0
08/02/2023 04:20	1.3	230	15	2.1	0
08/02/2023 04:30	0.6	58	8	0.9	0
08/02/2023 04:40	1.1	57	5	1.3	0
08/02/2023 04:50	0.3	64	3	1.1	0
08/02/2023 05:00					0
08/02/2023 05:10					0
08/02/2023 05:20	0.1	212	10	0.6	0
08/02/2023 05:30	0	227	3	0.4	0
08/02/2023 05:40					0
08/02/2023 05:50					0
08/02/2023 06:00					0
08/02/2023 06:10					0
08/02/2023 06:20					0
08/02/2023 06:30	0.7	51	5	1.2	0
08/02/2023 06:40	1.2	63	8	1.5	0
08/02/2023 06:50	1.2	65	12	1.6	0
08/02/2023 07:00	1.1	67	17	1.6	0
08/02/2023 07:10	1.4	61	17	2.1	0
08/02/2023 07:20	1.7	69	13	2.4	0
08/02/2023 07:30	1.9	52	20	2.5	0
08/02/2023 07:40	1.4	59	25	2.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/02/2023 07:50	1.4	62	37	2.1	0
08/02/2023 08:00	1.7	86	24	2.6	0
08/02/2023 08:10	1.7	82	22	2.8	0
08/02/2023 08:20	1.6	74	27	2.8	0
08/02/2023 08:30	1.6	124	55	2.7	0
08/02/2023 08:40	0.9	41	56	1.6	0
08/02/2023 08:50	1.3	60	58	2.3	0
08/02/2023 09:00	1.1	174	88	1.9	0
08/02/2023 09:10	2.3	281	38	3.4	0
08/02/2023 09:20	2.7	289	21	3.9	0
08/02/2023 09:30	2.4	309	24	3.7	0
08/02/2023 09:40	2.7	303	18	3.7	0
08/02/2023 09:50	3.1	289	19	4.9	0
08/02/2023 10:00	3	300	21	4.5	0
08/02/2023 10:10	2.4	290	33	3.8	0
08/02/2023 10:20	3.1	293	16	4.4	0
08/02/2023 10:30	2.9	307	33	4.6	0
08/02/2023 10:40	2.9	320	35	4.4	0
08/02/2023 10:50	2.3	347	32	3.7	0
08/02/2023 11:00	2.2	172	41	3.5	0
08/02/2023 11:10	2.7	1	30	4.7	0
08/02/2023 11:20	2.7	175	26	4.6	0
08/02/2023 11:30	2.6	343	31	4	0
08/02/2023 11:40	2.8	347	27	4.4	0
08/02/2023 11:50	2.7	349	31	4.1	0
08/02/2023 12:00	3.2	352	29	4.8	0
08/02/2023 12:10	3.5	11	18	5.3	0
08/02/2023 12:20	3	179	24	4.6	0
08/02/2023 12:30	2.6	353	24	4.3	0
08/02/2023 12:40	2.7	333	23	3.8	0
08/02/2023 12:50	2.9	342	24	4.8	0
08/02/2023 13:00	2.8	346	29	4.4	0
08/02/2023 13:10	3	2	20	4.5	0
08/02/2023 13:20	3.2	3	25	5	0
08/02/2023 13:30	3.2	175	23	4.9	0
08/02/2023 13:40	3.4	7	22	4.6	0
08/02/2023 13:50	3.3	353	19	4.9	0
08/02/2023 14:00	3.5	183	20	5.3	0
08/02/2023 14:10	3.5	347	19	5.2	0
08/02/2023 14:20	3.6	351	20	5.2	0
08/02/2023 14:30	3.4	333	22	4.8	0
08/02/2023 14:40	4.4	345	20	6.8	0
08/02/2023 14:50	4.3	335	25	6.3	0
08/02/2023 15:00	4.6	337	21	6.9	0
08/02/2023 15:10	4.2	172	21	6.1	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/02/2023 15:20	3.9	179	24	5.4	0
08/02/2023 15:30	3.7	182	21	5.6	0
08/02/2023 15:40	4.5	353	18	6.5	0
08/02/2023 15:50	4.1	353	24	5.9	0
08/02/2023 16:00	4.8	175	20	8	0
08/02/2023 16:10	4.9	349	18	7.2	0
08/02/2023 16:20	4.7	342	22	7.5	0
08/02/2023 16:30	4	176	23	6.4	0
08/02/2023 16:40	3.9	179	22	6.3	0
08/02/2023 16:50	3.9	177	21	5.7	0
08/02/2023 17:00	3.9	349	25	6.2	0
08/02/2023 17:10	4	175	20	5.9	0
08/02/2023 17:20	4	180	19	5.8	0
08/02/2023 17:30	4	352	19	6	0
08/02/2023 17:40	4.2	349	20	6.1	0
08/02/2023 17:50	3.6	177	23	6	0
08/02/2023 18:00	3.9	177	20	5.8	0
08/02/2023 18:10	3.9	179	19	5.7	0
08/02/2023 18:20	3.8	8	20	5.1	0
08/02/2023 18:30	3.7	358	21	5.6	0
08/02/2023 18:40	3.3	177	17	4.9	0
08/02/2023 18:50	3.5	180	17	5	0
08/02/2023 19:00	3.9	15	17	5.5	0
08/02/2023 19:10	3.4	6	17	5.2	0
08/02/2023 19:20	3.5	8	18	4.6	0
08/02/2023 19:30	3.6	180	19	5.4	0
08/02/2023 19:40	3.7	181	16	5.1	0
08/02/2023 19:50	3.6	180	15	5.2	0
08/02/2023 20:00	3.7	182	14	5	0
08/02/2023 20:10	3.4	2	19	4.9	0
08/02/2023 20:20	3.6	6	16	5.5	0
08/02/2023 20:30	3.6	182	15	5.3	0
08/02/2023 20:40	3.7	357	19	5.2	0
08/02/2023 20:50	3.6	179	18	5.5	0
08/02/2023 21:00	3.3	18	17	4.8	0
08/02/2023 21:10	3.2	10	17	5.2	0
08/02/2023 21:20	3	15	22	4.5	0
08/02/2023 21:30	3.4	187	17	5.1	0
08/02/2023 21:40	2.9	15	16	4.5	0
08/02/2023 21:50	2.9	6	19	4.6	0
08/02/2023 22:00	3	17	20	4.4	0
08/02/2023 22:10	3.3	18	14	4.8	0
08/02/2023 22:20	3.6	25	15	4.8	0
08/02/2023 22:30	3	15	15	4.2	0
08/02/2023 22:40	3.1	21	18	4.7	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/02/2023 22:50	3.2	27	14	4.7	0
08/02/2023 23:00	3.3	29	17	5	0
08/02/2023 23:10	2.9	25	16	4.4	0
08/02/2023 23:20	2.1	358	25	3.2	0
08/02/2023 23:30	2.5	24	22	4	0
08/02/2023 23:40	2.7	20	20	4	0
08/02/2023 23:50	2.2	12	22	3.5	0
09/02/2023 00:00	2.6	17	20	4	0
09/02/2023 00:10	2.1	343	25	3.3	0
09/02/2023 00:20	2	345	36	3.4	0
09/02/2023 00:30	2	331	29	3.4	0
09/02/2023 00:40	2.2	319	25	4.2	0
09/02/2023 00:50	2.2	311	28	3.7	0
09/02/2023 01:00	2	318	27	3.8	0
09/02/2023 01:10	2.2	301	22	4	0
09/02/2023 01:20	2	306	23	3	0
09/02/2023 01:30	2.3	311	33	4.9	0
09/02/2023 01:40	2.5	312	18	4.4	0
09/02/2023 01:50	1.5	300	26	2.4	0
09/02/2023 02:00	1.9	298	22	3.2	0
09/02/2023 02:10	1.8	297	24	3.3	0
09/02/2023 02:20	1.9	299	22	3.1	0
09/02/2023 02:30	2.4	299	16	3.5	0
09/02/2023 02:40	2.2	298	16	3.5	0
09/02/2023 02:50	1.8	292	19	2.7	0
09/02/2023 03:00	1.9	274	18	2.7	0
09/02/2023 03:10	1.6	269	16	2.4	0
09/02/2023 03:20	2.1	265	15	2.9	0
09/02/2023 03:30	2.1	257	10	2.6	0
09/02/2023 03:40	2.5	248	11	3.3	0
09/02/2023 03:50	2.5	253	14	3.6	0
09/02/2023 04:00	2.7	257	11	3.6	0
09/02/2023 04:10	2.8	260	9	3.4	0
09/02/2023 04:20	2.5	257	11	3.1	0
09/02/2023 04:30	2.7	262	9	3.3	0
09/02/2023 04:40	2.8	260	9	3.6	0
09/02/2023 04:50	3	260	10	3.8	0
09/02/2023 05:00	3.1	261	10	4	0
09/02/2023 05:10	2.8	254	13	4	0
09/02/2023 05:20	2.8	244	13	3.6	0
09/02/2023 05:30	2.8	259	9	3.9	0
09/02/2023 05:40	2.6	258	12	3.5	0
09/02/2023 05:50	2.8	260	10	4.3	0
09/02/2023 06:00	2.2	260	10	2.9	0
09/02/2023 06:10	2	240	14	2.7	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/02/2023 06:20	2.4	228	11	3.2	0
09/02/2023 06:30	2.3	219	14	3.2	0
09/02/2023 06:40	2.5	225	17	3.5	0
09/02/2023 06:50	2.5	226	12	3.4	0
09/02/2023 07:00	2.5	223	15	3.5	0
09/02/2023 07:10	2.2	221	17	2.8	0
09/02/2023 07:20	2.3	240	16	3.4	0
09/02/2023 07:30	2.4	248	20	3.3	0
09/02/2023 07:40	2.5	237	19	3.7	0
09/02/2023 07:50	1.8	230	23	2.9	0
09/02/2023 08:00	1.9	234	27	3.2	0
09/02/2023 08:10	1.6	249	48	2.8	0
09/02/2023 08:20	1.8	250	37	3.5	0
09/02/2023 08:30	2.8	270	25	4.2	0
09/02/2023 08:40	2.8	265	24	4	0
09/02/2023 08:50	2.8	282	21	4	0
09/02/2023 09:00	2.7	264	24	3.7	0
09/02/2023 09:10	2.9	272	22	4.4	0
09/02/2023 09:20	3.3	272	18	4.6	0
09/02/2023 09:30	3.3	276	18	4.4	0
09/02/2023 09:40	3.1	301	19	4.6	0
09/02/2023 09:50	3.9	300	11	5.2	0
09/02/2023 10:00	4	289	15	5.5	0
09/02/2023 10:10	3.8	288	16	5.5	0
09/02/2023 10:20	4.5	286	14	6.1	0
09/02/2023 10:30	4.7	283	14	6.4	0
09/02/2023 10:40	4.9	286	16	6.8	0
09/02/2023 10:50	4.6	289	13	6.4	0
09/02/2023 11:00	4.7	284	14	6.4	0
09/02/2023 11:10	4.5	290	14	6.3	0
09/02/2023 11:20	3.9	291	17	6.3	0
09/02/2023 11:30	4.4	293	15	5.7	0
09/02/2023 11:40	4.4	293	13	6.3	0
09/02/2023 11:50	4.2	297	14	5.8	0
09/02/2023 12:00	4.4	296	11	5.7	0
09/02/2023 12:10	4.3	298	13	5.7	0
09/02/2023 12:20	4.8	297	10	6.3	0
09/02/2023 12:30	4.8	292	12	6.7	0
09/02/2023 12:40	4.3	291	16	6.4	0
09/02/2023 12:50	4.9	290	13	6.6	0
09/02/2023 13:00	4.8	292	14	6.7	0
09/02/2023 13:10	5	293	15	6.7	0
09/02/2023 13:20	5.1	287	14	6.7	0
09/02/2023 13:30	5.1	294	12	6.4	0
09/02/2023 13:40	5.6	292	13	7.4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/02/2023 13:50	5.1	293	13	6.5	0
09/02/2023 14:00	5	297	10	6.6	0
09/02/2023 14:10	4.7	297	18	6.5	0
09/02/2023 14:20	4.1	307	18	5.9	0
09/02/2023 14:30	4.6	298	18	6.8	0
09/02/2023 14:40	4.6	291	15	6.6	0
09/02/2023 14:50	4.4	290	17	6.2	0
09/02/2023 15:00	4.8	294	16	6.5	0
09/02/2023 15:10	4.7	301	12	6.3	0
09/02/2023 15:20	5.1	297	12	6.6	0
09/02/2023 15:30	5.4	294	11	7.1	0
09/02/2023 15:40	5.2	296	12	7.1	0
09/02/2023 15:50	5	296	13	6.4	0
09/02/2023 16:00	5.3	294	11	7	0
09/02/2023 16:10	5.4	293	13	7.1	0
09/02/2023 16:20	5.6	293	12	7.3	0
09/02/2023 16:30	5.5	295	13	7.3	0
09/02/2023 16:40	5.4	291	15	7.1	0
09/02/2023 16:50	5.2	295	12	7.2	0
09/02/2023 17:00	5.3	301	13	6.9	0
09/02/2023 17:10	3.2	326	28	5.5	0
09/02/2023 17:20	3	325	25	5.2	0
09/02/2023 17:30	3.3	342	29	5.9	0
09/02/2023 17:40	3.1	335	28	5.2	0
09/02/2023 17:50	3	319	31	5.8	0
09/02/2023 18:00	3.8	307	17	6.3	0
09/02/2023 18:10	3.8	305	17	5.6	0
09/02/2023 18:20	4	299	14	5.7	0
09/02/2023 18:30	4.3	297	13	6.1	0
09/02/2023 18:40	4	305	16	6	0
09/02/2023 18:50	3.6	311	21	5.6	0
09/02/2023 19:00	2.7	318	22	4.8	0
09/02/2023 19:10	3.5	304	19	5.3	0
09/02/2023 19:20	4.3	297	12	5.9	0
09/02/2023 19:30	4.3	300	13	5.7	0
09/02/2023 19:40	3.6	300	16	5.6	0
09/02/2023 19:50	3.9	296	12	5.8	0
09/02/2023 20:00	4.5	291	12	5.7	0
09/02/2023 20:10	4.4	295	12	5.6	0
09/02/2023 20:20	4	288	14	5.3	0
09/02/2023 20:30	4.4	290	13	5.6	0
09/02/2023 20:40	5.2	296	12	6.8	0
09/02/2023 20:50	5.1	296	12	6.4	0
09/02/2023 21:00	5.1	295	12	6.8	0
09/02/2023 21:10	5.4	297	9	7.1	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/02/2023 21:20	5.2	294	13	6.8	0
09/02/2023 21:30	4.9	294	14	6.8	0
09/02/2023 21:40	5	292	13	6.8	0
09/02/2023 21:50	4.9	291	15	6.5	0
09/02/2023 22:00	5.3	293	13	6.8	0
09/02/2023 22:10	4.9	286	14	7	0
09/02/2023 22:20	5.2	291	13	7.3	0
09/02/2023 22:30	5.3	294	11	7	0
09/02/2023 22:40	5.3	293	12	7.5	0
09/02/2023 22:50	4.6	291	13	6.7	0
09/02/2023 23:00	4.5	288	16	5.9	0
09/02/2023 23:10	4	278	16	5.6	0
09/02/2023 23:20	4.4	279	14	5.7	0
09/02/2023 23:30	4.4	274	13	6.2	0
09/02/2023 23:40	4.5	276	15	6.4	0
09/02/2023 23:50	4.4	275	15	6.1	0
10/02/2023 00:00	4.8	267	13	6.4	0
10/02/2023 00:10	5.1	268	13	6.8	0
10/02/2023 00:20	4.6	274	16	6	0
10/02/2023 00:30	4.2	276	14	6.4	0
10/02/2023 00:40	4.8	270	16	6.8	0
10/02/2023 00:50	4.8	270	12	6.9	0
10/02/2023 01:00	4.8	267	12	6.8	0
10/02/2023 01:10	5	267	13	6.8	0
10/02/2023 01:20	5	268	11	6.8	0
10/02/2023 01:30	4.8	268	14	6.5	0
10/02/2023 01:40	4.2	270	14	6	0
10/02/2023 01:50	5.4	263	11	7.8	0
10/02/2023 02:00	5.5	265	11	7.7	0
10/02/2023 02:10	4.7	269	12	6	0
10/02/2023 02:20	5	266	10	6.7	0
10/02/2023 02:30	4.8	269	14	6.7	0
10/02/2023 02:40	5	264	10	6.7	0
10/02/2023 02:50	4.5	266	12	6.4	0
10/02/2023 03:00	4.5	271	14	6.4	0
10/02/2023 03:10	4.2	267	12	5.8	0
10/02/2023 03:20	4.9	268	13	6.7	0
10/02/2023 03:30	5.2	263	11	7.2	0
10/02/2023 03:40	5.4	257	11	7.5	0
10/02/2023 03:50	5.2	261	9	7.2	0
10/02/2023 04:00	4.8	259	12	6.8	0
10/02/2023 04:10	5.1	261	11	7.5	0
10/02/2023 04:20	5.1	259	11	7.3	0
10/02/2023 04:30	5.1	257	11	6.5	0
10/02/2023 04:40	5.3	261	10	7	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/02/2023 04:50	4.9	261	11	6.7	0
10/02/2023 05:00	4.3	262	9	5.4	0
10/02/2023 05:10	4.2	260	12	5.8	0
10/02/2023 05:20	4.5	264	12	6	0
10/02/2023 05:30	4.6	256	10	6	0
10/02/2023 05:40	4.5	261	11	5.8	0
10/02/2023 05:50	4.3	254	10	6	0
10/02/2023 06:00	4.3	238	13	5.7	0
10/02/2023 06:10	3.1	228	15	4.3	0
10/02/2023 06:20	3	228	13	4.2	0
10/02/2023 06:30	3.2	231	14	4.4	0
10/02/2023 06:40	3.3	229	14	4.4	0
10/02/2023 06:50	3.7	230	14	5.2	0
10/02/2023 07:00	4.2	229	13	5.9	0
10/02/2023 07:10	4.7	228	14	6.7	0
10/02/2023 07:20	4.3	229	15	5.6	0
10/02/2023 07:30	3.9	232	13	5.9	0
10/02/2023 07:40	4.4	229	16	6.1	0
10/02/2023 07:50	4.7	238	14	6.4	0
10/02/2023 08:00	4.7	244	16	6.3	0
10/02/2023 08:10	4.8	240	14	7.2	0
10/02/2023 08:20	5	243	14	6.8	0
10/02/2023 08:30	4.7	234	17	6.5	0
10/02/2023 08:40	4.5	237	16	6.7	0
10/02/2023 08:50	4.5	250	16	6.3	0
10/02/2023 09:00	4.5	249	15	6	0
10/02/2023 09:10	4.6	256	15	6.5	0
10/02/2023 09:20	4.8	241	14	6	0
10/02/2023 09:30	5	246	14	6.6	0
10/02/2023 09:40	4.5	251	15	6.2	0
10/02/2023 09:50	4.9	253	18	6.8	0
10/02/2023 10:00	5.4	253	15	7	0
10/02/2023 10:10	5.1	255	14	6.9	0
10/02/2023 10:20	5.5	257	12	7.5	0
10/02/2023 10:30	5.5	257	13	7.4	0
10/02/2023 10:40	5.2	259	13	7.4	0
10/02/2023 10:50	5.7	260	13	8.3	0
10/02/2023 11:00	6.1	262	11	8	0
10/02/2023 11:10	6.3	261	11	8.5	0
10/02/2023 11:20	6.1	260	13	8.3	0
10/02/2023 11:30	6.1	269	12	8.6	0
10/02/2023 11:40	6.3	269	14	8.2	0
10/02/2023 11:50	6.9	263	14	8.9	0
10/02/2023 12:00	6.4	267	14	8.4	0
10/02/2023 12:10	7.3	262	11	9.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/02/2023 12:20	6.8	261	12	8.8	0
10/02/2023 12:30	6.8	265	12	8.8	0
10/02/2023 12:40	6.7	267	15	8.7	0
10/02/2023 12:50	7	268	13	8.7	0
10/02/2023 13:00	6.8	265	14	8.7	0
10/02/2023 13:10	7.1	267	15	9	0
10/02/2023 13:20	6.7	267	13	8.3	0
10/02/2023 13:30	6.7	265	13	8.6	0
10/02/2023 13:40	6.6	267	13	8.9	0
10/02/2023 13:50	6.5	260	14	8.7	0
10/02/2023 14:00	6.9	262	12	8.7	0
10/02/2023 14:10	7.3	262	13	9.5	0
10/02/2023 14:20	6.8	263	14	9.4	0
10/02/2023 14:30	7.1	264	12	10	0
10/02/2023 14:40	6.7	259	14	8.6	0
10/02/2023 14:50	7.5	259	14	10.7	0
10/02/2023 15:00	7.4	264	11	9.9	0
10/02/2023 15:10	7.7	265	11	10.3	0
10/02/2023 15:20	7.3	265	10	9.9	0
10/02/2023 15:30	7.6	262	12	9.6	0
10/02/2023 15:40	7	264	12	9	0
10/02/2023 15:50	7	264	12	9.5	0
10/02/2023 16:00	7.3	261	10	9.5	0
10/02/2023 16:10	6.4	265	14	8.8	0
10/02/2023 16:20	7.3	261	11	9.1	0
10/02/2023 16:30	6.8	266	11	8.9	0
10/02/2023 16:40	7.8	263	10	9.5	0
10/02/2023 16:50	7.3	259	9	9.7	0
10/02/2023 17:00	7.2	264	12	9.5	0
10/02/2023 17:10	7.5	261	10	9.7	0
10/02/2023 17:20	7.1	261	11	9.7	0
10/02/2023 17:30	7.6	260	10	10.1	0
10/02/2023 17:40	6.9	259	12	9.1	0
10/02/2023 17:50	5.8	269	13	8	0
10/02/2023 18:00	5.8	273	15	8.9	0
10/02/2023 18:10	6	267	12	8.7	0
10/02/2023 18:20	7.5	262	11	9.6	0
10/02/2023 18:30	6.9	262	11	9.6	0
10/02/2023 18:40	7	261	11	9.2	0
10/02/2023 18:50	7.1	264	10	9.1	0
10/02/2023 19:00	6	264	10	8	0
10/02/2023 19:10	6.8	264	12	8.9	0
10/02/2023 19:20	6.6	264	12	9.1	0
10/02/2023 19:30	6.5	268	12	8.6	0
10/02/2023 19:40	6.6	263	11	8.5	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/02/2023 19:50	6.6	264	10	8.3	0
10/02/2023 20:00	5.9	265	13	7.7	0
10/02/2023 20:10	6.1	270	12	8.2	0
10/02/2023 20:20	6	271	15	9.1	0
10/02/2023 20:30	7.1	260	10	8.7	0
10/02/2023 20:40	6.9	263	9	9.1	0
10/02/2023 20:50	6.5	265	10	8.3	0
10/02/2023 21:00	6.6	265	10	8.8	0
10/02/2023 21:10	6.4	267	12	8.7	0
10/02/2023 21:20	6.5	267	11	8.7	0
10/02/2023 21:30	6.3	268	11	8.7	0
10/02/2023 21:40	5.6	270	13	7.7	0
10/02/2023 21:50	5.7	274	13	7.5	0
10/02/2023 22:00	5.3	274	13	7	0
10/02/2023 22:10	5.1	269	14	7.2	0
10/02/2023 22:20	4.7	274	14	6.4	0
10/02/2023 22:30	5.4	265	12	7.5	0
10/02/2023 22:40	5.7	266	11	7.7	0
10/02/2023 22:50	5.7	265	9	8.4	0
10/02/2023 23:00	6.7	263	9	8.6	0
10/02/2023 23:10	5.8	260	10	7.9	0
10/02/2023 23:20	5.7	266	13	7.5	0
10/02/2023 23:30	6.5	264	11	8.5	0
10/02/2023 23:40	6.8	261	10	8.9	0
10/02/2023 23:50	6.1	265	11	8.3	0
11/02/2023 00:00	5.2	269	12	6.9	0
11/02/2023 00:10	5.5	272	12	7.9	0
11/02/2023 00:20	5.4	270	12	7.4	0
11/02/2023 00:30	5.3	271	12	6.9	0
11/02/2023 00:40	5.4	266	11	7.5	0
11/02/2023 00:50	5.1	267	14	7.3	0
11/02/2023 01:00	5.2	268	12	6.7	0
11/02/2023 01:10	5.8	253	11	8	0
11/02/2023 01:20	5.7	261	11	7.6	0
11/02/2023 01:30	4.4	250	12	6.1	0
11/02/2023 01:40	4.7	259	11	6	0
11/02/2023 01:50	4.5	253	11	6.4	0
11/02/2023 02:00	4.6	256	11	6.1	0
11/02/2023 02:10	3.6	238	18	5.3	0
11/02/2023 02:20	3.6	252	10	4.8	0
11/02/2023 02:30	2.7	233	15	4.2	0
11/02/2023 02:40	2.6	227	25	3.8	0
11/02/2023 02:50	2.6	223	17	3.8	0
11/02/2023 03:00	1.3	236	43	2.1	0
11/02/2023 03:10	1.1	220	31	2.2	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/02/2023 03:20	1.8	156	51	2.8	0
11/02/2023 03:30	1.3	121	61	2.3	0
11/02/2023 03:40	1	115	101	1.9	0
11/02/2023 03:50	1.3	111	48	2.2	0
11/02/2023 04:00	1.3	148	38	2.1	0
11/02/2023 04:10	2.9	263	11	4	0
11/02/2023 04:20	2.7	251	13	4	0
11/02/2023 04:30	3.7	264	8	4.5	0
11/02/2023 04:40	3.9	270	11	5.2	0
11/02/2023 04:50	2.9	273	19	4	0
11/02/2023 05:00	2.9	274	17	5	0
11/02/2023 05:10	4.1	282	14	5.7	0
11/02/2023 05:20	4.2	285	15	5.8	0
11/02/2023 05:30	3.5	277	17	5	0
11/02/2023 05:40	3.6	276	19	5.2	0
11/02/2023 05:50	4.2	282	14	5.8	0
11/02/2023 06:00	4.6	286	13	6	0
11/02/2023 06:10	4.7	284	16	6.4	0
11/02/2023 06:20	5	285	15	7.6	0
11/02/2023 06:30	4.5	271	16	6.3	0
11/02/2023 06:40	4.4	277	15	7	0
11/02/2023 06:50	5.1	289	13	7.6	0
11/02/2023 07:00	4.9	286	15	7.4	0
11/02/2023 07:10	5.3	274	14	7.5	0
11/02/2023 07:20	5.2	276	16	7.5	0
11/02/2023 07:30	5.3	279	17	7.2	0
11/02/2023 07:40	6.1	274	15	7.9	0
11/02/2023 07:50	5.3	279	17	7.3	0
11/02/2023 08:00	5.9	264	11	8.4	0
11/02/2023 08:10	6.4	272	14	8.6	0
11/02/2023 08:20	6	270	15	8.4	0
11/02/2023 08:30	6.6	273	14	8.8	0
11/02/2023 08:40	6.7	269	13	9.4	0
11/02/2023 08:50	6.9	276	15	9	0
11/02/2023 09:00	6	272	15	8.3	0
11/02/2023 09:10	6.7	271	13	9.1	0
11/02/2023 09:20	6.8	272	13	9.1	0
11/02/2023 09:30	6.9	270	11	9.5	0
11/02/2023 09:40	6.7	272	14	10.7	0
11/02/2023 09:50	7.3	269	12	10.4	0
11/02/2023 10:00	7.7	264	12	10.4	0
11/02/2023 10:10	7.8	258	11	10.7	0
11/02/2023 10:20	8	253	12	10.6	0
11/02/2023 10:30	7.7	258	10	10.6	0
11/02/2023 10:40	7.5	254	12	9.9	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/02/2023 10:50	7.7	258	11	10.8	0
11/02/2023 11:00	7.6	255	12	10.9	0
11/02/2023 11:10	7.6	254	11	10.2	0
11/02/2023 11:20	7.9	259	12	11.1	0
11/02/2023 11:30	7.6	254	12	10.3	0
11/02/2023 11:40	7.9	252	13	10.1	0
11/02/2023 11:50	7.5	259	12	10	0
11/02/2023 12:00	7.8	252	12	10	0
11/02/2023 12:10	7.8	258	12	9.8	0
11/02/2023 12:20	7.8	253	12	9.5	0
11/02/2023 12:30	7.1	259	14	9.2	0
11/02/2023 12:40	7.6	258	13	10.1	0
11/02/2023 12:50	7	258	13	9.4	0
11/02/2023 13:00	7.3	260	14	9.8	0
11/02/2023 13:10	7.3	258	11	10	0
11/02/2023 13:20	7.6	254	13	9.9	0
11/02/2023 13:30	7.3	255	13	9.8	0
11/02/2023 13:40	6.9	262	14	9.7	0
11/02/2023 13:50	7.4	259	11	9.7	0
11/02/2023 14:00	7.1	260	13	9.5	0
11/02/2023 14:10	7.4	262	13	10	0
11/02/2023 14:20	7.4	261	12	9.6	0
11/02/2023 14:30	7.5	265	12	10.2	0
11/02/2023 14:40	7.4	266	14	10.1	0
11/02/2023 14:50	7.3	261	12	9.5	0
11/02/2023 15:00	7.6	263	11	9.6	0
11/02/2023 15:10	7.6	263	11	10.5	0
11/02/2023 15:20	7.4	265	12	9.9	0
11/02/2023 15:30	7.7	265	12	10.2	0
11/02/2023 15:40	7.9	263	10	10.1	0
11/02/2023 15:50	7.6	264	12	9.9	0
11/02/2023 16:00	7.8	264	11	10	0
11/02/2023 16:10	7.2	261	12	9.7	0
11/02/2023 16:20	7.1	263	12	9.9	0
11/02/2023 16:30	6.9	266	12	9.2	0
11/02/2023 16:40	6.4	281	14	9.3	0
11/02/2023 16:50	6.1	279	16	9	0
11/02/2023 17:00	6.5	270	13	8.8	0
11/02/2023 17:10	6.7	260	13	9.1	0
11/02/2023 17:20	6.8	257	14	9	0
11/02/2023 17:30	6.8	257	11	8.9	0
11/02/2023 17:40	6	255	13	8.4	0
11/02/2023 17:50	5.6	244	14	8.5	0
11/02/2023 18:00	5.9	254	13	7.9	0
11/02/2023 18:10	5.6	249	13	7.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/02/2023 18:20	6.4	252	12	8.8	0
11/02/2023 18:30	6.6	255	13	8.9	0
11/02/2023 18:40	4.4	232	14	6.6	0
11/02/2023 18:50	3.7	259	14	5	0
11/02/2023 19:00	3.7	263	13	5	0
11/02/2023 19:10	3.8	261	11	5.2	0
11/02/2023 19:20	3.9	256	11	4.9	0
11/02/2023 19:30	3.8	262	10	5.8	0
11/02/2023 19:40	4.4	263	10	6.1	0
11/02/2023 19:50	4.9	255	11	6.7	0
11/02/2023 20:00	5.2	257	11	6.8	0
11/02/2023 20:10	5.8	262	10	8.2	0
11/02/2023 20:20	6.7	261	11	9.2	0
11/02/2023 20:30	6.9	258	11	9.9	0
11/02/2023 20:40	6.8	256	10	9.7	0
11/02/2023 20:50	6.3	256	12	8.9	0
11/02/2023 21:00	7.2	256	10	9.4	0
11/02/2023 21:10	6.8	259	12	8.9	0
11/02/2023 21:20	6	261	10	8.3	0
11/02/2023 21:30	6.3	258	10	8.9	0
11/02/2023 21:40	6.4	262	9	8.3	0
11/02/2023 21:50	5.7	258	11	7.9	0
11/02/2023 22:00	6.9	260	11	9.3	0
11/02/2023 22:10	6.7	254	11	8.7	0
11/02/2023 22:20	5.7	258	11	7.2	0
11/02/2023 22:30	4.7	260	12	6.8	0
11/02/2023 22:40	4.7	264	11	6.6	0
11/02/2023 22:50	4.7	254	12	6.6	0
11/02/2023 23:00	4.2	242	12	5.8	0
11/02/2023 23:10	4.4	240	13	5.8	0
11/02/2023 23:20	4.4	232	14	6.4	0
11/02/2023 23:30	4.3	234	13	7	0
11/02/2023 23:40	4.1	240	13	6.2	0
11/02/2023 23:50	3.7	246	12	5.2	0
12/02/2023 00:00	4.1	253	13	5.6	0
12/02/2023 00:10	4.1	256	12	5.7	0
12/02/2023 00:20	3.9	252	10	5.4	0
12/02/2023 00:30	4.6	255	11	6.3	0
12/02/2023 00:40	4.3	248	12	5.8	0
12/02/2023 00:50	4.5	258	10	6	0
12/02/2023 01:00	4.9	256	11	6.4	0
12/02/2023 01:10	4.8	249	12	6.4	0
12/02/2023 01:20	5.2	248	11	7.1	0
12/02/2023 01:30	4.1	249	12	5.6	0
12/02/2023 01:40	4.4	249	13	5.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/02/2023 01:50	4.3	250	11	6.3	0
12/02/2023 02:00	5.4	255	11	7	0
12/02/2023 02:10	5.1	253	11	7.2	0
12/02/2023 02:20	5	253	11	6.8	0
12/02/2023 02:30	4.3	249	12	5.7	0
12/02/2023 02:40	3.8	254	11	5.2	0
12/02/2023 02:50	4.2	248	13	5.6	0
12/02/2023 03:00	4.5	253	11	6.1	0
12/02/2023 03:10	4.6	254	9	6	0
12/02/2023 03:20	4.5	256	12	6.1	0
12/02/2023 03:30	4.7	256	10	6.2	0
12/02/2023 03:40	4.7	253	10	6	0
12/02/2023 03:50	4.5	254	10	6	0
12/02/2023 04:00	4.5	255	10	6	0
12/02/2023 04:10	4.1	250	13	5.5	0
12/02/2023 04:20	4.3	248	12	5.7	0
12/02/2023 04:30	5.3	255	9	7	0
12/02/2023 04:40	5.8	255	11	7.5	0
12/02/2023 04:50	4.5	250	12	6.8	0
12/02/2023 05:00	5.5	254	11	7.8	0
12/02/2023 05:10	5.3	251	11	6.9	0
12/02/2023 05:20	5.3	254	9	7	0
12/02/2023 05:30	5.1	255	12	6.5	0
12/02/2023 05:40	5.2	257	11	6.8	0
12/02/2023 05:50	5.1	252	12	7.2	0
12/02/2023 06:00	4.8	252	12	6.5	0
12/02/2023 06:10	4.7	254	12	6.8	0
12/02/2023 06:20	4.9	255	10	6.6	0
12/02/2023 06:30	4.6	253	10	6.2	0
12/02/2023 06:40	4.9	255	12	6.7	0
12/02/2023 06:50	4.7	254	12	6.4	0
12/02/2023 07:00	4.8	252	14	7.2	0
12/02/2023 07:10	4.8	241	12	6.2	0
12/02/2023 07:20	4.5	245	11	6	0
12/02/2023 07:30	4.5	247	13	6.4	0
12/02/2023 07:40	5.1	247	13	7.1	0
12/02/2023 07:50	5.7	248	11	8.1	0
12/02/2023 08:00	5.8	239	12	7.4	0
12/02/2023 08:10	5.5	247	13	7.7	0
12/02/2023 08:20	5.5	246	13	7.3	0
12/02/2023 08:30	5.1	247	14	7.4	0
12/02/2023 08:40	5.8	242	15	7.7	0
12/02/2023 08:50	6.1	239	13	8.5	0
12/02/2023 09:00	5.7	244	13	8.4	0
12/02/2023 09:10	5.2	246	14	7.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/02/2023 09:20	5.8	243	13	7.9	0
12/02/2023 09:30	5.3	248	14	7.4	0
12/02/2023 09:40	5.5	251	13	7.2	0
12/02/2023 09:50	5.1	250	14	7.2	0
12/02/2023 10:00	5.5	250	14	7.5	0
12/02/2023 10:10	5.2	259	12	6.8	0
12/02/2023 10:20	5.4	265	11	6.8	0
12/02/2023 10:30	5.1	257	12	7.2	0
12/02/2023 10:40	5.7	269	15	7.3	0
12/02/2023 10:50	5.8	262	14	7.8	0
12/02/2023 11:00	6.3	267	12	8.3	0
12/02/2023 11:10	6.5	269	14	8.5	0
12/02/2023 11:20	6	272	12	8.1	0
12/02/2023 11:30	6.5	272	14	9.2	0
12/02/2023 11:40	6.5	267	14	8.7	0
12/02/2023 11:50	6.7	267	13	8.9	0
12/02/2023 12:00	7	269	15	9	0
12/02/2023 12:10	6.4	264	14	8.7	0
12/02/2023 12:20	6.7	262	13	8.9	0
12/02/2023 12:30	6.7	267	14	8.4	0
12/02/2023 12:40	7	267	13	9.7	0
12/02/2023 12:50	7.1	269	14	9.3	0
12/02/2023 13:00	6.5	269	15	8.4	0
12/02/2023 13:10	6.7	272	13	9	0
12/02/2023 13:20	7.1	266	13	9.1	0
12/02/2023 13:30	6.8	268	15	8.3	0
12/02/2023 13:40	6.4	265	12	9	0
12/02/2023 13:50	6.4	264	13	8.4	0
12/02/2023 14:00	6.6	264	12	8.4	0
12/02/2023 14:10	6.3	261	14	8.6	0
12/02/2023 14:20	6.7	261	10	8.4	0
12/02/2023 14:30	7	260	12	8.5	0
12/02/2023 14:40	7.2	262	10	9.2	0
12/02/2023 14:50	7.2	261	9	9.1	0
12/02/2023 15:00	7.1	265	10	9.4	0
12/02/2023 15:10	7.3	264	10	9.2	0
12/02/2023 15:20	6.4	264	15	8.3	0
12/02/2023 15:30	6.5	259	11	8.3	0
12/02/2023 15:40	6.2	268	14	7.9	0
12/02/2023 15:50	5.8	267	16	7.9	0
12/02/2023 16:00	6.1	260	13	8.3	0
12/02/2023 16:10	5.8	263	13	7.2	0
12/02/2023 16:20	5.4	266	14	7.2	0
12/02/2023 16:30	5.4	280	15	7.5	0
12/02/2023 16:40	6	292	11	7.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/02/2023 16:50	5.9	292	15	7.9	0
12/02/2023 17:00	6.4	294	11	8.3	0
12/02/2023 17:10	6.1	291	12	7.9	0
12/02/2023 17:20	5.5	281	14	7.5	0
12/02/2023 17:30	6.6	261	10	8.5	0
12/02/2023 17:40	7	261	10	9	0
12/02/2023 17:50	6.1	260	12	8	0
12/02/2023 18:00	6.7	263	10	9.2	0
12/02/2023 18:10	6.2	270	13	8	0
12/02/2023 18:20	5.9	267	13	8	0
12/02/2023 18:30	5.6	263	11	7.8	0
12/02/2023 18:40	6.2	261	9	7.9	0
12/02/2023 18:50	5.6	264	11	8	0
12/02/2023 19:00	4.9	274	13	7.3	0
12/02/2023 19:10	2.1	140	35	4	0
12/02/2023 19:20	2.9	58	44	5.2	0
12/02/2023 19:30	3.1	158	54	4.8	0
12/02/2023 19:40	1.7	212	22	2.8	0
12/02/2023 19:50	2.3	164	25	3.6	0
12/02/2023 20:00	4.1	293	12	5.3	0
12/02/2023 20:10	4.5	272	15	5.9	0
12/02/2023 20:20	4.9	295	11	6.4	0
12/02/2023 20:30	5.1	288	12	6.8	0
12/02/2023 20:40	4.8	275	15	7.3	0
12/02/2023 20:50	5.9	275	11	8.1	0
12/02/2023 21:00	5.8	268	12	7.9	0
12/02/2023 21:10	6.4	264	11	8.3	0
12/02/2023 21:20	6.2	264	9	8.1	0
12/02/2023 21:30	6.2	263	10	8.7	0
12/02/2023 21:40	5.3	262	11	7.4	0
12/02/2023 21:50	4.4	260	11	6.4	0
12/02/2023 22:00	4.4	265	12	5.9	0
12/02/2023 22:10	5.5	263	9	7.2	0
12/02/2023 22:20	5.9	259	9	7.8	0
12/02/2023 22:30	5.5	259	10	7.5	0
12/02/2023 22:40	5.8	261	9	7.9	0
12/02/2023 22:50	5.7	261	10	7.2	0
12/02/2023 23:00	5.7	264	10	7.8	0
12/02/2023 23:10	6.1	263	10	8	0
12/02/2023 23:20	5.9	258	11	7.8	0
12/02/2023 23:30	6.1	259	12	8.3	0
12/02/2023 23:40	6.5	265	10	8.3	0
12/02/2023 23:50	6.8	263	9	9.1	0
13/02/2023 00:00	6.2	260	10	8.4	0
13/02/2023 00:10	5.9	260	12	8.1	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/02/2023 00:20	6.7	264	8	8.9	0
13/02/2023 00:30	6	262	10	7.9	0
13/02/2023 00:40	5.8	260	9	7.2	0
13/02/2023 00:50	5.8	264	9	7.2	0
13/02/2023 01:00	6.2	263	8	8.3	0
13/02/2023 01:10	6.2	266	10	7.7	0
13/02/2023 01:20	6.2	264	9	8	0
13/02/2023 01:30	5.4	265	10	7.4	0
13/02/2023 01:40	5.8	263	10	7.5	0
13/02/2023 01:50	5.8	262	10	7.7	0
13/02/2023 02:00	6.5	263	9	8.3	0
13/02/2023 02:10	6.3	264	10	7.9	0
13/02/2023 02:20	6.6	263	9	8.5	0
13/02/2023 02:30	6.5	264	9	8.3	0
13/02/2023 02:40	6	257	9	8	0
13/02/2023 02:50	5.2	257	12	6.8	0
13/02/2023 03:00	6.1	257	11	8.1	0
13/02/2023 03:10	6.3	261	10	8.5	0
13/02/2023 03:20	6.5	263	8	8.8	0
13/02/2023 03:30	6.2	261	9	8.1	0
13/02/2023 03:40	6.5	261	9	8.2	0
13/02/2023 03:50	6.1	258	11	8.7	0
13/02/2023 04:00	6.4	256	11	8.6	0
13/02/2023 04:10	6.6	258	10	8.7	0
13/02/2023 04:20	6.8	258	9	8.6	0
13/02/2023 04:30	5.6	252	11	7.5	0
13/02/2023 04:40	4.8	252	10	7.2	0
13/02/2023 04:50	4.2	245	13	6	0
13/02/2023 05:00	3.2	251	14	4.5	0
13/02/2023 05:10	2.7	252	13	4.4	0
13/02/2023 05:20	2.8	252	11	4	0
13/02/2023 05:30	2.7	246	14	4	0
13/02/2023 05:40	1.6	138	33	2.5	0
13/02/2023 05:50	1.5	127	13	2	0
13/02/2023 06:00	0.7	195	48	1.3	0
13/02/2023 06:10	1.4	127	16	2	0
13/02/2023 06:20	0.7	179	24	1.5	0
13/02/2023 06:30	1.1	138	24	1.8	0
13/02/2023 06:40	0.8	111	55	1.5	0
13/02/2023 06:50	1.3	270	21	1.8	0
13/02/2023 07:00	1.2	308	29	1.9	0
13/02/2023 07:10	1.7	267	29	2.6	0
13/02/2023 07:20	1.7	285	21	2.5	0
13/02/2023 07:30	1.5	307	30	2.3	0
13/02/2023 07:40	1.1	319	58	2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/02/2023 07:50	1.4	51	37	2.2	0
13/02/2023 08:00	1.4	15	39	2.6	0
13/02/2023 08:10	2.4	9	15	3.5	0
13/02/2023 08:20	2.8	182	22	4.1	0
13/02/2023 08:30	2.5	14	27	4.1	0
13/02/2023 08:40	2.8	42	25	4.8	0
13/02/2023 08:50	1.8	55	35	3.5	0
13/02/2023 09:00	1.8	333	32	2.8	0
13/02/2023 09:10	2.6	171	23	3.4	0
13/02/2023 09:20	2.8	180	23	4.1	0
13/02/2023 09:30	2.4	332	21	4	0
13/02/2023 09:40	2.6	340	38	4.3	0
13/02/2023 09:50	2.8	350	19	3.9	0
13/02/2023 10:00	2.8	340	20	3.8	0
13/02/2023 10:10	2.5	343	20	3.7	0
13/02/2023 10:20	3	351	20	4.4	0
13/02/2023 10:30	3.3	4	20	5	0
13/02/2023 10:40	3.4	190	23	5	0
13/02/2023 10:50	2.8	349	22	4.4	0
13/02/2023 11:00	3.4	343	20	4.8	0
13/02/2023 11:10	3.2	358	19	4.4	0
13/02/2023 11:20	2.9	355	18	4.4	0
13/02/2023 11:30	2.9	355	22	4.3	0
13/02/2023 11:40	3.2	351	21	4.4	0
13/02/2023 11:50	2.9	179	18	4.2	0
13/02/2023 12:00	3.1	356	22	4.3	0
13/02/2023 12:10	3.5	356	19	4.9	0
13/02/2023 12:20	3.4	351	19	4.9	0
13/02/2023 12:30	3.2	175	21	4.7	0
13/02/2023 12:40	2.4	354	22	3.2	0
13/02/2023 12:50	2.8	342	24	4.3	0
13/02/2023 13:00	2.7	354	22	4.1	0
13/02/2023 13:10	3.1	353	24	4.8	0
13/02/2023 13:20	3.7	350	23	5.7	0
13/02/2023 13:30	3.2	345	20	4.5	0
13/02/2023 13:40	3.1	354	24	4.4	0
13/02/2023 13:50	3.2	179	22	4.8	0
13/02/2023 14:00	3.3	169	26	4.9	0
13/02/2023 14:10	3.5	340	23	5.2	0
13/02/2023 14:20	3	359	22	4.8	0
13/02/2023 14:30	3.6	349	21	5.1	0
13/02/2023 14:40	3.5	357	22	5.1	0
13/02/2023 14:50	3.7	183	22	5.3	0
13/02/2023 15:00	3.7	180	21	6	0
13/02/2023 15:10	3.9	8	21	6	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/02/2023 15:20	4.4	5	20	6.2	0
13/02/2023 15:30	4.5	15	18	6	0
13/02/2023 15:40	3.8	3	23	5.4	0
13/02/2023 15:50	3.7	354	19	5.8	0
13/02/2023 16:00	3.6	6	19	5.6	0
13/02/2023 16:10	4	183	20	5.6	0
13/02/2023 16:20	4.3	354	19	6	0
13/02/2023 16:30	3.8	8	19	5.9	0
13/02/2023 16:40	3.6	166	24	5	0
13/02/2023 16:50	2.6	332	40	4.4	0
13/02/2023 17:00	2.7	320	29	4.4	0
13/02/2023 17:10	2.9	10	19	4.5	0
13/02/2023 17:20	3.6	181	20	5	0
13/02/2023 17:30	3.5	323	22	5.2	0
13/02/2023 17:40	2.4	317	28	4.2	0
13/02/2023 17:50	2.6	312	26	4.3	0
13/02/2023 18:00	3.5	301	13	4.8	0
13/02/2023 18:10	2.4	335	32	3.6	0
13/02/2023 18:20	2	157	40	3.4	0
13/02/2023 18:30	2.4	19	16	3.6	0
13/02/2023 18:40	1.9	169	29	2.9	0
13/02/2023 18:50	2.5	292	29	3.5	0
13/02/2023 19:00	2	316	25	3.6	0
13/02/2023 19:10	1.9	26	22	2.8	0
13/02/2023 19:20	1.7	313	37	2.8	0
13/02/2023 19:30	2	282	23	2.6	0
13/02/2023 19:40	1.7	259	51	3.1	0
13/02/2023 19:50	1.4	312	22	1.9	0
13/02/2023 20:00	1.4	328	33	2.3	0
13/02/2023 20:10	2.6	270	18	3.5	0
13/02/2023 20:20	2.1	284	14	2.7	0
13/02/2023 20:30	2.1	293	11	3.1	0.1
13/02/2023 20:40	2.6	276	14	3.7	0
13/02/2023 20:50	4.4	233	14	6.7	0
13/02/2023 21:00	4.2	238	18	6.4	0
13/02/2023 21:10	4.9	219	16	7.4	0
13/02/2023 21:20	3.4	222	29	5.6	0
13/02/2023 21:30	2.2	77	84	4.1	0
13/02/2023 21:40	3.4	140	36	5.5	0
13/02/2023 21:50	3.3	135	43	5.5	0
13/02/2023 22:00	3.2	141	42	5.1	0
13/02/2023 22:10	3.2	149	30	4.8	0
13/02/2023 22:20	3.5	144	17	5	0
13/02/2023 22:30	3.8	143	14	5.5	0
13/02/2023 22:40	4.1	141	16	6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/02/2023 22:50	4	146	22	5.7	0
13/02/2023 23:00	3.7	139	20	5.3	0
13/02/2023 23:10	3.7	138	16	5.1	0
13/02/2023 23:20	4.1	137	15	5.6	0
13/02/2023 23:30	3.7	139	15	5.6	0
13/02/2023 23:40	3.8	131	16	5.3	0
13/02/2023 23:50	3.5	132	14	4.5	0
14/02/2023 00:00	2.9	126	15	3.8	0
14/02/2023 00:10	3.2	120	14	4.5	0
14/02/2023 00:20	3.9	116	11	5.4	0
14/02/2023 00:30	2.8	120	13	4.2	0
14/02/2023 00:40	2	141	30	3.3	0
14/02/2023 00:50	0.9	198	31	1.6	0
14/02/2023 01:00	2	223	20	2.8	0
14/02/2023 01:10	2.6	225	15	3.9	0
14/02/2023 01:20	2.1	228	15	3.5	0
14/02/2023 01:30	1.4	252	14	1.8	0
14/02/2023 01:40	1.8	260	11	2.5	0
14/02/2023 01:50	1.8	221	32	2.5	0
14/02/2023 02:00	1.6	253	12	2.1	0
14/02/2023 02:10	1.9	253	12	2.8	0
14/02/2023 02:20	1.5	238	13	2	0
14/02/2023 02:30	0.7	210	25	1.2	0
14/02/2023 02:40	0.6	82	14	0.8	0
14/02/2023 02:50	0.8	37	6	0.9	0
14/02/2023 03:00	0.4	6	33	0.8	0
14/02/2023 03:10	1.2	40	6	1.4	0
14/02/2023 03:20	0.8	37	11	1.2	0
14/02/2023 03:30	0.4	200	2	0.8	0
14/02/2023 03:40	1.1	88	8	1.3	0
14/02/2023 03:50	2.2	106	7	2.9	0
14/02/2023 04:00	2.6	121	9	3.6	0
14/02/2023 04:10	2.8	121	12	4.3	0
14/02/2023 04:20	2.7	121	12	4.1	0
14/02/2023 04:30	3	126	14	4.2	0
14/02/2023 04:40	3	120	13	4.4	0
14/02/2023 04:50	3	103	10	4	0
14/02/2023 05:00	3	98	9	3.8	0
14/02/2023 05:10	2.6	94	10	3.6	0
14/02/2023 05:20	2.7	85	10	3.5	0
14/02/2023 05:30	2.7	90	12	3.7	0
14/02/2023 05:40	2.6	95	9	3.4	0
14/02/2023 05:50	2.8	97	10	3.6	0
14/02/2023 06:00	2.8	97	9	3.9	0
14/02/2023 06:10	3.2	92	10	4.1	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/02/2023 06:20	3.6	88	11	4.8	0
14/02/2023 06:30	4	87	8	5.2	0
14/02/2023 06:40	3.7	89	11	4.6	0
14/02/2023 06:50	4.2	87	9	5.3	0
14/02/2023 07:00	4.1	87	10	5.4	0
14/02/2023 07:10	4.8	88	11	6.1	0
14/02/2023 07:20	4.7	86	9	6.1	0
14/02/2023 07:30	4.8	84	11	6.3	0
14/02/2023 07:40	5.1	87	10	6.5	0
14/02/2023 07:50	4.9	90	11	6.5	0
14/02/2023 08:00	5	89	10	6.7	0
14/02/2023 08:10	5.4	86	10	7.4	0
14/02/2023 08:20	6.2	89	10	8.2	0
14/02/2023 08:30	5.9	90	9	7.7	0
14/02/2023 08:40	5.9	85	11	7.6	0
14/02/2023 08:50	6.6	91	9	8.3	0
14/02/2023 09:00	6.3	87	10	8.3	0.1
14/02/2023 09:10	6.4	82	11	9.1	0
14/02/2023 09:20	6.7	78	11	8.8	0
14/02/2023 09:30	7.6	72	9	9.5	0
14/02/2023 09:40	7.2	71	10	9.4	0
14/02/2023 09:50	7.2	74	11	9.1	0
14/02/2023 10:00	7.3	69	10	9.5	0
14/02/2023 10:10	7.2	69	11	9.7	0
14/02/2023 10:20	6.9	75	11	8.7	0
14/02/2023 10:30	6.8	73	11	9.1	0
14/02/2023 10:40	6.6	76	11	8.7	0
14/02/2023 10:50	6.8	78	11	8.6	0
14/02/2023 11:00	6	77	11	8.4	0
14/02/2023 11:10	6.2	79	12	8.7	0
14/02/2023 11:20	6	71	13	7.5	0
14/02/2023 11:30	5.9	69	12	8.3	0
14/02/2023 11:40	6.8	75	12	8.9	0
14/02/2023 11:50	6.7	74	11	9	0
14/02/2023 12:00	6.4	78	12	8.4	0
14/02/2023 12:10	6.5	76	11	8.3	0
14/02/2023 12:20	5.8	76	13	7.3	0
14/02/2023 12:30	5	67	18	7.3	0
14/02/2023 12:40	4.4	59	20	6.6	0
14/02/2023 12:50	3	158	48	5.7	0
14/02/2023 13:00	6.1	285	17	8.7	0
14/02/2023 13:10	4.5	307	16	6.2	0
14/02/2023 13:20	5.3	288	16	7.6	0
14/02/2023 13:30	4.7	291	16	6.5	0
14/02/2023 13:40	5.1	283	18	7.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/02/2023 13:50	4.6	276	20	7.2	0
14/02/2023 14:00	4.3	284	17	6.2	0
14/02/2023 14:10	4.8	289	16	6.6	0
14/02/2023 14:20	4.4	317	27	6.5	0
14/02/2023 14:30	4.5	297	27	6.8	0
14/02/2023 14:40	5.2	301	15	6.8	0
14/02/2023 14:50	6	291	14	8.2	0
14/02/2023 15:00	5.8	296	11	7.5	0
14/02/2023 15:10	6.2	290	14	7.9	0
14/02/2023 15:20	5.2	294	19	7.1	0
14/02/2023 15:30	5.2	292	17	7.9	0
14/02/2023 15:40	5.1	297	14	6.8	0
14/02/2023 15:50	4.8	292	16	7.2	0
14/02/2023 16:00	4.6	290	17	7	0
14/02/2023 16:10	5.2	282	18	7.4	0
14/02/2023 16:20	5.5	288	14	6.7	0
14/02/2023 16:30	4.8	284	13	6.7	0
14/02/2023 16:40	5.1	295	10	6.3	0
14/02/2023 16:50	4.7	291	14	6.3	0
14/02/2023 17:00	4.9	287	13	6.9	0
14/02/2023 17:10	5.2	289	14	7.2	0
14/02/2023 17:20	5.5	289	13	7.4	0
14/02/2023 17:30	5.4	292	12	7.2	0
14/02/2023 17:40	5.2	291	13	6.6	0
14/02/2023 17:50	5.4	290	14	7.3	0
14/02/2023 18:00	5.1	288	13	6.9	0
14/02/2023 18:10	5.2	273	16	7.1	0
14/02/2023 18:20	5.1	282	14	6.6	0
14/02/2023 18:30	4.8	269	14	6.6	0
14/02/2023 18:40	4.6	257	13	6.8	0
14/02/2023 18:50	4.9	257	13	6.4	0
14/02/2023 19:00	4.9	258	13	6.8	0
14/02/2023 19:10	5	259	12	7.2	0
14/02/2023 19:20	5.5	262	9	7.1	0
14/02/2023 19:30	5.2	263	9	6.8	0
14/02/2023 19:40	5.2	261	9	6.9	0
14/02/2023 19:50	4.8	260	12	6.5	0
14/02/2023 20:00	4.7	262	10	6.4	0
14/02/2023 20:10	4.7	258	12	6.5	0
14/02/2023 20:20	4.4	257	13	5.6	0
14/02/2023 20:30	4.3	257	13	6.1	0
14/02/2023 20:40	4.3	252	14	5.8	0
14/02/2023 20:50	4.7	253	11	6.3	0
14/02/2023 21:00	4.4	248	11	5.5	0
14/02/2023 21:10	2.9	226	20	4.1	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/02/2023 21:20	2.9	226	18	4.6	0
14/02/2023 21:30	3.5	231	12	4.9	0
14/02/2023 21:40	3.2	233	15	4.7	0
14/02/2023 21:50	2.7	232	17	4	0
14/02/2023 22:00	2.8	248	11	3.8	0
14/02/2023 22:10	2.7	246	12	3.5	0
14/02/2023 22:20	2.7	251	12	3.6	0
14/02/2023 22:30	3	259	10	4.1	0
14/02/2023 22:40	2.7	252	11	3.7	0
14/02/2023 22:50	2.6	258	11	3.4	0
14/02/2023 23:00	2.9	262	9	3.8	0
14/02/2023 23:10	3.4	264	8	4.2	0
14/02/2023 23:20	3.1	257	11	4.2	0
14/02/2023 23:30	3	259	10	4.1	0
14/02/2023 23:40	4	263	9	5.2	0
14/02/2023 23:50	3.9	256	11	5.3	0
15/02/2023 00:00	3.9	256	11	5.2	0
15/02/2023 00:10	3.7	259	10	4.8	0
15/02/2023 00:20	3.3	252	11	4.7	0
15/02/2023 00:30	2.9	254	11	4.1	0
15/02/2023 00:40	3.1	249	11	4	0
15/02/2023 00:50	3.7	254	12	5	0
15/02/2023 01:00	3.3	259	10	4.6	0
15/02/2023 01:10	3.3	255	11	4.6	0
15/02/2023 01:20	3.2	259	11	4.3	0
15/02/2023 01:30	3.2	261	10	4.2	0
15/02/2023 01:40	3.2	264	10	4.4	0
15/02/2023 01:50	2.6	260	11	3.5	0
15/02/2023 02:00	3	254	10	4.4	0
15/02/2023 02:10	3.1	253	11	4.3	0
15/02/2023 02:20	2.8	255	12	3.6	0
15/02/2023 02:30	2.6	254	11	3.5	0
15/02/2023 02:40	2.8	252	9	3.6	0
15/02/2023 02:50	3.2	252	9	4.4	0
15/02/2023 03:00	3.2	258	11	4.8	0
15/02/2023 03:10	2.5	250	11	3.4	0
15/02/2023 03:20	2.1	249	11	2.6	0
15/02/2023 03:30	2.2	248	11	3	0
15/02/2023 03:40	2	248	10	2.7	0
15/02/2023 03:50	1.9	244	11	2.6	0
15/02/2023 04:00	1.9	242	9	2.7	0
15/02/2023 04:10	1.6	239	9	1.9	0
15/02/2023 04:20	1.7	244	9	2.2	0
15/02/2023 04:30	1.6	238	9	2	0
15/02/2023 04:40	1.6	229	7	2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/02/2023 04:50	1.7	243	11	2.3	0
15/02/2023 05:00	1.6	254	9	2	0
15/02/2023 05:10	1.3	245	9	1.8	0
15/02/2023 05:20	1.6	248	9	2.4	0
15/02/2023 05:30	1.8	245	10	2.5	0
15/02/2023 05:40	2.1	253	10	2.4	0
15/02/2023 05:50	2.2	257	7	2.8	0
15/02/2023 06:00	2.3	256	8	2.9	0
15/02/2023 06:10	2.5	254	9	3.1	0
15/02/2023 06:20	2.5	251	8	3.2	0
15/02/2023 06:30	2.6	258	10	3.4	0
15/02/2023 06:40	2.8	255	11	3.6	0
15/02/2023 06:50	2.3	246	11	2.9	0
15/02/2023 07:00	2.5	237	12	3.2	0
15/02/2023 07:10	2.6	234	14	3.7	0
15/02/2023 07:20	3.5	243	14	4.8	0
15/02/2023 07:30	3.1	243	14	4.1	0
15/02/2023 07:40	3.5	245	11	5	0
15/02/2023 07:50	4.1	251	12	5.2	0
15/02/2023 08:00	4.3	252	14	5.4	0
15/02/2023 08:10	4.2	253	14	5.6	0
15/02/2023 08:20	4.7	246	12	6.2	0
15/02/2023 08:30	4.3	247	12	5.7	0
15/02/2023 08:40	4.8	249	12	6	0
15/02/2023 08:50	4.9	251	11	6.4	0
15/02/2023 09:00	4.4	254	15	6	0
15/02/2023 09:10	3.7	255	14	5.3	0
15/02/2023 09:20	4.3	266	14	5.6	0
15/02/2023 09:30	4.1	265	13	5.6	0
15/02/2023 09:40	3.7	259	14	5	0
15/02/2023 09:50	3.8	266	16	5	0
15/02/2023 10:00	4.1	268	15	5.9	0
15/02/2023 10:10	4.1	292	15	5.8	0
15/02/2023 10:20	3.5	288	17	4.6	0
15/02/2023 10:30	2.8	283	25	4	0
15/02/2023 10:40	2.8	296	16	3.8	0
15/02/2023 10:50	3.5	302	12	4.8	0
15/02/2023 11:00	4.3	296	9	5.5	0
15/02/2023 11:10	4.6	299	12	6.5	0
15/02/2023 11:20	5.4	300	9	6.7	0
15/02/2023 11:30	5.4	300	9	7.2	0
15/02/2023 11:40	6	297	11	7.6	0
15/02/2023 11:50	6	296	11	7.6	0
15/02/2023 12:00	5.2	298	15	6.8	0
15/02/2023 12:10	5.3	300	12	7	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/02/2023 12:20	5.4	307	13	7.2	0
15/02/2023 12:30	5.6	296	14	7.5	0
15/02/2023 12:40	5.8	289	15	7.4	0
15/02/2023 12:50	5.6	295	14	7.5	0
15/02/2023 13:00	6.2	296	10	8.2	0
15/02/2023 13:10	5.7	292	13	7.5	0
15/02/2023 13:20	5.4	295	16	7.7	0
15/02/2023 13:30	5.4	296	12	7.2	0
15/02/2023 13:40	5.6	298	14	7.1	0
15/02/2023 13:50	5.9	300	13	7.8	0
15/02/2023 14:00	6	300	10	7.8	0
15/02/2023 14:10	6.2	298	12	7.9	0
15/02/2023 14:20	4.9	293	15	7.2	0
15/02/2023 14:30	5.9	268	18	7.8	0
15/02/2023 14:40	6.4	267	13	8.8	0
15/02/2023 14:50	6.6	268	15	8.9	0
15/02/2023 15:00	6.7	265	12	9.1	0
15/02/2023 15:10	7.6	264	10	9.7	0
15/02/2023 15:20	7.9	262	11	10.2	0
15/02/2023 15:30	7.4	263	9	9.9	0
15/02/2023 15:40	7.7	262	11	9.9	0
15/02/2023 15:50	7.8	264	11	10.3	0
15/02/2023 16:00	8	264	11	10.3	0
15/02/2023 16:10	8.6	264	10	11.2	0
15/02/2023 16:20	7.3	263	10	9.8	0
15/02/2023 16:30	7.6	262	14	10.7	0
15/02/2023 16:40	7.8	262	10	9.9	0
15/02/2023 16:50	7.8	264	11	10.2	0
15/02/2023 17:00	7.5	266	12	9.9	0
15/02/2023 17:10	6.8	263	11	9.3	0
15/02/2023 17:20	7.4	263	8	9.5	0
15/02/2023 17:30	7.4	265	11	9.9	0
15/02/2023 17:40	7.1	263	12	10.3	0
15/02/2023 17:50	7	263	9	9.1	0
15/02/2023 18:00	6.8	265	11	8.7	0
15/02/2023 18:10	6.3	260	11	8.7	0
15/02/2023 18:20	6.6	264	10	8.8	0
15/02/2023 18:30	7	263	10	9.5	0
15/02/2023 18:40	6.4	260	11	8.1	0
15/02/2023 18:50	6.8	262	12	9.1	0
15/02/2023 19:00	6.1	260	10	8.1	0
15/02/2023 19:10	6.2	262	10	8.7	0
15/02/2023 19:20	5.7	260	12	8.2	0
15/02/2023 19:30	6.6	257	11	9.6	0
15/02/2023 19:40	7.1	255	10	9.8	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/02/2023 19:50	6.6	255	11	8.5	0
15/02/2023 20:00	6.1	256	10	8.7	0
15/02/2023 20:10	6.1	257	11	8.1	0
15/02/2023 20:20	6.3	254	12	8.4	0
15/02/2023 20:30	6.2	256	11	8.3	0
15/02/2023 20:40	6.4	256	11	8.5	0
15/02/2023 20:50	5.8	256	11	7.7	0
15/02/2023 21:00	5.1	252	11	7.1	0
15/02/2023 21:10	6	254	12	7.9	0
15/02/2023 21:20	5.2	252	12	7.2	0
15/02/2023 21:30	5	250	12	7.6	0
15/02/2023 21:40	4.9	254	12	7	0
15/02/2023 21:50	5	255	12	6.8	0
15/02/2023 22:00	4.9	253	12	6.8	0
15/02/2023 22:10	4.3	252	13	5.9	0
15/02/2023 22:20	4.8	252	10	7.3	0
15/02/2023 22:30	4.5	247	12	6.4	0
15/02/2023 22:40	4.9	243	12	7.1	0
15/02/2023 22:50	4.6	242	13	6.4	0
15/02/2023 23:00	4.9	247	12	6.9	0
15/02/2023 23:10	5	243	15	6.8	0
15/02/2023 23:20	5.1	244	12	7.2	0
15/02/2023 23:30	5.4	242	15	7.5	0
15/02/2023 23:40	5.7	240	12	7.5	0
15/02/2023 23:50	5.2	242	13	7.7	0
16/02/2023 00:00	5.1	244	12	7.7	0
16/02/2023 00:10	5.5	246	14	7.5	0
16/02/2023 00:20	4.9	243	12	7.2	0
16/02/2023 00:30	4.7	242	12	6.7	0
16/02/2023 00:40	5	240	13	7	0
16/02/2023 00:50	5.2	241	14	7.6	0
16/02/2023 01:00	5.1	247	12	7.2	0
16/02/2023 01:10	4.6	245	13	6.4	0
16/02/2023 01:20	4.1	248	12	5.9	0
16/02/2023 01:30	4.6	249	13	6.3	0
16/02/2023 01:40	3.8	246	14	5.4	0
16/02/2023 01:50	4.1	241	13	5.8	0
16/02/2023 02:00	4.3	241	12	6.4	0
16/02/2023 02:10	4.4	246	12	6.4	0
16/02/2023 02:20	4.3	242	10	5.7	0
16/02/2023 02:30	4.2	245	12	5.5	0
16/02/2023 02:40	3.8	247	13	4.8	0
16/02/2023 02:50	3.7	250	12	5.2	0
16/02/2023 03:00	3.4	244	10	4.7	0
16/02/2023 03:10	2.6	237	13	3.8	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/02/2023 03:20	2.9	238	13	3.9	0
16/02/2023 03:30	2.6	232	13	3.6	0
16/02/2023 03:40	2.6	238	11	3.4	0
16/02/2023 03:50	2.8	241	13	4	0
16/02/2023 04:00	2.4	242	12	3.4	0
16/02/2023 04:10	2.1	241	13	3.2	0
16/02/2023 04:20	2	241	13	2.7	0
16/02/2023 04:30	2.3	246	10	3.2	0
16/02/2023 04:40	2.9	247	11	4	0
16/02/2023 04:50	2.1	245	11	3	0
16/02/2023 05:00	1.8	256	16	2.4	0
16/02/2023 05:10	1.8	268	12	2.2	0
16/02/2023 05:20	1.8	273	10	2.4	0
16/02/2023 05:30	2.2	271	9	2.7	0
16/02/2023 05:40	2.5	270	8	3.2	0
16/02/2023 05:50	2.8	267	8	3.7	0
16/02/2023 06:00	2.9	271	10	3.5	0
16/02/2023 06:10	2.8	272	8	3.5	0
16/02/2023 06:20	2.6	269	9	3.3	0
16/02/2023 06:30	2.1	258	10	2.9	0
16/02/2023 06:40	2	258	9	2.9	0
16/02/2023 06:50	2.1	259	10	2.8	0
16/02/2023 07:00	1.7	249	13	2.4	0
16/02/2023 07:10	1.2	257	15	1.6	0
16/02/2023 07:20	1.8	247	13	2.4	0
16/02/2023 07:30	2.2	249	9	3.1	0
16/02/2023 07:40	2.8	250	12	3.5	0
16/02/2023 07:50	3.2	255	9	4	0
16/02/2023 08:00	3	255	13	3.7	0
16/02/2023 08:10	2.7	271	13	3.5	0
16/02/2023 08:20	2.5	298	17	3.4	0
16/02/2023 08:30	2.2	309	30	3.3	0
16/02/2023 08:40	1.4	281	52	2.4	0
16/02/2023 08:50	1.9	225	28	3.3	0
16/02/2023 09:00	2.6	239	17	3.6	0
16/02/2023 09:10	2.4	242	19	3.3	0
16/02/2023 09:20	2.5	243	19	3.2	0
16/02/2023 09:30	2.7	246	18	3.7	0
16/02/2023 09:40	1.7	231	25	2.8	0
16/02/2023 09:50	1.7	269	43	2.8	0
16/02/2023 10:00	1.4	193	65	2.6	0
16/02/2023 10:10	1.2	190	63	2.2	0
16/02/2023 10:20	2	153	36	3.8	0
16/02/2023 10:30	3.1	268	31	4.5	0
16/02/2023 10:40	3.1	254	22	4.9	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/02/2023 10:50	2.9	245	23	4.8	0
16/02/2023 11:00	3.2	268	26	4.5	0
16/02/2023 11:10	4.4	266	12	5.4	0
16/02/2023 11:20	4.7	260	11	5.7	0
16/02/2023 11:30	4.3	266	13	5.5	0
16/02/2023 11:40	4.7	253	13	6.2	0
16/02/2023 11:50	4.8	259	13	6	0
16/02/2023 12:00	5.3	262	10	6.7	0
16/02/2023 12:10	5.9	262	9	7.2	0
16/02/2023 12:20	6	260	10	7.6	0
16/02/2023 12:30	6.3	262	10	7.6	0
16/02/2023 12:40	5.9	254	11	7.3	0
16/02/2023 12:50	6.4	255	10	8.1	0
16/02/2023 13:00	6.2	262	12	7.5	0
16/02/2023 13:10	7.1	264	9	8.7	0
16/02/2023 13:20	7.1	261	10	8.9	0
16/02/2023 13:30	6.4	260	10	7.5	0
16/02/2023 13:40	6.6	265	11	8.1	0
16/02/2023 13:50	6.4	265	13	8.1	0
16/02/2023 14:00	6.6	267	12	8.3	0
16/02/2023 14:10	6.7	262	11	8.7	0
16/02/2023 14:20	6.3	267	13	8.8	0
16/02/2023 14:30	6.4	263	11	8.8	0
16/02/2023 14:40	6.2	266	14	8.7	0
16/02/2023 14:50	6.6	265	11	9.1	0
16/02/2023 15:00	6.6	263	15	9.2	0
16/02/2023 15:10	6.2	268	15	8.7	0
16/02/2023 15:20	6.5	259	13	9	0
16/02/2023 15:30	6.7	265	13	9.2	0
16/02/2023 15:40	7.2	266	11	9.5	0
16/02/2023 15:50	6.5	265	13	8.3	0
16/02/2023 16:00	7.4	263	11	10.3	0
16/02/2023 16:10	6.5	269	14	8.6	0
16/02/2023 16:20	6.6	278	13	8.7	0
16/02/2023 16:30	6.1	280	15	8.5	0
16/02/2023 16:40	6.2	271	12	8.8	0
16/02/2023 16:50	7.2	266	11	9.1	0
16/02/2023 17:00	6.4	262	13	8.4	0
16/02/2023 17:10	6.8	261	11	9.3	0
16/02/2023 17:20	7.6	258	12	9.9	0
16/02/2023 17:30	7.2	255	11	9.7	0
16/02/2023 17:40	7.4	261	11	9.9	0
16/02/2023 17:50	8.1	260	11	10.3	0
16/02/2023 18:00	7.7	263	11	10.2	0
16/02/2023 18:10	8.1	265	10	10.4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/02/2023 18:20	8.3	262	9	10.7	0
16/02/2023 18:30	7.5	262	11	9.7	0
16/02/2023 18:40	7.4	262	10	9.9	0
16/02/2023 18:50	7.4	262	11	9.9	0
16/02/2023 19:00	7.2	259	10	9.7	0
16/02/2023 19:10	6.7	260	11	9.1	0
16/02/2023 19:20	7.3	257	11	10.3	0
16/02/2023 19:30	6.7	258	11	9.1	0
16/02/2023 19:40	6.1	256	11	8.5	0
16/02/2023 19:50	6.8	256	10	9.7	0
16/02/2023 20:00	7.2	256	11	10.3	0
16/02/2023 20:10	7.2	253	11	9.4	0
16/02/2023 20:20	7.2	255	12	9.9	0
16/02/2023 20:30	6.5	256	10	8.4	0
16/02/2023 20:40	6.3	252	12	8.3	0
16/02/2023 20:50	6	253	13	8.4	0
16/02/2023 21:00	5.7	253	12	8.2	0
16/02/2023 21:10	5.3	249	13	7.5	0
16/02/2023 21:20	4.9	247	12	7.1	0
16/02/2023 21:30	4.8	245	12	6.4	0
16/02/2023 21:40	4.3	248	13	5.9	0
16/02/2023 21:50	4.6	247	12	6.7	0
16/02/2023 22:00	4.4	250	11	6.8	0
16/02/2023 22:10	3.9	248	13	5.9	0
16/02/2023 22:20	3.6	246	13	5.3	0
16/02/2023 22:30	3.4	251	11	4.8	0
16/02/2023 22:40	3.4	255	11	4.6	0
16/02/2023 22:50	3.2	253	11	4.8	0
16/02/2023 23:00	3	251	11	4	0
16/02/2023 23:10	3.3	249	10	4.3	0
16/02/2023 23:20	3.1	242	12	4.6	0
16/02/2023 23:30	2.9	240	12	4.2	0
16/02/2023 23:40	3.1	239	12	4.3	0
16/02/2023 23:50	3.7	237	11	4.8	0
17/02/2023 00:00	3.3	241	11	4.5	0
17/02/2023 00:10	3.5	237	12	4.5	0
17/02/2023 00:20	3.8	233	14	5.3	0
17/02/2023 00:30	4.2	232	12	5.7	0
17/02/2023 00:40	4.3	231	16	6	0
17/02/2023 00:50	4.7	229	12	6.4	0
17/02/2023 01:00	4.1	228	14	6	0
17/02/2023 01:10	3.6	230	15	5.1	0
17/02/2023 01:20	3.5	225	15	5	0
17/02/2023 01:30	3.6	219	15	5.3	0
17/02/2023 01:40	3.7	219	14	4.8	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/02/2023 01:50	3.4	217	14	4.4	0
17/02/2023 02:00	3	214	18	4	0
17/02/2023 02:10	2.5	215	20	3.2	0
17/02/2023 02:20	2.9	215	14	3.7	0
17/02/2023 02:30	2.1	216	25	3	0
17/02/2023 02:40	2.3	215	26	3.2	0
17/02/2023 02:50	2.9	216	17	3.8	0
17/02/2023 03:00	2.5	219	28	3.6	0
17/02/2023 03:10	2.7	218	17	3.6	0
17/02/2023 03:20	2.4	216	26	3.6	0
17/02/2023 03:30	2.7	214	18	4	0
17/02/2023 03:40	3.2	226	15	4.4	0
17/02/2023 03:50	3.1	230	13	4.6	0
17/02/2023 04:00	3.1	223	14	4.5	0
17/02/2023 04:10	3.2	215	14	4.3	0
17/02/2023 04:20	2.7	221	45	4	0
17/02/2023 04:30	2.7	219	27	3.6	0
17/02/2023 04:40	2	187	43	3.3	0
17/02/2023 04:50	1.9	132	57	3.2	0
17/02/2023 05:00	1.6	107	65	3.2	0
17/02/2023 05:10	1.4	234	74	2.3	0
17/02/2023 05:20	1.5	131	62	2.8	0
17/02/2023 05:30	2.1	128	52	3.9	0
17/02/2023 05:40	2.2	145	29	3.4	0
17/02/2023 05:50	1.9	144	33	3.1	0
17/02/2023 06:00	1.1	173	84	1.9	0
17/02/2023 06:10	2	145	28	3	0
17/02/2023 06:20	2.1	145	23	3.1	0
17/02/2023 06:30	1.9	143	26	3.2	0
17/02/2023 06:40	2	141	31	3.2	0
17/02/2023 06:50	2.2	143	18	3.4	0
17/02/2023 07:00	2.9	139	18	4.4	0
17/02/2023 07:10	3	147	22	5	0
17/02/2023 07:20	2.5	136	27	3.8	0
17/02/2023 07:30	2.6	141	30	4.2	0
17/02/2023 07:40	2.7	139	33	4.8	0
17/02/2023 07:50	2.3	146	37	3.4	0
17/02/2023 08:00	2.4	140	39	4.2	0
17/02/2023 08:10	2.8	140	21	4	0
17/02/2023 08:20	3.1	141	19	4.6	0
17/02/2023 08:30	2.7	134	19	3.9	0
17/02/2023 08:40	2.9	138	20	4.7	0
17/02/2023 08:50	3	137	43	4.8	0
17/02/2023 09:00	2.9	129	24	5	0
17/02/2023 09:10	3.1	130	18	4.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/02/2023 09:20	2.6	135	31	3.9	0
17/02/2023 09:30	2.8	178	61	4.9	0
17/02/2023 09:40	2.4	141	61	4.5	0
17/02/2023 09:50	3.1	141	38	5.2	0
17/02/2023 10:00	3.6	129	18	6.2	0
17/02/2023 10:10	3.9	131	19	6.1	0
17/02/2023 10:20	3.8	131	18	5.4	0
17/02/2023 10:30	3.3	130	23	5.5	0
17/02/2023 10:40	3.6	136	21	5.2	0
17/02/2023 10:50	3.6	128	18	5.5	0
17/02/2023 11:00	3.6	130	18	5.3	0
17/02/2023 11:10	3.6	132	20	5	0
17/02/2023 11:20	2.9	133	35	5.6	0
17/02/2023 11:30	3.2	129	28	4.8	0
17/02/2023 11:40	2.9	132	45	4.8	0
17/02/2023 11:50	2.7	138	45	4.5	0
17/02/2023 12:00	2.9	128	32	4.6	0
17/02/2023 12:10	3.1	119	25	5.2	0
17/02/2023 12:20	4.2	96	23	6.9	0
17/02/2023 12:30	3.6	56	22	5.5	0
17/02/2023 12:40	4.3	6	22	6.7	0
17/02/2023 12:50	4.9	342	20	6.8	0
17/02/2023 13:00	4.7	343	19	6.9	0
17/02/2023 13:10	4.6	339	20	6.1	0
17/02/2023 13:20	3.8	355	19	5.4	0
17/02/2023 13:30	4.6	349	18	6.5	0
17/02/2023 13:40	4.9	348	19	6.9	0
17/02/2023 13:50	4.6	349	20	6.8	0
17/02/2023 14:00	5.1	337	20	7	0
17/02/2023 14:10	4.4	349	20	6.3	0
17/02/2023 14:20	4.5	352	19	6.8	0
17/02/2023 14:30	4.3	342	19	6.4	0
17/02/2023 14:40	4	180	24	6	0
17/02/2023 14:50	4.4	183	19	6.8	0
17/02/2023 15:00	4.5	354	24	6.3	0
17/02/2023 15:10	4.2	6	21	6.3	0
17/02/2023 15:20	4.3	11	20	6.4	0
17/02/2023 15:30	4.4	5	20	6.4	0
17/02/2023 15:40	4.8	7	15	6.8	0
17/02/2023 15:50	4.4	182	22	6.3	0
17/02/2023 16:00	4	353	22	6.4	0
17/02/2023 16:10	3.7	336	22	6.1	0
17/02/2023 16:20	3.6	346	25	5.2	0
17/02/2023 16:30	3.4	328	28	5.5	0
17/02/2023 16:40	5.1	299	14	6.9	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/02/2023 16:50	5.2	300	12	6.8	0
17/02/2023 17:00	5.4	297	11	7.1	0
17/02/2023 17:10	5.1	291	13	6.9	0
17/02/2023 17:20	5.1	293	13	6.7	0
17/02/2023 17:30	4.9	287	14	6.4	0
17/02/2023 17:40	4.6	288	12	6	0
17/02/2023 17:50	4.1	286	15	5.6	0
17/02/2023 18:00	3.8	287	14	5.5	0
17/02/2023 18:10	4.3	287	13	5.6	0
17/02/2023 18:20	4.2	290	13	5.6	0
17/02/2023 18:30	4.2	284	14	6	0
17/02/2023 18:40	3.9	283	17	5.1	0
17/02/2023 18:50	3.6	283	14	5	0
17/02/2023 19:00	3.8	286	14	5.2	0
17/02/2023 19:10	3.7	290	13	5.1	0
17/02/2023 19:20	3.6	286	15	4.9	0
17/02/2023 19:30	3.8	285	15	5.2	0
17/02/2023 19:40	4.2	291	11	5.6	0
17/02/2023 19:50	3.6	283	14	5.3	0
17/02/2023 20:00	3.7	287	16	5.4	0
17/02/2023 20:10	3.4	288	13	4.7	0
17/02/2023 20:20	3.5	286	15	5.1	0
17/02/2023 20:30	3	277	14	4.5	0
17/02/2023 20:40	3.5	271	14	5	0
17/02/2023 20:50	4.5	269	14	6	0
17/02/2023 21:00	4.3	271	13	5.7	0
17/02/2023 21:10	4.2	273	14	5.6	0
17/02/2023 21:20	4.1	270	13	5.6	0
17/02/2023 21:30	4.6	269	12	6.1	0
17/02/2023 21:40	4.7	267	12	6.3	0
17/02/2023 21:50	4	271	13	5.4	0
17/02/2023 22:00	3.6	272	12	4.7	0
17/02/2023 22:10	3.8	266	12	5.1	0
17/02/2023 22:20	4.3	266	10	5.5	0
17/02/2023 22:30	4.6	263	10	5.5	0
17/02/2023 22:40	3.8	264	10	4.9	0
17/02/2023 22:50	3.7	266	12	5	0
17/02/2023 23:00	2.9	276	13	4	0
17/02/2023 23:10	3.1	288	15	4.4	0
17/02/2023 23:20	2.8	286	15	4.2	0
17/02/2023 23:30	3	291	13	4.1	0
17/02/2023 23:40	3.2	296	12	4.4	0
17/02/2023 23:50	3.4	295	13	4.4	0
18/02/2023 00:00	3.4	295	12	4.5	0
18/02/2023 00:10	2.4	290	13	3.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/02/2023 00:20	2.8	297	12	3.8	0
18/02/2023 00:30	2.9	293	14	4.2	0
18/02/2023 00:40	3.1	289	13	4	0
18/02/2023 00:50	2.7	287	14	3.8	0
18/02/2023 01:00	2.9	290	15	4.1	0
18/02/2023 01:10	3.1	289	12	4.1	0
18/02/2023 01:20	2.8	276	15	4	0
18/02/2023 01:30	2.9	283	15	4	0
18/02/2023 01:40	3.3	285	14	4.8	0
18/02/2023 01:50	3.3	278	15	4.8	0
18/02/2023 02:00	3.4	274	14	4.7	0
18/02/2023 02:10	3.9	275	15	5.4	0
18/02/2023 02:20	3.8	266	14	4.9	0
18/02/2023 02:30	3.9	270	13	5.2	0
18/02/2023 02:40	4	266	10	5.5	0
18/02/2023 02:50	3.9	269	13	5	0
18/02/2023 03:00	3.7	273	13	5.2	0
18/02/2023 03:10	3.7	269	13	4.6	0
18/02/2023 03:20	3.3	263	10	4.8	0
18/02/2023 03:30	3.2	255	12	4.5	0
18/02/2023 03:40	3.4	257	12	4.7	0
18/02/2023 03:50	3.2	256	11	4.3	0
18/02/2023 04:00	3.3	261	11	4.6	0
18/02/2023 04:10	3.8	261	8	4.7	0
18/02/2023 04:20	3.7	260	8	5.1	0
18/02/2023 04:30	3.6	256	10	4.5	0
18/02/2023 04:40	2.9	260	11	4.2	0
18/02/2023 04:50	2.8	255	12	3.8	0
18/02/2023 05:00	2.5	256	11	3.4	0
18/02/2023 05:10	2.4	250	11	3.1	0
18/02/2023 05:20	2	242	12	2.7	0
18/02/2023 05:30	1	184	44	1.7	0
18/02/2023 05:40	0.3	112	9	0.9	0
18/02/2023 05:50	0	179	0	0.4	0
18/02/2023 06:00	0.2	137	7	0.8	0
18/02/2023 06:10	0.5	117	9	0.8	0
18/02/2023 06:20	0.2	217	4	0.7	0
18/02/2023 06:30	0.3	306	3	0.6	0
18/02/2023 06:40	0.8	223	16	1.5	0
18/02/2023 06:50	0.7	201	27	1.5	0
18/02/2023 07:00	0.8	128	25	1.3	0
18/02/2023 07:10	1	120	14	1.4	0
18/02/2023 07:20	0.5	217	38	1.1	0
18/02/2023 07:30	0.6	241	20	1.2	0
18/02/2023 07:40	0.7	227	17	1.3	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/02/2023 07:50	1.4	241	21	2	0
18/02/2023 08:00	2.3	244	18	3.4	0
18/02/2023 08:10	1.7	249	35	3	0
18/02/2023 08:20	1.6	246	27	2.6	0
18/02/2023 08:30	1.1	194	59	2	0
18/02/2023 08:40	0.8	167	56	1.4	0
18/02/2023 08:50	1.5	106	33	2.2	0
18/02/2023 09:00	2.5	76	15	3.6	0
18/02/2023 09:10	2.5	89	19	3.9	0
18/02/2023 09:20	1.9	87	42	3.6	0
18/02/2023 09:30	2.2	221	56	3.6	0
18/02/2023 09:40	1.4	184	64	2.6	0
18/02/2023 09:50	2	18	39	3.1	0
18/02/2023 10:00	2.2	3	32	4	0
18/02/2023 10:10	2.5	12	22	4	0
18/02/2023 10:20	3.3	12	21	5.3	0
18/02/2023 10:30	2.9	17	21	4.4	0
18/02/2023 10:40	1.8	349	48	3.5	0
18/02/2023 10:50	2.3	346	34	4.1	0
18/02/2023 11:00	2.9	185	26	4.7	0
18/02/2023 11:10	2.3	179	27	4.2	0
18/02/2023 11:20	2.1	5	29	3.3	0
18/02/2023 11:30	2.8	173	31	4.4	0
18/02/2023 11:40	3.1	184	24	5	0
18/02/2023 11:50	3.8	352	21	5.9	0
18/02/2023 12:00	3.7	354	23	5.3	0
18/02/2023 12:10	4.3	349	21	6	0
18/02/2023 12:20	3.6	176	29	5.7	0
18/02/2023 12:30	4.7	357	23	6.4	0
18/02/2023 12:40	3.9	179	23	6.2	0
18/02/2023 12:50	3.9	183	26	7.1	0
18/02/2023 13:00	3.9	179	23	6.4	0
18/02/2023 13:10	4.4	350	22	6.6	0
18/02/2023 13:20	4	4	21	6.2	0
18/02/2023 13:30	3.6	1	24	5.7	0
18/02/2023 13:40	3.6	10	26	4.9	0
18/02/2023 13:50	3.6	347	24	6.1	0
18/02/2023 14:00	4.2	354	22	6.4	0
18/02/2023 14:10	4.2	352	19	6.2	0
18/02/2023 14:20	3.9	181	22	6	0
18/02/2023 14:30	3.9	11	23	6.1	0
18/02/2023 14:40	4.6	356	24	6.4	0
18/02/2023 14:50	3.8	353	24	6.3	0
18/02/2023 15:00	4.4	5	19	6.4	0
18/02/2023 15:10	4.6	352	21	6.7	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/02/2023 15:20	4.4	182	25	6.4	0
18/02/2023 15:30	3.9	356	22	5.7	0
18/02/2023 15:40	3.9	358	22	5.7	0
18/02/2023 15:50	3.9	338	24	6.1	0
18/02/2023 16:00	4.4	354	21	7.2	0
18/02/2023 16:10	5.3	173	19	7.5	0
18/02/2023 16:20	4.7	177	21	6.9	0
18/02/2023 16:30	5	181	20	7.9	0
18/02/2023 16:40	4.7	2	20	6.5	0
18/02/2023 16:50	4.8	176	22	7.2	0
18/02/2023 17:00	4.2	1	21	6.3	0
18/02/2023 17:10	4.2	179	21	6.8	0
18/02/2023 17:20	4.2	177	24	6.3	0
18/02/2023 17:30	4.5	4	21	6.2	0
18/02/2023 17:40	4.6	355	22	7.3	0
18/02/2023 17:50	3.9	349	25	6.4	0
18/02/2023 18:00	4	330	25	6.5	0
18/02/2023 18:10	4.6	312	18	7.5	0
18/02/2023 18:20	4.3	316	18	7.3	0
18/02/2023 18:30	4.3	313	15	6.7	0
18/02/2023 18:40	3.1	322	22	4.9	0
18/02/2023 18:50	4.8	303	15	7.1	0
18/02/2023 19:00	4.6	298	11	6.1	0
18/02/2023 19:10	3.6	307	18	5.6	0
18/02/2023 19:20	2	302	51	3.4	0
18/02/2023 19:30	1.6	310	50	3.3	0
18/02/2023 19:40	1.3	324	40	2.7	0
18/02/2023 19:50	1.7	303	26	3	0
18/02/2023 20:00	1.5	159	50	2.7	0
18/02/2023 20:10	0.9	181	52	2	0
18/02/2023 20:20	2.3	124	38	4.1	0
18/02/2023 20:30	1.5	218	56	3	0
18/02/2023 20:40	1.1	250	31	2	0
18/02/2023 20:50	1.1	85	28	1.9	0
18/02/2023 21:00	1	74	27	1.9	0
18/02/2023 21:10	0.7	185	11	1.6	0
18/02/2023 21:20	1.6	290	26	2.2	0
18/02/2023 21:30	1.9	289	13	2.8	0
18/02/2023 21:40	2	292	15	2.9	0
18/02/2023 21:50	2.3	279	14	3.2	0
18/02/2023 22:00	2.9	279	18	4.1	0
18/02/2023 22:10	3	298	15	4.4	0
18/02/2023 22:20	2.8	324	22	3.8	0
18/02/2023 22:30	3.4	174	18	5	0
18/02/2023 22:40	3.3	347	19	4.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/02/2023 22:50	3.1	6	16	4.8	0
18/02/2023 23:00	2.6	327	28	4	0
18/02/2023 23:10	3.7	300	15	5.6	0
18/02/2023 23:20	4.8	297	9	6.6	0
18/02/2023 23:30	3.8	285	15	5.6	0
18/02/2023 23:40	3.6	273	14	4.8	0
18/02/2023 23:50	3.3	259	12	4.4	0
19/02/2023 00:00	2.9	261	14	3.9	0
19/02/2023 00:10	2.6	266	15	3.7	0
19/02/2023 00:20	1.7	258	19	2.6	0
19/02/2023 00:30	1.6	295	15	2.6	0
19/02/2023 00:40	3	302	12	4	0
19/02/2023 00:50	2.8	299	15	4.4	0
19/02/2023 01:00	2.7	272	16	3.7	0
19/02/2023 01:10	2.6	304	15	3.8	0
19/02/2023 01:20	2.9	291	22	4.4	0
19/02/2023 01:30	2.3	294	23	3.6	0
19/02/2023 01:40	1.9	278	25	3.3	0
19/02/2023 01:50	1.8	273	16	2.4	0
19/02/2023 02:00	1.1	274	18	1.6	0
19/02/2023 02:10	1.3	248	23	2	0
19/02/2023 02:20	0.8	259	29	1.3	0
19/02/2023 02:30	1	229	12	1.4	0
19/02/2023 02:40	0.5	229	7	1.1	0
19/02/2023 02:50	0.7	344	19	1	0
19/02/2023 03:00	0.2	92	6	0.7	0
19/02/2023 03:10	0.3	111	26	0.7	0
19/02/2023 03:20	1	145	24	1.5	0
19/02/2023 03:30	0.8	126	18	1.2	0
19/02/2023 03:40	0.5	85	29	0.8	0
19/02/2023 03:50	1.8	122	14	2.6	0
19/02/2023 04:00	2.2	111	10	3	0
19/02/2023 04:10	2.4	105	10	3.2	0
19/02/2023 04:20	2.6	103	9	3.5	0
19/02/2023 04:30	2.2	106	10	3.2	0
19/02/2023 04:40	2	101	11	2.6	0
19/02/2023 04:50	1.6	109	8	2	0
19/02/2023 05:00	1.6	114	9	2	0
19/02/2023 05:10	1.1	114	10	1.6	0
19/02/2023 05:20	1.3	96	11	1.7	0
19/02/2023 05:30	1.5	243	46	2.3	0
19/02/2023 05:40	2	291	17	2.7	0
19/02/2023 05:50	2.1	271	12	2.8	0
19/02/2023 06:00	1.6	260	10	2.2	0
19/02/2023 06:10	2	271	12	2.5	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/02/2023 06:20	1.7	280	29	2.8	0
19/02/2023 06:30	1.9	263	25	3.1	0
19/02/2023 06:40	2.5	271	19	4	0
19/02/2023 06:50	2.7	266	16	4	0
19/02/2023 07:00	2.8	273	14	3.7	0
19/02/2023 07:10	3.2	309	15	4.8	0
19/02/2023 07:20	3.6	305	13	4.9	0
19/02/2023 07:30	2.6	298	21	4.2	0
19/02/2023 07:40	3.7	307	13	5	0
19/02/2023 07:50	2.5	294	16	4.4	0
19/02/2023 08:00	2	293	41	3.3	0
19/02/2023 08:10	2.2	176	29	4	0
19/02/2023 08:20	2.7	8	26	4.7	0
19/02/2023 08:30	2	179	36	3.8	0
19/02/2023 08:40	2.3	12	23	3.2	0
19/02/2023 08:50	2.5	17	21	4.1	0
19/02/2023 09:00	2.8	16	22	3.9	0
19/02/2023 09:10	2.6	14	27	3.8	0
19/02/2023 09:20	2.4	10	26	3.8	0
19/02/2023 09:30	2.2	329	29	3.6	0
19/02/2023 09:40	2.9	168	34	4.9	0
19/02/2023 09:50	2.5	10	24	3.6	0
19/02/2023 10:00	2.6	182	30	4.7	0
19/02/2023 10:10	2.4	2	21	3.9	0
19/02/2023 10:20	2.8	180	23	4.1	0
19/02/2023 10:30	3.3	347	25	5	0
19/02/2023 10:40	2.7	161	23	4.7	0
19/02/2023 10:50	2.7	332	34	4.6	0
19/02/2023 11:00	3.5	300	22	6.1	0
19/02/2023 11:10	3.3	306	22	5.2	0
19/02/2023 11:20	2.9	301	28	4.7	0
19/02/2023 11:30	3.3	298	14	4.9	0
19/02/2023 11:40	2.9	286	27	4.5	0
19/02/2023 11:50	3.1	282	25	4.8	0
19/02/2023 12:00	2.8	288	24	4.4	0
19/02/2023 12:10	3	305	19	4.8	0
19/02/2023 12:20	2.8	289	30	4.7	0
19/02/2023 12:30	3	295	19	4.4	0
19/02/2023 12:40	3.3	297	18	5.2	0
19/02/2023 12:50	4.1	307	14	5.6	0
19/02/2023 13:00	4	299	15	5.7	0
19/02/2023 13:10	4.3	294	16	6.2	0
19/02/2023 13:20	4	303	16	5.6	0
19/02/2023 13:30	4.1	300	16	5.6	0
19/02/2023 13:40	4.6	299	15	6.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/02/2023 13:50	5	297	15	6.7	0
19/02/2023 14:00	5.3	298	10	6.6	0
19/02/2023 14:10	5.4	303	11	7.4	0
19/02/2023 14:20	5.8	298	12	7.5	0
19/02/2023 14:30	5.7	301	12	7.5	0
19/02/2023 14:40	6	295	13	8	0
19/02/2023 14:50	5.9	294	12	7.3	0
19/02/2023 15:00	6.2	295	10	7.9	0
19/02/2023 15:10	5.6	295	13	7.2	0
19/02/2023 15:20	5.8	287	15	7.9	0
19/02/2023 15:30	5.9	294	15	8.2	0
19/02/2023 15:40	5.9	294	12	7.8	0
19/02/2023 15:50	5.9	296	14	7.6	0
19/02/2023 16:00	5.9	296	12	7.7	0
19/02/2023 16:10	5.9	296	11	7.4	0
19/02/2023 16:20	5.7	292	13	7.5	0
19/02/2023 16:30	6	294	13	7.9	0
19/02/2023 16:40	6.9	299	10	8.9	0
19/02/2023 16:50	6.6	299	11	8.6	0
19/02/2023 17:00	6.2	294	15	8.5	0
19/02/2023 17:10	6.1	291	13	8.4	0
19/02/2023 17:20	5.9	294	14	7.5	0
19/02/2023 17:30	5.6	291	15	7.6	0
19/02/2023 17:40	5.4	293	12	7.1	0
19/02/2023 17:50	5.6	293	14	7.6	0
19/02/2023 18:00	5	288	15	6.8	0
19/02/2023 18:10	5.2	287	14	6.9	0
19/02/2023 18:20	5.3	291	14	7.8	0
19/02/2023 18:30	6	291	12	7.6	0
19/02/2023 18:40	5.5	288	13	7.5	0
19/02/2023 18:50	5.4	291	13	7.2	0
19/02/2023 19:00	5.7	289	13	7.2	0
19/02/2023 19:10	4.8	281	11	6.8	0
19/02/2023 19:20	4.7	277	17	7	0
19/02/2023 19:30	4.9	265	13	6.9	0
19/02/2023 19:40	5.3	252	17	7.5	0
19/02/2023 19:50	5.8	249	13	7.9	0
19/02/2023 20:00	5.6	254	14	7.9	0
19/02/2023 20:10	5.4	251	12	7.3	0
19/02/2023 20:20	4.9	255	12	6.7	0
19/02/2023 20:30	5.4	262	9	6.9	0
19/02/2023 20:40	5.3	260	10	6.8	0
19/02/2023 20:50	5	261	9	6.4	0
19/02/2023 21:00	4.9	264	10	7	0
19/02/2023 21:10	4.9	260	11	6.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/02/2023 21:20	4.7	257	12	7	0
19/02/2023 21:30	4.7	258	9	6.6	0
19/02/2023 21:40	4.3	263	10	5.7	0
19/02/2023 21:50	3.6	257	13	4.8	0
19/02/2023 22:00	2.9	156	35	4.1	0
19/02/2023 22:10	2.9	124	14	4.1	0
19/02/2023 22:20	3.5	131	15	5.9	0
19/02/2023 22:30	3.2	120	15	5.3	0
19/02/2023 22:40	3.7	95	11	5.6	0
19/02/2023 22:50	3.4	79	12	4.8	0
19/02/2023 23:00	2.1	61	11	2.8	0
19/02/2023 23:10	1.4	44	12	1.8	0
19/02/2023 23:20	0.1	59	13	0.6	0
19/02/2023 23:30	1.2	315	13	1.7	0
19/02/2023 23:40	1.2	248	28	2	0
19/02/2023 23:50	1.5	251	13	2	0
20/02/2023 00:00	2.6	266	9	3.2	0
20/02/2023 00:10	3	263	11	4	0
20/02/2023 00:20	3.1	272	12	4	0
20/02/2023 00:30	2.7	285	17	4.5	0
20/02/2023 00:40	2.6	283	15	3.5	0
20/02/2023 00:50	2.6	269	13	3.5	0
20/02/2023 01:00	2.8	264	11	3.6	0
20/02/2023 01:10	3	251	14	4.4	0
20/02/2023 01:20	3.6	260	11	4.7	0
20/02/2023 01:30	2.9	257	9	4	0
20/02/2023 01:40	2.5	276	11	3.4	0
20/02/2023 01:50	2.7	295	13	4	0
20/02/2023 02:00	3.6	275	15	5	0
20/02/2023 02:10	3.6	278	14	4.8	0
20/02/2023 02:20	4	269	12	5.6	0
20/02/2023 02:30	3.9	269	12	5.6	0
20/02/2023 02:40	3.8	270	15	5.2	0
20/02/2023 02:50	3.2	269	14	4.4	0
20/02/2023 03:00	2.8	275	16	3.9	0
20/02/2023 03:10	3.2	268	13	4.4	0
20/02/2023 03:20	3.2	270	13	4.4	0
20/02/2023 03:30	3.6	270	13	4.8	0
20/02/2023 03:40	2.9	269	12	3.9	0
20/02/2023 03:50	2.3	282	14	3.4	0
20/02/2023 04:00	2.5	266	10	3.4	0
20/02/2023 04:10	2.7	266	12	3.6	0
20/02/2023 04:20	3.2	257	10	4.2	0
20/02/2023 04:30	3.7	256	11	4.8	0
20/02/2023 04:40	3.7	254	11	5.1	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/02/2023 04:50	3.1	249	12	4.2	0
20/02/2023 05:00	3.5	253	11	4.4	0
20/02/2023 05:10	3.2	256	11	4.4	0
20/02/2023 05:20	2.8	245	13	4.5	0
20/02/2023 05:30	3	249	12	4.6	0
20/02/2023 05:40	3	251	14	4	0
20/02/2023 05:50	3.6	248	10	4.9	0
20/02/2023 06:00	3.8	249	12	4.8	0
20/02/2023 06:10	3.2	251	12	4.7	0
20/02/2023 06:20	3.3	249	11	4.4	0
20/02/2023 06:30	3.7	251	12	4.8	0
20/02/2023 06:40	3.3	249	13	4.5	0
20/02/2023 06:50	3.8	250	11	5.5	0
20/02/2023 07:00	3.8	247	12	5	0
20/02/2023 07:10	3.9	250	14	5.3	0
20/02/2023 07:20	3.8	255	11	5	0
20/02/2023 07:30	3.9	245	13	5.4	0
20/02/2023 07:40	4.3	245	10	5.6	0
20/02/2023 07:50	4.1	246	13	5.6	0
20/02/2023 08:00	3.4	250	15	4.8	0
20/02/2023 08:10	3.9	256	12	5.2	0
20/02/2023 08:20	3.8	262	11	5	0
20/02/2023 08:30	3.6	256	10	4.7	0
20/02/2023 08:40	3.5	255	12	4.6	0
20/02/2023 08:50	3.1	245	14	4.3	0
20/02/2023 09:00	3.3	230	18	5.2	0
20/02/2023 09:10	3.7	238	16	5	0
20/02/2023 09:20	3.5	252	14	5	0
20/02/2023 09:30	3.5	255	15	4.9	0
20/02/2023 09:40	3.5	253	16	5	0
20/02/2023 09:50	3.2	251	17	4.3	0
20/02/2023 10:00	2.9	256	16	4.4	0
20/02/2023 10:10	3.1	272	18	4	0
20/02/2023 10:20	3.3	264	12	4.6	0
20/02/2023 10:30	3.8	263	12	5.2	0
20/02/2023 10:40	4	263	11	5.2	0
20/02/2023 10:50	4.1	280	14	5.4	0
20/02/2023 11:00	4.3	280	14	5.5	0
20/02/2023 11:10	3.9	276	20	5.5	0
20/02/2023 11:20	3.8	295	15	5.1	0
20/02/2023 11:30	4	306	19	5.6	0
20/02/2023 11:40	4.3	299	16	5.6	0
20/02/2023 11:50	4.2	303	12	6	0
20/02/2023 12:00	3.9	301	13	5.6	0
20/02/2023 12:10	3.6	303	17	5.5	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/02/2023 12:20	3.1	309	18	4.4	0
20/02/2023 12:30	3.3	300	15	4.5	0
20/02/2023 12:40	4	302	13	5.5	0
20/02/2023 12:50	3.9	295	14	5	0
20/02/2023 13:00	3.4	295	19	4.9	0
20/02/2023 13:10	3.3	297	17	4.4	0
20/02/2023 13:20	3.7	292	16	5.1	0
20/02/2023 13:30	4.3	298	16	6	0
20/02/2023 13:40	3.5	315	22	5.2	0
20/02/2023 13:50	3.2	346	20	4.4	0
20/02/2023 14:00	3.7	351	19	5.2	0
20/02/2023 14:10	3.5	185	21	5.1	0
20/02/2023 14:20	4.5	178	19	6.7	0
20/02/2023 14:30	5.3	342	18	7.5	0
20/02/2023 14:40	5.1	349	18	7	0
20/02/2023 14:50	4	356	18	6.1	0
20/02/2023 15:00	4.1	346	25	6.4	0
20/02/2023 15:10	4.1	344	22	6.2	0
20/02/2023 15:20	4	320	25	7.4	0
20/02/2023 15:30	5.6	303	14	8	0
20/02/2023 15:40	5.9	301	11	8	0
20/02/2023 15:50	5.8	301	11	7.2	0
20/02/2023 16:00	6	301	12	7.9	0
20/02/2023 16:10	5.8	295	13	7.7	0
20/02/2023 16:20	6.1	292	11	7.3	0
20/02/2023 16:30	6.1	295	11	7.8	0
20/02/2023 16:40	5.7	291	14	7.9	0
20/02/2023 16:50	5.8	290	14	7.2	0
20/02/2023 17:00	5.5	295	11	7.1	0
20/02/2023 17:10	5.5	288	14	7.5	0
20/02/2023 17:20	5.3	298	13	7	0
20/02/2023 17:30	5.2	294	15	6.8	0
20/02/2023 17:40	5.6	291	11	7.4	0
20/02/2023 17:50	5.1	295	12	6.7	0
20/02/2023 18:00	4.8	296	12	6.3	0
20/02/2023 18:10	4.9	298	12	6.4	0
20/02/2023 18:20	4.9	300	11	6	0
20/02/2023 18:30	5.1	297	10	6.4	0
20/02/2023 18:40	5.1	298	10	6.4	0
20/02/2023 18:50	4.9	299	10	6.2	0
20/02/2023 19:00	4.7	299	11	6.3	0
20/02/2023 19:10	4.8	296	12	6	0
20/02/2023 19:20	4.2	291	12	5.8	0
20/02/2023 19:30	4.7	294	10	6.3	0
20/02/2023 19:40	4.2	290	16	5.9	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/02/2023 19:50	3.9	288	15	6	0
20/02/2023 20:00	3.3	288	17	5	0
20/02/2023 20:10	2.4	301	24	3.3	0
20/02/2023 20:20	2.2	299	19	3.2	0
20/02/2023 20:30	3.1	71	18	4.5	0
20/02/2023 20:40	3.5	77	17	5.2	0
20/02/2023 20:50	2.6	61	13	3.6	0
20/02/2023 21:00	2.3	61	11	3.3	0
20/02/2023 21:10	1.2	76	19	1.8	0
20/02/2023 21:20	2.3	95	10	3.6	0
20/02/2023 21:30	3.2	109	9	3.9	0
20/02/2023 21:40	3.3	100	11	4.9	0
20/02/2023 21:50	4.1	79	12	6	0
20/02/2023 22:00	3.9	61	12	6	0
20/02/2023 22:10	2.5	66	14	4	0
20/02/2023 22:20	2.9	50	13	4.3	0
20/02/2023 22:30	2.7	199	17	4	0
20/02/2023 22:40	2.4	44	24	3.5	0
20/02/2023 22:50	2	80	14	3.2	0
20/02/2023 23:00	2.3	88	21	3.5	0
20/02/2023 23:10	1.9	114	16	2.6	0
20/02/2023 23:20	2.3	116	13	3.9	0
20/02/2023 23:30	3	105	11	4.2	0
20/02/2023 23:40	2.6	108	11	3.5	0
20/02/2023 23:50	2.1	116	12	2.8	0
21/02/2023 00:00	2.6	98	16	3.6	0
21/02/2023 00:10	2.7	94	11	3.7	0
21/02/2023 00:20	3.2	90	13	5	0
21/02/2023 00:30	3.4	76	11	4.6	0
21/02/2023 00:40	3.3	76	9	4.3	0
21/02/2023 00:50	3.5	83	8	4.4	0
21/02/2023 01:00	3.3	79	10	4.3	0
21/02/2023 01:10	3.5	75	10	4.7	0
21/02/2023 01:20	3.5	75	9	4.7	0
21/02/2023 01:30	3.7	80	9	4.8	0
21/02/2023 01:40	3.7	75	8	4.8	0
21/02/2023 01:50	2.9	72	12	4.1	0
21/02/2023 02:00	0.9	146	28	1.6	0
21/02/2023 02:10	2.4	262	15	3.5	0
21/02/2023 02:20	3.3	261	9	4.4	0
21/02/2023 02:30	2.7	193	38	3.9	0
21/02/2023 02:40	2.1	105	10	3.2	0
21/02/2023 02:50	2.3	92	12	3.3	0
21/02/2023 03:00	2.4	118	13	3.3	0
21/02/2023 03:10	1.8	107	16	2.4	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/02/2023 03:20	2.4	89	10	3.4	0
21/02/2023 03:30	4	73	9	5.2	0
21/02/2023 03:40	4.5	73	9	6.4	0
21/02/2023 03:50	3.6	69	12	5.2	0
21/02/2023 04:00	2.9	74	11	4.1	0
21/02/2023 04:10	2.1	74	13	3.2	0
21/02/2023 04:20	3.2	80	9	4.4	0
21/02/2023 04:30	3.7	86	11	5.4	0
21/02/2023 04:40	3.8	63	15	4.8	0
21/02/2023 04:50	3.6	77	16	5.2	0
21/02/2023 05:00	2.1	43	23	3.4	0.1
21/02/2023 05:10	2	91	25	2.9	0
21/02/2023 05:20	2.3	90	19	4	0
21/02/2023 05:30	2.1	79	14	3.4	0
21/02/2023 05:40	2.7	73	13	4.6	0
21/02/2023 05:50	2.6	72	11	4.1	0
21/02/2023 06:00	3.1	73	10	3.9	0
21/02/2023 06:10	2.9	72	9	4.2	0
21/02/2023 06:20	3.3	82	11	4.5	0
21/02/2023 06:30	3.1	80	11	4.7	0
21/02/2023 06:40	3.5	70	10	4.8	0
21/02/2023 06:50	3.7	74	11	5.2	0.1
21/02/2023 07:00	3.7	72	10	5.4	0
21/02/2023 07:10	4.1	73	9	5.1	0
21/02/2023 07:20	3.4	73	12	4.8	0
21/02/2023 07:30	3.9	84	13	5.7	0
21/02/2023 07:40	4.1	79	11	5.9	0
21/02/2023 07:50	4.4	75	11	6	0
21/02/2023 08:00	4	81	12	5.9	0
21/02/2023 08:10	4.2	81	13	5.6	0
21/02/2023 08:20	4.6	76	12	5.9	0
21/02/2023 08:30	4.6	78	14	6.3	0
21/02/2023 08:40	4.7	75	11	5.8	0
21/02/2023 08:50	3.8	82	17	5.2	0
21/02/2023 09:00	4.2	70	13	6.2	0
21/02/2023 09:10	4.4	70	11	6.4	0
21/02/2023 09:20	4.2	62	14	6	0
21/02/2023 09:30	5.1	72	12	6.8	0
21/02/2023 09:40	5.1	67	14	6.8	0
21/02/2023 09:50	5.4	76	14	7.3	0
21/02/2023 10:00	5.8	72	13	7.9	0
21/02/2023 10:10	5.6	78	13	7.6	0
21/02/2023 10:20	5.1	78	14	7.1	0
21/02/2023 10:30	5.8	79	15	7.7	0
21/02/2023 10:40	5.4	82	14	7.4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/02/2023 10:50	6.4	75	12	8.1	0
21/02/2023 11:00	5.8	69	13	7.8	0
21/02/2023 11:10	6	76	13	8.3	0
21/02/2023 11:20	6.7	86	14	9.3	0
21/02/2023 11:30	6.8	78	13	9.6	0
21/02/2023 11:40	7	80	12	9.5	0
21/02/2023 11:50	6.7	85	12	8.9	0
21/02/2023 12:00	6.2	82	13	8.6	0
21/02/2023 12:10	6.1	73	16	8.2	0
21/02/2023 12:20	5.6	64	15	8.3	0
21/02/2023 12:30	5.7	69	18	7.9	0
21/02/2023 12:40	6.1	63	12	8.6	0
21/02/2023 12:50	6.1	66	14	7.8	0
21/02/2023 13:00	5.6	59	12	8.2	0
21/02/2023 13:10	5.8	61	14	8	0
21/02/2023 13:20	5.6	53	13	7.4	0
21/02/2023 13:30	4.9	55	19	6.7	0
21/02/2023 13:40	4.8	78	15	6.4	0
21/02/2023 13:50	4.1	73	21	5.8	0
21/02/2023 14:00	3.4	33	28	5.3	0
21/02/2023 14:10	3.9	30	20	6.1	0
21/02/2023 14:20	3.8	8	29	6.6	0
21/02/2023 14:30	3.6	1	26	6	0
21/02/2023 14:40	4.6	347	27	6.6	0
21/02/2023 14:50	4.2	7	23	6.8	0
21/02/2023 15:00	4.5	188	25	6.5	0
21/02/2023 15:10	4.4	186	18	7.6	0
21/02/2023 15:20	5.6	350	18	8.3	0
21/02/2023 15:30	4.8	354	28	7	0
21/02/2023 15:40	4.8	181	18	7.2	0
21/02/2023 15:50	4.9	354	20	7.2	0
21/02/2023 16:00	5.2	356	17	7.5	0
21/02/2023 16:10	5	353	19	7.6	0
21/02/2023 16:20	5.1	178	22	6.8	0
21/02/2023 16:30	5.5	349	17	7.9	0
21/02/2023 16:40	5.4	352	21	7.9	0
21/02/2023 16:50	5.5	177	18	8.1	0
21/02/2023 17:00	5.2	187	21	7.8	0
21/02/2023 17:10	4.9	6	22	7.3	0
21/02/2023 17:20	4.9	3	21	7.3	0
21/02/2023 17:30	4.6	19	19	6.8	0
21/02/2023 17:40	4.2	13	18	6.5	0
21/02/2023 17:50	4.3	179	21	6.6	0
21/02/2023 18:00	4.4	11	19	6.4	0
21/02/2023 18:10	4.5	178	22	7.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/02/2023 18:20	4	184	20	6.5	0
21/02/2023 18:30	4.5	7	20	6.9	0
21/02/2023 18:40	4.4	5	23	7	0
21/02/2023 18:50	4.4	11	18	6.8	0
21/02/2023 19:00	4.3	179	18	6	0
21/02/2023 19:10	4.3	9	20	6.7	0
21/02/2023 19:20	3.9	187	18	5.9	0
21/02/2023 19:30	3.4	8	21	5.2	0
21/02/2023 19:40	3.7	7	19	5.9	0
21/02/2023 19:50	3.5	11	22	5.6	0
21/02/2023 20:00	3.9	184	18	5.6	0
21/02/2023 20:10	3.7	182	19	5.5	0
21/02/2023 20:20	3.6	11	17	5.6	0
21/02/2023 20:30	3.3	8	22	4.8	0
21/02/2023 20:40	2.9	343	23	4.4	0
21/02/2023 20:50	1.8	346	40	4	0
21/02/2023 21:00	3.1	294	20	4.6	0
21/02/2023 21:10	2.8	295	18	3.9	0
21/02/2023 21:20	3.1	280	18	5.2	0
21/02/2023 21:30	3.5	289	14	4.8	0
21/02/2023 21:40	3.5	280	14	4.7	0
21/02/2023 21:50	3.4	282	14	4.8	0
21/02/2023 22:00	3.9	275	16	5.4	0
21/02/2023 22:10	3.7	282	14	5.6	0
21/02/2023 22:20	4.4	262	10	5.7	0
21/02/2023 22:30	3.5	273	14	4.8	0
21/02/2023 22:40	3.9	278	14	5.1	0
21/02/2023 22:50	4.5	188	37	8.2	0.3
21/02/2023 23:00	5	107	16	7.9	0
21/02/2023 23:10	6.6	112	15	9.9	1.4
21/02/2023 23:20	7.9	108	10	10.7	1.6
21/02/2023 23:30	5.4	111	14	7.4	1.9
21/02/2023 23:40	3.9	125	16	5.7	1.3
21/02/2023 23:50	1.7	187	49	3.2	0.5
22/02/2023 00:00	2.5	316	22	3.8	0.2
22/02/2023 00:10	0.6	176	39	2	0.2
22/02/2023 00:20	1.2	70	15	1.9	0.3
22/02/2023 00:30	0.5	140	22	1.4	0.3
22/02/2023 00:40	1.3	199	67	2.4	0.3
22/02/2023 00:50	0.3	223	12	1.2	0.2
22/02/2023 01:00	1.7	46	28	2.8	0.3
22/02/2023 01:10	0.8	131	13	1.3	0.2
22/02/2023 01:20	0.6	126	16	1.3	0.3
22/02/2023 01:30	1.4	115	18	1.8	0.2
22/02/2023 01:40	1.3	143	38	1.7	0.1



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/02/2023 01:50	1.4	217	44	2.2	0.1
22/02/2023 02:00	2.8	227	12	3.7	0
22/02/2023 02:10	3	235	10	4.5	0
22/02/2023 02:20	2.2	235	16	3.3	0.1
22/02/2023 02:30	0.9	228	16	1.6	0.1
22/02/2023 02:40	0.5	222	20	1.1	0.2
22/02/2023 02:50	0.3	129	11	0.9	0
22/02/2023 03:00	0.6	97	11	1.2	0
22/02/2023 03:10	1.1	44	15	1.5	0.1
22/02/2023 03:20	1	93	18	1.6	0.3
22/02/2023 03:30	1.9	116	12	2.4	0
22/02/2023 03:40	2.4	100	11	3.2	0
22/02/2023 03:50	2.4	111	9	3.3	0
22/02/2023 04:00	2.1	123	13	3.2	0
22/02/2023 04:10	1.1	119	12	1.6	0
22/02/2023 04:20	1.3	109	9	1.7	0
22/02/2023 04:30	1.4	117	17	2.1	0
22/02/2023 04:40	0.7	154	21	1.7	0
22/02/2023 04:50	1.3	143	19	1.9	0
22/02/2023 05:00	1.5	140	16	2.2	0
22/02/2023 05:10	1.8	128	15	2.8	0
22/02/2023 05:20	1.6	125	14	2.5	0
22/02/2023 05:30	1.3	130	13	2	0
22/02/2023 05:40	0.8	142	17	1.6	0
22/02/2023 05:50	0.7	193	20	1.4	0
22/02/2023 06:00	0.6	226	54	1.3	0
22/02/2023 06:10	0.7	185	44	1.6	0
22/02/2023 06:20	1.7	146	14	2.3	0
22/02/2023 06:30	1.5	139	14	2	0
22/02/2023 06:40	1.2	132	13	1.7	0
22/02/2023 06:50	1.7	125	14	2.7	0
22/02/2023 07:00	2	133	13	2.7	0
22/02/2023 07:10	2.4	130	13	3.2	0
22/02/2023 07:20	1.8	128	17	2.8	0
22/02/2023 07:30	2.3	134	15	3.2	0
22/02/2023 07:40	2.7	128	16	4.1	0
22/02/2023 07:50	3.1	124	16	4.3	0
22/02/2023 08:00	2.9	119	13	4.1	0
22/02/2023 08:10	2.3	125	17	3.2	0
22/02/2023 08:20	2.8	108	14	4.4	0
22/02/2023 08:30	2.8	108	15	4	0
22/02/2023 08:40	3.1	102	11	4.6	0
22/02/2023 08:50	3.7	107	15	4.6	0
22/02/2023 09:00	3.7	110	14	4.8	0
22/02/2023 09:10	3.9	109	13	5.3	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/02/2023 09:20	3.6	110	13	4.9	0
22/02/2023 09:30	3.5	96	14	4.8	0
22/02/2023 09:40	3.9	98	15	5	0
22/02/2023 09:50	3.6	109	14	5	0
22/02/2023 10:00	4.4	96	17	6	0
22/02/2023 10:10	4.7	92	13	6.7	0
22/02/2023 10:20	5.2	102	10	7	0
22/02/2023 10:30	5.3	94	17	7.2	0
22/02/2023 10:40	6	89	13	7.9	0
22/02/2023 10:50	6	87	13	8.6	0
22/02/2023 11:00	6	85	14	8	0
22/02/2023 11:10	6.1	83	12	8.3	0
22/02/2023 11:20	5.7	89	13	7.6	0
22/02/2023 11:30	5.9	85	14	7.7	0
22/02/2023 11:40	5.6	83	12	7.5	0
22/02/2023 11:50	5.8	90	12	8.5	0
22/02/2023 12:00	5.7	92	13	8.3	0
22/02/2023 12:10	6.2	79	16	8.1	0
22/02/2023 12:20	5.8	74	12	8.7	0
22/02/2023 12:30	6	69	13	7.8	0
22/02/2023 12:40	5.7	74	13	8.7	0
22/02/2023 12:50	5.2	72	15	7.7	0
22/02/2023 13:00	4.6	76	13	6.6	0
22/02/2023 13:10	5.1	81	14	6.8	0
22/02/2023 13:20	4.4	79	17	6.2	0
22/02/2023 13:30	4.4	65	14	6.5	0
22/02/2023 13:40	4.3	75	16	7	0
22/02/2023 13:50	4.4	72	15	6	0
22/02/2023 14:00	4.1	72	16	5.8	0
22/02/2023 14:10	4.3	66	14	5.4	0
22/02/2023 14:20	4.1	69	15	5.6	0
22/02/2023 14:30	4.7	56	16	6.2	0
22/02/2023 14:40	4	54	13	5.6	0
22/02/2023 14:50	4.6	70	15	6.4	0
22/02/2023 15:00	4.6	66	12	6.4	0
22/02/2023 15:10	4.8	57	12	6.9	0
22/02/2023 15:20	4.7	65	13	6.1	0
22/02/2023 15:30	4.6	68	14	6.1	0
22/02/2023 15:40	5.4	74	12	7	0
22/02/2023 15:50	4.8	68	10	7	0
22/02/2023 16:00	5	70	13	7.2	0
22/02/2023 16:10	5	76	15	7	0
22/02/2023 16:20	4.6	77	16	6.9	0
22/02/2023 16:30	4	77	15	5.4	0
22/02/2023 16:40	4.4	76	16	5.9	0



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/02/2023 16:50	4.4	70	15	5.7	0
22/02/2023 17:00	4.7	70	14	6.9	0
22/02/2023 17:10	4.2	65	15	6	0
22/02/2023 17:20	4.2	65	14	6.1	0
22/02/2023 17:30	4	58	14	5.5	0
22/02/2023 17:40	3.9	62	13	5.8	0
22/02/2023 17:50	4	71	13	5.9	0
22/02/2023 18:00	3.9	61	13	6	0
22/02/2023 18:10	4.1	62	12	5.6	0
22/02/2023 18:20	4.2	66	10	5.6	0
22/02/2023 18:30	3.7	72	10	5.2	0
22/02/2023 18:40	3.4	76	12	4.5	0
22/02/2023 18:50	3	73	11	4.6	0
22/02/2023 19:00	3.2	82	14	4.4	0
22/02/2023 19:10	2.7	79	12	3.9	0
22/02/2023 19:20	2.8	77	9	3.8	0
22/02/2023 19:30	2.6	83	10	3.7	0
22/02/2023 19:40	2.4	87	11	3.4	0
22/02/2023 19:50	2.4	67	14	3.1	0
22/02/2023 20:00	2.2	63	11	3	0
22/02/2023 20:10	2.1	76	16	3.1	0
22/02/2023 20:20	1.8	82	14	2.8	0
22/02/2023 20:30	1.9	70	13	2.7	0
22/02/2023 20:40	2.2	75	12	3.2	0
22/02/2023 20:50	1.8	75	12	2.8	0
22/02/2023 21:00	1.6	82	11	2.3	0
22/02/2023 21:10	1	72	13	1.6	0
22/02/2023 21:20	2.1	76	10	2.9	0
22/02/2023 21:30	2.3	66	10	3.1	0
22/02/2023 21:40	1.9	64	12	2.6	0
22/02/2023 21:50	1.8	61	13	2.4	0
22/02/2023 22:00	1.5	56	14	2.3	0
22/02/2023 22:10	1.6	69	8	2.2	0
22/02/2023 22:20	1.4	75	8	2	0
22/02/2023 22:30	1.8	71	9	2.4	0
22/02/2023 22:40	1.6	77	10	2.4	0
22/02/2023 22:50	1.6	72	10	2.2	0
22/02/2023 23:00	1.6	65	10	2.4	0
22/02/2023 23:10	1	51	11	1.9	0
22/02/2023 23:20	1.7	55	12	2.4	0
22/02/2023 23:30	0.6	50	7	1.2	0
22/02/2023 23:40	0.4	234	17	3	0
22/02/2023 23:50	1.5	231	16	2.4	0
23/02/2023 00:00	0	231	1	0.4	0
23/02/2023 00:10					0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/02/2023 00:20	0.4	81	40	2.3	0.3
23/02/2023 00:30	1	332	85	2.6	1.3
23/02/2023 00:40	1.5	193	69	3.4	0.7
23/02/2023 00:50	4.7	121	20	7.7	1.8
23/02/2023 01:00	4.4	87	20	6.9	2.6
23/02/2023 01:10	4.2	101	11	6.8	1.8
23/02/2023 01:20	4.1	122	17	6.5	2
23/02/2023 01:30	2.9	137	26	5.1	1
23/02/2023 01:40	3.4	120	19	5	1.2
23/02/2023 01:50	3.2	140	15	4.8	1
23/02/2023 02:00	1.4	242	45	2.5	0.4
23/02/2023 02:10	1.1	54	29	1.7	0.2
23/02/2023 02:20	1	22	11	1.5	0
23/02/2023 02:30	0.6	27	14	1.1	0
23/02/2023 02:40	1	47	10	1.4	0
23/02/2023 02:50	0.7	132	11	1.7	0
23/02/2023 03:00	1.7	136	23	2.9	0
23/02/2023 03:10	3.9	138	23	6	0
23/02/2023 03:20	4.1	120	15	5.7	0
23/02/2023 03:30	4.2	125	15	6.2	0
23/02/2023 03:40	3.8	130	17	5.6	0
23/02/2023 03:50	2.7	130	18	3.7	0
23/02/2023 04:00	2.8	134	13	3.9	0
23/02/2023 04:10	2.9	129	16	4	0
23/02/2023 04:20	1.6	89	70	2.9	0.1
23/02/2023 04:30	1.1	91	55	2.4	0.1
23/02/2023 04:40	2.2	123	15	3.2	0.1
23/02/2023 04:50	2.9	130	14	4.4	0
23/02/2023 05:00	2.4	129	16	3.6	0
23/02/2023 05:10	2.3	134	14	3.4	0
23/02/2023 05:20	2.1	122	15	3.2	0
23/02/2023 05:30	1.6	137	16	2.4	0
23/02/2023 05:40	3	122	13	4	0.1
23/02/2023 05:50	3.5	128	14	4.9	0
23/02/2023 06:00	3.2	131	16	4.6	0
23/02/2023 06:10	2.5	143	17	3.7	0
23/02/2023 06:20	2.3	139	43	3.8	0
23/02/2023 06:30	2	143	47	3.6	0
23/02/2023 06:40	1.6	136	64	3.2	0
23/02/2023 06:50	1.6	149	65	2.7	0
23/02/2023 07:00	1.6	144	52	2.4	0
23/02/2023 07:10	1.7	137	53	3.1	0
23/02/2023 07:20	2.2	140	44	3.6	0
23/02/2023 07:30	2.8	143	17	4.1	0
23/02/2023 07:40	1.9	146	28	3	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/02/2023 07:50	0.9	159	59	2	0
23/02/2023 08:00	0.5	240	82	1.7	0
23/02/2023 08:10	0.7	51	76	1.9	0
23/02/2023 08:20	1.7	158	65	3.5	0
23/02/2023 08:30	1.8	152	70	3.2	0
23/02/2023 08:40	2.5	146	29	4	0
23/02/2023 08:50	1.9	131	59	3.5	0
23/02/2023 09:00	1.5	120	78	2.6	0
23/02/2023 09:10	1.9	249	72	3.1	0
23/02/2023 09:20	1.5	121	91	2.9	0
23/02/2023 09:30	1.6	196	62	3.1	0
23/02/2023 09:40	1.9	145	36	3.1	0
23/02/2023 09:50	2.1	130	54	3.2	0
23/02/2023 10:00	2.7	134	20	3.8	0
23/02/2023 10:10	3.2	131	16	4.8	0
23/02/2023 10:20	3.5	132	15	4.8	0
23/02/2023 10:30	3.1	129	20	4.6	0
23/02/2023 10:40	3.1	127	21	4.9	0
23/02/2023 10:50	3.4	113	16	5.1	0
23/02/2023 11:00	3.2	114	17	4.7	0
23/02/2023 11:10	3.3	113	16	4.7	0
23/02/2023 11:20	3.5	102	18	5	0
23/02/2023 11:30	3.8	94	16	4.8	0
23/02/2023 11:40	4	78	14	5.7	0
23/02/2023 11:50	4.6	81	14	6	0
23/02/2023 12:00	4.7	75	11	6.8	0
23/02/2023 12:10	4.6	76	12	6.1	0
23/02/2023 12:20	5	79	14	6.8	0
23/02/2023 12:30	5.3	79	12	6.9	0
23/02/2023 12:40	5.6	70	11	8.1	0
23/02/2023 12:50	5.9	68	12	8.2	0
23/02/2023 13:00	6	71	13	7.9	0
23/02/2023 13:10	5.9	73	13	8	0
23/02/2023 13:20	5.6	81	14	7.9	0
23/02/2023 13:30	5.5	72	12	7.4	0
23/02/2023 13:40	5.5	72	12	7.9	0
23/02/2023 13:50	5.5	71	14	7.8	0
23/02/2023 14:00	4.9	68	12	6.8	0
23/02/2023 14:10	4.8	77	13	7.3	0
23/02/2023 14:20	5.5	71	13	7.3	0
23/02/2023 14:30	5.2	76	13	7.3	0
23/02/2023 14:40	5.9	74	13	8.3	0
23/02/2023 14:50	5.5	71	16	7.5	0
23/02/2023 15:00	5.7	66	13	7.8	0
23/02/2023 15:10	5.5	66	16	8.1	0.1





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/02/2023 15:20	6	60	12	8.6	0
23/02/2023 15:30	6.2	72	10	8.5	0
23/02/2023 15:40	6.2	62	15	8.3	0
23/02/2023 15:50	6.1	62	11	8.2	0
23/02/2023 16:00	5.7	59	11	7.6	0
23/02/2023 16:10	5.8	61	13	8	0
23/02/2023 16:20	5.8	70	12	7.9	0
23/02/2023 16:30	5.6	70	11	7.4	0
23/02/2023 16:40	5.1	52	13	6.6	0
23/02/2023 16:50	5.5	57	13	7.9	0
23/02/2023 17:00	5.5	54	12	6.8	0
23/02/2023 17:10	4.8	53	15	6.1	0
23/02/2023 17:20	4.6	53	15	6.1	0
23/02/2023 17:30	4.4	52	14	6.1	0
23/02/2023 17:40	4.5	51	12	5.8	0
23/02/2023 17:50	4.4	52	11	6.4	0
23/02/2023 18:00	4.5	50	13	5.8	0
23/02/2023 18:10	4.1	43	13	5.2	0
23/02/2023 18:20	4.1	38	12	5.8	0
23/02/2023 18:30	4.1	43	12	5.6	0
23/02/2023 18:40	3.9	49	11	5.2	0
23/02/2023 18:50	3.4	52	11	4.8	0
23/02/2023 19:00	3.6	51	12	4.9	0
23/02/2023 19:10	3.4	47	11	4.7	0
23/02/2023 19:20	2.5	37	13	3.7	0
23/02/2023 19:30	2.8	43	13	3.8	0
23/02/2023 19:40	2.9	46	13	4	0
23/02/2023 19:50	3	41	13	4	0
23/02/2023 20:00	2.9	37	11	3.9	0
23/02/2023 20:10	2.7	32	15	3.6	0
23/02/2023 20:20	2.3	20	18	3.4	0
23/02/2023 20:30	1.9	31	17	2.9	0
23/02/2023 20:40	2.2	33	15	3.2	0
23/02/2023 20:50	2.4	47	12	3.6	0
23/02/2023 21:00	2.4	43	12	3.2	0
23/02/2023 21:10	2.2	21	17	3.2	0
23/02/2023 21:20	1.6	32	23	2.8	0
23/02/2023 21:30	2.2	34	17	3.3	0
23/02/2023 21:40	2.3	52	14	3.3	0
23/02/2023 21:50	2.2	46	15	3.2	0
23/02/2023 22:00	1.7	33	17	2.6	0
23/02/2023 22:10	1.5	55	21	2.5	0
23/02/2023 22:20	1.8	44	19	3.2	0
23/02/2023 22:30	1	56	23	1.9	0
23/02/2023 22:40	1.6	83	12	2.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/02/2023 22:50	1.2	73	16	1.8	0
23/02/2023 23:00	1	55	13	1.9	0
23/02/2023 23:10	1.9	91	13	2.5	0
23/02/2023 23:20	1.3	110	11	2	0
23/02/2023 23:30	1.1	104	11	1.6	0
23/02/2023 23:40	0.8	84	10	1.7	0
23/02/2023 23:50	0.5	81	7	1.2	0
24/02/2023 00:00	0.4	86	7	0.9	0
24/02/2023 00:10	0.7	85	8	1.2	0
24/02/2023 00:20	0.4	93	8	1	0
24/02/2023 00:30	0.2	132	13	0.6	0
24/02/2023 00:40	0.2	118	6	0.8	0
24/02/2023 00:50	0.2	137	8	0.4	0
24/02/2023 01:00	0.1	123	11	0.5	0
24/02/2023 01:10	0.5	142	8	0.8	0
24/02/2023 01:20	0.4	118	8	0.8	0
24/02/2023 01:30	0.2	165	18	0.6	0
24/02/2023 01:40	0.7	217	24	1.4	0
24/02/2023 01:50	0.3	181	52	1	0
24/02/2023 02:00	1.4	143	28	2.6	0
24/02/2023 02:10	2.1	141	16	2.9	0
24/02/2023 02:20	2	145	20	3.1	0
24/02/2023 02:30	1.6	148	14	2.8	0
24/02/2023 02:40	1.4	144	32	2.6	0
24/02/2023 02:50	2	147	19	3.2	0
24/02/2023 03:00	1.5	139	42	2.6	0
24/02/2023 03:10	1.8	147	20	2.7	0
24/02/2023 03:20	1.4	146	30	2.4	0
24/02/2023 03:30	1.8	141	18	2.8	0
24/02/2023 03:40	2.3	130	16	3.2	0
24/02/2023 03:50	2	141	19	3.3	0
24/02/2023 04:00	2	141	16	3	0
24/02/2023 04:10	1.7	139	17	2.5	0
24/02/2023 04:20	1.7	131	12	2.6	0
24/02/2023 04:30	1.9	137	15	2.8	0
24/02/2023 04:40	2.1	136	18	2.9	0
24/02/2023 04:50	2.1	134	15	3.2	0
24/02/2023 05:00	2.5	138	17	3.6	0
24/02/2023 05:10	3.3	135	16	4.8	0
24/02/2023 05:20	2.9	131	16	3.9	0
24/02/2023 05:30	2.9	135	14	4.1	0
24/02/2023 05:40	3	129	13	4	0
24/02/2023 05:50	3.3	122	14	4.5	0
24/02/2023 06:00	3.4	125	14	5	0
24/02/2023 06:10	4.2	119	10	5.8	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/02/2023 06:20	4.3	117	14	6.9	0
24/02/2023 06:30	5.6	111	14	8.7	0
24/02/2023 06:40	5	118	12	7.2	0
24/02/2023 06:50	5.8	102	10	7.8	0
24/02/2023 07:00	5.7	101	10	7.5	0
24/02/2023 07:10	6.2	105	12	8.7	0
24/02/2023 07:20	6	102	13	9.1	0
24/02/2023 07:30	5.5	99	11	7.2	0
24/02/2023 07:40	5.7	89	10	8.6	0
24/02/2023 07:50	6.6	92	10	8.9	0
24/02/2023 08:00	5.8	95	12	8.1	0
24/02/2023 08:10	5.6	104	12	7.9	0
24/02/2023 08:20	6.1	109	14	8.3	0
24/02/2023 08:30	5.9	104	14	8.6	0
24/02/2023 08:40	5.7	107	12	7.6	0
24/02/2023 08:50	6	104	12	9.5	0
24/02/2023 09:00	6.4	104	11	8.4	0
24/02/2023 09:10	6	105	9	8.5	0
24/02/2023 09:20	5.7	106	12	8.7	0
24/02/2023 09:30	4.9	107	13	7.5	0
24/02/2023 09:40	4.5	104	12	6.2	0
24/02/2023 09:50	5	110	14	7.5	0
24/02/2023 10:00	5.3	102	10	7.1	0
24/02/2023 10:10	4.9	106	14	6.8	0
24/02/2023 10:20	5.1	99	14	7.1	0
24/02/2023 10:30	5.7	102	13	7.6	0
24/02/2023 10:40	5.8	97	13	8.7	0
24/02/2023 10:50	6.3	103	11	7.8	0
24/02/2023 11:00	5.1	109	14	6.6	0
24/02/2023 11:10	6	102	11	8.2	0
24/02/2023 11:20	5.7	97	13	7.9	0
24/02/2023 11:30	5.9	102	11	7.9	0
24/02/2023 11:40	5.9	110	14	8.6	0
24/02/2023 11:50	5.8	105	11	8.7	0
24/02/2023 12:00	6.2	106	13	8.9	0
24/02/2023 12:10	5.5	85	12	7.6	0
24/02/2023 12:20	5.4	85	12	7.8	0
24/02/2023 12:30	5.8	77	12	7.5	0
24/02/2023 12:40	5.6	79	13	8.1	0
24/02/2023 12:50	5.9	73	13	8.7	0
24/02/2023 13:00	5.9	66	12	7.7	0
24/02/2023 13:10	6.2	67	14	8.3	0
24/02/2023 13:20	6.3	70	12	8.3	0
24/02/2023 13:30	6	65	11	7.9	0
24/02/2023 13:40	5.7	64	12	7.9	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/02/2023 13:50	5.9	61	12	7.7	0
24/02/2023 14:00	6.3	68	14	8.3	0
24/02/2023 14:10	6.5	65	12	9.2	0
24/02/2023 14:20	6.8	67	11	9.1	0
24/02/2023 14:30	5.9	71	13	7.9	0
24/02/2023 14:40	5.3	67	12	8.2	0
24/02/2023 14:50	5.7	66	12	7.8	0
24/02/2023 15:00	5.1	65	13	7.1	0
24/02/2023 15:10	5.3	65	13	7.1	0
24/02/2023 15:20	5.7	60	10	7.5	0
24/02/2023 15:30	5.4	65	11	7.5	0
24/02/2023 15:40	5.1	65	12	7.9	0
24/02/2023 15:50	5	58	15	7.2	0
24/02/2023 16:00	5.2	57	13	7.1	0
24/02/2023 16:10	5.2	58	14	6.9	0
24/02/2023 16:20	4.9	47	14	7.1	0
24/02/2023 16:30	4.6	40	18	6.5	0
24/02/2023 16:40	4.8	43	13	6.4	0
24/02/2023 16:50	4.8	37	16	6.8	0
24/02/2023 17:00	4.5	32	18	7	0
24/02/2023 17:10	4.7	40	14	6.4	0
24/02/2023 17:20	4.1	41	16	5.5	0
24/02/2023 17:30	4.7	44	14	6	0
24/02/2023 17:40	4.2	39	17	5.9	0
24/02/2023 17:50	4.3	38	15	6.4	0
24/02/2023 18:00	4.6	43	13	6.4	0
24/02/2023 18:10	4.7	46	12	6.6	0
24/02/2023 18:20	4.8	43	12	6.5	0
24/02/2023 18:30	5.1	50	14	6.8	0
24/02/2023 18:40	4.4	55	14	6.4	0
24/02/2023 18:50	4.1	49	12	5.7	0
24/02/2023 19:00	3.9	47	11	5	0
24/02/2023 19:10	3.7	42	13	5.6	0
24/02/2023 19:20	3.7	42	12	5.2	0
24/02/2023 19:30	2.7	24	16	4.6	0
24/02/2023 19:40	2.9	12	17	4.1	0
24/02/2023 19:50	2.6	10	20	4	0
24/02/2023 20:00	2.1	22	16	3.3	0
24/02/2023 20:10	2.2	19	20	3.2	0
24/02/2023 20:20	2.2	29	19	3.3	0
24/02/2023 20:30	2.2	33	17	3	0
24/02/2023 20:40	2.6	36	15	3.5	0
24/02/2023 20:50	1.4	22	31	2.7	0
24/02/2023 21:00	1.1	309	38	2.3	0
24/02/2023 21:10	1.1	312	48	2.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/02/2023 21:20	0.3	150	18	1.6	0
24/02/2023 21:30	2.3	259	18	3.6	0
24/02/2023 21:40	2.5	262	14	3.4	0
24/02/2023 21:50	2.3	254	13	3.3	0
24/02/2023 22:00	1.2	244	27	1.7	0
24/02/2023 22:10	1.5	192	56	3	0
24/02/2023 22:20	7.2	136	15	11.5	0
24/02/2023 22:30	6.7	122	16	10.3	0.3
24/02/2023 22:40	6.1	115	13	8.9	0.1
24/02/2023 22:50	3.7	136	25	5.6	0.4
24/02/2023 23:00	1.6	178	76	2.8	0.2
24/02/2023 23:10	0.7	183	56	1.5	0.1
24/02/2023 23:20	1	142	53	2.1	0.2
24/02/2023 23:30	0.7	215	31	1.6	0.3
24/02/2023 23:40	0.2	141	11	0.8	0
24/02/2023 23:50	1.5	81	15	2.4	0
25/02/2023 00:00	3	108	10	4	0.1
25/02/2023 00:10	3.7	107	10	5	0.2
25/02/2023 00:20	3	127	14	3.9	0.1
25/02/2023 00:30	2.7	136	17	4.1	0.1
25/02/2023 00:40	1.5	136	28	2.8	0.1
25/02/2023 00:50	2.2	143	19	3.3	0.2
25/02/2023 01:00	1.9	135	21	3.1	0.1
25/02/2023 01:10	1.3	138	26	2.3	0.4
25/02/2023 01:20	1	138	24	1.6	0.2
25/02/2023 01:30	0.5	136	22	1.3	0.1
25/02/2023 01:40	1	220	55	2.3	0
25/02/2023 01:50	0.8	223	81	2	0
25/02/2023 02:00	1.2	182	88	2.1	0
25/02/2023 02:10	1.5	171	84	2.5	0
25/02/2023 02:20	1.4	293	81	2.7	0
25/02/2023 02:30	1.2	227	86	2.2	0
25/02/2023 02:40	2.5	136	38	4.4	0
25/02/2023 02:50	4.1	134	14	6.2	0
25/02/2023 03:00	4.9	119	13	7.1	3.9
25/02/2023 03:10	4.6	105	14	6.8	3.3
25/02/2023 03:20	4.5	87	11	6.3	1.6
25/02/2023 03:30	2.6	92	11	3.8	0.7
25/02/2023 03:40	2.9	87	11	4	0.2
25/02/2023 03:50	3.8	90	12	5.3	0.2
25/02/2023 04:00	3.6	98	10	4.7	0.2
25/02/2023 04:10	3.5	99	10	4.8	0.4
25/02/2023 04:20	3	91	10	4.1	0.3
25/02/2023 04:30	3.3	86	9	4.5	0.2
25/02/2023 04:40	3.5	86	10	5	0.4



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/02/2023 04:50	3.8	89	10	5.2	0.4
25/02/2023 05:00	3.5	89	13	5	0.5
25/02/2023 05:10	2.3	89	11	3.2	0.4
25/02/2023 05:20	2.5	93	10	3.4	0.2
25/02/2023 05:30	2.3	87	10	3.2	0.1
25/02/2023 05:40	2	86	7	2.5	0.2
25/02/2023 05:50	1.7	87	10	2.4	0.1
25/02/2023 06:00	0.6	136	32	1.4	0.2
25/02/2023 06:10	1.3	124	16	1.7	0.1
25/02/2023 06:20	1	150	48	1.8	0
25/02/2023 06:30	1.8	135	33	3.4	0.3
25/02/2023 06:40	1.2	140	54	2.1	0
25/02/2023 06:50	1.5	143	21	2.3	0
25/02/2023 07:00	1.1	144	35	2	0
25/02/2023 07:10	0.7	147	35	1.5	0
25/02/2023 07:20	0.4	213	50	1.1	0
25/02/2023 07:30	0.5	226	73	1.1	0
25/02/2023 07:40	0.2	189	36	0.9	0
25/02/2023 07:50	0.8	94	75	1.6	0
25/02/2023 08:00	0.9	67	90	1.6	0
25/02/2023 08:10	1.5	123	53	2.9	0
25/02/2023 08:20	2.8	145	33	4.1	0
25/02/2023 08:30	3.1	146	25	4.8	0
25/02/2023 08:40	2.1	135	87	3.8	0
25/02/2023 08:50	2.2	132	58	4	0
25/02/2023 09:00	3.2	146	32	5.4	0
25/02/2023 09:10	3.1	139	25	5	0
25/02/2023 09:20	3.3	138	21	4.7	0
25/02/2023 09:30	4	126	18	6.3	0
25/02/2023 09:40	4.1	124	14	6.3	0
25/02/2023 09:50	3.8	133	17	5.9	0
25/02/2023 10:00	3.9	123	17	5.9	0
25/02/2023 10:10	4.8	112	13	6.6	0
25/02/2023 10:20	5.2	105	12	7	0
25/02/2023 10:30	5.5	104	13	7.9	0
25/02/2023 10:40	5.4	102	15	8	0
25/02/2023 10:50	5.5	103	15	7.5	0
25/02/2023 11:00	5.5	93	14	8.5	0
25/02/2023 11:10	5.9	86	12	8.1	0
25/02/2023 11:20	5.5	91	14	7.2	0
25/02/2023 11:30	5.6	91	12	7.5	0
25/02/2023 11:40	5.7	93	12	7.6	0
25/02/2023 11:50	6.1	88	15	7.9	0
25/02/2023 12:00	5.7	81	12	7.5	0
25/02/2023 12:10	5.6	87	11	7.5	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/02/2023 12:20	5.3	98	13	7.8	0
25/02/2023 12:30	4.5	88	15	6.4	0
25/02/2023 12:40	5.7	75	12	7.5	0
25/02/2023 12:50	5.3	77	12	7.4	0
25/02/2023 13:00	4.9	73	13	7	0
25/02/2023 13:10	4.6	72	16	7	0
25/02/2023 13:20	5.2	79	15	7.5	0
25/02/2023 13:30	4.1	68	18	5.5	0
25/02/2023 13:40	4	71	17	5.3	0
25/02/2023 13:50	4.1	63	15	6.2	0
25/02/2023 14:00	4.6	67	16	6.5	0
25/02/2023 14:10	5.3	67	11	7.7	0
25/02/2023 14:20	5.2	55	13	7	0
25/02/2023 14:30	5.8	62	14	8.1	0
25/02/2023 14:40	6.4	58	14	8.7	0
25/02/2023 14:50	5.8	62	13	8.8	0
25/02/2023 15:00	5.8	55	15	7.2	0
25/02/2023 15:10	6.3	53	14	8.5	0
25/02/2023 15:20	6.1	56	13	8.7	0
25/02/2023 15:30	5.3	44	15	7.4	0
25/02/2023 15:40	5.2	42	16	7.2	0
25/02/2023 15:50	5.6	40	14	7.6	0
25/02/2023 16:00	5.7	42	13	8.4	0
25/02/2023 16:10	5.2	47	18	7.1	0
25/02/2023 16:20	4.8	47	15	7.2	0
25/02/2023 16:30	3.8	26	22	6.1	0
25/02/2023 16:40	4.1	50	15	5.6	0
25/02/2023 16:50	3.8	48	17	5.2	0
25/02/2023 17:00	3.3	59	16	5.6	0
25/02/2023 17:10	3.5	52	14	5	0
25/02/2023 17:20	3.2	51	13	4.4	0
25/02/2023 17:30	2.7	57	16	4.2	0
25/02/2023 17:40	3.1	50	14	4.3	0
25/02/2023 17:50	2.8	41	16	3.8	0
25/02/2023 18:00	2.6	54	15	3.8	0
25/02/2023 18:10	2.3	45	14	3.6	0
25/02/2023 18:20	1.8	27	25	3.2	0.1
25/02/2023 18:30	2.4	14	27	4.7	0.1
25/02/2023 18:40	2.7	23	18	4.1	0
25/02/2023 18:50	1.5	337	35	3.6	0
25/02/2023 19:00	3.7	300	16	5.4	0
25/02/2023 19:10	3.3	303	12	5.3	0
25/02/2023 19:20	3.1	299	15	4.8	0
25/02/2023 19:30	2.4	301	21	3.8	0
25/02/2023 19:40	2.3	311	24	4.4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/02/2023 19:50	2.3	304	20	3.9	0
25/02/2023 20:00	2.4	303	22	4.6	0
25/02/2023 20:10	2.9	298	14	4.1	0
25/02/2023 20:20	2.6	287	15	3.8	0
25/02/2023 20:30	2.2	286	15	3.6	0
25/02/2023 20:40	1.7	282	18	2.8	0
25/02/2023 20:50	0.9	274	15	1.8	0
25/02/2023 21:00	1.1	262	12	2.2	0
25/02/2023 21:10	0.5	260	15	1.5	0
25/02/2023 21:20	1.3	249	15	2.1	0
25/02/2023 21:30	0.7	180	33	2.4	0
25/02/2023 21:40	1.2	144	34	2.7	0
25/02/2023 21:50	0.6	142	35	1.7	0
25/02/2023 22:00	0.7	138	50	1.5	0
25/02/2023 22:10	0.8	139	57	1.9	0
25/02/2023 22:20	1.2	143	36	2.6	0
25/02/2023 22:30	0.4	150	67	1.3	0
25/02/2023 22:40	0.9	229	32	1.9	0
25/02/2023 22:50	1.3	234	41	2.4	0
25/02/2023 23:00	0.7	242	82	1.8	0
25/02/2023 23:10	0.5	81	78	1.4	0
25/02/2023 23:20	0.6	225	81	1.3	0
25/02/2023 23:30	0.9	143	45	1.9	0
25/02/2023 23:40	0.6	182	72	1.8	0
25/02/2023 23:50	0.9	186	50	2	0
26/02/2023 00:00	1	223	18	1.9	0
26/02/2023 00:10	1.4	228	16	2.8	0
26/02/2023 00:20	0.9	220	19	2	0
26/02/2023 00:30	0.3	148	18	0.8	0
26/02/2023 00:40	1.1	221	14	2.2	0
26/02/2023 00:50	1.6	221	13	2.6	0
26/02/2023 01:00	1.2	220	18	1.9	0
26/02/2023 01:10	1.1	218	17	2	0
26/02/2023 01:20	0.3	226	15	1.1	0
26/02/2023 01:30	0.2	226	13	1.1	0
26/02/2023 01:40	0.5	219	26	1.2	0
26/02/2023 01:50	1	223	30	1.9	0
26/02/2023 02:00	1.3	224	17	2.2	0
26/02/2023 02:10	1.5	223	14	2.4	0
26/02/2023 02:20	1.7	234	11	2.4	0
26/02/2023 02:30	1.6	227	12	2.6	0
26/02/2023 02:40	1.5	232	13	2.2	0
26/02/2023 02:50	0.7	217	19	1.3	0
26/02/2023 03:00	0.2	144	10	0.8	0
26/02/2023 03:10	0.3	149	28	1.4	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/02/2023 03:20	0.2	264	51	1	0
26/02/2023 03:30	0.3	213	28	0.9	0
26/02/2023 03:40	1	213	24	2	0
26/02/2023 03:50	0.2	249	34	0.7	0
26/02/2023 04:00	0.9	216	19	1.7	0
26/02/2023 04:10	0.8	236	54	1.9	0
26/02/2023 04:20	1.4	219	29	2.4	0
26/02/2023 04:30	1.6	221	19	2.5	0
26/02/2023 04:40	1.4	220	18	2.2	0
26/02/2023 04:50	0.6	215	32	1.3	0
26/02/2023 05:00	0.2	176	29	0.7	0
26/02/2023 05:10	0.1	232	13	0.6	0
26/02/2023 05:20	0	232	11	0.4	0
26/02/2023 05:30	0.1	208	20	0.5	0
26/02/2023 05:40	0.3	218	29	1.1	0
26/02/2023 05:50	0.5	140	20	1.4	0
26/02/2023 06:00	0.9	145	19	2.2	0
26/02/2023 06:10	1.4	138	15	2.1	0
26/02/2023 06:20	1	130	12	2	0
26/02/2023 06:30	0.5	131	16	1.5	0
26/02/2023 06:40	0.5	113	13	1.2	0
26/02/2023 06:50	0.6	98	14	1.2	0
26/02/2023 07:00	0.9	103	20	1.6	0
26/02/2023 07:10	1.1	108	18	1.9	0
26/02/2023 07:20	1.6	141	23	2.6	0
26/02/2023 07:30	1.6	143	25	2.7	0
26/02/2023 07:40	1.9	140	21	2.8	0
26/02/2023 07:50	2.1	125	16	3.1	0
26/02/2023 08:00	2.6	107	12	3.6	0
26/02/2023 08:10	2.8	97	12	4	0
26/02/2023 08:20	2.6	104	15	3.4	0
26/02/2023 08:30	2.9	111	15	4	0
26/02/2023 08:40	3.4	113	13	4.8	0
26/02/2023 08:50	3	97	16	4.3	0
26/02/2023 09:00	2.9	94	16	4	0
26/02/2023 09:10	2.7	92	21	4.4	0
26/02/2023 09:20	2.6	96	16	4	0
26/02/2023 09:30	3.2	98	14	4.8	0
26/02/2023 09:40	3.5	86	12	4.8	0
26/02/2023 09:50	3.2	85	15	4.5	0
26/02/2023 10:00	3.5	91	13	5.1	0
26/02/2023 10:10	3.4	89	17	4.8	0
26/02/2023 10:20	3.6	73	14	4.7	0
26/02/2023 10:30	3.9	75	17	5.6	0
26/02/2023 10:40	3.6	92	15	5.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/02/2023 10:50	3.4	82	17	4.9	0
26/02/2023 11:00	3.3	81	15	5	0
26/02/2023 11:10	3.1	85	17	5	0
26/02/2023 11:20	3.2	70	18	4.8	0
26/02/2023 11:30	2.6	84	16	4.1	0
26/02/2023 11:40	3	79	20	4.6	0
26/02/2023 11:50	3.6	66	12	5.5	0
26/02/2023 12:00	3.1	81	17	4.6	0
26/02/2023 12:10	3.2	71	18	4.6	0
26/02/2023 12:20	2.9	87	17	4.3	0
26/02/2023 12:30	3.1	58	14	4.6	0
26/02/2023 12:40	3.1	61	14	4.4	0
26/02/2023 12:50	3.1	59	15	4.7	0
26/02/2023 13:00	3.5	59	16	4.5	0
26/02/2023 13:10	3.3	46	15	4.5	0
26/02/2023 13:20	2.9	33	26	4.6	0
26/02/2023 13:30	2.8	168	29	4.1	0
26/02/2023 13:40	2.7	354	23	4.4	0
26/02/2023 13:50	2.3	325	36	3.9	0
26/02/2023 14:00	2.6	337	25	4.4	0
26/02/2023 14:10	2	349	29	3.5	0
26/02/2023 14:20	2.6	350	22	4.1	0
26/02/2023 14:30	2.7	345	20	4	0
26/02/2023 14:40	2.7	1	20	4.1	0
26/02/2023 14:50	2.9	350	22	4.1	0
26/02/2023 15:00	3.4	345	21	4.9	0
26/02/2023 15:10	3.5	344	21	5.6	0
26/02/2023 15:20	3.6	349	24	5.6	0
26/02/2023 15:30	3.5	357	29	5.5	0
26/02/2023 15:40	3.8	181	25	5.7	0
26/02/2023 15:50	3.6	180	23	5.6	0
26/02/2023 16:00	3.4	7	26	5.3	0
26/02/2023 16:10	3.1	181	26	5.4	0
26/02/2023 16:20	3.5	9	24	5.9	0
26/02/2023 16:30	4.3	346	21	6.1	0
26/02/2023 16:40	4.8	354	16	6.5	0
26/02/2023 16:50	3.7	339	19	5.4	0
26/02/2023 17:00	3.2	346	26	5.1	0
26/02/2023 17:10	3.4	320	19	5.2	0
26/02/2023 17:20	4.5	308	16	6.8	0
26/02/2023 17:30	5.2	300	12	6.8	0
26/02/2023 17:40	4.8	300	10	6.4	0
26/02/2023 17:50	4.2	305	12	5.8	0
26/02/2023 18:00	4.6	300	12	6.1	0
26/02/2023 18:10	4.6	300	10	5.8	0



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/02/2023 18:20	4.9	298	9	6.1	0
26/02/2023 18:30	4.4	295	12	6.1	0
26/02/2023 18:40	4	284	13	5.6	0
26/02/2023 18:50	4.3	286	13	5.7	0
26/02/2023 19:00	4.2	282	15	6.1	0
26/02/2023 19:10	3.7	270	14	5	0
26/02/2023 19:20	4.5	276	15	6.1	0
26/02/2023 19:30	4	264	12	5.6	0
26/02/2023 19:40	4.7	261	11	6.2	0
26/02/2023 19:50	4.5	262	10	6	0
26/02/2023 20:00	4.4	260	10	5.8	0
26/02/2023 20:10	4.2	264	11	5.5	0
26/02/2023 20:20	4.2	264	13	5.5	0
26/02/2023 20:30	4.6	263	10	6.4	0
26/02/2023 20:40	4.8	264	10	6.4	0
26/02/2023 20:50	4.6	262	10	5.8	0
26/02/2023 21:00	4.9	264	10	6.5	0
26/02/2023 21:10	4.2	261	11	6.4	0
26/02/2023 21:20	4.6	261	11	5.9	0
26/02/2023 21:30	4.5	257	13	6.3	0
26/02/2023 21:40	4.9	254	11	6.5	0
26/02/2023 21:50	4.5	257	11	6.1	0
26/02/2023 22:00	3.9	246	13	5.4	0
26/02/2023 22:10	3.9	245	14	5.6	0
26/02/2023 22:20	3.6	239	15	4.9	0
26/02/2023 22:30	3.7	236	12	5.3	0
26/02/2023 22:40	3.6	230	14	4.9	0
26/02/2023 22:50	2.2	151	79	3.7	0
26/02/2023 23:00	1.8	274	70	2.9	0
26/02/2023 23:10	2.9	217	27	4.4	0
26/02/2023 23:20	2.1	227	68	3.4	0
26/02/2023 23:30	1.3	203	94	2.6	0
26/02/2023 23:40	2.1	146	33	3.2	0
26/02/2023 23:50	2.3	141	33	3.8	0
27/02/2023 00:00	2.4	135	20	3.7	0
27/02/2023 00:10	2.4	131	23	4.5	0
27/02/2023 00:20	2	128	20	3.6	0
27/02/2023 00:30	2.6	130	18	5.1	0
27/02/2023 00:40	1.9	114	19	2.7	0
27/02/2023 00:50	1.6	115	13	2.3	0
27/02/2023 01:00	1	193	34	1.6	0
27/02/2023 01:10	0.7	237	28	1.2	0
27/02/2023 01:20	0.4	172	15	0.8	0
27/02/2023 01:30					0
27/02/2023 01:40					0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/02/2023 01:50					0
27/02/2023 02:00	0	227	0	0.4	0
27/02/2023 02:10	1	22	6	1.8	0
27/02/2023 02:20	0.5	52	9	1.3	0
27/02/2023 02:30					0
27/02/2023 02:40	0.1	59	4	0.7	0
27/02/2023 02:50					0
27/02/2023 03:00	0	210	0	0.4	0
27/02/2023 03:10	0.8	224	19	1.4	0
27/02/2023 03:20	0.6	280	24	1.2	0
27/02/2023 03:30	2.5	278	15	3.2	0
27/02/2023 03:40	2.3	269	11	3	0
27/02/2023 03:50	3	292	14	4.2	0
27/02/2023 04:00	2.7	283	12	3.8	0
27/02/2023 04:10	2.7	288	12	3.7	0
27/02/2023 04:20	3	280	16	4.4	0
27/02/2023 04:30	3.2	288	12	4.9	0
27/02/2023 04:40	3.1	287	14	4	0
27/02/2023 04:50	3.1	282	15	4.2	0
27/02/2023 05:00	2.8	283	14	4	0
27/02/2023 05:10	3	282	16	4.4	0
27/02/2023 05:20	3.1	290	14	4.8	0
27/02/2023 05:30	2.9	278	14	4.9	0
27/02/2023 05:40	3.1	272	14	4.4	0
27/02/2023 05:50	3.7	270	13	5.6	0
27/02/2023 06:00	4	262	9	5.4	0
27/02/2023 06:10	3.6	255	11	5.2	0
27/02/2023 06:20	3	254	11	4.3	0
27/02/2023 06:30	2.8	228	16	4.2	0
27/02/2023 06:40	2.5	220	24	4.2	0
27/02/2023 06:50	2.2	215	30	3.4	0
27/02/2023 07:00	2.1	227	44	3.6	0
27/02/2023 07:10	2.1	230	49	3.5	0
27/02/2023 07:20	1.5	264	79	2.9	0
27/02/2023 07:30	1.6	175	60	3	0
27/02/2023 07:40	1.4	148	71	2.3	0
27/02/2023 07:50	1.8	141	41	3.1	0
27/02/2023 08:00	1.7	135	59	2.9	0
27/02/2023 08:10	2	137	45	3.7	0
27/02/2023 08:20	1.9	175	66	3.3	0
27/02/2023 08:30	1.3	113	79	2.5	0
27/02/2023 08:40	2	166	63	3.6	0
27/02/2023 08:50	2	150	68	3.9	0
27/02/2023 09:00	1.6	160	64	2.8	0
27/02/2023 09:10	1.8	176	71	3.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/02/2023 09:20	1.9	167	72	3.6	0
27/02/2023 09:30	1.8	206	84	3.6	0
27/02/2023 09:40	1.9	158	55	3.2	0
27/02/2023 09:50	2	133	47	3.2	0
27/02/2023 10:00	1.9	168	53	3.2	0
27/02/2023 10:10	1.5	227	78	2.9	0
27/02/2023 10:20	1.7	180	56	3.1	0
27/02/2023 10:30	1.8	213	47	3.2	0
27/02/2023 10:40	1.7	225	44	2.8	0
27/02/2023 10:50	1.9	205	45	3.6	0
27/02/2023 11:00	1.9	202	42	3.7	0
27/02/2023 11:10	2.3	239	26	3.6	0
27/02/2023 11:20	2.3	238	33	3.9	0
27/02/2023 11:30	3.5	298	24	5.2	0
27/02/2023 11:40	3.5	306	25	6.1	0
27/02/2023 11:50	4.3	301	13	6.3	0
27/02/2023 12:00	4.4	299	12	5.8	0
27/02/2023 12:10	5	300	10	6.6	0
27/02/2023 12:20	4.5	306	16	6.4	0
27/02/2023 12:30	4.3	315	19	7.5	0
27/02/2023 12:40	5	308	15	7.9	0
27/02/2023 12:50	6	299	13	9	0
27/02/2023 13:00	6.8	295	8	8.8	0
27/02/2023 13:10	5.4	305	17	8.1	0
27/02/2023 13:20	4.1	337	27	6.7	0
27/02/2023 13:30	4.1	344	28	6.6	0
27/02/2023 13:40	3.4	336	33	5.6	0
27/02/2023 13:50	4.3	339	24	6.7	0
27/02/2023 14:00	4.9	348	20	7.2	0
27/02/2023 14:10	4.3	341	24	7.2	0
27/02/2023 14:20	4.5	319	21	7.6	0
27/02/2023 14:30	5.4	313	19	8.3	0
27/02/2023 14:40	6.1	305	14	9.2	0
27/02/2023 14:50	4.4	314	21	7.4	0
27/02/2023 15:00	6.6	299	13	9.4	0
27/02/2023 15:10	7.2	295	13	9.9	0
27/02/2023 15:20	6.3	305	16	8.4	0
27/02/2023 15:30	5	320	22	7.5	0
27/02/2023 15:40	6.2	306	17	8.7	0
27/02/2023 15:50	5.6	309	15	8.7	0
27/02/2023 16:00	7.4	295	11	9.9	0
27/02/2023 16:10	7.2	295	13	9.4	0
27/02/2023 16:20	6.9	298	10	9	0
27/02/2023 16:30	6.8	298	13	9.1	0
27/02/2023 16:40	7.1	295	10	9.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/02/2023 16:50	7	296	9	9.2	0
27/02/2023 17:00	6.5	294	11	8.6	0
27/02/2023 17:10	6.5	297	9	8.5	0
27/02/2023 17:20	5.6	293	11	7.4	0
27/02/2023 17:30	4.9	298	11	6.4	0
27/02/2023 17:40	4.2	285	18	5.7	0
27/02/2023 17:50	3.7	282	16	4.9	0
27/02/2023 18:00	4.1	267	16	5.5	0
27/02/2023 18:10	3.9	279	18	5.9	0
27/02/2023 18:20	4	261	12	5.4	0
27/02/2023 18:30	3.4	269	14	4.8	0
27/02/2023 18:40	3.4	256	14	4.6	0
27/02/2023 18:50	3.6	266	12	4.7	0
27/02/2023 19:00	3.4	261	11	4.7	0
27/02/2023 19:10	3.4	260	13	4.4	0
27/02/2023 19:20	3.8	267	13	4.9	0
27/02/2023 19:30	3.6	270	12	4.8	0
27/02/2023 19:40	3.7	265	13	5.1	0
27/02/2023 19:50	4	272	14	5	0
27/02/2023 20:00	3.8	265	12	5.2	0
27/02/2023 20:10	4	263	11	5.5	0
27/02/2023 20:20	4.2	263	12	5.5	0
27/02/2023 20:30	4.4	257	10	5.8	0
27/02/2023 20:40	4.2	261	9	5.6	0
27/02/2023 20:50	4	261	9	5.3	0
27/02/2023 21:00	4	265	11	5.5	0
27/02/2023 21:10	3.7	261	10	4.8	0
27/02/2023 21:20	3.5	262	11	4.6	0
27/02/2023 21:30	3.6	253	12	4.9	0
27/02/2023 21:40	3.4	253	11	4.4	0
27/02/2023 21:50	3.2	252	11	4	0
27/02/2023 22:00	3.3	249	12	4.7	0
27/02/2023 22:10	2.8	244	13	4	0
27/02/2023 22:20	2.7	244	15	3.5	0
27/02/2023 22:30	2.8	239	13	4.4	0
27/02/2023 22:40	2.7	240	12	3.5	0
27/02/2023 22:50	2.6	232	15	3.4	0
27/02/2023 23:00	3.1	247	13	4.6	0
27/02/2023 23:10	3	240	13	4.1	0
27/02/2023 23:20	3.1	227	13	4.2	0
27/02/2023 23:30	2.6	230	15	4.3	0
27/02/2023 23:40	2.4	228	17	3.8	0
27/02/2023 23:50	2.8	245	14	4.4	0
28/02/2023 00:00	3.3	251	11	4	0
28/02/2023 00:10	3.1	250	13	4.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/02/2023 00:20	2.9	245	13	3.8	0
28/02/2023 00:30	3	237	13	4	0
28/02/2023 00:40	2.4	235	13	3.2	0
28/02/2023 00:50	2.3	235	15	3.2	0
28/02/2023 01:00	2.2	226	13	3.1	0
28/02/2023 01:10	1.9	227	13	2.8	0
28/02/2023 01:20	2.1	228	14	3	0
28/02/2023 01:30	1.1	173	20	2	0
28/02/2023 01:40	0.8	173	19	1.6	0
28/02/2023 01:50	1	228	14	1.7	0
28/02/2023 02:00	0.7	147	12	1.5	0
28/02/2023 02:10	0	21	0	0.4	0
28/02/2023 02:20	0.8	287	6	1.5	0
28/02/2023 02:30	2.2	274	13	2.9	0
28/02/2023 02:40	2.9	310	21	4.7	0
28/02/2023 02:50	3.7	293	13	5.2	0
28/02/2023 03:00	5.4	295	11	7.1	0
28/02/2023 03:10	5.7	294	12	7.4	0
28/02/2023 03:20	4.3	297	13	6.3	0
28/02/2023 03:30	3.9	272	15	5.6	0
28/02/2023 03:40	3.8	260	11	5.2	0
28/02/2023 03:50	4.3	254	12	6	0
28/02/2023 04:00	4.6	255	12	6.4	0
28/02/2023 04:10	5.6	263	10	7.6	0
28/02/2023 04:20	4	261	11	5.2	0
28/02/2023 04:30	3.9	255	12	5.6	0.1
28/02/2023 04:40	4	251	10	5.5	0
28/02/2023 04:50	3.7	252	11	5.1	0
28/02/2023 05:00	3.3	251	12	4.7	0
28/02/2023 05:10	3.8	252	12	5.5	0
28/02/2023 05:20	3.4	252	11	4.7	0
28/02/2023 05:30	3.2	247	15	4.4	0
28/02/2023 05:40	1.9	223	18	2.7	0
28/02/2023 05:50	1.5	229	14	2.4	0
28/02/2023 06:00	2	225	15	2.9	0
28/02/2023 06:10	2.7	234	11	3.7	0
28/02/2023 06:20	3.3	240	11	4.4	0
28/02/2023 06:30	2.9	242	13	4.2	0
28/02/2023 06:40	2.6	239	13	3.9	0
28/02/2023 06:50	2.7	229	15	4.1	0
28/02/2023 07:00	2.5	225	16	3.6	0
28/02/2023 07:10	3.3	232	17	4.8	0
28/02/2023 07:20	3.5	228	14	5.1	0
28/02/2023 07:30	3	229	15	4.5	0
28/02/2023 07:40	3	217	18	4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/02/2023 07:50	2.8	222	29	4.4	0
28/02/2023 08:00	2.1	216	42	3.2	0
28/02/2023 08:10	2.8	223	28	4.2	0
28/02/2023 08:20	2.2	233	15	2.9	0
28/02/2023 08:30	2	227	25	3.1	0
28/02/2023 08:40	2.3	219	29	3.6	0
28/02/2023 08:50	2.4	235	18	3.5	0
28/02/2023 09:00	2.5	222	21	3.9	0
28/02/2023 09:10	2.2	216	26	3.5	0
28/02/2023 09:20	2.2	219	20	3.7	0
28/02/2023 09:30	1.9	234	39	3.2	0
28/02/2023 09:40	2	235	20	3.2	0
28/02/2023 09:50	2.2	250	20	3.2	0
28/02/2023 10:00	2.4	260	15	3.6	0.1
28/02/2023 10:10	2.7	269	19	3.8	0
28/02/2023 10:20	2.7	265	19	4.5	0
28/02/2023 10:30	2.3	310	25	3.5	0
28/02/2023 10:40	2.9	297	14	4.2	0
28/02/2023 10:50	2.6	301	19	4.1	0
28/02/2023 11:00	3.3	302	19	4.8	0
28/02/2023 11:10	3.2	296	13	4.7	0
28/02/2023 11:20	3.4	301	12	4.5	0
28/02/2023 11:30	3.5	302	12	4.9	0
28/02/2023 11:40	3.3	304	15	4.5	0
28/02/2023 11:50	3.9	300	14	5.2	0
28/02/2023 12:00	4.8	297	11	6.5	0
28/02/2023 12:10	5	297	11	6.4	0
28/02/2023 12:20	4.6	304	12	6.1	0
28/02/2023 12:30	4.5	305	14	6	0
28/02/2023 12:40	5	302	13	6.4	0
28/02/2023 12:50	4.7	304	16	6.5	0
28/02/2023 13:00	4.8	302	15	6.5	0
28/02/2023 13:10	5	295	14	6.4	0
28/02/2023 13:20	5.3	295	14	7	0
28/02/2023 13:30	5.4	296	14	7	0
28/02/2023 13:40	5.8	293	13	7.7	0
28/02/2023 13:50	5.8	295	15	7.5	0
28/02/2023 14:00	5.6	294	16	7.8	0
28/02/2023 14:10	5.8	291	13	7.4	0
28/02/2023 14:20	5.8	289	12	7.8	0
28/02/2023 14:30	6	298	14	7.9	0
28/02/2023 14:40	6.1	299	12	7.9	0
28/02/2023 14:50	5.9	295	16	8.3	0
28/02/2023 15:00	5.9	292	14	8	0
28/02/2023 15:10	6	292	15	8	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/02/2023 15:20	6	295	16	8.3	0
28/02/2023 15:30	5.6	290	16	7.3	0
28/02/2023 15:40	6.1	294	14	8.5	0
28/02/2023 15:50	6	298	12	7.8	0
28/02/2023 16:00	6	295	12	8.1	0
28/02/2023 16:10	5.4	292	14	7.7	0
28/02/2023 16:20	5.4	296	12	7.6	0
28/02/2023 16:30	5.6	293	14	7.9	0
28/02/2023 16:40	5.2	292	14	7.1	0
28/02/2023 16:50	5.5	286	14	7.7	0
28/02/2023 17:00	5.2	288	14	8	0
28/02/2023 17:10	5	274	17	7.4	0
28/02/2023 17:20	5.6	272	13	7.6	0
28/02/2023 17:30	5.4	270	15	7	0
28/02/2023 17:40	5.8	262	11	7.8	0
28/02/2023 17:50	5.7	261	12	7.5	0
28/02/2023 18:00	5.8	266	12	7.5	0
28/02/2023 18:10	5.3	260	11	7.4	0
28/02/2023 18:20	5.5	260	11	7.8	0
28/02/2023 18:30	5.7	260	12	7.9	0
28/02/2023 18:40	5.6	262	9	7.2	0
28/02/2023 18:50	5.8	258	10	7.9	0
28/02/2023 19:00	5.8	260	11	7.5	0
28/02/2023 19:10	5.7	258	10	7.7	0
28/02/2023 19:20	5.7	258	12	8.2	0
28/02/2023 19:30	6.2	252	12	7.9	0
28/02/2023 19:40	6.8	253	10	9.1	0
28/02/2023 19:50	6.4	256	12	8.3	0
28/02/2023 20:00	6.3	256	10	8.6	0
28/02/2023 20:10	6	254	10	7.6	0
28/02/2023 20:20	5.6	256	11	7.3	0
28/02/2023 20:30	5.4	255	13	7	0
28/02/2023 20:40	5.9	251	12	7.5	0
28/02/2023 20:50	5	252	13	6.5	0
28/02/2023 21:00	5.6	255	11	7.5	0
28/02/2023 21:10	5.2	250	12	7.2	0
28/02/2023 21:20	5.2	255	11	7.1	0
28/02/2023 21:30	5.1	258	11	6.5	0
28/02/2023 21:40	4.7	250	12	6.7	0
28/02/2023 21:50	5.7	254	10	7.5	0
28/02/2023 22:00	5	255	11	6.4	0
28/02/2023 22:10	4.9	257	11	6.3	0
28/02/2023 22:20	5.2	260	10	7.1	0
28/02/2023 22:30	5.4	255	11	7	0
28/02/2023 22:40	5.4	256	10	6.8	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/02/2023 22:50	4.9	256	10	6.6	0
28/02/2023 23:00	5.2	258	12	6.8	0
28/02/2023 23:10	5	256	11	6.6	0
28/02/2023 23:20	4.7	254	12	6.6	0
28/02/2023 23:30	4.4	254	11	6	0
28/02/2023 23:40	4.2	248	13	5.7	0
28/02/2023 23:50	3.1	229	13	4.4	0
01/03/2023 00:00	2.6	242	13	3.6	0
01/03/2023 00:10	3.5	245	12	5.1	0
01/03/2023 00:20	3.5	248	12	5.2	0
01/03/2023 00:30	4.2	256	10	5.2	0
01/03/2023 00:40	3.8	253	12	5.3	0
01/03/2023 00:50	4.6	257	10	5.9	0
01/03/2023 01:00	4.4	257	11	6.1	0
01/03/2023 01:10	5.4	256	10	7.2	0
01/03/2023 01:20	4.8	255	12	6	0
01/03/2023 01:30	4.8	255	12	6.7	0
01/03/2023 01:40	5	254	13	7.2	0
01/03/2023 01:50	5	249	11	7.4	0
01/03/2023 02:00	4.5	256	11	6.3	0
01/03/2023 02:10	4.5	258	11	5.8	0
01/03/2023 02:20	4.2	257	10	5.8	0
01/03/2023 02:30	4.1	261	11	5.6	0
01/03/2023 02:40	4.8	257	12	6.2	0
01/03/2023 02:50	5.5	243	15	7.3	0
01/03/2023 03:00	6	238	13	8.6	0
01/03/2023 03:10	5.5	241	13	8.7	0
01/03/2023 03:20	5.2	239	15	7.2	0
01/03/2023 03:30	4.6	241	12	6.3	0
01/03/2023 03:40	4.2	248	12	5.9	0
01/03/2023 03:50	4.2	248	12	5.6	0
01/03/2023 04:00	3.8	250	11	5.3	0
01/03/2023 04:10	3.3	239	14	4.3	0
01/03/2023 04:20	2.9	239	13	3.9	0
01/03/2023 04:30	3	237	13	4.4	0
01/03/2023 04:40	3.1	244	11	4	0
01/03/2023 04:50	2.6	234	15	3.5	0
01/03/2023 05:00	2.5	235	15	3.8	0
01/03/2023 05:10	2.8	247	13	3.9	0
01/03/2023 05:20	3.5	255	13	4.5	0
01/03/2023 05:30	4.4	257	9	5.7	0
01/03/2023 05:40	4.3	247	12	5.8	0
01/03/2023 05:50	4.1	253	10	5.2	0
01/03/2023 06:00	4.3	253	12	5.4	0
01/03/2023 06:10	4.2	255	9	5.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/03/2023 06:20	4.2	245	12	5.8	0
01/03/2023 06:30	3.3	251	13	4.3	0
01/03/2023 06:40	3	251	12	4.1	0
01/03/2023 06:50	2.8	253	12	3.9	0
01/03/2023 07:00	2.8	254	11	4	0
01/03/2023 07:10	2.5	251	10	3.3	0
01/03/2023 07:20	2.9	257	11	3.9	0
01/03/2023 07:30	4.1	264	8	5.3	0
01/03/2023 07:40	4.6	263	8	6.2	0
01/03/2023 07:50	4.2	258	9	5.6	0
01/03/2023 08:00	3.8	254	11	4.9	0
01/03/2023 08:10	4.7	253	14	5.8	0
01/03/2023 08:20	4.6	251	12	6.4	0
01/03/2023 08:30	4.8	252	11	6.4	0
01/03/2023 08:40	4.9	255	13	6.5	0
01/03/2023 08:50	4.9	253	11	6.4	0
01/03/2023 09:00	5.3	257	11	7.1	0
01/03/2023 09:10	5.4	258	13	6.8	0
01/03/2023 09:20	5.4	260	13	8.3	0
01/03/2023 09:30	5.9	263	13	7.9	0
01/03/2023 09:40	5.5	259	13	7.5	0
01/03/2023 09:50	5.4	253	13	7	0
01/03/2023 10:00	5.2	257	13	7.2	0
01/03/2023 10:10	5.3	271	17	7.2	0
01/03/2023 10:20	4.9	271	14	6.8	0
01/03/2023 10:30	5.6	262	13	6.9	0
01/03/2023 10:40	5.9	274	15	8.1	0
01/03/2023 10:50	5.9	291	14	8.1	0
01/03/2023 11:00	6.3	293	12	8.3	0
01/03/2023 11:10	6.1	295	12	7.9	0
01/03/2023 11:20	6.1	297	11	7.7	0
01/03/2023 11:30	6.4	296	11	9.4	0
01/03/2023 11:40	6.1	291	14	7.9	0
01/03/2023 11:50	6.5	296	12	8.3	0
01/03/2023 12:00	6.2	296	12	8.3	0
01/03/2023 12:10	6.3	288	17	8.3	0
01/03/2023 12:20	6.2	267	13	8.6	0
01/03/2023 12:30	6.7	265	13	9.1	0
01/03/2023 12:40	6.5	263	13	8.8	0
01/03/2023 12:50	6.6	256	12	9	0
01/03/2023 13:00	6.4	257	14	8.9	0
01/03/2023 13:10	6.8	256	11	9.2	0
01/03/2023 13:20	7.2	255	11	9.5	0
01/03/2023 13:30	7.3	263	12	9.5	0
01/03/2023 13:40	6.9	264	13	9.1	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/03/2023 13:50	7.5	263	10	10.5	0
01/03/2023 14:00	7.6	265	12	9.7	0
01/03/2023 14:10	7.6	263	11	9.7	0
01/03/2023 14:20	7.1	266	12	9.7	0
01/03/2023 14:30	6.9	260	12	9.4	0
01/03/2023 14:40	6.6	263	14	9.7	0
01/03/2023 14:50	6.7	266	14	8.9	0
01/03/2023 15:00	7.1	265	11	9.5	0
01/03/2023 15:10	6.8	261	13	9.2	0
01/03/2023 15:20	7.1	261	13	9.4	0
01/03/2023 15:30	7	262	12	9.4	0
01/03/2023 15:40	6.8	260	12	9.5	0
01/03/2023 15:50	6.8	264	12	9.5	0
01/03/2023 16:00	6.7	261	12	8.6	0
01/03/2023 16:10	6.8	257	11	9.7	0
01/03/2023 16:20	6.9	261	11	8.9	0
01/03/2023 16:30	6.6	257	12	9	0
01/03/2023 16:40	6.8	262	11	8.7	0
01/03/2023 16:50	7.3	263	13	9.5	0
01/03/2023 17:00	6.8	257	12	9.1	0
01/03/2023 17:10	6.7	261	12	8.7	0
01/03/2023 17:20	6.8	257	12	9.1	0
01/03/2023 17:30	6.5	256	12	8.5	0
01/03/2023 17:40	6.7	262	11	9.1	0
01/03/2023 17:50	6.1	257	13	8	0
01/03/2023 18:00	6.3	260	12	8.7	0
01/03/2023 18:10	6	259	12	7.8	0
01/03/2023 18:20	5.8	254	11	8.1	0
01/03/2023 18:30	5.9	258	11	7.7	0
01/03/2023 18:40	6	257	11	8.2	0
01/03/2023 18:50	5.4	255	14	7.5	0
01/03/2023 19:00	6.2	252	12	8.4	0
01/03/2023 19:10	6.4	257	12	8.8	0
01/03/2023 19:20	5.8	253	13	7.6	0
01/03/2023 19:30	5.8	242	11	8.3	0
01/03/2023 19:40	4.9	229	17	7.2	0
01/03/2023 19:50	5.6	222	21	7.6	0
01/03/2023 20:00	5.6	232	15	7.9	0
01/03/2023 20:10	4.3	235	40	9	0
01/03/2023 20:20	2.8	225	58	5	0
01/03/2023 20:30	4.1	225	40	6.6	0
01/03/2023 20:40	4.5	229	17	6.8	0
01/03/2023 20:50	3	238	18	5.2	0
01/03/2023 21:00	2.9	259	11	4.3	0
01/03/2023 21:10	3.8	264	10	5.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/03/2023 21:20	3.3	266	9	4.3	0
01/03/2023 21:30	2.7	257	11	3.6	0
01/03/2023 21:40	2.7	254	12	4	0
01/03/2023 21:50	3.5	262	9	4.4	0
01/03/2023 22:00	3	257	11	4	0
01/03/2023 22:10	3.1	262	10	4.2	0
01/03/2023 22:20	3.4	263	12	4.5	0
01/03/2023 22:30	3.4	259	11	4.3	0
01/03/2023 22:40	3.2	257	10	4.4	0
01/03/2023 22:50	3.7	253	10	5.2	0
01/03/2023 23:00	3.9	255	10	5.2	0
01/03/2023 23:10	3.4	245	13	4.8	0
01/03/2023 23:20	3.6	250	11	5.2	0
01/03/2023 23:30	3.8	256	9	5.5	0
01/03/2023 23:40	4.7	258	10	6.4	0
01/03/2023 23:50	3.7	254	12	5.1	0
02/03/2023 00:00	3.7	256	11	5	0
02/03/2023 00:10	3.6	260	11	5.2	0
02/03/2023 00:20	3.7	255	12	5.2	0
02/03/2023 00:30	4.3	250	13	6.1	0
02/03/2023 00:40	3.3	237	15	4.4	0
02/03/2023 00:50	3.7	238	12	5.4	0
02/03/2023 01:00	3.8	249	13	5.6	0
02/03/2023 01:10	3.8	255	10	5.2	0
02/03/2023 01:20	4.1	253	11	5.2	0
02/03/2023 01:30	3.5	256	10	4.8	0
02/03/2023 01:40	4.1	254	11	5.5	0
02/03/2023 01:50	3.9	252	12	5.3	0
02/03/2023 02:00	4.4	256	10	5.9	0
02/03/2023 02:10	3.6	258	10	4.8	0
02/03/2023 02:20	3.6	254	10	4.6	0
02/03/2023 02:30	3.4	256	11	4.4	0
02/03/2023 02:40	3.3	252	10	4.3	0
02/03/2023 02:50	2.8	245	13	4	0
02/03/2023 03:00	2.7	248	11	3.6	0
02/03/2023 03:10	2.8	252	11	3.6	0
02/03/2023 03:20	3.1	251	11	3.9	0
02/03/2023 03:30	2.8	248	12	3.8	0
02/03/2023 03:40	3.1	252	10	4.4	0
02/03/2023 03:50	2.7	256	10	3.6	0
02/03/2023 04:00	2.9	255	11	4	0
02/03/2023 04:10	1.9	251	12	2.6	0
02/03/2023 04:20	1.4	250	10	2.2	0
02/03/2023 04:30	2.2	248	11	3.1	0
02/03/2023 04:40	1	237	17	1.6	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/03/2023 04:50	0	226	0	0.4	0
02/03/2023 05:00	0.2	245	9	0.9	0
02/03/2023 05:10	0.1	279	6	0.9	0
02/03/2023 05:20	0.5	267	7	1	0
02/03/2023 05:30	1.3	274	5	1.8	0
02/03/2023 05:40	1.4	264	5	1.7	0
02/03/2023 05:50	1.4	255	7	1.6	0
02/03/2023 06:00	1.1	251	8	1.6	0
02/03/2023 06:10	0.9	265	9	1.2	0
02/03/2023 06:20	0.6	254	8	0.8	0
02/03/2023 06:30	0.7	293	4	1.1	0
02/03/2023 06:40	0.9	301	44	1.3	0
02/03/2023 06:50	0.9	27	12	1.2	0
02/03/2023 07:00	0.6	167	24	0.8	0
02/03/2023 07:10	0.1	271	4	0.4	0
02/03/2023 07:20					0
02/03/2023 07:30	0.6	211	7	1.2	0
02/03/2023 07:40	1.1	218	13	1.6	0
02/03/2023 07:50	1.7	223	16	2.4	0
02/03/2023 08:00	2.3	251	15	3.3	0
02/03/2023 08:10	2.8	242	13	4.1	0
02/03/2023 08:20	3.4	246	11	4.4	0
02/03/2023 08:30	3	250	15	4	0
02/03/2023 08:40	3.1	241	13	4.2	0
02/03/2023 08:50	3.1	245	15	4	0
02/03/2023 09:00	2.4	226	23	3.8	0
02/03/2023 09:10	2.5	228	49	4.8	0
02/03/2023 09:20	2	143	67	3.6	0
02/03/2023 09:30	1.8	183	72	2.9	0
02/03/2023 09:40	2.1	181	56	3.4	0
02/03/2023 09:50	1.8	177	54	3.6	0
02/03/2023 10:00	1.5	191	59	2.6	0
02/03/2023 10:10	1.8	194	39	3	0
02/03/2023 10:20	2.2	223	26	3.7	0
02/03/2023 10:30	1.9	261	32	4.4	0
02/03/2023 10:40	2.6	252	19	3.6	0
02/03/2023 10:50	3.3	289	19	4.5	0
02/03/2023 11:00	3.5	280	19	4.6	0
02/03/2023 11:10	3.7	303	12	4.7	0
02/03/2023 11:20	3.5	300	18	5.2	0
02/03/2023 11:30	4.8	299	10	6.2	0
02/03/2023 11:40	5.1	300	12	6.8	0
02/03/2023 11:50	5.3	301	12	7.3	0
02/03/2023 12:00	5.3	299	13	6.8	0
02/03/2023 12:10	5.5	301	12	7.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/03/2023 12:20	5.3	295	13	7.2	0
02/03/2023 12:30	5.5	299	13	7.3	0
02/03/2023 12:40	6.3	296	12	7.7	0
02/03/2023 12:50	6.5	296	9	8.3	0
02/03/2023 13:00	6.1	296	12	8.1	0
02/03/2023 13:10	6.3	299	11	8.3	0
02/03/2023 13:20	5.8	292	13	8	0
02/03/2023 13:30	5.9	291	14	8.3	0
02/03/2023 13:40	5.4	291	12	7.6	0
02/03/2023 13:50	5.8	270	15	7.9	0
02/03/2023 14:00	6.5	270	12	8.2	0
02/03/2023 14:10	6.8	263	12	8.7	0
02/03/2023 14:20	6.4	264	14	8.7	0
02/03/2023 14:30	6.1	263	13	8.5	0
02/03/2023 14:40	6	263	14	8.2	0
02/03/2023 14:50	6.2	264	14	8.4	0
02/03/2023 15:00	7.3	266	12	9.7	0
02/03/2023 15:10	6.9	267	12	8.7	0
02/03/2023 15:20	6.4	263	13	9.3	0
02/03/2023 15:30	6.2	257	12	8.7	0
02/03/2023 15:40	6.9	259	13	9.2	0
02/03/2023 15:50	7.4	265	11	9.2	0
02/03/2023 16:00	6.5	263	11	8	0
02/03/2023 16:10	7.9	264	11	9.9	0
02/03/2023 16:20	7	266	11	9.1	0
02/03/2023 16:30	7.1	264	11	9.2	0
02/03/2023 16:40	7.1	263	11	9.5	0
02/03/2023 16:50	6.4	261	11	8.5	0
02/03/2023 17:00	6.8	263	11	8.8	0
02/03/2023 17:10	6.8	261	10	8.7	0
02/03/2023 17:20	7	261	9	9.1	0
02/03/2023 17:30	7.5	262	9	9.4	0
02/03/2023 17:40	6.9	262	10	8.7	0
02/03/2023 17:50	6.6	263	11	8.1	0
02/03/2023 18:00	6.8	261	10	8.8	0
02/03/2023 18:10	6.3	262	11	7.9	0
02/03/2023 18:20	6.4	262	10	8.8	0
02/03/2023 18:30	6.2	260	9	8.9	0
02/03/2023 18:40	6.1	262	11	8.1	0
02/03/2023 18:50	6.1	256	12	8	0
02/03/2023 19:00	5.4	235	16	7.3	0
02/03/2023 19:10	5.1	248	12	6.7	0
02/03/2023 19:20	4.4	253	14	6.6	0
02/03/2023 19:30	4.9	256	12	6.8	0
02/03/2023 19:40	5	263	12	6.4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/03/2023 19:50	5.1	262	12	7.2	0
02/03/2023 20:00	5.5	263	12	7.8	0
02/03/2023 20:10	5.2	259	11	7.5	0
02/03/2023 20:20	4	235	20	6	0
02/03/2023 20:30	4.1	237	13	6	0
02/03/2023 20:40	3.8	234	13	5.3	0
02/03/2023 20:50	3.5	234	15	5.2	0
02/03/2023 21:00	2.9	294	56	4	0
02/03/2023 21:10	2.7	234	73	5.1	0
02/03/2023 21:20	2.5	222	61	4	0
02/03/2023 21:30	3	229	60	5.2	0
02/03/2023 21:40	2.4	245	98	4.1	0
02/03/2023 21:50	2.6	237	77	4.8	0
02/03/2023 22:00	5.1	218	20	7.2	0
02/03/2023 22:10	4	224	18	6	0
02/03/2023 22:20	3.5	240	15	5.6	0
02/03/2023 22:30	2.1	222	23	3	0
02/03/2023 22:40	1	176	41	1.6	0
02/03/2023 22:50	1.6	254	16	2.3	0
02/03/2023 23:00	2.3	261	13	3.3	0
02/03/2023 23:10	2.3	269	13	3.1	0
02/03/2023 23:20	2.6	264	11	3.7	0
02/03/2023 23:30	2.5	283	10	3.2	0
02/03/2023 23:40	2.8	275	11	3.6	0
02/03/2023 23:50	2.5	270	13	3.5	0
03/03/2023 00:00	2.2	280	12	2.7	0
03/03/2023 00:10	2.2	295	10	3.1	0
03/03/2023 00:20	2.6	291	12	3.6	0
03/03/2023 00:30	2.4	286	13	3.6	0
03/03/2023 00:40	2.7	277	13	3.6	0
03/03/2023 00:50	3.4	279	15	4.4	0
03/03/2023 01:00	3.1	278	17	4.5	0
03/03/2023 01:10	3	277	18	4.1	0
03/03/2023 01:20	3.1	273	14	4.1	0
03/03/2023 01:30	3	271	13	4.2	0
03/03/2023 01:40	4	272	12	5.1	0
03/03/2023 01:50	3.6	273	14	5.1	0
03/03/2023 02:00	3.9	285	15	5.7	0
03/03/2023 02:10	3.8	278	14	5.2	0
03/03/2023 02:20	3.3	280	19	5	0
03/03/2023 02:30	2.7	277	18	3.9	0
03/03/2023 02:40	3.2	270	13	4.7	0
03/03/2023 02:50	2.9	263	12	4.8	0
03/03/2023 03:00	3.1	260	10	4.3	0
03/03/2023 03:10	2.6	265	11	4	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/03/2023 03:20	2.5	262	11	3.6	0
03/03/2023 03:30	2.6	267	13	3.4	0
03/03/2023 03:40	2.8	262	10	4	0
03/03/2023 03:50	2.4	273	15	3.9	0
03/03/2023 04:00	2.8	280	14	4	0
03/03/2023 04:10	3.3	285	14	4.5	0
03/03/2023 04:20	3.4	286	14	4.8	0
03/03/2023 04:30	4.4	294	12	6.1	0
03/03/2023 04:40	4.4	292	13	6	0
03/03/2023 04:50	5.6	296	11	7.5	0
03/03/2023 05:00	5.8	303	15	8.3	0
03/03/2023 05:10	5.2	160	25	8.2	0
03/03/2023 05:20	4.4	340	23	6.8	0
03/03/2023 05:30	5.6	308	18	8.7	0.1
03/03/2023 05:40	6.2	296	11	8.3	0
03/03/2023 05:50	5.2	294	13	7.6	0
03/03/2023 06:00	5.3	298	12	7.3	0
03/03/2023 06:10	5.2	296	13	7.4	0
03/03/2023 06:20	4.3	291	15	5.9	0
03/03/2023 06:30	4.1	286	16	5.7	0
03/03/2023 06:40	4.3	269	14	5.6	0
03/03/2023 06:50	3.5	270	13	5.2	0
03/03/2023 07:00	4.8	264	11	6.1	0
03/03/2023 07:10	4.6	267	12	6.6	0
03/03/2023 07:20	4.9	263	12	6.7	0
03/03/2023 07:30	5.5	261	10	7.1	0
03/03/2023 07:40	4.1	272	15	5.9	0
03/03/2023 07:50	4.6	272	14	6.5	0
03/03/2023 08:00	4.9	265	12	6.5	0
03/03/2023 08:10	4.2	274	15	6.2	0
03/03/2023 08:20	4	286	16	5.6	0
03/03/2023 08:30	4	278	14	5.5	0
03/03/2023 08:40	4.2	282	16	6	0
03/03/2023 08:50	4.2	273	16	6	0
03/03/2023 09:00	3.9	275	17	5.2	0
03/03/2023 09:10	4.7	277	15	6.3	0
03/03/2023 09:20	4.9	290	14	6.2	0
03/03/2023 09:30	5.1	293	16	6.8	0
03/03/2023 09:40	4.6	290	17	6.2	0
03/03/2023 09:50	5	296	10	6.4	0
03/03/2023 10:00	4.9	288	16	6.8	0
03/03/2023 10:10	5.4	295	11	6.9	0
03/03/2023 10:20	5.4	287	15	7.8	0
03/03/2023 10:30	5.3	289	16	7.2	0
03/03/2023 10:40	5	290	18	7	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/03/2023 10:50	5.1	298	11	7.3	0
03/03/2023 11:00	5.1	292	13	6.7	0
03/03/2023 11:10	4.6	278	16	6.4	0
03/03/2023 11:20	5.1	265	14	7	0
03/03/2023 11:30	4.7	273	19	6.7	0
03/03/2023 11:40	5.3	253	18	7.2	0
03/03/2023 11:50	5.2	263	15	7.2	0
03/03/2023 12:00	5.3	254	13	6.9	0
03/03/2023 12:10	5.1	258	13	7.1	0
03/03/2023 12:20	5.9	263	13	7.9	0
03/03/2023 12:30	6.1	263	13	8.1	0
03/03/2023 12:40	6.3	265	14	8.3	0
03/03/2023 12:50	5.7	264	12	8.4	0
03/03/2023 13:00	5.4	268	16	7.5	0
03/03/2023 13:10	5.8	265	13	7.8	0
03/03/2023 13:20	6.2	260	13	8.4	0
03/03/2023 13:30	6.3	257	12	8.7	0
03/03/2023 13:40	6.4	260	12	9.3	0
03/03/2023 13:50	6.3	252	13	8.4	0
03/03/2023 14:00	6.6	258	12	8.7	0
03/03/2023 14:10	6.6	256	14	9	0
03/03/2023 14:20	6.6	259	12	9	0
03/03/2023 14:30	6.4	253	13	8.7	0
03/03/2023 14:40	6.5	257	14	8.7	0
03/03/2023 14:50	6.2	253	12	8.5	0
03/03/2023 15:00	5.9	253	11	7.7	0
03/03/2023 15:10	5.9	254	13	7.9	0
03/03/2023 15:20	6.3	261	13	8.3	0
03/03/2023 15:30	6.1	257	15	8.3	0
03/03/2023 15:40	6.4	260	13	8.8	0
03/03/2023 15:50	6.5	262	13	8.5	0
03/03/2023 16:00	6.8	265	11	8.6	0
03/03/2023 16:10	6.8	263	12	8.8	0
03/03/2023 16:20	6.5	263	11	8.7	0
03/03/2023 16:30	6.4	260	13	8.3	0
03/03/2023 16:40	6.2	258	13	8.5	0
03/03/2023 16:50	6.5	257	11	8.4	0
03/03/2023 17:00	6.6	265	12	8.7	0
03/03/2023 17:10	6.5	262	11	8.6	0
03/03/2023 17:20	6.1	260	11	8.3	0
03/03/2023 17:30	6.3	261	11	8	0
03/03/2023 17:40	6.2	261	10	8.1	0
03/03/2023 17:50	5.7	263	11	8.2	0
03/03/2023 18:00	5.6	260	12	7.6	0
03/03/2023 18:10	5.3	261	11	7	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/03/2023 18:20	5.7	263	11	7.5	0
03/03/2023 18:30	5.6	264	10	7.2	0
03/03/2023 18:40	5.9	262	9	7.7	0
03/03/2023 18:50	5.8	263	9	7.5	0
03/03/2023 19:00	5.8	260	12	8.3	0
03/03/2023 19:10	5.6	262	10	7.2	0
03/03/2023 19:20	5.7	262	12	7.3	0
03/03/2023 19:30	5.4	262	10	7.2	0
03/03/2023 19:40	5.7	263	11	7.9	0
03/03/2023 19:50	5.9	264	10	7.6	0
03/03/2023 20:00	5.5	261	11	7.2	0
03/03/2023 20:10	5.6	261	11	7.3	0
03/03/2023 20:20	5.7	265	12	8.1	0
03/03/2023 20:30	5.6	265	10	7.2	0
03/03/2023 20:40	5.4	262	9	7.4	0
03/03/2023 20:50	6.2	263	10	8.1	0
03/03/2023 21:00	5.6	265	10	7.2	0
03/03/2023 21:10	5.9	263	10	7.6	0
03/03/2023 21:20	5.8	262	9	7.9	0
03/03/2023 21:30	6	263	9	7.7	0
03/03/2023 21:40	5.8	259	11	7.2	0
03/03/2023 21:50	5.9	259	13	7.8	0
03/03/2023 22:00	5.6	261	12	7.7	0
03/03/2023 22:10	5.8	263	10	7.5	0
03/03/2023 22:20	6	263	8	7.8	0
03/03/2023 22:30	5.1	268	12	6.4	0
03/03/2023 22:40	4.8	265	11	6.8	0
03/03/2023 22:50	4.9	264	12	6.6	0
03/03/2023 23:00	5.1	262	10	6.8	0
03/03/2023 23:10	6.1	264	9	7.8	0
03/03/2023 23:20	5.7	261	10	7.8	0
03/03/2023 23:30	5.9	254	11	7.9	0
03/03/2023 23:40	6.2	256	12	8.6	0
03/03/2023 23:50	5.6	259	11	7.9	0
04/03/2023 00:00	5.8	261	10	8.2	0
04/03/2023 00:10	6.1	258	11	8.3	0
04/03/2023 00:20	5.9	260	12	7.9	0
04/03/2023 00:30	5.9	264	10	7.6	0
04/03/2023 00:40	6	263	11	8	0
04/03/2023 00:50	6.5	265	10	8.7	0
04/03/2023 01:00	6.4	263	10	9.1	0
04/03/2023 01:10	5.7	257	13	8.1	0
04/03/2023 01:20	6	261	11	8.3	0
04/03/2023 01:30	6	259	11	8.1	0
04/03/2023 01:40	6	260	10	8.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/03/2023 01:50	5.9	259	11	8.2	0
04/03/2023 02:00	5.9	256	11	7.9	0
04/03/2023 02:10	5.6	262	10	7.6	0
04/03/2023 02:20	5.5	263	10	7	0
04/03/2023 02:30	5.2	266	12	6.9	0
04/03/2023 02:40	5.5	265	12	8	0
04/03/2023 02:50	5.9	260	9	7.4	0
04/03/2023 03:00	5.5	260	11	7.7	0
04/03/2023 03:10	5.2	264	8	6.8	0
04/03/2023 03:20	4.9	261	9	7.4	0
04/03/2023 03:30	4.4	262	11	6	0
04/03/2023 03:40	4.5	267	12	6.3	0
04/03/2023 03:50	4.7	264	12	6.4	0
04/03/2023 04:00	4.6	264	11	6.3	0
04/03/2023 04:10	4	268	13	6.4	0
04/03/2023 04:20	3.5	274	15	5.1	0
04/03/2023 04:30	3.6	274	13	5.4	0
04/03/2023 04:40	3.4	276	16	5.3	0
04/03/2023 04:50	3.3	275	15	5.1	0
04/03/2023 05:00	2.9	271	13	4.5	0
04/03/2023 05:10	3.2	267	13	4.4	0
04/03/2023 05:20	2.9	266	13	4.2	0
04/03/2023 05:30	2.4	269	11	3.5	0
04/03/2023 05:40	3.2	269	14	4.1	0
04/03/2023 05:50	3.6	271	13	5	0
04/03/2023 06:00	3.8	271	12	5.2	0
04/03/2023 06:10	3.6	265	13	5.3	0
04/03/2023 06:20	4.4	265	10	5.7	0
04/03/2023 06:30	4.7	266	12	6.3	0
04/03/2023 06:40	5	262	11	6.3	0
04/03/2023 06:50	4.7	266	12	6.3	0
04/03/2023 07:00	4.5	270	14	6.7	0
04/03/2023 07:10	4.1	269	13	5.5	0
04/03/2023 07:20	4.8	267	12	6.4	0
04/03/2023 07:30	4.7	265	12	6.4	0
04/03/2023 07:40	5.4	266	11	7.1	0
04/03/2023 07:50	5	266	14	7.2	0
04/03/2023 08:00	5.1	264	13	7.3	0
04/03/2023 08:10	5.2	264	10	7.3	0
04/03/2023 08:20	5.7	263	11	7.8	0
04/03/2023 08:30	5.5	262	11	7.4	0
04/03/2023 08:40	5.7	264	11	7.7	0
04/03/2023 08:50	5.7	264	11	7.6	0
04/03/2023 09:00	5.9	263	11	7.5	0
04/03/2023 09:10	5.5	265	11	7.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/03/2023 09:20	5.5	262	12	7.6	0
04/03/2023 09:30	5.6	261	13	7.5	0
04/03/2023 09:40	5.9	262	13	8.2	0
04/03/2023 09:50	6.3	267	11	8.6	0
04/03/2023 10:00	5.6	264	13	7.5	0
04/03/2023 10:10	5.5	267	13	7.3	0
04/03/2023 10:20	5.8	267	14	7.9	0
04/03/2023 10:30	6	263	12	7.6	0
04/03/2023 10:40	6.3	258	12	7.9	0
04/03/2023 10:50	6.2	262	13	8.4	0
04/03/2023 11:00	6.4	263	13	8.3	0
04/03/2023 11:10	6	265	13	7.7	0
04/03/2023 11:20	6	263	12	8.2	0
04/03/2023 11:30	6.6	262	11	8.9	0
04/03/2023 11:40	6.4	264	12	8.1	0
04/03/2023 11:50	6.6	271	14	9.1	0
04/03/2023 12:00	6.6	264	12	8.3	0
04/03/2023 12:10	6.6	268	14	8.6	0
04/03/2023 12:20	7.1	265	13	9.3	0
04/03/2023 12:30	6.6	265	12	9.1	0
04/03/2023 12:40	7.3	263	12	9.1	0
04/03/2023 12:50	6.6	266	12	8.8	0
04/03/2023 13:00	6.6	265	14	9.1	0
04/03/2023 13:10	6.4	262	12	8.2	0
04/03/2023 13:20	6.3	263	13	8.3	0
04/03/2023 13:30	6.5	265	12	8.4	0
04/03/2023 13:40	6.6	262	12	9	0
04/03/2023 13:50	6.2	265	13	8.4	0
04/03/2023 14:00	6.8	262	11	8.9	0
04/03/2023 14:10	6.3	266	13	8.8	0
04/03/2023 14:20	6.7	265	10	8.4	0
04/03/2023 14:30	6	277	17	8.3	0
04/03/2023 14:40	6	295	12	8.8	0
04/03/2023 14:50	6.7	296	13	9	0
04/03/2023 15:00	6.4	297	12	9	0
04/03/2023 15:10	6	294	11	8.1	0
04/03/2023 15:20	6.5	296	13	9.1	0
04/03/2023 15:30	6.3	297	12	9	0
04/03/2023 15:40	6.2	297	12	8.4	0
04/03/2023 15:50	6.1	297	12	8.2	0
04/03/2023 16:00	6.4	296	12	8.7	0
04/03/2023 16:10	6.3	295	10	8.6	0
04/03/2023 16:20	5.7	291	13	7.5	0
04/03/2023 16:30	6	293	12	7.7	0
04/03/2023 16:40	6.2	295	11	8.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/03/2023 16:50	6.1	297	13	8.2	0
04/03/2023 17:00	6.2	291	13	8.8	0
04/03/2023 17:10	5.8	296	13	8.3	0
04/03/2023 17:20	5.8	296	15	7.5	0
04/03/2023 17:30	5.8	293	14	7.9	0
04/03/2023 17:40	5.7	296	15	7.2	0
04/03/2023 17:50	5.8	289	14	7.9	0
04/03/2023 18:00	5.8	289	17	7.6	0
04/03/2023 18:10	5.1	285	19	7.9	0
04/03/2023 18:20	6.1	291	13	8.4	0
04/03/2023 18:30	5.4	289	14	8.1	0
04/03/2023 18:40	5.9	290	14	8.4	0
04/03/2023 18:50	5.2	283	18	7.4	0
04/03/2023 19:00	4.7	278	17	7.3	0
04/03/2023 19:10	5.3	272	17	7.5	0
04/03/2023 19:20	5.8	271	15	7.9	0
04/03/2023 19:30	5.3	284	15	8.2	0
04/03/2023 19:40	5.7	275	16	8.3	0
04/03/2023 19:50	4.8	276	17	7.5	0
04/03/2023 20:00	5.7	275	17	8.4	0
04/03/2023 20:10	5.7	272	14	8.3	0
04/03/2023 20:20	5.3	269	14	7.6	0
04/03/2023 20:30	5.1	270	13	6.8	0
04/03/2023 20:40	5.3	270	14	8	0
04/03/2023 20:50	4.9	270	14	6.7	0
04/03/2023 21:00	4.5	273	14	6.5	0
04/03/2023 21:10	4.8	271	11	6.8	0
04/03/2023 21:20	5.1	272	14	7.1	0
04/03/2023 21:30	5.1	271	12	6.9	0
04/03/2023 21:40	4.6	273	12	6.4	0
04/03/2023 21:50	4.7	268	14	6.1	0
04/03/2023 22:00	5.4	271	13	7.2	0
04/03/2023 22:10	4.9	271	14	6.7	0
04/03/2023 22:20	5.1	272	14	6.8	0
04/03/2023 22:30	4.9	270	14	6.5	0
04/03/2023 22:40	4.5	272	15	6.8	0
04/03/2023 22:50	4.8	269	12	6.8	0
04/03/2023 23:00	5.1	273	14	7	0
04/03/2023 23:10	4.6	270	17	6.1	0
04/03/2023 23:20	4	272	13	5.5	0
04/03/2023 23:30	3.9	264	15	5.6	0
04/03/2023 23:40	2.8	257	11	4.1	0
04/03/2023 23:50	0.8	236	17	2	0
05/03/2023 00:00	0.6	256	19	1.4	0
05/03/2023 00:10	0.3	152	15	0.7	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/03/2023 00:20	0.2	111	6	0.6	0
05/03/2023 00:30	0.5	91	9	1	0
05/03/2023 00:40	0.8	55	16	1.2	0
05/03/2023 00:50	1.1	43	12	2	0
05/03/2023 01:00	1.5	21	17	2.4	0
05/03/2023 01:10	1.6	271	19	2.8	0
05/03/2023 01:20	2.6	266	12	3.6	0
05/03/2023 01:30	2.4	263	12	3.1	0
05/03/2023 01:40	1.8	271	16	2.8	0
05/03/2023 01:50	2	272	15	3.1	0
05/03/2023 02:00	0.8	289	27	1.8	0
05/03/2023 02:10	0.7	20	35	1.8	0
05/03/2023 02:20	0.8	24	19	1.5	0
05/03/2023 02:30	0.4	19	12	1	0
05/03/2023 02:40	0.6	172	34	1.6	0
05/03/2023 02:50	0.6	143	33	1.9	0
05/03/2023 03:00	1	300	18	2.4	0
05/03/2023 03:10	1.4	40	19	2.7	0
05/03/2023 03:20	0.9	180	21	2	0
05/03/2023 03:30	0.5	335	24	2	0
05/03/2023 03:40	0.8	153	28	3.1	0
05/03/2023 03:50	1.3	29	18	2.8	0
05/03/2023 04:00	1	314	38	2.4	0
05/03/2023 04:10	3	287	14	4.8	0
05/03/2023 04:20	2.8	284	15	4.4	0
05/03/2023 04:30	3.3	281	14	4.8	0
05/03/2023 04:40	2.9	278	16	4.4	0
05/03/2023 04:50	3	283	16	4.2	0
05/03/2023 05:00	3.1	274	13	4.5	0
05/03/2023 05:10	3.2	275	14	4.6	0
05/03/2023 05:20	3.2	274	14	4.4	0
05/03/2023 05:30	3.1	271	14	4.9	0
05/03/2023 05:40	2.5	265	14	3.5	0
05/03/2023 05:50	2.4	267	15	3.4	0
05/03/2023 06:00	2.1	273	16	3.5	0
05/03/2023 06:10	2.7	273	16	4	0
05/03/2023 06:20	2.7	275	14	4.2	0
05/03/2023 06:30	3.3	283	14	4.7	0
05/03/2023 06:40	3.6	280	15	5.4	0
05/03/2023 06:50	3.5	283	15	4.8	0
05/03/2023 07:00	3.7	284	15	5.2	0
05/03/2023 07:10	3.9	284	17	5.3	0
05/03/2023 07:20	4.5	289	14	6	0
05/03/2023 07:30	4.5	288	14	6.4	0
05/03/2023 07:40	4.2	289	15	6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/03/2023 07:50	4.4	285	16	6	0
05/03/2023 08:00	4.1	284	15	6	0
05/03/2023 08:10	4.6	288	14	6.4	0
05/03/2023 08:20	4.9	296	13	6.9	0
05/03/2023 08:30	5	299	13	6.6	0
05/03/2023 08:40	4.8	297	14	6.9	0
05/03/2023 08:50	4.7	278	17	6.6	0
05/03/2023 09:00	4.6	285	16	6.1	0
05/03/2023 09:10	4.9	283	17	6.7	0
05/03/2023 09:20	4.4	282	19	6.2	0
05/03/2023 09:30	4.8	277	17	6.5	0
05/03/2023 09:40	4.5	284	17	7	0
05/03/2023 09:50	5	286	16	6.6	0
05/03/2023 10:00	4.7	289	18	7.1	0
05/03/2023 10:10	5	287	17	7	0
05/03/2023 10:20	5.2	296	12	6.9	0
05/03/2023 10:30	4.9	293	14	6.8	0
05/03/2023 10:40	5	291	14	6.6	0
05/03/2023 10:50	5.1	291	16	7	0
05/03/2023 11:00	5	282	19	7.1	0
05/03/2023 11:10	5.2	294	13	7	0
05/03/2023 11:20	5.2	296	14	6.8	0
05/03/2023 11:30	5.1	296	12	6.4	0
05/03/2023 11:40	5.1	292	16	6.9	0
05/03/2023 11:50	5.1	294	14	7	0
05/03/2023 12:00	5.3	294	16	7.1	0
05/03/2023 12:10	5.1	291	16	7	0
05/03/2023 12:20	5.5	290	16	7.5	0
05/03/2023 12:30	5.7	291	14	7.2	0
05/03/2023 12:40	5.5	293	12	7.6	0
05/03/2023 12:50	5.3	297	11	6.8	0
05/03/2023 13:00	5.6	292	13	7.9	0
05/03/2023 13:10	5.7	293	14	7.5	0
05/03/2023 13:20	5.2	294	15	7.4	0
05/03/2023 13:30	5.4	287	16	7.4	0
05/03/2023 13:40	5.8	292	14	8.2	0
05/03/2023 13:50	6.1	298	11	8.1	0
05/03/2023 14:00	5.6	293	14	7.5	0
05/03/2023 14:10	5.6	294	14	7.5	0
05/03/2023 14:20	6.1	290	14	8.2	0
05/03/2023 14:30	5.9	296	13	8.2	0
05/03/2023 14:40	5.7	296	13	7.9	0
05/03/2023 14:50	5.6	296	12	7.9	0
05/03/2023 15:00	6	297	12	7.9	0
05/03/2023 15:10	5.6	294	14	7.4	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/03/2023 15:20	5.6	290	16	7.9	0
05/03/2023 15:30	5.2	283	19	7.1	0
05/03/2023 15:40	5.5	269	15	7.5	0
05/03/2023 15:50	5.5	262	12	7.9	0
05/03/2023 16:00	5.8	263	12	8.1	0
05/03/2023 16:10	5.6	266	14	7.8	0
05/03/2023 16:20	6.1	259	13	8.3	0
05/03/2023 16:30	6.4	265	8	8.5	0
05/03/2023 16:40	6.7	260	10	8.7	0
05/03/2023 16:50	6	263	13	8	0
05/03/2023 17:00	5.3	264	12	7.2	0
05/03/2023 17:10	5.3	290	15	7.2	0
05/03/2023 17:20	5.5	292	13	7.6	0
05/03/2023 17:30	5.8	295	11	7.2	0
05/03/2023 17:40	5.3	297	12	7.6	0
05/03/2023 17:50	5.9	298	12	7.9	0
05/03/2023 18:00	5.4	291	12	7.3	0
05/03/2023 18:10	5.5	291	12	7.2	0
05/03/2023 18:20	4.7	279	17	7.7	0
05/03/2023 18:30	4.6	272	16	6.5	0
05/03/2023 18:40	4.9	272	14	6.4	0
05/03/2023 18:50	5.1	272	13	6.9	0
05/03/2023 19:00	5	270	12	6.4	0
05/03/2023 19:10	5.3	249	15	7.1	0
05/03/2023 19:20	5.4	257	11	7.3	0
05/03/2023 19:30	5.7	260	10	7.9	0
05/03/2023 19:40	6.1	263	9	8	0
05/03/2023 19:50	5.5	266	12	7.6	0
05/03/2023 20:00	5.1	275	13	7	0
05/03/2023 20:10	4.5	274	14	6.3	0
05/03/2023 20:20	4.4	290	14	6	0
05/03/2023 20:30	4.9	298	11	6.4	0
05/03/2023 20:40	4.7	295	12	6.8	0
05/03/2023 20:50	4.9	293	13	7	0
05/03/2023 21:00	4.3	279	16	5.9	0
05/03/2023 21:10	4.5	268	14	6.5	0
05/03/2023 21:20	5.2	265	9	7	0
05/03/2023 21:30	4.9	273	13	6.6	0
05/03/2023 21:40	4.5	269	15	6.2	0
05/03/2023 21:50	4.7	270	14	6.5	0
05/03/2023 22:00	4.6	273	15	6.8	0
05/03/2023 22:10	4.8	272	14	6.6	0
05/03/2023 22:20	4.7	281	16	7	0
05/03/2023 22:30	4.8	278	17	6.5	0
05/03/2023 22:40	5	277	16	6.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/03/2023 22:50	4.6	277	15	6.3	0
05/03/2023 23:00	4.8	273	15	7	0
05/03/2023 23:10	3.9	274	16	6	0
05/03/2023 23:20	4.4	271	12	5.8	0
05/03/2023 23:30	4	276	13	5.6	0
05/03/2023 23:40	2.6	272	15	3.9	0
05/03/2023 23:50	3.7	266	10	5.3	0
06/03/2023 00:00	3.4	274	14	4.5	0
06/03/2023 00:10	3.3	275	15	4.7	0
06/03/2023 00:20	3.8	268	13	5.2	0
06/03/2023 00:30	3.9	272	13	5.3	0
06/03/2023 00:40	4.9	264	11	6.4	0
06/03/2023 00:50	4.7	266	12	6.7	0
06/03/2023 01:00	4.6	267	11	6	0
06/03/2023 01:10	4.5	268	12	6.8	0
06/03/2023 01:20	5.7	265	11	7.9	0
06/03/2023 01:30	4.9	260	12	6.7	0
06/03/2023 01:40	4.7	254	12	6.3	0
06/03/2023 01:50	4.2	249	13	5.8	0
06/03/2023 02:00	4.3	254	11	5.8	0
06/03/2023 02:10	4.1	249	12	6.1	0
06/03/2023 02:20	5.2	256	10	6.9	0
06/03/2023 02:30	4.9	254	12	7.2	0
06/03/2023 02:40	4	252	14	5.7	0
06/03/2023 02:50	3.4	245	14	5.4	0
06/03/2023 03:00	3.9	251	13	5.2	0
06/03/2023 03:10	3.4	244	14	4.9	0
06/03/2023 03:20	2.8	234	13	4.5	0
06/03/2023 03:30	3.6	246	13	4.7	0
06/03/2023 03:40	3.4	251	13	4.9	0
06/03/2023 03:50	4.2	252	10	6	0
06/03/2023 04:00	4.5	255	11	6	0
06/03/2023 04:10	4.6	257	11	6.8	0
06/03/2023 04:20	4.5	254	11	6.3	0
06/03/2023 04:30	4.3	254	12	5.9	0
06/03/2023 04:40	4.1	256	11	5.5	0
06/03/2023 04:50	3.7	255	10	4.9	0
06/03/2023 05:00	3.4	255	10	5.1	0
06/03/2023 05:10	3.8	262	10	5.1	0
06/03/2023 05:20	4.1	262	10	5.3	0
06/03/2023 05:30	4	260	10	5.1	0
06/03/2023 05:40	4	258	11	5.3	0
06/03/2023 05:50	4.3	261	11	5.7	0
06/03/2023 06:00	4	262	11	5.3	0
06/03/2023 06:10	3.8	263	10	5.4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/03/2023 06:20	3.1	265	9	4.3	0
06/03/2023 06:30	2.2	265	12	3.5	0
06/03/2023 06:40	2.2	261	10	3	0
06/03/2023 06:50	2.2	262	9	3.2	0
06/03/2023 07:00	2.4	264	13	3.6	0
06/03/2023 07:10	2.7	263	13	3.7	0
06/03/2023 07:20	3.2	267	12	4.3	0
06/03/2023 07:30	3.1	271	16	4.7	0
06/03/2023 07:40	3.7	262	12	4.8	0
06/03/2023 07:50	3.7	265	13	5	0
06/03/2023 08:00	3.6	269	15	4.8	0
06/03/2023 08:10	3.5	272	15	4.9	0
06/03/2023 08:20	3.5	266	15	4.8	0
06/03/2023 08:30	3.6	266	15	4.8	0
06/03/2023 08:40	3.5	278	14	4.8	0
06/03/2023 08:50	3.7	274	14	4.9	0
06/03/2023 09:00	3.7	267	15	5	0
06/03/2023 09:10	3.8	268	15	5	0
06/03/2023 09:20	4	266	15	5.3	0
06/03/2023 09:30	3.6	267	14	5.2	0
06/03/2023 09:40	3.8	274	18	5.4	0
06/03/2023 09:50	3.7	277	18	5	0
06/03/2023 10:00	3.3	270	19	4.6	0
06/03/2023 10:10	3.6	264	16	5	0
06/03/2023 10:20	3.1	269	18	4.3	0
06/03/2023 10:30	3.2	257	17	4.6	0
06/03/2023 10:40	3.1	253	15	5	0
06/03/2023 10:50	2.9	268	21	4.4	0
06/03/2023 11:00	3	282	18	4.3	0
06/03/2023 11:10	3.1	283	20	4.4	0
06/03/2023 11:20	3.1	290	25	4.9	0
06/03/2023 11:30	3.5	297	20	4.9	0
06/03/2023 11:40	3.9	295	12	5.2	0
06/03/2023 11:50	4.3	299	12	5.9	0
06/03/2023 12:00	4.8	307	15	6.8	0
06/03/2023 12:10	4.9	299	11	6.6	0
06/03/2023 12:20	4.3	301	15	5.9	0
06/03/2023 12:30	3.3	323	21	5.2	0
06/03/2023 12:40	3.7	347	22	5.2	0
06/03/2023 12:50	3.4	336	24	4.9	0
06/03/2023 13:00	3.3	333	21	4.8	0
06/03/2023 13:10	3.5	332	30	5.5	0
06/03/2023 13:20	3.3	330	24	5.2	0
06/03/2023 13:30	3.6	342	23	5.5	0
06/03/2023 13:40	3.9	350	21	6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/03/2023 13:50	4	177	20	5.5	0
06/03/2023 14:00	4.1	176	17	6.2	0
06/03/2023 14:10	4.8	173	19	6.7	0
06/03/2023 14:20	4.9	182	20	7.2	0
06/03/2023 14:30	4.3	182	22	6.7	0
06/03/2023 14:40	4.4	180	24	6.4	0
06/03/2023 14:50	4.4	184	21	6.5	0
06/03/2023 15:00	5	346	20	7.4	0
06/03/2023 15:10	4.7	183	18	6.5	0
06/03/2023 15:20	4.6	179	22	6.7	0
06/03/2023 15:30	4.9	5	20	6.8	0
06/03/2023 15:40	4.9	348	21	7.3	0
06/03/2023 15:50	5.4	352	19	7.3	0
06/03/2023 16:00	5.1	353	20	6.8	0
06/03/2023 16:10	5.3	347	23	7.5	0
06/03/2023 16:20	5.2	175	19	7.2	0
06/03/2023 16:30	5.3	352	17	7.5	0
06/03/2023 16:40	4.9	351	19	7.6	0
06/03/2023 16:50	4	348	21	6.3	0
06/03/2023 17:00	4	343	21	6.4	0
06/03/2023 17:10	3.7	320	22	5.8	0
06/03/2023 17:20	4.1	311	21	6.8	0
06/03/2023 17:30	3	325	30	4.9	0
06/03/2023 17:40	3.9	303	22	6.4	0
06/03/2023 17:50	5.5	297	11	7.2	0
06/03/2023 18:00	5.3	294	11	6.6	0
06/03/2023 18:10	1.8	224	71	3.2	0
06/03/2023 18:20	2.3	220	13	3.1	0
06/03/2023 18:30	2.6	232	18	4.1	0
06/03/2023 18:40	3	230	16	4.2	0
06/03/2023 18:50	3.3	241	14	5	0
06/03/2023 19:00	2.6	241	12	3.7	0
06/03/2023 19:10	2.4	269	14	3.3	0
06/03/2023 19:20	2.7	270	12	3.8	0
06/03/2023 19:30	3.1	294	15	4.6	0
06/03/2023 19:40	3.7	304	12	4.9	0
06/03/2023 19:50	4.1	306	13	5.9	0
06/03/2023 20:00	4.2	292	13	5.8	0
06/03/2023 20:10	4.7	296	11	5.9	0
06/03/2023 20:20	4.3	286	15	5.7	0
06/03/2023 20:30	4.4	300	11	6	0
06/03/2023 20:40	3.6	321	18	5.1	0
06/03/2023 20:50	3.9	307	16	5.4	0
06/03/2023 21:00	3.9	303	15	5.5	0
06/03/2023 21:10	3.9	307	14	5.8	0



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/03/2023 21:20	3.1	313	18	5.1	0
06/03/2023 21:30	3	320	21	5	0
06/03/2023 21:40	3.9	303	12	5.8	0
06/03/2023 21:50	2.1	321	31	3.8	0
06/03/2023 22:00	2.9	297	18	4.7	0
06/03/2023 22:10	3.4	288	14	4.8	0
06/03/2023 22:20	3.4	285	15	4.8	0
06/03/2023 22:30	3.2	285	15	4.6	0
06/03/2023 22:40	3.1	271	15	4.4	0
06/03/2023 22:50	3.4	267	12	4.6	0
06/03/2023 23:00	3.7	261	10	5	0
06/03/2023 23:10	3.3	261	10	4.7	0
06/03/2023 23:20	3.1	261	9	4.1	0
06/03/2023 23:30	3.3	260	9	4.1	0
06/03/2023 23:40	3.1	259	8	3.9	0
06/03/2023 23:50	2.4	256	12	3.6	0
07/03/2023 00:00	2.5	254	11	3.7	0
07/03/2023 00:10	3.3	257	11	4.6	0
07/03/2023 00:20	4.2	293	12	6.1	0
07/03/2023 00:30	4.9	300	11	6.6	0
07/03/2023 00:40	5	300	9	6.7	0
07/03/2023 00:50	4.9	302	12	6.7	0
07/03/2023 01:00	2.8	300	15	4.8	0
07/03/2023 01:10	2.2	311	19	3.6	0
07/03/2023 01:20	3.1	308	16	4.7	0
07/03/2023 01:30	3.5	307	14	5.4	0
07/03/2023 01:40	3.1	311	15	4.9	0
07/03/2023 01:50	2.7	315	18	4.5	0
07/03/2023 02:00	2.1	318	20	3.6	0.2
07/03/2023 02:10	2.3	316	19	4	0
07/03/2023 02:20	1.1	220	43	2.4	0
07/03/2023 02:30	1.5	296	30	2.8	0
07/03/2023 02:40	2.8	261	11	3.8	0
07/03/2023 02:50	2.3	279	16	3.5	0
07/03/2023 03:00	3	283	14	4.4	0
07/03/2023 03:10	2.8	292	15	4.1	0.1
07/03/2023 03:20	1.5	278	21	2.4	0
07/03/2023 03:30	0.7	76	43	2.4	0
07/03/2023 03:40	0.8	97	21	1.5	0
07/03/2023 03:50	0.6	231	12	1.2	0
07/03/2023 04:00	0.9	232	24	1.4	0
07/03/2023 04:10	0.2	178	25	0.8	0
07/03/2023 04:20	1.1	108	10	1.4	0
07/03/2023 04:30	1.9	98	9	2.6	0
07/03/2023 04:40	3.1	98	14	4.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/03/2023 04:50	7.2	128	16	9.8	0
07/03/2023 05:00	5.8	123	16	8.5	0
07/03/2023 05:10	7	133	13	10	0
07/03/2023 05:20	7.5	135	16	10.3	0.3
07/03/2023 05:30	5.8	130	16	8.3	0
07/03/2023 05:40	4.2	134	16	6.6	0
07/03/2023 05:50	1.7	167	71	3.3	0
07/03/2023 06:00	1.5	127	73	3.2	0.3
07/03/2023 06:10	2.7	222	45	4.4	0
07/03/2023 06:20	2.2	266	76	3.6	0.2
07/03/2023 06:30	3.1	222	53	4.8	0.1
07/03/2023 06:40	2.3	234	67	4	0.3
07/03/2023 06:50	2.4	229	44	4.1	0
07/03/2023 07:00	2.6	223	16	3.4	0
07/03/2023 07:10	2.2	233	15	3.4	0
07/03/2023 07:20	1.8	240	13	2.5	0
07/03/2023 07:30	1.2	255	18	1.8	0
07/03/2023 07:40	0.8	168	20	1.4	0
07/03/2023 07:50	0.5	19	16	1.2	0
07/03/2023 08:00	1.4	40	9	2	0
07/03/2023 08:10	3.3	37	12	4.8	0
07/03/2023 08:20	3.7	44	13	4.9	0
07/03/2023 08:30	4.4	51	10	5.7	0
07/03/2023 08:40	3.8	41	14	5.1	0
07/03/2023 08:50	3.9	43	12	4.8	0
07/03/2023 09:00	3.8	43	13	5	0
07/03/2023 09:10	3.5	42	11	4.6	0
07/03/2023 09:20	3.8	41	13	5.2	0
07/03/2023 09:30	3.7	40	15	4.9	0
07/03/2023 09:40	4.3	48	13	6	0
07/03/2023 09:50	4.5	40	11	5.9	0
07/03/2023 10:00	4.3	43	14	5.7	0
07/03/2023 10:10	4	47	14	5.8	0
07/03/2023 10:20	3.9	38	16	5.8	0
07/03/2023 10:30	3.6	45	17	5.2	0
07/03/2023 10:40	3.6	35	14	5.1	0
07/03/2023 10:50	2.9	26	20	4.1	0
07/03/2023 11:00	2.6	31	22	3.9	0
07/03/2023 11:10	2.4	55	28	4.4	0
07/03/2023 11:20	3.7	91	16	5.6	0
07/03/2023 11:30	4.6	94	14	6.3	0
07/03/2023 11:40	4.9	81	11	6.4	0
07/03/2023 11:50	4.6	78	13	6.4	0
07/03/2023 12:00	4.8	71	11	6	0
07/03/2023 12:10	4	74	16	5.6	0



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/03/2023 12:20	3.8	66	19	5.3	0
07/03/2023 12:30	3.7	69	40	5.5	0
07/03/2023 12:40	4.6	79	15	6.4	0
07/03/2023 12:50	4.2	76	15	5.6	0
07/03/2023 13:00	3.4	15	25	5.3	0
07/03/2023 13:10	3.8	186	26	6.2	0
07/03/2023 13:20	3.4	9	19	5.1	0
07/03/2023 13:30	3.6	180	21	5.6	0
07/03/2023 13:40	3.7	9	18	5.6	0
07/03/2023 13:50	3.8	6	28	6.3	0
07/03/2023 14:00	3.6	6	23	5	0
07/03/2023 14:10	3.7	188	21	6	0
07/03/2023 14:20	3.6	180	28	6	0
07/03/2023 14:30	3.5	182	26	6.2	0
07/03/2023 14:40	3.9	8	23	5.7	0
07/03/2023 14:50	3.7	9	25	5.9	0
07/03/2023 15:00	3.8	7	26	6	0
07/03/2023 15:10	3.8	179	24	5.6	0
07/03/2023 15:20	4	181	21	6.5	0
07/03/2023 15:30	3.9	5	26	6	0
07/03/2023 15:40	3.8	19	23	5.6	0
07/03/2023 15:50	4	4	26	6.8	0
07/03/2023 16:00	4.1	14	19	6	0
07/03/2023 16:10	4	11	22	5.8	0
07/03/2023 16:20	4.2	179	20	6.2	0
07/03/2023 16:30	4.1	7	23	5.8	0
07/03/2023 16:40	4.3	348	21	6.6	0
07/03/2023 16:50	4.1	179	21	6.8	0
07/03/2023 17:00	4.2	180	21	6.3	0
07/03/2023 17:10	4.1	8	19	6.5	0
07/03/2023 17:20	4.4	180	21	6.7	0
07/03/2023 17:30	3.8	356	23	6	0
07/03/2023 17:40	3.2	332	27	6	0
07/03/2023 17:50	3.9	341	24	6.5	0
07/03/2023 18:00	3.1	183	22	5.9	0
07/03/2023 18:10	3.2	174	22	5	0
07/03/2023 18:20	3.6	320	20	5.8	0
07/03/2023 18:30	5	299	11	7.1	0
07/03/2023 18:40	4.5	295	13	6.1	0
07/03/2023 18:50	4.7	296	11	6.4	0
07/03/2023 19:00	4.8	295	11	6	0
07/03/2023 19:10	4.3	292	13	5.7	0
07/03/2023 19:20	3.9	288	16	5.8	0
07/03/2023 19:30	3.9	286	16	5.9	0
07/03/2023 19:40	3.6	283	15	5.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/03/2023 19:50	3.6	281	17	5.2	0
07/03/2023 20:00	3.7	290	16	5.2	0
07/03/2023 20:10	3.8	285	14	5.5	0
07/03/2023 20:20	3.5	271	14	5.3	0
07/03/2023 20:30	3.8	273	14	5.5	0
07/03/2023 20:40	3.4	270	13	5.1	0
07/03/2023 20:50	3.3	266	15	4.7	0
07/03/2023 21:00	2.8	279	17	4.2	0
07/03/2023 21:10	2.9	283	16	4.8	0
07/03/2023 21:20	2.8	270	14	4.5	0
07/03/2023 21:30	3.3	266	13	4.2	0
07/03/2023 21:40	2.9	266	12	3.9	0
07/03/2023 21:50	2.9	267	10	3.9	0
07/03/2023 22:00	2.4	267	14	3.7	0
07/03/2023 22:10	2.5	260	11	3.7	0
07/03/2023 22:20	3.1	262	11	4.1	0
07/03/2023 22:30	3.8	261	9	4.7	0
07/03/2023 22:40	3.3	255	12	4.6	0
07/03/2023 22:50	3.3	252	12	4.4	0
07/03/2023 23:00	2.7	257	11	3.9	0
07/03/2023 23:10	2	257	11	3.2	0
07/03/2023 23:20	2.6	253	10	3.6	0
07/03/2023 23:30	2.7	256	10	3.9	0
07/03/2023 23:40	2.4	262	11	3.6	0
07/03/2023 23:50	2.6	261	10	3.6	0
08/03/2023 00:00	2.7	261	9	3.7	0
08/03/2023 00:10	3.1	264	9	4	0
08/03/2023 00:20	3	261	8	4	0
08/03/2023 00:30	2.9	260	9	4	0
08/03/2023 00:40	3.4	261	9	4.6	0
08/03/2023 00:50	3	263	10	4.1	0
08/03/2023 01:00	3.3	262	10	4.8	0
08/03/2023 01:10	3.7	262	9	4.7	0
08/03/2023 01:20	3.8	262	10	5	0
08/03/2023 01:30	3.9	259	13	5.5	0
08/03/2023 01:40	4	265	10	5.4	0
08/03/2023 01:50	3.8	261	9	5.6	0
08/03/2023 02:00	4.2	264	10	5.4	0
08/03/2023 02:10	4.4	262	10	6	0
08/03/2023 02:20	4.2	262	9	5.6	0
08/03/2023 02:30	4	263	10	5.3	0
08/03/2023 02:40	3.8	260	10	5.6	0
08/03/2023 02:50	3.9	256	12	5.1	0
08/03/2023 03:00	3.9	258	10	5.2	0
08/03/2023 03:10	3.7	263	10	5.2	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/03/2023 03:20	3.4	262	10	4.8	0
08/03/2023 03:30	3.7	256	12	5.1	0
08/03/2023 03:40	2.9	251	12	4.3	0
08/03/2023 03:50	2.4	237	14	3.6	0
08/03/2023 04:00	2.1	230	15	3.5	0
08/03/2023 04:10	1.3	221	27	2.5	0
08/03/2023 04:20	0.9	225	20	1.6	0
08/03/2023 04:30	1.3	223	27	2.4	0
08/03/2023 04:40	1.2	235	12	1.6	0
08/03/2023 04:50	2.1	243	10	2.9	0
08/03/2023 05:00	2.3	255	8	3	0
08/03/2023 05:10	2.2	254	11	3.2	0
08/03/2023 05:20	2.2	251	11	3.4	0
08/03/2023 05:30	2.1	244	11	2.9	0
08/03/2023 05:40	1.5	231	13	2.4	0
08/03/2023 05:50	0.8	225	20	1.6	0
08/03/2023 06:00	0.5	219	21	0.9	0
08/03/2023 06:10	0.8	239	12	1.2	0
08/03/2023 06:20	0.8	227	12	1.2	0
08/03/2023 06:30	1.2	239	10	2	0
08/03/2023 06:40	1.2	248	13	2	0
08/03/2023 06:50	2.1	241	13	3	0
08/03/2023 07:00	2.3	251	10	3.2	0
08/03/2023 07:10	2.4	254	11	3.3	0
08/03/2023 07:20	2.7	248	12	3.7	0
08/03/2023 07:30	2.8	244	12	4.1	0
08/03/2023 07:40	2.2	229	15	3.2	0
08/03/2023 07:50	2.5	221	14	3.6	0
08/03/2023 08:00	2.7	229	16	4	0
08/03/2023 08:10	2.7	230	12	3.6	0
08/03/2023 08:20	2.4	238	16	3.3	0
08/03/2023 08:30	2.6	233	14	3.9	0
08/03/2023 08:40	2.6	237	15	3.8	0
08/03/2023 08:50	2.8	243	12	3.8	0
08/03/2023 09:00	3.1	239	18	4.4	0
08/03/2023 09:10	3.6	242	13	4.8	0
08/03/2023 09:20	3.4	253	16	5.2	0
08/03/2023 09:30	3.2	245	22	4.8	0
08/03/2023 09:40	2.8	240	22	4.4	0
08/03/2023 09:50	3.2	260	15	4.2	0
08/03/2023 10:00	2.9	246	17	4.6	0
08/03/2023 10:10	2.9	271	19	4	0
08/03/2023 10:20	3.2	267	16	4.3	0
08/03/2023 10:30	3	271	19	3.9	0
08/03/2023 10:40	3.6	277	16	5	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/03/2023 10:50	3	270	19	4.4	0
08/03/2023 11:00	3.1	277	21	4.1	0
08/03/2023 11:10	3.3	296	16	4.4	0
08/03/2023 11:20	3.4	293	20	5.4	0
08/03/2023 11:30	3.9	299	17	5.3	0
08/03/2023 11:40	4.1	297	16	5.5	0
08/03/2023 11:50	4.7	308	16	6.1	0
08/03/2023 12:00	4.5	299	16	6.6	0
08/03/2023 12:10	4.7	296	16	6.4	0
08/03/2023 12:20	4.3	300	16	6.6	0
08/03/2023 12:30	4.1	302	16	6.4	0
08/03/2023 12:40	4.7	304	17	6.7	0
08/03/2023 12:50	4.8	299	13	6.4	0
08/03/2023 13:00	4.7	293	17	6.7	0
08/03/2023 13:10	4.7	293	13	6.2	0
08/03/2023 13:20	4.8	287	15	6.5	0
08/03/2023 13:30	4.5	299	17	6.9	0
08/03/2023 13:40	4.9	297	16	7.1	0
08/03/2023 13:50	4.9	297	15	7.2	0
08/03/2023 14:00	5.2	298	16	7	0
08/03/2023 14:10	5	297	15	6.8	0
08/03/2023 14:20	5.3	291	13	7.3	0
08/03/2023 14:30	5	296	14	7	0
08/03/2023 14:40	5.3	299	15	6.9	0
08/03/2023 14:50	5.1	293	15	7	0
08/03/2023 15:00	5.4	294	13	7	0
08/03/2023 15:10	5.6	301	16	7.6	0
08/03/2023 15:20	5.2	294	13	7.2	0
08/03/2023 15:30	4.9	301	15	7	0
08/03/2023 15:40	4.9	304	17	7.1	0
08/03/2023 15:50	4.9	297	14	6.6	0
08/03/2023 16:00	4.6	297	13	6.1	0
08/03/2023 16:10	4.6	296	15	6.1	0
08/03/2023 16:20	4.4	294	14	6	0
08/03/2023 16:30	4.8	293	14	6.3	0
08/03/2023 16:40	4.8	295	14	6.3	0
08/03/2023 16:50	4.2	297	15	6.4	0
08/03/2023 17:00	4.5	293	16	6.3	0
08/03/2023 17:10	4.7	291	14	6.4	0
08/03/2023 17:20	4.2	294	12	6	0
08/03/2023 17:30	4.1	294	13	5.6	0
08/03/2023 17:40	3.9	291	11	5.6	0
08/03/2023 17:50	4	289	15	5.6	0
08/03/2023 18:00	3.7	281	18	4.8	0
08/03/2023 18:10	3.1	260	15	4.7	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/03/2023 18:20	3.5	228	13	4.5	0
08/03/2023 18:30	2.8	241	16	3.9	0
08/03/2023 18:40	2.7	254	13	3.6	0
08/03/2023 18:50	3.4	260	10	4.7	0
08/03/2023 19:00	3.8	258	13	4.8	0
08/03/2023 19:10	4.3	257	12	6	0
08/03/2023 19:20	4.4	258	11	5.8	0
08/03/2023 19:30	4.3	267	13	6	0
08/03/2023 19:40	4.8	267	11	6.4	0
08/03/2023 19:50	5.4	261	10	7.2	0
08/03/2023 20:00	4.9	262	13	6.8	0
08/03/2023 20:10	5.3	259	13	7	0
08/03/2023 20:20	3.5	248	11	4.8	0
08/03/2023 20:30	3.1	253	13	4.4	0
08/03/2023 20:40	2.8	256	12	3.8	0
08/03/2023 20:50	4	264	12	5.3	0
08/03/2023 21:00	3.9	261	10	5.2	0
08/03/2023 21:10	3.8	255	11	4.7	0
08/03/2023 21:20	3.3	263	11	4.4	0
08/03/2023 21:30	3.2	256	12	4.6	0
08/03/2023 21:40	3.2	267	14	4.3	0
08/03/2023 21:50	3.4	288	13	4.8	0
08/03/2023 22:00	4.3	299	11	6.1	0
08/03/2023 22:10	5	299	11	6.7	0
08/03/2023 22:20	5.5	298	10	7.2	0
08/03/2023 22:30	4.1	297	14	5.7	0
08/03/2023 22:40	5.2	298	11	6.8	0
08/03/2023 22:50	5.1	299	12	7	0
08/03/2023 23:00	5.3	300	12	7.5	0
08/03/2023 23:10	4.9	303	12	6.5	0
08/03/2023 23:20	2.9	328	25	5.3	0
08/03/2023 23:30	4.4	298	14	6.8	0
08/03/2023 23:40	4.9	296	10	6.7	0
08/03/2023 23:50	4.9	293	12	6.4	0
09/03/2023 00:00	4	275	15	6	0
09/03/2023 00:10	3.9	266	12	5.2	0
09/03/2023 00:20	3.6	272	15	4.9	0
09/03/2023 00:30	3.5	271	17	5.2	0
09/03/2023 00:40	3.7	269	13	5.2	0
09/03/2023 00:50	4.2	265	14	5.6	0
09/03/2023 01:00	4.3	268	12	6.1	0
09/03/2023 01:10	3.8	263	12	5.2	0
09/03/2023 01:20	4.2	263	11	6	0
09/03/2023 01:30	3.9	264	13	5.5	0
09/03/2023 01:40	5	263	10	6.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/03/2023 01:50	4.5	265	12	6.2	0
09/03/2023 02:00	4.3	266	13	6	0
09/03/2023 02:10	4.6	262	10	6.4	0
09/03/2023 02:20	4.5	261	10	6.4	0
09/03/2023 02:30	4.2	260	11	6.6	0
09/03/2023 02:40	5.1	261	10	7.1	0
09/03/2023 02:50	4.8	256	11	6.2	0
09/03/2023 03:00	4.4	260	12	5.9	0
09/03/2023 03:10	4.6	260	10	6.3	0
09/03/2023 03:20	4.5	261	11	5.6	0
09/03/2023 03:30	4	260	12	5.2	0
09/03/2023 03:40	3.8	260	11	5.3	0
09/03/2023 03:50	3.4	244	17	5.1	0
09/03/2023 04:00	2	228	15	3.7	0
09/03/2023 04:10	2.3	232	17	3.6	0
09/03/2023 04:20	2.5	229	16	3.6	0
09/03/2023 04:30	2.8	236	13	4.4	0
09/03/2023 04:40	3	239	12	4.6	0
09/03/2023 04:50	2.7	236	15	4.2	0
09/03/2023 05:00	1.9	231	17	3.5	0
09/03/2023 05:10	2.3	233	11	3.3	0
09/03/2023 05:20	1.7	235	16	2.8	0
09/03/2023 05:30	1.5	227	16	2	0
09/03/2023 05:40	1.2	228	16	2.4	0
09/03/2023 05:50	1.6	222	16	2.5	0
09/03/2023 06:00	1.6	221	15	2.6	0
09/03/2023 06:10	1.5	216	16	2.3	0
09/03/2023 06:20	1.2	223	16	2.2	0
09/03/2023 06:30	1.6	229	18	2.5	0
09/03/2023 06:40	1.8	221	19	2.8	0
09/03/2023 06:50	1.7	222	13	2.8	0
09/03/2023 07:00	2.1	223	14	3.7	0
09/03/2023 07:10	2.7	217	18	3.9	0
09/03/2023 07:20	2.6	222	18	3.8	0
09/03/2023 07:30	2.7	219	20	3.9	0
09/03/2023 07:40	3.2	219	21	4.4	0
09/03/2023 07:50	3.5	218	17	4.9	0
09/03/2023 08:00	3	221	27	4.6	0
09/03/2023 08:10	2.8	218	15	4	0
09/03/2023 08:20	2.8	233	18	4.1	0
09/03/2023 08:30	3	234	19	4.4	0
09/03/2023 08:40	3.1	251	14	4.4	0
09/03/2023 08:50	2.8	250	17	4	0
09/03/2023 09:00	2.8	255	15	3.9	0
09/03/2023 09:10	3	253	14	4.4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/03/2023 09:20	3.3	257	15	4.6	0
09/03/2023 09:30	3.6	247	15	4.7	0
09/03/2023 09:40	3.5	259	17	4.8	0
09/03/2023 09:50	3.5	266	17	4.7	0
09/03/2023 10:00	3.5	266	18	4.7	0
09/03/2023 10:10	3.3	280	16	4.7	0
09/03/2023 10:20	3.4	276	18	4.8	0
09/03/2023 10:30	3.2	279	15	4.7	0
09/03/2023 10:40	2.9	275	21	4.3	0
09/03/2023 10:50	3.4	273	19	4.7	0
09/03/2023 11:00	3.4	262	18	4.8	0
09/03/2023 11:10	3.3	277	16	4.6	0
09/03/2023 11:20	3.2	270	22	5	0
09/03/2023 11:30	2.2	261	35	4	0
09/03/2023 11:40	2.6	262	31	4	0
09/03/2023 11:50	3.4	291	20	4.5	0
09/03/2023 12:00	3.6	294	17	5.2	0
09/03/2023 12:10	3.9	289	16	5.1	0
09/03/2023 12:20	3.9	302	18	5.6	0
09/03/2023 12:30	4.6	300	10	6.4	0
09/03/2023 12:40	3.8	311	20	5.5	0
09/03/2023 12:50	3.7	3	17	5.7	0
09/03/2023 13:00	3.8	324	24	6	0
09/03/2023 13:10	4.4	176	18	6	0
09/03/2023 13:20	4.6	322	18	7.2	0
09/03/2023 13:30	6.1	299	9	7.7	0
09/03/2023 13:40	4.3	313	21	7.3	0
09/03/2023 13:50	5.8	297	12	7.3	0
09/03/2023 14:00	4.9	304	15	7.1	0
09/03/2023 14:10	5.7	298	15	8.1	0
09/03/2023 14:20	5.9	294	12	7.5	0
09/03/2023 14:30	6	296	10	8.3	0
09/03/2023 14:40	4.7	304	20	6.8	0
09/03/2023 14:50	5.1	304	16	7.7	0
09/03/2023 15:00	6.1	292	13	8	0
09/03/2023 15:10	6.1	295	10	7.9	0
09/03/2023 15:20	5.2	299	16	7.1	0
09/03/2023 15:30	5.3	298	14	7.5	0
09/03/2023 15:40	5.3	289	16	7.1	0
09/03/2023 15:50	5.2	290	16	7	0
09/03/2023 16:00	4.8	300	17	6.6	0
09/03/2023 16:10	5.2	290	14	6.9	0
09/03/2023 16:20	5.4	292	17	7.4	0
09/03/2023 16:30	5.5	289	16	7.6	0
09/03/2023 16:40	5.3	292	14	7	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/03/2023 16:50	5	282	19	7	0
09/03/2023 17:00	5.2	286	14	7.3	0
09/03/2023 17:10	4.9	293	13	6.9	0
09/03/2023 17:20	5.1	290	15	7.1	0
09/03/2023 17:30	5.2	288	14	7.5	0
09/03/2023 17:40	4.9	282	15	7.2	0
09/03/2023 17:50	4.8	285	18	6.5	0
09/03/2023 18:00	5	283	15	7.3	0
09/03/2023 18:10	4.8	281	17	7	0
09/03/2023 18:20	4.6	281	17	6.1	0
09/03/2023 18:30	4.7	274	14	6.6	0
09/03/2023 18:40	4.3	269	13	6.1	0
09/03/2023 18:50	4.3	272	15	5.9	0
09/03/2023 19:00	4.5	272	14	6	0
09/03/2023 19:10	4.3	272	15	6.1	0
09/03/2023 19:20	4.3	271	13	5.8	0
09/03/2023 19:30	4.3	264	13	6.2	0
09/03/2023 19:40	4	268	12	5.5	0
09/03/2023 19:50	3.9	272	14	5.4	0
09/03/2023 20:00	4.9	265	12	6.4	0
09/03/2023 20:10	4.4	262	11	6.1	0
09/03/2023 20:20	4.2	263	10	5.7	0
09/03/2023 20:30	3.5	259	12	4.9	0
09/03/2023 20:40	4.3	266	12	6	0
09/03/2023 20:50	4.4	262	10	6	0
09/03/2023 21:00	5.2	261	10	7	0
09/03/2023 21:10	4.4	263	11	6	0
09/03/2023 21:20	4.7	264	10	6.4	0
09/03/2023 21:30	4.4	265	9	6.2	0
09/03/2023 21:40	5.2	265	10	7	0
09/03/2023 21:50	5	263	11	6.7	0
09/03/2023 22:00	4.6	264	11	5.8	0
09/03/2023 22:10	4.4	265	11	5.9	0
09/03/2023 22:20	4.3	264	13	5.7	0
09/03/2023 22:30	4.1	265	12	5.6	0
09/03/2023 22:40	4.7	262	9	6	0
09/03/2023 22:50	5	265	10	6.4	0
09/03/2023 23:00	4.4	264	10	6	0
09/03/2023 23:10	3.8	270	13	5.3	0
09/03/2023 23:20	4.3	264	11	5.7	0
09/03/2023 23:30	3.3	264	10	4.6	0
09/03/2023 23:40	3.7	264	11	4.9	0
09/03/2023 23:50	3.9	264	10	5.7	0
10/03/2023 00:00	3.8	265	13	5.2	0
10/03/2023 00:10	4.3	265	11	5.8	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/03/2023 00:20	4.6	262	10	6.2	0
10/03/2023 00:30	4.1	264	10	5.6	0
10/03/2023 00:40	4.3	263	9	5.6	0
10/03/2023 00:50	3.4	267	13	5.3	0
10/03/2023 01:00	3.3	268	12	4.6	0
10/03/2023 01:10	3.2	267	12	4.6	0
10/03/2023 01:20	3.3	269	13	4.6	0
10/03/2023 01:30	3.5	269	14	4.8	0
10/03/2023 01:40	3.7	265	12	5.2	0
10/03/2023 01:50	4	263	9	5.6	0
10/03/2023 02:00	3.9	262	11	5.6	0
10/03/2023 02:10	4.5	261	12	6.2	0
10/03/2023 02:20	4.9	260	11	6.4	0
10/03/2023 02:30	4.5	255	12	6.1	0
10/03/2023 02:40	4.7	256	11	6.7	0
10/03/2023 02:50	4.1	254	10	5.7	0
10/03/2023 03:00	4	243	12	5.7	0
10/03/2023 03:10	4.1	246	11	5.6	0
10/03/2023 03:20	3.4	231	15	4.8	0
10/03/2023 03:30	3.4	235	14	5	0
10/03/2023 03:40	3	236	13	4.3	0
10/03/2023 03:50	2.4	231	16	3.6	0
10/03/2023 04:00	2.4	235	12	3.2	0
10/03/2023 04:10	1.8	235	15	2.8	0
10/03/2023 04:20	1.2	234	14	2	0
10/03/2023 04:30	0.6	225	14	1.2	0
10/03/2023 04:40	0.1	156	10	0.4	0
10/03/2023 04:50	0.8	280	9	1.2	0
10/03/2023 05:00	1.2	263	12	1.6	0
10/03/2023 05:10	1.6	266	13	2	0
10/03/2023 05:20	1.6	269	13	2.3	0
10/03/2023 05:30	1.7	294	19	2.4	0
10/03/2023 05:40	1.7	326	34	3.6	0
10/03/2023 05:50	2.1	286	24	3.6	0
10/03/2023 06:00	2.5	247	10	3.1	0
10/03/2023 06:10	2.8	260	11	3.9	0
10/03/2023 06:20	2.7	261	11	3.6	0
10/03/2023 06:30	2.4	260	10	3.2	0
10/03/2023 06:40	1.6	241	13	2.4	0
10/03/2023 06:50	1.6	253	17	2.8	0
10/03/2023 07:00	2.6	262	12	3.6	0
10/03/2023 07:10	2.3	249	15	3.3	0
10/03/2023 07:20	2.9	250	15	4.1	0
10/03/2023 07:30	2.9	257	14	3.9	0
10/03/2023 07:40	3.5	257	13	4.8	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/03/2023 07:50	3.3	257	16	4.4	0
10/03/2023 08:00	3.6	253	13	5.2	0
10/03/2023 08:10	3.3	250	17	4.8	0
10/03/2023 08:20	3.3	251	16	4.5	0
10/03/2023 08:30	3.3	261	13	4.4	0
10/03/2023 08:40	3.5	241	14	5	0
10/03/2023 08:50	3.4	251	16	4.8	0
10/03/2023 09:00	3.5	243	15	5	0
10/03/2023 09:10	3.6	255	12	5.1	0
10/03/2023 09:20	3.5	271	15	4.8	0
10/03/2023 09:30	3.2	268	18	4.4	0
10/03/2023 09:40	3.4	264	15	5	0
10/03/2023 09:50	3.2	263	14	4.6	0
10/03/2023 10:00	3.2	277	16	4.4	0
10/03/2023 10:10	3.5	288	16	4.8	0
10/03/2023 10:20	3.3	272	19	4.5	0
10/03/2023 10:30	3.7	275	17	4.9	0
10/03/2023 10:40	3.5	288	17	5	0
10/03/2023 10:50	3.4	298	16	4.5	0
10/03/2023 11:00	3.2	276	22	4.3	0
10/03/2023 11:10	3.3	288	15	4.8	0
10/03/2023 11:20	3.4	291	16	4.5	0
10/03/2023 11:30	2.9	283	24	4	0
10/03/2023 11:40	3.1	294	13	4.5	0
10/03/2023 11:50	3.3	308	15	4.8	0
10/03/2023 12:00	3.7	306	13	4.8	0
10/03/2023 12:10	4.2	304	15	5.7	0
10/03/2023 12:20	3.4	315	20	5.2	0
10/03/2023 12:30	4.3	303	18	6.6	0
10/03/2023 12:40	4.5	300	11	6.5	0
10/03/2023 12:50	5	298	11	6.4	0
10/03/2023 13:00	5	296	10	6.4	0
10/03/2023 13:10	5.3	299	10	6.5	0
10/03/2023 13:20	5.2	297	10	6.9	0
10/03/2023 13:30	5.4	298	12	6.9	0
10/03/2023 13:40	5.7	295	11	7.2	0
10/03/2023 13:50	5	306	14	7.5	0
10/03/2023 14:00	4.6	310	17	6.3	0
10/03/2023 14:10	4.3	325	25	6.3	0
10/03/2023 14:20	4.1	320	22	6.1	0
10/03/2023 14:30	4.1	315	20	7.2	0
10/03/2023 14:40	4.3	311	18	6.8	0
10/03/2023 14:50	4.2	311	16	6.6	0
10/03/2023 15:00	4.9	309	15	7.4	0
10/03/2023 15:10	5.5	299	13	7.4	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/03/2023 15:20	6.2	297	10	7.5	0
10/03/2023 15:30	5.7	303	13	7.6	0
10/03/2023 15:40	6.2	295	11	7.8	0
10/03/2023 15:50	5.6	301	12	7.5	0
10/03/2023 16:00	5	301	13	6.8	0
10/03/2023 16:10	5.3	294	14	6.8	0
10/03/2023 16:20	4.8	287	12	6.2	0
10/03/2023 16:30	4.3	297	13	5.8	0
10/03/2023 16:40	4.7	299	12	6.4	0
10/03/2023 16:50	4.8	296	11	6.4	0
10/03/2023 17:00	4.9	294	14	6.7	0
10/03/2023 17:10	5.1	298	11	7.1	0
10/03/2023 17:20	5	294	14	6.8	0
10/03/2023 17:30	4.8	294	12	6.5	0
10/03/2023 17:40	4.9	294	12	6.7	0
10/03/2023 17:50	4.4	294	13	6.1	0
10/03/2023 18:00	4.7	294	13	6.6	0
10/03/2023 18:10	4.2	297	12	5.2	0
10/03/2023 18:20	3.8	290	14	5.2	0
10/03/2023 18:30	4	284	15	5.6	0
10/03/2023 18:40	4.4	260	11	5.6	0
10/03/2023 18:50	3.8	271	14	5	0
10/03/2023 19:00	5.3	264	10	7.2	0
10/03/2023 19:10	4.5	264	11	6.6	0
10/03/2023 19:20	5.1	266	9	6.6	0
10/03/2023 19:30	4.1	268	14	6.3	0
10/03/2023 19:40	3.8	291	13	5.6	0
10/03/2023 19:50	3.8	292	11	5.1	0
10/03/2023 20:00	4.3	297	14	6	0
10/03/2023 20:10	3.9	307	12	5.7	0
10/03/2023 20:20	3.8	306	14	5.4	0
10/03/2023 20:30	4.2	301	11	6	0
10/03/2023 20:40	4	289	15	5.2	0
10/03/2023 20:50	4	289	16	5.5	0
10/03/2023 21:00	4.4	294	14	6.1	0
10/03/2023 21:10	4.4	297	12	5.9	0
10/03/2023 21:20	3.9	293	14	5.6	0
10/03/2023 21:30	4.2	296	12	5.6	0
10/03/2023 21:40	4.2	295	11	5.6	0
10/03/2023 21:50	4.2	300	10	5.5	0
10/03/2023 22:00	3.8	297	10	4.9	0
10/03/2023 22:10	3.5	297	12	4.8	0
10/03/2023 22:20	3	292	12	4.6	0
10/03/2023 22:30	2.8	284	15	4.1	0
10/03/2023 22:40	2.6	275	14	3.5	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/03/2023 22:50	2.5	272	14	3.6	0
10/03/2023 23:00	3.3	268	10	4.2	0
10/03/2023 23:10	3.3	265	10	4.4	0
10/03/2023 23:20	3.1	258	11	4.1	0
10/03/2023 23:30	2.9	249	13	4	0
10/03/2023 23:40	2.8	252	11	3.8	0
10/03/2023 23:50	1.8	242	13	2.8	0
11/03/2023 00:00	1.2	238	17	1.9	0
11/03/2023 00:10	1.4	228	17	2	0
11/03/2023 00:20	1.4	221	16	2.1	0
11/03/2023 00:30	1.8	218	13	2.4	0
11/03/2023 00:40	1.4	216	18	2	0
11/03/2023 00:50	1.7	213	27	2.5	0
11/03/2023 01:00	2.2	217	19	3.1	0
11/03/2023 01:10	2.3	222	38	2.9	0
11/03/2023 01:20	2.4	216	33	3.3	0
11/03/2023 01:30	1.4	236	60	2	0
11/03/2023 01:40	1	232	76	1.6	0
11/03/2023 01:50	1	237	68	1.7	0
11/03/2023 02:00	1.1	220	81	2	0
11/03/2023 02:10	1.2	219	78	2.2	0
11/03/2023 02:20	1.3	226	69	2.3	0
11/03/2023 02:30	1.3	238	76	2.3	0
11/03/2023 02:40	1.3	233	83	1.9	0
11/03/2023 02:50	1.4	234	61	2.3	0
11/03/2023 03:00	1	219	82	1.6	0
11/03/2023 03:10	0.8	340	76	1.2	0
11/03/2023 03:20	0.8	329	74	1.3	0
11/03/2023 03:30	0.9	309	64	1.4	0
11/03/2023 03:40	1	283	68	1.6	0
11/03/2023 03:50	1	201	60	1.4	0
11/03/2023 04:00	1.1	355	59	1.6	0
11/03/2023 04:10	1.2	179	66	1.7	0
11/03/2023 04:20	1.4	354	79	2.6	0
11/03/2023 04:30	1.4	350	73	2.1	0
11/03/2023 04:40	1.2	6	79	1.8	0
11/03/2023 04:50	1.4	176	65	2.2	0
11/03/2023 05:00	1.3	348	59	2	0
11/03/2023 05:10	1.2	21	69	1.8	0
11/03/2023 05:20	1.1	332	71	2	0
11/03/2023 05:30	1.4	269	81	2.6	0
11/03/2023 05:40	1.7	228	58	2.8	0
11/03/2023 05:50	1.2	328	76	2	0
11/03/2023 06:00	1.1	340	75	1.9	0
11/03/2023 06:10	1.2	246	71	2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/03/2023 06:20	1.2	240	71	2	0
11/03/2023 06:30	1.2	213	71	2.1	0
11/03/2023 06:40	0.9	172	90	1.4	0
11/03/2023 06:50	1	214	92	2	0
11/03/2023 07:00	1	162	88	1.8	0
11/03/2023 07:10	1.1	306	75	1.8	0
11/03/2023 07:20	1.1	172	79	1.7	0
11/03/2023 07:30	1.2	89	73	2	0
11/03/2023 07:40	1.8	144	43	2.5	0
11/03/2023 07:50	1.9	145	39	3	0
11/03/2023 08:00	2.4	149	37	3.6	0
11/03/2023 08:10	2.7	145	29	4.3	0
11/03/2023 08:20	3	147	32	4.9	0
11/03/2023 08:30	3.2	143	32	4.8	0
11/03/2023 08:40	3.5	143	29	5.3	0
11/03/2023 08:50	3.8	141	24	5.6	0
11/03/2023 09:00	3.8	143	28	5.5	0
11/03/2023 09:10	4	140	21	5.7	0
11/03/2023 09:20	4.4	134	18	6.5	0
11/03/2023 09:30	4.4	140	17	6.4	0
11/03/2023 09:40	4	139	19	5.7	0
11/03/2023 09:50	3.8	137	20	5.7	0
11/03/2023 10:00	3.5	141	23	4.8	0
11/03/2023 10:10	3.8	131	17	5.2	0
11/03/2023 10:20	3.1	137	28	4.8	0
11/03/2023 10:30	3.1	132	17	5	0
11/03/2023 10:40	3.1	136	20	4.6	0
11/03/2023 10:50	3	129	20	4.3	0
11/03/2023 11:00	3.2	122	17	4.5	0
11/03/2023 11:10	3.6	122	16	5.1	0
11/03/2023 11:20	3.6	124	19	5.1	0
11/03/2023 11:30	3.1	129	20	5	0
11/03/2023 11:40	3.3	112	15	4.9	0
11/03/2023 11:50	3.2	105	17	4.4	0
11/03/2023 12:00	3.1	109	19	4.6	0
11/03/2023 12:10	3	112	25	4.6	0
11/03/2023 12:20	3.1	98	14	4.4	0
11/03/2023 12:30	3.4	100	15	5.2	0
11/03/2023 12:40	2.9	112	31	5	0
11/03/2023 12:50	2.5	112	23	4	0
11/03/2023 13:00	2.1	122	52	3.9	0
11/03/2023 13:10	2.6	103	35	4.1	0
11/03/2023 13:20	1.5	87	78	3.2	0
11/03/2023 13:30	3.2	317	22	4.2	0
11/03/2023 13:40	3.8	302	23	4.9	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/03/2023 13:50	3.9	301	13	5.3	0
11/03/2023 14:00	4.4	288	13	6.1	0
11/03/2023 14:10	4.9	285	16	6.6	0
11/03/2023 14:20	4.7	284	18	6.3	0
11/03/2023 14:30	4.9	272	18	6.8	0
11/03/2023 14:40	4.4	288	16	5.9	0
11/03/2023 14:50	4.6	288	15	6.3	0
11/03/2023 15:00	4.9	297	10	6.4	0
11/03/2023 15:10	4.4	292	15	5.7	0
11/03/2023 15:20	4.1	277	19	5.5	0
11/03/2023 15:30	4.8	256	17	6.7	0
11/03/2023 15:40	5.1	262	12	6.9	0
11/03/2023 15:50	4.9	259	12	6.8	0
11/03/2023 16:00	5.5	259	12	7.1	0
11/03/2023 16:10	6.1	261	10	7.5	0
11/03/2023 16:20	6.2	260	12	8	0
11/03/2023 16:30	6.6	259	12	8.4	0
11/03/2023 16:40	6.1	261	12	9.1	0
11/03/2023 16:50	6.5	260	11	8.3	0
11/03/2023 17:00	5.7	256	13	7.6	0
11/03/2023 17:10	5.5	258	14	7	0
11/03/2023 17:20	5.9	260	9	8	0
11/03/2023 17:30	5.9	264	10	7.8	0
11/03/2023 17:40	5.5	261	9	6.8	0
11/03/2023 17:50	5.7	262	10	7.1	0
11/03/2023 18:00	4.8	261	10	6.2	0
11/03/2023 18:10	4.2	271	15	5.6	0
11/03/2023 18:20	4	272	15	5.3	0
11/03/2023 18:30	3.4	288	17	4.8	0
11/03/2023 18:40	3.8	292	13	5.3	0
11/03/2023 18:50	3.5	296	14	5.3	0
11/03/2023 19:00	3.2	281	15	4.8	0
11/03/2023 19:10	4	261	9	5.2	0
11/03/2023 19:20	4.2	270	12	6	0
11/03/2023 19:30	3.5	272	13	4.7	0
11/03/2023 19:40	3.9	287	13	5.3	0
11/03/2023 19:50	4	285	14	6	0
11/03/2023 20:00	4.2	270	13	5.6	0
11/03/2023 20:10	4.1	267	12	5.2	0
11/03/2023 20:20	4.2	268	12	5.6	0
11/03/2023 20:30	4.3	268	13	5.6	0
11/03/2023 20:40	4.2	267	12	5.2	0
11/03/2023 20:50	4.4	266	10	6	0
11/03/2023 21:00	4.3	265	11	5.4	0
11/03/2023 21:10	4.6	262	9	6.3	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/03/2023 21:20	4.7	265	11	5.9	0
11/03/2023 21:30	4.5	264	11	6.4	0
11/03/2023 21:40	4.8	266	11	6.4	0
11/03/2023 21:50	4.6	265	12	6.1	0
11/03/2023 22:00	4.1	267	11	5.4	0
11/03/2023 22:10	4.2	268	12	5.5	0
11/03/2023 22:20	4.4	267	11	6.2	0
11/03/2023 22:30	4.4	265	9	5.8	0
11/03/2023 22:40	4.5	263	9	6	0
11/03/2023 22:50	4.3	267	12	6	0
11/03/2023 23:00	4.5	265	11	6	0
11/03/2023 23:10	4.6	262	9	6.1	0
11/03/2023 23:20	5	263	11	6.4	0
11/03/2023 23:30	4.6	260	11	6.2	0
11/03/2023 23:40	4.9	261	10	6.5	0
11/03/2023 23:50	4.8	260	11	6.8	0
12/03/2023 00:00	4.9	264	9	6	0
12/03/2023 00:10	4.5	264	8	5.5	0
12/03/2023 00:20	4.1	259	9	5.5	0
12/03/2023 00:30	4.1	260	10	5.2	0
12/03/2023 00:40	3.5	264	8	4.8	0
12/03/2023 00:50	3.8	258	9	5.5	0
12/03/2023 01:00	3.4	261	11	4.6	0
12/03/2023 01:10	3.3	255	11	4.5	0
12/03/2023 01:20	2.8	250	13	4	0
12/03/2023 01:30	3.7	254	11	4.9	0
12/03/2023 01:40	3.2	246	12	4.5	0
12/03/2023 01:50	3.5	252	11	4.6	0
12/03/2023 02:00	3.4	252	12	4.4	0
12/03/2023 02:10	4.3	255	12	5.7	0
12/03/2023 02:20	4.2	257	11	5.4	0
12/03/2023 02:30	4.4	258	10	5.8	0
12/03/2023 02:40	4	255	10	5.4	0
12/03/2023 02:50	3.7	258	12	4.8	0
12/03/2023 03:00	2.9	256	13	4	0
12/03/2023 03:10	3.9	258	11	5.2	0
12/03/2023 03:20	3.7	254	12	5.2	0
12/03/2023 03:30	2.8	253	11	3.8	0
12/03/2023 03:40	3	258	9	4	0
12/03/2023 03:50	2.7	259	8	3.6	0
12/03/2023 04:00	3.1	259	9	3.7	0
12/03/2023 04:10	2.9	259	8	3.8	0
12/03/2023 04:20	2.9	259	9	3.7	0
12/03/2023 04:30	3.1	255	8	4.1	0
12/03/2023 04:40	2.9	257	9	3.8	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/03/2023 04:50	2.8	253	9	3.3	0
12/03/2023 05:00	2.7	253	9	3.5	0
12/03/2023 05:10	2.2	253	10	2.9	0
12/03/2023 05:20	2.2	258	11	3.2	0
12/03/2023 05:30	0.7	229	16	1.4	0
12/03/2023 05:40	0.7	244	25	1.5	0
12/03/2023 05:50	0.8	235	22	1.9	0
12/03/2023 06:00	0.9	234	17	1.6	0
12/03/2023 06:10	1.7	242	10	2.4	0
12/03/2023 06:20	1	242	12	1.3	0
12/03/2023 06:30	0.3	268	13	0.9	0
12/03/2023 06:40	0.5	256	21	0.8	0
12/03/2023 06:50	0.5	249	7	0.9	0
12/03/2023 07:00	0.7	215	20	0.9	0
12/03/2023 07:10	0.1	123	1	0.5	0
12/03/2023 07:20	0.4	78	7	0.9	0
12/03/2023 07:30	0.8	99	12	1.1	0
12/03/2023 07:40	0.7	178	34	1	0
12/03/2023 07:50	0.5	197	49	0.9	0
12/03/2023 08:00	1.1	236	15	1.6	0
12/03/2023 08:10	1.4	246	17	1.8	0
12/03/2023 08:20	1.3	225	15	1.9	0
12/03/2023 08:30	1.2	210	39	2	0
12/03/2023 08:40	1.6	151	37	3	0
12/03/2023 08:50	2.5	135	20	3.6	0
12/03/2023 09:00	2.5	134	20	3.4	0
12/03/2023 09:10	2.9	98	16	3.8	0
12/03/2023 09:20	2.7	99	12	3.7	0
12/03/2023 09:30	3	96	15	4.4	0
12/03/2023 09:40	2.9	108	17	3.6	0
12/03/2023 09:50	3.1	101	15	4.2	0
12/03/2023 10:00	3.1	90	15	4.5	0
12/03/2023 10:10	3.4	87	13	4.4	0
12/03/2023 10:20	3.2	97	16	4.7	0
12/03/2023 10:30	3.5	102	17	4.9	0
12/03/2023 10:40	2.9	88	18	4.4	0
12/03/2023 10:50	3.2	88	18	4.8	0
12/03/2023 11:00	3.3	75	16	4.7	0
12/03/2023 11:10	4	78	13	5.7	0
12/03/2023 11:20	4	81	16	5.7	0
12/03/2023 11:30	3.6	81	21	5.6	0
12/03/2023 11:40	4.2	83	13	5.6	0
12/03/2023 11:50	4.1	78	15	5.8	0
12/03/2023 12:00	4.6	79	13	6.1	0
12/03/2023 12:10	4.5	75	14	6.5	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/03/2023 12:20	4.7	80	13	6	0
12/03/2023 12:30	4.3	80	14	6	0
12/03/2023 12:40	4.3	71	16	6.2	0
12/03/2023 12:50	4.8	79	14	6.8	0
12/03/2023 13:00	5.4	76	12	7.4	0
12/03/2023 13:10	5.5	78	12	7.4	0
12/03/2023 13:20	5.6	78	12	7.5	0
12/03/2023 13:30	6.3	77	9	8.7	0
12/03/2023 13:40	6.2	79	13	8.2	0
12/03/2023 13:50	5.4	74	13	7.3	0
12/03/2023 14:00	5.9	68	13	8.2	0
12/03/2023 14:10	5.8	68	13	8.2	0
12/03/2023 14:20	5.9	68	12	7.8	0
12/03/2023 14:30	5.7	64	12	7.5	0
12/03/2023 14:40	6.3	59	13	8.5	0
12/03/2023 14:50	6.3	64	11	7.9	0
12/03/2023 15:00	5.9	70	13	7.5	0
12/03/2023 15:10	5.5	67	12	7.2	0
12/03/2023 15:20	4.8	52	13	6.2	0
12/03/2023 15:30	4.7	39	17	7.2	0
12/03/2023 15:40	4.5	43	13	6.2	0
12/03/2023 15:50	4.6	38	13	6.1	0
12/03/2023 16:00	5	43	13	6.7	0
12/03/2023 16:10	4.5	37	16	6.2	0
12/03/2023 16:20	3.6	183	24	5.6	0
12/03/2023 16:30	4	353	17	5.6	0
12/03/2023 16:40	3.7	189	19	5.5	0
12/03/2023 16:50	3.5	8	18	5.4	0
12/03/2023 17:00	3.7	6	22	5.5	0
12/03/2023 17:10	3.4	354	19	5.1	0
12/03/2023 17:20	3.6	181	20	5.3	0
12/03/2023 17:30	3.5	6	18	5	0
12/03/2023 17:40	3.1	342	24	4.4	0
12/03/2023 17:50	3.3	351	24	5.1	0
12/03/2023 18:00	2.8	337	24	4.3	0
12/03/2023 18:10	3	317	21	5.1	0
12/03/2023 18:20	3.6	318	17	5.3	0
12/03/2023 18:30	4.4	308	14	5.9	0
12/03/2023 18:40	4.6	297	12	6.4	0
12/03/2023 18:50	5	297	9	6.2	0
12/03/2023 19:00	4.7	296	9	5.8	0
12/03/2023 19:10	3.7	296	10	5.2	0
12/03/2023 19:20	3.5	275	16	4.7	0
12/03/2023 19:30	3.5	276	14	4.4	0
12/03/2023 19:40	3.1	281	16	4.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/03/2023 19:50	3.3	265	11	4.7	0
12/03/2023 20:00	3.1	267	12	4.3	0
12/03/2023 20:10	3.4	261	10	4.5	0
12/03/2023 20:20	3.6	261	9	4.4	0
12/03/2023 20:30	3.9	262	9	4.8	0
12/03/2023 20:40	3.5	258	10	4.7	0
12/03/2023 20:50	3.4	263	8	4.5	0
12/03/2023 21:00	3.8	260	9	5.1	0
12/03/2023 21:10	3.9	264	9	5	0
12/03/2023 21:20	3.2	254	12	4.9	0
12/03/2023 21:30	3.2	260	11	4.4	0
12/03/2023 21:40	3.8	260	10	4.6	0
12/03/2023 21:50	3.2	263	10	4.3	0
12/03/2023 22:00	3.7	262	8	4.6	0
12/03/2023 22:10	3.2	263	10	4.3	0
12/03/2023 22:20	3.6	261	8	4.6	0
12/03/2023 22:30	4	258	10	5.1	0
12/03/2023 22:40	3.9	260	8	4.9	0
12/03/2023 22:50	3.6	263	9	4.5	0
12/03/2023 23:00	3.6	264	9	4.4	0
12/03/2023 23:10	3.4	262	8	4.6	0
12/03/2023 23:20	2.6	257	11	3.4	0
12/03/2023 23:30	2.9	261	9	4	0
12/03/2023 23:40	2.3	257	11	3	0
12/03/2023 23:50	2.7	260	11	3.4	0
13/03/2023 00:00	2.8	261	9	3.8	0
13/03/2023 00:10	2.5	260	11	3.2	0
13/03/2023 00:20	2.5	260	9	3.2	0
13/03/2023 00:30	1.8	243	15	2.5	0
13/03/2023 00:40	1.4	237	12	1.7	0
13/03/2023 00:50	1.6	236	14	2.1	0
13/03/2023 01:00	1.6	234	14	2.4	0
13/03/2023 01:10	0.7	237	15	1.3	0
13/03/2023 01:20	0.8	239	18	1.2	0
13/03/2023 01:30	1.6	251	13	2.2	0
13/03/2023 01:40	1.4	277	10	2.1	0
13/03/2023 01:50	1.2	269	11	1.9	0
13/03/2023 02:00	1.1	234	27	1.8	0
13/03/2023 02:10	2.1	251	12	3.3	0
13/03/2023 02:20	1.9	252	12	2.4	0
13/03/2023 02:30	1.8	253	11	2.5	0
13/03/2023 02:40	1.8	260	9	2.2	0
13/03/2023 02:50	1.7	265	7	2.2	0
13/03/2023 03:00	1.8	260	7	2.2	0
13/03/2023 03:10	0.7	251	6	1.6	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/03/2023 03:20					0
13/03/2023 03:30	0	232	2	0.4	0
13/03/2023 03:40					0
13/03/2023 03:50	0.1	69	3	0.4	0
13/03/2023 04:00	0	228	3	0.4	0
13/03/2023 04:10	0.7	298	18	1.3	0
13/03/2023 04:20	1.1	283	13	1.9	0
13/03/2023 04:30	1	280	13	1.7	0
13/03/2023 04:40	1.8	297	9	2.6	0
13/03/2023 04:50	0.9	301	22	1.5	0
13/03/2023 05:00	1.2	300	17	2	0
13/03/2023 05:10	0.7	318	13	1.7	0
13/03/2023 05:20	0.4	44	15	1	0
13/03/2023 05:30	0.5	45	12	1	0
13/03/2023 05:40	0.5	10	13	0.9	0
13/03/2023 05:50	1	23	14	1.6	0
13/03/2023 06:00	1	58	15	1.5	0
13/03/2023 06:10	1.2	51	12	1.7	0
13/03/2023 06:20	0.9	49	12	1.5	0
13/03/2023 06:30	0.9	188	15	1.2	0
13/03/2023 06:40	1	30	20	1.6	0
13/03/2023 06:50	1.5	35	16	2.2	0
13/03/2023 07:00	1.8	20	18	2.6	0
13/03/2023 07:10	2	23	16	2.9	0
13/03/2023 07:20	2	24	16	3.2	0
13/03/2023 07:30	2.1	17	19	3.4	0
13/03/2023 07:40	2.3	20	17	3.3	0
13/03/2023 07:50	2.3	21	16	3.5	0
13/03/2023 08:00	2.4	10	21	3.5	0
13/03/2023 08:10	2.2	18	24	3.4	0
13/03/2023 08:20	2	181	29	2.9	0
13/03/2023 08:30	2.5	14	20	3.5	0
13/03/2023 08:40	2.1	6	26	3.2	0
13/03/2023 08:50	1.8	178	22	2.8	0
13/03/2023 09:00	1.6	155	30	2.5	0
13/03/2023 09:10	1.7	340	30	2.7	0
13/03/2023 09:20	1.7	166	23	2.8	0
13/03/2023 09:30	1.9	16	25	3.2	0
13/03/2023 09:40	2.2	69	21	3.4	0
13/03/2023 09:50	2.8	75	15	4.4	0
13/03/2023 10:00	2.8	78	22	3.9	0
13/03/2023 10:10	3.3	85	12	4.4	0
13/03/2023 10:20	3.2	75	15	4.6	0
13/03/2023 10:30	3	85	22	4.8	0
13/03/2023 10:40	3.4	87	14	4.7	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/03/2023 10:50	3.5	89	15	4.7	0
13/03/2023 11:00	3.6	68	20	4.9	0
13/03/2023 11:10	3.8	87	15	5.4	0
13/03/2023 11:20	3.6	78	20	5.2	0
13/03/2023 11:30	3	70	17	4.5	0
13/03/2023 11:40	3.4	62	15	5.2	0
13/03/2023 11:50	2.7	200	32	4.4	0
13/03/2023 12:00	2	191	34	3.7	0
13/03/2023 12:10	3.2	350	24	4.5	0
13/03/2023 12:20	3.7	347	20	5.2	0
13/03/2023 12:30	3.3	4	22	5.1	0
13/03/2023 12:40	3.3	351	25	4.6	0
13/03/2023 12:50	3.3	345	24	4.4	0
13/03/2023 13:00	3.2	173	23	5	0
13/03/2023 13:10	3.4	183	20	5.4	0
13/03/2023 13:20	3.5	177	24	5	0
13/03/2023 13:30	3.5	178	21	5.3	0
13/03/2023 13:40	3.5	184	24	5.2	0
13/03/2023 13:50	3.8	171	20	5.5	0
13/03/2023 14:00	3.7	353	24	5.7	0
13/03/2023 14:10	3.6	177	24	5.3	0
13/03/2023 14:20	4.1	335	23	7.2	0
13/03/2023 14:30	4	343	24	5.9	0
13/03/2023 14:40	3.6	353	28	5.8	0
13/03/2023 14:50	3.6	347	18	5.4	0
13/03/2023 15:00	3.8	342	22	5.2	0
13/03/2023 15:10	3.9	340	21	5.7	0
13/03/2023 15:20	3.4	351	22	5.1	0
13/03/2023 15:30	3.5	181	21	5.4	0
13/03/2023 15:40	3.6	349	26	5.3	0
13/03/2023 15:50	3.8	356	24	5.8	0
13/03/2023 16:00	3.9	348	25	5.7	0
13/03/2023 16:10	3.8	352	25	6.7	0
13/03/2023 16:20	4.3	348	24	6.1	0
13/03/2023 16:30	4.7	348	17	6.7	0
13/03/2023 16:40	4.7	351	16	6.8	0
13/03/2023 16:50	4.1	357	21	5.7	0
13/03/2023 17:00	4.3	352	20	6.4	0
13/03/2023 17:10	5.1	350	21	7.1	0
13/03/2023 17:20	4.4	180	23	6.7	0
13/03/2023 17:30	4.8	3	19	6.9	0
13/03/2023 17:40	4	355	22	6.1	0
13/03/2023 17:50	3.7	326	23	6.1	0
13/03/2023 18:00	3.2	319	22	6.4	0
13/03/2023 18:10	4.5	308	14	6.9	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/03/2023 18:20	5	305	12	7.2	0
13/03/2023 18:30	5.2	306	12	7.5	0
13/03/2023 18:40	5.5	305	11	7.7	0
13/03/2023 18:50	5.6	299	11	7	0
13/03/2023 19:00	5.5	297	11	7.3	0
13/03/2023 19:10	5.3	302	11	7.3	0
13/03/2023 19:20	5.4	302	11	7	0
13/03/2023 19:30	5	301	11	6.4	0
13/03/2023 19:40	4.9	295	11	6.4	0
13/03/2023 19:50	4.4	291	13	5.7	0
13/03/2023 20:00	4.8	293	13	6.2	0
13/03/2023 20:10	4.8	294	10	6.1	0
13/03/2023 20:20	4.1	286	17	5.6	0
13/03/2023 20:30	3.7	282	15	5.2	0
13/03/2023 20:40	3.6	281	17	5.3	0
13/03/2023 20:50	3.6	280	17	5	0
13/03/2023 21:00	3.9	288	14	5.6	0
13/03/2023 21:10	3.9	276	16	5.2	0
13/03/2023 21:20	3.7	275	15	5.3	0
13/03/2023 21:30	3.9	266	11	5.3	0
13/03/2023 21:40	3.9	265	13	5.1	0
13/03/2023 21:50	3.3	267	14	4.4	0
13/03/2023 22:00	3.4	267	14	5.1	0
13/03/2023 22:10	3.6	263	11	4.8	0
13/03/2023 22:20	3.4	270	12	4.7	0
13/03/2023 22:30	3.8	265	12	5.1	0
13/03/2023 22:40	4.4	263	9	5.8	0
13/03/2023 22:50	4	264	11	5.6	0
13/03/2023 23:00	4.3	263	10	5.7	0
13/03/2023 23:10	3.5	256	11	4.8	0
13/03/2023 23:20	3.6	262	10	5.2	0
13/03/2023 23:30	4	263	9	5.7	0
13/03/2023 23:40	3.3	260	10	4.9	0
13/03/2023 23:50	3	258	10	4.3	0
14/03/2023 00:00	3.4	255	10	4.6	0
14/03/2023 00:10	3.4	254	11	4.5	0
14/03/2023 00:20	3.2	252	13	4.4	0
14/03/2023 00:30	2.9	252	12	4.4	0
14/03/2023 00:40	2.7	232	16	4.2	0
14/03/2023 00:50	2.7	224	13	4	0
14/03/2023 01:00	2.4	230	14	3.6	0
14/03/2023 01:10	2.2	232	17	3.3	0
14/03/2023 01:20	2	233	14	3.1	0
14/03/2023 01:30	2.4	233	15	3.8	0
14/03/2023 01:40	2.5	239	14	3.6	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/03/2023 01:50	2.7	238	12	3.8	0
14/03/2023 02:00	2.9	232	13	4.5	0
14/03/2023 02:10	3.1	238	13	4.1	0
14/03/2023 02:20	2.8	245	13	3.9	0
14/03/2023 02:30	3.3	246	11	4.5	0
14/03/2023 02:40	2.8	245	13	4.1	0
14/03/2023 02:50	2.8	244	14	4.1	0
14/03/2023 03:00	2.6	251	11	4	0
14/03/2023 03:10	3.4	244	13	5.2	0
14/03/2023 03:20	3.2	246	12	4.9	0
14/03/2023 03:30	3.4	243	13	5	0
14/03/2023 03:40	3.6	244	13	5.1	0
14/03/2023 03:50	3.2	241	14	4.6	0
14/03/2023 04:00	2.7	237	12	4	0
14/03/2023 04:10	3.2	238	12	4.6	0
14/03/2023 04:20	2.8	233	15	4.3	0
14/03/2023 04:30	2.3	232	15	3.6	0
14/03/2023 04:40	2.4	233	16	4	0
14/03/2023 04:50	2.9	240	12	4.3	0
14/03/2023 05:00	2.6	240	13	3.7	0
14/03/2023 05:10	2	237	15	3.1	0
14/03/2023 05:20	1.5	231	15	2.6	0
14/03/2023 05:30	1.6	228	14	2.4	0
14/03/2023 05:40	1.6	238	11	2.3	0
14/03/2023 05:50	1.3	236	13	2	0
14/03/2023 06:00	1.7	237	12	2.4	0
14/03/2023 06:10	1.5	229	14	2.3	0
14/03/2023 06:20	1	225	12	1.7	0
14/03/2023 06:30	0.4	225	13	1.2	0
14/03/2023 06:40	0.9	214	14	1.4	0
14/03/2023 06:50	0.1	218	6	0.8	0
14/03/2023 07:00	0.1	255	9	0.6	0
14/03/2023 07:10	1.6	236	15	2.7	0
14/03/2023 07:20	2.2	231	14	3.1	0
14/03/2023 07:30	2.1	227	14	3.2	0
14/03/2023 07:40	1.6	240	19	2.6	0
14/03/2023 07:50	1.7	235	22	2.4	0
14/03/2023 08:00	1.1	216	29	2	0
14/03/2023 08:10	1.4	232	20	2.3	0
14/03/2023 08:20	0.9	159	43	1.6	0
14/03/2023 08:30	0.9	161	44	1.6	0
14/03/2023 08:40	0.9	174	51	1.5	0
14/03/2023 08:50	1.1	56	48	2.1	0
14/03/2023 09:00	1.5	78	33	2.2	0
14/03/2023 09:10	1.5	331	36	2.5	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/03/2023 09:20	2.4	301	15	3.3	0
14/03/2023 09:30	1.9	306	21	3.2	0
14/03/2023 09:40	2.8	293	15	3.6	0
14/03/2023 09:50	2.4	298	20	3.4	0
14/03/2023 10:00	1.9	288	24	3.2	0
14/03/2023 10:10	1.7	18	34	3	0
14/03/2023 10:20	1.9	170	28	3.1	0
14/03/2023 10:30	2.4	73	29	4	0
14/03/2023 10:40	2.4	67	31	4.1	0
14/03/2023 10:50	3.2	89	18	4.7	0
14/03/2023 11:00	3	91	19	4.6	0
14/03/2023 11:10	3.2	88	16	4.4	0
14/03/2023 11:20	2.9	78	20	4.4	0
14/03/2023 11:30	2.1	36	69	4	0
14/03/2023 11:40	2.7	355	22	4.1	0
14/03/2023 11:50	3	358	24	4.4	0
14/03/2023 12:00	3.5	16	17	5.1	0
14/03/2023 12:10	3.8	181	20	5.8	0
14/03/2023 12:20	3.7	345	28	5.7	0
14/03/2023 12:30	3.8	348	24	5.6	0
14/03/2023 12:40	3.6	344	21	5.1	0
14/03/2023 12:50	3.9	347	20	6.4	0
14/03/2023 13:00	4.3	344	21	6.3	0
14/03/2023 13:10	4.3	347	21	6	0
14/03/2023 13:20	4.5	351	23	6.9	0
14/03/2023 13:30	4.3	351	24	6.4	0
14/03/2023 13:40	4.7	348	21	6.5	0
14/03/2023 13:50	4.7	349	25	6.9	0
14/03/2023 14:00	4.6	346	21	7.2	0
14/03/2023 14:10	4.3	354	22	6.1	0
14/03/2023 14:20	4.9	351	17	6.8	0
14/03/2023 14:30	4.1	177	21	6.3	0
14/03/2023 14:40	4.8	351	21	7.3	0
14/03/2023 14:50	4.7	348	17	6.7	0
14/03/2023 15:00	4.3	351	24	6.4	0
14/03/2023 15:10	5.1	310	19	7.1	0
14/03/2023 15:20	5.7	305	14	7.6	0
14/03/2023 15:30	4.4	309	20	7	0
14/03/2023 15:40	5.3	302	16	7.4	0
14/03/2023 15:50	5.2	302	15	7.5	0
14/03/2023 16:00	5.5	302	13	8	0
14/03/2023 16:10	6.5	298	10	8.4	0
14/03/2023 16:20	6.5	296	11	8.5	0
14/03/2023 16:30	6.3	297	12	8.3	0
14/03/2023 16:40	6.3	293	11	8.1	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/03/2023 16:50	6	300	12	7.9	0
14/03/2023 17:00	6.6	296	11	8.2	0
14/03/2023 17:10	5.7	296	13	8.2	0
14/03/2023 17:20	6.1	298	11	7.5	0
14/03/2023 17:30	5.7	294	12	7.5	0
14/03/2023 17:40	5.8	293	12	7.3	0
14/03/2023 17:50	5.4	293	14	7.4	0
14/03/2023 18:00	5.2	293	12	7.2	0
14/03/2023 18:10	5.1	296	14	6.8	0
14/03/2023 18:20	4.7	288	16	6.5	0
14/03/2023 18:30	4.4	284	15	6.4	0
14/03/2023 18:40	4.1	282	14	6	0
14/03/2023 18:50	4.5	290	15	6.5	0
14/03/2023 19:00	3.8	284	16	5.8	0
14/03/2023 19:10	4.2	288	15	5.8	0
14/03/2023 19:20	4.1	286	16	5.8	0
14/03/2023 19:30	3.6	283	17	5.4	0
14/03/2023 19:40	3.6	275	16	5.3	0
14/03/2023 19:50	3.7	265	12	5.4	0
14/03/2023 20:00	3.7	269	13	5.1	0
14/03/2023 20:10	3.7	263	12	5.2	0
14/03/2023 20:20	4.1	264	11	5.6	0
14/03/2023 20:30	3.4	268	12	4.7	0
14/03/2023 20:40	4	263	11	6	0
14/03/2023 20:50	4.4	265	10	5.8	0
14/03/2023 21:00	3.6	262	10	5	0
14/03/2023 21:10	3.7	262	9	5	0
14/03/2023 21:20	3.6	265	11	5	0
14/03/2023 21:30	4.4	262	9	5.5	0
14/03/2023 21:40	4.3	264	8	5.6	0
14/03/2023 21:50	4	261	9	5.2	0
14/03/2023 22:00	3.9	262	10	5.3	0
14/03/2023 22:10	4	264	9	5.6	0
14/03/2023 22:20	3.8	261	11	4.9	0
14/03/2023 22:30	3.9	260	10	5.2	0
14/03/2023 22:40	3.7	262	11	5.2	0
14/03/2023 22:50	3.9	263	11	4.8	0
14/03/2023 23:00	3.9	262	10	5.6	0
14/03/2023 23:10	3.8	261	11	5.5	0
14/03/2023 23:20	3.5	263	9	4.8	0
14/03/2023 23:30	3.2	256	10	4.6	0
14/03/2023 23:40	3.4	253	12	4.8	0
14/03/2023 23:50	2.6	255	11	3.6	0
15/03/2023 00:00	2.7	251	12	4	0
15/03/2023 00:10	2.6	244	15	3.7	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/03/2023 00:20	2.2	227	16	3.2	0
15/03/2023 00:30	2.1	234	12	3.2	0
15/03/2023 00:40	2.1	229	13	3.2	0
15/03/2023 00:50	2.5	240	14	3.6	0
15/03/2023 01:00	2.4	234	11	4	0
15/03/2023 01:10	2.1	239	14	3.4	0
15/03/2023 01:20	2.3	251	12	3.3	0
15/03/2023 01:30	2.7	251	12	3.7	0
15/03/2023 01:40	2.5	243	10	3.2	0
15/03/2023 01:50	2	240	11	2.6	0
15/03/2023 02:00	2.3	249	12	3	0
15/03/2023 02:10	2.1	245	12	3.1	0
15/03/2023 02:20	1.7	236	12	2.4	0
15/03/2023 02:30	2.1	234	13	3	0
15/03/2023 02:40	1.8	230	13	2.5	0
15/03/2023 02:50	1.9	234	13	2.4	0
15/03/2023 03:00	2.6	236	12	3.6	0
15/03/2023 03:10	2.5	239	12	3.5	0
15/03/2023 03:20	2.5	232	14	3.3	0
15/03/2023 03:30	2.5	235	13	3.8	0
15/03/2023 03:40	2.4	236	12	3.6	0
15/03/2023 03:50	2.5	242	12	3.5	0
15/03/2023 04:00	2.6	234	14	3.7	0
15/03/2023 04:10	2.5	237	13	3.2	0
15/03/2023 04:20	2.5	240	13	3.2	0
15/03/2023 04:30	2.3	240	13	3.5	0
15/03/2023 04:40	2.4	243	14	3.6	0
15/03/2023 04:50	2.8	235	12	4.1	0
15/03/2023 05:00	2.7	240	15	4.1	0
15/03/2023 05:10	2.8	241	13	4.2	0
15/03/2023 05:20	2.8	248	13	4	0
15/03/2023 05:30	3	254	12	3.9	0
15/03/2023 05:40	2.9	248	12	4.2	0
15/03/2023 05:50	3.2	242	13	4.5	0
15/03/2023 06:00	2.5	247	13	3.7	0
15/03/2023 06:10	2.6	241	13	4	0
15/03/2023 06:20	2.9	239	11	4	0
15/03/2023 06:30	2.7	245	13	3.7	0
15/03/2023 06:40	2.8	248	12	4	0
15/03/2023 06:50	2.7	244	11	3.8	0
15/03/2023 07:00	2.6	236	14	3.7	0
15/03/2023 07:10	2.8	237	12	3.8	0
15/03/2023 07:20	2.8	239	13	4.4	0
15/03/2023 07:30	2.3	236	14	3.6	0
15/03/2023 07:40	2.1	226	17	3.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/03/2023 07:50	2	222	17	2.9	0
15/03/2023 08:00	2.2	229	13	3.2	0
15/03/2023 08:10	2.4	223	16	3.2	0
15/03/2023 08:20	2.2	224	19	3.1	0
15/03/2023 08:30	2.2	225	20	3.1	0
15/03/2023 08:40	1.9	227	28	2.9	0
15/03/2023 08:50	0.8	266	29	2	0
15/03/2023 09:00	1.5	111	22	2.1	0
15/03/2023 09:10	0.7	125	50	1.5	0
15/03/2023 09:20	0.7	125	57	1.1	0
15/03/2023 09:30	1.2	86	26	2.3	0
15/03/2023 09:40	1.4	144	51	2.4	0
15/03/2023 09:50	1.3	213	47	2.3	0
15/03/2023 10:00	2	107	39	3.6	0
15/03/2023 10:10	2.4	102	18	3.5	0
15/03/2023 10:20	2.1	93	20	3	0
15/03/2023 10:30	2.4	149	52	3.6	0
15/03/2023 10:40	2.6	313	22	4	0
15/03/2023 10:50	3.3	301	13	4.6	0
15/03/2023 11:00	2.6	323	26	3.8	0
15/03/2023 11:10	2.8	317	19	4.2	0
15/03/2023 11:20	3.1	306	19	4.4	0
15/03/2023 11:30	3.8	298	9	4.6	0
15/03/2023 11:40	3.4	295	10	4.4	0
15/03/2023 11:50	3.5	298	12	4.5	0
15/03/2023 12:00	4	300	10	4.9	0
15/03/2023 12:10	3.6	300	14	4.9	0
15/03/2023 12:20	3.1	297	21	4.1	0
15/03/2023 12:30	2.8	319	31	4.7	0
15/03/2023 12:40	3.7	303	13	5.2	0
15/03/2023 12:50	3.2	318	30	5.5	0
15/03/2023 13:00	3.3	311	19	5.1	0
15/03/2023 13:10	3.3	327	20	5.6	0
15/03/2023 13:20	3.5	341	23	5.8	0
15/03/2023 13:30	4	345	19	6	0
15/03/2023 13:40	4	334	23	6.4	0
15/03/2023 13:50	3.7	312	19	5.5	0
15/03/2023 14:00	4.1	311	17	6	0
15/03/2023 14:10	4	310	16	6.2	0
15/03/2023 14:20	4.3	309	16	6	0
15/03/2023 14:30	4.7	306	14	6.5	0
15/03/2023 14:40	4.4	309	15	6.6	0
15/03/2023 14:50	4.5	306	18	7	0
15/03/2023 15:00	4.6	304	14	6.9	0
15/03/2023 15:10	4.4	302	15	6.5	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/03/2023 15:20	5.1	302	12	7.3	0
15/03/2023 15:30	5.3	299	14	7.5	0
15/03/2023 15:40	5.1	296	14	7.3	0
15/03/2023 15:50	4.6	302	13	6.4	0
15/03/2023 16:00	4.9	295	11	6.6	0
15/03/2023 16:10	4.5	301	13	6.1	0
15/03/2023 16:20	4.5	305	13	6.1	0
15/03/2023 16:30	4.5	303	12	5.6	0
15/03/2023 16:40	4.6	302	12	5.9	0
15/03/2023 16:50	4.5	294	12	5.9	0
15/03/2023 17:00	4.3	301	13	5.6	0
15/03/2023 17:10	4.6	298	13	6	0
15/03/2023 17:20	4.3	302	13	6	0
15/03/2023 17:30	4.4	299	14	5.8	0
15/03/2023 17:40	4.3	304	12	5.9	0
15/03/2023 17:50	4	297	14	5.4	0
15/03/2023 18:00	3.9	296	14	5.4	0
15/03/2023 18:10	4.2	297	12	5.9	0
15/03/2023 18:20	4.6	294	12	6	0
15/03/2023 18:30	4.1	291	15	5.6	0
15/03/2023 18:40	3.9	284	15	5.5	0
15/03/2023 18:50	3.5	292	13	5.3	0
15/03/2023 19:00	3.1	271	15	4.2	0
15/03/2023 19:10	3.5	276	14	4.8	0
15/03/2023 19:20	3.6	268	14	5	0
15/03/2023 19:30	3.9	280	15	5.1	0
15/03/2023 19:40	3.7	277	13	4.8	0
15/03/2023 19:50	3.2	279	16	4.4	0
15/03/2023 20:00	3.4	268	12	4.8	0
15/03/2023 20:10	3.5	266	12	4.9	0
15/03/2023 20:20	3.7	261	8	4.9	0
15/03/2023 20:30	3.2	267	12	4.3	0
15/03/2023 20:40	3.4	269	13	4.8	0
15/03/2023 20:50	4	262	9	5.4	0
15/03/2023 21:00	3.9	261	10	5.1	0
15/03/2023 21:10	4	262	8	4.8	0
15/03/2023 21:20	4.2	263	11	5.2	0
15/03/2023 21:30	3.9	263	10	5.3	0
15/03/2023 21:40	4.1	263	10	5.6	0
15/03/2023 21:50	4.5	261	8	5.4	0
15/03/2023 22:00	3.8	262	10	5.2	0
15/03/2023 22:10	3.7	260	10	5.2	0
15/03/2023 22:20	3.9	261	9	5.3	0
15/03/2023 22:30	4	264	9	5.2	0
15/03/2023 22:40	4	261	9	5.5	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/03/2023 22:50	4	261	11	5.2	0
15/03/2023 23:00	4	259	10	5.4	0
15/03/2023 23:10	3.8	253	12	4.7	0
15/03/2023 23:20	4.1	254	10	5.6	0
15/03/2023 23:30	4	254	10	5.3	0
15/03/2023 23:40	4.3	254	13	5.6	0
15/03/2023 23:50	4.5	264	10	5.7	0
16/03/2023 00:00	4.6	261	9	5.8	0
16/03/2023 00:10	4.9	255	10	6.4	0
16/03/2023 00:20	4.4	256	10	5.6	0
16/03/2023 00:30	4.5	261	11	6	0
16/03/2023 00:40	4.2	259	10	5.2	0
16/03/2023 00:50	3.7	255	12	4.7	0
16/03/2023 01:00	3.6	254	11	4.8	0
16/03/2023 01:10	4.2	254	11	5.6	0
16/03/2023 01:20	3.8	255	12	5.2	0
16/03/2023 01:30	2.8	234	14	4	0
16/03/2023 01:40	2.6	238	14	3.8	0
16/03/2023 01:50	2.7	252	13	3.6	0
16/03/2023 02:00	2.8	256	10	3.7	0
16/03/2023 02:10	3.6	256	10	4.9	0
16/03/2023 02:20	3.7	253	11	4.8	0
16/03/2023 02:30	3.9	255	9	5	0
16/03/2023 02:40	3.2	247	11	4.4	0
16/03/2023 02:50	2.9	244	14	4.3	0
16/03/2023 03:00	3.3	240	14	4.6	0
16/03/2023 03:10	3.7	241	11	5.2	0
16/03/2023 03:20	4	243	11	5.2	0
16/03/2023 03:30	4.1	240	13	5.6	0
16/03/2023 03:40	4.4	238	12	6.1	0
16/03/2023 03:50	4.3	234	11	5.6	0
16/03/2023 04:00	4.3	238	13	6	0
16/03/2023 04:10	4	242	12	5.8	0
16/03/2023 04:20	4	242	13	5.6	0
16/03/2023 04:30	3.6	238	12	5.5	0
16/03/2023 04:40	3.8	241	14	5	0
16/03/2023 04:50	3.9	247	13	5.2	0
16/03/2023 05:00	3.8	243	12	5.2	0
16/03/2023 05:10	3.9	242	12	5.6	0
16/03/2023 05:20	3.5	246	13	5.3	0
16/03/2023 05:30	3	245	11	4.4	0
16/03/2023 05:40	2.9	241	13	4.1	0
16/03/2023 05:50	3.5	246	12	5.2	0
16/03/2023 06:00	3.5	244	11	4.9	0
16/03/2023 06:10	3	241	13	4.4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/03/2023 06:20	3.1	247	11	4.1	0
16/03/2023 06:30	3.1	246	12	4.2	0
16/03/2023 06:40	3.5	248	13	5.2	0
16/03/2023 06:50	2.8	250	13	4	0
16/03/2023 07:00	2.8	256	11	3.5	0
16/03/2023 07:10	2.7	247	12	4	0
16/03/2023 07:20	2.3	248	13	3.2	0
16/03/2023 07:30	2.2	262	14	3	0
16/03/2023 07:40	2.1	252	14	2.8	0
16/03/2023 07:50	2.8	255	10	3.8	0
16/03/2023 08:00	3	259	14	3.9	0
16/03/2023 08:10	2.7	257	12	3.8	0
16/03/2023 08:20	2.4	246	12	3	0
16/03/2023 08:30	2.1	247	13	2.8	0
16/03/2023 08:40	2.2	246	14	2.9	0
16/03/2023 08:50	2.9	245	12	4.2	0
16/03/2023 09:00	2.9	254	14	3.6	0
16/03/2023 09:10	3.1	251	13	4.2	0
16/03/2023 09:20	2.9	267	16	4	0
16/03/2023 09:30	3.2	267	15	4.4	0
16/03/2023 09:40	3.5	255	12	4.5	0
16/03/2023 09:50	3.6	256	13	4.8	0
16/03/2023 10:00	3.2	259	17	4.4	0
16/03/2023 10:10	3.2	276	21	4.4	0
16/03/2023 10:20	3.2	286	17	4.6	0
16/03/2023 10:30	3.6	302	14	4.8	0
16/03/2023 10:40	3	309	19	4.4	0
16/03/2023 10:50	3.5	299	15	5.1	0
16/03/2023 11:00	2.9	320	26	4.5	0
16/03/2023 11:10	3.2	307	19	4.8	0
16/03/2023 11:20	3.7	301	15	6	0
16/03/2023 11:30	3.8	311	13	5.2	0
16/03/2023 11:40	3.9	298	13	5.6	0
16/03/2023 11:50	3.6	294	16	4.9	0
16/03/2023 12:00	4.2	299	11	5.5	0
16/03/2023 12:10	3.8	291	15	5.2	0
16/03/2023 12:20	3.9	292	17	5.2	0
16/03/2023 12:30	4.3	279	20	6	0
16/03/2023 12:40	4.4	274	17	5.9	0
16/03/2023 12:50	4.1	275	16	5.7	0
16/03/2023 13:00	4.9	263	12	6.2	0
16/03/2023 13:10	5.1	264	14	6.8	0
16/03/2023 13:20	4.9	269	17	6.7	0
16/03/2023 13:30	4.5	268	17	6.4	0
16/03/2023 13:40	4.7	288	15	6.8	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/03/2023 13:50	4.7	297	17	6.8	0
16/03/2023 14:00	4.6	318	14	6.5	0
16/03/2023 14:10	4.9	301	15	6.6	0
16/03/2023 14:20	5.2	297	10	6.8	0
16/03/2023 14:30	5	293	13	6.9	0
16/03/2023 14:40	4.5	298	17	6.3	0
16/03/2023 14:50	4.5	295	20	6	0
16/03/2023 15:00	4.7	298	15	5.9	0
16/03/2023 15:10	4.6	293	16	6.4	0
16/03/2023 15:20	4.8	295	16	6.8	0
16/03/2023 15:30	4.7	310	15	6.8	0
16/03/2023 15:40	4.8	306	17	6.7	0
16/03/2023 15:50	4.8	308	17	6.8	0
16/03/2023 16:00	4.6	305	17	6.4	0
16/03/2023 16:10	4.4	305	18	6.4	0
16/03/2023 16:20	4.5	300	16	6.4	0
16/03/2023 16:30	4.8	302	12	6.7	0
16/03/2023 16:40	4.7	300	13	6.5	0
16/03/2023 16:50	4.7	292	14	6.1	0
16/03/2023 17:00	4.8	297	10	6.3	0
16/03/2023 17:10	4	292	14	5.7	0
16/03/2023 17:20	4.6	294	11	5.9	0
16/03/2023 17:30	4.6	293	14	6.1	0
16/03/2023 17:40	4.3	294	12	5.9	0
16/03/2023 17:50	4.1	296	13	5.8	0
16/03/2023 18:00	3.6	278	15	5	0
16/03/2023 18:10	4	265	13	5.5	0
16/03/2023 18:20	3.8	271	13	5.3	0
16/03/2023 18:30	3.6	267	13	4.6	0
16/03/2023 18:40	3.7	290	15	5.3	0
16/03/2023 18:50	3.2	273	16	4.8	0
16/03/2023 19:00	3.7	270	14	5	0
16/03/2023 19:10	3.3	266	13	4.7	0
16/03/2023 19:20	3.5	268	13	4.6	0
16/03/2023 19:30	3.3	270	12	4.5	0
16/03/2023 19:40	3.6	264	11	4.5	0
16/03/2023 19:50	3.8	264	11	4.9	0
16/03/2023 20:00	4.5	262	9	6	0
16/03/2023 20:10	3.6	267	11	5.2	0
16/03/2023 20:20	3.4	268	11	4.8	0
16/03/2023 20:30	4.2	265	11	5.6	0
16/03/2023 20:40	4.5	263	8	5.7	0
16/03/2023 20:50	4.4	258	11	5.8	0
16/03/2023 21:00	4.7	258	10	5.8	0
16/03/2023 21:10	4.8	258	11	6.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/03/2023 21:20	4.4	260	10	5.5	0
16/03/2023 21:30	3.9	260	10	5.2	0
16/03/2023 21:40	4.2	258	11	5.4	0
16/03/2023 21:50	4.1	258	11	5.5	0
16/03/2023 22:00	3.7	256	10	5.2	0
16/03/2023 22:10	3.5	255	13	4.8	0
16/03/2023 22:20	3.5	266	9	4.8	0
16/03/2023 22:30	3.8	261	9	5.2	0
16/03/2023 22:40	3.9	265	11	4.8	0
16/03/2023 22:50	3.9	263	11	5.3	0
16/03/2023 23:00	4.3	265	12	5.6	0
16/03/2023 23:10	4.1	261	10	5.9	0
16/03/2023 23:20	4.2	257	10	5.9	0
16/03/2023 23:30	3.9	264	10	5.3	0
16/03/2023 23:40	3.3	268	13	4.4	0
16/03/2023 23:50	2.8	272	15	3.6	0
17/03/2023 00:00	2.4	277	18	3.8	0
17/03/2023 00:10	2.6	287	17	3.8	0
17/03/2023 00:20	3.3	297	12	4.8	0
17/03/2023 00:30	3.3	293	13	4.8	0
17/03/2023 00:40	2.9	288	14	4.4	0
17/03/2023 00:50	3	290	14	4.4	0
17/03/2023 01:00	3.4	281	13	4.8	0
17/03/2023 01:10	3.6	269	11	4.6	0
17/03/2023 01:20	3.4	267	12	4.8	0
17/03/2023 01:30	3.7	264	10	5.4	0
17/03/2023 01:40	4	263	9	5.1	0
17/03/2023 01:50	3.8	263	9	4.9	0
17/03/2023 02:00	3.8	262	10	5.3	0
17/03/2023 02:10	3.4	260	11	4.7	0
17/03/2023 02:20	3.5	264	9	5.4	0
17/03/2023 02:30	3.8	260	9	5	0
17/03/2023 02:40	3.9	255	11	5.7	0
17/03/2023 02:50	3.9	255	12	5.3	0
17/03/2023 03:00	4.2	257	12	5.8	0
17/03/2023 03:10	4.4	258	10	5.7	0
17/03/2023 03:20	3.9	262	11	5.9	0
17/03/2023 03:30	4.2	263	10	5.8	0
17/03/2023 03:40	3.8	264	11	5.4	0
17/03/2023 03:50	3.7	258	11	5.2	0
17/03/2023 04:00	4.4	254	11	6.3	0
17/03/2023 04:10	4	256	11	5.2	0
17/03/2023 04:20	3.8	254	11	4.9	0
17/03/2023 04:30	3.8	256	11	4.8	0
17/03/2023 04:40	4	255	11	5.6	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/03/2023 04:50	3.7	255	10	4.9	0
17/03/2023 05:00	3.5	260	9	4.4	0
17/03/2023 05:10	3.4	255	11	4.8	0
17/03/2023 05:20	2.9	253	13	4.1	0
17/03/2023 05:30	2.7	249	11	4.1	0
17/03/2023 05:40	2.3	243	10	3.1	0
17/03/2023 05:50	2.5	241	11	3.5	0
17/03/2023 06:00	2.5	236	12	3.7	0
17/03/2023 06:10	2.2	243	12	3.1	0
17/03/2023 06:20	2.2	239	11	3	0
17/03/2023 06:30	2.6	236	12	3.2	0
17/03/2023 06:40	2.6	237	11	3.3	0
17/03/2023 06:50	2.4	235	12	3.3	0
17/03/2023 07:00	2.9	233	11	4	0
17/03/2023 07:10	2.6	236	11	3.4	0
17/03/2023 07:20	2.9	233	12	3.7	0
17/03/2023 07:30	2.4	236	14	3.6	0
17/03/2023 07:40	2.8	235	15	3.7	0
17/03/2023 07:50	3	249	13	4.1	0
17/03/2023 08:00	2.5	226	19	3.3	0
17/03/2023 08:10	2.8	225	17	3.9	0
17/03/2023 08:20	2.3	216	17	3.1	0
17/03/2023 08:30	2.5	219	12	3.5	0
17/03/2023 08:40	2.4	225	17	3.5	0
17/03/2023 08:50	2.4	224	17	3.3	0
17/03/2023 09:00	2.5	243	14	3.6	0
17/03/2023 09:10	2.4	246	14	3.2	0
17/03/2023 09:20	1.4	194	48	2.2	0
17/03/2023 09:30	1.6	219	34	2.5	0
17/03/2023 09:40	1.7	189	50	3	0
17/03/2023 09:50	1.6	223	59	3.3	0
17/03/2023 10:00	1.6	144	42	2.7	0
17/03/2023 10:10	1.7	150	56	2.9	0
17/03/2023 10:20	1.8	160	58	3.6	0
17/03/2023 10:30	2.4	135	27	3.8	0
17/03/2023 10:40	2.1	148	40	3.3	0
17/03/2023 10:50	2.1	166	45	3.5	0
17/03/2023 11:00	1.8	141	51	2.9	0
17/03/2023 11:10	1.9	131	55	3.8	0
17/03/2023 11:20	2.7	127	35	4.3	0
17/03/2023 11:30	2.8	108	17	4.5	0
17/03/2023 11:40	2.6	102	16	4	0
17/03/2023 11:50	2.9	91	20	4.4	0
17/03/2023 12:00	3.3	88	16	4.8	0
17/03/2023 12:10	3.1	93	15	4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/03/2023 12:20	2.8	86	17	4.4	0
17/03/2023 12:30	2.4	176	45	3.6	0
17/03/2023 12:40	3.3	296	19	4.4	0
17/03/2023 12:50	3.8	300	12	4.9	0
17/03/2023 13:00	4.4	298	12	6.1	0
17/03/2023 13:10	4.2	297	13	5.4	0
17/03/2023 13:20	3.5	301	16	4.8	0
17/03/2023 13:30	3.6	294	13	4.8	0
17/03/2023 13:40	3.8	299	12	5.2	0
17/03/2023 13:50	3.3	303	15	4.4	0
17/03/2023 14:00	3.2	300	13	4.4	0
17/03/2023 14:10	3.1	301	15	4	0
17/03/2023 14:20	4	299	12	5.1	0
17/03/2023 14:30	3.7	300	10	4.8	0
17/03/2023 14:40	3.8	296	12	5.2	0
17/03/2023 14:50	3.9	292	11	5	0
17/03/2023 15:00	3.7	294	12	4.8	0
17/03/2023 15:10	4	291	15	5	0
17/03/2023 15:20	4	285	11	5.2	0
17/03/2023 15:30	4	287	10	4.9	0
17/03/2023 15:40	3.9	285	12	5	0
17/03/2023 15:50	3.8	286	12	4.9	0
17/03/2023 16:00	4	286	14	5.1	0
17/03/2023 16:10	3.8	286	13	5	0
17/03/2023 16:20	3.9	288	14	5.2	0
17/03/2023 16:30	3.8	287	13	4.8	0
17/03/2023 16:40	4	291	12	5.4	0
17/03/2023 16:50	4.2	286	13	5.6	0
17/03/2023 17:00	3.5	285	14	4.6	0
17/03/2023 17:10	3.8	280	12	4.9	0
17/03/2023 17:20	3.6	283	14	4.8	0
17/03/2023 17:30	3.3	280	16	4.3	0
17/03/2023 17:40	3.4	289	11	4.8	0
17/03/2023 17:50	3.3	290	13	4.8	0
17/03/2023 18:00	3.6	291	14	4.8	0
17/03/2023 18:10	3.9	290	13	5.9	0
17/03/2023 18:20	4	290	14	5.3	0
17/03/2023 18:30	3.7	290	14	4.8	0
17/03/2023 18:40	4.1	266	11	6	0
17/03/2023 18:50	4.8	261	9	6	0
17/03/2023 19:00	4.7	262	9	5.8	0
17/03/2023 19:10	4.5	261	9	5.7	0
17/03/2023 19:20	4.1	263	9	5.8	0
17/03/2023 19:30	4.5	262	9	5.6	0
17/03/2023 19:40	4.2	263	10	5.5	0



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/03/2023 19:50	3.7	268	12	5.3	0
17/03/2023 20:00	3.9	265	11	5	0
17/03/2023 20:10	3.6	267	12	4.4	0
17/03/2023 20:20	3.4	273	14	4.6	0
17/03/2023 20:30	3.6	269	12	5.1	0
17/03/2023 20:40	3.4	271	13	4.4	0
17/03/2023 20:50	3.5	267	11	4.4	0
17/03/2023 21:00	3.4	268	10	4.9	0
17/03/2023 21:10	3.7	269	13	4.9	0
17/03/2023 21:20	3.8	264	7	5	0
17/03/2023 21:30	4.2	264	8	5.2	0
17/03/2023 21:40	3.9	264	9	5	0
17/03/2023 21:50	3.5	266	12	4.8	0
17/03/2023 22:00	3.9	262	8	4.8	0
17/03/2023 22:10	3.5	263	9	4.4	0
17/03/2023 22:20	2.8	267	10	3.4	0
17/03/2023 22:30	2.7	281	13	3.5	0
17/03/2023 22:40	2.7	288	12	3.6	0
17/03/2023 22:50	2.8	284	15	3.9	0
17/03/2023 23:00	2.9	272	13	3.9	0
17/03/2023 23:10	2.9	270	11	3.9	0
17/03/2023 23:20	3.3	268	11	4.3	0
17/03/2023 23:30	3.3	266	11	4.5	0
17/03/2023 23:40	2.9	265	11	4.1	0
17/03/2023 23:50	3.1	267	11	4.4	0
18/03/2023 00:00	3.2	267	11	4.1	0
18/03/2023 00:10	2.3	296	12	3.2	0
18/03/2023 00:20	2.4	282	15	3.3	0
18/03/2023 00:30	2.2	265	13	3	0
18/03/2023 00:40	2.4	258	10	3	0
18/03/2023 00:50	2.4	257	9	2.9	0
18/03/2023 01:00	2.2	261	8	2.9	0
18/03/2023 01:10	2	266	11	2.7	0
18/03/2023 01:20	1.1	268	11	1.8	0
18/03/2023 01:30	0.8	261	13	1.7	0
18/03/2023 01:40	1.3	264	13	2	0
18/03/2023 01:50	1.8	273	11	2.6	0
18/03/2023 02:00	2.3	276	9	2.9	0
18/03/2023 02:10	2.2	276	12	2.9	0
18/03/2023 02:20	2.1	272	11	2.8	0
18/03/2023 02:30	2	272	11	2.7	0
18/03/2023 02:40	2.1	270	10	2.8	0
18/03/2023 02:50	1.9	276	11	2.6	0
18/03/2023 03:00	1.7	272	11	2.3	0
18/03/2023 03:10	1.2	267	34	1.8	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/03/2023 03:20	0.8	265	43	1.3	0
18/03/2023 03:30	0.6	315	26	1.4	0
18/03/2023 03:40	0.9	293	24	1.2	0
18/03/2023 03:50	1	269	15	1.5	0
18/03/2023 04:00	0.6	282	19	1	0
18/03/2023 04:10	0.9	292	6	1.1	0
18/03/2023 04:20	1.1	278	10	1.4	0
18/03/2023 04:30	0.7	272	11	1.2	0
18/03/2023 04:40	1.4	267	7	1.7	0
18/03/2023 04:50	1.1	276	7	1.3	0
18/03/2023 05:00	1.1	289	6	1.4	0
18/03/2023 05:10	1.2	285	10	1.7	0
18/03/2023 05:20	0.9	237	26	1.4	0
18/03/2023 05:30	0.9	203	36	1.6	0
18/03/2023 05:40	0.8	205	23	1.3	0
18/03/2023 05:50	0.7	226	28	1.2	0
18/03/2023 06:00	0.7	143	47	2	0
18/03/2023 06:10	0.6	155	28	1.3	0
18/03/2023 06:20	0.9	146	24	1.6	0
18/03/2023 06:30	0.7	145	33	1.6	0
18/03/2023 06:40	0.1	163	10	0.5	0
18/03/2023 06:50	0.4	232	30	1.1	0
18/03/2023 07:00	0.6	123	63	1.4	0
18/03/2023 07:10	0.6	131	56	1.2	0
18/03/2023 07:20	0.5	182	46	1	0
18/03/2023 07:30	0.3	168	35	0.8	0
18/03/2023 07:40	1	214	25	1.6	0
18/03/2023 07:50	1.7	218	16	2.3	0
18/03/2023 08:00	2.5	215	12	3.2	0
18/03/2023 08:10	2.4	218	15	2.9	0
18/03/2023 08:20	2.3	217	17	3.2	0
18/03/2023 08:30	2.1	225	16	2.8	0
18/03/2023 08:40	1.2	153	67	2.1	0
18/03/2023 08:50	2.1	125	22	3.2	0
18/03/2023 09:00	2.3	132	23	3.2	0
18/03/2023 09:10	1.8	134	42	2.9	0
18/03/2023 09:20	1.8	136	43	2.8	0
18/03/2023 09:30	2.6	116	17	4	0
18/03/2023 09:40	3.1	100	14	4.1	0
18/03/2023 09:50	2.8	100	15	4.1	0
18/03/2023 10:00	3	99	12	4	0
18/03/2023 10:10	3	86	14	4.3	0
18/03/2023 10:20	2.6	85	17	4.1	0
18/03/2023 10:30	2.7	109	18	3.9	0
18/03/2023 10:40	3.6	78	12	5.1	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/03/2023 10:50	2.8	90	17	4.4	0
18/03/2023 11:00	3.1	85	20	5	0
18/03/2023 11:10	3.3	95	20	4.3	0
18/03/2023 11:20	4.3	90	13	6	0
18/03/2023 11:30	4.4	82	12	5.9	0
18/03/2023 11:40	4.2	72	14	5.5	0
18/03/2023 11:50	3.8	80	16	5.6	0
18/03/2023 12:00	4.2	81	13	5.6	0
18/03/2023 12:10	4.6	83	12	6.4	0
18/03/2023 12:20	4.6	82	15	6.6	0
18/03/2023 12:30	4.5	88	13	6.4	0
18/03/2023 12:40	4.5	87	14	6.6	0
18/03/2023 12:50	4.5	90	12	6.6	0
18/03/2023 13:00	4.2	100	13	6.4	0
18/03/2023 13:10	4	118	14	5.7	0
18/03/2023 13:20	4.5	115	10	6	0
18/03/2023 13:30	4	118	17	5.6	0
18/03/2023 13:40	4.1	111	15	6.1	0
18/03/2023 13:50	4.4	97	15	6	0
18/03/2023 14:00	4.2	89	13	5.6	0
18/03/2023 14:10	4.3	81	16	6	0
18/03/2023 14:20	4	72	15	5.6	0
18/03/2023 14:30	4.2	80	14	5.5	0
18/03/2023 14:40	3.6	56	16	5.2	0
18/03/2023 14:50	3	17	24	4.8	0
18/03/2023 15:00	2.7	7	24	3.9	0
18/03/2023 15:10	3	342	21	4.4	0
18/03/2023 15:20	2.9	352	24	4	0
18/03/2023 15:30	2.9	346	24	4.3	0
18/03/2023 15:40	2.9	179	20	4.1	0
18/03/2023 15:50	2.8	353	18	4	0
18/03/2023 16:00	3.2	354	19	4.2	0
18/03/2023 16:10	3.1	356	17	4.8	0
18/03/2023 16:20	4.2	178	19	6	0
18/03/2023 16:30	3.7	181	17	5.2	0
18/03/2023 16:40	3.8	175	19	5.6	0
18/03/2023 16:50	3.7	350	21	5.5	0
18/03/2023 17:00	3.9	349	21	5.6	0
18/03/2023 17:10	4.2	334	20	5.8	0
18/03/2023 17:20	4	322	18	6	0
18/03/2023 17:30	4.7	306	13	7.1	0
18/03/2023 17:40	5.1	301	12	6.8	0
18/03/2023 17:50	4.8	295	12	6.2	0
18/03/2023 18:00	4.8	295	12	6.4	0
18/03/2023 18:10	4.4	290	15	5.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/03/2023 18:20	3.7	286	15	5.2	0
18/03/2023 18:30	3.5	279	18	5.3	0
18/03/2023 18:40	3.2	282	15	4.4	0
18/03/2023 18:50	3.5	286	15	4.8	0
18/03/2023 19:00	3.1	273	14	4	0
18/03/2023 19:10	3	274	14	4.1	0
18/03/2023 19:20	3.1	267	11	4.4	0
18/03/2023 19:30	3.5	260	9	4.4	0
18/03/2023 19:40	3.4	261	9	4.4	0
18/03/2023 19:50	4.4	259	9	5.8	0
18/03/2023 20:00	4.1	266	11	5.9	0
18/03/2023 20:10	3.7	263	10	5	0
18/03/2023 20:20	3.3	267	13	4.5	0
18/03/2023 20:30	3.6	264	11	4.6	0
18/03/2023 20:40	3.5	270	13	4.5	0
18/03/2023 20:50	3.7	269	12	4.9	0
18/03/2023 21:00	3.3	273	14	4.6	0
18/03/2023 21:10	3.2	268	13	4.2	0
18/03/2023 21:20	3.4	265	10	4.4	0
18/03/2023 21:30	3.6	264	11	4.8	0
18/03/2023 21:40	3.6	263	11	4.6	0
18/03/2023 21:50	4.3	261	9	5.4	0
18/03/2023 22:00	3.9	263	10	5.2	0
18/03/2023 22:10	3.6	263	10	4.7	0
18/03/2023 22:20	3.6	268	14	4.9	0
18/03/2023 22:30	3.4	268	14	4.6	0
18/03/2023 22:40	3.6	271	12	5.3	0
18/03/2023 22:50	3.6	265	12	4.6	0
18/03/2023 23:00	3.3	268	13	4.6	0
18/03/2023 23:10	3.1	268	14	4.2	0
18/03/2023 23:20	3	273	15	4.2	0
18/03/2023 23:30	3	271	13	3.9	0
18/03/2023 23:40	3.1	267	12	4.1	0
18/03/2023 23:50	3.2	267	13	4.4	0
19/03/2023 00:00	2.8	263	11	3.6	0
19/03/2023 00:10	2.6	271	15	3.5	0
19/03/2023 00:20	2.6	267	12	3.5	0
19/03/2023 00:30	2.3	266	13	3.2	0
19/03/2023 00:40	2.3	268	15	3.2	0
19/03/2023 00:50	2.5	267	10	3.3	0
19/03/2023 01:00	2.2	267	12	2.8	0
19/03/2023 01:10	2.8	265	11	3.6	0
19/03/2023 01:20	2.5	268	12	3.2	0
19/03/2023 01:30	2.4	268	13	3.2	0
19/03/2023 01:40	2.6	271	12	3.3	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/03/2023 01:50	2.5	271	13	3.3	0
19/03/2023 02:00	3.2	267	12	4	0
19/03/2023 02:10	3.2	266	12	4.3	0
19/03/2023 02:20	3.2	275	14	4	0
19/03/2023 02:30	2.6	266	12	3.5	0
19/03/2023 02:40	2.9	266	12	3.8	0
19/03/2023 02:50	3	268	10	3.9	0
19/03/2023 03:00	2.9	268	9	3.8	0
19/03/2023 03:10	3	267	10	3.7	0
19/03/2023 03:20	2.9	268	11	3.7	0
19/03/2023 03:30	2.7	268	10	3.5	0
19/03/2023 03:40	2.5	268	9	3.4	0
19/03/2023 03:50	2.5	271	8	3.2	0
19/03/2023 04:00	2.8	266	9	3.6	0
19/03/2023 04:10	2.6	264	7	3.2	0
19/03/2023 04:20	2.2	263	8	2.8	0
19/03/2023 04:30	1.2	242	14	1.8	0
19/03/2023 04:40	0.2	207	9	0.7	0
19/03/2023 04:50	0.6	217	4	1.2	0
19/03/2023 05:00	1.8	251	13	2.6	0
19/03/2023 05:10	2.2	258	9	2.8	0
19/03/2023 05:20	1.5	224	37	2.4	0
19/03/2023 05:30	0.3	203	6	0.9	0
19/03/2023 05:40	0.4	127	19	0.8	0
19/03/2023 05:50	0	261	1	0.4	0
19/03/2023 06:00	0.4	22	4	0.9	0
19/03/2023 06:10	0.4	308	5	1	0
19/03/2023 06:20	0.9	245	10	1.2	0
19/03/2023 06:30	0.6	226	12	0.9	0
19/03/2023 06:40					0
19/03/2023 06:50	0.2	252	5	0.8	0
19/03/2023 07:00	0.8	232	26	1.2	0
19/03/2023 07:10	0.4	215	42	1	0
19/03/2023 07:20	1.1	228	15	1.6	0
19/03/2023 07:30	1.2	215	16	1.6	0
19/03/2023 07:40	1.5	229	14	2.1	0
19/03/2023 07:50	1.9	243	18	2.8	0
19/03/2023 08:00	2.1	241	12	2.7	0
19/03/2023 08:10	2.4	243	12	3.2	0
19/03/2023 08:20	2.9	253	12	3.7	0
19/03/2023 08:30	3	257	12	3.7	0
19/03/2023 08:40	2.9	258	14	3.8	0
19/03/2023 08:50	3.1	256	13	4	0
19/03/2023 09:00	3.5	253	14	4.5	0
19/03/2023 09:10	3.6	251	12	4.4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/03/2023 09:20	3.4	256	11	4	0
19/03/2023 09:30	3.5	265	11	4.4	0
19/03/2023 09:40	3.7	278	12	4.8	0
19/03/2023 09:50	3.6	271	17	4.6	0
19/03/2023 10:00	3.8	271	11	4.9	0
19/03/2023 10:10	3.4	272	16	4.7	0
19/03/2023 10:20	3.5	279	14	4.5	0
19/03/2023 10:30	3.4	269	18	4.5	0
19/03/2023 10:40	3.2	273	15	4.3	0
19/03/2023 10:50	3.1	266	17	4	0
19/03/2023 11:00	3.3	263	14	4.3	0
19/03/2023 11:10	2.9	272	16	3.8	0
19/03/2023 11:20	2.8	264	15	3.9	0
19/03/2023 11:30	3.4	257	18	4.5	0
19/03/2023 11:40	3.8	267	16	4.8	0
19/03/2023 11:50	3.7	262	14	4.7	0
19/03/2023 12:00	4.2	260	10	5.2	0
19/03/2023 12:10	4	271	15	5.1	0
19/03/2023 12:20	4	265	14	5.1	0
19/03/2023 12:30	3.9	271	20	6	0
19/03/2023 12:40	3.6	288	17	5.2	0
19/03/2023 12:50	3.8	284	16	5.3	0
19/03/2023 13:00	3.7	293	14	4.8	0
19/03/2023 13:10	4	299	11	5.3	0
19/03/2023 13:20	4.4	289	16	5.3	0
19/03/2023 13:30	4.3	293	15	5.7	0
19/03/2023 13:40	4.3	295	15	5.9	0
19/03/2023 13:50	4.9	295	11	6.4	0
19/03/2023 14:00	4.5	293	13	6.1	0
19/03/2023 14:10	4.7	293	13	6	0
19/03/2023 14:20	4.7	296	10	6.1	0
19/03/2023 14:30	4.9	293	13	6.4	0
19/03/2023 14:40	5.1	296	12	6.4	0
19/03/2023 14:50	5	289	14	6.4	0
19/03/2023 15:00	5.5	294	10	6.7	0
19/03/2023 15:10	4.8	290	13	6.5	0
19/03/2023 15:20	5	289	14	6.9	0
19/03/2023 15:30	5.1	293	12	6.8	0
19/03/2023 15:40	5.3	291	13	7.1	0
19/03/2023 15:50	5.1	286	13	6.8	0
19/03/2023 16:00	4.7	289	14	6.5	0
19/03/2023 16:10	4.6	284	17	6.6	0
19/03/2023 16:20	4.6	279	16	6.1	0
19/03/2023 16:30	4.9	263	14	6.2	0
19/03/2023 16:40	5.2	257	11	6.5	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/03/2023 16:50	5.5	262	11	7	0
19/03/2023 17:00	5.5	262	10	7.4	0
19/03/2023 17:10	5.6	266	11	7.6	0
19/03/2023 17:20	5.9	261	10	7.5	0
19/03/2023 17:30	6.2	261	10	7.9	0
19/03/2023 17:40	6.3	259	10	8	0
19/03/2023 17:50	6.4	263	11	8.6	0
19/03/2023 18:00	5.8	264	11	8	0
19/03/2023 18:10	5.2	264	12	7.4	0
19/03/2023 18:20	5.6	264	11	7.5	0
19/03/2023 18:30	5.8	263	9	7.6	0
19/03/2023 18:40	6.2	262	10	7.9	0
19/03/2023 18:50	5.9	266	11	8.3	0
19/03/2023 19:00	5.6	264	11	7.6	0
19/03/2023 19:10	5.6	262	10	7.2	0
19/03/2023 19:20	6.1	263	9	7.8	0
19/03/2023 19:30	5.2	264	11	7.2	0
19/03/2023 19:40	4.8	263	10	6.4	0
19/03/2023 19:50	5.1	264	11	6.7	0
19/03/2023 20:00	5.2	268	12	6.9	0
19/03/2023 20:10	4.7	263	12	6.8	0
19/03/2023 20:20	4.6	260	11	6.4	0
19/03/2023 20:30	4.2	259	12	5.6	0
19/03/2023 20:40	3.8	262	11	5.2	0
19/03/2023 20:50	3.7	268	13	5	0
19/03/2023 21:00	3.6	264	12	5.3	0
19/03/2023 21:10	3.4	268	13	5.2	0
19/03/2023 21:20	3.5	266	14	4.8	0
19/03/2023 21:30	3.4	265	13	4.7	0
19/03/2023 21:40	3.5	273	13	4.8	0
19/03/2023 21:50	3.3	268	12	4.8	0
19/03/2023 22:00	3.2	263	12	4.6	0
19/03/2023 22:10	3.1	260	12	4.5	0
19/03/2023 22:20	2.4	204	34	4	0
19/03/2023 22:30	1.7	232	48	2.8	0
19/03/2023 22:40	1.1	159	59	1.9	0
19/03/2023 22:50	2.3	191	25	3	0
19/03/2023 23:00	1.3	218	34	2.2	0
19/03/2023 23:10	0.4	201	22	1.2	0
19/03/2023 23:20	1	293	11	1.2	0
19/03/2023 23:30	0.4	166	7	1	0
19/03/2023 23:40	1.1	178	20	1.4	0
19/03/2023 23:50	1.1	286	8	1.5	0
20/03/2023 00:00	0.8	289	8	1.3	0
20/03/2023 00:10	0.6	171	22	1.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/03/2023 00:20	0.1	31	1	0.8	0
20/03/2023 00:30	0.2	82	4	0.8	0
20/03/2023 00:40	0.8	111	24	1.5	0
20/03/2023 00:50	1	199	25	1.3	0
20/03/2023 01:00	3.1	84	13	5.2	0
20/03/2023 01:10	5.1	69	14	8.3	0
20/03/2023 01:20	5.8	76	12	7.9	0
20/03/2023 01:30	4.7	71	16	6.4	0
20/03/2023 01:40	4.8	71	13	7.1	0
20/03/2023 01:50	4.4	70	13	6.3	0
20/03/2023 02:00	4.6	69	11	6.1	0
20/03/2023 02:10	3.6	64	12	5	0
20/03/2023 02:20	3.8	59	12	5.4	0
20/03/2023 02:30	3.7	53	12	5.6	0
20/03/2023 02:40	3.1	56	14	4.6	0
20/03/2023 02:50	2.8	56	13	4.2	0
20/03/2023 03:00	3.3	47	14	4.6	0
20/03/2023 03:10	3.1	62	14	4.3	0
20/03/2023 03:20	2.6	62	13	3.7	0
20/03/2023 03:30	2.4	71	12	3.4	0
20/03/2023 03:40	2	65	11	2.8	0
20/03/2023 03:50	1.1	75	16	2	0
20/03/2023 04:00	0.8	119	10	1.2	0
20/03/2023 04:10	0.5	116	6	1.1	0
20/03/2023 04:20	0.4	105	4	0.9	0
20/03/2023 04:30	0.4	99	8	1.4	0
20/03/2023 04:40	0.7	105	10	1.2	0
20/03/2023 04:50	0.8	80	8	1.5	0
20/03/2023 05:00	0.7	82	9	1.2	0
20/03/2023 05:10	0.8	92	9	1.5	0
20/03/2023 05:20	0.4	89	9	0.8	0
20/03/2023 05:30	0	194	0	0.4	0
20/03/2023 05:40	0.5	251	13	1	0
20/03/2023 05:50	0.1	264	15	0.6	0
20/03/2023 06:00	0.2	246	10	0.6	0
20/03/2023 06:10	0.5	123	9	1.3	0
20/03/2023 06:20	0.8	122	15	1.2	0
20/03/2023 06:30	1	115	15	1.4	0
20/03/2023 06:40	0.6	115	12	1	0
20/03/2023 06:50	0.4	98	12	0.9	0
20/03/2023 07:00	0.9	111	11	1.5	0
20/03/2023 07:10	0.9	108	10	1.6	0
20/03/2023 07:20	1.2	127	13	2	0
20/03/2023 07:30	0.7	127	12	1.7	0
20/03/2023 07:40	1.2	113	20	2.3	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/03/2023 07:50	2.3	103	14	3.2	0
20/03/2023 08:00	2.4	136	16	3.4	0
20/03/2023 08:10	2.2	134	22	3.4	0
20/03/2023 08:20	2.6	129	16	4.1	0
20/03/2023 08:30	2.7	132	18	4	0
20/03/2023 08:40	2.9	109	17	4.3	0
20/03/2023 08:50	3.4	95	14	4.7	0
20/03/2023 09:00	3.3	101	14	4.7	0
20/03/2023 09:10	3.4	92	15	4.9	0
20/03/2023 09:20	2.6	129	23	4	0
20/03/2023 09:30	2.6	124	16	4.2	0
20/03/2023 09:40	2.6	118	17	5	0
20/03/2023 09:50	2.9	93	16	4.6	0
20/03/2023 10:00	2.8	114	18	4.4	0
20/03/2023 10:10	3	127	17	4.4	0
20/03/2023 10:20	3	133	17	4.3	0
20/03/2023 10:30	3.4	119	16	4.5	0
20/03/2023 10:40	2.8	123	18	4	0
20/03/2023 10:50	3.3	109	18	4.5	0
20/03/2023 11:00	3.8	96	19	5.6	0
20/03/2023 11:10	4.2	97	16	6.3	0
20/03/2023 11:20	5.1	77	12	7.6	0
20/03/2023 11:30	5.8	76	12	7.5	0
20/03/2023 11:40	5.2	69	12	6.8	0
20/03/2023 11:50	4.8	72	12	6.8	0
20/03/2023 12:00	5.7	83	13	7.8	0
20/03/2023 12:10	5.2	85	13	6.9	0
20/03/2023 12:20	4.2	82	13	6	0
20/03/2023 12:30	4.8	89	12	7	0
20/03/2023 12:40	5.1	87	15	6.8	0
20/03/2023 12:50	3.9	88	19	5.8	0
20/03/2023 13:00	4	86	18	6.2	0
20/03/2023 13:10	4.3	84	11	5.9	0
20/03/2023 13:20	3.8	68	17	6	0
20/03/2023 13:30	3.7	81	17	5.4	0
20/03/2023 13:40	4.3	90	13	5.7	0
20/03/2023 13:50	5.2	86	11	6.6	0
20/03/2023 14:00	5.2	86	13	7.4	0
20/03/2023 14:10	5.2	82	12	7.5	0
20/03/2023 14:20	5	70	14	6.7	0
20/03/2023 14:30	4.8	62	12	6.8	0
20/03/2023 14:40	4.9	59	16	6.5	0
20/03/2023 14:50	4.9	53	15	7.2	0
20/03/2023 15:00	4.6	61	14	7	0
20/03/2023 15:10	4.6	56	15	7.1	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/03/2023 15:20	5.4	60	13	7.2	0
20/03/2023 15:30	4.3	46	16	6	0
20/03/2023 15:40	3.6	35	25	5.2	0
20/03/2023 15:50	3.2	180	26	5.6	0
20/03/2023 16:00	3.9	343	18	5.5	0
20/03/2023 16:10	3.1	352	18	4.6	0
20/03/2023 16:20	3.1	355	21	4.9	0
20/03/2023 16:30	3.6	355	20	5.4	0
20/03/2023 16:40	3.2	183	22	4.6	0
20/03/2023 16:50	3.4	354	21	4.9	0
20/03/2023 17:00	3.6	355	16	5	0
20/03/2023 17:10	3.5	4	16	4.8	0
20/03/2023 17:20	3.1	5	20	5.1	0
20/03/2023 17:30	3.3	354	20	4.9	0
20/03/2023 17:40	2.8	181	23	4.8	0
20/03/2023 17:50	2.7	183	20	4.2	0
20/03/2023 18:00	2.9	352	21	4.4	0
20/03/2023 18:10	3.1	354	19	4.8	0
20/03/2023 18:20	3.1	2	23	4.5	0
20/03/2023 18:30	2.6	335	24	4.4	0
20/03/2023 18:40	2.4	317	30	4.4	0
20/03/2023 18:50	2.6	309	19	4.1	0
20/03/2023 19:00	2.6	299	16	4	0
20/03/2023 19:10	2.5	294	17	3.5	0
20/03/2023 19:20	2.4	284	19	3.5	0
20/03/2023 19:30	2.8	290	15	3.8	0
20/03/2023 19:40	2.6	296	16	3.6	0
20/03/2023 19:50	2.5	271	20	3.5	0
20/03/2023 20:00	2.6	266	14	3.7	0
20/03/2023 20:10	2.6	262	13	3.9	0
20/03/2023 20:20	2	271	17	3.2	0
20/03/2023 20:30	2.2	258	12	3.1	0
20/03/2023 20:40	2.8	261	12	3.6	0
20/03/2023 20:50	2.1	262	14	2.8	0
20/03/2023 21:00	1.8	245	15	2.7	0
20/03/2023 21:10	1.7	232	14	2.8	0
20/03/2023 21:20	3.5	218	31	5.9	0
20/03/2023 21:30	3	219	17	4.1	0
20/03/2023 21:40	2.8	218	17	4	0
20/03/2023 21:50	1.9	218	19	2.9	0
20/03/2023 22:00	1.5	221	18	2.3	0
20/03/2023 22:10	1.2	226	15	1.7	0
20/03/2023 22:20	1	249	49	1.6	0
20/03/2023 22:30	0.5	283	29	1.4	0
20/03/2023 22:40	0.5	289	2	1.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/03/2023 22:50	1	290	6	1.2	0
20/03/2023 23:00	1.3	277	6	1.7	0
20/03/2023 23:10	1.1	283	8	1.6	0
20/03/2023 23:20	0.2	298	2	1.1	0
20/03/2023 23:30	0.7	298	8	1	0
20/03/2023 23:40	0.9	281	8	1.5	0
20/03/2023 23:50	1	305	7	1.2	0
21/03/2023 00:00	0.7	12	17	0.9	0
21/03/2023 00:10					0
21/03/2023 00:20	0	132	1	0.6	0
21/03/2023 00:30	0.4	90	8	0.8	0
21/03/2023 00:40					0
21/03/2023 00:50	0.2	282	8	0.7	0
21/03/2023 01:00	0.7	185	19	1.2	0
21/03/2023 01:10	1.3	11	19	1.9	0
21/03/2023 01:20	1	31	22	1.6	0
21/03/2023 01:30	0.8	198	22	1.6	0
21/03/2023 01:40	0.9	352	21	1.7	0
21/03/2023 01:50	1.9	26	17	3.1	0
21/03/2023 02:00	1.5	40	15	2.2	0
21/03/2023 02:10	1.3	19	16	2.1	0
21/03/2023 02:20	1.6	20	14	2.4	0
21/03/2023 02:30	1.3	27	14	2.2	0
21/03/2023 02:40	0.9	38	19	2	0
21/03/2023 02:50	0.9	37	15	2	0
21/03/2023 03:00	0.4	20	30	1.2	0
21/03/2023 03:10	0.6	301	9	1.6	0
21/03/2023 03:20	0.5	318	35	1.2	0
21/03/2023 03:30	1.6	58	12	2	0
21/03/2023 03:40	2	59	10	2.9	0
21/03/2023 03:50	1.7	57	9	2.5	0
21/03/2023 04:00	0.4	73	6	1	0
21/03/2023 04:10	0.2	183	24	0.7	0
21/03/2023 04:20	0.7	226	11	1.8	0
21/03/2023 04:30	0.4	230	34	1.2	0
21/03/2023 04:40	0.5	226	19	1.5	0
21/03/2023 04:50	0.3	241	12	0.8	0
21/03/2023 05:00	0.5	248	6	0.8	0
21/03/2023 05:10	1.1	272	11	1.9	0
21/03/2023 05:20	0.6	259	12	1.2	0
21/03/2023 05:30	0.4	229	16	1.2	0
21/03/2023 05:40	0.6	148	5	1.4	0
21/03/2023 05:50	1.1	213	35	2	0
21/03/2023 06:00	1	219	29	2	0
21/03/2023 06:10	2.5	248	8	3.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/03/2023 06:20	2.2	242	13	3.1	0
21/03/2023 06:30	2.3	254	14	3.2	0
21/03/2023 06:40	2.7	257	10	3.7	0
21/03/2023 06:50	2.2	243	13	3.2	0
21/03/2023 07:00	0.5	189	16	2	0
21/03/2023 07:10	0.5	142	24	1.5	0
21/03/2023 07:20	0.5	173	59	1.2	0
21/03/2023 07:30	0.5	195	47	1.1	0
21/03/2023 07:40	0.5	149	34	1.4	0
21/03/2023 07:50	0.5	214	16	1.7	0
21/03/2023 08:00					0
21/03/2023 08:10					0
21/03/2023 08:20					0
21/03/2023 08:30	1.9	325	21	2.9	0
21/03/2023 08:40	2.1	267	36	3.8	0
21/03/2023 08:50	1.9	21	32	3.1	0
21/03/2023 09:00	1.3	163	41	2.4	0
21/03/2023 09:10	2.2	303	22	3.6	0
21/03/2023 09:20	2.2	174	46	3.6	0
21/03/2023 09:30	2.3	11	27	3.6	0
21/03/2023 09:40	2.4	343	26	3.6	0
21/03/2023 09:50	2.1	339	29	3.3	0
21/03/2023 10:00	2	173	33	3.3	0
21/03/2023 10:10	2.4	319	42	4.1	0
21/03/2023 10:20	2.2	343	33	3.6	0
21/03/2023 10:30	2.2	337	31	3.5	0
21/03/2023 10:40	2.8	304	39	4.6	0
21/03/2023 10:50	2.6	330	32	3.9	0
21/03/2023 11:00	2.9	311	31	4.6	0
21/03/2023 11:10	2.7	288	21	3.9	0
21/03/2023 11:20	2.3	339	43	3.9	0
21/03/2023 11:30	2.7	346	23	4.4	0
21/03/2023 11:40	3.2	176	35	5	0
21/03/2023 11:50	2.2	344	35	3.4	0
21/03/2023 12:00	2.4	352	40	3.6	0
21/03/2023 12:10	2.8	186	18	4	0
21/03/2023 12:20	2.4	346	28	3.9	0
21/03/2023 12:30	2.7	12	23	4.2	0
21/03/2023 12:40	2.8	179	19	4	0
21/03/2023 12:50	3	6	22	4.8	0
21/03/2023 13:00	2.9	356	25	4.6	0
21/03/2023 13:10	2.7	350	25	4.1	0
21/03/2023 13:20	2.7	332	24	4	0
21/03/2023 13:30	2.6	342	35	4.2	0
21/03/2023 13:40	2.5	191	30	4.1	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/03/2023 13:50	2.4	179	42	3.6	0
21/03/2023 14:00	2.9	325	33	4.8	0
21/03/2023 14:10	3.1	340	27	4.8	0
21/03/2023 14:20	3	349	22	4.4	0
21/03/2023 14:30	3.1	335	28	5.2	0
21/03/2023 14:40	2.9	180	25	4.5	0
21/03/2023 14:50	3.3	9	20	4.9	0
21/03/2023 15:00	3.6	3	22	5.6	0
21/03/2023 15:10	3.6	8	22	5.3	0
21/03/2023 15:20	3.9	178	19	5.6	0
21/03/2023 15:30	4	8	17	5.8	0
21/03/2023 15:40	3.5	7	16	5.2	0
21/03/2023 15:50	3.4	178	25	5.2	0
21/03/2023 16:00	3.3	8	22	4.7	0
21/03/2023 16:10	3.8	2	18	5.2	0
21/03/2023 16:20	3.7	186	21	6.2	0
21/03/2023 16:30	4.1	10	22	5.9	0
21/03/2023 16:40	3.8	183	20	5.4	0
21/03/2023 16:50	3.7	9	20	5.6	0
21/03/2023 17:00	3.8	5	20	5.7	0
21/03/2023 17:10	3.9	177	19	5.6	0
21/03/2023 17:20	3.1	180	24	5.3	0
21/03/2023 17:30	3	324	30	5.1	0
21/03/2023 17:40	3.2	317	21	5.3	0
21/03/2023 17:50	4.1	303	13	5.9	0
21/03/2023 18:00	4.3	297	14	5.9	0
21/03/2023 18:10	4.4	292	12	5.8	0
21/03/2023 18:20	4.5	296	9	5.8	0
21/03/2023 18:30	4.2	295	10	5.7	0
21/03/2023 18:40	4.4	295	12	6	0
21/03/2023 18:50	4.7	295	12	6.1	0
21/03/2023 19:00	4.6	295	11	6.1	0
21/03/2023 19:10	4.2	293	12	5.5	0
21/03/2023 19:20	3.5	272	16	4.8	0
21/03/2023 19:30	4.4	262	10	6	0
21/03/2023 19:40	4.2	261	11	5.5	0
21/03/2023 19:50	4.4	268	12	5.6	0
21/03/2023 20:00	3.7	267	12	5.3	0
21/03/2023 20:10	4	264	10	5.2	0
21/03/2023 20:20	3	249	15	4.1	0
21/03/2023 20:30	2.9	259	15	4.2	0
21/03/2023 20:40	3.1	262	14	4.1	0
21/03/2023 20:50	2.6	262	11	3.6	0
21/03/2023 21:00	2.5	269	13	3.6	0
21/03/2023 21:10	3	266	12	4	0



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/03/2023 21:20	2.9	266	13	4.1	0
21/03/2023 21:30	2.5	263	12	3.4	0
21/03/2023 21:40	1.8	212	29	3	0
21/03/2023 21:50	3.3	138	26	6.1	0
21/03/2023 22:00	4.5	127	17	6.9	0.3
21/03/2023 22:10	4	136	31	6	0.2
21/03/2023 22:20	2.7	138	39	4.8	0
21/03/2023 22:30	1.9	117	47	3.6	0
21/03/2023 22:40	0.9	190	35	1.8	0
21/03/2023 22:50	0.7	192	13	1.5	0
21/03/2023 23:00	1	212	32	1.5	0
21/03/2023 23:10	0.7	59	21	1.2	0
21/03/2023 23:20	1.7	293	12	2.3	0
21/03/2023 23:30	2	289	14	2.9	0
21/03/2023 23:40	2.4	308	17	3.6	0.1
21/03/2023 23:50	1.2	286	17	1.7	0
22/03/2023 00:00	1.5	270	15	2.3	0
22/03/2023 00:10	1.4	256	13	2	0
22/03/2023 00:20	1.1	254	24	1.8	0
22/03/2023 00:30	0.5	264	14	1.2	0
22/03/2023 00:40	1.4	291	19	2.3	0
22/03/2023 00:50	1.2	238	16	1.8	0
22/03/2023 01:00	0.4	252	9	1.6	0
22/03/2023 01:10	0.4	152	8	1.1	0
22/03/2023 01:20	0.7	128	17	1.5	0
22/03/2023 01:30	0.5	85	8	1.2	0
22/03/2023 01:40	1	191	25	2.4	0
22/03/2023 01:50	2.6	253	15	3.2	0.1
22/03/2023 02:00	1.9	263	16	2.7	0
22/03/2023 02:10	0.6	257	7	1.2	0
22/03/2023 02:20	0.3	165	4	1.2	0
22/03/2023 02:30	0.1	236	16	0.5	0
22/03/2023 02:40	0	233	4	0.5	0
22/03/2023 02:50	0.5	238	17	1.3	0
22/03/2023 03:00	0	165	7	0.5	0
22/03/2023 03:10	0.1	178	6	0.4	0
22/03/2023 03:20	0.4	236	10	1.1	0
22/03/2023 03:30	0.7	246	11	1.6	0
22/03/2023 03:40	1.5	236	11	2.2	0
22/03/2023 03:50	2	223	15	2.9	0
22/03/2023 04:00	1.9	226	15	2.6	0
22/03/2023 04:10	1.3	241	16	2	0
22/03/2023 04:20	0.6	186	39	1.3	0
22/03/2023 04:30	1.8	219	14	2.8	0
22/03/2023 04:40	0.8	218	41	1.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/03/2023 04:50	0.8	223	16	1.4	0
22/03/2023 05:00	0.8	229	36	1.5	0
22/03/2023 05:10	0.1	211	8	0.8	0
22/03/2023 05:20					0
22/03/2023 05:30					0
22/03/2023 05:40					0
22/03/2023 05:50	0.9	155	14	1.7	0
22/03/2023 06:00	1.5	145	15	2	0
22/03/2023 06:10	1	146	35	1.5	0
22/03/2023 06:20	0.1	204	17	0.7	0
22/03/2023 06:30	0.2	223	6	0.9	0
22/03/2023 06:40	0.4	189	35	0.9	0
22/03/2023 06:50	0.8	149	20	1.6	0
22/03/2023 07:00	0.9	156	27	2	0
22/03/2023 07:10	1.5	132	14	2.3	0
22/03/2023 07:20	0.7	188	20	1.3	0
22/03/2023 07:30	0.8	209	28	1.5	0
22/03/2023 07:40	0.4	162	32	0.9	0
22/03/2023 07:50	1	136	16	1.6	0
22/03/2023 08:00	1.5	120	19	2	0
22/03/2023 08:10	1.4	132	28	2.6	0
22/03/2023 08:20	1.8	131	27	2.8	0
22/03/2023 08:30	1.1	172	41	1.9	0
22/03/2023 08:40	1.9	222	15	2.8	0
22/03/2023 08:50	1.2	174	65	2	0
22/03/2023 09:00	2.3	297	27	3.9	0
22/03/2023 09:10	1.5	147	27	3	0
22/03/2023 09:20	1.5	203	70	2.8	0
22/03/2023 09:30	1.6	189	48	3.2	0
22/03/2023 09:40	1.1	138	48	2	0
22/03/2023 09:50	2.5	271	39	4.5	0
22/03/2023 10:00	1.7	231	31	2.5	0
22/03/2023 10:10	2.3	249	18	3.7	0
22/03/2023 10:20	1.4	251	51	2.4	0
22/03/2023 10:30	2.6	241	17	3.8	0
22/03/2023 10:40	2.4	252	15	3.6	0
22/03/2023 10:50	2.7	240	15	4.2	0
22/03/2023 11:00	2.7	257	22	3.6	0
22/03/2023 11:10	2.7	277	20	4.1	0
22/03/2023 11:20	3	309	20	4.6	0
22/03/2023 11:30	3.7	296	10	4.8	0
22/03/2023 11:40	3.7	296	16	5.6	0
22/03/2023 11:50	3.7	303	15	5.2	0
22/03/2023 12:00	3.5	299	13	5	0
22/03/2023 12:10	3.8	297	15	5.4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/03/2023 12:20	3.7	299	18	5.2	0
22/03/2023 12:30	3.9	303	15	5.4	0
22/03/2023 12:40	4.4	296	12	5.8	0
22/03/2023 12:50	4	298	14	5.6	0
22/03/2023 13:00	4.3	290	17	5.7	0
22/03/2023 13:10	4.3	295	12	5.9	0
22/03/2023 13:20	4.1	299	16	5.6	0
22/03/2023 13:30	4.2	298	13	6	0
22/03/2023 13:40	4.2	303	15	5.6	0
22/03/2023 13:50	3.9	308	15	5.3	0
22/03/2023 14:00	4.3	297	14	5.7	0
22/03/2023 14:10	4.2	296	13	5.8	0
22/03/2023 14:20	4.5	295	13	6	0
22/03/2023 14:30	4.5	294	15	6.4	0
22/03/2023 14:40	4.5	298	15	6.1	0
22/03/2023 14:50	4.3	293	14	5.9	0
22/03/2023 15:00	4.2	292	14	5.5	0
22/03/2023 15:10	4.8	296	12	6.3	0
22/03/2023 15:20	4.8	289	12	6.3	0
22/03/2023 15:30	5	288	15	6.7	0
22/03/2023 15:40	4.9	292	14	6.8	0
22/03/2023 15:50	4.3	289	13	6	0
22/03/2023 16:00	4.1	262	16	6	0
22/03/2023 16:10	4.4	267	14	6	0
22/03/2023 16:20	4.7	267	15	6	0
22/03/2023 16:30	4.7	266	14	6.2	0
22/03/2023 16:40	4.4	269	18	5.8	0
22/03/2023 16:50	4	272	16	5.6	0
22/03/2023 17:00	3.8	263	14	5.4	0
22/03/2023 17:10	4	249	12	5.6	0
22/03/2023 17:20	3.8	254	14	5.2	0
22/03/2023 17:30	3.8	261	11	4.8	0
22/03/2023 17:40	3.6	263	12	4.4	0
22/03/2023 17:50	3.1	271	15	4.4	0
22/03/2023 18:00	3.1	284	18	4.5	0
22/03/2023 18:10	3.3	270	14	4.4	0
22/03/2023 18:20	3.3	266	14	4.5	0
22/03/2023 18:30	3.4	257	11	4.6	0
22/03/2023 18:40	3.6	260	12	4.8	0
22/03/2023 18:50	4.1	261	11	5.2	0
22/03/2023 19:00	3.7	256	11	4.6	0
22/03/2023 19:10	4.1	260	9	5	0
22/03/2023 19:20	3.9	262	12	4.9	0
22/03/2023 19:30	3.8	265	12	5.1	0
22/03/2023 19:40	4	260	11	5.2	0



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/03/2023 19:50	4.5	261	9	5.8	0
22/03/2023 20:00	4.5	262	8	5.7	0
22/03/2023 20:10	4.3	262	9	5.3	0
22/03/2023 20:20	4.3	263	10	5.8	0
22/03/2023 20:30	3.9	261	9	5.2	0
22/03/2023 20:40	3.8	262	10	5.2	0
22/03/2023 20:50	3.7	262	11	4.7	0
22/03/2023 21:00	3.9	262	9	5.2	0
22/03/2023 21:10	4.4	255	9	5.4	0
22/03/2023 21:20	4.4	257	11	5.6	0
22/03/2023 21:30	3.3	254	12	4.8	0
22/03/2023 21:40	2.9	253	10	4.2	0
22/03/2023 21:50	3.3	252	11	4	0
22/03/2023 22:00	3	249	11	4.2	0
22/03/2023 22:10	3.2	250	12	4.3	0
22/03/2023 22:20	2.8	252	12	3.8	0
22/03/2023 22:30	3.2	252	10	4.3	0
22/03/2023 22:40	3.2	257	10	4.2	0
22/03/2023 22:50	3.5	251	11	4.4	0
22/03/2023 23:00	3	250	11	4.2	0
22/03/2023 23:10	3.4	250	11	4.7	0
22/03/2023 23:20	3.1	248	12	4.8	0
22/03/2023 23:30	3.4	256	11	4.5	0
22/03/2023 23:40	3.3	254	12	4.5	0
22/03/2023 23:50	2.9	249	12	3.9	0
23/03/2023 00:00	2.6	249	12	3.2	0
23/03/2023 00:10	1.8	238	15	2.4	0
23/03/2023 00:20	2.5	238	12	3.5	0
23/03/2023 00:30	2.4	238	13	3.7	0
23/03/2023 00:40	2.6	232	12	3.6	0
23/03/2023 00:50	2.4	224	18	3.4	0
23/03/2023 01:00	2.2	223	19	3.8	0
23/03/2023 01:10	2.4	218	17	3.5	0
23/03/2023 01:20	2.7	233	14	4	0
23/03/2023 01:30	2.6	234	16	4	0
23/03/2023 01:40	2.6	236	15	4.1	0
23/03/2023 01:50	2.3	236	15	3.2	0
23/03/2023 02:00	2.2	240	15	3.2	0
23/03/2023 02:10	2.4	240	15	3.6	0
23/03/2023 02:20	2.2	237	13	3.5	0
23/03/2023 02:30	2.1	235	13	2.8	0
23/03/2023 02:40	1.8	248	14	2.6	0
23/03/2023 02:50	1.8	267	11	2.4	0
23/03/2023 03:00	1.6	280	17	2.3	0
23/03/2023 03:10	1.4	271	14	2.1	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/03/2023 03:20	1.1	302	20	1.6	0
23/03/2023 03:30	1	291	25	1.4	0
23/03/2023 03:40	0.6	302	21	1.2	0
23/03/2023 03:50	0.3	82	21	0.9	0
23/03/2023 04:00	0.6	99	68	1.2	0
23/03/2023 04:10	0.8	13	52	1.6	0
23/03/2023 04:20	0.6	97	41	1.4	0
23/03/2023 04:30	1.2	17	21	1.9	0
23/03/2023 04:40	1	53	25	1.8	0
23/03/2023 04:50	0.1	75	21	1.1	0
23/03/2023 05:00	1	43	22	1.6	0
23/03/2023 05:10	0.8	104	41	2	0
23/03/2023 05:20	1.2	270	53	1.9	0
23/03/2023 05:30	1.9	229	63	3.2	0
23/03/2023 05:40	1.7	120	77	3.2	0
23/03/2023 05:50	1.7	128	54	3.1	0
23/03/2023 06:00	1.8	140	41	3.5	0
23/03/2023 06:10	1.7	138	36	3.1	0
23/03/2023 06:20	1.6	139	61	3.2	0
23/03/2023 06:30	2.2	143	34	3.3	0
23/03/2023 06:40	2.4	134	20	4	0
23/03/2023 06:50	2	131	21	2.8	0
23/03/2023 07:00	2.4	137	18	4.1	0
23/03/2023 07:10	2.6	137	19	4.3	0
23/03/2023 07:20	2.7	130	18	4	0
23/03/2023 07:30	3.3	126	15	4.8	0
23/03/2023 07:40	3.3	125	15	4.8	0
23/03/2023 07:50	3.3	116	13	5	0
23/03/2023 08:00	3.5	116	14	5.2	0
23/03/2023 08:10	3.5	124	15	5.2	0
23/03/2023 08:20	4.1	129	15	6	0
23/03/2023 08:30	4.6	125	15	6.7	0
23/03/2023 08:40	4.5	126	15	6.3	0
23/03/2023 08:50	3.9	112	13	5.2	0
23/03/2023 09:00	3.6	110	18	5.2	0
23/03/2023 09:10	4.7	99	10	6	0
23/03/2023 09:20	3.9	104	13	5.4	0
23/03/2023 09:30	3.4	111	16	4.8	0
23/03/2023 09:40	4.2	101	14	5.8	0
23/03/2023 09:50	4.2	104	13	5.6	0
23/03/2023 10:00	4.7	99	12	6.4	0
23/03/2023 10:10	4.3	100	12	5.7	0
23/03/2023 10:20	4.4	106	13	6.4	0
23/03/2023 10:30	4.8	94	12	6.1	0
23/03/2023 10:40	4.8	100	13	6.5	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/03/2023 10:50	4.4	99	13	6	0
23/03/2023 11:00	4.5	100	12	5.8	0
23/03/2023 11:10	4.3	100	12	6	0
23/03/2023 11:20	4.3	108	13	6.4	0
23/03/2023 11:30	4.1	104	17	6	0
23/03/2023 11:40	4.7	94	12	6.1	0
23/03/2023 11:50	4.1	93	18	6.3	0
23/03/2023 12:00	4	79	15	5.8	0
23/03/2023 12:10	3.7	91	17	5.2	0
23/03/2023 12:20	3.8	88	16	5.5	0
23/03/2023 12:30	4	78	13	5.7	0
23/03/2023 12:40	4.1	73	17	5.7	0
23/03/2023 12:50	4.2	76	11	5.6	0
23/03/2023 13:00	3.9	78	14	5.3	0
23/03/2023 13:10	4.7	83	15	6.3	0
23/03/2023 13:20	4.8	71	13	6.3	0
23/03/2023 13:30	5.3	80	13	7.1	0
23/03/2023 13:40	4.6	67	17	6	0
23/03/2023 13:50	4.7	68	12	6.2	0
23/03/2023 14:00	4.9	75	12	6.8	0
23/03/2023 14:10	4.7	66	15	6.4	0
23/03/2023 14:20	5	70	14	7.2	0
23/03/2023 14:30	5.3	68	12	6.9	0
23/03/2023 14:40	5.2	72	12	6.9	0
23/03/2023 14:50	4	54	20	5.5	0
23/03/2023 15:00	3.4	39	22	5.2	0
23/03/2023 15:10	3.3	15	21	4.8	0
23/03/2023 15:20	3.6	181	21	5.4	0
23/03/2023 15:30	3.9	350	21	5.6	0
23/03/2023 15:40	3.8	355	21	5.8	0
23/03/2023 15:50	4.4	350	23	6.3	0
23/03/2023 16:00	4.3	350	16	6.3	0
23/03/2023 16:10	4.1	355	18	6.3	0
23/03/2023 16:20	3.7	182	22	5.3	0
23/03/2023 16:30	4.1	186	19	6.4	0
23/03/2023 16:40	4.1	5	19	6.1	0
23/03/2023 16:50	3.9	352	17	6	0
23/03/2023 17:00	3.8	354	20	5.7	0
23/03/2023 17:10	4.1	179	18	6.4	0
23/03/2023 17:20	4.3	179	20	7	0
23/03/2023 17:30	4.2	178	19	6.4	0
23/03/2023 17:40	4.3	181	16	7.3	0
23/03/2023 17:50	4.3	355	21	6.2	0
23/03/2023 18:00	3.7	5	20	5.4	0
23/03/2023 18:10	3.9	4	23	6.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/03/2023 18:20	4.1	182	16	6.2	0
23/03/2023 18:30	4.4	353	18	6.1	0
23/03/2023 18:40	4.1	7	18	5.9	0
23/03/2023 18:50	4.6	4	14	6.2	0
23/03/2023 19:00	4.4	6	19	6.5	0
23/03/2023 19:10	4.2	180	18	5.8	0
23/03/2023 19:20	4.4	183	17	6	0
23/03/2023 19:30	4.5	11	19	6.4	0
23/03/2023 19:40	4	13	18	5.9	0
23/03/2023 19:50	3.9	8	20	5.7	0
23/03/2023 20:00	3.8	5	21	5.5	0
23/03/2023 20:10	3	327	26	5.7	0
23/03/2023 20:20	3.2	316	19	5.6	0
23/03/2023 20:30	4.3	306	14	6	0
23/03/2023 20:40	4.7	299	12	6.1	0
23/03/2023 20:50	3.8	292	14	5.4	0
23/03/2023 21:00	3.6	276	15	4.8	0
23/03/2023 21:10	3.4	275	16	4.8	0
23/03/2023 21:20	3.1	278	17	4.4	0
23/03/2023 21:30	3	268	14	4	0
23/03/2023 21:40	3.5	265	11	4.4	0
23/03/2023 21:50	3.3	267	11	4.4	0
23/03/2023 22:00	3.1	274	13	4.3	0
23/03/2023 22:10	3.2	257	11	4.2	0
23/03/2023 22:20	3	267	15	4.1	0
23/03/2023 22:30	3.4	263	11	4.5	0
23/03/2023 22:40	3.2	266	13	4.4	0
23/03/2023 22:50	3.5	255	10	4.4	0
23/03/2023 23:00	3	258	12	4.4	0
23/03/2023 23:10	3	260	11	3.8	0
23/03/2023 23:20	2.8	252	10	3.6	0
23/03/2023 23:30	3.2	255	11	4.3	0
23/03/2023 23:40	2.9	254	13	4.1	0
23/03/2023 23:50	3.2	250	13	4.6	0
24/03/2023 00:00	3.1	256	12	4.7	0
24/03/2023 00:10	3	251	13	4.2	0
24/03/2023 00:20	3	240	12	4	0
24/03/2023 00:30	2.8	235	12	3.8	0
24/03/2023 00:40	2.9	244	12	4.1	0
24/03/2023 00:50	2.9	241	14	4.2	0
24/03/2023 01:00	2.7	236	13	3.6	0
24/03/2023 01:10	2.4	231	13	3.5	0
24/03/2023 01:20	2.4	229	15	3.4	0
24/03/2023 01:30	1.9	238	15	2.6	0
24/03/2023 01:40	2.1	237	14	3.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/03/2023 01:50	1.9	238	12	2.6	0
24/03/2023 02:00	2	243	13	2.8	0
24/03/2023 02:10	1.9	237	13	3	0
24/03/2023 02:20	2.2	240	13	3	0
24/03/2023 02:30	1.7	233	15	2.7	0
24/03/2023 02:40	2	239	12	3.1	0
24/03/2023 02:50	2.4	249	12	3.2	0
24/03/2023 03:00	2.2	245	11	3	0
24/03/2023 03:10	2.3	243	12	3.2	0
24/03/2023 03:20	1.9	247	11	2.8	0
24/03/2023 03:30	2	247	11	2.5	0
24/03/2023 03:40	1.3	257	8	1.8	0
24/03/2023 03:50	1.5	250	11	2.1	0
24/03/2023 04:00	0.8	238	17	1.1	0
24/03/2023 04:10	0.7	239	10	1	0
24/03/2023 04:20	0.2	196	7	0.7	0
24/03/2023 04:30					0
24/03/2023 04:40					0
24/03/2023 04:50					0
24/03/2023 05:00					0
24/03/2023 05:10					0
24/03/2023 05:20					0
24/03/2023 05:30					0
24/03/2023 05:40	0	305	0	0.4	0
24/03/2023 05:50					0
24/03/2023 06:00					0
24/03/2023 06:10					0
24/03/2023 06:20					0
24/03/2023 06:30					0
24/03/2023 06:40	0.1	23	1	0.4	0
24/03/2023 06:50					0
24/03/2023 07:00					0
24/03/2023 07:10					0
24/03/2023 07:20	0.4	337	25	1.6	0
24/03/2023 07:30	0.7	93	38	1.2	0
24/03/2023 07:40	0.7	182	24	1.2	0
24/03/2023 07:50	0.4	248	16	1	0
24/03/2023 08:00	0.3	239	51	0.8	0
24/03/2023 08:10	0.7	192	53	1.2	0
24/03/2023 08:20	0.9	279	31	1.8	0
24/03/2023 08:30	1	197	35	1.8	0
24/03/2023 08:40	0.9	230	40	1.9	0
24/03/2023 08:50	1.6	252	29	2.4	0
24/03/2023 09:00	1.6	289	28	2.6	0
24/03/2023 09:10	1.7	304	29	2.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/03/2023 09:20	2.2	308	27	3.2	0
24/03/2023 09:30	3	295	14	4.3	0
24/03/2023 09:40	2.8	301	16	4.3	0
24/03/2023 09:50	2.4	171	28	3.5	0
24/03/2023 10:00	1.8	179	27	3	0
24/03/2023 10:10	2.4	6	24	3.7	0
24/03/2023 10:20	2.3	335	36	3.9	0
24/03/2023 10:30	2.3	337	26	3.5	0
24/03/2023 10:40	2.4	181	23	4.1	0
24/03/2023 10:50	2.6	181	28	4.1	0
24/03/2023 11:00	2.3	182	25	4.2	0
24/03/2023 11:10	2.6	184	24	3.8	0
24/03/2023 11:20	2.9	339	26	5.2	0
24/03/2023 11:30	3.2	353	22	4.7	0
24/03/2023 11:40	3	357	30	4.5	0
24/03/2023 11:50	3.3	21	29	5.2	0
24/03/2023 12:00	3.3	23	19	5.2	0
24/03/2023 12:10	3.4	16	24	5.1	0
24/03/2023 12:20	4	180	17	5.3	0
24/03/2023 12:30	4.4	31	21	8.5	0
24/03/2023 12:40	11.2	79	11	15	0
24/03/2023 12:50	10.7	81	10	16.7	0
24/03/2023 13:00	10	81	10	13.2	0
24/03/2023 13:10	9.2	81	11	13.6	0
24/03/2023 13:20	7.8	77	11	11	0
24/03/2023 13:30	6.4	67	15	9.1	0
24/03/2023 13:40	6.1	66	11	7.5	0
24/03/2023 13:50	5.8	79	12	7.6	0
24/03/2023 14:00	5.2	75	15	7.2	0
24/03/2023 14:10	4.9	79	13	6.6	0
24/03/2023 14:20	4.7	83	15	6.3	0
24/03/2023 14:30	4.6	69	16	6.4	0
24/03/2023 14:40	4.7	81	15	6.8	0
24/03/2023 14:50	4.9	75	16	6.8	0
24/03/2023 15:00	4.9	73	13	6.9	0
24/03/2023 15:10	4.5	64	14	6.2	0
24/03/2023 15:20	4.5	75	17	5.8	0
24/03/2023 15:30	4.6	78	14	6.6	0
24/03/2023 15:40	4.8	73	14	6.3	0
24/03/2023 15:50	4.4	76	12	6	0
24/03/2023 16:00	3.7	76	17	5.4	0
24/03/2023 16:10	3.6	65	13	5.1	0
24/03/2023 16:20	3.4	75	14	4.8	0
24/03/2023 16:30	4	84	14	5.7	0
24/03/2023 16:40	4	89	15	5.4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/03/2023 16:50	3.7	91	13	4.7	0
24/03/2023 17:00	2.9	81	14	4	0
24/03/2023 17:10	2.8	70	14	3.7	0
24/03/2023 17:20	2.7	79	18	3.8	0
24/03/2023 17:30	2.6	94	13	4	0
24/03/2023 17:40	3	99	12	4.1	0
24/03/2023 17:50	2.2	88	16	3.1	0
24/03/2023 18:00	1.9	70	19	2.9	0
24/03/2023 18:10	2.3	75	14	3.4	0
24/03/2023 18:20	2.1	67	11	2.8	0
24/03/2023 18:30	2.4	72	9	3.2	0
24/03/2023 18:40	2.2	65	12	2.8	0
24/03/2023 18:50	1.6	62	12	2.4	0
24/03/2023 19:00	1.3	71	14	1.7	0
24/03/2023 19:10	1.4	70	14	1.9	0
24/03/2023 19:20	1.3	88	21	2.1	0
24/03/2023 19:30	1.5	60	11	2.1	0
24/03/2023 19:40	1.8	59	11	2.6	0
24/03/2023 19:50	1.8	39	24	2.8	0
24/03/2023 20:00	1.7	22	24	2.6	0
24/03/2023 20:10	2.2	44	15	3.2	0
24/03/2023 20:20	1.9	60	11	2.8	0
24/03/2023 20:30	2.2	63	13	2.9	0
24/03/2023 20:40	2.4	52	15	3.2	0
24/03/2023 20:50	2.2	53	12	2.8	0
24/03/2023 21:00	2	40	19	2.9	0
24/03/2023 21:10	1.5	42	17	2.3	0
24/03/2023 21:20	1.1	39	21	2.2	0
24/03/2023 21:30	0.9	47	22	1.4	0
24/03/2023 21:40	1.2	64	13	1.7	0
24/03/2023 21:50	1.4	47	15	2.2	0
24/03/2023 22:00	1.3	37	17	2.1	0
24/03/2023 22:10	1.6	54	14	2.2	0
24/03/2023 22:20	0.9	30	19	1.6	0
24/03/2023 22:30	1.2	10	20	2.1	0
24/03/2023 22:40	1.6	7	20	2.3	0
24/03/2023 22:50	1.7	16	28	2.7	0
24/03/2023 23:00	1.3	14	21	2.1	0
24/03/2023 23:10	1	180	28	1.9	0
24/03/2023 23:20	0.7	25	22	2.3	0
24/03/2023 23:30	1.5	184	32	2.5	0
24/03/2023 23:40	1	161	25	2.7	0
24/03/2023 23:50	0.6	142	52	1.7	0
25/03/2023 00:00	0.7	72	62	1.9	0
25/03/2023 00:10	0.4	159	26	1.4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/03/2023 00:20	0.7	23	64	1.4	0
25/03/2023 00:30	0.5	280	16	1.2	0
25/03/2023 00:40	1	275	14	1.5	0
25/03/2023 00:50	0.3	286	5	1.1	0
25/03/2023 01:00	0.7	235	9	1.5	0
25/03/2023 01:10	1.3	257	15	1.8	0
25/03/2023 01:20	1.1	239	15	1.7	0
25/03/2023 01:30	1.2	230	12	1.9	0
25/03/2023 01:40	1.1	246	17	1.4	0
25/03/2023 01:50	1.4	242	14	2	0
25/03/2023 02:00	0.9	227	18	1.6	0
25/03/2023 02:10	1.5	219	13	2	0
25/03/2023 02:20	1.7	225	15	2.5	0
25/03/2023 02:30	1.6	219	18	2.4	0
25/03/2023 02:40	0.9	214	28	1.6	0
25/03/2023 02:50	0.1	211	21	0.8	0
25/03/2023 03:00	0.4	214	28	1.2	0
25/03/2023 03:10	1.1	220	11	1.9	0
25/03/2023 03:20	0.8	221	16	1.6	0
25/03/2023 03:30	0.8	214	13	1.6	0
25/03/2023 03:40	0.4	215	9	1.6	0
25/03/2023 03:50	0.4	223	9	1.5	0
25/03/2023 04:00	1.7	214	10	2	0
25/03/2023 04:10	0.2	163	14	0.9	0
25/03/2023 04:20	0.3	227	7	1	0
25/03/2023 04:30	1.7	224	13	2.6	0
25/03/2023 04:40	1.6	214	17	2.2	0
25/03/2023 04:50	1.5	224	15	2.3	0
25/03/2023 05:00	0.6	222	12	2	0
25/03/2023 05:10	0.6	223	12	2	0
25/03/2023 05:20	1.7	229	15	2.4	0
25/03/2023 05:30	1.1	222	15	2.2	0
25/03/2023 05:40	0	139	4	0.4	0
25/03/2023 05:50	0.7	128	12	1.3	0
25/03/2023 06:00	1.2	130	13	2	0
25/03/2023 06:10	1.5	110	8	2	0
25/03/2023 06:20	0.8	105	9	1.6	0
25/03/2023 06:30	1	121	9	1.8	0
25/03/2023 06:40	0.9	127	15	1.6	0
25/03/2023 06:50	0	183	1	0.4	0
25/03/2023 07:00	0.7	148	22	1.2	0
25/03/2023 07:10	1.1	136	18	1.7	0
25/03/2023 07:20	1.2	136	27	1.9	0
25/03/2023 07:30	1.5	137	20	2	0
25/03/2023 07:40	1.2	140	29	1.8	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/03/2023 07:50	1.9	134	17	2.7	0
25/03/2023 08:00	1.9	128	15	2.8	0
25/03/2023 08:10	1.8	137	19	2.4	0
25/03/2023 08:20	1.8	133	19	2.4	0
25/03/2023 08:30	1.8	130	19	2.6	0
25/03/2023 08:40	2.2	122	16	3.4	0
25/03/2023 08:50	1.9	119	20	2.7	0
25/03/2023 09:00	1.8	104	29	2.6	0
25/03/2023 09:10	1.9	126	22	2.9	0
25/03/2023 09:20	2.1	107	24	3.5	0
25/03/2023 09:30	3.3	99	16	5.1	0
25/03/2023 09:40	2.7	100	21	4.3	0
25/03/2023 09:50	2.8	80	18	4.4	0
25/03/2023 10:00	2.3	86	25	3.6	0
25/03/2023 10:10	2.5	95	19	3.2	0
25/03/2023 10:20	2.9	90	23	5.1	0
25/03/2023 10:30	2.3	118	29	3.8	0
25/03/2023 10:40	2.8	111	22	4.3	0
25/03/2023 10:50	1.5	122	36	3	0
25/03/2023 11:00	2	113	30	3.1	0
25/03/2023 11:10	3.4	105	22	5.2	0
25/03/2023 11:20	3.1	73	21	6	0
25/03/2023 11:30	4.3	82	13	5.9	0
25/03/2023 11:40	4.9	79	16	6.6	0
25/03/2023 11:50	4.9	88	14	7.3	0
25/03/2023 12:00	4.7	81	17	6.6	0
25/03/2023 12:10	4.9	88	15	7.4	0
25/03/2023 12:20	4.4	86	15	5.9	0
25/03/2023 12:30	4.8	85	15	6.6	0
25/03/2023 12:40	5.4	75	16	7.2	0
25/03/2023 12:50	5.4	61	15	7.6	0
25/03/2023 13:00	3.9	24	22	6.9	0
25/03/2023 13:10	5.2	175	19	7.9	0
25/03/2023 13:20	4.8	353	23	8.4	0
25/03/2023 13:30	4.6	359	23	7.4	0
25/03/2023 13:40	3.8	189	22	5.8	0
25/03/2023 13:50	3.6	17	21	5.2	0
25/03/2023 14:00	3	187	23	4.5	0
25/03/2023 14:10	3.9	48	15	5.6	0
25/03/2023 14:20	4.9	58	16	6.4	0
25/03/2023 14:30	4.4	47	14	6.2	0
25/03/2023 14:40	3.7	47	17	5.2	0
25/03/2023 14:50	4.2	42	18	6.3	0
25/03/2023 15:00	5.6	55	15	7.5	0
25/03/2023 15:10	5.2	81	11	7.5	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/03/2023 15:20	4.3	83	12	6	0
25/03/2023 15:30	4.7	99	14	6.8	0
25/03/2023 15:40	3.7	53	24	5.9	0
25/03/2023 15:50	4.1	59	17	5.9	0
25/03/2023 16:00	4.1	60	13	5.8	0
25/03/2023 16:10	3.6	74	16	5.4	0
25/03/2023 16:20	3.6	75	15	5.2	0
25/03/2023 16:30	3	67	18	4.8	0
25/03/2023 16:40	2.6	55	26	4.3	0
25/03/2023 16:50	2.8	77	21	4.1	0
25/03/2023 17:00	2.3	58	30	4	0
25/03/2023 17:10	2.4	31	26	3.6	0
25/03/2023 17:20	2.8	52	19	4.4	0
25/03/2023 17:30	4.3	73	14	6.8	0
25/03/2023 17:40	4.2	80	12	5.8	0
25/03/2023 17:50	3.4	72	15	4.8	0
25/03/2023 18:00	3.6	62	12	4.9	0
25/03/2023 18:10	3	50	15	4.3	0
25/03/2023 18:20	2.7	34	19	4.1	0
25/03/2023 18:30	3.1	54	13	4	0
25/03/2023 18:40	2.8	45	14	3.7	0
25/03/2023 18:50	2.4	24	16	3.7	0
25/03/2023 19:00	3	53	13	4.3	0
25/03/2023 19:10	3	59	13	4.1	0
25/03/2023 19:20	2.9	49	13	4	0
25/03/2023 19:30	3	41	17	4	0
25/03/2023 19:40	2.9	65	12	4	0
25/03/2023 19:50	2.9	54	12	3.8	0
25/03/2023 20:00	2.7	49	14	3.8	0
25/03/2023 20:10	2.8	49	13	3.9	0
25/03/2023 20:20	3	57	11	4	0
25/03/2023 20:30	2.7	58	11	3.6	0
25/03/2023 20:40	2.3	45	14	3.2	0
25/03/2023 20:50	2	40	20	3.2	0
25/03/2023 21:00	1.8	37	21	2.8	0
25/03/2023 21:10	2.2	41	17	3.2	0
25/03/2023 21:20	2.5	47	11	3.2	0
25/03/2023 21:30	1.7	35	19	2.7	0
25/03/2023 21:40	1.8	34	16	3.2	0
25/03/2023 21:50	1.9	46	16	3	0
25/03/2023 22:00	2.1	39	22	3.4	0
25/03/2023 22:10	2.5	50	11	3.4	0
25/03/2023 22:20	1.7	57	23	3.2	0
25/03/2023 22:30	1.7	39	23	2.7	0
25/03/2023 22:40	2	37	17	2.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/03/2023 22:50	1.7	51	17	2.4	0
25/03/2023 23:00	1.8	64	16	2.6	0
25/03/2023 23:10	1.5	68	15	3.2	0
25/03/2023 23:20	0.6	53	12	1.8	0
25/03/2023 23:30	1.6	53	25	2.9	0
25/03/2023 23:40	1.6	62	14	2.5	0
25/03/2023 23:50	0.7	82	15	1.5	0
26/03/2023 00:00	0.3	69	11	1.4	0
26/03/2023 00:10	0.2	48	12	1.4	0
26/03/2023 00:20	0.6	36	12	1.8	0
26/03/2023 00:30	0.5	51	11	1.6	0
26/03/2023 00:40	0.2	62	11	1.1	0
26/03/2023 00:50	0.3	104	11	1.5	0
26/03/2023 01:00	0.5	44	16	1.6	0.5
26/03/2023 01:10	2.4	276	27	4.4	3.8
26/03/2023 01:20	1.7	214	26	3	1.1
26/03/2023 01:30	0.4	238	28	1.2	0.2
26/03/2023 01:40	0.7	231	32	1.2	0.1
26/03/2023 01:50	0.4	59	18	0.9	0
26/03/2023 02:00	0.8	281	12	1.2	0
26/03/2023 02:10	0.8	314	11	1.6	0.5
26/03/2023 02:20	2.4	281	20	3.8	1.1
26/03/2023 02:30	1.9	236	27	3.2	0.4
26/03/2023 02:40	0.9	136	31	1.8	0
26/03/2023 02:50	0.3	29	29	1.1	0.7
26/03/2023 03:00	1.2	111	19	1.9	0.6
26/03/2023 03:10	1.6	81	20	2.1	0
26/03/2023 03:20	0.8	141	40	1.3	0
26/03/2023 03:30	0.1	231	3	1.1	0.2
26/03/2023 03:40	0.4	237	11	0.8	0
26/03/2023 03:50	0.6	159	12	1.2	0
26/03/2023 04:00	0.4	118	8	0.8	0
26/03/2023 04:10	0.5	230	5	0.9	0
26/03/2023 04:20	0.9	231	14	1.2	0
26/03/2023 04:30	1.9	228	15	3	0
26/03/2023 04:40	2.6	221	18	4	0.2
26/03/2023 04:50	2.3	231	19	3.3	0
26/03/2023 05:00	2.8	69	44	5.5	0.6
26/03/2023 05:10	5.1	88	10	7.5	4.6
26/03/2023 05:20	3.8	101	13	5.6	2.4
26/03/2023 05:30	2.4	112	13	3.6	0.8
26/03/2023 05:40	1.9	163	24	2.8	0.3
26/03/2023 05:50	1.1	185	29	2	0
26/03/2023 06:00	0.2	223	12	0.8	0
26/03/2023 06:10	0.7	105	17	1.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/03/2023 06:20	0.3	91	22	1	0
26/03/2023 06:30	0.2	135	15	1.1	0
26/03/2023 06:40	0.9	136	54	1.6	0
26/03/2023 06:50	0.4	148	18	1.2	0
26/03/2023 07:00	0.7	169	37	1.5	0
26/03/2023 07:10	0.6	136	26	1.3	0
26/03/2023 07:20	0.6	172	61	1.3	0
26/03/2023 07:30	1.1	129	47	1.9	0
26/03/2023 07:40	1.9	129	16	2.6	0
26/03/2023 07:50	2	140	19	2.9	0
26/03/2023 08:00	1.6	137	20	2.3	0
26/03/2023 08:10	1.7	124	12	2.3	0
26/03/2023 08:20	1.7	125	14	2.4	0
26/03/2023 08:30	2	128	19	2.6	0
26/03/2023 08:40	2.3	111	11	3.2	0
26/03/2023 08:50	2.5	106	11	3.2	0
26/03/2023 09:00	2.2	114	14	3.2	0
26/03/2023 09:10	2	111	16	2.8	0
26/03/2023 09:20	2.1	106	15	3.1	0
26/03/2023 09:30	2.5	98	12	3.3	0
26/03/2023 09:40	2.6	100	13	3.5	0
26/03/2023 09:50	2.6	103	11	3.7	0.1
26/03/2023 10:00	2.4	104	11	3.3	0.1
26/03/2023 10:10	2.4	103	14	3.1	0
26/03/2023 10:20	1.8	89	18	2.7	0
26/03/2023 10:30	2	68	17	2.7	0
26/03/2023 10:40	2	13	23	3.6	0
26/03/2023 10:50	1.9	25	18	2.9	0
26/03/2023 11:00	2	46	15	2.8	0
26/03/2023 11:10	1.3	36	20	1.9	0
26/03/2023 11:20	1.4	50	12	2.1	0
26/03/2023 11:30	1.4	52	17	2.4	0
26/03/2023 11:40	0.6	50	22	1.4	0
26/03/2023 11:50	1.5	58	21	2.8	0
26/03/2023 12:00	1.4	151	29	2.5	0
26/03/2023 12:10	1.1	261	47	2	0
26/03/2023 12:20	1.6	329	30	2.4	0
26/03/2023 12:30	2.7	301	16	4.4	0
26/03/2023 12:40	2.2	306	43	3.5	0
26/03/2023 12:50	1.8	17	30	3.1	0
26/03/2023 13:00	2.1	9	17	3.2	0
26/03/2023 13:10	1.5	37	27	2.6	0
26/03/2023 13:20	2.4	43	29	3.9	0
26/03/2023 13:30	2.7	22	23	3.6	0
26/03/2023 13:40	2.4	12	27	4.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/03/2023 13:50	2.8	28	24	4.4	0
26/03/2023 14:00	3.4	182	27	5.3	0
26/03/2023 14:10	3.2	346	23	4.8	0
26/03/2023 14:20	3.2	178	26	4.8	0
26/03/2023 14:30	2.8	356	30	5.3	0
26/03/2023 14:40	2.9	22	28	5.1	0
26/03/2023 14:50	3	31	28	5	0
26/03/2023 15:00	3.2	13	21	5.1	0
26/03/2023 15:10	3.2	8	21	4.7	0
26/03/2023 15:20	3.2	25	19	4.9	0
26/03/2023 15:30	3.3	18	22	5.3	0
26/03/2023 15:40	3.4	12	20	5	0
26/03/2023 15:50	3.3	21	23	5.3	0
26/03/2023 16:00	3.4	10	17	4.7	0
26/03/2023 16:10	3.2	8	21	4.8	0
26/03/2023 16:20	3.3	5	21	5.2	0
26/03/2023 16:30	3.5	17	19	4.8	0
26/03/2023 16:40	3.4	27	18	4.7	0
26/03/2023 16:50	3.1	22	19	4.9	0
26/03/2023 17:00	2.9	20	19	4.1	0
26/03/2023 17:10	2.8	17	19	4.5	0
26/03/2023 17:20	2.9	16	23	4.3	0
26/03/2023 17:30	2.5	15	19	4.3	0
26/03/2023 17:40	2.2	177	34	3.4	0
26/03/2023 17:50	2	175	27	3.2	0
26/03/2023 18:00	1.9	342	38	3.4	0
26/03/2023 18:10	1.4	334	32	2.6	0
26/03/2023 18:20	1.8	174	27	3.2	0
26/03/2023 18:30	1	337	50	2.4	0
26/03/2023 18:40	1.9	323	25	3.2	0
26/03/2023 18:50	1.7	328	29	2.8	0
26/03/2023 19:00	2	326	26	3.9	0
26/03/2023 19:10	1.3	329	32	2.5	0
26/03/2023 19:20	0.5	313	30	2.3	0
26/03/2023 19:30	0.8	340	25	2.1	0
26/03/2023 19:40	1.6	302	22	3	0
26/03/2023 19:50	1.9	282	18	3	0
26/03/2023 20:00	2.1	296	20	3	0
26/03/2023 20:10	2	294	20	3.4	0
26/03/2023 20:20	2.4	296	19	3.5	0
26/03/2023 20:30	2.4	302	16	3.8	0
26/03/2023 20:40	1.8	323	27	3.1	0
26/03/2023 20:50	0.7	330	30	2.6	0
26/03/2023 21:00	0.5	179	30	2.3	0
26/03/2023 21:10	0.5	160	36	1.4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/03/2023 21:20	0.4	337	22	2.2	0
26/03/2023 21:30	0.1	345	15	1.2	0
26/03/2023 21:40	0.1	297	13	1	0
26/03/2023 21:50	0.3	336	15	1.4	0
26/03/2023 22:00	0.8	341	30	1.9	0
26/03/2023 22:10	0.5	315	17	1.6	0
26/03/2023 22:20	1.5	324	19	3.5	0
26/03/2023 22:30	1	314	20	2.7	0
26/03/2023 22:40	1.5	310	16	2.9	0
26/03/2023 22:50	1.4	319	17	3.1	0
26/03/2023 23:00	1	303	25	2.2	0
26/03/2023 23:10	1.5	304	22	3.6	0
26/03/2023 23:20	1.9	291	20	3.6	0
26/03/2023 23:30	2.2	280	18	3.3	0
26/03/2023 23:40	1.1	301	14	2.7	0
26/03/2023 23:50	1	298	18	2	0
27/03/2023 00:00	1.4	284	19	2.7	0
27/03/2023 00:10	1.7	275	16	2.8	0
27/03/2023 00:20	2	268	13	3	0
27/03/2023 00:30	2.4	264	10	3.1	0
27/03/2023 00:40	2.4	266	12	3.2	0
27/03/2023 00:50	2.6	256	10	3.4	0
27/03/2023 01:00	2.1	251	8	2.8	0
27/03/2023 01:10	2.4	258	8	3.1	0
27/03/2023 01:20	2.2	255	8	2.8	0
27/03/2023 01:30	2.3	259	8	2.8	0
27/03/2023 01:40	2.5	256	9	3.1	0
27/03/2023 01:50	2.1	255	9	2.7	0
27/03/2023 02:00	1.9	261	9	2.4	0
27/03/2023 02:10	1.9	262	8	2.8	0
27/03/2023 02:20	2	266	10	2.8	0
27/03/2023 02:30	1.8	266	10	2.4	0
27/03/2023 02:40	2.3	270	12	3.6	0
27/03/2023 02:50	2.6	267	10	3.5	0
27/03/2023 03:00	2.8	262	10	3.6	0
27/03/2023 03:10	2.5	261	9	3.4	0
27/03/2023 03:20	2.5	263	8	3.1	0
27/03/2023 03:30	2.4	262	9	2.8	0
27/03/2023 03:40	2.2	265	11	2.9	0
27/03/2023 03:50	2.4	258	10	3.1	0
27/03/2023 04:00	2.2	265	9	2.8	0
27/03/2023 04:10	2.4	259	9	3.1	0
27/03/2023 04:20	1.7	257	7	2.3	0
27/03/2023 04:30	1.1	243	11	2	0
27/03/2023 04:40	0.4	224	10	1.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/03/2023 04:50	0.2	159	10	0.6	0
27/03/2023 05:00	0	101	0	0.4	0
27/03/2023 05:10					0
27/03/2023 05:20	0.1	52	2	0.5	0
27/03/2023 05:30	0.5	122	13	1	0
27/03/2023 05:40	0.6	141	14	1	0
27/03/2023 05:50	0.1	152	9	0.4	0
27/03/2023 06:00	0.3	225	9	0.7	0
27/03/2023 06:10	0	212	2	0.4	0
27/03/2023 06:20	0.1	223	5	0.8	0
27/03/2023 06:30	1	225	18	1.9	0
27/03/2023 06:40	2.2	226	12	3.3	0
27/03/2023 06:50	1.9	228	15	2.8	0
27/03/2023 07:00	1.5	232	14	2.6	0
27/03/2023 07:10	1	234	17	2.1	0
27/03/2023 07:20	0.2	241	6	0.7	0
27/03/2023 07:30	0.2	211	9	1.1	0.1
27/03/2023 07:40	0.2	184	5	1	0.4
27/03/2023 07:50	0.1	226	4	0.4	0.4
27/03/2023 08:00	0.5	87	10	0.8	0.2
27/03/2023 08:10	0.2	225	11	0.8	0.1
27/03/2023 08:20	0.1	64	9	0.7	0.2
27/03/2023 08:30	0.7	264	22	2.2	0.5
27/03/2023 08:40	2.1	270	15	3.1	0.5
27/03/2023 08:50	2.3	264	10	3	0.2
27/03/2023 09:00	2.3	261	9	3	0.2
27/03/2023 09:10	2.2	263	11	2.7	0.3
27/03/2023 09:20	2.1	277	15	2.8	0.1
27/03/2023 09:30	2.6	272	13	3.5	0
27/03/2023 09:40	2.4	269	16	3.3	0
27/03/2023 09:50	2	274	15	2.7	0.1
27/03/2023 10:00	2.4	274	14	3.1	0.2
27/03/2023 10:10	2.8	281	14	3.9	0
27/03/2023 10:20	3	289	13	4.7	0
27/03/2023 10:30	3	284	16	4	0
27/03/2023 10:40	3.6	288	16	5.3	0
27/03/2023 10:50	3.8	286	17	5.1	0.4
27/03/2023 11:00	3.5	281	16	4.9	0.1
27/03/2023 11:10	3.8	284	15	5.6	0
27/03/2023 11:20	3.6	270	13	4.9	0
27/03/2023 11:30	3.7	267	11	5.2	0
27/03/2023 11:40	3.5	270	14	4.7	0
27/03/2023 11:50	3.2	271	15	4.9	0.1
27/03/2023 12:00	3.5	264	12	4.8	0
27/03/2023 12:10	3.4	269	13	4.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/03/2023 12:20	3.4	267	13	4.8	0
27/03/2023 12:30	3.2	263	12	4.4	0
27/03/2023 12:40	2.9	273	15	3.9	0
27/03/2023 12:50	3.1	268	16	4.4	0
27/03/2023 13:00	2.5	263	15	3.3	0
27/03/2023 13:10	2.3	262	15	3.2	0
27/03/2023 13:20	2.5	250	15	3.7	0
27/03/2023 13:30	2.6	251	14	3.6	0
27/03/2023 13:40	2.6	260	13	3.6	0
27/03/2023 13:50	2.7	267	15	4.1	0
27/03/2023 14:00	3.7	275	13	5.2	0
27/03/2023 14:10	3.6	282	16	5.1	0
27/03/2023 14:20	3.8	273	14	5.3	0
27/03/2023 14:30	4.2	270	14	5.6	0
27/03/2023 14:40	3.9	259	11	4.9	0
27/03/2023 14:50	3.4	258	13	4.8	0
27/03/2023 15:00	3.7	254	13	5.2	0
27/03/2023 15:10	4.3	255	11	6.2	0
27/03/2023 15:20	3.9	257	12	5.3	0
27/03/2023 15:30	3.8	244	13	5.5	0
27/03/2023 15:40	3.6	241	14	4.9	0
27/03/2023 15:50	3.3	239	16	4.8	0
27/03/2023 16:00	2.9	247	13	4.1	0
27/03/2023 16:10	2.5	242	17	3.3	0
27/03/2023 16:20	2	226	17	3.1	0
27/03/2023 16:30	1.7	229	19	2.4	0
27/03/2023 16:40	1.6	196	31	2.3	0
27/03/2023 16:50	1.7	223	40	2.7	0
27/03/2023 17:00	1.1	232	59	2.3	0
27/03/2023 17:10	0.7	209	54	1.7	0
27/03/2023 17:20	1.5	227	18	2.3	0
27/03/2023 17:30	1	203	39	1.7	0
27/03/2023 17:40	1.2	145	14	2	0
27/03/2023 17:50	1.2	145	15	1.6	0
27/03/2023 18:00	0.7	176	18	1.6	0
27/03/2023 18:10	0.4	222	26	1.1	0
27/03/2023 18:20					0
27/03/2023 18:30	0.6	86	6	1.4	0
27/03/2023 18:40	0	238	0	0.4	0
27/03/2023 18:50	0	306	1	0.4	0
27/03/2023 19:00	0.3	319	4	0.8	0
27/03/2023 19:10	0.1	307	3	0.4	0
27/03/2023 19:20					0
27/03/2023 19:30	0	261	0	0.4	0
27/03/2023 19:40					0



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/03/2023 19:50					0
27/03/2023 20:00	0	240	0	0.4	0
27/03/2023 20:10	0	316	0	0.4	0
27/03/2023 20:20	0.1	12	3	0.5	0
27/03/2023 20:30	0	340	0	0.4	0
27/03/2023 20:40	0	69	0	0.4	0
27/03/2023 20:50	0.2	301	4	0.5	0
27/03/2023 21:00					0
27/03/2023 21:10	0.4	167	11	0.7	0
27/03/2023 21:20	0.7	275	7	0.8	0
27/03/2023 21:30	0.6	244	10	1	0
27/03/2023 21:40	0.1	32	4	0.5	0
27/03/2023 21:50					0
27/03/2023 22:00	0.8	250	6	1.3	0
27/03/2023 22:10	0.8	243	9	1.3	0
27/03/2023 22:20	0.3	191	33	0.9	0
27/03/2023 22:30					0
27/03/2023 22:40	0.7	243	10	1.2	0
27/03/2023 22:50	0.7	265	13	1.4	0
27/03/2023 23:00	1.8	261	10	2.8	0
27/03/2023 23:10	1	292	18	1.9	0
27/03/2023 23:20	0.1	190	6	0.5	0
27/03/2023 23:30	0.2	104	11	1	0
27/03/2023 23:40	0.2	126	14	0.8	0
27/03/2023 23:50	0.3	82	16	0.9	0
28/03/2023 00:00	0.1	152	10	0.5	0
28/03/2023 00:10	0.1	132	5	0.4	0
28/03/2023 00:20	0.2	149	21	0.8	0
28/03/2023 00:30	0.3	212	9	0.7	0
28/03/2023 00:40	0.2	61	21	1.1	0
28/03/2023 00:50	0.6	15	29	1.7	0
28/03/2023 01:00	0.6	0	25	1.2	0
28/03/2023 01:10	0.3	217	23	1	0
28/03/2023 01:20	0.3	193	14	1	0
28/03/2023 01:30	0	132	8	0.5	0
28/03/2023 01:40	0.1	95	12	0.7	0
28/03/2023 01:50	0.1	197	1	0.6	0
28/03/2023 02:00	0.3	195	47	0.9	0
28/03/2023 02:10	0.2	247	15	1.2	0
28/03/2023 02:20	1.4	288	24	2.4	0
28/03/2023 02:30	1.3	268	13	2.4	0
28/03/2023 02:40	2	262	11	2.6	0
28/03/2023 02:50	2	272	16	2.8	0
28/03/2023 03:00	2	265	11	2.8	0
28/03/2023 03:10	1.9	269	15	2.9	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/03/2023 03:20	2.1	255	10	2.8	0
28/03/2023 03:30	2.2	261	9	3.2	0
28/03/2023 03:40	2.4	262	8	3.2	0
28/03/2023 03:50	2.3	262	9	2.8	0
28/03/2023 04:00	2.1	262	10	3	0
28/03/2023 04:10	1.8	257	8	2.4	0
28/03/2023 04:20	1.1	267	10	1.7	0
28/03/2023 04:30	0.5	219	21	1	0
28/03/2023 04:40	0.3	173	19	0.8	0
28/03/2023 04:50	0.9	250	13	1.4	0
28/03/2023 05:00	1.4	246	10	2	0
28/03/2023 05:10	1.6	258	8	2.2	0
28/03/2023 05:20	1.6	245	16	2.1	0
28/03/2023 05:30	0.2	152	8	0.6	0
28/03/2023 05:40	0	149	2	0.4	0
28/03/2023 05:50	0	289	0	0.4	0
28/03/2023 06:00					0
28/03/2023 06:10					0
28/03/2023 06:20	0	248	0	0.4	0
28/03/2023 06:30	0.7	138	7	1.1	0
28/03/2023 06:40	0.3	140	14	0.9	0
28/03/2023 06:50	0.6	120	10	0.8	0
28/03/2023 07:00	0.2	114	5	0.8	0
28/03/2023 07:10	0.1	160	11	0.9	0
28/03/2023 07:20	0.8	125	15	1.5	0
28/03/2023 07:30	0.9	137	22	1.6	0
28/03/2023 07:40	0.4	145	20	1.1	0
28/03/2023 07:50	0.3	207	16	0.8	0
28/03/2023 08:00	1.2	220	16	1.8	0
28/03/2023 08:10	0.6	165	30	1.6	0
28/03/2023 08:20	0.4	234	41	1.6	0
28/03/2023 08:30	0.3	82	44	1.2	0
28/03/2023 08:40	0.8	142	39	1.8	0
28/03/2023 08:50	0.8	86	84	1.6	0
28/03/2023 09:00	0.9	292	82	1.8	0
28/03/2023 09:10	1	237	65	2.6	0
28/03/2023 09:20	1.1	249	85	1.8	0
28/03/2023 09:30	0.9	105	70	1.7	0
28/03/2023 09:40	1.3	132	44	2.2	0
28/03/2023 09:50	1.6	140	41	2.7	0
28/03/2023 10:00	1.3	123	68	2.4	0
28/03/2023 10:10	1	295	76	1.9	0
28/03/2023 10:20	1.4	140	28	2.4	0
28/03/2023 10:30	1.2	140	34	2	0
28/03/2023 10:40	1.4	132	28	2.3	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/03/2023 10:50	1.7	140	18	2.4	0
28/03/2023 11:00	1.4	150	30	2.1	0
28/03/2023 11:10	0.6	170	39	1.4	0
28/03/2023 11:20	1	205	35	1.8	0
28/03/2023 11:30	0.5	253	28	1.2	0
28/03/2023 11:40	1	205	48	2.1	0
28/03/2023 11:50	0.9	202	33	1.8	0
28/03/2023 12:00	1.2	246	30	1.9	0
28/03/2023 12:10	1.5	263	15	2.4	0
28/03/2023 12:20	1.4	233	30	2.1	0
28/03/2023 12:30	1.1	238	33	2	0
28/03/2023 12:40	1.2	266	25	2	0
28/03/2023 12:50	1.3	270	19	1.8	0
28/03/2023 13:00	1.6	244	21	2.6	0
28/03/2023 13:10	1.8	249	17	2.8	0
28/03/2023 13:20	1.8	256	13	2.8	0
28/03/2023 13:30	1.4	285	23	2.4	0
28/03/2023 13:40	0.9	166	43	1.9	0
28/03/2023 13:50	1.7	254	13	2.5	0
28/03/2023 14:00	1.5	241	16	2.4	0.1
28/03/2023 14:10	1.6	255	16	2.3	0.1
28/03/2023 14:20	1.1	229	19	1.6	0
28/03/2023 14:30	1.7	246	15	2.4	0
28/03/2023 14:40	2.1	246	13	2.7	0.1
28/03/2023 14:50	0.9	228	17	1.7	0
28/03/2023 15:00	0.7	267	15	1.7	0
28/03/2023 15:10	1.1	235	38	2	0
28/03/2023 15:20	0.8	160	34	1.2	0
28/03/2023 15:30	1.3	251	19	2.2	0.1
28/03/2023 15:40	1.9	255	16	2.7	0
28/03/2023 15:50	1.9	269	12	2.5	0
28/03/2023 16:00	2.1	254	16	3.1	0
28/03/2023 16:10	2.3	260	13	2.9	0
28/03/2023 16:20	2.7	257	10	3.6	0.1
28/03/2023 16:30	2.4	243	9	3.2	0
28/03/2023 16:40	2.3	258	12	3.2	0
28/03/2023 16:50	2.4	254	11	3.3	0
28/03/2023 17:00	2.4	254	12	3.2	0
28/03/2023 17:10	2.9	259	9	4.1	0
28/03/2023 17:20	3.3	262	10	4.3	0
28/03/2023 17:30	3.2	258	11	4.5	0
28/03/2023 17:40	3.2	262	10	4.1	0
28/03/2023 17:50	3.2	262	12	4	0
28/03/2023 18:00	3.5	260	10	4.9	0.1
28/03/2023 18:10	3.9	255	11	5.2	0.2



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/03/2023 18:20	4.1	258	10	5.5	0.2
28/03/2023 18:30	3.8	256	12	5.4	0.3
28/03/2023 18:40	2.8	249	15	4.2	0.2
28/03/2023 18:50	3.1	240	13	4.5	0
28/03/2023 19:00	2.9	238	14	4.4	0
28/03/2023 19:10	3.1	243	14	4.5	0.3
28/03/2023 19:20	2.7	236	15	4	0.2
28/03/2023 19:30	2.2	230	17	3.2	0
28/03/2023 19:40	1.5	238	15	2.5	0
28/03/2023 19:50	1.5	255	11	2	0
28/03/2023 20:00	2.3	251	9	2.8	0
28/03/2023 20:10	2.2	254	8	2.6	0.1
28/03/2023 20:20	1.3	258	8	2.3	0.2
28/03/2023 20:30	0.7	99	10	1.4	0.1
28/03/2023 20:40					0.1
28/03/2023 20:50	0.7	51	9	1.1	0
28/03/2023 21:00	1.3	75	6	1.6	0.2
28/03/2023 21:10	2	90	8	2.7	0.1
28/03/2023 21:20	2.5	97	9	3.4	0.1
28/03/2023 21:30	1.7	116	16	2.9	0.3
28/03/2023 21:40	0.3	180	21	0.8	0.2
28/03/2023 21:50	0.5	88	16	1.1	0.2
28/03/2023 22:00	0.7	106	11	1.1	0
28/03/2023 22:10	0.9	50	11	1.4	0.2
28/03/2023 22:20	1.2	100	15	1.7	0.1
28/03/2023 22:30	1.9	100	13	2.7	0
28/03/2023 22:40	1.7	96	11	2.4	0.2
28/03/2023 22:50	0.9	100	20	1.3	0.3
28/03/2023 23:00	1.8	115	11	2.5	0.3
28/03/2023 23:10	1.5	127	13	2.4	0
28/03/2023 23:20	0.5	124	12	1.2	0.1
28/03/2023 23:30	0	336	1	0.4	0.2
28/03/2023 23:40	0.1	227	5	0.9	0
28/03/2023 23:50	0.6	224	31	1.3	0
29/03/2023 00:00	1.4	240	16	2.2	0
29/03/2023 00:10	0.2	142	10	0.8	0.1
29/03/2023 00:20	0.2	34	4	0.8	0.5
29/03/2023 00:30					0
29/03/2023 00:40	0.2	321	3	0.6	0
29/03/2023 00:50					0
29/03/2023 01:00					0
29/03/2023 01:10					0.1
29/03/2023 01:20	0.1	110	2	0.6	0
29/03/2023 01:30	0.4	137	6	0.9	0
29/03/2023 01:40					0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/03/2023 01:50					0
29/03/2023 02:00	0.3	304	2	0.7	0
29/03/2023 02:10	0	165	4	0.4	0
29/03/2023 02:20	0.5	285	5	0.9	0
29/03/2023 02:30	0.5	129	48	1.2	0
29/03/2023 02:40					0
29/03/2023 02:50					0
29/03/2023 03:00	0.3	228	9	0.7	0
29/03/2023 03:10					0
29/03/2023 03:20	1	90	11	1.8	0
29/03/2023 03:30	2	90	8	2.6	0
29/03/2023 03:40	1.9	90	10	2.7	0
29/03/2023 03:50	2.1	81	9	2.7	0
29/03/2023 04:00	2	81	7	2.7	0
29/03/2023 04:10	1.7	83	11	2.4	0
29/03/2023 04:20	1.3	65	6	1.7	0
29/03/2023 04:30	1	78	7	1.5	0
29/03/2023 04:40	1.3	84	7	1.8	0
29/03/2023 04:50	1.5	85	8	2.1	0
29/03/2023 05:00	1.9	81	8	2.8	0
29/03/2023 05:10	1.8	84	8	2.4	0
29/03/2023 05:20	1.3	82	9	2.2	0
29/03/2023 05:30	1	77	8	1.5	0
29/03/2023 05:40	1.5	82	9	2.2	0
29/03/2023 05:50	2.5	81	8	3.4	0
29/03/2023 06:00	2.3	85	10	3.2	0
29/03/2023 06:10	2.4	81	9	3.5	0
29/03/2023 06:20	1.9	86	8	2.7	0
29/03/2023 06:30	1.8	78	10	2.7	0
29/03/2023 06:40	2.1	80	8	2.8	0
29/03/2023 06:50	2.1	81	9	3.6	0
29/03/2023 07:00	2.1	79	8	3.1	0
29/03/2023 07:10	2.1	79	10	2.9	0
29/03/2023 07:20	2.4	73	8	3.3	0
29/03/2023 07:30	3	74	8	4.4	0
29/03/2023 07:40	3.4	78	9	4.8	0
29/03/2023 07:50	3.8	78	9	4.8	0
29/03/2023 08:00	3.3	87	11	4.6	0
29/03/2023 08:10	3.3	86	12	4.6	0
29/03/2023 08:20	3.4	85	11	4.7	0
29/03/2023 08:30	3.9	91	10	5.5	0
29/03/2023 08:40	3.8	100	11	5.2	0
29/03/2023 08:50	3.4	89	12	4.8	0
29/03/2023 09:00	3.3	90	12	4.8	0
29/03/2023 09:10	3.6	88	10	5.1	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/03/2023 09:20	3.4	87	11	4.9	0
29/03/2023 09:30	3	87	11	4.2	0
29/03/2023 09:40	2.9	90	11	3.9	0
29/03/2023 09:50	3	91	13	4.3	0
29/03/2023 10:00	2.8	89	13	3.9	0
29/03/2023 10:10	3.2	94	11	4.3	0.1
29/03/2023 10:20	3.6	85	11	5.4	0.5
29/03/2023 10:30	2.8	99	12	3.7	0.1
29/03/2023 10:40	2.4	105	10	3.1	0
29/03/2023 10:50	2.9	125	14	4.4	0
29/03/2023 11:00	2.4	135	21	3.5	0
29/03/2023 11:10	1.6	103	16	2.3	0
29/03/2023 11:20	2.2	97	11	3.2	0.1
29/03/2023 11:30	1.9	110	14	2.8	0.1
29/03/2023 11:40	1.7	117	14	2.6	0.1
29/03/2023 11:50	1.2	117	14	1.9	0.2
29/03/2023 12:00	1.7	128	16	2.3	0.1
29/03/2023 12:10	1.7	120	14	2.3	0
29/03/2023 12:20	2.1	112	13	3	0
29/03/2023 12:30	1.8	126	15	2.8	0
29/03/2023 12:40	2.3	112	14	3.9	0
29/03/2023 12:50	2.7	90	14	4	0
29/03/2023 13:00	3.3	69	11	4.4	0.3
29/03/2023 13:10	1.6	89	17	2.4	0.1
29/03/2023 13:20	2.7	80	14	4.1	0
29/03/2023 13:30	2.3	61	14	3.4	0.1
29/03/2023 13:40	1.7	189	44	2.8	0.4
29/03/2023 13:50	2.1	200	37	4	0.1
29/03/2023 14:00	2.4	332	27	4.1	0.1
29/03/2023 14:10	2.1	311	24	4.4	0
29/03/2023 14:20	2.1	233	17	3.2	0.3
29/03/2023 14:30	1.4	235	65	2.9	0.2
29/03/2023 14:40	1.4	198	71	2.5	0
29/03/2023 14:50	1.4	81	29	2.3	0.2
29/03/2023 15:00	1.5	78	22	2.1	0
29/03/2023 15:10	1.4	30	27	2.1	0
29/03/2023 15:20	1.3	12	22	2.3	0
29/03/2023 15:30	0.6	182	35	1.2	0
29/03/2023 15:40	0.9	67	11	1.7	0
29/03/2023 15:50	1.8	58	15	2.8	0
29/03/2023 16:00	3.3	58	11	4.5	0
29/03/2023 16:10	3.5	61	11	4.9	0
29/03/2023 16:20	3.2	54	15	4.7	0
29/03/2023 16:30	4.5	51	14	6.5	0
29/03/2023 16:40	4.3	39	13	6.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/03/2023 16:50	3.7	36	14	5.2	0
29/03/2023 17:00	3.4	37	15	4.8	0
29/03/2023 17:10	2.8	29	16	4.6	0
29/03/2023 17:20	2.5	41	17	3.8	0
29/03/2023 17:30	2.5	48	15	3.7	0
29/03/2023 17:40	2.5	47	17	3.6	0
29/03/2023 17:50	2.7	54	13	4	0
29/03/2023 18:00	2.8	47	14	4.2	0
29/03/2023 18:10	2.8	35	20	4.6	0
29/03/2023 18:20	2.4	45	15	3.4	0
29/03/2023 18:30	2.8	49	14	4.1	0
29/03/2023 18:40	2.8	51	13	4.2	0
29/03/2023 18:50	2.7	42	14	4	0
29/03/2023 19:00	2.2	38	16	3.6	0
29/03/2023 19:10	1.8	51	17	2.9	0
29/03/2023 19:20	2.2	69	11	3	0
29/03/2023 19:30	2.4	44	17	3.6	0
29/03/2023 19:40	2.3	29	18	3.9	0
29/03/2023 19:50	2.5	30	17	4	0
29/03/2023 20:00	2.6	28	16	4.4	0
29/03/2023 20:10	1.9	23	17	3.5	0
29/03/2023 20:20	1.7	42	17	3.2	0
29/03/2023 20:30	2.2	33	14	3.4	0
29/03/2023 20:40	2.2	28	18	3.2	0
29/03/2023 20:50	2.4	27	15	3.7	0
29/03/2023 21:00	2.1	27	17	3.9	0
29/03/2023 21:10	2.1	22	17	3.5	0
29/03/2023 21:20	1.8	34	16	3.2	0
29/03/2023 21:30	3	60	10	4.2	0
29/03/2023 21:40	3.2	45	16	4.5	0
29/03/2023 21:50	3	47	12	4.2	0
29/03/2023 22:00	2.3	39	15	4.7	0
29/03/2023 22:10	2.3	38	14	3.9	0
29/03/2023 22:20	2.6	34	16	4.8	0
29/03/2023 22:30	3.1	34	16	5	0
29/03/2023 22:40	2.9	30	17	4.6	0
29/03/2023 22:50	2.6	29	17	4.4	0
29/03/2023 23:00	2.7	27	19	4.8	0
29/03/2023 23:10	3.4	30	17	5.6	0
29/03/2023 23:20	3.3	25	18	5.3	0
29/03/2023 23:30	3.7	20	16	5.7	0
29/03/2023 23:40	3.2	20	18	5.5	0
29/03/2023 23:50	2.6	19	18	4.6	0
30/03/2023 00:00	2.9	25	15	4.5	0
30/03/2023 00:10	2.8	27	16	4.4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/03/2023 00:20	2.8	21	20	4.8	0
30/03/2023 00:30	2.5	19	18	4.1	0
30/03/2023 00:40	2.9	32	16	4.4	0
30/03/2023 00:50	3.4	20	20	5.3	0
30/03/2023 01:00	2.9	27	16	4.4	0
30/03/2023 01:10	2.8	16	18	4.6	0
30/03/2023 01:20	2.9	21	17	4.9	0
30/03/2023 01:30	3.2	19	18	5.4	0
30/03/2023 01:40	3.8	14	16	6	0
30/03/2023 01:50	3.1	30	16	4.6	0
30/03/2023 02:00	2	37	15	3.2	0
30/03/2023 02:10	2.8	35	17	4.4	0
30/03/2023 02:20	2.9	29	17	4.8	0
30/03/2023 02:30	2.5	28	16	4.3	0
30/03/2023 02:40	2.4	28	17	3.9	0
30/03/2023 02:50	2.7	20	20	4.6	0
30/03/2023 03:00	2.8	14	19	4.8	0
30/03/2023 03:10	2.9	8	20	4.8	0
30/03/2023 03:20	3	14	22	5	0
30/03/2023 03:30	2.7	20	25	4.4	0
30/03/2023 03:40	2.7	19	20	5.2	0
30/03/2023 03:50	3.5	17	19	6.2	0
30/03/2023 04:00	3.5	13	17	5.4	0
30/03/2023 04:10	3.2	17	26	5.4	0
30/03/2023 04:20	2.7	25	21	4.4	0
30/03/2023 04:30	2.8	21	20	4.5	0
30/03/2023 04:40	2.8	21	18	5	0
30/03/2023 04:50	3.3	23	18	5.2	0
30/03/2023 05:00	3.1	21	24	5.2	0
30/03/2023 05:10	3.3	15	19	5.3	0
30/03/2023 05:20	2.8	14	19	4.2	0
30/03/2023 05:30	2.6	176	29	4.9	0
30/03/2023 05:40	3.4	189	23	5.9	0
30/03/2023 05:50	3.8	19	22	5.8	0
30/03/2023 06:00	3.9	17	21	7.1	0
30/03/2023 06:10	3.6	330	27	6.2	0
30/03/2023 06:20	5.4	300	12	7.8	0
30/03/2023 06:30	3.4	314	24	5.6	0
30/03/2023 06:40	3.8	307	20	6	0
30/03/2023 06:50	4.8	307	20	7.9	0
30/03/2023 07:00	5.5	294	16	9.5	0.3
30/03/2023 07:10	6.4	294	12	9	0.2
30/03/2023 07:20	3.6	280	15	5.2	0.2
30/03/2023 07:30	2.8	297	16	4.5	0.1
30/03/2023 07:40	3.7	300	13	5.3	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/03/2023 07:50	3.3	296	18	5.1	0
30/03/2023 08:00	2.9	290	18	4.7	0.3
30/03/2023 08:10	2.7	269	15	4	0.2
30/03/2023 08:20	2.6	293	19	4.4	0
30/03/2023 08:30	1.8	300	38	3.6	0
30/03/2023 08:40	2.3	281	16	3.7	0
30/03/2023 08:50	3	184	35	6.9	0.3
30/03/2023 09:00	2.5	22	31	4.2	0.1
30/03/2023 09:10	4.8	288	16	6.9	0.1
30/03/2023 09:20	3.7	283	16	5.1	0.1
30/03/2023 09:30	3.8	281	15	5.6	0.1
30/03/2023 09:40	3.1	272	15	4.3	0
30/03/2023 09:50	3.5	278	16	5.2	0
30/03/2023 10:00	3.2	279	16	4.8	0
30/03/2023 10:10	3	276	16	4.4	0
30/03/2023 10:20	3.1	267	13	4.3	0
30/03/2023 10:30	2.8	263	12	4.3	0
30/03/2023 10:40	3.2	263	9	4.1	0
30/03/2023 10:50	2.6	262	10	3.6	0
30/03/2023 11:00	2.2	267	15	3.4	0
30/03/2023 11:10	2.7	260	12	3.6	0
30/03/2023 11:20	2.6	269	16	3.5	0
30/03/2023 11:30	2.5	259	21	3.5	0
30/03/2023 11:40	2.8	247	14	4.3	0
30/03/2023 11:50	2.8	251	14	4.4	0
30/03/2023 12:00	3.3	262	12	4.6	0
30/03/2023 12:10	2.8	271	18	4.1	0
30/03/2023 12:20	3.4	271	20	4.9	0
30/03/2023 12:30	3	278	22	4.4	0
30/03/2023 12:40	3.4	282	21	5.1	0
30/03/2023 12:50	3.1	273	17	4.3	0
30/03/2023 13:00	3.3	286	20	4.8	0
30/03/2023 13:10	3.5	285	18	4.6	0
30/03/2023 13:20	3.7	273	18	5.5	0
30/03/2023 13:30	3.5	284	17	5	0
30/03/2023 13:40	3.3	287	19	4.4	0
30/03/2023 13:50	3.1	294	19	5	0
30/03/2023 14:00	3.6	288	20	5	0
30/03/2023 14:10	3.6	288	18	4.9	0
30/03/2023 14:20	3.6	289	17	4.8	0
30/03/2023 14:30	3.6	288	17	5.6	0
30/03/2023 14:40	3.5	282	15	4.9	0
30/03/2023 14:50	3.5	290	15	4.9	0
30/03/2023 15:00	3.3	295	14	4.6	0
30/03/2023 15:10	2.9	293	24	4.6	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/03/2023 15:20	3.2	301	14	5	0
30/03/2023 15:30	3.1	290	22	4.8	0
30/03/2023 15:40	3.2	285	16	4.4	0
30/03/2023 15:50	3.3	293	22	5.3	0
30/03/2023 16:00	3.2	288	23	4.6	0
30/03/2023 16:10	3.1	291	17	4.2	0
30/03/2023 16:20	3	293	15	4.8	0
30/03/2023 16:30	3.5	288	15	5	0
30/03/2023 16:40	3.3	290	15	4.9	0
30/03/2023 16:50	3.5	283	17	5.1	0
30/03/2023 17:00	3.1	293	14	4.7	0
30/03/2023 17:10	3.2	286	15	4.2	0
30/03/2023 17:20	3.2	280	18	4.5	0
30/03/2023 17:30	3.1	286	16	4.6	0
30/03/2023 17:40	2.9	292	17	4	0
30/03/2023 17:50	2.8	275	16	3.7	0
30/03/2023 18:00	3	268	14	3.9	0
30/03/2023 18:10	3	270	15	4.3	0
30/03/2023 18:20	2.7	272	15	3.7	0
30/03/2023 18:30	2.5	280	15	3.5	0
30/03/2023 18:40	2.4	275	16	3.8	0
30/03/2023 18:50	2.6	277	14	3.6	0
30/03/2023 19:00	2.6	270	13	3.5	0
30/03/2023 19:10	2.6	266	12	3.4	0
30/03/2023 19:20	2.3	264	11	3.4	0
30/03/2023 19:30	2.4	265	11	3.2	0
30/03/2023 19:40	1.9	267	11	2.8	0
30/03/2023 19:50	2.3	258	10	3.1	0
30/03/2023 20:00	2	265	12	3	0
30/03/2023 20:10	2.6	263	10	3.6	0
30/03/2023 20:20	2.6	262	9	3.5	0
30/03/2023 20:30	2.3	257	8	3.2	0
30/03/2023 20:40	2.5	261	9	3.4	0
30/03/2023 20:50	2.6	261	8	3.4	0
30/03/2023 21:00	2.4	260	9	3.1	0
30/03/2023 21:10	2.4	259	7	2.9	0
30/03/2023 21:20	2	258	8	2.8	0
30/03/2023 21:30	2.2	263	7	2.8	0
30/03/2023 21:40	2.1	260	8	2.7	0
30/03/2023 21:50	1.6	262	9	2.5	0
30/03/2023 22:00	1.5	261	10	2.5	0
30/03/2023 22:10	1.9	264	11	2.7	0
30/03/2023 22:20	1.2	263	9	2	0
30/03/2023 22:30	1	265	11	2	0
30/03/2023 22:40	1.2	261	12	2.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/03/2023 22:50	2	259	7	2.5	0
30/03/2023 23:00	2.2	256	8	2.8	0
30/03/2023 23:10	1.8	260	8	2.6	0
30/03/2023 23:20	2.2	256	8	2.8	0
30/03/2023 23:30	2.3	264	9	3.1	0
30/03/2023 23:40	2.4	258	8	3	0
30/03/2023 23:50	1.8	259	10	2.8	0
31/03/2023 00:00	1.8	258	10	2.4	0
31/03/2023 00:10	1.6	257	12	2.3	0
31/03/2023 00:20	1.8	256	9	2.3	0
31/03/2023 00:30	1.7	257	8	2.5	0
31/03/2023 00:40	1.5	260	8	2.2	0
31/03/2023 00:50	1.9	258	8	2.6	0
31/03/2023 01:00	0.8	260	11	1.8	0
31/03/2023 01:10	1.2	255	9	1.9	0
31/03/2023 01:20	0.1	176	11	0.4	0
31/03/2023 01:30	0	170	4	0.4	0
31/03/2023 01:40	0	184	1	0.4	0
31/03/2023 01:50					0
31/03/2023 02:00	0.1	134	13	0.6	0
31/03/2023 02:10	0	280	0	0.4	0
31/03/2023 02:20					0
31/03/2023 02:30	0	116	12	0.4	0
31/03/2023 02:40	0.2	228	14	0.6	0
31/03/2023 02:50					0
31/03/2023 03:00	0.1	205	9	0.5	0
31/03/2023 03:10	0.1	255	36	0.6	0
31/03/2023 03:20	0.6	227	11	1	0
31/03/2023 03:30	0.7	222	18	1.3	0
31/03/2023 03:40	0.2	89	18	0.7	0
31/03/2023 03:50	0.1	165	7	0.6	0
31/03/2023 04:00	0.6	228	24	1.1	0
31/03/2023 04:10	0.3	254	15	1	0
31/03/2023 04:20	0.3	217	18	1	0
31/03/2023 04:30	0.5	122	17	1.2	0
31/03/2023 04:40	0.9	180	21	1.5	0
31/03/2023 04:50	0.8	169	50	1.6	0
31/03/2023 05:00	0.6	139	27	1.3	0
31/03/2023 05:10	0.6	168	30	1.3	0
31/03/2023 05:20	0.6	270	19	1.1	0
31/03/2023 05:30	0.5	84	15	1.2	0
31/03/2023 05:40	0.2	212	38	0.8	0
31/03/2023 05:50					0
31/03/2023 06:00	0.5	304	10	1	0
31/03/2023 06:10	0.5	145	8	1.1	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/03/2023 06:20	0.6	112	11	0.9	0
31/03/2023 06:30					0
31/03/2023 06:40					0
31/03/2023 06:50	0.8	96	16	1.3	0
31/03/2023 07:00	1.3	118	10	1.8	0
31/03/2023 07:10	0.9	127	20	1.4	0
31/03/2023 07:20	1.1	140	19	1.7	0
31/03/2023 07:30	1.1	106	17	1.8	0
31/03/2023 07:40	1.2	128	16	2.6	0
31/03/2023 07:50	2.8	109	13	3.7	0
31/03/2023 08:00	2.8	115	14	3.6	0
31/03/2023 08:10	2.6	112	13	3.9	0
31/03/2023 08:20	2.6	107	10	3.9	0
31/03/2023 08:30	2.4	118	14	3.6	0
31/03/2023 08:40	1.8	116	15	3.2	0
31/03/2023 08:50	0.4	97	16	1.1	0
31/03/2023 09:00	0.9	210	33	2.6	0
31/03/2023 09:10	0.5	128	17	1.2	0
31/03/2023 09:20	0.7	133	17	1.6	0
31/03/2023 09:30	0.8	127	23	2.2	0
31/03/2023 09:40	1.6	237	16	2.9	0
31/03/2023 09:50	0.1	214	12	0.6	0.2
31/03/2023 10:00	0.7	180	27	2.4	0
31/03/2023 10:10	1.7	211	23	2.8	0
31/03/2023 10:20	0.5	211	21	1.5	0
31/03/2023 10:30	0.5	210	22	1.5	0
31/03/2023 10:40	1.1	249	35	4	0.1
31/03/2023 10:50	1.2	311	50	2.7	0
31/03/2023 11:00	1.7	186	50	3.4	0
31/03/2023 11:10	2.2	23	26	3.5	0
31/03/2023 11:20	2.2	9	40	3.4	0
31/03/2023 11:30	2.5	11	28	4.3	0
31/03/2023 11:40	2.7	178	39	4.3	0
31/03/2023 11:50	3.1	191	28	4.9	0
31/03/2023 12:00	3.2	188	25	5.1	0
31/03/2023 12:10	3.1	181	29	4.9	0
31/03/2023 12:20	2.7	345	30	4.2	0
31/03/2023 12:30	3	331	31	5.5	0
31/03/2023 12:40	3.4	321	29	5.2	0
31/03/2023 12:50	3.3	346	26	4.9	0
31/03/2023 13:00	2.9	341	35	5.1	0
31/03/2023 13:10	3.9	358	20	5.8	0
31/03/2023 13:20	3.6	344	22	5.8	0
31/03/2023 13:30	3.7	9	24	5.8	0
31/03/2023 13:40	3.7	184	25	6.1	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/03/2023 13:50	3.2	10	22	5.4	0
31/03/2023 14:00	3.5	15	24	5.3	0
31/03/2023 14:10	3.5	15	23	5.7	0
31/03/2023 14:20	3.6	190	22	5.4	0
31/03/2023 14:30	3.5	16	22	5.4	0
31/03/2023 14:40	2.9	8	18	4.8	0
31/03/2023 14:50	3.9	7	25	5.6	0
31/03/2023 15:00	3.6	4	25	5.8	0
31/03/2023 15:10	3.6	13	21	5.2	0
31/03/2023 15:20	3.4	3	21	5.1	0
31/03/2023 15:30	3.6	4	19	5.2	0
31/03/2023 15:40	3.4	183	21	5.6	0
31/03/2023 15:50	3.3	13	20	5.1	0
31/03/2023 16:00	2.8	20	24	4.6	0
31/03/2023 16:10	3.1	21	22	4.8	0
31/03/2023 16:20	3	13	27	4.8	0
31/03/2023 16:30	2.9	7	25	4.7	0
31/03/2023 16:40	2.8	14	24	5	0
31/03/2023 16:50	3	16	23	4.5	0
31/03/2023 17:00	2.8	26	22	4.1	0
31/03/2023 17:10	2.8	16	25	4.5	0
31/03/2023 17:20	2.8	23	22	4.2	0
31/03/2023 17:30	2.8	17	23	4.3	0
31/03/2023 17:40	2.4	30	22	4	0
31/03/2023 17:50	2.7	21	21	4.2	0
31/03/2023 18:00	2.7	31	21	3.7	0
31/03/2023 18:10	2.6	27	20	4.4	0
31/03/2023 18:20	2.4	26	22	3.8	0
31/03/2023 18:30	2.3	187	30	4	0
31/03/2023 18:40	1.6	188	26	3.2	0
31/03/2023 18:50	1.9	29	40	3.2	0
31/03/2023 19:00	2.5	27	17	3.6	0
31/03/2023 19:10	2.1	15	26	3.6	0
31/03/2023 19:20	2.1	20	23	3.3	0
31/03/2023 19:30	2.1	15	23	3.5	0
31/03/2023 19:40	2.3	24	22	4.3	0
31/03/2023 19:50	2.5	29	19	4	0
31/03/2023 20:00	2.4	22	22	3.8	0
31/03/2023 20:10	2.6	30	15	3.7	0
31/03/2023 20:20	1.7	183	24	2.9	0
31/03/2023 20:30	2.1	17	25	3.3	0
31/03/2023 20:40	3	28	14	4.3	0
31/03/2023 20:50	2.8	24	14	3.7	0
31/03/2023 21:00	2.8	24	13	3.9	0
31/03/2023 21:10	2.9	28	14	3.9	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/03/2023 21:20	2.9	30	15	4	0
31/03/2023 21:30	2.4	36	16	3.7	0
31/03/2023 21:40	2.6	35	17	3.6	0
31/03/2023 21:50	2.4	41	17	3.8	0
31/03/2023 22:00	1.8	49	19	2.8	0
31/03/2023 22:10	2.4	44	16	3.2	0
31/03/2023 22:20	2.4	38	16	3.9	0
31/03/2023 22:30	2.3	41	17	3.5	0
31/03/2023 22:40	2	53	13	2.5	0
31/03/2023 22:50	2.2	44	17	3.2	0
31/03/2023 23:00	2.3	43	18	3.3	0
31/03/2023 23:10	1.8	46	15	2.7	0
31/03/2023 23:20	1.6	26	19	2.8	0
31/03/2023 23:30	1.8	33	16	2.5	0
31/03/2023 23:40	1.5	59	16	2.4	0
31/03/2023 23:50	1.6	32	15	2.4	0
01/04/2023 00:00	2	44	17	2.9	0
01/04/2023 00:10	1.9	45	18	2.7	0
01/04/2023 00:20	2.3	26	16	3.5	0
01/04/2023 00:30	2.3	27	16	3	0
01/04/2023 00:40	2.2	32	16	3.7	0
01/04/2023 00:50	2	31	18	2.9	0
01/04/2023 01:00	1.7	23	28	2.8	0
01/04/2023 01:10	1.7	32	20	3.2	0
01/04/2023 01:20	2	15	16	3.3	0
01/04/2023 01:30	1.8	30	17	2.8	0
01/04/2023 01:40	0.5	32	10	1.2	0
01/04/2023 01:50	0.3	78	16	1.8	0
01/04/2023 02:00	0.8	36	19	2.2	0
01/04/2023 02:10	1.7	59	10	2.4	0
01/04/2023 02:20	1.9	56	9	2.5	0
01/04/2023 02:30	1.9	56	7	2.2	0
01/04/2023 02:40	1.5	54	9	2.1	0
01/04/2023 02:50	1.5	49	9	2.2	0
01/04/2023 03:00	1.9	59	9	2.4	0
01/04/2023 03:10	1.7	56	7	2.2	0
01/04/2023 03:20	1.2	53	11	2.3	0
01/04/2023 03:30	0.6	64	6	1.3	0
01/04/2023 03:40	0	110	9	0.4	0
01/04/2023 03:50	0.1	153	13	1.4	0
01/04/2023 04:00	1.1	53	12	1.9	0
01/04/2023 04:10	1.5	41	14	2.4	0
01/04/2023 04:20	1.8	46	15	2.6	0
01/04/2023 04:30	1.5	43	16	2.2	0
01/04/2023 04:40	1.7	63	15	2.8	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/04/2023 04:50	1	47	21	1.7	0
01/04/2023 05:00	1	74	19	2	0
01/04/2023 05:10	0.4	103	6	1.6	0
01/04/2023 05:20	0.1	121	11	1.1	0
01/04/2023 05:30	0	152	4	0.4	0
01/04/2023 05:40	0	59	8	0.4	0
01/04/2023 05:50	0.3	64	7	0.8	0
01/04/2023 06:00	0.3	129	17	0.7	0
01/04/2023 06:10	0.1	243	12	0.4	0
01/04/2023 06:20	0.2	158	14	0.5	0
01/04/2023 06:30	0.2	140	38	0.6	0
01/04/2023 06:40	0.4	149	23	1.2	0
01/04/2023 06:50	0.7	95	16	1.2	0
01/04/2023 07:00	1.3	101	14	2.3	0
01/04/2023 07:10	1.6	90	13	2.7	0
01/04/2023 07:20	2	94	11	3.2	0
01/04/2023 07:30	1.9	99	12	2.9	0
01/04/2023 07:40	2	103	14	3	0
01/04/2023 07:50	2.4	111	9	2.9	0
01/04/2023 08:00	1.7	113	24	3	0
01/04/2023 08:10	2.1	133	19	3.4	0
01/04/2023 08:20	2.7	111	14	3.8	0
01/04/2023 08:30	2.7	108	14	3.9	0
01/04/2023 08:40	2.6	112	12	3.9	0
01/04/2023 08:50	2.9	107	13	3.7	0
01/04/2023 09:00	2.8	104	12	3.7	0
01/04/2023 09:10	2.9	93	15	4.3	0
01/04/2023 09:20	3.5	88	13	4.4	0
01/04/2023 09:30	3.2	77	13	4.2	0
01/04/2023 09:40	3.2	82	13	4.5	0
01/04/2023 09:50	3	94	17	4.4	0
01/04/2023 10:00	2.9	103	17	4.7	0
01/04/2023 10:10	3.3	108	17	4.7	0
01/04/2023 10:20	3.1	104	21	4.8	0
01/04/2023 10:30	3.2	121	17	4.7	0
01/04/2023 10:40	2.8	96	14	4.3	0
01/04/2023 10:50	2.2	94	28	3.6	0
01/04/2023 11:00	1.3	138	60	2.8	0
01/04/2023 11:10	2.2	102	23	3.6	0
01/04/2023 11:20	2.4	116	12	3.8	0
01/04/2023 11:30	2.1	111	29	3.3	0
01/04/2023 11:40	2.4	201	37	3.8	0
01/04/2023 11:50	2.3	12	21	3.5	0
01/04/2023 12:00	2.2	29	25	3.4	0
01/04/2023 12:10	2.6	22	26	4.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/04/2023 12:20	2.3	180	24	3.9	0
01/04/2023 12:30	1.7	5	32	2.9	0
01/04/2023 12:40	2.4	354	27	4	0
01/04/2023 12:50	2.4	6	29	3.7	0
01/04/2023 13:00	2.6	164	31	4.1	0
01/04/2023 13:10	2.4	343	32	4	0
01/04/2023 13:20	2.3	10	35	4	0
01/04/2023 13:30	2.2	341	33	3.9	0
01/04/2023 13:40	1.9	345	57	3.4	0
01/04/2023 13:50	2.5	185	35	4.2	0
01/04/2023 14:00	2.4	338	40	4	0
01/04/2023 14:10	2.9	336	28	4.7	0
01/04/2023 14:20	2.4	180	32	4.3	0
01/04/2023 14:30	2.6	10	21	4.5	0
01/04/2023 14:40	2.6	352	26	3.8	0
01/04/2023 14:50	2.7	340	29	4	0
01/04/2023 15:00	2.1	5	34	3.5	0
01/04/2023 15:10	3.1	300	22	4.9	0
01/04/2023 15:20	3.1	302	21	4.3	0
01/04/2023 15:30	2.9	307	16	4.1	0
01/04/2023 15:40	3.2	310	16	4.7	0
01/04/2023 15:50	3.1	309	21	5.1	0
01/04/2023 16:00	3.2	297	16	4.4	0
01/04/2023 16:10	3.3	295	16	5.1	0
01/04/2023 16:20	3.3	293	14	4.4	0
01/04/2023 16:30	3.4	297	17	4.8	0
01/04/2023 16:40	3.3	289	15	4.5	0
01/04/2023 16:50	3.5	295	14	4.8	0
01/04/2023 17:00	3.6	295	11	4.5	0
01/04/2023 17:10	3.4	296	14	4.6	0
01/04/2023 17:20	2.8	298	14	4	0
01/04/2023 17:30	1.9	324	39	3.1	0
01/04/2023 17:40	1.6	335	31	2.9	0
01/04/2023 17:50	1.7	319	35	3.1	0
01/04/2023 18:00	1.7	329	31	2.8	0
01/04/2023 18:10	1.6	311	32	3	0
01/04/2023 18:20	1.4	333	39	3	0
01/04/2023 18:30	1.8	320	37	3.6	0
01/04/2023 18:40	2.3	302	22	3.7	0
01/04/2023 18:50	2.4	308	18	3.8	0
01/04/2023 19:00	2	336	21	3.2	0
01/04/2023 19:10	2	329	30	3.2	0
01/04/2023 19:20	1.5	346	28	3	0
01/04/2023 19:30	2.3	21	23	3.7	0
01/04/2023 19:40	1.7	8	30	3	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/04/2023 19:50	1.7	334	31	3.5	0
01/04/2023 20:00	1.8	320	25	3.5	0
01/04/2023 20:10	2.2	307	23	3.7	0
01/04/2023 20:20	2.4	309	19	4.5	0
01/04/2023 20:30	1.5	317	41	2.8	0
01/04/2023 20:40	1.5	305	53	3.5	0
01/04/2023 20:50	2.1	310	20	3.5	0
01/04/2023 21:00	2.6	313	18	4.4	0
01/04/2023 21:10	2.7	299	15	3.9	0
01/04/2023 21:20	2.5	290	18	3.8	0
01/04/2023 21:30	2.9	291	15	4.3	0
01/04/2023 21:40	2.7	291	16	4	0
01/04/2023 21:50	2.9	284	16	4.1	0
01/04/2023 22:00	2.5	274	16	3.6	0
01/04/2023 22:10	2.7	272	16	3.9	0
01/04/2023 22:20	2.5	271	14	3.2	0
01/04/2023 22:30	2.3	269	15	3.2	0
01/04/2023 22:40	2.7	268	12	3.6	0
01/04/2023 22:50	2.6	273	14	4	0
01/04/2023 23:00	2.7	267	11	3.6	0
01/04/2023 23:10	2.7	263	9	3.2	0
01/04/2023 23:20	2.4	265	9	3.2	0
01/04/2023 23:30	2.6	266	11	3.4	0
01/04/2023 23:40	2.4	263	9	2.9	0
01/04/2023 23:50	2.4	261	8	3	0
02/04/2023 00:00	2.3	257	8	2.9	0
02/04/2023 00:10	1.9	254	8	2.4	0
02/04/2023 00:20	1.9	260	6	2.4	0
02/04/2023 00:30	1.8	255	6	2.3	0
02/04/2023 00:40	1.1	247	10	1.8	0
02/04/2023 00:50	0.4	250	6	1.4	0
02/04/2023 01:00	0.8	243	10	1.6	0
02/04/2023 01:10	2	253	8	2.7	0
02/04/2023 01:20	2.1	261	6	2.6	0
02/04/2023 01:30	1.9	262	6	2.4	0
02/04/2023 01:40	2.3	262	6	2.9	0
02/04/2023 01:50	1.5	241	9	2.4	0
02/04/2023 02:00	0.5	249	7	1	0
02/04/2023 02:10	0.1	259	5	0.4	0
02/04/2023 02:20	0	291	2	0.4	0
02/04/2023 02:30	0.2	267	8	0.5	0
02/04/2023 02:40	0.1	267	3	0.5	0
02/04/2023 02:50	0.2	271	5	0.6	0
02/04/2023 03:00	0.3	265	6	0.7	0
02/04/2023 03:10	0.9	249	11	1.3	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/04/2023 03:20	0.2	109	19	0.6	0
02/04/2023 03:30	0.1	254	4	0.6	0
02/04/2023 03:40	0.2	241	5	0.8	0
02/04/2023 03:50	0.4	257	6	0.9	0
02/04/2023 04:00	0.2	37	9	0.8	0
02/04/2023 04:10	0.4	310	8	0.8	0
02/04/2023 04:20	0.2	251	8	0.8	0
02/04/2023 04:30					0
02/04/2023 04:40					0
02/04/2023 04:50	0.2	278	3	0.6	0
02/04/2023 05:00	0.3	273	7	0.7	0
02/04/2023 05:10	0.7	268	8	1	0
02/04/2023 05:20	0.9	249	10	1.3	0
02/04/2023 05:30	0.6	254	9	1.2	0
02/04/2023 05:40					0
02/04/2023 05:50	0.4	301	4	0.8	0
02/04/2023 06:00	0.2	270	4	0.8	0
02/04/2023 06:10	0	266	0	0.4	0
02/04/2023 06:20	0.7	288	9	1.1	0
02/04/2023 06:30	0.3	286	5	0.8	0
02/04/2023 06:40					0
02/04/2023 06:50	0	168	5	0.8	0
02/04/2023 07:00	0.3	213	9	0.9	0
02/04/2023 07:10	0.5	213	17	1.2	0
02/04/2023 07:20	1	212	37	1.6	0
02/04/2023 07:30	1.2	214	36	2.1	0
02/04/2023 07:40	1.8	216	17	2.7	0
02/04/2023 07:50	2	218	22	2.8	0
02/04/2023 08:00	1.7	219	22	2.6	0
02/04/2023 08:10	1.6	221	23	3.1	0
02/04/2023 08:20	1.8	219	42	3.2	0
02/04/2023 08:30	2.5	226	38	3.4	0
02/04/2023 08:40	2.3	224	31	3.9	0
02/04/2023 08:50	2.8	228	19	3.9	0
02/04/2023 09:00	2.4	235	27	3.7	0
02/04/2023 09:10	2.7	232	29	4.5	0
02/04/2023 09:20	2.9	229	18	4.4	0
02/04/2023 09:30	2.3	220	19	3.5	0
02/04/2023 09:40	2.2	237	21	4	0
02/04/2023 09:50	2.2	236	20	3.4	0
02/04/2023 10:00	2	241	28	3	0
02/04/2023 10:10	2.2	272	30	3.5	0
02/04/2023 10:20	2.6	250	19	3.6	0
02/04/2023 10:30	2.8	254	19	4	0
02/04/2023 10:40	3	262	18	4.4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/04/2023 10:50	3.4	265	17	4.8	0
02/04/2023 11:00	3.6	248	15	4.8	0
02/04/2023 11:10	3.6	263	18	4.6	0
02/04/2023 11:20	3.5	261	15	4.8	0
02/04/2023 11:30	3.5	274	15	5.1	0
02/04/2023 11:40	3.3	267	17	4.4	0
02/04/2023 11:50	3.4	272	18	4.8	0
02/04/2023 12:00	3.4	270	16	4.9	0
02/04/2023 12:10	3.3	278	16	4.9	0
02/04/2023 12:20	3.5	259	17	5	0
02/04/2023 12:30	3.7	255	13	5.2	0
02/04/2023 12:40	3.5	273	21	5.1	0
02/04/2023 12:50	3.5	284	20	4.8	0
02/04/2023 13:00	3.7	294	17	4.8	0
02/04/2023 13:10	3.7	294	21	5.7	0
02/04/2023 13:20	3.7	295	13	5.1	0
02/04/2023 13:30	4.2	297	12	5.4	0
02/04/2023 13:40	4.4	296	11	5.6	0
02/04/2023 13:50	4.7	296	9	5.6	0
02/04/2023 14:00	4.4	290	14	6	0
02/04/2023 14:10	4.4	290	13	6	0
02/04/2023 14:20	4.5	290	15	5.7	0
02/04/2023 14:30	4.3	289	13	5.6	0
02/04/2023 14:40	4.3	287	13	5.7	0
02/04/2023 14:50	4.6	295	12	6	0
02/04/2023 15:00	4.1	297	14	5.4	0
02/04/2023 15:10	4.1	299	12	5.6	0
02/04/2023 15:20	4.1	302	15	5.6	0
02/04/2023 15:30	3.9	301	16	5.5	0
02/04/2023 15:40	4	300	17	5.5	0
02/04/2023 15:50	3.9	301	16	5.6	0
02/04/2023 16:00	4.1	298	16	5.3	0
02/04/2023 16:10	3.8	301	15	5.7	0
02/04/2023 16:20	4.1	292	17	5.3	0
02/04/2023 16:30	3.9	289	14	5.3	0
02/04/2023 16:40	4.2	292	14	5.4	0
02/04/2023 16:50	3.9	294	15	4.9	0
02/04/2023 17:00	3.6	280	17	5	0
02/04/2023 17:10	3.6	284	16	5.1	0
02/04/2023 17:20	3.7	288	18	5.1	0
02/04/2023 17:30	3.6	287	17	4.7	0
02/04/2023 17:40	3.6	284	14	5	0
02/04/2023 17:50	3.4	279	15	4.8	0
02/04/2023 18:00	3.3	271	15	4.6	0
02/04/2023 18:10	3.4	279	14	4.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/04/2023 18:20	3.3	283	17	4.4	0
02/04/2023 18:30	3.1	287	14	4.4	0
02/04/2023 18:40	3.2	285	15	4.7	0
02/04/2023 18:50	3.3	286	13	4.6	0
02/04/2023 19:00	2.9	282	17	4.1	0
02/04/2023 19:10	3.1	274	18	4.4	0
02/04/2023 19:20	3.2	281	12	4.4	0
02/04/2023 19:30	3.1	279	14	4.2	0
02/04/2023 19:40	2.8	277	17	3.7	0
02/04/2023 19:50	2.5	277	15	3.4	0
02/04/2023 20:00	2.5	271	12	3.4	0
02/04/2023 20:10	2.5	271	15	3.7	0
02/04/2023 20:20	3.1	261	9	4	0
02/04/2023 20:30	2.9	267	16	4	0
02/04/2023 20:40	3.2	260	9	4.3	0
02/04/2023 20:50	3.2	261	10	4	0
02/04/2023 21:00	2.9	262	12	3.9	0
02/04/2023 21:10	2.9	257	12	3.7	0
02/04/2023 21:20	2.8	261	11	3.8	0
02/04/2023 21:30	2.8	258	9	3.6	0
02/04/2023 21:40	3.2	262	10	4	0
02/04/2023 21:50	2.7	261	10	3.6	0
02/04/2023 22:00	2.9	261	9	3.7	0
02/04/2023 22:10	2.6	262	10	3.5	0
02/04/2023 22:20	2.7	262	10	3.4	0
02/04/2023 22:30	3	261	10	4.1	0
02/04/2023 22:40	3.2	257	10	4	0
02/04/2023 22:50	3.3	262	10	4.2	0
02/04/2023 23:00	3.1	258	10	4.1	0
02/04/2023 23:10	2.8	265	10	3.6	0
02/04/2023 23:20	2.8	261	9	3.6	0
02/04/2023 23:30	3	261	10	4.3	0
02/04/2023 23:40	3.4	260	9	4.6	0
02/04/2023 23:50	3.1	260	11	4.3	0
03/04/2023 00:00	2.8	256	12	3.9	0
03/04/2023 00:10	3.3	259	9	4.1	0
03/04/2023 00:20	3.3	258	10	4.4	0
03/04/2023 00:30	3.4	260	10	4.7	0
03/04/2023 00:40	3.4	256	10	4.5	0
03/04/2023 00:50	3.8	262	10	5.1	0
03/04/2023 01:00	3.7	263	10	5	0
03/04/2023 01:10	3.9	263	8	5	0
03/04/2023 01:20	3.2	264	11	4.3	0
03/04/2023 01:30	3.2	264	10	4.1	0
03/04/2023 01:40	3.5	264	10	5.1	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/04/2023 01:50	3.4	264	9	4.9	0
03/04/2023 02:00	3.9	262	9	5.6	0
03/04/2023 02:10	3.9	263	9	5	0
03/04/2023 02:20	4.5	262	9	5.8	0
03/04/2023 02:30	4.2	261	9	5.4	0
03/04/2023 02:40	3.8	257	10	5.3	0
03/04/2023 02:50	3.7	257	10	5.1	0
03/04/2023 03:00	3.7	255	11	4.8	0
03/04/2023 03:10	3.6	257	12	4.7	0
03/04/2023 03:20	2.3	239	13	3.6	0
03/04/2023 03:30	2	234	14	3.6	0
03/04/2023 03:40	1.8	236	12	3.2	0
03/04/2023 03:50	1.7	237	13	2.8	0
03/04/2023 04:00	2.6	232	15	3.6	0
03/04/2023 04:10	2.2	237	13	3.1	0
03/04/2023 04:20	2.6	232	15	4.3	0
03/04/2023 04:30	2.7	229	14	3.6	0
03/04/2023 04:40	2.8	232	15	4.1	0
03/04/2023 04:50	2.7	231	15	4	0
03/04/2023 05:00	2.4	234	11	3.3	0
03/04/2023 05:10	2.7	241	13	3.8	0
03/04/2023 05:20	2.9	236	13	4.2	0
03/04/2023 05:30	2.7	235	14	4	0
03/04/2023 05:40	2.6	228	14	3.9	0
03/04/2023 05:50	2.5	229	14	3.7	0
03/04/2023 06:00	2.2	226	15	3.4	0
03/04/2023 06:10	2.5	230	16	3.5	0
03/04/2023 06:20	2.2	229	16	3.6	0
03/04/2023 06:30	2.2	228	17	3.6	0
03/04/2023 06:40	2	233	14	3	0
03/04/2023 06:50	2.4	229	14	3.2	0
03/04/2023 07:00	1.8	224	15	2.8	0
03/04/2023 07:10	1.7	223	16	2.7	0
03/04/2023 07:20	1.8	218	24	2.8	0
03/04/2023 07:30	2	219	21	3	0
03/04/2023 07:40	2.9	219	20	4.2	0
03/04/2023 07:50	3.4	219	14	4.6	0
03/04/2023 08:00	2.8	219	18	4.2	0
03/04/2023 08:10	3.1	224	24	4.4	0
03/04/2023 08:20	3	219	28	4.7	0
03/04/2023 08:30	3.7	215	15	4.9	0
03/04/2023 08:40	3.7	217	19	5.2	0
03/04/2023 08:50	3.2	222	18	4.8	0
03/04/2023 09:00	3	218	27	4.7	0
03/04/2023 09:10	3.1	232	19	4.4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/04/2023 09:20	3.1	233	17	4	0
03/04/2023 09:30	2.9	238	18	3.9	0
03/04/2023 09:40	3.1	238	15	4.5	0
03/04/2023 09:50	3.1	249	14	4.2	0
03/04/2023 10:00	3.4	258	12	4.4	0
03/04/2023 10:10	3	242	21	4.4	0
03/04/2023 10:20	3.2	261	16	4.4	0
03/04/2023 10:30	3.8	259	13	5.1	0
03/04/2023 10:40	4.2	259	12	5.5	0
03/04/2023 10:50	3.6	272	17	4.9	0
03/04/2023 11:00	3.9	274	17	5	0
03/04/2023 11:10	3.7	264	16	5	0
03/04/2023 11:20	3.8	273	16	4.8	0
03/04/2023 11:30	3.8	273	15	4.9	0
03/04/2023 11:40	3.6	270	15	4.8	0
03/04/2023 11:50	3.5	276	16	4.4	0
03/04/2023 12:00	4	262	14	5.6	0
03/04/2023 12:10	3.8	263	12	5.2	0
03/04/2023 12:20	4	260	14	5.5	0
03/04/2023 12:30	3.9	278	18	5.3	0
03/04/2023 12:40	3.7	274	18	5.1	0
03/04/2023 12:50	4.1	270	16	5.5	0
03/04/2023 13:00	3.8	273	17	5.3	0
03/04/2023 13:10	3.6	278	18	5.3	0
03/04/2023 13:20	3.8	289	15	5.2	0
03/04/2023 13:30	4.1	262	19	6	0
03/04/2023 13:40	3.6	277	20	5.2	0
03/04/2023 13:50	3.6	280	18	5.2	0
03/04/2023 14:00	3.6	304	16	5	0
03/04/2023 14:10	3.7	297	17	5.3	0
03/04/2023 14:20	3.8	295	17	5.4	0
03/04/2023 14:30	4.1	293	13	5.5	0
03/04/2023 14:40	4.4	290	15	6.1	0
03/04/2023 14:50	4.4	290	15	6.1	0
03/04/2023 15:00	4.3	293	12	6.1	0
03/04/2023 15:10	4.7	289	14	6.1	0
03/04/2023 15:20	4.5	289	15	6	0
03/04/2023 15:30	5.1	289	12	6.8	0
03/04/2023 15:40	5.2	293	12	6.8	0
03/04/2023 15:50	5.2	292	13	6.8	0
03/04/2023 16:00	5.2	298	12	7.1	0
03/04/2023 16:10	5.8	297	10	7.6	0
03/04/2023 16:20	5.3	297	14	7.2	0
03/04/2023 16:30	4	348	30	6.1	0
03/04/2023 16:40	3.8	353	25	6.7	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/04/2023 16:50	3.2	334	26	5.6	0
03/04/2023 17:00	3.3	324	29	5.2	0
03/04/2023 17:10	3.8	305	18	5.9	0
03/04/2023 17:20	3.7	297	15	5.7	0
03/04/2023 17:30	4	309	20	6.4	0
03/04/2023 17:40	3.1	316	22	5.2	0
03/04/2023 17:50	3.9	306	17	6.3	0
03/04/2023 18:00	4	300	14	6.1	0
03/04/2023 18:10	4	297	15	6.3	0
03/04/2023 18:20	4	293	16	5.7	0
03/04/2023 18:30	4.2	294	14	6	0
03/04/2023 18:40	3.6	303	15	5.5	0
03/04/2023 18:50	3.9	300	15	5.9	0
03/04/2023 19:00	3.6	295	14	4.8	0
03/04/2023 19:10	3.6	289	14	5.4	0
03/04/2023 19:20	4.2	289	15	6	0
03/04/2023 19:30	3.6	282	16	5.1	0
03/04/2023 19:40	3.3	278	16	4.3	0
03/04/2023 19:50	3.1	279	17	4.7	0
03/04/2023 20:00	3.1	269	15	4.2	0
03/04/2023 20:10	3.6	266	13	5.1	0
03/04/2023 20:20	2.8	270	16	4.4	0
03/04/2023 20:30	2.8	270	13	4	0
03/04/2023 20:40	3.3	267	13	4.7	0
03/04/2023 20:50	3.3	270	14	4.6	0
03/04/2023 21:00	3.2	276	14	4.5	0
03/04/2023 21:10	3.3	267	13	4.6	0
03/04/2023 21:20	3.2	269	11	4.5	0
03/04/2023 21:30	3.2	265	12	4.4	0
03/04/2023 21:40	3.4	263	10	4.3	0
03/04/2023 21:50	3.3	263	9	4.7	0
03/04/2023 22:00	3.3	263	12	4.7	0
03/04/2023 22:10	3	269	11	4	0
03/04/2023 22:20	2.5	272	14	4	0
03/04/2023 22:30	3.4	261	10	4.4	0
03/04/2023 22:40	3.5	261	10	4.5	0
03/04/2023 22:50	3.3	266	11	4.8	0
03/04/2023 23:00	3.4	262	11	5	0
03/04/2023 23:10	3.6	267	13	4.8	0
03/04/2023 23:20	3	263	10	4.3	0
03/04/2023 23:30	3.6	260	10	4.4	0
03/04/2023 23:40	3.6	266	11	4.9	0
03/04/2023 23:50	3.2	264	10	4.5	0
04/04/2023 00:00	3	266	13	4	0
04/04/2023 00:10	3.2	264	12	4.3	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/04/2023 00:20	3	263	10	4	0
04/04/2023 00:30	2.8	260	11	3.7	0
04/04/2023 00:40	2.7	259	9	3.8	0
04/04/2023 00:50	2.8	259	10	3.6	0
04/04/2023 01:00	3	257	10	4.2	0
04/04/2023 01:10	2.8	260	11	3.8	0
04/04/2023 01:20	3.2	252	11	4.4	0
04/04/2023 01:30	3.1	257	10	4.5	0
04/04/2023 01:40	2.8	256	11	4	0
04/04/2023 01:50	2.8	238	11	4.1	0
04/04/2023 02:00	2.4	228	15	3.9	0
04/04/2023 02:10	2.2	224	13	3.5	0
04/04/2023 02:20	2.3	226	15	3.6	0
04/04/2023 02:30	2.6	229	14	3.6	0
04/04/2023 02:40	2.7	229	16	4.1	0
04/04/2023 02:50	2.6	236	14	3.9	0
04/04/2023 03:00	2.4	235	14	3.6	0
04/04/2023 03:10	2.6	231	15	4	0
04/04/2023 03:20	2.6	235	13	3.5	0
04/04/2023 03:30	2.4	237	13	3.8	0
04/04/2023 03:40	2.5	237	15	4	0
04/04/2023 03:50	2.5	234	14	3.8	0
04/04/2023 04:00	2.3	230	13	3.6	0
04/04/2023 04:10	2.5	231	14	4	0
04/04/2023 04:20	2.7	227	15	4	0
04/04/2023 04:30	2	230	13	3	0
04/04/2023 04:40	2.2	228	14	3.2	0
04/04/2023 04:50	2	241	13	2.9	0
04/04/2023 05:00	2.3	243	15	3.2	0
04/04/2023 05:10	1.9	240	13	2.9	0
04/04/2023 05:20	1.9	242	11	2.9	0
04/04/2023 05:30	1.5	239	14	2.6	0
04/04/2023 05:40	1.3	244	13	2	0
04/04/2023 05:50	1.6	237	12	2.2	0
04/04/2023 06:00	1.6	238	13	2.4	0
04/04/2023 06:10	1.8	240	13	2.5	0
04/04/2023 06:20	2	233	14	3.2	0
04/04/2023 06:30	2.1	237	14	2.9	0
04/04/2023 06:40	1.7	234	12	2.4	0
04/04/2023 06:50	1.4	237	12	2.1	0
04/04/2023 07:00	1.2	235	16	2	0
04/04/2023 07:10	1.1	233	15	2	0
04/04/2023 07:20	1.2	234	15	2.2	0
04/04/2023 07:30	0.9	230	16	1.9	0
04/04/2023 07:40	1.7	230	16	3.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/04/2023 07:50	2.8	233	14	4.2	0
04/04/2023 08:00	2.9	237	14	3.8	0
04/04/2023 08:10	3.2	229	12	4.3	0
04/04/2023 08:20	2.8	224	17	3.8	0
04/04/2023 08:30	2.5	232	17	3.6	0
04/04/2023 08:40	3.1	224	15	4.3	0
04/04/2023 08:50	2.8	226	18	4.1	0
04/04/2023 09:00	3.4	243	17	4.6	0
04/04/2023 09:10	3.2	241	14	4	0
04/04/2023 09:20	3.1	230	16	4.4	0
04/04/2023 09:30	2.9	221	16	4.1	0
04/04/2023 09:40	3	234	17	4.1	0
04/04/2023 09:50	2.9	235	17	4.4	0
04/04/2023 10:00	2.7	219	26	3.7	0
04/04/2023 10:10	2.8	224	18	3.7	0
04/04/2023 10:20	2.6	243	14	3.6	0
04/04/2023 10:30	2.6	260	18	3.6	0
04/04/2023 10:40	2.4	249	19	4	0
04/04/2023 10:50	2.1	252	17	3.4	0
04/04/2023 11:00	2.6	260	13	4	0
04/04/2023 11:10	2.9	275	19	4.2	0
04/04/2023 11:20	3.3	275	17	4.5	0
04/04/2023 11:30	3.2	280	18	4.2	0
04/04/2023 11:40	3.2	276	18	4.3	0
04/04/2023 11:50	3.5	278	17	4.8	0
04/04/2023 12:00	3.2	273	17	4.4	0
04/04/2023 12:10	3	281	17	4.6	0
04/04/2023 12:20	3.3	285	18	4.7	0
04/04/2023 12:30	3	302	13	4.3	0
04/04/2023 12:40	3.2	296	15	4.5	0
04/04/2023 12:50	3.1	300	18	4.4	0
04/04/2023 13:00	3.4	291	15	5.1	0
04/04/2023 13:10	3.7	295	14	5.2	0
04/04/2023 13:20	3.1	307	19	5	0
04/04/2023 13:30	3.8	293	19	6	0
04/04/2023 13:40	3.8	295	19	5.2	0
04/04/2023 13:50	3.9	300	18	5.8	0
04/04/2023 14:00	4.1	301	14	5.6	0
04/04/2023 14:10	4	303	17	5.7	0
04/04/2023 14:20	3.9	299	17	5.7	0
04/04/2023 14:30	4.3	300	14	6	0
04/04/2023 14:40	4.1	299	15	5.2	0
04/04/2023 14:50	4.2	297	16	6	0
04/04/2023 15:00	4.7	298	16	6.3	0
04/04/2023 15:10	4.9	294	14	6.4	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/04/2023 15:20	4.6	300	14	6.2	0
04/04/2023 15:30	4.9	298	13	6.7	0
04/04/2023 15:40	5	299	10	6.7	0
04/04/2023 15:50	4.6	296	12	6	0
04/04/2023 16:00	4.6	299	12	5.6	0
04/04/2023 16:10	4.4	294	14	6.2	0
04/04/2023 16:20	4.6	301	12	6.1	0
04/04/2023 16:30	4.6	296	14	6.2	0
04/04/2023 16:40	4.7	295	11	6.8	0
04/04/2023 16:50	4.7	295	13	6.6	0
04/04/2023 17:00	4.3	289	14	6.6	0
04/04/2023 17:10	4.4	294	12	5.8	0
04/04/2023 17:20	4.2	295	14	5.7	0
04/04/2023 17:30	4	291	15	5.6	0
04/04/2023 17:40	3.9	295	14	5.5	0
04/04/2023 17:50	4.4	293	12	5.8	0
04/04/2023 18:00	4.5	290	13	5.9	0
04/04/2023 18:10	4.1	289	15	6.1	0
04/04/2023 18:20	4.2	289	14	6	0
04/04/2023 18:30	3.5	288	15	5.2	0
04/04/2023 18:40	3.5	287	15	5.1	0
04/04/2023 18:50	3.4	269	13	4.9	0
04/04/2023 19:00	3.8	271	15	5.2	0
04/04/2023 19:10	3.6	267	12	4.8	0
04/04/2023 19:20	3.7	276	16	5.2	0
04/04/2023 19:30	3.5	267	14	5	0
04/04/2023 19:40	3.9	270	14	5.2	0
04/04/2023 19:50	3.7	264	11	4.7	0
04/04/2023 20:00	3.7	268	13	5.3	0
04/04/2023 20:10	3.5	265	11	4.8	0
04/04/2023 20:20	3.2	269	13	4.8	0
04/04/2023 20:30	3.9	269	12	6	0
04/04/2023 20:40	3.4	268	11	4.5	0
04/04/2023 20:50	3.6	262	11	5.2	0
04/04/2023 21:00	4.1	264	12	5.6	0
04/04/2023 21:10	4.1	263	11	5.6	0
04/04/2023 21:20	4.2	262	9	5.3	0
04/04/2023 21:30	3.8	261	11	5.3	0
04/04/2023 21:40	4.1	262	9	5.4	0
04/04/2023 21:50	3.9	262	10	5.2	0
04/04/2023 22:00	3.7	259	11	5.9	0
04/04/2023 22:10	4.2	262	10	5.6	0
04/04/2023 22:20	4.2	261	10	5.5	0
04/04/2023 22:30	3.9	257	11	5.6	0
04/04/2023 22:40	3.9	261	11	5.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/04/2023 22:50	4	256	11	5.6	0
04/04/2023 23:00	4	255	10	5.5	0
04/04/2023 23:10	3.8	254	13	5	0
04/04/2023 23:20	4.1	256	10	5.5	0
04/04/2023 23:30	3.6	255	11	4.8	0
04/04/2023 23:40	3.7	253	14	4.7	0
04/04/2023 23:50	2.9	234	14	4.1	0
05/04/2023 00:00	2.3	236	13	3.6	0
05/04/2023 00:10	2.4	241	13	3.4	0
05/04/2023 00:20	2.9	248	12	4.1	0
05/04/2023 00:30	2.5	240	13	3.6	0
05/04/2023 00:40	2.4	242	15	3.4	0
05/04/2023 00:50	2.6	255	13	3.6	0
05/04/2023 01:00	3	251	13	4.1	0
05/04/2023 01:10	3.1	256	10	4.4	0
05/04/2023 01:20	2.6	249	14	4	0
05/04/2023 01:30	2.6	242	12	3.8	0
05/04/2023 01:40	2.7	244	13	3.7	0
05/04/2023 01:50	2.7	245	13	3.6	0
05/04/2023 02:00	2.5	241	13	3.6	0
05/04/2023 02:10	2.7	249	10	3.9	0
05/04/2023 02:20	3	252	14	4	0
05/04/2023 02:30	2.8	248	12	4.3	0
05/04/2023 02:40	3.1	247	10	4.8	0
05/04/2023 02:50	3.3	256	10	4.6	0
05/04/2023 03:00	3.4	249	12	4.8	0
05/04/2023 03:10	2.6	241	13	3.8	0
05/04/2023 03:20	2.5	236	14	3.5	0
05/04/2023 03:30	3.3	239	13	4.6	0
05/04/2023 03:40	3.2	246	12	4.6	0
05/04/2023 03:50	2.9	241	13	4.3	0
05/04/2023 04:00	3	235	12	4	0
05/04/2023 04:10	2.6	235	13	4.1	0
05/04/2023 04:20	2.6	236	14	3.6	0
05/04/2023 04:30	2.1	238	14	2.7	0
05/04/2023 04:40	2	239	15	3	0
05/04/2023 04:50	2.1	236	13	3.1	0
05/04/2023 05:00	2.3	237	13	3.5	0
05/04/2023 05:10	2.2	234	13	3.1	0
05/04/2023 05:20	2.5	238	11	3.8	0
05/04/2023 05:30	2.5	244	13	3.3	0
05/04/2023 05:40	2.6	233	11	3.6	0
05/04/2023 05:50	2	233	12	2.7	0
05/04/2023 06:00	2.2	251	11	3	0
05/04/2023 06:10	2.4	248	10	3	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/04/2023 06:20	2.2	248	12	3.3	0
05/04/2023 06:30	2	240	12	2.9	0
05/04/2023 06:40	2.1	239	12	2.9	0
05/04/2023 06:50	2	234	13	2.5	0
05/04/2023 07:00	1.8	231	14	2.4	0
05/04/2023 07:10	1.8	237	13	2.6	0
05/04/2023 07:20	1.7	238	15	2.3	0
05/04/2023 07:30	2.2	225	12	3.2	0
05/04/2023 07:40	2.5	229	13	3.6	0
05/04/2023 07:50	2.3	239	14	3.1	0
05/04/2023 08:00	2	235	19	2.8	0
05/04/2023 08:10	2.6	246	15	3.4	0
05/04/2023 08:20	2.4	237	13	3.2	0
05/04/2023 08:30	2.6	229	15	3.7	0
05/04/2023 08:40	2.7	234	15	4	0
05/04/2023 08:50	2.7	230	14	3.7	0
05/04/2023 09:00	2.6	232	15	3.9	0
05/04/2023 09:10	2.8	240	14	3.6	0
05/04/2023 09:20	3	252	14	3.9	0
05/04/2023 09:30	2.9	250	19	4	0
05/04/2023 09:40	3.3	243	11	4.7	0
05/04/2023 09:50	3.1	260	18	4	0
05/04/2023 10:00	3.5	259	12	4.4	0
05/04/2023 10:10	3.4	272	17	4.8	0
05/04/2023 10:20	3	276	16	4.1	0
05/04/2023 10:30	3.2	279	16	4.5	0
05/04/2023 10:40	3.2	283	15	4.6	0
05/04/2023 10:50	3.4	262	12	4.5	0
05/04/2023 11:00	3.6	271	14	4.8	0
05/04/2023 11:10	3.5	264	12	4.6	0
05/04/2023 11:20	3.5	269	14	4.7	0
05/04/2023 11:30	3.5	265	13	4.7	0
05/04/2023 11:40	3.9	262	17	5.2	0
05/04/2023 11:50	4.1	272	13	5.4	0
05/04/2023 12:00	4.4	262	10	5.5	0
05/04/2023 12:10	3.8	266	17	5	0
05/04/2023 12:20	4	258	14	5.4	0
05/04/2023 12:30	3.8	276	18	5	0
05/04/2023 12:40	3.6	281	19	5	0
05/04/2023 12:50	3.7	290	19	5.7	0
05/04/2023 13:00	3.6	284	22	4.8	0
05/04/2023 13:10	3.8	296	19	5.4	0
05/04/2023 13:20	3.9	289	18	5.9	0
05/04/2023 13:30	4.4	298	12	5.9	0
05/04/2023 13:40	4.9	294	12	6.6	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/04/2023 13:50	5	291	9	6.4	0
05/04/2023 14:00	4.7	290	12	6.4	0
05/04/2023 14:10	4.4	296	11	5.9	0
05/04/2023 14:20	4.6	296	12	6.4	0
05/04/2023 14:30	4.5	297	15	6	0
05/04/2023 14:40	4.9	294	11	6.2	0
05/04/2023 14:50	4.7	291	12	6.4	0
05/04/2023 15:00	4.9	291	11	6.2	0
05/04/2023 15:10	5.2	292	12	6.6	0
05/04/2023 15:20	4.9	300	16	6.4	0
05/04/2023 15:30	4.8	291	15	6.1	0
05/04/2023 15:40	4.8	293	15	6.7	0
05/04/2023 15:50	5.1	295	12	6.6	0
05/04/2023 16:00	4.9	280	15	6.8	0
05/04/2023 16:10	5.2	293	11	7.1	0
05/04/2023 16:20	5.1	290	13	7.4	0
05/04/2023 16:30	5.2	295	12	7.2	0
05/04/2023 16:40	4.6	289	16	6.7	0
05/04/2023 16:50	4.7	290	14	6.4	0
05/04/2023 17:00	4.8	289	16	6.8	0
05/04/2023 17:10	5.1	292	12	6.7	0
05/04/2023 17:20	4	285	16	5.9	0
05/04/2023 17:30	4.1	288	18	5.6	0
05/04/2023 17:40	4.2	285	15	6	0
05/04/2023 17:50	4	290	16	5.8	0
05/04/2023 18:00	3.8	280	14	5.4	0
05/04/2023 18:10	4.3	269	13	5.9	0
05/04/2023 18:20	4.2	270	14	5.8	0
05/04/2023 18:30	4.6	267	12	6	0
05/04/2023 18:40	4.2	269	15	5.7	0
05/04/2023 18:50	4.1	272	16	5.9	0
05/04/2023 19:00	4.5	264	10	6.1	0
05/04/2023 19:10	4.4	265	13	6.1	0
05/04/2023 19:20	4.1	272	13	5.6	0
05/04/2023 19:30	4	275	14	5.6	0
05/04/2023 19:40	4	270	15	5.2	0
05/04/2023 19:50	3.8	271	14	5.5	0
05/04/2023 20:00	3.6	269	13	5.2	0
05/04/2023 20:10	4.5	265	11	6.8	0
05/04/2023 20:20	4.1	270	13	6	0
05/04/2023 20:30	3.9	271	14	5.3	0
05/04/2023 20:40	4.2	265	13	6	0
05/04/2023 20:50	5.1	260	10	6.5	0
05/04/2023 21:00	4.3	266	13	5.6	0
05/04/2023 21:10	5	264	10	6.4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/04/2023 21:20	4.2	261	9	5.6	0
05/04/2023 21:30	4.8	261	11	6.7	0
05/04/2023 21:40	4.5	261	12	6.6	0
05/04/2023 21:50	4.7	257	12	6.4	0
05/04/2023 22:00	5	257	11	6.7	0
05/04/2023 22:10	4.6	256	12	6.4	0
05/04/2023 22:20	4.4	254	12	6	0
05/04/2023 22:30	4.2	255	13	5.9	0
05/04/2023 22:40	4	254	12	5.3	0
05/04/2023 22:50	4.1	257	12	5.2	0
05/04/2023 23:00	4.4	254	12	6	0
05/04/2023 23:10	4.7	257	11	6	0
05/04/2023 23:20	4.7	252	12	6.5	0
05/04/2023 23:30	4.1	255	12	6.2	0
05/04/2023 23:40	3.9	256	13	5.6	0
05/04/2023 23:50	2.8	246	15	3.9	0
06/04/2023 00:00	2.9	238	14	4.2	0
06/04/2023 00:10	2.5	236	14	3.9	0
06/04/2023 00:20	2.5	236	15	3.7	0
06/04/2023 00:30	2.3	244	12	3.3	0
06/04/2023 00:40	2.7	241	13	4.2	0
06/04/2023 00:50	3.5	246	10	4.9	0
06/04/2023 01:00	3.5	244	13	5.2	0
06/04/2023 01:10	3.9	243	11	5.4	0
06/04/2023 01:20	3.9	246	14	5.2	0
06/04/2023 01:30	3.8	240	12	5.2	0
06/04/2023 01:40	3.6	239	13	5	0
06/04/2023 01:50	3.7	243	12	4.9	0
06/04/2023 02:00	3.4	245	13	5.6	0
06/04/2023 02:10	3.1	247	12	4.4	0
06/04/2023 02:20	3.6	240	13	5.4	0
06/04/2023 02:30	3.6	245	12	4.7	0
06/04/2023 02:40	3.2	244	12	4.3	0
06/04/2023 02:50	3.1	246	12	4	0
06/04/2023 03:00	3.5	247	13	5.6	0
06/04/2023 03:10	3.6	243	13	5.4	0
06/04/2023 03:20	3.3	245	12	5.2	0
06/04/2023 03:30	3.8	246	12	5.6	0
06/04/2023 03:40	3.3	249	12	4.4	0
06/04/2023 03:50	3.2	249	12	4.4	0
06/04/2023 04:00	3.4	254	10	4.9	0
06/04/2023 04:10	3.4	254	11	4.4	0
06/04/2023 04:20	4	257	11	5.2	0
06/04/2023 04:30	3.7	252	13	5	0
06/04/2023 04:40	3.4	250	13	4.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/04/2023 04:50	3.8	242	11	5.1	0
06/04/2023 05:00	3.8	247	13	5.1	0
06/04/2023 05:10	3.3	247	12	4.4	0
06/04/2023 05:20	3	245	12	4.1	0
06/04/2023 05:30	2.9	245	13	4	0
06/04/2023 05:40	3	246	11	4.6	0
06/04/2023 05:50	3.1	247	12	4.4	0
06/04/2023 06:00	3.1	245	11	4.3	0
06/04/2023 06:10	3.3	244	10	4.8	0
06/04/2023 06:20	3.4	245	12	4.4	0
06/04/2023 06:30	2.9	245	14	4	0
06/04/2023 06:40	2.6	246	12	3.6	0
06/04/2023 06:50	2.5	252	11	3.3	0
06/04/2023 07:00	3	254	10	3.8	0
06/04/2023 07:10	3.1	243	11	4	0
06/04/2023 07:20	2.9	245	11	3.7	0
06/04/2023 07:30	2.7	243	12	3.6	0
06/04/2023 07:40	2.6	239	12	3.5	0
06/04/2023 07:50	2.9	243	13	4	0
06/04/2023 08:00	2.8	231	15	3.8	0
06/04/2023 08:10	2.6	254	13	3.4	0
06/04/2023 08:20	2.1	250	17	3.2	0
06/04/2023 08:30	1.8	252	19	2.5	0
06/04/2023 08:40	1.7	252	22	2.3	0
06/04/2023 08:50	1.4	232	26	2	0
06/04/2023 09:00	1.8	233	15	2.9	0
06/04/2023 09:10	1.8	243	20	2.8	0
06/04/2023 09:20	2	247	19	3	0
06/04/2023 09:30	2.2	252	17	3.4	0
06/04/2023 09:40	1.8	251	20	3	0
06/04/2023 09:50	1.9	264	30	3	0
06/04/2023 10:00	1.5	217	62	2.7	0
06/04/2023 10:10	1.9	235	23	2.9	0
06/04/2023 10:20	2.1	262	23	3.3	0
06/04/2023 10:30	3.1	289	17	4.1	0
06/04/2023 10:40	3	293	14	4.2	0
06/04/2023 10:50	2.6	260	17	3.7	0
06/04/2023 11:00	2.8	262	16	4.1	0
06/04/2023 11:10	3	272	19	3.9	0
06/04/2023 11:20	3.1	266	17	4.2	0
06/04/2023 11:30	2.7	276	20	4.1	0
06/04/2023 11:40	3	265	18	4.4	0
06/04/2023 11:50	3.3	271	18	4.8	0
06/04/2023 12:00	3	266	18	4.4	0
06/04/2023 12:10	3.1	271	23	4.1	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/04/2023 12:20	3	268	20	4.3	0
06/04/2023 12:30	2.8	300	21	4.3	0
06/04/2023 12:40	3	301	15	4.1	0
06/04/2023 12:50	3.2	297	14	4.3	0
06/04/2023 13:00	3.4	282	17	4.4	0
06/04/2023 13:10	3.5	284	17	4.8	0
06/04/2023 13:20	3.5	282	19	5.3	0
06/04/2023 13:30	3.7	268	19	5.1	0
06/04/2023 13:40	4.4	272	15	6.3	0
06/04/2023 13:50	4.3	264	17	5.8	0
06/04/2023 14:00	4.4	257	13	5.8	0
06/04/2023 14:10	4.3	264	16	6.4	0
06/04/2023 14:20	4.7	265	12	6	0
06/04/2023 14:30	5.1	263	12	6.5	0
06/04/2023 14:40	5.6	262	11	6.8	0
06/04/2023 14:50	5.4	261	10	6.5	0
06/04/2023 15:00	5.4	261	14	7.2	0
06/04/2023 15:10	5.8	262	13	7.5	0
06/04/2023 15:20	5.6	262	11	7.9	0
06/04/2023 15:30	5.4	261	14	7.5	0
06/04/2023 15:40	5.9	265	12	7.7	0
06/04/2023 15:50	5.6	262	13	7.5	0
06/04/2023 16:00	5.9	265	11	7.6	0
06/04/2023 16:10	6.2	267	12	7.7	0
06/04/2023 16:20	5.4	261	12	7.9	0
06/04/2023 16:30	5.3	258	12	7.2	0
06/04/2023 16:40	5.6	259	13	7.6	0
06/04/2023 16:50	5.6	258	13	8.7	0
06/04/2023 17:00	5.7	260	14	7.6	0
06/04/2023 17:10	5.6	259	13	7.4	0
06/04/2023 17:20	6	264	10	8.3	0
06/04/2023 17:30	6.6	263	11	8.5	0
06/04/2023 17:40	6.5	260	10	8.6	0
06/04/2023 17:50	5.8	260	10	7.8	0
06/04/2023 18:00	5.8	267	13	8.8	0
06/04/2023 18:10	6.3	262	12	8.2	0
06/04/2023 18:20	5.7	262	10	7.5	0
06/04/2023 18:30	5.9	263	12	7.8	0
06/04/2023 18:40	5.6	263	11	7.9	0
06/04/2023 18:50	5.8	264	10	7.3	0
06/04/2023 19:00	5.4	262	11	7.1	0
06/04/2023 19:10	6	262	10	7.9	0
06/04/2023 19:20	5.4	260	11	7.2	0
06/04/2023 19:30	5.4	263	10	7.9	0
06/04/2023 19:40	5.7	257	14	7.9	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/04/2023 19:50	5.6	256	12	7.6	0
06/04/2023 20:00	5.2	257	11	7.1	0
06/04/2023 20:10	5.2	253	12	7.1	0
06/04/2023 20:20	5.4	256	12	6.9	0
06/04/2023 20:30	5.4	256	11	7.5	0
06/04/2023 20:40	5.3	254	12	7.4	0
06/04/2023 20:50	4.3	254	14	6.4	0
06/04/2023 21:00	4.2	253	11	5.9	0
06/04/2023 21:10	4.6	251	14	6.9	0
06/04/2023 21:20	4.3	253	12	5.9	0
06/04/2023 21:30	3.6	244	13	5.3	0
06/04/2023 21:40	3.5	240	13	4.8	0
06/04/2023 21:50	3.4	240	15	4.8	0
06/04/2023 22:00	3.6	243	16	4.8	0
06/04/2023 22:10	3.5	241	14	5.2	0
06/04/2023 22:20	3.4	239	13	4.4	0
06/04/2023 22:30	3.2	243	12	4.6	0
06/04/2023 22:40	2.4	247	11	3.6	0
06/04/2023 22:50	2.7	246	13	3.8	0
06/04/2023 23:00	2.6	246	14	3.9	0
06/04/2023 23:10	2.7	251	14	4.2	0
06/04/2023 23:20	2.7	248	13	3.9	0
06/04/2023 23:30	2.2	247	12	3.4	0
06/04/2023 23:40	1.9	231	17	3.3	0
06/04/2023 23:50	2	235	13	2.8	0
07/04/2023 00:00	2.6	237	11	3.6	0
07/04/2023 00:10	2.5	237	12	3.5	0
07/04/2023 00:20	3.2	248	11	4.4	0
07/04/2023 00:30	3.3	241	13	4.8	0
07/04/2023 00:40	3	235	14	4.4	0
07/04/2023 00:50	3.3	237	13	4.6	0
07/04/2023 01:00	4	236	11	5.6	0
07/04/2023 01:10	3.6	234	12	5	0
07/04/2023 01:20	3.2	233	11	4.7	0
07/04/2023 01:30	3	238	15	4.2	0
07/04/2023 01:40	3.2	236	13	4.5	0
07/04/2023 01:50	3.8	251	11	5.2	0
07/04/2023 02:00	4.2	248	11	5.4	0
07/04/2023 02:10	3.5	249	13	5	0
07/04/2023 02:20	3.4	243	12	4.8	0
07/04/2023 02:30	2.8	245	13	3.9	0
07/04/2023 02:40	2.4	247	13	3.6	0
07/04/2023 02:50	2.7	236	14	4.4	0
07/04/2023 03:00	2.6	239	15	3.8	0
07/04/2023 03:10	3.1	245	12	4.3	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/04/2023 03:20	3.3	247	12	4.4	0
07/04/2023 03:30	3.3	250	12	4.4	0
07/04/2023 03:40	3.4	248	11	4.6	0
07/04/2023 03:50	3.2	251	12	4.3	0
07/04/2023 04:00	3.3	248	11	4.9	0
07/04/2023 04:10	3.7	257	11	4.9	0
07/04/2023 04:20	4	255	10	5.2	0
07/04/2023 04:30	3.3	254	11	4.4	0
07/04/2023 04:40	3.4	244	13	4.8	0
07/04/2023 04:50	2.8	247	13	4	0
07/04/2023 05:00	2.5	245	13	3.3	0
07/04/2023 05:10	2.1	249	11	2.8	0
07/04/2023 05:20	2.6	254	10	3.2	0
07/04/2023 05:30	2.6	252	11	3.6	0
07/04/2023 05:40	2	249	11	2.9	0
07/04/2023 05:50	2.5	252	12	3.6	0
07/04/2023 06:00	1.8	246	12	2.7	0
07/04/2023 06:10	1.4	254	12	2	0
07/04/2023 06:20	1.5	248	12	2	0
07/04/2023 06:30	1.6	245	11	2.4	0
07/04/2023 06:40	1.7	249	12	2.4	0
07/04/2023 06:50	2.1	253	11	2.8	0
07/04/2023 07:00	2.1	254	12	2.8	0
07/04/2023 07:10	2	254	12	2.9	0
07/04/2023 07:20	3	256	12	4	0
07/04/2023 07:30	3.2	251	12	4.2	0
07/04/2023 07:40	3.3	248	13	4.3	0
07/04/2023 07:50	3.3	243	12	4.4	0
07/04/2023 08:00	2.7	239	15	3.7	0
07/04/2023 08:10	2.7	243	14	4	0
07/04/2023 08:20	2.7	241	15	3.8	0
07/04/2023 08:30	2.3	244	15	3	0
07/04/2023 08:40	2.4	253	15	3.6	0
07/04/2023 08:50	2.4	242	14	3.2	0
07/04/2023 09:00	2.4	234	16	3.3	0
07/04/2023 09:10	2.4	252	14	3.5	0
07/04/2023 09:20	2.7	245	16	4	0
07/04/2023 09:30	2.9	255	14	4	0
07/04/2023 09:40	3.1	259	14	4.4	0
07/04/2023 09:50	3.5	263	15	4.5	0
07/04/2023 10:00	3.7	261	14	4.9	0
07/04/2023 10:10	3.9	265	14	5.4	0
07/04/2023 10:20	4.4	271	15	6	0
07/04/2023 10:30	4.5	264	13	5.9	0
07/04/2023 10:40	4.6	274	15	6.3	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/04/2023 10:50	4.6	269	17	5.7	0
07/04/2023 11:00	3.9	268	16	5.4	0
07/04/2023 11:10	4.2	277	17	5.9	0
07/04/2023 11:20	4.7	276	14	6.1	0
07/04/2023 11:30	4.5	274	16	5.6	0
07/04/2023 11:40	4.4	270	14	5.9	0
07/04/2023 11:50	4.4	267	14	5.6	0
07/04/2023 12:00	4.5	263	13	6	0
07/04/2023 12:10	4.5	266	15	6.1	0
07/04/2023 12:20	4.5	263	14	6.2	0
07/04/2023 12:30	4.9	261	12	6.5	0
07/04/2023 12:40	5.3	267	15	6.7	0
07/04/2023 12:50	5.3	268	13	6.4	0
07/04/2023 13:00	5	266	12	6.5	0
07/04/2023 13:10	5.5	265	12	6.8	0
07/04/2023 13:20	5.9	262	11	7.5	0
07/04/2023 13:30	6.1	266	13	7.8	0
07/04/2023 13:40	6.3	267	14	8.1	0
07/04/2023 13:50	6.4	265	13	8.3	0
07/04/2023 14:00	6	259	13	7.9	0
07/04/2023 14:10	5.9	259	12	8.3	0
07/04/2023 14:20	6.2	257	13	8.3	0
07/04/2023 14:30	6.4	257	13	8	0
07/04/2023 14:40	5.8	259	14	8	0
07/04/2023 14:50	6.1	259	12	7.8	0
07/04/2023 15:00	6	261	12	7.9	0
07/04/2023 15:10	5.9	263	12	8.1	0
07/04/2023 15:20	5.7	257	13	7.9	0
07/04/2023 15:30	6.3	258	11	8.5	0
07/04/2023 15:40	5.7	260	12	7.6	0
07/04/2023 15:50	5.9	257	13	7.8	0
07/04/2023 16:00	6	259	12	7.6	0
07/04/2023 16:10	5.9	264	11	8.3	0
07/04/2023 16:20	5.7	263	11	7.5	0
07/04/2023 16:30	6	262	10	7.9	0
07/04/2023 16:40	6.1	260	11	8.4	0
07/04/2023 16:50	6.2	259	11	8.1	0
07/04/2023 17:00	6	261	12	7.9	0
07/04/2023 17:10	5.4	259	14	6.9	0
07/04/2023 17:20	5.7	262	11	7.9	0
07/04/2023 17:30	5.9	263	11	7.5	0
07/04/2023 17:40	5.8	263	11	7.9	0
07/04/2023 17:50	6	261	11	7.9	0
07/04/2023 18:00	5.8	261	12	7.5	0
07/04/2023 18:10	5.9	263	11	7.9	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/04/2023 18:20	5.9	262	10	7.6	0
07/04/2023 18:30	5.5	264	11	7.5	0
07/04/2023 18:40	5.4	259	12	7	0
07/04/2023 18:50	4.8	261	13	7.3	0
07/04/2023 19:00	4.9	260	10	6.5	0
07/04/2023 19:10	5	262	11	6.8	0
07/04/2023 19:20	4.9	257	12	6.5	0
07/04/2023 19:30	5	262	12	6.8	0
07/04/2023 19:40	4.8	255	11	6.4	0
07/04/2023 19:50	4.7	260	11	6.6	0
07/04/2023 20:00	3.8	258	11	5.3	0
07/04/2023 20:10	4	259	11	5.6	0
07/04/2023 20:20	4.3	261	11	6	0
07/04/2023 20:30	4.2	257	12	6	0
07/04/2023 20:40	4.2	257	11	5.7	0
07/04/2023 20:50	4.2	256	12	6.1	0
07/04/2023 21:00	4.1	262	12	6	0
07/04/2023 21:10	4.4	255	12	5.9	0
07/04/2023 21:20	4.3	259	11	5.8	0
07/04/2023 21:30	4.5	257	10	5.6	0
07/04/2023 21:40	4.5	259	12	6.3	0
07/04/2023 21:50	4.3	257	12	5.9	0
07/04/2023 22:00	4.6	256	12	6.7	0
07/04/2023 22:10	4.7	257	10	6.1	0
07/04/2023 22:20	4.9	259	9	6.6	0
07/04/2023 22:30	4.1	262	11	6.1	0
07/04/2023 22:40	4.4	255	12	6.1	0
07/04/2023 22:50	4.8	255	11	6.4	0
07/04/2023 23:00	4.6	257	12	6	0
07/04/2023 23:10	4.6	255	13	6.2	0
07/04/2023 23:20	4.4	258	10	5.8	0
07/04/2023 23:30	4.2	257	11	5.7	0
07/04/2023 23:40	4	257	12	5.5	0
07/04/2023 23:50	4.1	257	13	5.8	0
08/04/2023 00:00	3.5	256	11	4.8	0
08/04/2023 00:10	3.2	255	11	4.5	0
08/04/2023 00:20	3.3	256	13	4.4	0
08/04/2023 00:30	3	253	14	4.4	0
08/04/2023 00:40	2.7	244	13	3.8	0
08/04/2023 00:50	2.4	243	12	3.6	0
08/04/2023 01:00	2.3	246	12	3.3	0
08/04/2023 01:10	2.2	250	12	3.1	0
08/04/2023 01:20	2.6	252	10	3.6	0
08/04/2023 01:30	2.3	256	10	3.3	0
08/04/2023 01:40	2.5	257	10	3.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/04/2023 01:50	2.2	253	9	3	0
08/04/2023 02:00	1.9	249	12	2.7	0
08/04/2023 02:10	2.1	244	13	3	0
08/04/2023 02:20	1.9	241	14	2.4	0
08/04/2023 02:30	2	247	12	2.8	0
08/04/2023 02:40	2.2	251	12	3.3	0
08/04/2023 02:50	1.9	250	11	2.7	0
08/04/2023 03:00	2	251	10	2.7	0
08/04/2023 03:10	1.5	246	14	2.4	0
08/04/2023 03:20	1.4	249	13	2	0
08/04/2023 03:30	1.6	244	17	2.4	0
08/04/2023 03:40	1.5	242	17	2.4	0
08/04/2023 03:50	1	243	17	1.6	0
08/04/2023 04:00	1.2	241	11	2	0
08/04/2023 04:10	1.3	243	14	1.7	0
08/04/2023 04:20	1.2	251	12	1.7	0
08/04/2023 04:30	1.4	246	9	2	0
08/04/2023 04:40	0.9	242	12	1.4	0
08/04/2023 04:50	0.4	251	4	1.2	0
08/04/2023 05:00	1	240	14	1.6	0
08/04/2023 05:10	1.3	250	10	1.6	0
08/04/2023 05:20	1.3	246	10	1.7	0
08/04/2023 05:30	1.8	249	9	2.3	0
08/04/2023 05:40	1.7	246	10	2.1	0
08/04/2023 05:50	1.4	235	16	2.1	0
08/04/2023 06:00	0.8	149	34	1.5	0
08/04/2023 06:10	0.5	155	13	1.2	0
08/04/2023 06:20	1.6	264	10	2	0
08/04/2023 06:30	1.6	257	11	2	0
08/04/2023 06:40	1.3	253	9	1.6	0
08/04/2023 06:50	1.7	265	10	2.3	0
08/04/2023 07:00	1.8	259	9	2.4	0
08/04/2023 07:10	1.5	249	13	2	0
08/04/2023 07:20	1.6	241	12	2.3	0
08/04/2023 07:30	1.7	233	13	2.3	0
08/04/2023 07:40	2	240	12	2.7	0
08/04/2023 07:50	2.4	242	11	3.2	0
08/04/2023 08:00	2.4	243	13	3.2	0
08/04/2023 08:10	2	238	16	2.8	0
08/04/2023 08:20	2	239	17	2.9	0
08/04/2023 08:30	2	239	16	2.6	0
08/04/2023 08:40	2.1	240	15	3.2	0
08/04/2023 08:50	2.2	239	16	2.8	0
08/04/2023 09:00	2.4	234	14	3.6	0
08/04/2023 09:10	2.1	239	15	2.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/04/2023 09:20	1.8	249	17	2.4	0
08/04/2023 09:30	1.8	236	23	3	0
08/04/2023 09:40	1.9	251	23	2.8	0
08/04/2023 09:50	2.2	246	19	3.3	0
08/04/2023 10:00	2.4	253	21	3.4	0
08/04/2023 10:10	2.7	259	19	3.5	0
08/04/2023 10:20	3.2	257	13	4.3	0
08/04/2023 10:30	3.5	261	14	4.8	0
08/04/2023 10:40	3.7	273	16	4.9	0
08/04/2023 10:50	3.9	269	15	5	0
08/04/2023 11:00	4	270	12	4.8	0
08/04/2023 11:10	3.8	261	14	4.9	0
08/04/2023 11:20	3.6	259	14	4.8	0
08/04/2023 11:30	3.5	258	16	4.7	0
08/04/2023 11:40	4.3	256	13	5.6	0
08/04/2023 11:50	3.9	254	12	5.1	0
08/04/2023 12:00	4	252	15	5.1	0
08/04/2023 12:10	3.8	260	15	5.1	0
08/04/2023 12:20	3.8	265	16	5.2	0
08/04/2023 12:30	3.9	260	11	4.9	0
08/04/2023 12:40	3.1	260	12	4.4	0
08/04/2023 12:50	3.3	267	15	4.8	0
08/04/2023 13:00	3.8	258	12	4.7	0
08/04/2023 13:10	4.1	262	11	5.3	0
08/04/2023 13:20	3.9	263	15	5.6	0
08/04/2023 13:30	4.5	260	12	5.7	0
08/04/2023 13:40	4.6	266	15	6	0
08/04/2023 13:50	4.4	261	14	5.7	0
08/04/2023 14:00	4.6	265	14	6	0
08/04/2023 14:10	4.8	266	15	6.1	0
08/04/2023 14:20	5	260	12	6.4	0
08/04/2023 14:30	4.7	264	12	6.1	0
08/04/2023 14:40	5.2	262	11	6.8	0
08/04/2023 14:50	5.1	261	12	6.4	0
08/04/2023 15:00	4.9	255	11	6.5	0
08/04/2023 15:10	5.2	257	13	7.2	0
08/04/2023 15:20	5.3	257	12	7.2	0
08/04/2023 15:30	5.8	260	12	7.8	0
08/04/2023 15:40	5.3	258	14	7	0
08/04/2023 15:50	5.9	263	11	8.3	0
08/04/2023 16:00	5.6	258	11	7.5	0
08/04/2023 16:10	5.6	261	11	7.5	0
08/04/2023 16:20	5.4	264	13	7.2	0
08/04/2023 16:30	5.5	263	12	7.4	0
08/04/2023 16:40	5.4	256	12	7.6	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/04/2023 16:50	5.3	263	11	7.5	0
08/04/2023 17:00	5.4	262	11	8	0
08/04/2023 17:10	5.5	265	12	7.5	0
08/04/2023 17:20	5.2	264	12	7.1	0
08/04/2023 17:30	5.2	264	12	6.8	0
08/04/2023 17:40	5.8	262	12	7.5	0
08/04/2023 17:50	5.4	260	10	7.4	0
08/04/2023 18:00	5.1	262	10	6.9	0
08/04/2023 18:10	5.5	262	10	7.3	0
08/04/2023 18:20	4.7	262	12	6.5	0
08/04/2023 18:30	5.4	264	10	7.2	0
08/04/2023 18:40	4.6	262	11	6.3	0
08/04/2023 18:50	4.6	264	10	6.4	0
08/04/2023 19:00	4.9	262	11	6.3	0
08/04/2023 19:10	5.2	261	11	6.5	0
08/04/2023 19:20	5.1	263	9	6.8	0
08/04/2023 19:30	4.9	263	10	6.4	0
08/04/2023 19:40	4.8	261	12	6.8	0
08/04/2023 19:50	5.4	261	11	6.7	0
08/04/2023 20:00	5.2	260	11	6.3	0
08/04/2023 20:10	4.7	259	11	6.6	0
08/04/2023 20:20	5.1	262	12	6.9	0
08/04/2023 20:30	5	259	11	6.8	0
08/04/2023 20:40	4.7	260	11	6.6	0
08/04/2023 20:50	4.8	259	11	6.7	0
08/04/2023 21:00	5.1	256	11	7	0
08/04/2023 21:10	4.8	256	12	6.4	0
08/04/2023 21:20	4.7	256	11	6.8	0
08/04/2023 21:30	4.5	258	11	6.4	0
08/04/2023 21:40	4.8	254	12	6.8	0
08/04/2023 21:50	4.9	254	12	6.4	0
08/04/2023 22:00	5.3	254	11	7.2	0
08/04/2023 22:10	4.6	253	12	6.3	0
08/04/2023 22:20	4.5	253	11	6.2	0
08/04/2023 22:30	4.6	253	11	6.4	0
08/04/2023 22:40	4.6	255	11	6.4	0
08/04/2023 22:50	4.9	254	12	7.2	0
08/04/2023 23:00	4.1	252	12	6	0
08/04/2023 23:10	3.9	251	13	5.6	0
08/04/2023 23:20	4.5	253	11	5.7	0
08/04/2023 23:30	4.3	252	12	5.7	0
08/04/2023 23:40	4.4	256	11	6.4	0
08/04/2023 23:50	3.7	256	12	5.2	0
09/04/2023 00:00	3.1	252	14	4.5	0
09/04/2023 00:10	3.2	251	11	4.4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/04/2023 00:20	2.8	251	13	3.8	0
09/04/2023 00:30	3.2	252	13	4.2	0
09/04/2023 00:40	3.6	255	11	5.2	0
09/04/2023 00:50	3.9	254	9	5.1	0
09/04/2023 01:00	3.6	252	12	5.1	0
09/04/2023 01:10	4.3	255	10	5.6	0
09/04/2023 01:20	3.5	254	12	4.8	0
09/04/2023 01:30	3.7	254	11	5	0
09/04/2023 01:40	3.6	253	11	4.8	0
09/04/2023 01:50	3.6	255	14	5.6	0
09/04/2023 02:00	3.4	248	12	4.7	0
09/04/2023 02:10	4	254	13	5.8	0
09/04/2023 02:20	3.3	253	12	4.6	0
09/04/2023 02:30	3.3	245	12	4.7	0
09/04/2023 02:40	2.9	246	14	4	0
09/04/2023 02:50	3.2	252	11	4.8	0
09/04/2023 03:00	2.9	250	13	4.4	0
09/04/2023 03:10	3.7	249	11	4.7	0
09/04/2023 03:20	3.5	249	13	4.8	0
09/04/2023 03:30	3	251	10	4.1	0
09/04/2023 03:40	2.8	252	13	4	0
09/04/2023 03:50	2.8	254	11	3.9	0
09/04/2023 04:00	2.6	249	13	3.7	0
09/04/2023 04:10	3	253	11	3.9	0
09/04/2023 04:20	3.1	252	11	4.2	0
09/04/2023 04:30	3.3	251	10	4.5	0
09/04/2023 04:40	3.1	249	11	4.4	0
09/04/2023 04:50	2.6	245	12	3.7	0
09/04/2023 05:00	2.6	246	11	3.7	0
09/04/2023 05:10	2.4	243	12	3.6	0
09/04/2023 05:20	2	243	12	3	0
09/04/2023 05:30	2.1	245	10	3	0
09/04/2023 05:40	2.3	250	10	3.1	0
09/04/2023 05:50	1.8	248	11	2.6	0
09/04/2023 06:00	1	237	12	1.4	0
09/04/2023 06:10	1.1	245	8	1.6	0
09/04/2023 06:20	1.2	234	8	1.7	0
09/04/2023 06:30	1.1	220	11	1.5	0
09/04/2023 06:40	0.6	155	19	1	0
09/04/2023 06:50	0.1	114	0	0.6	0
09/04/2023 07:00	0.5	45	6	0.9	0
09/04/2023 07:10	0.5	242	6	0.9	0
09/04/2023 07:20	0.7	213	19	1.1	0
09/04/2023 07:30	0.6	218	25	1	0
09/04/2023 07:40	1.3	232	22	1.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/04/2023 07:50	2.1	240	17	3.1	0
09/04/2023 08:00	2.5	242	14	3.3	0
09/04/2023 08:10	2.9	248	15	3.9	0
09/04/2023 08:20	3.4	243	13	4.5	0
09/04/2023 08:30	2.9	241	15	3.9	0
09/04/2023 08:40	2.5	243	15	3.2	0
09/04/2023 08:50	2.3	249	21	3.2	0
09/04/2023 09:00	2.6	246	17	3.6	0
09/04/2023 09:10	3.1	259	12	4	0
09/04/2023 09:20	3	251	12	3.8	0
09/04/2023 09:30	2.6	254	16	3.6	0
09/04/2023 09:40	2.7	252	19	3.3	0
09/04/2023 09:50	2.5	261	16	3.5	0
09/04/2023 10:00	2.3	269	22	3	0
09/04/2023 10:10	2.3	251	19	3.3	0
09/04/2023 10:20	2.4	257	17	3.3	0
09/04/2023 10:30	2.3	268	19	3.4	0
09/04/2023 10:40	2	275	20	3.3	0
09/04/2023 10:50	1.8	279	26	2.7	0
09/04/2023 11:00	2.2	281	21	3.1	0
09/04/2023 11:10	2.7	280	21	3.6	0
09/04/2023 11:20	2.7	293	20	4	0
09/04/2023 11:30	3	300	15	4.4	0
09/04/2023 11:40	3	291	17	3.8	0
09/04/2023 11:50	3.4	271	19	4.6	0
09/04/2023 12:00	3.7	271	17	4.8	0
09/04/2023 12:10	3.9	267	18	5.4	0
09/04/2023 12:20	3.9	269	15	5.1	0
09/04/2023 12:30	4.1	263	14	5.6	0
09/04/2023 12:40	4.4	262	14	5.6	0
09/04/2023 12:50	4.1	271	16	5.6	0
09/04/2023 13:00	4.5	262	11	5.7	0
09/04/2023 13:10	4.1	264	16	5.6	0
09/04/2023 13:20	4.7	263	14	6	0
09/04/2023 13:30	4.6	262	14	6.4	0
09/04/2023 13:40	4.7	263	12	5.8	0
09/04/2023 13:50	4.9	259	13	6.2	0
09/04/2023 14:00	4.3	257	15	6	0
09/04/2023 14:10	4.6	263	13	6.3	0
09/04/2023 14:20	4.3	262	13	5.6	0
09/04/2023 14:30	5.2	260	12	6.5	0
09/04/2023 14:40	4.7	261	12	6.4	0
09/04/2023 14:50	5.2	261	13	6.7	0
09/04/2023 15:00	4.8	263	15	6.5	0
09/04/2023 15:10	5.3	263	12	6.8	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/04/2023 15:20	4.1	261	16	5.6	0
09/04/2023 15:30	4.9	258	13	6.4	0
09/04/2023 15:40	5.4	255	12	7.1	0
09/04/2023 15:50	5.1	257	11	6.9	0
09/04/2023 16:00	5.5	253	11	7.1	0
09/04/2023 16:10	5.5	262	13	7.5	0
09/04/2023 16:20	5.1	262	14	7.5	0
09/04/2023 16:30	5.6	260	12	7.2	0
09/04/2023 16:40	5.4	261	12	7.4	0
09/04/2023 16:50	5.8	260	12	8.1	0
09/04/2023 17:00	6	258	10	7.8	0
09/04/2023 17:10	5.6	257	11	7.1	0
09/04/2023 17:20	5.3	258	11	7.3	0
09/04/2023 17:30	5.6	259	10	7.5	0
09/04/2023 17:40	5.9	264	13	7.7	0
09/04/2023 17:50	6	262	12	8.2	0
09/04/2023 18:00	5.7	260	11	7.5	0
09/04/2023 18:10	5.7	262	10	7.4	0
09/04/2023 18:20	5.4	262	10	6.9	0
09/04/2023 18:30	5.7	261	10	7.5	0
09/04/2023 18:40	5.8	260	10	7.8	0
09/04/2023 18:50	5.4	259	11	7.2	0
09/04/2023 19:00	5.9	264	10	7.2	0
09/04/2023 19:10	5.5	262	11	7.2	0
09/04/2023 19:20	5.3	261	9	7.3	0
09/04/2023 19:30	5.2	258	11	7	0
09/04/2023 19:40	5	262	10	7	0
09/04/2023 19:50	5.1	263	10	6.5	0
09/04/2023 20:00	5.6	253	11	7.6	0
09/04/2023 20:10	5.1	260	10	7.2	0
09/04/2023 20:20	5	257	12	6.7	0
09/04/2023 20:30	4.9	255	10	6.9	0
09/04/2023 20:40	4.7	252	12	6.4	0
09/04/2023 20:50	5	250	11	6.7	0
09/04/2023 21:00	5	256	11	6.7	0
09/04/2023 21:10	5.1	255	12	6.9	0
09/04/2023 21:20	4.8	251	12	6.6	0
09/04/2023 21:30	4.3	253	10	5.9	0
09/04/2023 21:40	5	253	12	6.5	0
09/04/2023 21:50	4.6	251	13	6	0
09/04/2023 22:00	4	248	12	5.6	0
09/04/2023 22:10	3.9	254	14	5.6	0
09/04/2023 22:20	3.9	246	13	5.4	0
09/04/2023 22:30	3.3	247	11	4.7	0
09/04/2023 22:40	3.3	247	13	4.9	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/04/2023 22:50	3.7	248	12	4.9	0
09/04/2023 23:00	3.5	248	12	5.1	0
09/04/2023 23:10	3.5	252	11	5.2	0
09/04/2023 23:20	3.3	248	12	4.5	0
09/04/2023 23:30	3.1	243	13	4.4	0
09/04/2023 23:40	3.9	243	11	5.4	0
09/04/2023 23:50	4.2	238	12	6	0
10/04/2023 00:00	4.3	239	11	5.9	0
10/04/2023 00:10	4.4	236	13	6.5	0
10/04/2023 00:20	4.4	241	13	6.1	0
10/04/2023 00:30	3.6	247	13	4.8	0
10/04/2023 00:40	4	246	11	5.4	0
10/04/2023 00:50	4.1	246	12	6.4	0
10/04/2023 01:00	4.6	243	12	6.2	0
10/04/2023 01:10	4.8	246	12	6.9	0
10/04/2023 01:20	4.5	244	13	6.5	0
10/04/2023 01:30	4.4	242	12	6	0
10/04/2023 01:40	5.5	243	12	7.4	0
10/04/2023 01:50	5.2	243	13	7.5	0
10/04/2023 02:00	5.1	243	13	7.2	0
10/04/2023 02:10	4.7	247	13	6.9	0
10/04/2023 02:20	4.5	248	11	6.6	0
10/04/2023 02:30	4.9	249	13	6.5	0
10/04/2023 02:40	4.6	248	12	6.5	0
10/04/2023 02:50	3.7	245	12	5.2	0
10/04/2023 03:00	3.6	240	14	4.8	0
10/04/2023 03:10	3.4	240	14	4.8	0
10/04/2023 03:20	3	244	13	4.4	0
10/04/2023 03:30	3.4	248	11	4.3	0
10/04/2023 03:40	3.4	252	10	4.6	0
10/04/2023 03:50	3.3	249	12	4.7	0
10/04/2023 04:00	4.1	255	11	5.2	0
10/04/2023 04:10	3.7	256	12	5	0
10/04/2023 04:20	4	259	10	5	0
10/04/2023 04:30	2.8	255	11	3.8	0
10/04/2023 04:40	2.6	255	12	3.6	0
10/04/2023 04:50	3.2	253	12	4	0
10/04/2023 05:00	3.3	250	11	4.5	0
10/04/2023 05:10	2.9	251	11	4	0
10/04/2023 05:20	2.8	246	12	3.7	0
10/04/2023 05:30	2.7	242	11	3.6	0
10/04/2023 05:40	2.6	243	11	3.4	0
10/04/2023 05:50	2.6	248	10	3.4	0
10/04/2023 06:00	3	247	10	4.1	0
10/04/2023 06:10	2.9	248	10	4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/04/2023 06:20	3.1	247	11	4.2	0
10/04/2023 06:30	3.6	250	12	5	0
10/04/2023 06:40	3.9	255	12	5.5	0
10/04/2023 06:50	3.5	244	13	4.7	0
10/04/2023 07:00	4.1	242	12	5.6	0
10/04/2023 07:10	4.1	247	10	5.6	0
10/04/2023 07:20	4	248	12	5.4	0
10/04/2023 07:30	4.1	248	11	5.9	0
10/04/2023 07:40	4.2	248	13	5.6	0
10/04/2023 07:50	4.1	253	10	5.3	0
10/04/2023 08:00	4.2	253	12	5.3	0
10/04/2023 08:10	4	254	11	5.1	0
10/04/2023 08:20	3.7	251	11	5.2	0
10/04/2023 08:30	3.5	245	13	4.8	0
10/04/2023 08:40	3.6	252	12	4.8	0
10/04/2023 08:50	3.9	252	11	4.9	0
10/04/2023 09:00	4.2	257	10	5.3	0
10/04/2023 09:10	4.3	254	12	5.6	0
10/04/2023 09:20	4.1	256	13	5.3	0
10/04/2023 09:30	4.2	258	13	5.2	0
10/04/2023 09:40	3.4	255	14	4.7	0
10/04/2023 09:50	4	256	13	5.3	0
10/04/2023 10:00	4.3	260	12	6	0
10/04/2023 10:10	4.7	257	12	6.4	0
10/04/2023 10:20	4.6	258	11	6.4	0
10/04/2023 10:30	4.7	262	13	6.4	0
10/04/2023 10:40	5	261	13	6.6	0
10/04/2023 10:50	5	264	12	6.7	0
10/04/2023 11:00	5.1	263	14	6.7	0
10/04/2023 11:10	5.7	263	10	7.2	0
10/04/2023 11:20	5.3	265	13	7.2	0
10/04/2023 11:30	5.4	262	11	6.8	0
10/04/2023 11:40	5	268	16	6.3	0
10/04/2023 11:50	5.3	261	13	7	0
10/04/2023 12:00	5.1	261	13	7.1	0
10/04/2023 12:10	5.3	270	13	7.2	0
10/04/2023 12:20	5.6	265	15	7.2	0
10/04/2023 12:30	6.5	261	11	8.2	0
10/04/2023 12:40	6.8	263	10	9.1	0
10/04/2023 12:50	6.4	264	13	8.8	0
10/04/2023 13:00	6.6	263	12	8.6	0
10/04/2023 13:10	6.3	261	11	8.2	0
10/04/2023 13:20	6.5	262	10	8.6	0
10/04/2023 13:30	6.4	266	11	8.1	0
10/04/2023 13:40	6.4	263	10	8.3	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/04/2023 13:50	6.9	265	10	8.9	0
10/04/2023 14:00	6.8	262	11	8.5	0
10/04/2023 14:10	6.7	263	11	8.4	0
10/04/2023 14:20	6.4	263	13	8.7	0
10/04/2023 14:30	6.8	260	12	8.9	0
10/04/2023 14:40	6.2	258	13	8.7	0
10/04/2023 14:50	7.1	259	12	9.1	0
10/04/2023 15:00	7.2	262	12	9.2	0
10/04/2023 15:10	7.1	260	11	9.9	0
10/04/2023 15:20	6.9	263	12	9	0
10/04/2023 15:30	6.4	259	13	9	0
10/04/2023 15:40	7.5	263	11	9.7	0
10/04/2023 15:50	6.7	263	10	9.1	0
10/04/2023 16:00	6.1	261	13	8.2	0
10/04/2023 16:10	6.4	259	12	8.6	0
10/04/2023 16:20	6.3	259	11	8.4	0
10/04/2023 16:30	6.2	264	11	8.1	0
10/04/2023 16:40	6.5	261	12	8.5	0
10/04/2023 16:50	6.4	259	12	8.5	0
10/04/2023 17:00	6.4	256	13	8.4	0
10/04/2023 17:10	6.4	258	12	9.1	0
10/04/2023 17:20	6.4	256	12	8.9	0
10/04/2023 17:30	6.6	260	11	8.4	0
10/04/2023 17:40	6.3	257	11	8.8	0
10/04/2023 17:50	6.1	255	11	8.6	0
10/04/2023 18:00	6	258	10	7.8	0
10/04/2023 18:10	5.7	255	12	7.9	0
10/04/2023 18:20	6.2	254	12	8.1	0
10/04/2023 18:30	6.3	254	12	9	0
10/04/2023 18:40	6.5	255	11	8.4	0
10/04/2023 18:50	6.1	254	11	8	0
10/04/2023 19:00	5.2	253	13	7.1	0
10/04/2023 19:10	6	255	12	8.1	0
10/04/2023 19:20	5.1	255	12	7.1	0
10/04/2023 19:30	4.6	253	12	6.8	0
10/04/2023 19:40	4.5	252	15	6.1	0
10/04/2023 19:50	4.3	253	13	6.6	0
10/04/2023 20:00	5	254	13	7.2	0
10/04/2023 20:10	5	252	12	7.2	0
10/04/2023 20:20	5.1	250	13	7.3	0
10/04/2023 20:30	4.7	253	13	6.9	0
10/04/2023 20:40	4.3	251	12	6.7	0
10/04/2023 20:50	4.7	247	12	6.8	0
10/04/2023 21:00	4.5	246	13	6.4	0
10/04/2023 21:10	3.9	249	13	5.4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/04/2023 21:20	3.4	244	13	5.5	0
10/04/2023 21:30	3.1	241	14	4.7	0
10/04/2023 21:40	3.4	243	14	5.1	0
10/04/2023 21:50	3.9	239	14	5.2	0
10/04/2023 22:00	3.5	242	13	5.6	0
10/04/2023 22:10	3.9	244	13	5.6	0
10/04/2023 22:20	3.8	247	13	5.2	0
10/04/2023 22:30	3.8	249	13	5.1	0
10/04/2023 22:40	3.6	250	13	4.9	0
10/04/2023 22:50	3.1	248	12	4.2	0
10/04/2023 23:00	2.9	252	11	3.8	0
10/04/2023 23:10	2.7	251	12	3.6	0
10/04/2023 23:20	2.9	251	10	4	0
10/04/2023 23:30	2.8	248	10	4	0
10/04/2023 23:40	2.6	254	11	3.6	0
10/04/2023 23:50	2.7	254	12	3.5	0
11/04/2023 00:00	3	251	11	4.2	0
11/04/2023 00:10	2.7	252	12	3.8	0
11/04/2023 00:20	3.2	253	11	4.5	0
11/04/2023 00:30	3.6	249	11	4.8	0
11/04/2023 00:40	3.3	246	14	4.7	0
11/04/2023 00:50	3.1	252	12	4.4	0
11/04/2023 01:00	2.8	252	12	3.8	0
11/04/2023 01:10	2.8	252	12	3.8	0
11/04/2023 01:20	3.2	255	12	4.4	0
11/04/2023 01:30	3.2	250	12	4.5	0
11/04/2023 01:40	2.9	250	13	3.9	0
11/04/2023 01:50	2.5	251	11	3.2	0
11/04/2023 02:00	2.5	252	14	3.6	0
11/04/2023 02:10	2.8	242	14	4.2	0
11/04/2023 02:20	3.3	239	13	4.6	0
11/04/2023 02:30	3.9	237	13	5.2	0
11/04/2023 02:40	4	238	14	5.6	0
11/04/2023 02:50	3.9	235	12	5.2	0
11/04/2023 03:00	3.1	240	13	4.4	0
11/04/2023 03:10	2.8	248	11	4	0
11/04/2023 03:20	3	248	11	4.4	0
11/04/2023 03:30	3	247	10	3.8	0
11/04/2023 03:40	3.1	244	11	4.4	0
11/04/2023 03:50	2.8	241	11	3.6	0
11/04/2023 04:00	2.5	242	11	3.8	0
11/04/2023 04:10	2.6	240	13	3.6	0
11/04/2023 04:20	2.7	243	12	3.9	0
11/04/2023 04:30	3	248	11	4	0
11/04/2023 04:40	3.2	247	11	4.3	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/04/2023 04:50	2.4	244	12	3.6	0
11/04/2023 05:00	2.8	237	12	3.7	0
11/04/2023 05:10	2.6	235	12	3.6	0
11/04/2023 05:20	2.4	237	12	3.7	0
11/04/2023 05:30	1.7	242	14	2.8	0
11/04/2023 05:40	1.6	245	14	2.3	0
11/04/2023 05:50	1.5	240	19	2.5	0
11/04/2023 06:00	1.3	230	29	1.9	0
11/04/2023 06:10	1.2	231	23	2	0
11/04/2023 06:20	2.5	249	12	3.3	0
11/04/2023 06:30	2.3	247	13	3.8	0
11/04/2023 06:40	2.6	251	11	4	0
11/04/2023 06:50	2.6	246	12	3.6	0
11/04/2023 07:00	3	248	13	4	0
11/04/2023 07:10	3.1	247	13	4.1	0
11/04/2023 07:20	3.3	234	11	4.8	0
11/04/2023 07:30	4	230	13	5.6	0
11/04/2023 07:40	3.6	228	15	5.4	0
11/04/2023 07:50	3.4	229	15	5.2	0
11/04/2023 08:00	3.7	219	14	5	0
11/04/2023 08:10	3.3	217	15	4.5	0
11/04/2023 08:20	3.8	218	17	4.9	0
11/04/2023 08:30	3.4	215	30	4.8	0
11/04/2023 08:40	2.7	218	37	4.4	0
11/04/2023 08:50	2.1	228	46	3.4	0
11/04/2023 09:00	2.1	238	27	3.3	0
11/04/2023 09:10	2.3	234	20	3.2	0
11/04/2023 09:20	2.2	222	29	3.8	0
11/04/2023 09:30	1.7	155	69	3.3	0
11/04/2023 09:40	1.6	209	46	3.2	0
11/04/2023 09:50	1.4	148	58	2.4	0
11/04/2023 10:00	1.8	127	19	2.7	0
11/04/2023 10:10	1.6	138	28	2.4	0
11/04/2023 10:20	1.2	138	66	2	0
11/04/2023 10:30	1.7	125	31	2.7	0
11/04/2023 10:40	1.3	110	57	2.4	0
11/04/2023 10:50	1.7	62	25	2.6	0
11/04/2023 11:00	1.8	37	32	2.9	0
11/04/2023 11:10	1.9	282	34	3.4	0
11/04/2023 11:20	2.2	286	27	4	0
11/04/2023 11:30	2.9	277	18	4.3	0
11/04/2023 11:40	3	262	16	4	0
11/04/2023 11:50	3.2	263	17	4.4	0
11/04/2023 12:00	3.2	261	19	4.7	0
11/04/2023 12:10	3.4	248	16	4.4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/04/2023 12:20	3.5	253	13	4.8	0
11/04/2023 12:30	3.6	252	11	4.4	0.1
11/04/2023 12:40	3.4	251	16	4.4	0
11/04/2023 12:50	2.8	259	21	3.8	0
11/04/2023 13:00	2.7	269	23	4.3	0
11/04/2023 13:10	3.3	267	16	5	0
11/04/2023 13:20	3.8	268	18	5.3	0
11/04/2023 13:30	3.5	276	18	5	0
11/04/2023 13:40	3.8	276	19	4.9	0
11/04/2023 13:50	3.9	293	15	5.1	0
11/04/2023 14:00	3.5	298	15	5.2	0
11/04/2023 14:10	3.8	290	15	5.2	0
11/04/2023 14:20	4.1	304	13	5.2	0
11/04/2023 14:30	4.6	301	12	5.8	0
11/04/2023 14:40	5	298	12	6.4	0
11/04/2023 14:50	5.3	296	10	6.4	0
11/04/2023 15:00	4.7	288	15	6	0
11/04/2023 15:10	4.4	297	11	5.8	0
11/04/2023 15:20	4.1	292	14	5.9	0
11/04/2023 15:30	4.3	290	14	5.9	0
11/04/2023 15:40	4.3	289	15	5.9	0
11/04/2023 15:50	3.9	292	18	5.4	0
11/04/2023 16:00	4.4	290	15	5.9	0
11/04/2023 16:10	4.3	291	15	5.9	0
11/04/2023 16:20	4.4	286	14	5.7	0
11/04/2023 16:30	4.3	289	13	5.5	0
11/04/2023 16:40	4.3	290	12	5.9	0
11/04/2023 16:50	4.1	288	16	5.7	0
11/04/2023 17:00	4.4	288	13	6	0
11/04/2023 17:10	4.4	284	17	6	0
11/04/2023 17:20	3.8	286	14	5.3	0
11/04/2023 17:30	4.3	286	14	5.9	0
11/04/2023 17:40	4.3	280	16	5.9	0
11/04/2023 17:50	4.2	276	13	5.4	0
11/04/2023 18:00	3.9	277	14	5.3	0
11/04/2023 18:10	3.9	280	13	5.6	0
11/04/2023 18:20	4.2	279	13	5.4	0
11/04/2023 18:30	3.7	277	13	5.2	0
11/04/2023 18:40	3.7	278	16	4.9	0
11/04/2023 18:50	3.9	269	14	4.9	0
11/04/2023 19:00	4	262	12	5.2	0
11/04/2023 19:10	3.9	265	12	4.9	0
11/04/2023 19:20	3.6	261	11	5.1	0
11/04/2023 19:30	4.1	260	9	5.5	0
11/04/2023 19:40	4.4	263	11	5.7	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/04/2023 19:50	4	262	10	5.2	0
11/04/2023 20:00	4.3	262	10	5.9	0
11/04/2023 20:10	4.1	261	10	5.3	0
11/04/2023 20:20	4	264	11	5.4	0
11/04/2023 20:30	4.1	261	11	5.4	0
11/04/2023 20:40	4.5	263	11	5.9	0
11/04/2023 20:50	3.8	271	11	5.2	0
11/04/2023 21:00	4	266	10	5.2	0
11/04/2023 21:10	4.2	262	9	6.2	0
11/04/2023 21:20	5	262	10	6.7	0
11/04/2023 21:30	5	261	9	6.6	0
11/04/2023 21:40	5.1	265	9	6.8	0
11/04/2023 21:50	4.9	262	11	6	0
11/04/2023 22:00	4.2	262	11	5.6	0
11/04/2023 22:10	4.6	262	9	5.9	0
11/04/2023 22:20	5	262	9	6.4	0
11/04/2023 22:30	4.4	263	8	5.9	0
11/04/2023 22:40	4.6	263	8	5.8	0
11/04/2023 22:50	3.9	261	9	5.3	0
11/04/2023 23:00	3.8	262	9	4.9	0
11/04/2023 23:10	3.7	262	8	4.8	0
11/04/2023 23:20	3.4	263	9	4.4	0
11/04/2023 23:30	3.2	260	9	4.1	0
11/04/2023 23:40	3.3	260	8	4.4	0
11/04/2023 23:50	3.1	253	11	4.4	0
12/04/2023 00:00	2.8	261	9	3.9	0
12/04/2023 00:10	2.6	258	11	3.6	0
12/04/2023 00:20	2.5	262	9	3.2	0
12/04/2023 00:30	2.3	262	9	3.2	0
12/04/2023 00:40	1.9	261	11	2.4	0
12/04/2023 00:50	1.9	259	8	2.4	0
12/04/2023 01:00	1.4	265	9	2.4	0
12/04/2023 01:10	0.7	259	8	1.2	0
12/04/2023 01:20	0.2	248	7	0.6	0
12/04/2023 01:30					0
12/04/2023 01:40					0
12/04/2023 01:50					0
12/04/2023 02:00	0.1	298	1	0.4	0
12/04/2023 02:10					0
12/04/2023 02:20					0
12/04/2023 02:30					0
12/04/2023 02:40					0
12/04/2023 02:50	0.9	104	11	1.6	0
12/04/2023 03:00	0.6	94	11	1.2	0
12/04/2023 03:10	1.6	98	10	2.1	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/04/2023 03:20	1.5	100	6	2	0
12/04/2023 03:30	0.9	93	7	1.2	0
12/04/2023 03:40	1	96	10	1.6	0
12/04/2023 03:50	0.5	92	5	1.1	0
12/04/2023 04:00	0.2	72	3	0.8	0
12/04/2023 04:10	1.2	101	14	2.3	0
12/04/2023 04:20	1.5	100	13	2.4	0
12/04/2023 04:30	2.3	99	15	3.9	0
12/04/2023 04:40	3.1	90	12	4.6	0
12/04/2023 04:50	2.8	87	12	4.2	0
12/04/2023 05:00	2.7	85	10	3.4	0
12/04/2023 05:10	2.6	87	10	3.2	0
12/04/2023 05:20	2.1	90	11	3.1	0
12/04/2023 05:30	2.1	87	12	2.9	0
12/04/2023 05:40	2	109	15	2.8	0
12/04/2023 05:50	1.6	111	12	2.1	0
12/04/2023 06:00	1	100	17	1.5	0
12/04/2023 06:10	0.8	93	16	1.3	0
12/04/2023 06:20	1.1	110	10	1.5	0
12/04/2023 06:30	1.3	133	20	2.1	0
12/04/2023 06:40	1.9	113	14	2.6	0
12/04/2023 06:50	2.2	117	10	3.1	0
12/04/2023 07:00	2.4	114	14	3.5	0
12/04/2023 07:10	2.5	116	11	3.2	0
12/04/2023 07:20	2.6	123	13	3.6	0
12/04/2023 07:30	2.6	128	13	3.9	0
12/04/2023 07:40	2.6	126	14	3.6	0
12/04/2023 07:50	2.7	117	11	4.1	0
12/04/2023 08:00	2.3	110	11	3.4	0
12/04/2023 08:10	2.8	98	12	4	0
12/04/2023 08:20	3.1	92	12	4.6	0
12/04/2023 08:30	3.3	95	12	4.6	0
12/04/2023 08:40	3.1	93	13	4.4	0
12/04/2023 08:50	3.3	102	12	5	0
12/04/2023 09:00	3.9	99	12	5.4	0
12/04/2023 09:10	3.9	102	13	5.8	0
12/04/2023 09:20	3.8	101	13	5.4	0
12/04/2023 09:30	3.7	102	11	5.1	0
12/04/2023 09:40	3.6	101	12	4.9	0
12/04/2023 09:50	3.7	101	13	5.8	0
12/04/2023 10:00	4.7	101	13	6.6	0
12/04/2023 10:10	4.9	101	13	7.2	0
12/04/2023 10:20	4.4	93	14	6.3	0
12/04/2023 10:30	5	92	15	6.8	0
12/04/2023 10:40	5	86	12	6.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/04/2023 10:50	5.1	85	13	7.2	0
12/04/2023 11:00	5.7	89	12	7.7	0
12/04/2023 11:10	6.7	89	12	9	0
12/04/2023 11:20	6.6	91	14	9	0
12/04/2023 11:30	7.1	88	10	9.3	0
12/04/2023 11:40	6.2	91	13	8.1	0
12/04/2023 11:50	6.5	93	15	9.1	0
12/04/2023 12:00	6.1	82	12	8.6	0
12/04/2023 12:10	6.8	82	10	8.8	0
12/04/2023 12:20	6.4	87	14	9.5	0
12/04/2023 12:30	6.7	77	12	9.4	0
12/04/2023 12:40	7.2	79	10	9.3	0
12/04/2023 12:50	6.5	85	13	8.7	0
12/04/2023 13:00	5.9	84	13	8	0
12/04/2023 13:10	5.6	84	12	8	0
12/04/2023 13:20	5.2	85	12	7.1	0
12/04/2023 13:30	5.5	84	13	7.5	0
12/04/2023 13:40	5.3	83	12	7.5	0
12/04/2023 13:50	5.5	78	15	7	0
12/04/2023 14:00	5.8	72	13	7.6	0
12/04/2023 14:10	5.1	66	16	6.5	0
12/04/2023 14:20	6	63	12	8.2	0
12/04/2023 14:30	5.5	64	12	7.6	0
12/04/2023 14:40	5.2	59	14	7	0
12/04/2023 14:50	5.3	55	13	7.2	0
12/04/2023 15:00	5	56	14	7.2	0
12/04/2023 15:10	4.6	53	14	6.4	0
12/04/2023 15:20	4.2	44	16	5.9	0
12/04/2023 15:30	3.6	52	14	4.9	0
12/04/2023 15:40	3.6	45	13	4.9	0
12/04/2023 15:50	3.8	41	15	5.2	0
12/04/2023 16:00	4.1	40	14	5.6	0
12/04/2023 16:10	4.4	42	12	6	0
12/04/2023 16:20	4.5	44	13	5.6	0
12/04/2023 16:30	4.6	43	12	6	0
12/04/2023 16:40	4.3	46	12	5.5	0
12/04/2023 16:50	4	45	12	5.4	0
12/04/2023 17:00	3.9	44	11	5	0
12/04/2023 17:10	3.7	45	12	4.9	0
12/04/2023 17:20	3.5	42	13	5	0
12/04/2023 17:30	4	42	12	5.4	0
12/04/2023 17:40	3.4	44	14	4.9	0
12/04/2023 17:50	3.4	54	12	4.8	0
12/04/2023 18:00	3.5	50	11	4.5	0
12/04/2023 18:10	3.3	42	13	4.4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/04/2023 18:20	3.1	42	13	4.4	0
12/04/2023 18:30	3.2	55	11	4	0
12/04/2023 18:40	3.1	50	12	4	0
12/04/2023 18:50	3.6	60	11	4.9	0
12/04/2023 19:00	3.5	45	12	4.8	0
12/04/2023 19:10	3.6	45	13	4.7	0
12/04/2023 19:20	3.2	50	13	4.4	0
12/04/2023 19:30	3.2	48	11	4.6	0
12/04/2023 19:40	3	50	12	4	0
12/04/2023 19:50	2.8	51	10	3.7	0
12/04/2023 20:00	2.7	50	12	3.6	0
12/04/2023 20:10	2.4	51	11	3.5	0
12/04/2023 20:20	2.2	53	13	2.9	0
12/04/2023 20:30	2.3	48	12	3.1	0
12/04/2023 20:40	2.3	49	12	3	0
12/04/2023 20:50	2.1	50	11	2.8	0
12/04/2023 21:00	2	45	12	2.7	0
12/04/2023 21:10	0.6	53	11	1.5	0
12/04/2023 21:20	0.8	24	67	1.6	0
12/04/2023 21:30	0.6	33	19	1.2	0
12/04/2023 21:40	0.8	73	13	1.3	0
12/04/2023 21:50	0.7	97	12	1.2	0
12/04/2023 22:00	0	200	3	0.6	0
12/04/2023 22:10	0.3	225	11	1.3	0
12/04/2023 22:20	1.2	231	15	2	0
12/04/2023 22:30	1.7	238	11	2.5	0
12/04/2023 22:40	1.9	235	10	2.9	0
12/04/2023 22:50	1.7	224	14	2.6	0
12/04/2023 23:00	1.8	222	16	2.6	0
12/04/2023 23:10	2	222	16	2.8	0
12/04/2023 23:20	1.7	225	14	2.8	0
12/04/2023 23:30	2.1	230	15	3.1	0
12/04/2023 23:40	2.5	232	13	3.9	0
12/04/2023 23:50	1.7	233	12	2.7	0
13/04/2023 00:00	1.4	231	12	2	0
13/04/2023 00:10	0.5	221	9	1.3	0
13/04/2023 00:20	0.1	217	13	0.6	0
13/04/2023 00:30	0.8	224	18	2	0
13/04/2023 00:40	1.1	216	14	1.9	0
13/04/2023 00:50	0.1	173	13	0.8	0
13/04/2023 01:00	0.2	186	7	0.7	0
13/04/2023 01:10	0.8	222	15	2	0
13/04/2023 01:20	0.2	214	8	1.2	0
13/04/2023 01:30	1.3	229	13	2.4	0
13/04/2023 01:40	1.5	221	15	2.3	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/04/2023 01:50	1.9	228	16	2.8	0
13/04/2023 02:00	1.8	217	19	2.5	0
13/04/2023 02:10	1.7	221	15	2.5	0
13/04/2023 02:20	1.6	218	15	2.2	0
13/04/2023 02:30	1.8	216	21	2.7	0
13/04/2023 02:40	2.2	217	15	3.1	0
13/04/2023 02:50	2.3	218	16	3.1	0
13/04/2023 03:00	2.1	228	17	3.2	0
13/04/2023 03:10	2.4	231	14	3.5	0
13/04/2023 03:20	1.9	235	14	2.8	0
13/04/2023 03:30	2.2	230	17	3.6	0
13/04/2023 03:40	2.6	226	15	3.6	0
13/04/2023 03:50	2.2	226	19	3.9	0
13/04/2023 04:00	2.7	220	21	3.8	0
13/04/2023 04:10	2.8	222	17	4.1	0
13/04/2023 04:20	2.8	218	18	3.7	0
13/04/2023 04:30	2.8	217	25	4.2	0
13/04/2023 04:40	1.7	163	74	3.5	0.1
13/04/2023 04:50	1.6	243	70	3.6	0.7
13/04/2023 05:00	3.4	217	25	5.3	0.3
13/04/2023 05:10	3.4	227	14	5.4	0
13/04/2023 05:20	3.8	227	17	6.2	0
13/04/2023 05:30	4.7	220	13	6.4	0
13/04/2023 05:40	4	219	20	6	0
13/04/2023 05:50	4	221	19	5.7	0
13/04/2023 06:00	3.3	218	18	4.8	0
13/04/2023 06:10	3.1	215	18	4.3	0
13/04/2023 06:20	3.6	218	18	4.8	0
13/04/2023 06:30	3.2	215	24	4.8	0
13/04/2023 06:40	3.4	219	26	5.2	0
13/04/2023 06:50	3	215	36	5.2	0
13/04/2023 07:00	2.5	219	47	4.2	0
13/04/2023 07:10	2.3	218	34	3.8	0
13/04/2023 07:20	3.1	217	24	4.5	0
13/04/2023 07:30	2.9	218	23	4.2	0
13/04/2023 07:40	2.7	220	28	4.3	0
13/04/2023 07:50	2.4	228	52	4.5	0
13/04/2023 08:00	2.1	228	62	3.9	0
13/04/2023 08:10	2.3	226	46	3.9	0
13/04/2023 08:20	2.2	239	67	3.8	0
13/04/2023 08:30	1.9	255	86	3.6	0
13/04/2023 08:40	1.6	15	83	2.7	0
13/04/2023 08:50	1.8	292	85	2.6	0
13/04/2023 09:00	1.9	217	71	3.5	0
13/04/2023 09:10	2.5	136	39	4.3	0.1



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/04/2023 09:20	2.3	139	52	3.7	0
13/04/2023 09:30	2.7	137	33	4.6	0
13/04/2023 09:40	2.7	138	29	4.2	0
13/04/2023 09:50	3.3	144	32	5	0
13/04/2023 10:00	3.7	128	17	4.9	0
13/04/2023 10:10	3.6	137	18	5.2	0
13/04/2023 10:20	3.5	132	17	5.2	0
13/04/2023 10:30	4.1	125	14	6.4	0
13/04/2023 10:40	4.2	127	16	6.4	0
13/04/2023 10:50	4	115	18	5.7	0
13/04/2023 11:00	3.7	121	17	5.4	0
13/04/2023 11:10	3.5	106	13	4.7	0
13/04/2023 11:20	3.4	124	17	6	0
13/04/2023 11:30	4.1	126	13	6.2	0
13/04/2023 11:40	3.7	126	16	5.1	0
13/04/2023 11:50	4	108	14	5.8	0
13/04/2023 12:00	4.4	105	12	5.6	0
13/04/2023 12:10	4.3	86	14	5.9	0
13/04/2023 12:20	4.2	82	12	5.7	0
13/04/2023 12:30	4.1	82	12	5.3	0
13/04/2023 12:40	4.2	81	13	5.9	0
13/04/2023 12:50	3.9	83	12	5.3	0
13/04/2023 13:00	3.1	94	18	5.3	0
13/04/2023 13:10	3	94	16	4.4	0
13/04/2023 13:20	3.1	96	20	4.4	0
13/04/2023 13:30	2.9	92	14	4.1	0
13/04/2023 13:40	3.2	100	15	4.3	0
13/04/2023 13:50	3.5	80	12	5.5	0
13/04/2023 14:00	3.5	75	15	4.9	0
13/04/2023 14:10	2.4	77	17	3.8	0
13/04/2023 14:20	2.7	84	12	3.6	0
13/04/2023 14:30	2.8	76	12	3.9	0
13/04/2023 14:40	2.6	80	12	4	0
13/04/2023 14:50	2	86	24	3.2	0
13/04/2023 15:00	2.7	98	13	3.8	0
13/04/2023 15:10	3.5	77	13	5.5	0
13/04/2023 15:20	3.1	97	13	4.4	0
13/04/2023 15:30	3.4	99	14	4.9	0
13/04/2023 15:40	3.5	98	13	6	0
13/04/2023 15:50	5	103	12	6.8	0
13/04/2023 16:00	4.1	99	12	5.6	0
13/04/2023 16:10	3.8	117	14	5.2	0
13/04/2023 16:20	3.3	124	15	4.6	0
13/04/2023 16:30	3.1	131	18	4.4	0
13/04/2023 16:40	2.7	137	19	3.7	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/04/2023 16:50	1.8	131	44	3	0
13/04/2023 17:00	4.1	256	24	6.8	0
13/04/2023 17:10	4.7	258	14	6.8	0
13/04/2023 17:20	3.7	256	14	5.2	0
13/04/2023 17:30	3.4	250	14	4.8	0
13/04/2023 17:40	3.3	249	14	4.8	0
13/04/2023 17:50	3.6	251	12	4.9	0
13/04/2023 18:00	3.6	253	12	5.5	0
13/04/2023 18:10	3.7	248	15	5.2	0
13/04/2023 18:20	3.7	245	12	5	0
13/04/2023 18:30	4.1	249	12	5.2	0
13/04/2023 18:40	4.1	250	11	5.2	0
13/04/2023 18:50	3.9	247	14	5.2	0
13/04/2023 19:00	3.7	247	12	5.5	0
13/04/2023 19:10	3.9	244	15	5.5	0
13/04/2023 19:20	4	249	13	5.5	0
13/04/2023 19:30	3.4	252	15	5	0
13/04/2023 19:40	3.3	254	11	4.8	0
13/04/2023 19:50	3.6	246	15	5.4	0
13/04/2023 20:00	4.6	249	13	6.2	0
13/04/2023 20:10	5.1	244	14	6.8	0
13/04/2023 20:20	4.4	247	12	6.1	0
13/04/2023 20:30	3.9	247	12	5.6	0
13/04/2023 20:40	3.9	247	13	5.5	0
13/04/2023 20:50	3.4	246	12	5.1	0
13/04/2023 21:00	3.4	243	13	5	0
13/04/2023 21:10	3.4	242	13	4.8	0
13/04/2023 21:20	3.1	243	12	4.4	0.1
13/04/2023 21:30	4.2	256	12	5.5	0
13/04/2023 21:40	3.8	256	11	5.2	0
13/04/2023 21:50	4.2	259	9	5.4	0
13/04/2023 22:00	3.7	246	11	5.2	0
13/04/2023 22:10	3.1	250	12	4.5	0
13/04/2023 22:20	3.9	257	11	5	0
13/04/2023 22:30	3.2	257	13	4.4	0
13/04/2023 22:40	3.8	257	10	5.2	0
13/04/2023 22:50	3.6	256	10	5	0
13/04/2023 23:00	3.7	257	11	4.8	0
13/04/2023 23:10	3	250	15	4.3	0
13/04/2023 23:20	1.7	241	15	2.4	0
13/04/2023 23:30	1.9	251	14	2.8	0
13/04/2023 23:40	2.9	259	11	3.8	0
13/04/2023 23:50	3.5	258	11	4.7	0
14/04/2023 00:00	3.4	241	13	4.9	0
14/04/2023 00:10	4	243	15	5.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/04/2023 00:20	3.6	234	14	5.8	0
14/04/2023 00:30	3.7	238	15	5.8	0
14/04/2023 00:40	2.8	234	16	4	0
14/04/2023 00:50	3.5	247	12	4.7	0
14/04/2023 01:00	3.5	239	15	5.6	0
14/04/2023 01:10	3.7	241	13	5.4	0
14/04/2023 01:20	3.4	242	12	5.2	0
14/04/2023 01:30	3.2	249	14	4.5	0
14/04/2023 01:40	4.1	255	10	5.2	0
14/04/2023 01:50	4.2	254	13	5.5	0
14/04/2023 02:00	4.1	251	13	5.6	0
14/04/2023 02:10	3.9	246	12	5.6	0
14/04/2023 02:20	3.8	239	15	6	0
14/04/2023 02:30	4.3	237	15	6	0
14/04/2023 02:40	4.7	239	15	7.3	0
14/04/2023 02:50	5.4	234	16	8	0
14/04/2023 03:00	5.7	231	12	8.4	0
14/04/2023 03:10	5.9	227	14	8.1	0
14/04/2023 03:20	5.7	227	15	7.9	0
14/04/2023 03:30	5.7	227	15	8.3	0
14/04/2023 03:40	5.8	231	15	8.9	0
14/04/2023 03:50	6.2	228	14	8.5	0
14/04/2023 04:00	6.1	229	13	8.2	0
14/04/2023 04:10	6.1	231	12	8.5	0
14/04/2023 04:20	5.8	228	15	8.2	0
14/04/2023 04:30	5.5	225	17	7.9	0
14/04/2023 04:40	5.2	223	15	7.7	0
14/04/2023 04:50	5.2	227	13	7.4	0
14/04/2023 05:00	5	226	13	7.7	0
14/04/2023 05:10	4.8	230	15	6.8	0
14/04/2023 05:20	4.6	229	14	6.8	0
14/04/2023 05:30	4.4	231	14	6	0
14/04/2023 05:40	4.2	231	13	6.2	0
14/04/2023 05:50	4	241	12	6.1	0
14/04/2023 06:00	4	246	14	6	0
14/04/2023 06:10	4.4	245	12	5.9	0
14/04/2023 06:20	4.3	252	12	5.6	0
14/04/2023 06:30	4.4	250	13	6	0
14/04/2023 06:40	4.5	248	13	6	0
14/04/2023 06:50	4.3	247	12	5.7	0
14/04/2023 07:00	4.5	244	13	6.4	0
14/04/2023 07:10	4.2	241	12	5.6	0
14/04/2023 07:20	4.3	243	12	6.4	0
14/04/2023 07:30	4.7	238	14	6.8	0
14/04/2023 07:40	5.2	231	14	7.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/04/2023 07:50	5.2	231	15	7.7	0
14/04/2023 08:00	5	228	14	7.2	0
14/04/2023 08:10	5.5	230	12	7.5	0
14/04/2023 08:20	5	233	15	6.6	0
14/04/2023 08:30	5	233	14	7.1	0
14/04/2023 08:40	5.3	230	14	7.8	0
14/04/2023 08:50	5.3	235	11	7.3	0
14/04/2023 09:00	4.7	231	15	6.5	0
14/04/2023 09:10	4	230	14	5.8	0
14/04/2023 09:20	5.1	244	13	6.8	0
14/04/2023 09:30	4.9	233	15	6.5	0
14/04/2023 09:40	5.2	234	14	7.2	0
14/04/2023 09:50	4.5	227	22	6.8	0
14/04/2023 10:00	4.5	227	18	6.5	0
14/04/2023 10:10	5	228	16	7.5	0
14/04/2023 10:20	4.5	227	16	6.8	0
14/04/2023 10:30	5	231	15	7.3	0
14/04/2023 10:40	5	224	16	6.8	0
14/04/2023 10:50	4.1	222	26	6.7	0
14/04/2023 11:00	5	222	20	7.5	0
14/04/2023 11:10	4.6	227	18	6.8	0
14/04/2023 11:20	4.8	225	18	7.4	0
14/04/2023 11:30	4.6	227	20	7.6	0
14/04/2023 11:40	4.3	225	31	7.2	0
14/04/2023 11:50	4.6	220	26	7.3	0
14/04/2023 12:00	4.7	231	18	6.8	0
14/04/2023 12:10	4.3	225	18	6.2	0
14/04/2023 12:20	4.8	225	18	7.3	0
14/04/2023 12:30	4.3	234	33	7.2	0
14/04/2023 12:40	4.8	236	17	6.9	0
14/04/2023 12:50	4.3	220	26	7.1	0
14/04/2023 13:00	4.6	224	18	6.8	0
14/04/2023 13:10	4.7	224	16	7	0
14/04/2023 13:20	4.2	228	41	7.2	0
14/04/2023 13:30	4.5	231	18	6.6	0
14/04/2023 13:40	4.5	218	28	7.1	0
14/04/2023 13:50	3.8	227	38	6.8	0
14/04/2023 14:00	4.5	232	24	7.5	0
14/04/2023 14:10	4.2	227	17	7	0
14/04/2023 14:20	4.8	239	14	6.8	0
14/04/2023 14:30	4	223	21	6.8	0
14/04/2023 14:40	4.6	231	16	7.2	0
14/04/2023 14:50	4.6	231	17	8.1	0
14/04/2023 15:00	4.2	238	16	6.8	0
14/04/2023 15:10	4.4	235	16	6.4	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/04/2023 15:20	4.6	232	17	6.4	0
14/04/2023 15:30	4.2	224	19	6.2	0
14/04/2023 15:40	4.3	232	18	6.9	0
14/04/2023 15:50	4.5	236	16	6	0
14/04/2023 16:00	4.6	234	15	6	0
14/04/2023 16:10	4.8	236	15	6.8	0
14/04/2023 16:20	4.6	246	13	6.6	0
14/04/2023 16:30	4.8	226	17	6.9	0
14/04/2023 16:40	4.8	243	15	6.8	0
14/04/2023 16:50	4.3	253	15	6.1	0
14/04/2023 17:00	4	249	14	5.6	0
14/04/2023 17:10	5.2	259	14	8	0
14/04/2023 17:20	5.4	264	12	6.8	0
14/04/2023 17:30	4.7	257	11	6.4	0
14/04/2023 17:40	5.2	263	11	6.4	0
14/04/2023 17:50	4.8	258	11	6.3	0
14/04/2023 18:00	3.6	254	11	4.8	0
14/04/2023 18:10	3.1	241	12	4.8	0
14/04/2023 18:20	3.2	250	11	4.2	0
14/04/2023 18:30	3.1	251	12	4.1	0
14/04/2023 18:40	3.1	253	12	4.4	0
14/04/2023 18:50	2.7	253	11	3.7	0
14/04/2023 19:00	2.5	248	12	3.6	0
14/04/2023 19:10	2.6	235	14	3.6	0
14/04/2023 19:20	3	232	14	4.7	0
14/04/2023 19:30	3.4	234	14	4.9	0
14/04/2023 19:40	3.1	233	11	4	0
14/04/2023 19:50	3	234	14	3.7	0
14/04/2023 20:00	3	235	12	4.2	0
14/04/2023 20:10	2.8	236	12	4	0
14/04/2023 20:20	2.9	233	15	3.9	0
14/04/2023 20:30	2.5	235	13	3.5	0
14/04/2023 20:40	2.6	233	15	3.3	0
14/04/2023 20:50	2.6	229	16	3.6	0
14/04/2023 21:00	2.7	224	17	4	0
14/04/2023 21:10	3.3	218	14	4.7	0
14/04/2023 21:20	3.1	219	14	4	0
14/04/2023 21:30	2.7	221	19	3.6	0
14/04/2023 21:40	2.8	218	16	3.6	0
14/04/2023 21:50	2.9	216	17	4.4	0
14/04/2023 22:00	3	217	25	4.5	0
14/04/2023 22:10	2.7	219	25	4	0
14/04/2023 22:20	2.4	222	41	3.4	0
14/04/2023 22:30	2.7	222	31	4	0
14/04/2023 22:40	2.1	233	55	3.9	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/04/2023 22:50	2.2	227	54	3.5	0
14/04/2023 23:00	3.1	218	30	4.6	0
14/04/2023 23:10	2	227	61	3.4	0
14/04/2023 23:20	2.5	220	41	3.8	0
14/04/2023 23:30	2.6	215	31	4.2	0
14/04/2023 23:40	2.9	216	39	4.4	0
14/04/2023 23:50	3.1	219	33	4.7	0
15/04/2023 00:00	2.4	230	54	3.6	0
15/04/2023 00:10	2.4	226	53	4.3	0
15/04/2023 00:20	2	228	71	3.3	0
15/04/2023 00:30	1.9	276	79	2.9	0
15/04/2023 00:40	2.1	235	66	3.5	0
15/04/2023 00:50	2.2	229	53	3.6	0
15/04/2023 01:00	2.1	221	51	3.5	0
15/04/2023 01:10	2.1	224	61	3.8	0
15/04/2023 01:20	2	221	67	3.4	0
15/04/2023 01:30	1.7	225	61	2.9	0
15/04/2023 01:40	1.8	230	60	2.8	0
15/04/2023 01:50	2	234	62	3.2	0
15/04/2023 02:00	1.7	286	84	3.2	0
15/04/2023 02:10	1.4	341	88	2.4	0
15/04/2023 02:20	1.5	163	88	2.9	0
15/04/2023 02:30	1.5	64	79	2.5	0
15/04/2023 02:40	1.8	130	67	3	0
15/04/2023 02:50	1.7	121	64	2.8	0
15/04/2023 03:00	1.7	132	64	3.1	0
15/04/2023 03:10	1.7	130	41	3	0
15/04/2023 03:20	1.5	142	53	2.5	0
15/04/2023 03:30	1.1	63	85	1.8	0
15/04/2023 03:40	1.3	171	80	2.4	0
15/04/2023 03:50	1.6	139	49	2.9	0
15/04/2023 04:00	1.6	147	39	2.5	0
15/04/2023 04:10	1.9	142	19	2.8	0
15/04/2023 04:20	2	141	25	2.9	0
15/04/2023 04:30	2	145	27	3.6	0
15/04/2023 04:40	3	146	18	4	0
15/04/2023 04:50	2.4	141	19	3.7	0
15/04/2023 05:00	2	134	22	2.8	0
15/04/2023 05:10	1.3	118	40	1.7	0
15/04/2023 05:20	1.9	138	37	3.3	0
15/04/2023 05:30	2.5	121	16	3.8	0
15/04/2023 05:40	3	113	14	4.2	0
15/04/2023 05:50	3.9	109	13	6	0
15/04/2023 06:00	4.1	117	13	6.2	0
15/04/2023 06:10	3.9	117	15	6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/04/2023 06:20	4.9	107	13	7.8	0
15/04/2023 06:30	5.4	111	14	8.3	0
15/04/2023 06:40	5	109	12	6.8	0
15/04/2023 06:50	5.2	107	10	7.4	0
15/04/2023 07:00	5	106	12	7	0
15/04/2023 07:10	6.1	108	12	8.3	0
15/04/2023 07:20	6.4	109	12	9	0
15/04/2023 07:30	6.4	112	13	9.2	0
15/04/2023 07:40	7	110	13	10	0
15/04/2023 07:50	7	113	13	9.6	0
15/04/2023 08:00	6.1	109	14	8.4	0
15/04/2023 08:10	6.1	113	14	8.9	0
15/04/2023 08:20	6.9	102	12	9.4	0
15/04/2023 08:30	7.1	104	13	10.2	0
15/04/2023 08:40	6.6	104	14	9.1	0
15/04/2023 08:50	7.1	110	12	9.5	0
15/04/2023 09:00	7.1	107	13	9.7	0
15/04/2023 09:10	7	112	13	10.2	0
15/04/2023 09:20	7.4	106	14	10.3	0
15/04/2023 09:30	7.2	107	11	10.2	0
15/04/2023 09:40	6.5	117	16	8.7	0
15/04/2023 09:50	6.7	113	14	9.1	0
15/04/2023 10:00	7.2	105	12	9.9	0
15/04/2023 10:10	6.9	105	13	10.4	0
15/04/2023 10:20	5.9	109	13	9.3	0
15/04/2023 10:30	6.7	104	13	9.9	0
15/04/2023 10:40	6.3	107	15	8.7	0
15/04/2023 10:50	7.1	108	13	9.5	0
15/04/2023 11:00	6.6	107	16	9.1	0
15/04/2023 11:10	6.7	103	14	9.2	0
15/04/2023 11:20	6.4	113	14	8.7	0
15/04/2023 11:30	6.1	107	18	8.2	0
15/04/2023 11:40	5.8	113	15	8.2	0
15/04/2023 11:50	5.7	99	13	7.9	0
15/04/2023 12:00	6.1	103	14	8.4	0
15/04/2023 12:10	6	89	15	8.1	0
15/04/2023 12:20	6.1	92	14	8.6	0
15/04/2023 12:30	5.9	88	15	7.9	0
15/04/2023 12:40	5.7	88	13	8.3	0
15/04/2023 12:50	5.4	88	13	8.7	0
15/04/2023 13:00	5.6	74	13	8	0
15/04/2023 13:10	5.8	74	15	8	0
15/04/2023 13:20	5.8	75	13	7.8	0
15/04/2023 13:30	5.8	72	13	8	0
15/04/2023 13:40	6	72	12	7.9	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/04/2023 13:50	5.8	72	11	7.7	0
15/04/2023 14:00	5.9	77	13	8.5	0
15/04/2023 14:10	5.6	75	17	7.9	0
15/04/2023 14:20	5.4	75	14	7.5	0
15/04/2023 14:30	5.5	72	14	7.5	0
15/04/2023 14:40	5.7	78	13	7.6	0
15/04/2023 14:50	5.4	70	12	7.5	0
15/04/2023 15:00	5.2	66	14	7.5	0
15/04/2023 15:10	5.3	63	13	7.4	0
15/04/2023 15:20	4.9	61	14	6.6	0
15/04/2023 15:30	4.7	59	13	6.1	0
15/04/2023 15:40	5	64	15	7	0
15/04/2023 15:50	5.1	66	11	6.8	0
15/04/2023 16:00	5.3	63	12	7.4	0
15/04/2023 16:10	5	65	11	7	0
15/04/2023 16:20	4.7	65	12	6.7	0
15/04/2023 16:30	4.6	63	13	6.4	0
15/04/2023 16:40	5	64	12	6.6	0
15/04/2023 16:50	4.8	62	11	6.9	0
15/04/2023 17:00	4.7	64	11	6.4	0
15/04/2023 17:10	4.7	61	13	6.3	0
15/04/2023 17:20	5.3	59	11	6.7	0
15/04/2023 17:30	4.8	56	11	6.4	0
15/04/2023 17:40	4.2	65	13	5.8	0
15/04/2023 17:50	4.3	59	12	6	0
15/04/2023 18:00	4.6	64	12	6.4	0
15/04/2023 18:10	4.3	65	10	5.6	0
15/04/2023 18:20	4.3	61	11	6	0
15/04/2023 18:30	3.7	64	11	5.2	0
15/04/2023 18:40	3.5	60	10	4.9	0
15/04/2023 18:50	4.1	61	12	5.4	0
15/04/2023 19:00	3.1	62	14	4.8	0
15/04/2023 19:10	1.4	157	45	2.8	0
15/04/2023 19:20	1.9	245	10	2.8	0
15/04/2023 19:30	1.8	148	60	3.1	0
15/04/2023 19:40	0.4	176	14	0.9	0
15/04/2023 19:50	1.5	236	28	2.4	0
15/04/2023 20:00	0.7	209	36	1.1	0
15/04/2023 20:10	0.4	146	7	0.8	0
15/04/2023 20:20	0.4	55	9	1.2	0
15/04/2023 20:30	0.3	210	10	1.2	0
15/04/2023 20:40	0.3	186	16	0.8	0
15/04/2023 20:50	1.2	60	9	1.6	0
15/04/2023 21:00	1.2	83	14	1.6	0
15/04/2023 21:10	1.2	123	14	1.9	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/04/2023 21:20	2.6	140	24	3.8	0
15/04/2023 21:30	1.2	89	88	2.4	0
15/04/2023 21:40	2.6	113	20	3.9	0
15/04/2023 21:50	4.1	104	12	5.7	0
15/04/2023 22:00	3.7	101	11	5.1	0
15/04/2023 22:10	3.7	104	11	5.1	0
15/04/2023 22:20	2.9	110	11	4.4	0
15/04/2023 22:30	4.2	103	12	6	0
15/04/2023 22:40	4.5	104	13	6.5	0
15/04/2023 22:50	3.7	98	12	5.6	0
15/04/2023 23:00	3.8	103	13	5.8	0
15/04/2023 23:10	4.3	98	11	6	0
15/04/2023 23:20	3.7	97	13	5.3	0
15/04/2023 23:30	4.2	102	13	6.4	0
15/04/2023 23:40	3.5	93	13	5.3	0
15/04/2023 23:50	4	100	11	5.3	0
16/04/2023 00:00	3.2	101	12	4.2	0
16/04/2023 00:10	3.4	102	14	4.8	0
16/04/2023 00:20	4.2	99	12	6.7	0
16/04/2023 00:30	3.7	97	12	5.1	0
16/04/2023 00:40	3.4	98	12	4.8	0
16/04/2023 00:50	3.7	94	12	4.8	0
16/04/2023 01:00	4.2	98	11	5.6	0
16/04/2023 01:10	3.7	96	12	5.4	0
16/04/2023 01:20	3.8	100	12	5.6	0
16/04/2023 01:30	4.6	102	10	6.6	0
16/04/2023 01:40	5	100	10	6.5	0
16/04/2023 01:50	4.2	104	10	6.4	0
16/04/2023 02:00	4.8	102	9	6.3	0
16/04/2023 02:10	4.8	105	12	7	0
16/04/2023 02:20	4	101	11	5.6	0
16/04/2023 02:30	4.5	102	11	5.8	0
16/04/2023 02:40	5.6	102	12	7.5	0
16/04/2023 02:50	6.3	102	12	8.9	0
16/04/2023 03:00	6	104	12	8.2	0
16/04/2023 03:10	6.7	104	12	9.5	0
16/04/2023 03:20	6.8	101	12	10.1	0
16/04/2023 03:30	6.5	107	11	9.1	0
16/04/2023 03:40	6.5	103	12	8.8	0
16/04/2023 03:50	6.4	99	13	9	0
16/04/2023 04:00	7.1	104	11	10.3	0
16/04/2023 04:10	6.3	107	13	9.2	0
16/04/2023 04:20	6.9	103	10	9.7	0
16/04/2023 04:30	7.2	103	11	10	0
16/04/2023 04:40	6.5	103	11	9.1	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/04/2023 04:50	6.8	101	11	9.1	0
16/04/2023 05:00	6.5	99	14	8.9	0
16/04/2023 05:10	6.9	98	12	10.6	0
16/04/2023 05:20	7.2	103	11	10.9	0
16/04/2023 05:30	7.1	102	12	10.9	0
16/04/2023 05:40	7.1	104	13	9.5	0
16/04/2023 05:50	7.1	102	12	9.5	0
16/04/2023 06:00	7.3	102	12	9.6	0
16/04/2023 06:10	7.4	98	13	11.1	0
16/04/2023 06:20	7.3	101	10	10.6	0
16/04/2023 06:30	7.8	103	12	11.1	0
16/04/2023 06:40	8.1	105	12	11.6	0
16/04/2023 06:50	8	104	11	10.7	0
16/04/2023 07:00	7.9	105	13	10.9	0
16/04/2023 07:10	7.5	104	12	10.8	0
16/04/2023 07:20	8	104	12	11.1	0
16/04/2023 07:30	8.3	103	10	11	0
16/04/2023 07:40	8	109	11	12	0
16/04/2023 07:50	8.7	107	12	11.9	0
16/04/2023 08:00	9	103	10	12	0
16/04/2023 08:10	8.9	105	10	12.2	0
16/04/2023 08:20	8.1	107	12	11	0
16/04/2023 08:30	8.6	102	13	11.3	0
16/04/2023 08:40	8.5	105	11	11.5	0
16/04/2023 08:50	8.7	107	12	12	0
16/04/2023 09:00	8.5	104	11	11.8	0
16/04/2023 09:10	8.7	104	11	12.2	0
16/04/2023 09:20	8.6	104	12	12	0
16/04/2023 09:30	9.5	106	11	12.8	0
16/04/2023 09:40	9.4	105	10	12.7	0
16/04/2023 09:50	9.3	106	11	12.2	0
16/04/2023 10:00	8.8	107	12	12.2	0
16/04/2023 10:10	8.4	103	14	11	0
16/04/2023 10:20	8.3	106	11	11.3	0
16/04/2023 10:30	8.4	99	15	11.1	0
16/04/2023 10:40	8.3	101	12	10.9	0
16/04/2023 10:50	7.7	100	13	11.1	0
16/04/2023 11:00	8.2	100	14	11.1	0
16/04/2023 11:10	8.1	100	13	11.5	0
16/04/2023 11:20	8.2	92	14	11.1	0
16/04/2023 11:30	7.6	92	13	11.2	0
16/04/2023 11:40	8.1	90	11	11.6	0
16/04/2023 11:50	8	85	10	11.3	0
16/04/2023 12:00	8.2	86	11	11.3	0
16/04/2023 12:10	8.5	92	12	11.1	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/04/2023 12:20	8.4	90	11	11.1	0
16/04/2023 12:30	8.1	90	13	10.8	0
16/04/2023 12:40	8	86	13	10.7	0
16/04/2023 12:50	8.4	83	12	11	0
16/04/2023 13:00	7.5	87	12	10.3	0
16/04/2023 13:10	7.9	93	11	10.4	0
16/04/2023 13:20	8	85	12	11.2	0
16/04/2023 13:30	7.8	85	11	10.2	0
16/04/2023 13:40	7.6	92	13	9.9	0
16/04/2023 13:50	6.8	90	13	9.3	0
16/04/2023 14:00	6.7	87	11	9.5	0
16/04/2023 14:10	7	80	12	9.8	0
16/04/2023 14:20	7	83	13	9.2	0
16/04/2023 14:30	7.3	75	11	9.7	0
16/04/2023 14:40	6.2	77	13	8.8	0
16/04/2023 14:50	6.4	72	11	8.5	0
16/04/2023 15:00	6.4	73	13	8.7	0
16/04/2023 15:10	6	72	13	7.9	0
16/04/2023 15:20	5.9	76	13	7.9	0
16/04/2023 15:30	5.9	71	12	7.6	0
16/04/2023 15:40	6.1	71	10	8.2	0
16/04/2023 15:50	5.4	67	12	7.7	0
16/04/2023 16:00	5.3	69	15	7.6	0
16/04/2023 16:10	5.1	59	10	7.2	0
16/04/2023 16:20	4.9	64	15	6.8	0
16/04/2023 16:30	5.3	65	13	7.1	0
16/04/2023 16:40	5.1	60	14	7.2	0
16/04/2023 16:50	4.6	55	13	6.1	0
16/04/2023 17:00	4.7	59	13	6.6	0
16/04/2023 17:10	4.9	57	13	6.6	0
16/04/2023 17:20	4.2	61	15	5.9	0
16/04/2023 17:30	4.3	60	11	6	0
16/04/2023 17:40	4.5	56	11	6	0
16/04/2023 17:50	4	62	11	5.6	0
16/04/2023 18:00	3.6	60	11	4.7	0
16/04/2023 18:10	3.3	66	10	4.3	0
16/04/2023 18:20	2.9	68	10	4.1	0
16/04/2023 18:30	2.8	65	10	3.7	0
16/04/2023 18:40	3	62	10	4.5	0
16/04/2023 18:50	2.9	57	9	3.9	0
16/04/2023 19:00	2.8	64	11	4.1	0
16/04/2023 19:10	2.9	65	11	3.6	0
16/04/2023 19:20	2.5	61	11	3.5	0
16/04/2023 19:30	2.8	67	10	3.6	0
16/04/2023 19:40	2.5	67	10	3.5	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/04/2023 19:50	2.2	67	10	3.4	0
16/04/2023 20:00	2.5	67	9	3.1	0
16/04/2023 20:10	2.3	66	9	3.2	0
16/04/2023 20:20	2.4	65	10	3.2	0
16/04/2023 20:30	2	64	9	2.9	0
16/04/2023 20:40	1.7	56	9	2.2	0
16/04/2023 20:50	1.7	58	9	2.4	0
16/04/2023 21:00	1.9	63	8	2.8	0
16/04/2023 21:10	1.8	53	8	2.7	0
16/04/2023 21:20	1.4	55	5	1.7	0
16/04/2023 21:30	1.4	52	6	1.8	0
16/04/2023 21:40	1.6	51	5	2	0
16/04/2023 21:50	1.7	52	5	2	0
16/04/2023 22:00	2	56	7	2.5	0
16/04/2023 22:10	2.1	57	8	2.9	0
16/04/2023 22:20	2.2	56	7	2.8	0
16/04/2023 22:30	2.4	63	8	3.3	0
16/04/2023 22:40	2.3	64	7	3.1	0
16/04/2023 22:50	2.2	62	8	2.8	0
16/04/2023 23:00	2.3	64	8	3.1	0
16/04/2023 23:10	2.5	66	9	3.4	0
16/04/2023 23:20	2.6	65	10	3.6	0
16/04/2023 23:30	2.7	68	7	3.5	0
16/04/2023 23:40	2.8	68	9	3.6	0
16/04/2023 23:50	2.7	70	8	3.3	0
17/04/2023 00:00	3.7	74	11	5.3	0
17/04/2023 00:10	3.2	79	9	4.5	0
17/04/2023 00:20	3.5	78	9	4.8	0
17/04/2023 00:30	3.5	83	10	4.8	0
17/04/2023 00:40	3.6	83	10	5.3	0
17/04/2023 00:50	4.1	90	13	6.1	0
17/04/2023 01:00	3	89	11	4.1	0
17/04/2023 01:10	2.4	89	12	3.3	0
17/04/2023 01:20	1.6	91	11	2.4	0
17/04/2023 01:30	2	86	9	2.7	0
17/04/2023 01:40	1.7	106	14	2.4	0
17/04/2023 01:50	1.2	98	14	1.6	0
17/04/2023 02:00	1.5	112	13	2	0
17/04/2023 02:10	1.3	99	16	2	0
17/04/2023 02:20	1.8	111	9	2.4	0
17/04/2023 02:30	1.9	108	12	2.5	0
17/04/2023 02:40	1.9	111	9	2.4	0
17/04/2023 02:50	2.1	110	9	3.2	0
17/04/2023 03:00	2.1	108	11	2.8	0
17/04/2023 03:10	2.2	107	9	2.9	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/04/2023 03:20	3.2	102	12	4.4	0
17/04/2023 03:30	3.2	106	10	4.4	0
17/04/2023 03:40	3.4	102	10	4.7	0
17/04/2023 03:50	3	109	11	4.1	0
17/04/2023 04:00	3.1	108	11	4.5	0
17/04/2023 04:10	4.1	104	9	5.6	0
17/04/2023 04:20	4.1	98	10	5.7	0
17/04/2023 04:30	4.4	100	10	6	0
17/04/2023 04:40	4.3	98	11	5.7	0
17/04/2023 04:50	3.8	97	11	5.7	0
17/04/2023 05:00	3	107	12	4.3	0
17/04/2023 05:10	3.9	99	12	4.9	0
17/04/2023 05:20	4	98	12	5.6	0
17/04/2023 05:30	3.9	99	11	5.2	0
17/04/2023 05:40	3.8	99	11	5.1	0
17/04/2023 05:50	3.5	96	12	5.1	0
17/04/2023 06:00	3.4	97	14	4.5	0
17/04/2023 06:10	3.3	98	14	4.5	0
17/04/2023 06:20	3.5	96	13	4.8	0
17/04/2023 06:30	3.4	98	12	4.6	0
17/04/2023 06:40	3	99	11	4.3	0
17/04/2023 06:50	3.1	104	12	4.6	0
17/04/2023 07:00	3.7	102	11	5.4	0
17/04/2023 07:10	4.1	102	10	5.7	0
17/04/2023 07:20	3.8	102	12	5.6	0
17/04/2023 07:30	4.4	102	11	6.2	0
17/04/2023 07:40	4.5	103	11	6.9	0
17/04/2023 07:50	4.5	102	13	6.5	0
17/04/2023 08:00	4.2	99	13	5.9	0
17/04/2023 08:10	4.9	103	13	6.6	0
17/04/2023 08:20	4.6	103	13	6.6	0
17/04/2023 08:30	4.8	104	11	6.7	0
17/04/2023 08:40	4.3	106	14	6.4	0
17/04/2023 08:50	5	107	14	7.5	0
17/04/2023 09:00	5.5	105	14	8	0
17/04/2023 09:10	6.5	97	11	9.2	0
17/04/2023 09:20	6.5	88	14	9.9	0
17/04/2023 09:30	6.8	86	13	9.8	0
17/04/2023 09:40	6.1	89	11	9	0
17/04/2023 09:50	6.3	94	14	10	0
17/04/2023 10:00	6.4	82	11	9.6	0
17/04/2023 10:10	6.2	90	13	9.2	0
17/04/2023 10:20	6.8	85	10	9.1	0
17/04/2023 10:30	6.9	88	11	9.5	0
17/04/2023 10:40	5.8	89	14	8.1	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/04/2023 10:50	6.2	85	11	8.6	0
17/04/2023 11:00	6.4	83	12	8.8	0
17/04/2023 11:10	6.1	87	14	8	0
17/04/2023 11:20	6.2	84	14	8.7	0
17/04/2023 11:30	5.7	92	13	8	0
17/04/2023 11:40	6	86	13	8.2	0
17/04/2023 11:50	5.4	85	17	7.8	0
17/04/2023 12:00	5.6	79	14	7.5	0
17/04/2023 12:10	5.5	75	14	8.3	0
17/04/2023 12:20	5.9	75	13	7.8	0
17/04/2023 12:30	5.8	73	14	7.4	0
17/04/2023 12:40	6	69	12	7.8	0
17/04/2023 12:50	5.7	76	15	7.7	0
17/04/2023 13:00	5.5	71	11	7.5	0
17/04/2023 13:10	5	74	14	6.9	0
17/04/2023 13:20	5	74	15	7.1	0
17/04/2023 13:30	5.5	73	13	7.5	0
17/04/2023 13:40	4.7	66	15	7	0
17/04/2023 13:50	5.1	70	15	7.2	0
17/04/2023 14:00	4.9	67	13	7	0
17/04/2023 14:10	4.9	67	13	7.5	0
17/04/2023 14:20	4.6	63	16	6.8	0
17/04/2023 14:30	5.1	64	13	6.9	0
17/04/2023 14:40	4.3	69	14	6.3	0
17/04/2023 14:50	4	77	14	6.2	0
17/04/2023 15:00	4.2	57	16	6	0
17/04/2023 15:10	3.6	71	19	6	0
17/04/2023 15:20	3.3	67	18	5.5	0
17/04/2023 15:30	3.5	76	17	5.5	0
17/04/2023 15:40	3.1	68	21	4.9	0
17/04/2023 15:50	2.7	67	20	4	0
17/04/2023 16:00	3	53	14	4.3	0
17/04/2023 16:10	3	73	12	4.1	0
17/04/2023 16:20	2.7	89	14	4.1	0
17/04/2023 16:30	2.9	67	17	3.9	0
17/04/2023 16:40	2.6	59	13	4	0
17/04/2023 16:50	3.2	78	11	4.4	0
17/04/2023 17:00	3.1	74	12	4	0
17/04/2023 17:10	2.7	64	11	3.8	0
17/04/2023 17:20	2.7	60	11	3.7	0
17/04/2023 17:30	2.2	49	13	3.3	0
17/04/2023 17:40	1.9	66	13	2.9	0
17/04/2023 17:50	1.7	55	16	2.2	0
17/04/2023 18:00	1.9	52	12	2.8	0
17/04/2023 18:10	2.2	36	17	3	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/04/2023 18:20	2.2	42	20	3.5	0
17/04/2023 18:30	2.3	43	15	3.4	0
17/04/2023 18:40	2.4	39	13	3.1	0
17/04/2023 18:50	2.2	33	19	3	0
17/04/2023 19:00	1.2	186	25	2	0
17/04/2023 19:10	1.4	20	23	2.5	0
17/04/2023 19:20	2.1	52	15	3	0
17/04/2023 19:30	1.9	59	12	2.5	0
17/04/2023 19:40	1.4	56	16	2	0
17/04/2023 19:50	1.2	57	28	1.8	0
17/04/2023 20:00	0.7	135	33	1.2	0
17/04/2023 20:10	0.1	245	18	0.5	0
17/04/2023 20:20	0.5	85	18	1	0
17/04/2023 20:30	0.7	61	14	1.5	0
17/04/2023 20:40	0.3	183	11	0.9	0
17/04/2023 20:50	0.7	198	24	1.2	0
17/04/2023 21:00	0.3	154	41	1	0
17/04/2023 21:10	0.6	223	34	0.9	0
17/04/2023 21:20	0.1	254	10	0.6	0
17/04/2023 21:30	0.6	274	11	1.1	0
17/04/2023 21:40	0.8	236	9	1	0
17/04/2023 21:50	0.8	257	13	1.2	0
17/04/2023 22:00	0.8	238	12	1	0
17/04/2023 22:10	0.3	235	14	0.6	0
17/04/2023 22:20	0.4	154	11	0.9	0
17/04/2023 22:30	1.4	249	10	1.7	0
17/04/2023 22:40	1.4	257	8	1.7	0
17/04/2023 22:50	1.3	228	14	1.6	0
17/04/2023 23:00	0.4	231	8	1	0
17/04/2023 23:10	0	194	1	0.6	0
17/04/2023 23:20	0.3	293	2	0.9	0
17/04/2023 23:30	0.4	314	6	0.8	0
17/04/2023 23:40	0.1	305	3	0.7	0
17/04/2023 23:50	0.5	297	3	1.1	0
18/04/2023 00:00	0.2	294	3	0.8	0
18/04/2023 00:10	0.6	188	9	1.1	0
18/04/2023 00:20	1	25	7	1.2	0
18/04/2023 00:30	0.6	330	16	0.9	0
18/04/2023 00:40	0.1	329	9	0.8	0
18/04/2023 00:50	0.6	295	12	0.9	0
18/04/2023 01:00	0.7	298	12	1	0
18/04/2023 01:10	0.8	292	4	1.2	0
18/04/2023 01:20	1.1	273	10	1.3	0
18/04/2023 01:30	0.8	256	12	1.2	0
18/04/2023 01:40	0.6	287	12	1.1	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/04/2023 01:50	0.7	295	8	0.9	0
18/04/2023 02:00	0.4	297	3	0.9	0
18/04/2023 02:10	0.6	287	8	1	0
18/04/2023 02:20	0.7	262	16	1.1	0
18/04/2023 02:30	1.2	232	19	1.8	0
18/04/2023 02:40	0.9	243	20	1.3	0
18/04/2023 02:50	0.8	260	19	1.1	0
18/04/2023 03:00	0.5	252	20	0.9	0
18/04/2023 03:10	0.6	270	18	1.2	0
18/04/2023 03:20	0.9	252	22	1.4	0
18/04/2023 03:30	0.4	294	9	0.9	0
18/04/2023 03:40	0.2	201	16	0.9	0
18/04/2023 03:50	0.6	255	32	1.6	0
18/04/2023 04:00	0.3	300	26	0.8	0
18/04/2023 04:10	0.1	176	36	0.6	0
18/04/2023 04:20	0.4	250	28	0.9	0
18/04/2023 04:30	0.4	220	24	1.2	0
18/04/2023 04:40	0.4	259	8	0.8	0
18/04/2023 04:50	0.9	253	20	1.5	0
18/04/2023 05:00	0.6	188	68	1	0
18/04/2023 05:10	0.9	218	47	1.9	0
18/04/2023 05:20	1.1	207	57	2	0
18/04/2023 05:30	1.2	177	60	2.1	0
18/04/2023 05:40	1.2	136	33	1.8	0
18/04/2023 05:50	1.5	128	30	2.4	0
18/04/2023 06:00	1.6	116	26	2.5	0
18/04/2023 06:10	1.6	111	20	2.3	0
18/04/2023 06:20	1	92	29	1.7	0
18/04/2023 06:30	0.7	69	18	1.3	0
18/04/2023 06:40	0.2	104	6	0.6	0
18/04/2023 06:50					0
18/04/2023 07:00					0
18/04/2023 07:10					0
18/04/2023 07:20	0.2	90	6	0.7	0
18/04/2023 07:30	0.9	110	20	1.3	0
18/04/2023 07:40	1.1	144	34	1.9	0
18/04/2023 07:50	1.1	199	53	1.7	0
18/04/2023 08:00	1.3	150	50	2.2	0
18/04/2023 08:10	1.7	134	33	2.8	0
18/04/2023 08:20	2.2	142	18	3.3	0
18/04/2023 08:30	3	130	19	4.8	0
18/04/2023 08:40	3	120	13	4.7	0
18/04/2023 08:50	2.9	120	16	4.5	0
18/04/2023 09:00	3.1	113	15	4.4	0
18/04/2023 09:10	3.7	105	13	5.4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/04/2023 09:20	3.1	116	17	4.3	0
18/04/2023 09:30	3.7	122	15	5.3	0
18/04/2023 09:40	3.4	105	18	5.2	0
18/04/2023 09:50	3.3	113	17	4.6	0
18/04/2023 10:00	4.3	99	13	6	0
18/04/2023 10:10	4	103	18	5.9	0
18/04/2023 10:20	3.9	108	16	5.4	0
18/04/2023 10:30	4.5	94	12	5.9	0
18/04/2023 10:40	5.1	86	16	7.5	0
18/04/2023 10:50	5.3	86	14	7.6	0
18/04/2023 11:00	5.3	81	14	7.5	0
18/04/2023 11:10	5.2	91	11	7.5	0
18/04/2023 11:20	4.9	81	14	7.4	0
18/04/2023 11:30	5.4	78	15	7.5	0
18/04/2023 11:40	5.8	84	14	7.3	0
18/04/2023 11:50	6.5	94	12	8.4	0
18/04/2023 12:00	6.1	91	13	8.9	0
18/04/2023 12:10	6.4	86	12	8.4	0
18/04/2023 12:20	6.8	89	12	8.7	0
18/04/2023 12:30	6.3	89	13	9	0
18/04/2023 12:40	5.8	82	12	8.4	0
18/04/2023 12:50	6.5	72	11	9	0
18/04/2023 13:00	6.4	75	12	9.1	0
18/04/2023 13:10	6.1	77	13	8.3	0
18/04/2023 13:20	6.9	73	12	9.1	0
18/04/2023 13:30	6.1	69	12	8.5	0
18/04/2023 13:40	5.8	75	12	8.9	0
18/04/2023 13:50	4.9	67	14	7.2	0
18/04/2023 14:00	5.5	58	12	7.8	0
18/04/2023 14:10	5.7	65	12	8.2	0
18/04/2023 14:20	5.2	65	14	6.9	0
18/04/2023 14:30	4.9	61	13	7	0
18/04/2023 14:40	5.4	68	13	7.1	0
18/04/2023 14:50	5	58	14	6.9	0
18/04/2023 15:00	5	57	14	7.1	0
18/04/2023 15:10	4.6	61	13	6.9	0
18/04/2023 15:20	5	70	13	7	0
18/04/2023 15:30	4.6	67	15	6.8	0
18/04/2023 15:40	4.4	77	15	6.2	0
18/04/2023 15:50	4.3	73	14	5.7	0
18/04/2023 16:00	4.6	75	12	6.4	0
18/04/2023 16:10	4.5	75	14	6	0
18/04/2023 16:20	4	74	12	5.6	0
18/04/2023 16:30	3.8	75	13	5.3	0
18/04/2023 16:40	3.6	71	15	5.4	0



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/04/2023 16:50	3.4	63	15	4.4	0
18/04/2023 17:00	4	75	12	5.6	0
18/04/2023 17:10	4	80	11	5.6	0
18/04/2023 17:20	3.8	76	14	5.6	0
18/04/2023 17:30	3.9	76	12	6.2	0
18/04/2023 17:40	4.4	77	11	5.4	0
18/04/2023 17:50	4.3	78	9	5.3	0
18/04/2023 18:00	2.8	63	12	4.1	0
18/04/2023 18:10	2.7	59	13	3.7	0
18/04/2023 18:20	2.8	49	12	3.9	0
18/04/2023 18:30	2.9	47	14	4	0
18/04/2023 18:40	3.1	47	12	4.2	0
18/04/2023 18:50	3.1	50	12	3.9	0
18/04/2023 19:00	3.1	51	11	4.6	0
18/04/2023 19:10	2.7	50	11	3.4	0
18/04/2023 19:20	2.9	51	11	3.7	0
18/04/2023 19:30	2.3	53	11	3.4	0
18/04/2023 19:40	2.4	50	10	3	0
18/04/2023 19:50	1.9	59	10	2.6	0
18/04/2023 20:00	1.8	60	8	2.3	0
18/04/2023 20:10	1.6	61	7	2	0
18/04/2023 20:20	1.6	60	7	2	0
18/04/2023 20:30	1.9	58	8	2.7	0
18/04/2023 20:40	1.7	54	7	2.2	0
18/04/2023 20:50	1.8	53	8	2.3	0
18/04/2023 21:00	1.5	60	8	1.9	0
18/04/2023 21:10	1.2	68	6	1.8	0
18/04/2023 21:20	1.1	69	5	1.3	0
18/04/2023 21:30	0.9	72	7	1.2	0
18/04/2023 21:40	0.3	80	9	0.9	0
18/04/2023 21:50	0	307	0	0.4	0
18/04/2023 22:00					0
18/04/2023 22:10	0.1	238	4	0.6	0
18/04/2023 22:20	0.6	269	10	0.8	0
18/04/2023 22:30	0.5	292	6	0.8	0
18/04/2023 22:40	0.3	253	6	0.7	0
18/04/2023 22:50	0.4	246	10	0.8	0
18/04/2023 23:00	0.8	244	17	1.1	0
18/04/2023 23:10	0.8	242	15	1.1	0
18/04/2023 23:20	0.9	239	17	1.2	0
18/04/2023 23:30	0.8	244	17	1.2	0
18/04/2023 23:40	0.4	261	14	0.9	0
18/04/2023 23:50					0
19/04/2023 00:00					0
19/04/2023 00:10					0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/04/2023 00:20					0
19/04/2023 00:30	0.1	298	1	1.2	0
19/04/2023 00:40	0.2	267	15	1.2	0
19/04/2023 00:50	0.4	147	15	2	0
19/04/2023 01:00	0.7	126	28	1.6	0
19/04/2023 01:10	0.9	83	54	1.6	0
19/04/2023 01:20	0.9	150	39	1.6	0
19/04/2023 01:30	0.3	57	26	1	0
19/04/2023 01:40	0.4	91	40	0.9	0
19/04/2023 01:50	1	174	38	1.9	0
19/04/2023 02:00	0.3	218	14	0.8	0
19/04/2023 02:10					0
19/04/2023 02:20					0
19/04/2023 02:30	0.3	311	9	0.8	0
19/04/2023 02:40					0
19/04/2023 02:50					0
19/04/2023 03:00					0
19/04/2023 03:10	0.3	328	2	0.9	0
19/04/2023 03:20	0.5	309	12	0.9	0
19/04/2023 03:30	0.8	293	5	1.1	0
19/04/2023 03:40	0.7	274	10	0.9	0
19/04/2023 03:50	0.7	261	12	1	0
19/04/2023 04:00	1	96	44	1.6	0
19/04/2023 04:10	1.9	92	15	3.3	0
19/04/2023 04:20	1.4	97	18	2.4	0
19/04/2023 04:30	1.7	102	15	3.3	0
19/04/2023 04:40	1.9	100	18	3.1	0
19/04/2023 04:50	1.3	114	17	2.1	0
19/04/2023 05:00	0.9	116	18	1.5	0
19/04/2023 05:10	1.4	114	12	1.8	0
19/04/2023 05:20	1.5	112	14	2.1	0
19/04/2023 05:30	1.6	109	12	2.1	0
19/04/2023 05:40	1.7	105	12	2.2	0
19/04/2023 05:50	2.3	105	15	3.2	0
19/04/2023 06:00	3.3	97	13	4.9	0
19/04/2023 06:10	3.1	92	13	5.2	0
19/04/2023 06:20	3.2	91	13	4.6	0
19/04/2023 06:30	3.8	98	13	6.3	0
19/04/2023 06:40	3.9	93	13	6	0
19/04/2023 06:50	3.7	97	11	5.2	0
19/04/2023 07:00	3.9	102	13	5.6	0
19/04/2023 07:10	4.7	102	14	7.8	0
19/04/2023 07:20	4.7	99	14	6.4	0
19/04/2023 07:30	4.7	101	12	7.4	0
19/04/2023 07:40	4.8	100	12	6.8	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/04/2023 07:50	5.5	101	11	7.9	0
19/04/2023 08:00	5.2	104	12	8	0
19/04/2023 08:10	4.8	104	13	6.6	0
19/04/2023 08:20	5	101	12	7.5	0
19/04/2023 08:30	6.1	104	12	8.8	0
19/04/2023 08:40	6.5	107	13	8.7	0
19/04/2023 08:50	6.6	104	12	9.3	0
19/04/2023 09:00	6.5	103	14	9.5	0
19/04/2023 09:10	6.5	99	12	10.4	0
19/04/2023 09:20	6.9	90	12	11.1	0
19/04/2023 09:30	7.3	90	13	10.1	0
19/04/2023 09:40	6.7	89	13	9.4	0
19/04/2023 09:50	6.7	90	13	9.6	0
19/04/2023 10:00	6.7	88	14	9.9	0
19/04/2023 10:10	6.7	85	12	9.7	0
19/04/2023 10:20	6.7	85	12	8.9	0
19/04/2023 10:30	6.7	86	11	9.5	0
19/04/2023 10:40	6.5	87	12	9.5	0
19/04/2023 10:50	7.4	85	11	10.1	0
19/04/2023 11:00	7	90	12	9.5	0
19/04/2023 11:10	6.9	89	12	9.9	0
19/04/2023 11:20	7	90	13	10.2	0
19/04/2023 11:30	6.6	89	13	9.1	0
19/04/2023 11:40	7.5	83	12	9.9	0
19/04/2023 11:50	6.7	87	13	9.6	0
19/04/2023 12:00	7.2	82	11	9.5	0
19/04/2023 12:10	7.6	81	10	10.5	0
19/04/2023 12:20	7.1	87	12	10.4	0
19/04/2023 12:30	7.2	69	10	9.4	0
19/04/2023 12:40	7.5	74	10	10.3	0
19/04/2023 12:50	6.8	76	12	9.4	0
19/04/2023 13:00	7	80	11	9.6	0
19/04/2023 13:10	7.2	73	12	10.5	0
19/04/2023 13:20	7.5	79	11	9.6	0
19/04/2023 13:30	7	71	12	9.8	0
19/04/2023 13:40	6.7	75	13	9	0
19/04/2023 13:50	5.9	72	12	8.3	0
19/04/2023 14:00	7.1	75	11	9.1	0
19/04/2023 14:10	6.2	60	14	8.5	0
19/04/2023 14:20	6.4	63	12	8.8	0
19/04/2023 14:30	6.4	64	13	8.4	0
19/04/2023 14:40	6.4	58	12	8	0
19/04/2023 14:50	5.8	68	13	8.2	0
19/04/2023 15:00	5.9	71	11	8.4	0
19/04/2023 15:10	5.1	56	15	7	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/04/2023 15:20	5.4	64	15	7.9	0
19/04/2023 15:30	5.5	61	15	7.3	0
19/04/2023 15:40	5.4	58	13	7.5	0
19/04/2023 15:50	5.8	53	12	7.5	0
19/04/2023 16:00	5.4	53	12	7.3	0
19/04/2023 16:10	5.1	57	14	6.9	0
19/04/2023 16:20	5.3	58	12	7.3	0
19/04/2023 16:30	4.8	60	14	6.4	0
19/04/2023 16:40	4.7	62	13	6.9	0
19/04/2023 16:50	4.5	52	13	6.1	0
19/04/2023 17:00	3.8	64	11	5.1	0
19/04/2023 17:10	4.2	67	12	6.3	0
19/04/2023 17:20	3.9	64	12	5.2	0
19/04/2023 17:30	3.7	66	13	4.9	0
19/04/2023 17:40	4.1	77	10	5.8	0
19/04/2023 17:50	3.7	67	12	5.2	0
19/04/2023 18:00	2.9	67	10	4.4	0
19/04/2023 18:10	3.4	70	11	4.8	0
19/04/2023 18:20	3.3	66	10	4.2	0
19/04/2023 18:30	2.7	72	10	3.9	0
19/04/2023 18:40	2.5	67	10	3.2	0
19/04/2023 18:50	2	65	9	2.8	0
19/04/2023 19:00	1.9	62	10	2.4	0
19/04/2023 19:10	1.9	60	11	2.5	0
19/04/2023 19:20	1.6	60	10	2	0
19/04/2023 19:30	1.4	65	10	2.1	0
19/04/2023 19:40	1.7	59	8	2.2	0
19/04/2023 19:50	1.5	61	9	2	0
19/04/2023 20:00	1.4	62	9	1.7	0
19/04/2023 20:10	1.3	60	5	1.8	0
19/04/2023 20:20	0.9	69	8	1.3	0
19/04/2023 20:30	0.3	78	9	0.8	0
19/04/2023 20:40	0.2	80	3	0.6	0
19/04/2023 20:50					0
19/04/2023 21:00	0.1	12	21	0.6	0
19/04/2023 21:10	0.7	63	12	1.1	0
19/04/2023 21:20	0.1	62	2	0.7	0
19/04/2023 21:30	0.7	37	5	1	0
19/04/2023 21:40					0
19/04/2023 21:50	0.4	297	2	1.1	0
19/04/2023 22:00	0.3	291	2	0.9	0
19/04/2023 22:10	0.7	298	4	1	0
19/04/2023 22:20	0.2	298	5	0.8	0
19/04/2023 22:30	1	55	5	1.5	0
19/04/2023 22:40	1.4	70	7	1.9	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/04/2023 22:50	1.9	76	8	2.3	0
19/04/2023 23:00	2.2	76	6	2.7	0
19/04/2023 23:10	1.9	82	10	2.5	0
19/04/2023 23:20	0.2	112	10	1.2	0
19/04/2023 23:30	0.5	112	13	0.9	0
19/04/2023 23:40	0.4	87	10	0.8	0
19/04/2023 23:50	0.4	76	17	0.9	0
20/04/2023 00:00	0.1	100	6	0.4	0
20/04/2023 00:10	0.4	87	11	1.2	0
20/04/2023 00:20	1.8	100	13	3.1	0
20/04/2023 00:30	2.7	87	12	3.9	0
20/04/2023 00:40	2.2	89	16	3.2	0
20/04/2023 00:50	1.7	102	17	2.8	0
20/04/2023 01:00	2.5	97	14	4	0
20/04/2023 01:10	3.3	95	14	4.8	0
20/04/2023 01:20	3.5	97	14	4.6	0
20/04/2023 01:30	3	109	14	4.2	0
20/04/2023 01:40	3.3	110	14	5.8	0
20/04/2023 01:50	5.1	103	12	6.8	0
20/04/2023 02:00	5.2	103	13	7.3	0
20/04/2023 02:10	5.5	101	12	7.7	0
20/04/2023 02:20	5.2	102	12	7.8	0
20/04/2023 02:30	5.2	101	13	7.4	0
20/04/2023 02:40	5.4	104	11	7.5	0
20/04/2023 02:50	5.2	101	10	7.5	0
20/04/2023 03:00	5.1	98	10	7.6	0
20/04/2023 03:10	5.1	100	11	7.8	0
20/04/2023 03:20	5	100	12	7	0
20/04/2023 03:30	4.9	98	13	6.7	0
20/04/2023 03:40	4.2	99	11	5.7	0
20/04/2023 03:50	4.1	101	12	6.5	0
20/04/2023 04:00	3.8	101	13	5.7	0
20/04/2023 04:10	4	100	12	5.6	0
20/04/2023 04:20	4.5	101	12	6.4	0
20/04/2023 04:30	4.6	96	12	6.4	0
20/04/2023 04:40	4.5	98	13	6.4	0
20/04/2023 04:50	4.6	101	12	6.8	0
20/04/2023 05:00	4.3	98	12	6.1	0
20/04/2023 05:10	4.4	100	13	6.1	0
20/04/2023 05:20	4.6	99	12	6.9	0
20/04/2023 05:30	4.6	97	13	6.7	0
20/04/2023 05:40	5.1	99	12	7.4	0
20/04/2023 05:50	5.1	100	11	7.1	0
20/04/2023 06:00	5.2	101	12	6.9	0
20/04/2023 06:10	5	100	13	6.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/04/2023 06:20	5.5	99	12	7.9	0
20/04/2023 06:30	6	99	12	9.1	0
20/04/2023 06:40	5.5	101	11	7.2	0
20/04/2023 06:50	5.8	100	12	7.9	0
20/04/2023 07:00	6.1	98	13	8.6	0
20/04/2023 07:10	6.4	100	12	9.1	0
20/04/2023 07:20	6.5	104	12	8.9	0
20/04/2023 07:30	6.8	101	13	9.6	0
20/04/2023 07:40	6.4	101	12	9.2	0
20/04/2023 07:50	6.9	101	11	10.1	0
20/04/2023 08:00	6.9	101	12	9.6	0
20/04/2023 08:10	6.9	103	11	9.6	0
20/04/2023 08:20	6.7	102	12	9.6	0
20/04/2023 08:30	7.9	99	13	10.8	0
20/04/2023 08:40	7.6	103	13	10.5	0
20/04/2023 08:50	7.4	97	15	11.1	0
20/04/2023 09:00	6.9	97	12	9.9	0
20/04/2023 09:10	7.1	97	13	10.6	0
20/04/2023 09:20	7.7	97	14	10.8	0
20/04/2023 09:30	7.1	93	13	10.5	0
20/04/2023 09:40	7.1	92	13	10.3	0
20/04/2023 09:50	7.6	93	15	10.5	0
20/04/2023 10:00	7	85	13	9.8	0
20/04/2023 10:10	7.1	96	13	9.5	0
20/04/2023 10:20	7.2	92	12	10.2	0
20/04/2023 10:30	6.8	87	13	9.5	0
20/04/2023 10:40	7	90	14	9.4	0
20/04/2023 10:50	7.4	86	12	10.7	0
20/04/2023 11:00	6.9	89	14	9.4	0
20/04/2023 11:10	6.7	88	13	9.1	0
20/04/2023 11:20	7.3	87	11	10.5	0
20/04/2023 11:30	6.5	87	11	9	0
20/04/2023 11:40	6.1	85	11	8.6	0
20/04/2023 11:50	5.6	83	13	7.5	0
20/04/2023 12:00	5.6	87	11	8.1	0
20/04/2023 12:10	5.6	87	12	7.8	0
20/04/2023 12:20	5.5	87	12	7.9	0
20/04/2023 12:30	6.6	86	12	8.9	0
20/04/2023 12:40	6.6	89	13	9.6	0
20/04/2023 12:50	6.4	89	11	8.3	0
20/04/2023 13:00	6.4	88	13	9.5	0
20/04/2023 13:10	6.8	86	13	9.1	0
20/04/2023 13:20	7.1	86	10	9.5	0
20/04/2023 13:30	6.3	93	12	8.8	0
20/04/2023 13:40	6	92	14	8.4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/04/2023 13:50	6.5	86	15	9.2	0
20/04/2023 14:00	6	81	11	8.7	0
20/04/2023 14:10	6.3	83	14	9.4	0
20/04/2023 14:20	5.7	83	14	7.9	0
20/04/2023 14:30	5.2	83	11	8.3	0
20/04/2023 14:40	5.6	92	13	8	0
20/04/2023 14:50	5.7	87	15	8.6	0
20/04/2023 15:00	5	91	16	6.5	0
20/04/2023 15:10	5.2	87	11	8.3	0
20/04/2023 15:20	6.1	83	11	9.1	0
20/04/2023 15:30	5.6	80	12	7.9	0
20/04/2023 15:40	5.9	74	11	7.9	0
20/04/2023 15:50	4.9	81	12	6.8	0
20/04/2023 16:00	5.4	75	11	8	0
20/04/2023 16:10	5.6	82	11	7.5	0
20/04/2023 16:20	5.1	81	13	7.1	0
20/04/2023 16:30	4.9	83	11	7.2	0
20/04/2023 16:40	5.1	70	14	7.3	0
20/04/2023 16:50	5	77	11	6.4	0
20/04/2023 17:00	4.7	77	11	6.6	0
20/04/2023 17:10	3.8	75	12	5.2	0
20/04/2023 17:20	4	72	14	5.6	0
20/04/2023 17:30	3.4	72	12	4.5	0
20/04/2023 17:40	3.2	71	10	4.6	0
20/04/2023 17:50	2.7	69	10	3.4	0
20/04/2023 18:00	2.5	66	11	3.4	0
20/04/2023 18:10	2.5	64	10	3.2	0
20/04/2023 18:20	1.9	68	10	2.4	0
20/04/2023 18:30	2.2	65	11	2.8	0
20/04/2023 18:40	2.2	66	12	2.9	0
20/04/2023 18:50	1.9	74	12	2.5	0
20/04/2023 19:00	1.5	79	11	2.2	0
20/04/2023 19:10	1.9	74	9	2.4	0
20/04/2023 19:20	2	70	7	2.6	0
20/04/2023 19:30	2	71	10	2.5	0
20/04/2023 19:40	2	70	7	2.7	0
20/04/2023 19:50	1.7	70	8	2.2	0
20/04/2023 20:00	1.8	71	9	2.3	0
20/04/2023 20:10	1.9	74	9	2.8	0
20/04/2023 20:20	1.9	69	7	2.4	0
20/04/2023 20:30	2.6	67	8	3.6	0
20/04/2023 20:40	2.1	70	9	2.9	0
20/04/2023 20:50	1.9	69	8	2.7	0
20/04/2023 21:00	1.7	74	9	2.3	0
20/04/2023 21:10	1.6	75	7	2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/04/2023 21:20	1.3	78	9	1.6	0
20/04/2023 21:30	0.8	151	30	1.2	0
20/04/2023 21:40	0.8	99	19	1.3	0
20/04/2023 21:50	0.6	20	9	0.9	0
20/04/2023 22:00	0.9	86	12	1.7	0
20/04/2023 22:10	0.6	128	14	1.2	0
20/04/2023 22:20	1.5	110	12	2	0
20/04/2023 22:30	0.9	86	9	1.4	0
20/04/2023 22:40	0.6	49	7	1.1	0
20/04/2023 22:50	1	38	7	1.3	0
20/04/2023 23:00	0.7	42	6	1.2	0
20/04/2023 23:10	0.4	65	5	1	0
20/04/2023 23:20	0.9	56	13	1.2	0
20/04/2023 23:30	1.1	73	18	1.6	0
20/04/2023 23:40	1	73	14	1.5	0
20/04/2023 23:50	1.2	77	20	1.7	0
21/04/2023 00:00	0.5	98	15	1.5	0
21/04/2023 00:10	1	88	12	1.3	0
21/04/2023 00:20	0.9	85	28	1.4	0
21/04/2023 00:30	1	96	17	1.5	0
21/04/2023 00:40	1.6	111	16	2.5	0
21/04/2023 00:50	2.3	103	13	3.7	0
21/04/2023 01:00	1.9	102	10	2.4	0
21/04/2023 01:10	1.5	99	11	2.2	0
21/04/2023 01:20	2.4	94	14	3.2	0
21/04/2023 01:30	2.1	80	13	3.2	0
21/04/2023 01:40	1.9	89	12	2.6	0
21/04/2023 01:50	1.9	91	11	2.9	0
21/04/2023 02:00	1.8	99	13	2.4	0
21/04/2023 02:10	1.6	102	15	2.4	0
21/04/2023 02:20	1.9	95	13	3	0
21/04/2023 02:30	1.6	86	11	2.3	0
21/04/2023 02:40	1.8	85	13	2.7	0
21/04/2023 02:50	2	85	12	2.8	0
21/04/2023 03:00	1.6	83	10	2.4	0
21/04/2023 03:10	1.8	82	15	2.4	0
21/04/2023 03:20	1.8	84	14	2.4	0
21/04/2023 03:30	1.8	83	13	2.4	0
21/04/2023 03:40	1.7	86	12	2.4	0
21/04/2023 03:50	1.8	87	13	2.8	0
21/04/2023 04:00	2	96	11	3.3	0
21/04/2023 04:10	1.9	92	10	2.6	0
21/04/2023 04:20	1.8	90	10	2.4	0
21/04/2023 04:30	1.8	93	11	2.6	0
21/04/2023 04:40	1.9	86	12	2.5	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/04/2023 04:50	1.8	85	9	2.2	0
21/04/2023 05:00	2.2	80	10	2.8	0
21/04/2023 05:10	1.9	86	11	2.4	0
21/04/2023 05:20	2.2	93	11	3	0
21/04/2023 05:30	2	95	11	2.7	0
21/04/2023 05:40	2.3	92	10	3.1	0
21/04/2023 05:50	2.6	86	11	3.7	0
21/04/2023 06:00	3	94	13	4.2	0
21/04/2023 06:10	2.9	96	13	4.4	0
21/04/2023 06:20	2.6	95	12	3.9	0
21/04/2023 06:30	2.8	102	11	3.8	0
21/04/2023 06:40	2.5	91	13	3.6	0
21/04/2023 06:50	3.6	96	11	5.7	0
21/04/2023 07:00	3.7	101	12	5.4	0
21/04/2023 07:10	3.8	103	11	6.4	0
21/04/2023 07:20	4.4	98	14	6.9	0
21/04/2023 07:30	4.6	102	12	6.4	0
21/04/2023 07:40	4.3	96	12	6.1	0
21/04/2023 07:50	4.4	92	13	6.2	0
21/04/2023 08:00	4.3	97	12	6.1	0
21/04/2023 08:10	4.6	88	11	6.4	0
21/04/2023 08:20	5	86	13	7.1	0
21/04/2023 08:30	5.6	84	11	7.5	0
21/04/2023 08:40	6.1	87	11	8.3	0
21/04/2023 08:50	5.4	89	12	7.9	0
21/04/2023 09:00	6.2	87	10	9.1	0
21/04/2023 09:10	6.6	89	12	8.8	0
21/04/2023 09:20	6.4	90	12	8.7	0
21/04/2023 09:30	6.8	87	11	10.3	0
21/04/2023 09:40	7.4	84	11	9.8	0
21/04/2023 09:50	6.5	86	12	9.3	0
21/04/2023 10:00	7.5	86	12	11.5	0
21/04/2023 10:10	7.6	84	11	10.2	0
21/04/2023 10:20	7.9	85	12	10.9	0
21/04/2023 10:30	8.1	92	11	11.4	0
21/04/2023 10:40	8.3	94	12	11.6	0
21/04/2023 10:50	7.7	87	12	11.1	0
21/04/2023 11:00	7.5	87	12	10.3	0
21/04/2023 11:10	8	90	12	10.4	0
21/04/2023 11:20	7.6	91	13	10.3	0
21/04/2023 11:30	7.6	82	13	10.7	0
21/04/2023 11:40	7.6	87	13	10.7	0
21/04/2023 11:50	7.7	82	10	10.2	0
21/04/2023 12:00	8.1	87	11	10.7	0
21/04/2023 12:10	6.8	86	13	9.5	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/04/2023 12:20	6.5	82	14	9	0
21/04/2023 12:30	6.1	81	15	9.1	0
21/04/2023 12:40	6.5	76	14	9.1	0
21/04/2023 12:50	5.8	82	13	7.7	0
21/04/2023 13:00	6.9	77	11	9.2	0
21/04/2023 13:10	6.7	81	11	8.9	0
21/04/2023 13:20	6.9	84	11	8.9	0
21/04/2023 13:30	6.5	82	11	8.8	0
21/04/2023 13:40	6.3	81	14	8.6	0
21/04/2023 13:50	6.7	81	12	8.9	0
21/04/2023 14:00	6.8	84	10	9.4	0
21/04/2023 14:10	7.2	85	12	10.5	0
21/04/2023 14:20	7.3	82	10	9.5	0
21/04/2023 14:30	5.9	77	14	8.4	0
21/04/2023 14:40	6.5	73	12	8.4	0
21/04/2023 14:50	5.8	73	12	7.9	0
21/04/2023 15:00	6.1	64	11	7.9	0
21/04/2023 15:10	6	79	11	8	0
21/04/2023 15:20	5.9	76	12	7.9	0
21/04/2023 15:30	5.1	65	13	7.2	0
21/04/2023 15:40	5.7	66	10	8	0
21/04/2023 15:50	5.4	61	13	7.2	0
21/04/2023 16:00	5.3	68	10	7.3	0
21/04/2023 16:10	5.8	65	12	8.1	0
21/04/2023 16:20	5.6	67	11	7.4	0
21/04/2023 16:30	5	66	11	6.8	0
21/04/2023 16:40	5	68	12	6.8	0
21/04/2023 16:50	4.5	66	11	6.5	0
21/04/2023 17:00	4.3	56	12	5.9	0
21/04/2023 17:10	3.9	57	12	5.3	0
21/04/2023 17:20	3.9	52	12	5.3	0
21/04/2023 17:30	3.4	55	12	4.6	0
21/04/2023 17:40	3.4	61	13	4.8	0
21/04/2023 17:50	3.2	53	14	4.5	0
21/04/2023 18:00	3.1	60	12	4	0
21/04/2023 18:10	3.4	56	12	4.4	0
21/04/2023 18:20	3.5	55	11	4.8	0
21/04/2023 18:30	3.5	58	11	4.5	0
21/04/2023 18:40	3.3	62	12	4.4	0
21/04/2023 18:50	3.2	64	10	4.3	0
21/04/2023 19:00	3	62	9	4	0
21/04/2023 19:10	2.9	61	10	3.7	0
21/04/2023 19:20	2.9	62	10	3.7	0
21/04/2023 19:30	2.5	68	11	3.4	0
21/04/2023 19:40	2.4	79	10	3.3	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/04/2023 19:50	2.4	80	11	3.4	0
21/04/2023 20:00	2.3	85	11	3.2	0
21/04/2023 20:10	2.4	81	9	3.2	0
21/04/2023 20:20	2.3	81	8	2.9	0
21/04/2023 20:30	2.1	82	7	2.7	0
21/04/2023 20:40	2	83	8	2.5	0
21/04/2023 20:50	1.9	94	9	2.5	0
21/04/2023 21:00	1.8	97	9	2.1	0
21/04/2023 21:10	1.7	100	7	2	0
21/04/2023 21:20	1.8	89	8	2.3	0
21/04/2023 21:30	1.9	60	8	2.2	0
21/04/2023 21:40	1.6	50	8	2.1	0
21/04/2023 21:50	1.6	47	8	2	0
21/04/2023 22:00	1.5	54	7	1.7	0
21/04/2023 22:10	1.2	55	8	1.6	0
21/04/2023 22:20	0.4	59	6	1.2	0
21/04/2023 22:30	0.1	98	7	0.9	0
21/04/2023 22:40	0.9	99	12	1.5	0
21/04/2023 22:50	0.2	97	5	1	0
21/04/2023 23:00	0.8	103	7	1.5	0
21/04/2023 23:10	1.2	106	7	1.8	0
21/04/2023 23:20	1.1	117	13	1.6	0
21/04/2023 23:30	0.8	95	9	1.3	0
21/04/2023 23:40	0.1	168	7	0.7	0
21/04/2023 23:50					0
22/04/2023 00:00	0.1	122	7	0.6	0
22/04/2023 00:10	0.8	112	9	1.2	0
22/04/2023 00:20	0.1	117	5	0.6	0
22/04/2023 00:30					0
22/04/2023 00:40					0
22/04/2023 00:50					0
22/04/2023 01:00					0
22/04/2023 01:10					0
22/04/2023 01:20					0
22/04/2023 01:30					0
22/04/2023 01:40					0
22/04/2023 01:50					0
22/04/2023 02:00					0
22/04/2023 02:10	0.3	95	7	1.1	0
22/04/2023 02:20	0.8	99	7	1.1	0
22/04/2023 02:30	0.7	92	7	1.1	0
22/04/2023 02:40	0.4	81	8	0.7	0
22/04/2023 02:50	0.7	84	6	1.2	0
22/04/2023 03:00	0.4	93	7	0.8	0
22/04/2023 03:10	1.2	84	7	1.6	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/04/2023 03:20	1.4	86	7	1.8	0
22/04/2023 03:30	1.5	95	8	2	0
22/04/2023 03:40	1.5	106	8	2	0
22/04/2023 03:50	1.5	91	7	2	0
22/04/2023 04:00	1.7	94	8	2	0
22/04/2023 04:10	1.8	97	8	2.2	0
22/04/2023 04:20	1.9	101	7	2.4	0
22/04/2023 04:30	1.9	109	10	2.6	0
22/04/2023 04:40	2.4	135	19	4.1	0
22/04/2023 04:50	2.2	124	17	3.5	0
22/04/2023 05:00	1.9	111	16	2.8	0
22/04/2023 05:10	1.7	112	12	2.2	0
22/04/2023 05:20	1.8	106	13	2.5	0
22/04/2023 05:30	2.3	99	10	3.1	0
22/04/2023 05:40	2.3	108	10	2.9	0
22/04/2023 05:50	2.1	104	11	2.8	0
22/04/2023 06:00	1.8	100	12	2.6	0
22/04/2023 06:10	2.7	97	13	4.4	0
22/04/2023 06:20	3.3	83	10	4.4	0
22/04/2023 06:30	3.3	83	9	4.8	0
22/04/2023 06:40	3.4	82	9	4.3	0
22/04/2023 06:50	3.3	83	11	4.3	0
22/04/2023 07:00	3.1	87	10	4.2	0
22/04/2023 07:10	3.2	86	12	4.5	0
22/04/2023 07:20	3.4	87	12	4.5	0
22/04/2023 07:30	3.1	92	11	4.1	0
22/04/2023 07:40	3.7	98	12	5.2	0
22/04/2023 07:50	3.5	94	13	5.2	0
22/04/2023 08:00	4	101	12	5.5	0
22/04/2023 08:10	4.4	101	11	5.6	0
22/04/2023 08:20	4.8	104	10	6.5	0
22/04/2023 08:30	4.6	100	10	6.4	0
22/04/2023 08:40	5	102	11	6.6	0
22/04/2023 08:50	5	105	10	6.4	0
22/04/2023 09:00	4.7	100	12	6.4	0
22/04/2023 09:10	5.4	91	12	8.3	0
22/04/2023 09:20	6.1	100	13	8.3	0
22/04/2023 09:30	6.4	95	13	9.1	0
22/04/2023 09:40	6.1	88	12	8.8	0
22/04/2023 09:50	6.6	92	11	9	0
22/04/2023 10:00	6.4	85	12	8.1	0
22/04/2023 10:10	6.2	87	12	8.3	0
22/04/2023 10:20	6.6	86	12	8.5	0
22/04/2023 10:30	6.5	96	12	9.1	0
22/04/2023 10:40	7	80	12	9.5	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/04/2023 10:50	6.5	81	12	9.7	0
22/04/2023 11:00	6.1	82	12	8.9	0
22/04/2023 11:10	6.7	82	13	9.5	0
22/04/2023 11:20	7.4	76	11	9.7	0
22/04/2023 11:30	7.4	76	10	10.6	0
22/04/2023 11:40	6.6	75	12	9.6	0
22/04/2023 11:50	6.9	79	11	9.1	0
22/04/2023 12:00	7.1	79	11	9.2	0
22/04/2023 12:10	6.6	78	11	8.9	0
22/04/2023 12:20	6.6	79	11	8.9	0
22/04/2023 12:30	6.5	85	13	9.2	0
22/04/2023 12:40	6.6	82	11	8.9	0
22/04/2023 12:50	6.1	79	10	8.5	0
22/04/2023 13:00	7.2	83	14	9.8	0
22/04/2023 13:10	7	82	12	9.7	0
22/04/2023 13:20	7.1	80	13	9.2	0
22/04/2023 13:30	7.4	81	10	9.9	0
22/04/2023 13:40	7.3	81	12	9.6	0
22/04/2023 13:50	6.7	81	12	8.9	0
22/04/2023 14:00	7.1	76	11	10.7	0
22/04/2023 14:10	7.9	82	10	10.3	0
22/04/2023 14:20	7	70	12	10.1	0
22/04/2023 14:30	6.9	67	13	9.4	0
22/04/2023 14:40	7.8	70	12	10.3	0
22/04/2023 14:50	7.3	66	12	10.5	0
22/04/2023 15:00	7.4	69	11	9.5	0
22/04/2023 15:10	6.4	61	11	8.7	0
22/04/2023 15:20	7	58	11	9.4	0
22/04/2023 15:30	7.5	57	12	9.9	0
22/04/2023 15:40	6.5	64	12	9.1	0
22/04/2023 15:50	6.5	59	11	8.5	0
22/04/2023 16:00	6.5	60	12	8.6	0
22/04/2023 16:10	6.4	66	11	9.9	0
22/04/2023 16:20	6.3	64	11	8.6	0
22/04/2023 16:30	6.5	66	13	9.1	0
22/04/2023 16:40	6.5	69	12	8.8	0
22/04/2023 16:50	5.8	69	12	8.6	0
22/04/2023 17:00	5.7	67	12	7.5	0
22/04/2023 17:10	5.9	65	13	7.8	0
22/04/2023 17:20	5.7	71	10	7.7	0
22/04/2023 17:30	5.3	67	12	7.3	0
22/04/2023 17:40	5.1	68	10	7.2	0
22/04/2023 17:50	5.4	66	12	7.1	0
22/04/2023 18:00	5.2	67	11	7.5	0
22/04/2023 18:10	5.3	67	12	6.7	0



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/04/2023 18:20	4.5	69	9	6.4	0
22/04/2023 18:30	3.5	67	11	4.8	0
22/04/2023 18:40	3.4	78	12	4.7	0
22/04/2023 18:50	3.1	84	11	4.2	0
22/04/2023 19:00	2.7	97	11	3.5	0
22/04/2023 19:10	2.5	93	10	3.3	0
22/04/2023 19:20	2.2	90	11	2.9	0
22/04/2023 19:30	2	100	10	2.8	0
22/04/2023 19:40	2.1	102	8	2.8	0
22/04/2023 19:50	2	99	8	2.4	0
22/04/2023 20:00	1.7	98	10	2.2	0
22/04/2023 20:10	1.7	89	11	2.4	0
22/04/2023 20:20	1.8	87	10	2.6	0
22/04/2023 20:30	1.3	91	11	2	0
22/04/2023 20:40	0.8	74	8	2.1	0
22/04/2023 20:50	1.2	73	10	2	0
22/04/2023 21:00	0.9	70	11	1.9	0
22/04/2023 21:10	0.2	80	8	0.9	0
22/04/2023 21:20	0.3	95	8	0.9	0
22/04/2023 21:30	0.5	102	9	1.2	0
22/04/2023 21:40	1	108	9	1.9	0
22/04/2023 21:50	0.6	103	13	1.2	0
22/04/2023 22:00	0.4	91	11	1.2	0
22/04/2023 22:10	0.5	77	12	1.1	0
22/04/2023 22:20	0.5	78	12	1.1	0
22/04/2023 22:30	1.1	89	13	2.3	0
22/04/2023 22:40	1.4	93	12	2.6	0
22/04/2023 22:50	1.9	92	10	2.8	0
22/04/2023 23:00	1.5	95	11	2.4	0
22/04/2023 23:10	1	111	11	1.8	0
22/04/2023 23:20	0.9	104	10	1.5	0
22/04/2023 23:30	0.2	104	4	0.7	0
22/04/2023 23:40					0
22/04/2023 23:50	0	77	9	0.4	0
23/04/2023 00:00	0.3	97	9	0.8	0
23/04/2023 00:10	0.6	103	14	1.1	0
23/04/2023 00:20	0.2	95	10	0.7	0
23/04/2023 00:30	0.1	114	6	0.6	0
23/04/2023 00:40	0.5	113	12	1.5	0
23/04/2023 00:50	1.5	115	11	2.4	0
23/04/2023 01:00	1.9	122	12	2.5	0
23/04/2023 01:10	1.9	118	12	2.6	0
23/04/2023 01:20	2.1	117	12	2.8	0
23/04/2023 01:30	2	111	11	3.2	0
23/04/2023 01:40	1.9	117	11	2.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/04/2023 01:50	1.9	118	13	2.7	0
23/04/2023 02:00	2.2	116	10	3.2	0
23/04/2023 02:10	2.1	115	10	3.1	0
23/04/2023 02:20	2.3	116	10	3.1	0
23/04/2023 02:30	2.3	108	11	3	0
23/04/2023 02:40	2.4	115	9	3.2	0
23/04/2023 02:50	2.1	117	8	2.6	0
23/04/2023 03:00	2.3	117	8	3.1	0
23/04/2023 03:10	2.6	115	9	3.4	0
23/04/2023 03:20	2.6	112	10	3.5	0
23/04/2023 03:30	2.2	103	8	3	0
23/04/2023 03:40	1.8	93	8	2.4	0
23/04/2023 03:50	1.6	90	8	2.2	0
23/04/2023 04:00	1.4	92	9	1.9	0
23/04/2023 04:10	1.5	84	9	1.8	0
23/04/2023 04:20	1.5	88	9	1.9	0
23/04/2023 04:30	1.4	97	11	2	0
23/04/2023 04:40	1.3	101	9	1.7	0
23/04/2023 04:50	1.6	118	10	2	0
23/04/2023 05:00	1.8	138	18	2.5	0
23/04/2023 05:10	2.1	132	15	3.8	0
23/04/2023 05:20	2	129	14	2.9	0
23/04/2023 05:30	1.7	131	15	2.2	0
23/04/2023 05:40	1.4	130	14	1.9	0
23/04/2023 05:50	1.7	135	13	2.4	0
23/04/2023 06:00	1.8	139	17	2.8	0
23/04/2023 06:10	1.4	119	17	2	0
23/04/2023 06:20	1.2	117	15	1.6	0
23/04/2023 06:30	1.4	101	10	2	0
23/04/2023 06:40	1.3	113	17	2.1	0
23/04/2023 06:50	1.3	105	16	2.1	0
23/04/2023 07:00	2.1	86	13	2.8	0
23/04/2023 07:10	2.4	86	11	3.2	0
23/04/2023 07:20	2.6	84	10	3.3	0
23/04/2023 07:30	2.7	88	14	3.9	0
23/04/2023 07:40	3.2	89	13	4.8	0
23/04/2023 07:50	2.6	88	11	3.4	0
23/04/2023 08:00	3.1	83	12	4.3	0
23/04/2023 08:10	3	88	11	4.2	0
23/04/2023 08:20	3.8	94	12	5.2	0
23/04/2023 08:30	4.5	100	11	6.3	0
23/04/2023 08:40	4.4	99	14	5.8	0
23/04/2023 08:50	4.5	99	13	6.4	0
23/04/2023 09:00	4.8	96	11	6	0
23/04/2023 09:10	4.7	98	11	6.1	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/04/2023 09:20	4.3	102	11	6	0
23/04/2023 09:30	4.5	103	13	6	0
23/04/2023 09:40	4.6	106	12	6.5	0
23/04/2023 09:50	5.1	97	14	7	0
23/04/2023 10:00	5.8	96	12	8	0
23/04/2023 10:10	5.5	89	12	8.2	0
23/04/2023 10:20	6.2	86	12	8.6	0
23/04/2023 10:30	6.7	81	11	8.7	0
23/04/2023 10:40	6.1	83	10	8.5	0
23/04/2023 10:50	6.6	87	13	9	0
23/04/2023 11:00	6.1	85	11	8.4	0
23/04/2023 11:10	5.6	87	13	8.3	0
23/04/2023 11:20	6	84	13	8.7	0
23/04/2023 11:30	6.2	85	16	8.5	0
23/04/2023 11:40	6.6	86	11	9.1	0
23/04/2023 11:50	6.8	86	12	9.8	0
23/04/2023 12:00	7.4	86	12	9.9	0
23/04/2023 12:10	6.4	82	11	8.5	0
23/04/2023 12:20	7	80	10	9.9	0
23/04/2023 12:30	6.6	87	11	9.1	0
23/04/2023 12:40	6.2	83	11	8.2	0
23/04/2023 12:50	6.7	81	11	8.5	0
23/04/2023 13:00	6.4	80	12	8.7	0
23/04/2023 13:10	6.3	89	13	8.3	0
23/04/2023 13:20	5.7	80	13	8	0
23/04/2023 13:30	5.7	81	12	7.3	0
23/04/2023 13:40	5.1	82	12	6.7	0
23/04/2023 13:50	4.9	73	13	6.5	0
23/04/2023 14:00	5.1	74	11	6.7	0
23/04/2023 14:10	4.4	75	12	5.9	0
23/04/2023 14:20	4.2	82	14	5.9	0
23/04/2023 14:30	4.7	77	13	6.8	0
23/04/2023 14:40	4.6	79	11	6.4	0
23/04/2023 14:50	5.1	81	11	7	0
23/04/2023 15:00	4.9	80	10	6.7	0
23/04/2023 15:10	4.5	82	12	6.4	0
23/04/2023 15:20	4.7	69	15	6	0
23/04/2023 15:30	4.9	63	13	7.3	0
23/04/2023 15:40	4.2	62	13	6.5	0
23/04/2023 15:50	4.4	62	13	6.6	0
23/04/2023 16:00	4.9	73	12	7.2	0
23/04/2023 16:10	4.1	67	15	6.1	0
23/04/2023 16:20	4	74	13	6	0
23/04/2023 16:30	3.8	75	14	5.6	0
23/04/2023 16:40	4	71	12	5.5	0



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/04/2023 16:50	3.7	73	13	5.1	0
23/04/2023 17:00	3.7	76	12	5.2	0
23/04/2023 17:10	3.7	81	11	4.4	0
23/04/2023 17:20	3.2	88	12	4.3	0
23/04/2023 17:30	2.8	90	12	4.3	0
23/04/2023 17:40	2.4	88	12	3.2	0
23/04/2023 17:50	2.8	85	10	3.8	0
23/04/2023 18:00	2.4	75	11	3.3	0
23/04/2023 18:10	2.2	73	10	2.8	0
23/04/2023 18:20	1.7	70	11	2.4	0
23/04/2023 18:30	1.5	69	14	2.2	0
23/04/2023 18:40	1.6	65	11	2.3	0
23/04/2023 18:50	1.5	63	11	2	0
23/04/2023 19:00	1.3	69	16	1.7	0
23/04/2023 19:10	1.4	60	13	2.1	0
23/04/2023 19:20	1.5	36	20	2.4	0
23/04/2023 19:30	1.3	23	21	2.1	0
23/04/2023 19:40	0.9	178	62	1.4	0
23/04/2023 19:50	1.1	234	65	1.8	0
23/04/2023 20:00	1.1	231	16	1.6	0
23/04/2023 20:10	0.7	173	12	1.5	0
23/04/2023 20:20	0.3	306	14	1.1	0
23/04/2023 20:30	0.7	172	59	1.4	0
23/04/2023 20:40	1.2	212	34	1.6	0
23/04/2023 20:50	1.3	253	33	1.8	0
23/04/2023 21:00	0.6	289	21	1.4	0
23/04/2023 21:10	0.4	215	29	0.8	0
23/04/2023 21:20	0.7	219	40	1.2	0
23/04/2023 21:30	0.2	221	15	0.8	0
23/04/2023 21:40	0	180	1	0.5	0
23/04/2023 21:50	0.3	247	16	1.1	0
23/04/2023 22:00	0.9	313	13	1.2	0
23/04/2023 22:10	0.3	217	10	0.9	0
23/04/2023 22:20	1	285	28	1.3	0
23/04/2023 22:30	0.6	182	34	1.1	0
23/04/2023 22:40	0.6	260	21	0.9	0
23/04/2023 22:50	0.3	264	7	0.8	0
23/04/2023 23:00	0.2	227	31	0.8	0
23/04/2023 23:10	0.7	203	36	1.1	0
23/04/2023 23:20	0.9	303	15	1.3	0
23/04/2023 23:30	0.2	202	18	0.8	0
23/04/2023 23:40	0.8	272	26	1.2	0
23/04/2023 23:50	0.5	176	80	1.1	0
24/04/2023 00:00	0.9	233	39	1.2	0
24/04/2023 00:10	0.2	112	12	0.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/04/2023 00:20	0.3	306	3	0.9	0
24/04/2023 00:30	0.1	307	1	0.9	0
24/04/2023 00:40	0.7	302	5	1.3	0
24/04/2023 00:50	0.9	290	5	1.6	0
24/04/2023 01:00	0.5	323	7	0.9	0
24/04/2023 01:10	0.2	300	2	0.8	0
24/04/2023 01:20					0
24/04/2023 01:30					0
24/04/2023 01:40	0.6	306	2	1.2	0
24/04/2023 01:50	0.2	295	3	0.8	0
24/04/2023 02:00	0.3	300	5	0.8	0
24/04/2023 02:10	0.6	302	6	1	0
24/04/2023 02:20	0.6	294	5	0.9	0
24/04/2023 02:30	0.5	298	4	1	0
24/04/2023 02:40	0.6	287	5	0.9	0
24/04/2023 02:50	0.6	293	5	1	0
24/04/2023 03:00	0.4	235	16	0.9	0
24/04/2023 03:10					0
24/04/2023 03:20					0
24/04/2023 03:30					0
24/04/2023 03:40					0
24/04/2023 03:50	0.6	305	3	1.1	0
24/04/2023 04:00	0.2	171	4	0.8	0
24/04/2023 04:10	0	264	0	0.4	0
24/04/2023 04:20					0
24/04/2023 04:30	0.4	288	4	1.1	0
24/04/2023 04:40	0.3	251	8	0.8	0
24/04/2023 04:50	0	277	1	0.4	0
24/04/2023 05:00	0.9	263	13	1.3	0
24/04/2023 05:10	0.4	258	8	0.9	0
24/04/2023 05:20	0.3	44	3	0.8	0
24/04/2023 05:30	0.4	303	4	0.6	0
24/04/2023 05:40					0
24/04/2023 05:50					0
24/04/2023 06:00	0.3	268	18	1.1	0
24/04/2023 06:10	0.5	29	4	1.2	0
24/04/2023 06:20	0.4	33	2	0.8	0
24/04/2023 06:30					0
24/04/2023 06:40					0
24/04/2023 06:50	0.4	139	23	1	0
24/04/2023 07:00	0.2	128	11	0.8	0
24/04/2023 07:10	0.1	61	11	1	0
24/04/2023 07:20	0.2	278	9	0.8	0
24/04/2023 07:30	0.1	97	6	0.6	0
24/04/2023 07:40	1.4	120	15	2.1	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/04/2023 07:50	1.7	133	21	2.3	0
24/04/2023 08:00	1.9	119	17	2.9	0
24/04/2023 08:10	2	108	16	3.1	0
24/04/2023 08:20	1.9	119	15	2.8	0
24/04/2023 08:30	2.4	105	12	3.1	0
24/04/2023 08:40	2.5	101	12	3.3	0
24/04/2023 08:50	2.4	100	13	3.2	0
24/04/2023 09:00	2.5	103	13	3.2	0
24/04/2023 09:10	2.3	97	13	3.3	0
24/04/2023 09:20	2.8	95	14	3.8	0
24/04/2023 09:30	3.2	88	11	4.1	0
24/04/2023 09:40	2.9	96	14	3.8	0
24/04/2023 09:50	2.7	98	13	3.7	0
24/04/2023 10:00	3.2	93	13	4.4	0
24/04/2023 10:10	3.3	95	15	4.7	0
24/04/2023 10:20	3.2	93	16	4.3	0
24/04/2023 10:30	3.5	86	13	4.5	0
24/04/2023 10:40	3.3	90	12	4.4	0
24/04/2023 10:50	3.6	83	11	4.6	0
24/04/2023 11:00	3.6	85	15	5.1	0
24/04/2023 11:10	4.2	70	12	5.6	0
24/04/2023 11:20	4.3	76	12	5.2	0
24/04/2023 11:30	4.4	73	9	5.6	0
24/04/2023 11:40	4.1	77	14	5.4	0
24/04/2023 11:50	4.1	79	12	5.8	0
24/04/2023 12:00	4.4	71	13	6	0
24/04/2023 12:10	4.5	72	11	5.6	0
24/04/2023 12:20	4.4	81	13	5.8	0
24/04/2023 12:30	3.9	80	13	5.3	0
24/04/2023 12:40	3.6	60	12	5	0
24/04/2023 12:50	3.7	82	16	5.7	0
24/04/2023 13:00	4.3	87	12	5.6	0
24/04/2023 13:10	3.9	76	13	5	0
24/04/2023 13:20	4.1	81	15	6	0
24/04/2023 13:30	4.6	82	13	6	0
24/04/2023 13:40	4.3	91	13	5.6	0
24/04/2023 13:50	4	87	11	5.2	0
24/04/2023 14:00	3.6	85	14	5	0
24/04/2023 14:10	3.6	94	14	4.8	0
24/04/2023 14:20	3.5	85	13	4.6	0
24/04/2023 14:30	3.7	79	11	5.1	0
24/04/2023 14:40	3.4	77	14	4.8	0
24/04/2023 14:50	3.7	85	14	5	0
24/04/2023 15:00	3.3	72	17	5.1	0
24/04/2023 15:10	2.2	16	31	3.1	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/04/2023 15:20	2.2	183	25	3.6	0
24/04/2023 15:30	2.4	178	24	3.4	0
24/04/2023 15:40	2.9	8	18	3.9	0
24/04/2023 15:50	2.9	4	20	4.3	0
24/04/2023 16:00	2.8	6	17	4	0
24/04/2023 16:10	2.7	180	20	3.9	0
24/04/2023 16:20	2.6	13	16	4.4	0
24/04/2023 16:30	2.3	182	19	3.4	0
24/04/2023 16:40	2.7	17	14	3.8	0
24/04/2023 16:50	3	5	16	4	0
24/04/2023 17:00	2.8	6	15	4	0
24/04/2023 17:10	2.5	15	15	4.1	0
24/04/2023 17:20	2.9	10	12	3.9	0
24/04/2023 17:30	2.7	8	13	3.6	0
24/04/2023 17:40	2.7	7	16	3.6	0
24/04/2023 17:50	2.6	13	14	3.6	0
24/04/2023 18:00	2.8	6	15	3.9	0
24/04/2023 18:10	2.9	1	13	3.7	0
24/04/2023 18:20	3	1	16	4.3	0
24/04/2023 18:30	2.8	181	16	3.9	0
24/04/2023 18:40	2.7	7	21	3.8	0
24/04/2023 18:50	3	182	15	4	0
24/04/2023 19:00	2.9	25	17	4	0
24/04/2023 19:10	2.8	34	14	4.1	0
24/04/2023 19:20	2.9	26	16	4	0
24/04/2023 19:30	3.4	19	13	4.5	0
24/04/2023 19:40	2.5	32	16	3.6	0
24/04/2023 19:50	2.5	38	18	3.7	0
24/04/2023 20:00	3	22	13	4.4	0
24/04/2023 20:10	3.1	20	14	4.2	0
24/04/2023 20:20	2.5	191	19	3.9	0
24/04/2023 20:30	1.5	315	23	2.8	0
24/04/2023 20:40	1.7	304	17	2.8	0
24/04/2023 20:50	1	330	30	2.3	0
24/04/2023 21:00	1.6	12	21	2.7	0
24/04/2023 21:10	0.2	151	23	1.1	0
24/04/2023 21:20	0.1	230	5	0.8	0
24/04/2023 21:30	0	311	0	0.4	0
24/04/2023 21:40	0.1	243	21	0.7	0
24/04/2023 21:50	0.2	297	23	1.5	0
24/04/2023 22:00	0.1	241	10	0.6	0
24/04/2023 22:10	0.5	218	16	1.2	0
24/04/2023 22:20	1.8	255	11	2.7	0
24/04/2023 22:30	1.7	286	16	2.8	0
24/04/2023 22:40	2.4	276	16	3.4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/04/2023 22:50	2.7	265	11	3.2	0
24/04/2023 23:00	2.6	266	11	3.4	0
24/04/2023 23:10	2.7	263	10	3.3	0
24/04/2023 23:20	2.4	258	9	3.2	0
24/04/2023 23:30	1.8	251	11	2.4	0
24/04/2023 23:40	2.2	253	8	2.9	0
24/04/2023 23:50	2.7	256	8	3.2	0
25/04/2023 00:00	2.5	255	9	3.3	0
25/04/2023 00:10	2.3	256	8	3	0
25/04/2023 00:20	2.3	250	9	3.1	0
25/04/2023 00:30	2.3	254	10	2.9	0
25/04/2023 00:40	2.7	256	11	3.5	0
25/04/2023 00:50	3.1	247	10	4.1	0
25/04/2023 01:00	2.4	243	13	3.2	0
25/04/2023 01:10	3	246	10	3.9	0
25/04/2023 01:20	2.7	243	12	3.8	0
25/04/2023 01:30	2.1	243	12	3	0
25/04/2023 01:40	1.8	252	12	2.7	0
25/04/2023 01:50	2.6	247	12	3.5	0
25/04/2023 02:00	2.9	251	11	3.9	0
25/04/2023 02:10	2.4	246	13	3.6	0
25/04/2023 02:20	2.3	250	11	3	0
25/04/2023 02:30	2.7	251	10	3.8	0
25/04/2023 02:40	1.8	241	13	2.6	0
25/04/2023 02:50	1.8	230	12	2.5	0
25/04/2023 03:00	1.4	235	12	2.1	0
25/04/2023 03:10	1.8	230	13	2.6	0
25/04/2023 03:20	2.4	239	9	3.1	0
25/04/2023 03:30	2.3	247	11	3	0
25/04/2023 03:40	2.3	246	10	3	0
25/04/2023 03:50	2.1	252	10	2.9	0
25/04/2023 04:00	2.1	246	9	2.8	0
25/04/2023 04:10	1.4	245	11	2	0
25/04/2023 04:20	1.1	246	9	1.9	0
25/04/2023 04:30	2	249	10	2.8	0
25/04/2023 04:40	1.8	249	10	2.8	0
25/04/2023 04:50	0.8	245	8	1.6	0
25/04/2023 05:00					0
25/04/2023 05:10					0
25/04/2023 05:20					0
25/04/2023 05:30	0.2	217	7	0.5	0
25/04/2023 05:40	0.4	248	9	0.7	0
25/04/2023 05:50	0.8	246	8	1	0
25/04/2023 06:00	1.4	245	8	2	0
25/04/2023 06:10	1.2	241	11	2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/04/2023 06:20	1.2	244	10	2	0
25/04/2023 06:30	1.3	248	9	2.3	0
25/04/2023 06:40	1.8	249	9	2.6	0
25/04/2023 06:50	2	248	10	2.8	0
25/04/2023 07:00	2.6	251	11	3.4	0
25/04/2023 07:10	2	251	11	2.6	0
25/04/2023 07:20	1.3	250	11	2.1	0
25/04/2023 07:30					0
25/04/2023 07:40					0
25/04/2023 07:50	1	252	13	2.2	0
25/04/2023 08:00	1.8	240	15	2.7	0
25/04/2023 08:10	2.1	238	12	2.7	0
25/04/2023 08:20	2.5	246	12	3.2	0
25/04/2023 08:30	2.3	250	14	3.3	0
25/04/2023 08:40	2.6	244	17	3.5	0
25/04/2023 08:50	3.1	249	16	4.6	0
25/04/2023 09:00	3.4	259	15	4.5	0
25/04/2023 09:10	3.4	251	13	4.6	0
25/04/2023 09:20	3.8	253	13	4.9	0
25/04/2023 09:30	3.6	260	12	4.8	0
25/04/2023 09:40	3.7	249	12	4.8	0
25/04/2023 09:50	4.3	259	12	5.6	0
25/04/2023 10:00	4	245	12	5.1	0
25/04/2023 10:10	4.1	262	16	5.3	0
25/04/2023 10:20	4.4	262	12	5.2	0
25/04/2023 10:30	4.4	260	11	5.4	0
25/04/2023 10:40	4.4	263	10	5.6	0
25/04/2023 10:50	4.1	257	13	5.2	0
25/04/2023 11:00	4	239	12	5.2	0
25/04/2023 11:10	3.4	245	15	4.4	0
25/04/2023 11:20	3.3	257	17	4.8	0
25/04/2023 11:30	3.4	259	17	4.5	0
25/04/2023 11:40	2.9	268	20	4.3	0
25/04/2023 11:50	2.7	288	16	4	0
25/04/2023 12:00	3.4	278	18	4.4	0
25/04/2023 12:10	3.7	281	15	4.8	0
25/04/2023 12:20	3.7	267	16	5.1	0
25/04/2023 12:30	4	264	12	5.2	0
25/04/2023 12:40	3.5	274	17	4.4	0
25/04/2023 12:50	3.7	277	19	5.2	0
25/04/2023 13:00	4.1	254	11	5.3	0
25/04/2023 13:10	3.8	256	14	5.2	0
25/04/2023 13:20	3.8	266	17	5.1	0
25/04/2023 13:30	3.9	267	15	5.2	0
25/04/2023 13:40	3.7	267	17	5.8	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/04/2023 13:50	3.8	260	13	4.8	0
25/04/2023 14:00	3.7	278	17	5.1	0
25/04/2023 14:10	3.6	278	18	4.7	0
25/04/2023 14:20	3.5	273	17	5.2	0
25/04/2023 14:30	3	286	16	4.5	0
25/04/2023 14:40	2.8	278	17	4	0
25/04/2023 14:50	2.8	262	15	3.9	0
25/04/2023 15:00	2.9	266	16	3.9	0
25/04/2023 15:10	3.1	257	12	4.4	0
25/04/2023 15:20	3.2	269	14	4.2	0
25/04/2023 15:30	2.8	299	12	3.7	0
25/04/2023 15:40	3.1	298	13	4	0
25/04/2023 15:50	2.7	299	13	3.6	0
25/04/2023 16:00	2.7	271	17	3.6	0
25/04/2023 16:10	2.7	279	16	3.6	0
25/04/2023 16:20	3.5	264	13	5.1	0
25/04/2023 16:30	4.2	257	14	5.6	0
25/04/2023 16:40	4.9	263	10	6.4	0
25/04/2023 16:50	4.1	261	11	5.3	0
25/04/2023 17:00	4	271	13	5.4	0
25/04/2023 17:10	4.3	263	11	6.1	0
25/04/2023 17:20	4.3	268	13	5.5	0
25/04/2023 17:30	4	265	11	5.4	0
25/04/2023 17:40	4	259	11	5.4	0
25/04/2023 17:50	3.9	260	10	5.2	0
25/04/2023 18:00	4	259	13	5.5	0
25/04/2023 18:10	4.4	263	11	6	0
25/04/2023 18:20	4.2	261	11	5.6	0
25/04/2023 18:30	4.3	263	10	5.5	0
25/04/2023 18:40	4.5	262	10	6.3	0
25/04/2023 18:50	4.3	261	9	5.2	0
25/04/2023 19:00	3.5	263	9	4.8	0
25/04/2023 19:10	3.8	261	11	5.5	0
25/04/2023 19:20	3.7	261	10	4.8	0
25/04/2023 19:30	3.4	259	13	4.8	0
25/04/2023 19:40	3.5	255	13	4.7	0
25/04/2023 19:50	3	254	14	4.4	0
25/04/2023 20:00	3	256	13	4.5	0
25/04/2023 20:10	2.7	252	14	4	0
25/04/2023 20:20	2.9	256	11	4	0
25/04/2023 20:30	3	255	12	4.3	0
25/04/2023 20:40	3.2	258	11	4.4	0
25/04/2023 20:50	3.2	256	9	4	0
25/04/2023 21:00	3	254	11	4	0
25/04/2023 21:10	3.1	258	10	4.4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/04/2023 21:20	3.4	257	9	4.5	0
25/04/2023 21:30	3.1	255	10	3.9	0
25/04/2023 21:40	3.2	248	11	4.3	0
25/04/2023 21:50	2.5	241	12	3.2	0
25/04/2023 22:00	2.5	242	14	3.9	0
25/04/2023 22:10	2.8	235	14	3.8	0
25/04/2023 22:20	2.3	220	16	3.2	0
25/04/2023 22:30	2.8	220	17	4.2	0
25/04/2023 22:40	2.7	226	18	3.7	0
25/04/2023 22:50	2.6	223	19	4	0
25/04/2023 23:00	1.9	240	15	2.6	0
25/04/2023 23:10	2	259	14	3	0
25/04/2023 23:20	2.2	257	10	2.8	0
25/04/2023 23:30	2.2	259	12	2.9	0
25/04/2023 23:40	2	232	15	3.1	0
25/04/2023 23:50	2.4	251	14	3.2	0
26/04/2023 00:00	2.6	253	11	3.3	0
26/04/2023 00:10	2.3	253	14	3	0
26/04/2023 00:20	2.4	242	12	3.5	0
26/04/2023 00:30	2.4	236	15	3.9	0
26/04/2023 00:40	2.3	238	13	3.2	0
26/04/2023 00:50	2.8	239	14	4.1	0
26/04/2023 01:00	2.5	231	17	3.5	0
26/04/2023 01:10	2.2	250	14	3.3	0
26/04/2023 01:20	2.6	258	13	3.4	0
26/04/2023 01:30	2.5	259	12	3.6	0
26/04/2023 01:40	2.1	245	13	2.8	0
26/04/2023 01:50	2.5	232	11	3.6	0
26/04/2023 02:00	2.5	246	12	3.4	0
26/04/2023 02:10	2.1	234	13	3.2	0
26/04/2023 02:20	2.3	223	13	3.3	0
26/04/2023 02:30	2.1	226	18	2.8	0
26/04/2023 02:40	1.6	214	33	2.7	0
26/04/2023 02:50	0.5	227	52	1.1	0
26/04/2023 03:00	0.7	149	43	1.2	0
26/04/2023 03:10	0.6	225	51	1.4	0
26/04/2023 03:20	0.8	177	49	1.7	0
26/04/2023 03:30	1	193	43	1.6	0
26/04/2023 03:40	0.9	204	40	1.8	0
26/04/2023 03:50	0.8	169	47	1.6	0
26/04/2023 04:00	1.5	224	26	2.7	0
26/04/2023 04:10	1.2	178	50	2.4	0
26/04/2023 04:20	1.2	201	64	2.4	0
26/04/2023 04:30	1.6	216	40	2.8	0
26/04/2023 04:40	1.2	215	37	1.9	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/04/2023 04:50	1	215	35	2	0
26/04/2023 05:00	1.3	250	25	2.3	0
26/04/2023 05:10	1.4	215	43	2.6	0
26/04/2023 05:20	1.4	224	29	2.8	0
26/04/2023 05:30	1.3	242	32	2.1	0
26/04/2023 05:40	2	213	37	3.1	0
26/04/2023 05:50	1.7	222	63	2.9	0
26/04/2023 06:00	1.2	136	86	2	0
26/04/2023 06:10	1	233	90	1.8	0
26/04/2023 06:20	1.1	294	82	2	0
26/04/2023 06:30	1.1	291	59	1.8	0
26/04/2023 06:40	0.8	229	45	1.3	0
26/04/2023 06:50	1.2	230	18	2	0
26/04/2023 07:00	1.3	227	19	2	0
26/04/2023 07:10	0.5	145	29	1.2	0
26/04/2023 07:20	1	224	51	2	0
26/04/2023 07:30	1.3	211	39	2.1	0
26/04/2023 07:40	0.9	187	48	2.1	0
26/04/2023 07:50	1.1	178	37	2	0
26/04/2023 08:00	1.2	135	59	2	0
26/04/2023 08:10	1.1	118	54	1.9	0
26/04/2023 08:20	1.1	127	62	1.9	0
26/04/2023 08:30	1.3	212	67	2.1	0
26/04/2023 08:40	1.1	176	83	2	0
26/04/2023 08:50	1.2	198	85	1.6	0
26/04/2023 09:00	1.3	174	63	2.5	0
26/04/2023 09:10	1.5	219	52	2.7	0
26/04/2023 09:20	1.6	218	37	2.8	0
26/04/2023 09:30	1	189	80	1.8	0
26/04/2023 09:40	1.5	185	79	2.5	0
26/04/2023 09:50	1.7	148	61	3	0
26/04/2023 10:00	1.8	139	49	3.1	0
26/04/2023 10:10	2.2	124	18	3.2	0
26/04/2023 10:20	2.1	131	35	3.6	0
26/04/2023 10:30	2	172	49	3.3	0
26/04/2023 10:40	2.5	127	29	3.9	0
26/04/2023 10:50	2.2	121	35	3.5	0
26/04/2023 11:00	2.9	85	19	4	0
26/04/2023 11:10	2.4	120	38	3.8	0
26/04/2023 11:20	1.6	196	64	3.1	0
26/04/2023 11:30	2	275	31	2.9	0
26/04/2023 11:40	2.6	304	16	4.3	0
26/04/2023 11:50	3.1	309	17	4.4	0
26/04/2023 12:00	2.8	297	23	3.9	0
26/04/2023 12:10	2.1	313	35	4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/04/2023 12:20	3.3	293	15	5	0
26/04/2023 12:30	3.6	296	13	5	0
26/04/2023 12:40	3.6	301	18	5	0
26/04/2023 12:50	3.2	296	17	4.8	0
26/04/2023 13:00	3.6	301	14	5.2	0
26/04/2023 13:10	3.2	304	17	4.5	0
26/04/2023 13:20	3.8	298	13	4.9	0
26/04/2023 13:30	3.6	301	13	4.8	0
26/04/2023 13:40	4	298	14	5.2	0
26/04/2023 13:50	4.4	282	13	5.8	0
26/04/2023 14:00	4.6	264	16	6	0
26/04/2023 14:10	4.7	265	13	6.3	0
26/04/2023 14:20	5.2	261	14	6.6	0
26/04/2023 14:30	5.2	258	12	6.4	0
26/04/2023 14:40	5.3	260	11	6.5	0
26/04/2023 14:50	5	260	11	6.4	0
26/04/2023 15:00	4.9	260	11	6.4	0
26/04/2023 15:10	4.3	258	12	5.9	0
26/04/2023 15:20	4.8	262	10	6.3	0
26/04/2023 15:30	4.5	258	13	5.9	0
26/04/2023 15:40	4.9	255	12	6.8	0
26/04/2023 15:50	4.5	253	13	6.3	0
26/04/2023 16:00	5.1	260	10	6.4	0
26/04/2023 16:10	4.9	263	11	6.3	0
26/04/2023 16:20	4.9	261	9	6.1	0
26/04/2023 16:30	4.7	255	12	6	0
26/04/2023 16:40	4.6	256	13	6.1	0
26/04/2023 16:50	5.1	253	11	6.8	0
26/04/2023 17:00	5	252	11	6.6	0
26/04/2023 17:10	5.2	256	11	6.4	0
26/04/2023 17:20	4.7	257	9	6	0
26/04/2023 17:30	4.7	258	9	6	0
26/04/2023 17:40	4.4	259	10	5.5	0
26/04/2023 17:50	4.3	260	10	5.8	0
26/04/2023 18:00	4.5	256	11	5.6	0
26/04/2023 18:10	4.7	259	9	5.7	0
26/04/2023 18:20	4.8	262	9	6	0
26/04/2023 18:30	4.3	261	11	6.2	0
26/04/2023 18:40	4.2	262	10	5.2	0
26/04/2023 18:50	3.6	259	10	4.8	0
26/04/2023 19:00	3.7	260	8	5	0
26/04/2023 19:10	3.3	252	11	4.5	0
26/04/2023 19:20	3.9	251	11	5.2	0
26/04/2023 19:30	4	259	10	5.4	0
26/04/2023 19:40	3.5	257	10	4.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/04/2023 19:50	3.3	252	12	4.5	0
26/04/2023 20:00	3.4	256	10	5	0
26/04/2023 20:10	3.3	253	11	4.4	0
26/04/2023 20:20	3.3	250	10	4.6	0
26/04/2023 20:30	3.3	253	11	4.3	0
26/04/2023 20:40	3.6	252	10	4.8	0
26/04/2023 20:50	3.2	249	12	4	0
26/04/2023 21:00	2.9	251	13	4	0
26/04/2023 21:10	3	246	12	4.3	0
26/04/2023 21:20	3.3	252	11	4.2	0
26/04/2023 21:30	3.2	251	12	4.1	0
26/04/2023 21:40	3.3	254	10	4.8	0
26/04/2023 21:50	2.9	251	9	3.6	0
26/04/2023 22:00	3.1	249	10	4.2	0
26/04/2023 22:10	3.1	243	11	3.8	0
26/04/2023 22:20	3.4	252	10	4.8	0
26/04/2023 22:30	3.3	250	11	4.3	0
26/04/2023 22:40	3	256	12	3.8	0
26/04/2023 22:50	3.1	252	12	4.2	0
26/04/2023 23:00	2.7	252	11	3.6	0
26/04/2023 23:10	3.1	257	11	3.8	0
26/04/2023 23:20	3.5	254	10	4.7	0
26/04/2023 23:30	3	250	13	4	0
26/04/2023 23:40	2.8	240	10	3.8	0
26/04/2023 23:50	2.6	242	10	3.5	0
27/04/2023 00:00	3	252	11	4	0
27/04/2023 00:10	3.1	250	13	4.2	0
27/04/2023 00:20	2.9	254	10	3.7	0
27/04/2023 00:30	2.6	254	11	3.6	0
27/04/2023 00:40	3.1	258	10	4.1	0
27/04/2023 00:50	3.4	254	10	4.4	0
27/04/2023 01:00	3.1	255	10	3.9	0
27/04/2023 01:10	2.3	252	11	3.1	0
27/04/2023 01:20	2.5	251	10	3.2	0
27/04/2023 01:30	2.6	247	10	3.4	0
27/04/2023 01:40	1.9	240	11	2.7	0
27/04/2023 01:50	2	238	10	2.7	0
27/04/2023 02:00	1.8	245	10	2.6	0
27/04/2023 02:10	1.9	247	11	2.7	0
27/04/2023 02:20	1.6	240	9	2.1	0
27/04/2023 02:30	2	236	11	2.6	0
27/04/2023 02:40	1.6	240	11	2	0
27/04/2023 02:50	1.8	247	10	2.5	0
27/04/2023 03:00	1.8	241	9	2.4	0
27/04/2023 03:10	2.1	247	10	2.9	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/04/2023 03:20	2.5	250	11	3.4	0
27/04/2023 03:30	2.6	247	8	3.3	0
27/04/2023 03:40	2.5	244	13	3.5	0
27/04/2023 03:50	2.2	238	10	2.8	0
27/04/2023 04:00	2.3	242	9	3.2	0
27/04/2023 04:10	1.9	238	13	2.6	0
27/04/2023 04:20	0.2	122	13	0.6	0
27/04/2023 04:30	0.8	62	8	1.2	0
27/04/2023 04:40	0.2	57	4	0.9	0
27/04/2023 04:50					0
27/04/2023 05:00	0.6	48	7	1.1	0
27/04/2023 05:10	0.8	290	31	1.5	0
27/04/2023 05:20	1.9	254	11	2.6	0
27/04/2023 05:30	0.5	175	19	1.2	0
27/04/2023 05:40	0.3	64	7	1	0
27/04/2023 05:50	0.8	100	15	1.2	0
27/04/2023 06:00	0	268	2	0.4	0
27/04/2023 06:10	0.8	245	15	1.1	0
27/04/2023 06:20	0.7	226	13	1.1	0
27/04/2023 06:30					0
27/04/2023 06:40	0.4	225	15	1	0
27/04/2023 06:50					0
27/04/2023 07:00					0
27/04/2023 07:10					0
27/04/2023 07:20					0
27/04/2023 07:30	0.3	220	13	1	0
27/04/2023 07:40	0.8	77	14	1.2	0
27/04/2023 07:50	1.5	117	19	2.4	0
27/04/2023 08:00	1.9	105	12	2.6	0
27/04/2023 08:10	1.5	104	16	2	0
27/04/2023 08:20	1.5	112	15	2.1	0
27/04/2023 08:30	2	98	13	2.8	0
27/04/2023 08:40	2.7	100	10	3.5	0
27/04/2023 08:50	2.6	107	11	3.6	0
27/04/2023 09:00	3.1	110	10	4.4	0
27/04/2023 09:10	3.1	108	11	4	0
27/04/2023 09:20	3.2	101	13	4.4	0
27/04/2023 09:30	3.6	100	11	4.8	0
27/04/2023 09:40	3.1	102	13	4.3	0
27/04/2023 09:50	3.3	95	14	4.4	0
27/04/2023 10:00	3	105	15	4.1	0
27/04/2023 10:10	3	101	11	3.8	0
27/04/2023 10:20	3.2	96	14	4	0
27/04/2023 10:30	3.8	93	11	4.8	0
27/04/2023 10:40	3.8	89	12	5.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/04/2023 10:50	3.7	87	13	4.9	0
27/04/2023 11:00	3.8	90	13	5.1	0
27/04/2023 11:10	4.1	89	10	5.7	0
27/04/2023 11:20	4.1	98	13	5.2	0
27/04/2023 11:30	4.7	93	11	6	0
27/04/2023 11:40	4.3	91	13	5.7	0
27/04/2023 11:50	4.3	88	12	6.1	0
27/04/2023 12:00	4.3	97	13	6.1	0
27/04/2023 12:10	4.8	88	11	6.9	0
27/04/2023 12:20	4.7	89	11	6.3	0
27/04/2023 12:30	4.6	86	12	6.8	0
27/04/2023 12:40	5.6	96	10	7.5	0
27/04/2023 12:50	4.8	90	15	6.6	0
27/04/2023 13:00	4.9	89	12	7.3	0
27/04/2023 13:10	5.6	80	13	7.2	0
27/04/2023 13:20	5	82	12	6.8	0
27/04/2023 13:30	4.7	85	12	5.9	0
27/04/2023 13:40	5.2	84	12	6.8	0
27/04/2023 13:50	5.1	84	10	6.8	0
27/04/2023 14:00	5.2	81	13	7	0
27/04/2023 14:10	4.7	74	14	6.8	0
27/04/2023 14:20	4.7	67	14	6.5	0
27/04/2023 14:30	5	73	12	6.8	0
27/04/2023 14:40	4.5	67	12	6.1	0
27/04/2023 14:50	4	64	12	5.7	0
27/04/2023 15:00	3.6	77	12	4.9	0
27/04/2023 15:10	3.6	63	12	4.8	0
27/04/2023 15:20	3.6	73	13	5.3	0
27/04/2023 15:30	3.9	70	12	5.4	0
27/04/2023 15:40	3.6	58	13	4.7	0
27/04/2023 15:50	3.3	63	11	4.5	0
27/04/2023 16:00	3.1	61	13	4	0
27/04/2023 16:10	3.2	80	10	4.3	0
27/04/2023 16:20	3	85	12	3.9	0
27/04/2023 16:30	2.5	48	18	3.6	0
27/04/2023 16:40	2.4	179	17	3.3	0
27/04/2023 16:50	2.1	9	18	3.2	0
27/04/2023 17:00	2.2	6	16	3.2	0
27/04/2023 17:10	2.3	48	11	3.1	0
27/04/2023 17:20	1.8	188	18	2.8	0
27/04/2023 17:30	1.7	344	21	2.4	0
27/04/2023 17:40	1.4	174	27	2.4	0
27/04/2023 17:50	1.3	349	24	2.1	0
27/04/2023 18:00	1.6	328	17	2.2	0
27/04/2023 18:10	2.5	300	23	3.9	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/04/2023 18:20	2	9	19	2.9	0
27/04/2023 18:30	1.3	161	22	2.4	0
27/04/2023 18:40	0.8	308	16	1.8	0
27/04/2023 18:50	1	317	19	1.7	0
27/04/2023 19:00	1.2	308	14	2	0
27/04/2023 19:10	1.1	349	13	1.9	0
27/04/2023 19:20	1.4	345	21	2.2	0
27/04/2023 19:30	1.4	336	24	2	0
27/04/2023 19:40	0.7	335	17	1.6	0
27/04/2023 19:50	0.6	326	24	1.6	0
27/04/2023 20:00	0.9	319	22	1.8	0
27/04/2023 20:10	1.5	292	30	2.4	0
27/04/2023 20:20	1.8	263	12	2.6	0
27/04/2023 20:30	0.7	270	13	1.6	0
27/04/2023 20:40	0.2	280	11	1.1	0
27/04/2023 20:50	0.8	259	11	1.4	0
27/04/2023 21:00	0.7	260	14	1.3	0
27/04/2023 21:10	0.5	340	32	1.2	0
27/04/2023 21:20	1	328	36	1.8	0
27/04/2023 21:30	0.7	294	20	1.2	0
27/04/2023 21:40	1.1	278	18	1.7	0
27/04/2023 21:50	0.8	319	18	1.7	0
27/04/2023 22:00	0.9	244	16	1.7	0
27/04/2023 22:10	1.3	233	10	2	0
27/04/2023 22:20	1.1	232	10	1.6	0
27/04/2023 22:30	0.8	235	12	1.2	0
27/04/2023 22:40	0.5	238	6	0.9	0
27/04/2023 22:50	1.1	229	5	1.4	0
27/04/2023 23:00	1.3	231	11	1.9	0
27/04/2023 23:10	1.1	236	15	1.5	0
27/04/2023 23:20	0.4	227	13	0.8	0
27/04/2023 23:30	1.2	248	11	1.8	0
27/04/2023 23:40	0.6	235	12	1.1	0
27/04/2023 23:50	0.7	234	15	1.2	0
28/04/2023 00:00	1.4	231	11	2.7	0
28/04/2023 00:10	1.9	229	14	2.7	0
28/04/2023 00:20	1.7	231	12	2.5	0
28/04/2023 00:30	1.2	227	16	2	0
28/04/2023 00:40	1.5	230	15	2.3	0
28/04/2023 00:50	1.8	233	13	2.6	0
28/04/2023 01:00	1.6	229	13	2.7	0
28/04/2023 01:10	2	227	12	3.1	0
28/04/2023 01:20	1.9	228	15	2.8	0
28/04/2023 01:30	1.3	231	14	2	0
28/04/2023 01:40	1.4	231	12	2.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/04/2023 01:50	1.4	225	13	2.4	0
28/04/2023 02:00	1.4	229	11	2.1	0
28/04/2023 02:10	1.5	228	12	2.3	0
28/04/2023 02:20	1	227	17	2	0
28/04/2023 02:30	1.2	237	12	1.9	0
28/04/2023 02:40	0.8	243	9	1.6	0
28/04/2023 02:50	0.3	233	7	1.2	0
28/04/2023 03:00	1.2	246	10	1.8	0
28/04/2023 03:10	1.2	239	13	2	0
28/04/2023 03:20	1.4	237	11	2.1	0
28/04/2023 03:30	0.8	229	9	1.7	0
28/04/2023 03:40	0	117	0	0.4	0
28/04/2023 03:50	0	216	10	0.5	0
28/04/2023 04:00	0.5	135	15	1.6	0
28/04/2023 04:10	0.5	151	15	1.3	0
28/04/2023 04:20	0.3	106	9	1.5	0
28/04/2023 04:30	1.4	82	11	2.3	0
28/04/2023 04:40	1.4	87	20	2.4	0
28/04/2023 04:50	0.9	104	10	1.2	0
28/04/2023 05:00	0.7	137	11	1.1	0
28/04/2023 05:10	0.7	144	6	1.3	0
28/04/2023 05:20	1.3	131	11	1.8	0
28/04/2023 05:30	1.7	112	11	2.5	0
28/04/2023 05:40	1.7	113	10	2.3	0
28/04/2023 05:50	1.7	107	9	2.4	0
28/04/2023 06:00	1.8	115	9	2.5	0
28/04/2023 06:10	1.4	110	12	1.9	0
28/04/2023 06:20	1.5	103	13	2.1	0
28/04/2023 06:30	1.6	98	9	2	0
28/04/2023 06:40	1.6	102	12	2.6	0
28/04/2023 06:50	1.3	115	8	1.7	0
28/04/2023 07:00	1.2	117	9	1.5	0
28/04/2023 07:10	1.2	130	11	1.7	0
28/04/2023 07:20	1.1	115	11	1.6	0
28/04/2023 07:30	1.8	102	13	2.6	0
28/04/2023 07:40	1.7	109	11	2.4	0
28/04/2023 07:50	1.6	112	10	2.2	0
28/04/2023 08:00	2.3	110	9	3.5	0
28/04/2023 08:10	2.7	116	12	3.8	0
28/04/2023 08:20	2.4	111	12	3.5	0
28/04/2023 08:30	2.7	92	13	3.7	0
28/04/2023 08:40	2.9	96	12	4	0
28/04/2023 08:50	2.8	100	15	4	0
28/04/2023 09:00	2.9	80	10	4.1	0.1
28/04/2023 09:10	2.5	78	15	3.7	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/04/2023 09:20	2.9	98	14	4	0
28/04/2023 09:30	3.2	111	14	4.3	0
28/04/2023 09:40	2.8	104	14	4.1	0
28/04/2023 09:50	3.7	98	14	5.7	0
28/04/2023 10:00	3.8	102	15	5.6	0
28/04/2023 10:10	4.4	101	12	5.8	0
28/04/2023 10:20	4.5	107	11	5.8	0
28/04/2023 10:30	4	92	13	5.5	0
28/04/2023 10:40	3.1	89	14	4.4	0
28/04/2023 10:50	3.9	94	12	5.2	0
28/04/2023 11:00	3.4	90	14	5	0
28/04/2023 11:10	3.6	100	13	5.2	0
28/04/2023 11:20	3.8	88	14	5.2	0
28/04/2023 11:30	4.6	85	12	6.4	0
28/04/2023 11:40	4.4	87	11	6	0
28/04/2023 11:50	4.7	84	11	5.9	0
28/04/2023 12:00	4.8	83	14	6.4	0
28/04/2023 12:10	5.3	90	13	7.2	0
28/04/2023 12:20	5.5	86	9	7.7	0
28/04/2023 12:30	5.8	79	10	8.2	0
28/04/2023 12:40	6.2	78	12	8.3	0
28/04/2023 12:50	5.4	83	14	7.2	0
28/04/2023 13:00	5.9	77	11	7.8	0
28/04/2023 13:10	4.7	86	14	6.7	0
28/04/2023 13:20	5.7	92	13	7.7	0
28/04/2023 13:30	5	91	11	7.1	0
28/04/2023 13:40	4.8	96	13	7.1	0
28/04/2023 13:50	4.1	84	13	6	0
28/04/2023 14:00	4.8	81	12	6.6	0
28/04/2023 14:10	4.5	82	11	6.3	0
28/04/2023 14:20	3.6	80	12	4.9	0
28/04/2023 14:30	4.1	85	12	5.9	0
28/04/2023 14:40	4.1	83	13	5.5	0
28/04/2023 14:50	3.7	83	11	5.1	0
28/04/2023 15:00	3.3	79	12	4.4	0
28/04/2023 15:10	3.3	85	13	4.8	0
28/04/2023 15:20	3.1	82	13	4.6	0
28/04/2023 15:30	3.5	75	10	4.5	0
28/04/2023 15:40	3.2	83	11	4.6	0
28/04/2023 15:50	3	80	11	4	0
28/04/2023 16:00	3	85	13	4.2	0
28/04/2023 16:10	2.9	81	12	3.6	0
28/04/2023 16:20	2.9	74	12	4.2	0
28/04/2023 16:30	2.7	80	11	3.8	0
28/04/2023 16:40	3	77	12	4.2	0



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/04/2023 16:50	2.7	69	12	3.6	0
28/04/2023 17:00	2.9	74	11	4	0
28/04/2023 17:10	2.7	69	10	3.8	0
28/04/2023 17:20	3.1	69	11	4.5	0
28/04/2023 17:30	2.7	66	11	3.8	0
28/04/2023 17:40	2.7	60	10	3.6	0
28/04/2023 17:50	2.7	56	10	3.6	0
28/04/2023 18:00	2.5	54	11	3.2	0
28/04/2023 18:10	2.6	54	12	3.4	0
28/04/2023 18:20	2.3	60	11	3	0
28/04/2023 18:30	2.1	52	11	2.7	0
28/04/2023 18:40	1.6	59	10	2.3	0
28/04/2023 18:50	1.6	55	8	2.1	0
28/04/2023 19:00	1.6	45	9	2	0
28/04/2023 19:10	1.2	57	9	1.5	0
28/04/2023 19:20	1	52	14	1.5	0
28/04/2023 19:30	0.9	58	10	1.2	0
28/04/2023 19:40	0.4	140	36	0.8	0
28/04/2023 19:50	0.2	59	13	0.6	0
28/04/2023 20:00	0.5	264	8	0.8	0
28/04/2023 20:10	0.5	268	5	0.9	0
28/04/2023 20:20	0.2	223	5	0.7	0
28/04/2023 20:30	0.4	174	44	1.2	0
28/04/2023 20:40					0
28/04/2023 20:50					0
28/04/2023 21:00					0
28/04/2023 21:10					0
28/04/2023 21:20					0
28/04/2023 21:30					0
28/04/2023 21:40					0
28/04/2023 21:50					0
28/04/2023 22:00					0
28/04/2023 22:10					0
28/04/2023 22:20	0.8	229	14	1.2	0
28/04/2023 22:30	0.5	178	26	0.9	0
28/04/2023 22:40	0.2	161	14	0.6	0
28/04/2023 22:50	0.3	35	9	1	0
28/04/2023 23:00	1.2	33	7	1.4	0
28/04/2023 23:10	1.2	42	8	1.4	0
28/04/2023 23:20	1.4	53	9	1.7	0
28/04/2023 23:30	0.8	75	12	1.2	0
28/04/2023 23:40	1.5	108	12	2.1	0
28/04/2023 23:50	1.8	95	9	2.3	0
29/04/2023 00:00	1.9	106	8	2.3	0
29/04/2023 00:10	2	108	9	2.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/04/2023 00:20	1.7	110	13	2.2	0
29/04/2023 00:30	1.4	132	14	1.8	0
29/04/2023 00:40	1.5	102	8	1.8	0
29/04/2023 00:50	1.3	99	7	1.6	0
29/04/2023 01:00	1.6	107	5	2	0
29/04/2023 01:10	1.2	105	9	1.6	0
29/04/2023 01:20	0.8	96	7	1.1	0
29/04/2023 01:30	0.9	94	8	1.3	0
29/04/2023 01:40	0.7	87	14	0.9	0
29/04/2023 01:50	0.7	85	9	1.1	0
29/04/2023 02:00	0.2	91	4	0.8	0
29/04/2023 02:10	0.4	87	7	0.8	0
29/04/2023 02:20	0.2	79	5	0.9	0
29/04/2023 02:30	0.7	66	16	1.2	0
29/04/2023 02:40	0.7	109	12	1.1	0
29/04/2023 02:50	0.4	93	12	0.9	0
29/04/2023 03:00	0.8	33	16	1.4	0
29/04/2023 03:10	2	66	12	3.1	0
29/04/2023 03:20	1.9	80	12	3.1	0
29/04/2023 03:30	2	78	10	2.6	0
29/04/2023 03:40	1.5	104	27	2.7	0
29/04/2023 03:50	2.1	85	13	3.4	0
29/04/2023 04:00	2	80	14	2.6	0
29/04/2023 04:10	2	84	15	3	0
29/04/2023 04:20	1.7	88	13	2.3	0
29/04/2023 04:30	2	83	11	3.1	0
29/04/2023 04:40	2.2	89	13	2.9	0
29/04/2023 04:50	2.3	92	14	3.2	0
29/04/2023 05:00	2.7	97	14	3.9	0
29/04/2023 05:10	3	89	11	4.8	0
29/04/2023 05:20	3.3	93	11	5	0
29/04/2023 05:30	3	93	12	4.3	0
29/04/2023 05:40	3.2	102	12	4.6	0
29/04/2023 05:50	3.1	102	14	5.2	0
29/04/2023 06:00	3.5	92	13	5.2	0
29/04/2023 06:10	3.5	97	11	5.2	0
29/04/2023 06:20	4.4	100	13	6.4	0
29/04/2023 06:30	4.6	101	13	6.9	0
29/04/2023 06:40	6	102	12	8	0
29/04/2023 06:50	6	100	11	8.1	0
29/04/2023 07:00	5.8	102	13	7.9	0
29/04/2023 07:10	6.1	100	11	8.6	0
29/04/2023 07:20	6.1	105	12	8.3	0
29/04/2023 07:30	5.8	103	12	7.7	0
29/04/2023 07:40	6.5	106	12	8.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/04/2023 07:50	6.4	105	14	8.9	0
29/04/2023 08:00	6.7	105	12	9.6	0
29/04/2023 08:10	6.2	103	12	8.8	0
29/04/2023 08:20	7	104	12	9.9	0
29/04/2023 08:30	7	103	13	9.2	0
29/04/2023 08:40	7.4	104	12	10.3	0
29/04/2023 08:50	7.2	101	12	9.5	0
29/04/2023 09:00	7.5	104	12	10.6	0
29/04/2023 09:10	7.3	104	12	9.9	0
29/04/2023 09:20	6.5	106	12	9.4	0
29/04/2023 09:30	6.8	99	11	10	0
29/04/2023 09:40	7	103	12	10	0
29/04/2023 09:50	6.8	98	14	9.4	0
29/04/2023 10:00	7.3	95	13	9.9	0
29/04/2023 10:10	6.7	100	14	9.9	0
29/04/2023 10:20	6.6	93	11	9.2	0
29/04/2023 10:30	6.2	98	11	8.8	0
29/04/2023 10:40	6.8	93	15	9.5	0
29/04/2023 10:50	6.5	89	12	9.5	0
29/04/2023 11:00	6.6	89	11	9.1	0
29/04/2023 11:10	6.6	78	12	9.1	0
29/04/2023 11:20	7.2	84	12	9.9	0
29/04/2023 11:30	6.7	87	14	9.3	0
29/04/2023 11:40	7.2	79	11	10	0
29/04/2023 11:50	7.3	80	12	10.1	0
29/04/2023 12:00	7.5	78	10	10.1	0
29/04/2023 12:10	7.7	83	13	10.3	0
29/04/2023 12:20	7.3	86	11	9.7	0
29/04/2023 12:30	5.7	85	11	7.5	0
29/04/2023 12:40	6.1	78	12	7.6	0
29/04/2023 12:50	6.3	76	14	9.1	0
29/04/2023 13:00	6.5	68	12	8.6	0
29/04/2023 13:10	7.2	71	10	9.5	0
29/04/2023 13:20	6.8	78	12	9.5	0
29/04/2023 13:30	6.6	77	10	9.1	0
29/04/2023 13:40	5.9	81	14	8.8	0
29/04/2023 13:50	6.2	78	12	9.5	0
29/04/2023 14:00	5.8	74	14	8.4	0
29/04/2023 14:10	5.7	72	13	7.9	0
29/04/2023 14:20	5.5	67	15	8.1	0
29/04/2023 14:30	5.6	72	11	8.1	0
29/04/2023 14:40	5.6	69	12	7.6	0
29/04/2023 14:50	6	70	12	8.2	0
29/04/2023 15:00	5.3	69	12	7.1	0
29/04/2023 15:10	5.7	61	12	7.5	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/04/2023 15:20	5.7	64	10	8.4	0
29/04/2023 15:30	5.7	63	11	7.8	0
29/04/2023 15:40	5.9	57	11	7.9	0
29/04/2023 15:50	6.3	64	11	8.5	0
29/04/2023 16:00	6.2	60	11	8.4	0
29/04/2023 16:10	6.2	64	10	8.6	0
29/04/2023 16:20	6.1	64	12	7.8	0
29/04/2023 16:30	5.6	68	11	7.6	0
29/04/2023 16:40	5	58	12	7	0
29/04/2023 16:50	4.8	53	12	6.8	0
29/04/2023 17:00	4.3	36	16	6.4	0
29/04/2023 17:10	4.3	39	13	5.8	0
29/04/2023 17:20	3.9	40	13	5.4	0
29/04/2023 17:30	4	41	11	5.2	0
29/04/2023 17:40	4	40	13	5.4	0
29/04/2023 17:50	3.3	38	14	5.2	0
29/04/2023 18:00	2.5	25	17	3.7	0
29/04/2023 18:10	2.8	22	19	4.2	0
29/04/2023 18:20	2.7	11	16	4.2	0
29/04/2023 18:30	2.9	12	17	3.9	0
29/04/2023 18:40	2.9	2	17	4.1	0
29/04/2023 18:50	2.5	12	16	3.8	0
29/04/2023 19:00	2.5	15	18	4.1	0
29/04/2023 19:10	2.7	12	16	4.1	0
29/04/2023 19:20	2.9	6	18	4.5	0
29/04/2023 19:30	2.7	7	19	3.8	0
29/04/2023 19:40	2.9	12	16	4.1	0
29/04/2023 19:50	2.3	29	19	3.8	0
29/04/2023 20:00	2.1	39	18	3.3	0
29/04/2023 20:10	2.1	41	15	3.3	0
29/04/2023 20:20	2.3	43	14	3.3	0
29/04/2023 20:30	1.9	49	15	2.9	0
29/04/2023 20:40	2	62	12	2.7	0
29/04/2023 20:50	2.1	64	12	2.8	0
29/04/2023 21:00	1.7	69	11	2.2	0
29/04/2023 21:10	1.8	76	10	2.4	0
29/04/2023 21:20	1.5	66	8	2.1	0
29/04/2023 21:30	0.9	61	4	1.2	0
29/04/2023 21:40	0.2	171	9	0.6	0
29/04/2023 21:50	0.6	168	17	1	0
29/04/2023 22:00	0.9	193	19	1.4	0
29/04/2023 22:10	0.8	217	19	1.2	0
29/04/2023 22:20	0.4	139	20	1.1	0
29/04/2023 22:30	0.8	95	24	1.6	0
29/04/2023 22:40					0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/04/2023 22:50	0.3	113	2	0.8	0
29/04/2023 23:00	0.2	127	8	0.7	0
29/04/2023 23:10	0.3	190	17	0.8	0
29/04/2023 23:20	0.3	50	9	0.8	0
29/04/2023 23:30	0.3	71	8	0.8	0
29/04/2023 23:40	0.8	119	20	1.3	0
29/04/2023 23:50	0.5	121	19	1.2	0
30/04/2023 00:00	0.7	135	17	1.2	0
30/04/2023 00:10	1.1	105	13	1.6	0
30/04/2023 00:20	1.2	102	12	1.5	0
30/04/2023 00:30	1.3	95	11	1.6	0
30/04/2023 00:40	0.8	104	9	1.5	0
30/04/2023 00:50	1	119	18	1.7	0
30/04/2023 01:00	1.4	117	17	2.4	0
30/04/2023 01:10	2.1	122	16	3.1	0
30/04/2023 01:20	2.7	99	13	4.7	0
30/04/2023 01:30	2.8	93	14	4.3	0
30/04/2023 01:40	3.2	97	14	4.7	0
30/04/2023 01:50	3.5	97	13	5.4	0
30/04/2023 02:00	3.6	100	12	5.1	0
30/04/2023 02:10	3.9	100	11	5.4	0
30/04/2023 02:20	3	96	12	4.2	0
30/04/2023 02:30	3	97	14	4.2	0
30/04/2023 02:40	3.1	98	12	4.8	0
30/04/2023 02:50	3.2	99	12	4.4	0
30/04/2023 03:00	3	98	11	4.2	0
30/04/2023 03:10	2.8	100	13	4	0
30/04/2023 03:20	3.5	105	14	5.1	0
30/04/2023 03:30	3.5	106	9	4.9	0
30/04/2023 03:40	3.6	101	11	4.9	0
30/04/2023 03:50	3.6	100	11	5.4	0
30/04/2023 04:00	3.4	96	11	5.2	0
30/04/2023 04:10	3.8	100	11	6	0
30/04/2023 04:20	5.3	99	11	7.5	0
30/04/2023 04:30	5.4	101	12	7	0
30/04/2023 04:40	5.4	97	11	7.2	0
30/04/2023 04:50	5	101	11	6.7	0
30/04/2023 05:00	5.6	102	11	7.7	0
30/04/2023 05:10	5.6	104	10	8.2	0
30/04/2023 05:20	5.9	102	12	7.8	0
30/04/2023 05:30	5.6	104	13	8	0
30/04/2023 05:40	6	102	11	8.2	0
30/04/2023 05:50	6.1	106	10	8	0
30/04/2023 06:00	6.3	102	10	9	0
30/04/2023 06:10	5.7	103	11	7.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/04/2023 06:20	5.6	102	11	7.8	0
30/04/2023 06:30	6	99	11	8.3	0
30/04/2023 06:40	5.9	98	12	9	0
30/04/2023 06:50	6	103	12	8.5	0
30/04/2023 07:00	7	104	12	9.9	0
30/04/2023 07:10	7.7	105	10	10.3	0
30/04/2023 07:20	7.7	103	10	9.8	0
30/04/2023 07:30	7.5	104	9	10.5	0
30/04/2023 07:40	7.4	101	10	9.9	0
30/04/2023 07:50	7.9	102	10	10.7	0
30/04/2023 08:00	7.3	103	11	10.5	0
30/04/2023 08:10	6.6	105	12	9.4	0
30/04/2023 08:20	7.2	106	11	9.6	0
30/04/2023 08:30	7.2	107	13	9.2	0
30/04/2023 08:40	7.3	103	8	9.9	0
30/04/2023 08:50	6.7	101	12	10.2	0
30/04/2023 09:00	7.7	101	10	10.8	0
30/04/2023 09:10	7.5	102	11	9.4	0
30/04/2023 09:20	7.5	105	11	9.9	0
30/04/2023 09:30	7.7	99	14	10.8	0
30/04/2023 09:40	7.1	93	13	9.9	0
30/04/2023 09:50	7.3	96	13	10.2	0
30/04/2023 10:00	7.7	96	11	10.6	0
30/04/2023 10:10	7.6	96	12	10.3	0
30/04/2023 10:20	7.2	97	12	9.7	0
30/04/2023 10:30	6.9	97	14	8.9	0
30/04/2023 10:40	7.3	97	13	9.9	0
30/04/2023 10:50	6.3	91	15	9.5	0
30/04/2023 11:00	6.3	94	12	8.8	0
30/04/2023 11:10	6.4	98	15	8.7	0
30/04/2023 11:20	6.1	94	13	8.3	0
30/04/2023 11:30	6.2	99	11	8.6	0
30/04/2023 11:40	5.7	92	16	7.7	0
30/04/2023 11:50	5.8	87	15	8.3	0
30/04/2023 12:00	5.7	87	13	7.9	0
30/04/2023 12:10	5.6	80	14	7.4	0
30/04/2023 12:20	5.9	89	12	7.9	0
30/04/2023 12:30	5.4	89	14	7.9	0
30/04/2023 12:40	5.4	93	12	7.9	0
30/04/2023 12:50	5.8	77	13	8.1	0
30/04/2023 13:00	5.8	77	12	7.7	0
30/04/2023 13:10	5.7	80	11	7.9	0
30/04/2023 13:20	5.6	84	14	7.6	0
30/04/2023 13:30	5.7	86	12	7.8	0
30/04/2023 13:40	5.7	91	13	7.7	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/04/2023 13:50	5.3	87	15	7	0
30/04/2023 14:00	5.3	84	12	6.8	0
30/04/2023 14:10	5	76	12	6.4	0
30/04/2023 14:20	5	79	13	6.9	0
30/04/2023 14:30	4.9	78	12	7.4	0
30/04/2023 14:40	4.7	82	11	6.5	0
30/04/2023 14:50	5.1	74	11	6.7	0
30/04/2023 15:00	4.1	77	12	5.9	0
30/04/2023 15:10	4.1	78	11	5.6	0
30/04/2023 15:20	4.3	75	12	6	0
30/04/2023 15:30	4	70	13	5.4	0
30/04/2023 15:40	3.4	67	12	4.6	0
30/04/2023 15:50	3.9	73	12	5.2	0
30/04/2023 16:00	3.6	71	11	4.6	0
30/04/2023 16:10	3.5	72	13	4.7	0
30/04/2023 16:20	3.2	73	12	4.4	0
30/04/2023 16:30	3.2	77	12	4.1	0
30/04/2023 16:40	2.7	91	13	3.9	0
30/04/2023 16:50	2.7	82	11	3.5	0
30/04/2023 17:00	2.9	79	12	4	0
30/04/2023 17:10	3.2	80	11	4	0
30/04/2023 17:20	3.1	75	11	3.8	0
30/04/2023 17:30	2.9	80	10	4	0
30/04/2023 17:40	2.6	85	11	3.6	0
30/04/2023 17:50	2.6	72	8	3.5	0
30/04/2023 18:00	2.1	69	8	2.8	0
30/04/2023 18:10	2.3	69	10	3.1	0
30/04/2023 18:20	2.4	64	12	3.5	0
30/04/2023 18:30	2	61	14	3	0
30/04/2023 18:40	1.5	75	19	2.4	0
30/04/2023 18:50	1.3	92	19	2	0
30/04/2023 19:00	1.5	107	17	2.3	0
30/04/2023 19:10	1.2	107	10	1.8	0
30/04/2023 19:20	1.3	88	12	2	0
30/04/2023 19:30	1.8	79	11	2.7	0
30/04/2023 19:40	1.7	82	12	2.4	0
30/04/2023 19:50	1.2	97	17	1.8	0
30/04/2023 20:00	0.7	149	38	1.2	0
30/04/2023 20:10	0.9	229	11	1.2	0
30/04/2023 20:20	1.1	235	10	1.5	0
30/04/2023 20:30	1.4	240	10	1.9	0
30/04/2023 20:40	0.4	185	10	0.9	0
30/04/2023 20:50	0.7	201	22	1.2	0
30/04/2023 21:00	1.1	243	8	1.4	0
30/04/2023 21:10	0.7	245	7	1	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/04/2023 21:20	0.1	225	5	0.6	0
30/04/2023 21:30	1.5	245	9	2.3	0
30/04/2023 21:40	2.3	254	11	3.1	0
30/04/2023 21:50	1.8	243	12	2.5	0
30/04/2023 22:00	1.8	245	12	2.4	0
30/04/2023 22:10	1.9	231	11	2.5	0
30/04/2023 22:20	2	234	11	3.2	0
30/04/2023 22:30	2.5	241	11	3.5	0
30/04/2023 22:40	2	231	17	2.9	0
30/04/2023 22:50	1.9	231	15	2.8	0
30/04/2023 23:00	1.6	234	18	2.3	0
30/04/2023 23:10	0.9	229	32	1.6	0
30/04/2023 23:20	1.6	232	14	2.3	0
30/04/2023 23:30	1.5	246	15	2.1	0
30/04/2023 23:40	1.3	243	11	2.1	0
30/04/2023 23:50	1.5	245	13	2	0
01/05/2023 00:00	1.8	248	10	2.4	0
01/05/2023 00:20	1.66476	229.0244	12.05141	2.27725	0
01/05/2023 00:30	1.213382	230.0945	13.90338	1.71802	0
01/05/2023 00:40	0.9923525	239.4749	10.08205	1.39846	0
01/05/2023 00:50	1.303923	236.8289	12.21592	1.95769	0
01/05/2023 01:00	0.940424	231.6334	14.99722	1.55824	0
01/05/2023 01:10	1.290609	227.1829	14.29804	1.8778	0
01/05/2023 01:20	1.365172	242.7635	10.607	1.71802	0
01/05/2023 01:30	0.5871055	260.7964	22.63813	1.15879	0
01/05/2023 01:40	0.7662886	19.06141	9.977177	1.15879	0
01/05/2023 01:50	0.4805472	229.1989	5.681367	0.99901	0
01/05/2023 02:00	0.6923968	242.1523	10.16101	0.99901	0
01/05/2023 02:10	0.406985	109.4327	4.538646	0.9191201	0
01/05/2023 02:20	0.7193949	113.6647	20.03829	0.99901	0
01/05/2023 02:30	0.29978	195.679	16.30112	0.9191201	0
01/05/2023 02:40					0
01/05/2023 02:50	0.4049813	48.81647	3.174459	0.9191201	0
01/05/2023 03:00	0.4486553	50.14559	5.220746	0.75934	0
01/05/2023 03:10					0
01/05/2023 03:20	0.1525401	198.3201	3.113647	0.83923	0
01/05/2023 03:30	0.3923	65.68325	4.508875	1.39846	0
01/05/2023 03:40					0
01/05/2023 03:50	0.2097947	89.12552	1.846805	1.39846	0
01/05/2023 04:00	0.7879223	108.316	14.04849	1.0789	0
01/05/2023 04:10	1.622152	71.37408	9.176037	2.11747	0
01/05/2023 04:20	1.419765	75.85441	10.79325	1.79791	0
01/05/2023 04:30	1.499654	85.14777	10.88275	1.95769	0
01/05/2023 04:40	1.631473	86.36575	14.23055	2.6767	0
01/05/2023 04:50	1.667423	93.00148	11.2079	2.35714	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/05/2023 05:00	1.847176	94.71635	11.4334	2.75659	0
01/05/2023 05:10	1.720683	92.7336	10.19486	2.59681	0
01/05/2023 05:20	2.046901	106.7385	11.51221	2.83648	0
01/05/2023 05:30	1.73533	118.6516	11.26427	2.6767	0
01/05/2023 05:40	2.169398	128.864	15.59029	2.99626	0
01/05/2023 05:50	2.361135	134.1383	15.136	3.15604	0
01/05/2023 06:00	2.335836	120.5315	16.47036	3.79516	0
01/05/2023 06:10	2.966967	96.40118	10.65705	4.35439	0
01/05/2023 06:20	2.736618	88.56331	11.65985	3.95494	0
01/05/2023 06:30	2.752595	93.73388	9.86788	3.95494	0
01/05/2023 06:40	3.409025	97.97818	11.65301	4.67395	0
01/05/2023 06:50	2.913706	94.1703	12.21799	4.43428	0
01/05/2023 07:00	2.258609	95.61638	15.03689	3.55549	0
01/05/2023 07:10	2.691347	95.51083	14.39216	3.79516	0
01/05/2023 07:20	3.078814	94.94087	11.54497	4.59406	0
01/05/2023 07:30	2.887077	97.6305	12.66607	4.43428	0
01/05/2023 07:40	3.092128	101.4321	10.89223	4.19461	0
01/05/2023 07:50	3.210631	95.56981	12.47968	4.59406	0
01/05/2023 08:00	3.793829	98.06964	10.00821	5.0734	0
01/05/2023 08:10	2.879088	99.76807	11.92321	3.95494	0
01/05/2023 08:20	3.241256	98.74547	9.572426	4.35439	0
01/05/2023 08:30	3.518208	95.55951	10.00156	4.51417	0
01/05/2023 08:40	3.270549	96.38647	11.78503	4.75384	0
01/05/2023 08:50	3.755216	97.77025	11.10332	4.91362	0
01/05/2023 09:00	3.651359	103.5773	11.95518	4.75384	0
01/05/2023 09:10	3.480926	105.6027	11.08939	4.67395	0
01/05/2023 09:20	3.600761	103.8193	11.23707	4.91362	0
01/05/2023 09:30	3.681983	101.8197	9.529739	4.67395	0
01/05/2023 09:40	3.884371	99.82671	12.55916	5.0734	0
01/05/2023 09:50	3.797823	114.7698	12.26139	5.31307	0
01/05/2023 10:00	4.556778	107.1591	11.09558	5.792411	0
01/05/2023 10:10	3.97225	109.4178	12.09841	5.552741	0
01/05/2023 10:20	3.500899	113.9319	14.18776	5.472851	0
01/05/2023 10:30	3.423672	107.3099	16.00344	5.0734	0
01/05/2023 10:40	3.785841	104.3484	13.48749	5.39296	0
01/05/2023 10:50	3.69796	112.3081	12.24501	4.99351	0
01/05/2023 11:00	3.693966	102.9573	13.60413	4.99351	0
01/05/2023 11:10	3.94695	89.63721	18.53248	5.712521	0
01/05/2023 11:20	3.427666	87.74345	14.54455	4.83373	0
01/05/2023 11:30	3.455627	89.05606	12.10868	4.91362	0
01/05/2023 11:40	3.28919	83.10132	11.06793	4.43428	0.1
01/05/2023 11:50	2.920365	86.65523	17.12816	4.2745	0
01/05/2023 12:00	2.815176	92.3432	15.35165	4.11472	0
01/05/2023 12:10	3.122752	88.45944	18.34087	4.19461	0
01/05/2023 12:20	3.096123	82.6991	14.80451	4.43428	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/05/2023 12:30	2.875093	91.38788	15.58783	4.11472	0
01/05/2023 12:40	2.748601	89.12965	14.94182	4.51417	0
01/05/2023 12:50	3.041531	66.68427	16.87683	3.95494	0
01/05/2023 13:00	3.735243	66.68773	12.95512	5.39296	0
01/05/2023 13:10	3.277206	69.94772	13.51367	4.75384	0
01/05/2023 13:20	2.75659	75.81244	19.66119	4.03483	0
01/05/2023 13:30	2.675369	72.99792	20.02826	4.19461	0
01/05/2023 13:40	2.555534	80.93475	29.44172	4.35439	0
01/05/2023 13:50	2.036249	92.98866	35.2428	4.2745	0
01/05/2023 14:00	2.568849	77.01194	19.32417	3.87505	0
01/05/2023 14:10	2.917701	78.17485	16.93687	4.59406	0
01/05/2023 14:20	2.112144	90.29372	27.5196	3.31582	0
01/05/2023 14:30	2.414394	73.32876	22.30672	3.87505	0
01/05/2023 14:40	2.066873	85.67087	24.12854	3.39571	0
01/05/2023 14:50	1.466697	93.00218	32.18829	2.83648	0
01/05/2023 15:00	1.361178	87.63553	29.54369	2.27725	0
01/05/2023 15:10	1.455714	126.3925	28.6498	2.19736	0
01/05/2023 15:20	1.687396	105.2786	24.05058	2.91637	0
01/05/2023 15:30	2.013613	191.9466	35.84614	2.99626	0
01/05/2023 15:40	2.855121	291.5784	16.58237	4.03483	0
01/05/2023 15:50	3.149383	296.4572	9.440575	3.95494	0
01/05/2023 16:00	2.536892	298.927	13.86394	3.55549	0
01/05/2023 16:10	1.675741	253.9832	46.87977	2.99626	0
01/05/2023 16:20	1.965679	302.9125	35.95451	3.07615	0
01/05/2023 16:30	3.225278	291.8062	10.87008	3.95494	0
01/05/2023 16:40	2.935011	287.3246	15.78254	4.19461	0
01/05/2023 16:50	2.271924	288.3805	13.23197	3.31582	0
01/05/2023 17:00	1.912418	306.3082	14.67796	2.6767	0
01/05/2023 17:10	2.009619	296.0132	11.13174	2.75659	0
01/05/2023 17:20	2.166735	294.4946	14.92763	2.83648	0
01/05/2023 17:30	2.353146	287.0222	11.71144	3.4756	0
01/05/2023 17:40	2.121464	288.6698	15.30451	3.07615	0
01/05/2023 17:50	2.345156	284.2693	12.93666	3.23593	0
01/05/2023 18:00	2.106817	284.8284	14.28567	3.31582	0
01/05/2023 18:10	2.49961	279.067	16.0363	3.63538	0
01/05/2023 18:20	3.106774	266.1451	11.15353	4.11472	0
01/05/2023 18:30	3.515546	261.4663	9.79751	4.83373	0
01/05/2023 18:40	3.486252	260.4016	10.51083	4.59406	0
01/05/2023 18:50	3.606087	257.4335	10.85629	4.99351	0
01/05/2023 19:00	3.595436	256.3837	10.16406	4.59406	0
01/05/2023 19:10	2.98694	262.3472	11.0637	4.19461	0
01/05/2023 19:20	2.703331	256.942	11.69706	3.55549	0
01/05/2023 19:30	2.350482	247.5491	13.10683	3.63538	0
01/05/2023 19:40	2.636755	261.7932	8.960535	3.63538	0
01/05/2023 19:50	2.761916	257.0875	11.72298	3.71527	0



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/05/2023 20:00	2.966968	253.9521	11.90423	4.11472	0
01/05/2023 20:10	2.92569	255.804	11.86312	4.19461	0
01/05/2023 20:20	3.378401	249.3782	8.850899	4.19461	0
01/05/2023 20:30	3.190659	248.7041	10.14089	4.19461	0
01/05/2023 20:40	2.40108	248.9868	12.93014	3.23593	0
01/05/2023 20:50	3.239925	248.2195	9.706388	4.35439	0
01/05/2023 21:00	2.821834	247.9659	11.9095	3.63538	0
01/05/2023 21:10	2.443687	244.2439	11.59525	3.15604	0
01/05/2023 21:20	1.836524	251.6882	14.94743	2.51692	0
01/05/2023 21:30	1.773943	254.4163	12.29681	2.35714	0
01/05/2023 21:40	1.503649	251.9865	12.5244	2.27725	0
01/05/2023 21:50	0.7235652	256.8245	11.39593	1.31857	0
01/05/2023 22:00	1.626147	258.7582	9.020782	2.11747	0
01/05/2023 22:10	0.8474846	267.2195	9.728089	1.31857	0
01/05/2023 22:20	1.108193	271.4466	10.77991	1.39846	0
01/05/2023 22:30	1.21205	275.1348	9.744336	1.55824	0
01/05/2023 22:40	1.14148	284.3491	5.109524	1.47835	0
01/05/2023 22:50	1.426422	268.2581	11.2419	2.19736	0
01/05/2023 23:00	1.515632	278.3423	12.34725	2.19736	0
01/05/2023 23:10	1.0789	269.4215	11.52545	1.39846	0
01/05/2023 23:20	1.046944	288.3912	14.15472	1.39846	0
01/05/2023 23:30	1.192078	314.7335	14.11808	1.8778	0
01/05/2023 23:40	1.600848	329.4289	14.25144	2.03758	0
01/05/2023 23:50	1.23868	345.1984	15.05552	1.71802	0
02/05/2023 00:00	0.7733015	343.7933	38.54778	1.15879	0
02/05/2023 00:10	0.5262247	297.5045	13.42457	1.23868	0
02/05/2023 00:20	0.3387232	265.556	7.89338	0.83923	0
02/05/2023 00:30					0
02/05/2023 00:40					0
02/05/2023 00:50	0.101271	234.9038	1.917608	0.59956	0
02/05/2023 01:00					0
02/05/2023 01:10	0.6604022	296.8345	8.602032	1.23868	0
02/05/2023 01:20	0.2918167	298.4628	0.9282035	0.59956	0
02/05/2023 01:30	0.4159758	259.0987	10.2611	1.15879	0
02/05/2023 01:40	0.4359355	326.6109	3.285429	0.99901	0
02/05/2023 01:50	0.8834863	188.1734	26.96453	1.31857	0
02/05/2023 02:00	0.377996	105.4839	18.35033	1.15879	0
02/05/2023 02:10	0.287073	306.3327	2.322066	0.9191201	0
02/05/2023 02:20	0.1958717	264.599	38.42997	0.75934	0
02/05/2023 02:30					0
02/05/2023 02:40	0.6257319	55.55137	6.209511	1.31857	0
02/05/2023 02:50	0.111923	48.24067	7.545058	0.75934	0
02/05/2023 03:00					0
02/05/2023 03:10					0
02/05/2023 03:20					0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/05/2023 03:30	0.5422029	180.4129	11.89837	1.0789	0
02/05/2023 03:40					0
02/05/2023 03:50					0
02/05/2023 04:00	0.5984042	48.06702	3.961355	1.31857	0
02/05/2023 04:10	0.412311	52.05051	8.100316	0.9191201	0
02/05/2023 04:20					0
02/05/2023 04:30					0
02/05/2023 04:40					0
02/05/2023 04:50	0.2660987	288.9664	1.477555	0.99901	0
02/05/2023 05:00	0.3746738	297.0554	1.066194	1.15879	0
02/05/2023 05:10					0
02/05/2023 05:20					0
02/05/2023 05:30					0
02/05/2023 05:40					0
02/05/2023 05:50	0.8278673	101.1395	12.07948	1.23868	0
02/05/2023 06:00					0
02/05/2023 06:10	0.6060379	102.48	7.512016	1.71802	0
02/05/2023 06:20	0.007329667	122.7298	0.002553889	0.43978	0
02/05/2023 06:30	0.007329667	112.6264	0	0.43978	0
02/05/2023 06:40	0.1152582	118.8605	3.945516	0.67945	0
02/05/2023 06:50	0.5368769	115.6246	7.442913	1.39846	0
02/05/2023 07:00	0.5394757	107.743	5.664436	1.47835	0
02/05/2023 07:10	1.406449	106.1604	9.412932	1.95769	0
02/05/2023 07:20	1.767286	123.2132	14.88823	2.51692	0
02/05/2023 07:30	1.833861	137.054	16.94897	2.6767	0
02/05/2023 07:40	1.896441	111.5182	11.09684	2.51692	0
02/05/2023 07:50	1.753971	93.07449	12.86156	2.27725	0
02/05/2023 08:00	1.920408	117.761	13.60046	2.6767	0
02/05/2023 08:10	2.687351	121.263	13.7277	4.19461	0
02/05/2023 08:20	1.745982	114.4366	11.71643	2.6767	0
02/05/2023 08:30	1.474355	114.572	13.76353	2.11747	0
02/05/2023 08:40	2.631429	101.414	13.30953	4.03483	0
02/05/2023 08:50	3.451633	96.29581	12.12523	4.91362	0
02/05/2023 09:00	3.632718	95.05972	13.06083	4.83373	0
02/05/2023 09:10	3.680652	96.93393	12.9709	5.31307	0
02/05/2023 09:20	3.309163	93.91187	10.08123	4.43428	0
02/05/2023 09:30	2.904387	107.2368	13.23373	3.87505	0
02/05/2023 09:40	3.096123	102.9594	13.78988	4.43428	0
02/05/2023 09:50	3.470274	103.1981	11.67905	4.51417	0
02/05/2023 10:00	4.006869	103.8465	10.73916	5.31307	0
02/05/2023 10:10	3.992221	98.0087	11.64819	5.31307	0
02/05/2023 10:20	3.460953	98.0926	11.06914	4.83373	0
02/05/2023 10:30	3.301173	91.3881	12.99216	4.35439	0
02/05/2023 10:40	3.851084	97.30289	12.67988	5.153291	0
02/05/2023 10:50	3.426335	91.26183	13.39833	4.67395	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/05/2023 11:00	3.847088	91.70295	15.79697	5.55274	0
02/05/2023 11:10	4.628678	97.24783	12.33805	6.19186	0
02/05/2023 11:20	4.865686	93.63333	10.75588	6.51142	0
02/05/2023 11:30	4.607375	91.76164	12.99675	6.35164	0
02/05/2023 11:40	5.050764	87.42133	11.97637	6.6712	0
02/05/2023 11:50	4.909626	80.49539	14.4217	7.31032	0
02/05/2023 12:00	5.558067	89.41928	12.58162	7.4701	0
02/05/2023 12:10	6.094662	82.1394	12.82281	8.029331	0
02/05/2023 12:20	5.877626	79.62558	11.4347	8.42878	0
02/05/2023 12:30	5.342363	80.62287	12.52878	6.83098	0
02/05/2023 12:40	5.181252	91.25375	13.00239	7.23043	0
02/05/2023 12:50	5.815046	87.81437	11.12124	7.86955	0
02/05/2023 13:00	5.928225	92.09261	11.57162	7.869551	0
02/05/2023 13:10	4.961555	89.69493	13.95439	6.99076	0
02/05/2023 13:20	5.554071	79.01997	13.41901	7.78966	0
02/05/2023 13:30	5.503474	81.75754	11.3861	7.31032	0
02/05/2023 13:40	5.346358	82.38152	15.3749	7.78966	0
02/05/2023 13:50	5.748471	81.3745	12.33147	7.78966	0
02/05/2023 14:00	5.327717	85.43573	13.56721	7.869551	0
02/05/2023 14:10	5.017477	82.19272	11.13939	6.99076	0
02/05/2023 14:20	5.380977	77.59203	12.65886	7.31032	0
02/05/2023 14:30	5.058754	79.07742	12.00468	6.91087	0
02/05/2023 14:40	5.523446	81.54681	13.62316	7.4701	0
02/05/2023 14:50	5.330381	65.78346	12.62686	7.54999	0
02/05/2023 15:00	4.888323	59.51603	12.26225	6.91087	0
02/05/2023 15:10	5.121334	68.42966	14.09797	6.99076	0
02/05/2023 15:20	5.134649	66.26595	12.01684	7.07065	0
02/05/2023 15:30	5.048103	64.13503	13.52406	7.23043	0
02/05/2023 15:40	5.281115	62.19415	12.53951	7.07065	0
02/05/2023 15:50	5.893605	64.24767	11.53901	7.39021	0
02/05/2023 16:00	5.440895	65.14137	12.01563	7.62988	0
02/05/2023 16:10	5.695212	63.31358	10.015	6.99076	0
02/05/2023 16:20	5.358341	64.88222	12.53489	7.15054	0
02/05/2023 16:30	5.592686	69.58197	9.752567	6.99076	0
02/05/2023 16:40	5.327717	64.96935	11.36159	6.75109	0
02/05/2023 16:50	5.167937	66.89577	11.36269	6.99076	0
02/05/2023 17:00	4.369036	57.6271	11.94981	5.872301	0
02/05/2023 17:10	4.498193	57.48729	10.39848	6.27175	0
02/05/2023 17:20	3.773856	57.60915	11.54275	5.55274	0
02/05/2023 17:30	3.737906	51.13643	13.52799	5.472851	0
02/05/2023 17:40	3.681983	60.34967	11.29127	4.99351	0
02/05/2023 17:50	3.153378	54.22206	12.05213	4.43428	0
02/05/2023 18:00	3.435655	57.4049	10.68266	5.153291	0
02/05/2023 18:10	3.543507	57.39427	12.27154	5.0734	0
02/05/2023 18:20	3.073487	55.8548	10.64147	4.35439	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/05/2023 18:30	2.927022	58.73753	10.95518	3.95494	0
02/05/2023 18:40	2.893735	56.94874	11.53864	4.11472	0
02/05/2023 18:50	2.920365	45.76733	13.45608	4.03483	0
02/05/2023 19:00	2.7739	45.63095	12.49233	3.63538	0
02/05/2023 19:10	2.128122	55.96928	13.27498	2.91637	0
02/05/2023 19:20	1.752639	65.21837	11.3243	2.35714	0
02/05/2023 19:30	1.652776	66.31828	11.28793	2.27725	0
02/05/2023 19:40	1.658103	63.67799	8.375399	2.03758	0
02/05/2023 19:50	1.643456	64.15745	8.067688	2.43703	0
02/05/2023 20:00	2.072198	63.48042	9.280208	3.15604	0
02/05/2023 20:10	2.161409	68.01603	8.221402	3.07615	0
02/05/2023 20:20	2.749933	62.85091	8.915568	3.71527	0
02/05/2023 20:30	2.789878	59.66168	8.652157	3.31582	0
02/05/2023 20:40	3.041531	58.63094	9.976904	4.03483	0
02/05/2023 20:50	2.820502	56.78017	10.17409	3.71527	0
02/05/2023 21:00	2.319858	57.67445	8.577146	3.07615	0
02/05/2023 21:10	2.114807	59.43968	9.581244	2.83648	0
02/05/2023 21:20	1.71802	61.02108	9.727161	2.27725	0
02/05/2023 21:30	1.112187	94.44736	11.32252	1.63813	0
02/05/2023 21:40	0.4166481	104.0195	10.24881	0.99901	0
02/05/2023 21:50	0.8805064	105.122	13.20639	1.31857	0
02/05/2023 22:00	0.847219	75.8645	12.15606	1.23868	0
02/05/2023 22:10	1.301261	50.65133	5.68339	1.55824	0
02/05/2023 22:20	0.7380359	89.93327	11.03382	1.0789	0
02/05/2023 22:30	0.9231144	84.17075	7.112205	1.0789	0
02/05/2023 22:40	0.9217831	92.52228	8.288384	1.15879	0
02/05/2023 22:50	1.306587	101.937	6.416211	1.63813	0
02/05/2023 23:00	1.351858	95.998	7.820763	1.79791	0
02/05/2023 23:10	1.457046	96.36018	7.118044	2.03758	0
02/05/2023 23:20	1.775275	89.72583	7.799772	2.19736	0
02/05/2023 23:30	1.626148	90.35431	7.335091	2.19736	0
02/05/2023 23:40	1.148112	120.3544	19.11121	1.71802	0
02/05/2023 23:50	0.8225157	100.2621	6.010595	1.31857	0
03/05/2023 00:00	1.006999	79.17545	7.063678	1.39846	0
03/05/2023 00:10	1.254658	84.66996	8.230349	1.63813	0
03/05/2023 00:20	1.150801	88.71892	6.964606	1.39846	0
03/05/2023 00:30	1.666091	77.90877	7.03862	2.19736	0
03/05/2023 00:40	1.319901	114.1749	11.0086	2.03758	0
03/05/2023 00:50	1.418432	92.85918	7.529357	1.8778	0
03/05/2023 01:00	1.716688	102.7659	8.50483	2.19736	0
03/05/2023 01:10	2.044238	100.9414	7.668563	2.59681	0
03/05/2023 01:20	2.298554	104.7163	8.90195	2.99626	0
03/05/2023 01:30	1.831198	94.30476	8.797026	2.43703	0
03/05/2023 01:40	1.683401	109.2437	9.947466	2.19736	0
03/05/2023 01:50	1.225365	113.5827	9.59433	1.95769	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/05/2023 02:00	0.871186	129.8498	14.58423	1.39846	0
03/05/2023 02:10	1.859159	135.6302	23.99625	2.6767	0
03/05/2023 02:20	1.759296	143.1833	16.58361	2.51692	0
03/05/2023 02:30	1.318571	140.3746	16.75717	1.95769	0
03/05/2023 02:40	0.8858325	138.1353	14.24941	1.39846	0
03/05/2023 02:50	0.8062724	119.314	26.314	1.31857	0
03/05/2023 03:00	0.6707762	92.0327	11.01032	1.23868	0
03/05/2023 03:10	1.251996	102.9086	7.180364	1.79791	0
03/05/2023 03:20	1.598185	99.4473	8.766279	2.11747	0
03/05/2023 03:30	1.363841	97.15246	8.805351	2.11747	0
03/05/2023 03:40	1.600848	89.11621	10.15602	2.27725	0
03/05/2023 03:50	1.386477	97.57257	12.66206	1.8778	0
03/05/2023 04:00	1.726009	91.00185	8.456812	2.11747	0
03/05/2023 04:10	1.736661	84.3483	12.14397	2.51692	0
03/05/2023 04:20	1.615494	86.14558	16.194	2.51692	0
03/05/2023 04:30	1.306587	91.67406	12.50084	1.71802	0
03/05/2023 04:40	2.185377	79.13022	11.52093	3.15604	0
03/05/2023 04:50	2.59681	85.04553	11.39503	3.39571	0
03/05/2023 05:00	2.58749	87.68021	9.511924	3.23593	0
03/05/2023 05:10	2.740612	93.55609	8.865252	3.4756	0
03/05/2023 05:20	2.574174	94.05814	8.98798	3.15604	0
03/05/2023 05:30	2.594147	92.35081	10.42898	3.79516	0
03/05/2023 05:40	2.600804	95.29634	10.44587	3.55549	0
03/05/2023 05:50	2.723302	94.05629	12.29561	3.55549	0
03/05/2023 06:00	2.835148	90.46564	9.547136	3.71527	0
03/05/2023 06:10	2.988271	90.68251	10.43586	3.71527	0
03/05/2023 06:20	2.548876	92.33344	11.9824	3.71527	0
03/05/2023 06:30	2.599473	94.75253	11.62449	3.55549	0
03/05/2023 06:40	2.691347	96.40036	10.64009	3.55549	0
03/05/2023 06:50	2.893735	91.61267	10.58666	3.79516	0
03/05/2023 07:00	3.25324	92.29932	10.5627	4.35439	0
03/05/2023 07:10	3.101449	94.71257	10.13614	4.03483	0
03/05/2023 07:20	3.355765	100.5305	10.25038	4.91362	0
03/05/2023 07:30	3.18267	102.7644	9.692558	4.51417	0
03/05/2023 07:40	3.021558	99.96985	9.926759	3.87505	0
03/05/2023 07:50	3.373075	97.83282	11.23582	4.67395	0
03/05/2023 08:00	3.389053	90.68342	11.48915	4.59406	0
03/05/2023 08:10	2.823165	98.89246	16.25291	4.67395	0
03/05/2023 08:20	3.982902	91.85802	11.46691	5.712521	0
03/05/2023 08:30	4.025509	93.81411	14.36555	5.872301	0
03/05/2023 08:40	4.71922	86.06134	12.44098	6.27175	0
03/05/2023 08:50	4.676613	89.17696	12.13108	6.35164	0
03/05/2023 09:00	4.812425	90.49741	12.28918	6.35164	0
03/05/2023 09:10	5.165274	96.79442	14.06114	7.949441	0
03/05/2023 09:20	4.77115	94.93962	14.71422	6.6712	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/05/2023 09:30	5.263804	87.47305	10.19097	6.75109	0
03/05/2023 09:40	6.103982	89.83059	9.550423	8.18911	0
03/05/2023 09:50	6.105313	89.78133	11.78847	7.54999	0
03/05/2023 10:00	5.507469	88.05222	12.07473	7.54999	0
03/05/2023 10:10	5.476845	85.8923	12.4895	7.31032	0
03/05/2023 10:20	6.02276	88.65399	10.24536	8.50867	0
03/05/2023 10:30	5.67657	96.98689	14.64262	8.508671	0
03/05/2023 10:40	6.22648	97.15799	13.77756	8.58856	0
03/05/2023 10:50	6.482128	83.85211	12.93488	8.109221	0
03/05/2023 11:00	6.263762	86.11961	11.53791	7.709771	0
03/05/2023 11:10	6.105314	87.77901	11.99022	8.988009	0
03/05/2023 11:20	5.583365	86.89133	13.80069	8.269	0
03/05/2023 11:30	6.295719	92.82285	12.88293	8.34889	0
03/05/2023 11:40	6.142596	88.50787	11.8481	8.10922	0
03/05/2023 11:50	6.568676	84.524	11.35677	8.98801	0
03/05/2023 12:00	6.32368	90.26134	12.67978	8.58856	0
03/05/2023 12:10	5.804395	94.79684	14.92846	7.70977	0
03/05/2023 12:20	5.896267	86.86305	14.03441	7.949441	0
03/05/2023 12:30	5.805726	76.61053	11.62681	8.18911	0
03/05/2023 12:40	6.069362	78.55969	13.06669	8.268999	0
03/05/2023 12:50	6.423542	77.98808	12.30133	8.74834	0
03/05/2023 13:00	6.708484	80.80966	12.03788	8.66845	0
03/05/2023 13:10	6.664543	77.95433	9.185053	8.98801	0
03/05/2023 13:20	6.689843	76.15112	10.80715	9.0679	0
03/05/2023 13:30	6.283735	76.8741	12.8327	8.668449	0
03/05/2023 13:40	6.278408	77.67163	12.24564	8.50867	0
03/05/2023 13:50	5.315734	77.48511	13.51228	7.15054	0
03/05/2023 14:00	5.299755	79.51443	15.86145	6.91087	0
03/05/2023 14:10	4.956228	77.09034	14.6084	6.59131	0
03/05/2023 14:20	4.574087	77.68741	10.85024	6.59131	0
03/05/2023 14:30	4.809763	77.92828	12.49629	6.91087	0
03/05/2023 14:40	5.138643	79.73213	13.61128	7.07065	0
03/05/2023 14:50	4.994842	76.60524	13.16517	6.83098	0
03/05/2023 15:00	4.395666	63.98845	16.79765	5.71252	0
03/05/2023 15:10	5.014815	60.27671	12.58481	7.15054	0
03/05/2023 15:20	5.5341	67.67247	10.7002	7.54999	0
03/05/2023 15:30	5.269131	65.65186	13.2	7.39021	0
03/05/2023 15:40	4.961554	67.1403	13.06538	7.54999	0
03/05/2023 15:50	4.990847	63.7469	11.78066	6.75109	0
03/05/2023 16:00	4.93093	64.62518	10.40551	6.99076	0
03/05/2023 16:10	4.523492	66.19781	12.15341	5.95219	0
03/05/2023 16:20	4.313114	65.73611	10.89041	6.03208	0
03/05/2023 16:30	4.350395	56.90734	13.04438	5.872301	0
03/05/2023 16:40	4.253197	51.22688	10.26223	5.63263	0
03/05/2023 16:50	3.908338	54.48641	11.58952	5.552741	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/05/2023 17:00	3.618071	44.33144	11.88846	4.67395	0
03/05/2023 17:10	3.305168	47.59935	12.39177	4.51417	0
03/05/2023 17:20	3.10278	39.37486	12.91835	4.11472	0
03/05/2023 17:30	3.4756	43.52721	10.99972	4.43428	0
03/05/2023 17:40	3.39571	42.97868	11.46219	4.59406	0
03/05/2023 17:50	3.037537	46.74362	10.63102	4.43428	0
03/05/2023 18:00	2.719308	39.50816	12.69226	4.03483	0
03/05/2023 18:10	1.8778	29.14282	17.37095	2.83648	0
03/05/2023 18:20	2.06421	42.11874	13.77004	2.75659	0
03/05/2023 18:30	1.936386	35.9175	15.92297	2.91637	0
03/05/2023 18:40	1.471693	20.98986	17.84285	2.03758	0
03/05/2023 18:50	1.642125	9.415398	21.46811	2.91637	0
03/05/2023 19:00	1.355852	33.2353	17.67912	2.11747	0
03/05/2023 19:10	1.604842	26.97591	21.26594	2.59681	0
03/05/2023 19:20	1.274631	28.96299	17.86295	1.95769	0
03/05/2023 19:30	1.003005	46.97851	17.64236	1.47835	0
03/05/2023 19:40	0.7809352	37.57963	20.14525	1.47835	0
03/05/2023 19:50	0.9284405	57.71664	16.38853	1.39846	0
03/05/2023 20:00	0.9071237	80.5659	15.01332	1.23868	0
03/05/2023 20:10	1.217376	61.92008	9.901535	1.63813	0
03/05/2023 20:20	1.048275	76.20355	11.24988	1.47835	0
03/05/2023 20:30	1.254658	72.44165	9.24798	1.55824	0
03/05/2023 20:40	1.699379	71.09558	8.455186	2.11747	0
03/05/2023 20:50	1.651445	62.91659	8.358066	2.19736	0
03/05/2023 21:00	1.586201	58.74575	6.244159	2.11747	0
03/05/2023 21:10	1.636799	61.70909	6.83315	1.95769	0
03/05/2023 21:20	1.543593	56.80969	6.524793	1.8778	0
03/05/2023 21:30	1.354521	56.08907	5.15749	1.63813	0
03/05/2023 21:40	1.233355	58.18307	6.794259	1.63813	0
03/05/2023 21:50	0.957734	65.95834	13.75117	1.23868	0
03/05/2023 22:00	0.1772179	122.1559	5.865551	0.67945	0
03/05/2023 22:10					0
03/05/2023 22:20	0.5814502	212.9433	12.11667	1.0789	0
03/05/2023 22:30	0.8302392	230.725	14.14337	1.23868	0
03/05/2023 22:40	0.3364155	183.444	10.10343	0.83923	0
03/05/2023 22:50	0.562124	292.5703	2.94095	1.23868	0
03/05/2023 23:00	0.5304976	282.0922	5.939314	1.0789	0
03/05/2023 23:10					0
03/05/2023 23:20	0.3303404	67.65137	7.038701	1.23868	0
03/05/2023 23:30	0.1125823	74.28432	2.527961	0.75934	0
03/05/2023 23:40					0
03/05/2023 23:50	0.01465933	77.20848	2.480512	0.43978	0
04/05/2023 00:00	0.25352	37.67619	12.5633	0.75934	0
04/05/2023 00:10	0.443659	39.32793	13.82191	1.15879	0
04/05/2023 00:20	0.6181754	68.88541	23.25312	1.15879	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/05/2023 00:30	0.6058494	47.7608	13.39791	1.0789	0
04/05/2023 00:40	0.4276681	62.45716	16.16003	1.15879	0
04/05/2023 00:50	0.4436206	141.1367	12.05458	0.91912	0
04/05/2023 01:00	0.5615672	123.1495	15.68461	0.9191201	0
04/05/2023 01:10	0.3554374	126.2303	16.07811	0.67945	0
04/05/2023 01:20	0.3970436	111.618	10.58748	0.75934	0
04/05/2023 01:30	0.195542	161.2227	9.169015	0.75934	0
04/05/2023 01:40	0.2571592	236.8965	11.71154	0.75934	0
04/05/2023 01:50	0.7313786	262.8628	9.607499	0.99901	0
04/05/2023 02:00	0.7762557	242.786	10.82482	1.23868	0
04/05/2023 02:10	0.4872175	236.2996	15.28992	0.99901	0
04/05/2023 02:20	0.8715156	226.6582	33.48269	1.63813	0
04/05/2023 02:30	0.3774136	198.1822	38.35683	0.8392301	0
04/05/2023 02:40	0.07329667	212.9209	11.17165	0.43978	0
04/05/2023 02:50	0.07328384	169.5007	16.5125	0.8392301	0
04/05/2023 03:00	0.1881738	204.6347	20.17342	1.15879	0
04/05/2023 03:10	0.9071363	197.5433	65.65553	1.47835	0
04/05/2023 03:20	0.4379905	269.0986	14.14489	0.91912	0
04/05/2023 03:30	1.112188	273.2778	21.15992	1.79791	0
04/05/2023 03:40	1.189415	257.2894	35.39745	2.03758	0
04/05/2023 03:50	0.6530725	255.8803	32.43996	1.23868	0
04/05/2023 04:00	0.7150323	256.4112	39.28724	1.15879	0
04/05/2023 04:10	0.5741974	288.9035	40.82383	1.0789	0
04/05/2023 04:20	0.6131021	259.7053	39.86333	1.63813	0
04/05/2023 04:30	1.063517	145.8829	40.82146	2.35714	0
04/05/2023 04:40	1.555577	147.3721	36.52504	2.59681	0
04/05/2023 04:50	1.131462	130.8738	15.07964	1.79791	0
04/05/2023 05:00	0.6058364	67.30824	23.55241	1.15879	0
04/05/2023 05:10	0.1685567	95.68858	8.706931	0.67945	0
04/05/2023 05:20	1.149089	100.2552	10.97218	1.71802	0
04/05/2023 05:30	1.133492	88.34876	19.8626	1.8778	0
04/05/2023 05:40	1.579544	83.54323	12.11475	1.95769	0
04/05/2023 05:50	1.940381	88.85478	9.130935	2.43703	0
04/05/2023 06:00	1.827203	95.04837	10.1503	2.43703	0
04/05/2023 06:10	1.646119	81.04584	9.570997	2.27725	0
04/05/2023 06:20	1.43441	75.91904	9.750254	1.79791	0
04/05/2023 06:30	1.205392	72.47374	11.43239	1.55824	0
04/05/2023 06:40	0.9790375	77.37119	13.64118	1.39846	0
04/05/2023 06:50	1.423759	79.95459	16.84988	2.27725	0
04/05/2023 07:00	1.791252	91.83832	10.35066	2.43703	0
04/05/2023 07:10	2.460998	95.13087	11.11432	3.23593	0
04/05/2023 07:20	2.753927	93.76872	10.7073	3.79516	0
04/05/2023 07:30	2.705993	95.13128	10.56941	3.71527	0
04/05/2023 07:40	3.004249	101.7073	8.755504	3.71527	0
04/05/2023 07:50	2.875093	102.847	10.20469	3.63538	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/05/2023 08:00	2.804524	101.5142	11.72981	3.79516	0
04/05/2023 08:10	3.230604	96.08201	11.93291	4.43428	0
04/05/2023 08:20	3.145388	100.9778	11.8966	4.11472	0
04/05/2023 08:30	3.421009	104.1285	10.11453	4.51417	0
04/05/2023 08:40	3.249246	96.9113	11.65355	4.51417	0
04/05/2023 08:50	2.945663	97.09737	14.06346	4.11472	0
04/05/2023 09:00	2.860447	97.88065	12.20719	3.79516	0
04/05/2023 09:10	3.403698	97.39621	12.43906	4.75384	0
04/05/2023 09:20	3.592773	96.03635	14.07431	5.31307	0
04/05/2023 09:30	3.459622	92.60616	11.17998	4.67395	0
04/05/2023 09:40	3.685977	97.0265	11.63665	4.83373	0
04/05/2023 09:50	3.275876	94.88489	14.29831	4.59406	0
04/05/2023 10:00	3.025553	113.0009	15.80797	4.51417	0
04/05/2023 10:10	3.788503	105.2117	15.6171	6.03208	0
04/05/2023 10:20	4.382351	102.0208	12.89668	6.19186	0
04/05/2023 10:30	4.428954	102.2807	13.3469	6.35164	0
04/05/2023 10:40	4.599386	91.27975	13.35364	6.27175	0
04/05/2023 10:50	4.852371	100.2565	15.66982	6.6712	0
04/05/2023 11:00	4.394335	88.96261	14.09186	6.43153	0
04/05/2023 11:10	4.273169	92.51439	17.51294	6.59131	0
04/05/2023 11:20	5.173263	98.40843	13.01266	7.31032	0
04/05/2023 11:30	4.803105	87.32912	14.00177	6.83098	0
04/05/2023 11:40	4.847047	92.50282	12.17999	7.07065	0
04/05/2023 11:50	4.528817	91.9362	14.07137	6.75109	0
04/05/2023 12:00	5.299756	98.46282	13.4178	7.4701	0
04/05/2023 12:10	5.109352	82.54983	13.81756	6.99076	0
04/05/2023 12:20	5.098699	85.83775	13.46231	6.83098	0
04/05/2023 12:30	5.496818	71.82567	15.94239	7.54999	0
04/05/2023 12:40	5.121335	85.40906	14.21568	6.99076	0
04/05/2023 12:50	5.24117	84.2457	12.6276	7.31032	0
04/05/2023 13:00	4.74452	79.38751	13.77758	6.27175	0
04/05/2023 13:10	4.812427	79.69019	14.39051	6.43153	0
04/05/2023 13:20	4.924271	82.06116	13.8869	7.15054	0
04/05/2023 13:30	4.48621	71.22998	15.69268	6.27175	0
04/05/2023 13:40	4.342406	61.05833	14.2242	5.872301	0
04/05/2023 13:50	4.442269	66.99924	13.30408	6.35164	0
04/05/2023 14:00	5.133317	57.50129	12.67599	7.39021	0
04/05/2023 14:10	5.322391	63.01078	12.44559	7.15054	0
04/05/2023 14:20	5.651271	56.0652	12.7655	7.86955	0
04/05/2023 14:30	5.777764	62.83778	11.07507	7.62988	0
04/05/2023 14:40	5.311739	59.60588	12.29273	7.07065	0
04/05/2023 14:50	4.849709	62.37218	12.46898	6.59131	0
04/05/2023 15:00	4.358385	44.81895	14.52293	6.19186	0
04/05/2023 15:10	4.39833	38.46759	12.44815	6.35164	0
04/05/2023 15:20	3.896355	43.1011	12.9625	4.91362	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/05/2023 15:30	3.36908	29.39231	18.38256	5.0734	0
04/05/2023 15:40	4.142682	42.75408	15.51833	5.63263	0
04/05/2023 15:50	3.761873	46.35651	13.6389	5.15329	0
04/05/2023 16:00	3.646032	46.08594	12.17686	5.31307	0
04/05/2023 16:10	3.270549	32.98168	16.87983	4.51417	0
04/05/2023 16:20	3.250576	184.8873	18.17554	4.99351	0
04/05/2023 16:30	2.948326	352.7015	19.3491	4.03483	0
04/05/2023 16:40	2.65007	354.6423	20.81931	4.2745	0
04/05/2023 16:50	2.298554	1.239929	18.62484	3.31582	0
04/05/2023 17:00	2.182714	351.2993	25.31227	3.55549	0
04/05/2023 17:10	1.867478	35.4788	27.28402	3.07615	0
04/05/2023 17:20	1.787258	18.59392	26.02039	2.6767	0
04/05/2023 17:30	1.968342	9.699046	15.99246	2.91637	0
04/05/2023 17:40	2.365129	14.70163	17.27127	3.71527	0
04/05/2023 17:50	1.82454	16.6128	18.20064	2.75659	0
04/05/2023 18:00	2.209343	7.500088	19.1795	3.31582	0
04/05/2023 18:10	2.089509	16.57706	18.93144	3.31582	0
04/05/2023 18:20	2.229316	20.03141	19.6386	3.31582	0
04/05/2023 18:30	1.852502	16.07936	16.83512	2.75659	0
04/05/2023 18:40	2.101492	183.4567	19.59425	3.15604	0
04/05/2023 18:50	2.69401	3.896817	17.32663	4.19461	0
04/05/2023 19:00	2.532898	6.843237	20.19492	3.95494	0
04/05/2023 19:10	2.683357	10.32175	14.36458	3.71527	0
04/05/2023 19:20	2.182714	9.437862	18.53303	3.23593	0
04/05/2023 19:30	1.839186	27.51752	18.0987	2.59681	0
04/05/2023 19:40	1.044281	73.84151	28.91192	1.63813	0
04/05/2023 19:50	0.9137938	90.90594	23.40602	1.31857	0
04/05/2023 20:00	0.3960034	319.9213	34.98294	0.9191201	0
04/05/2023 20:10	0.1475695	284.8177	6.577409	0.75934	0
04/05/2023 20:20	0.1755567	295.8696	8.617911	0.67945	0
04/05/2023 20:30	0.6839626	274.2957	12.50887	1.55824	0
04/05/2023 20:40	1.466367	288.0225	23.47058	2.11747	0
04/05/2023 20:50	1.213381	283.6078	14.26013	1.71802	0
04/05/2023 21:00	1.431747	277.178	13.74269	2.11747	0
04/05/2023 21:10	2.113475	255.9777	11.18475	2.75659	0
04/05/2023 21:20	1.82454	264.7711	11.07273	2.51692	0
04/05/2023 21:30	2.024265	254.7719	9.968712	2.91637	0
04/05/2023 21:40	1.757965	240.661	7.161386	2.27725	0
04/05/2023 21:50	1.114851	218.0697	14.11003	1.63813	0
04/05/2023 22:00	1.715357	242.631	10.27254	2.19736	0
04/05/2023 22:10	0.7212704	159.3339	29.5494	1.55824	0
04/05/2023 22:20	0.6286862	166.5275	24.84583	1.55824	0
04/05/2023 22:30	0.007329667	117.6989	0.002553889	0.43978	0
04/05/2023 22:40	0.007329667	112.3166	0	0.43978	0
04/05/2023 22:50					0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/05/2023 23:00					0
04/05/2023 23:10					0
04/05/2023 23:20	0.01465933	291.2904	0.2467966	0.43978	0
04/05/2023 23:30	0.6207743	289.0663	3.976963	0.99901	0
04/05/2023 23:40	0.2421188	58.63892	3.429703	1.0789	0
04/05/2023 23:50					0
05/05/2023 00:00					0
05/05/2023 00:10					0
05/05/2023 00:20					0
05/05/2023 00:30					0
05/05/2023 00:40					0
05/05/2023 00:50	0.7788672	111.1763	8.041523	1.63813	0
05/05/2023 01:00	1.228028	109.9642	10.57942	1.63813	0
05/05/2023 01:10	0.723578	82.77412	7.624556	1.55824	0
05/05/2023 01:20	0.6453877	85.72886	13.85406	1.23868	0
05/05/2023 01:30	0.4998348	63.04263	8.628957	1.23868	0
05/05/2023 01:40	1.138817	103.1454	7.659014	1.47835	0
05/05/2023 01:50	0.5867758	103.0206	7.494185	1.23868	0
05/05/2023 02:00	0.2587818	93.88301	4.368691	0.75934	0
05/05/2023 02:10	1.225365	88.34581	8.637666	1.71802	0
05/05/2023 02:20	1.250664	96.63834	10.99634	1.8778	0
05/05/2023 02:30	0.520201	122.7235	16.11646	1.39846	0
05/05/2023 02:40	0.2225017	91.47534	7.538823	0.75934	0
05/05/2023 02:50	0.4802305	102.5551	15.25631	1.23868	0
05/05/2023 03:00					0
05/05/2023 03:10	0.3504283	148.495	18.17263	0.9191201	0
05/05/2023 03:20	0.9942796	129.6308	15.59608	1.71802	0
05/05/2023 03:30	0.8578708	95.94827	16.62398	1.15879	0
05/05/2023 03:40	0.9424152	232.7386	33.18409	1.63813	0
05/05/2023 03:50	0.35304	180.6819	14.70378	1.0789	0
05/05/2023 04:00					0
05/05/2023 04:10	0.5908347	89.73345	16.34396	1.0789	0
05/05/2023 04:20	0.9524074	92.26289	14.53234	1.39846	0
05/05/2023 04:30	0.6733876	91.00386	12.99603	1.31857	0
05/05/2023 04:40	1.169442	87.56374	13.74799	1.8778	0
05/05/2023 04:50	0.6217886	76.902	27.29354	1.39846	0
05/05/2023 05:00	0.4286318	337.6503	31.57756	1.23868	0
05/05/2023 05:10	0.680957	214.6219	17.18522	1.71802	0
05/05/2023 05:20	2.538224	94.20369	13.62281	3.4756	0
05/05/2023 05:30	1.929729	118.5903	12.67253	2.75659	0
05/05/2023 05:40	0.9397389	139.3718	25.57756	1.71802	0
05/05/2023 05:50	0.1775475	153.8956	16.83607	0.75934	0
05/05/2023 06:00	1.165448	112.5902	15.79368	1.79791	0
05/05/2023 06:10	1.992309	99.89395	10.65195	2.91637	0
05/05/2023 06:20	1.880463	104.0014	9.360238	2.6767	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/05/2023 06:30	2.08152	107.0414	8.223296	2.6767	0
05/05/2023 06:40	2.459666	93.33301	11.39873	3.23593	0
05/05/2023 06:50	2.594147	97.07696	8.098475	3.31582	0
05/05/2023 07:00	3.106775	96.96254	10.02923	4.2745	0
05/05/2023 07:10	2.347819	98.45889	8.201384	2.99626	0
05/05/2023 07:20	2.547544	102.5746	9.105205	3.31582	0
05/05/2023 07:30	2.088177	107.1577	9.85498	2.83648	0
05/05/2023 07:40	2.200023	109.8357	9.158361	2.99626	0
05/05/2023 07:50	1.937717	113.6953	8.642042	2.43703	0
05/05/2023 08:00	2.359802	99.99577	9.858301	2.91637	0
05/05/2023 08:10	2.421052	92.51048	12.09855	2.99626	0
05/05/2023 08:20	2.723302	86.27876	10.81651	3.71527	0
05/05/2023 08:30	2.787215	95.13017	9.765172	3.87505	0
05/05/2023 08:40	2.825828	84.77846	8.688971	3.95494	0
05/05/2023 08:50	3.128079	90.64872	11.14013	4.03483	0
05/05/2023 09:00	2.446351	95.90308	13.91547	3.87505	0
05/05/2023 09:10	3.554158	99.86545	11.45797	4.67395	0
05/05/2023 09:20	3.149383	105.2223	12.1444	4.2745	0
05/05/2023 09:30	3.057509	101.9056	11.89334	4.19461	0
05/05/2023 09:40	3.285195	103.1602	9.657674	4.19461	0
05/05/2023 09:50	3.094791	99.87597	12.72581	4.2745	0
05/05/2023 10:00	3.973582	93.03563	15.08717	5.23318	0
05/05/2023 10:10	3.43965	107.8099	12.85268	4.75384	0
05/05/2023 10:20	3.419677	108.8786	13.10913	4.59406	0
05/05/2023 10:30	3.777851	100.605	11.98545	4.99351	0
05/05/2023 10:40	3.869725	94.06935	13.28619	5.472851	0
05/05/2023 10:50	3.773857	99.73262	11.85756	4.75384	0.1
05/05/2023 11:00	4.821747	80.4915	10.56777	6.27175	0
05/05/2023 11:10	3.594103	77.65462	11.10252	5.71252	0.2
05/05/2023 11:20	3.195986	89.617	11.43593	4.19461	0.2
05/05/2023 11:30	3.141394	89.71144	10.64	4.03483	0
05/05/2023 11:40	2.5795	85.6626	13.66777	3.4756	0
05/05/2023 11:50	2.634092	90.22601	11.61643	3.71527	0
05/05/2023 12:00	2.839143	82.00246	10.78038	3.95494	0
05/05/2023 12:10	3.133405	84.09637	10.49851	4.11472	0
05/05/2023 12:20	3.994885	86.0752	9.710308	5.31307	0
05/05/2023 12:30	3.382396	79.29524	15.53665	4.833731	0
05/05/2023 12:40	2.208012	81.20667	16.40759	3.39571	0
05/05/2023 12:50	2.634091	92.58513	9.991728	3.23593	0
05/05/2023 13:00	2.759253	91.6367	13.06859	3.87505	0
05/05/2023 13:10	2.915039	92.42503	11.88788	4.03483	0
05/05/2023 13:20	3.27987	86.86973	11.78247	4.43428	0
05/05/2023 13:30	2.887077	84.69635	14.15376	3.79516	0
05/05/2023 13:40	2.612788	79.78818	14.56631	3.55549	0
05/05/2023 13:50	2.311869	85.08693	13.42617	3.4756	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/05/2023 14:00	2.924359	78.34569	9.833921	3.95494	0
05/05/2023 14:10	2.5795	85.77742	13.2509	3.39571	0
05/05/2023 14:20	2.301217	75.13612	13.98662	3.23593	0
05/05/2023 14:30	2.359803	74.54035	12.52513	3.07615	0
05/05/2023 14:40	2.205349	62.47958	12.55395	2.99626	0
05/05/2023 14:50	2.09084	49.25606	12.6587	2.83648	0
05/05/2023 15:00	2.567518	43.79613	12.39254	3.55549	0
05/05/2023 15:10	2.10815	196.3785	21.06422	3.55549	0
05/05/2023 15:20	2.415726	180.9629	18.85666	3.63538	0
05/05/2023 15:30	2.093503	4.314548	16.02684	3.07615	0
05/05/2023 15:40	2.442357	182.4842	17.69328	3.55549	0
05/05/2023 15:50	2.532898	32.39668	14.76316	3.63538	0
05/05/2023 16:00	3.133405	54.02155	11.19135	4.19461	0
05/05/2023 16:10	1.530925	46.32484	18.06598	2.59681	0
05/05/2023 16:20	1.047274	168.8926	70.55621	2.35714	0
05/05/2023 16:30	1.263978	183.8255	23.16827	2.03758	0
05/05/2023 16:40	0.825243	42.59647	45.25726	1.39846	0
05/05/2023 16:50	1.769948	262.5179	10.36197	2.43703	0
05/05/2023 17:00	1.393134	282.6895	11.2134	2.03758	0
05/05/2023 17:10	1.808562	295.8477	12.83928	2.51692	0
05/05/2023 17:20	1.929729	288.5126	15.57404	2.75659	0
05/05/2023 17:30	1.828535	298.8504	15.6889	2.75659	0
05/05/2023 17:40	2.913707	294.0022	12.36469	3.87505	0
05/05/2023 17:50	2.458333	299.0455	16.30709	3.39571	0
05/05/2023 18:00	2.399748	356.5293	17.78796	3.55549	0
05/05/2023 18:10	2.415726	15.74944	21.31419	3.95494	0
05/05/2023 18:20	3.255903	21.24673	17.23315	4.91362	0
05/05/2023 18:30	2.994928	176.806	22.50094	4.67395	0
05/05/2023 18:40	3.243919	342.9714	22.80883	5.31307	0
05/05/2023 18:50	2.976287	13.72332	19.24904	4.59406	0
05/05/2023 19:00	3.191991	11.79148	18.03666	4.67395	0
05/05/2023 19:10	3.464949	14.05931	16.88913	4.83373	0
05/05/2023 19:20	2.590153	334.5711	25.9132	4.75384	0
05/05/2023 19:30	2.860447	179.9771	23.97628	4.51417	0
05/05/2023 19:40	2.403742	172.8779	23.49714	3.4756	0
05/05/2023 19:50	2.319858	311.386	20.26907	3.71527	0
05/05/2023 20:00	2.038911	287.7098	22.19346	3.23593	0
05/05/2023 20:10	1.90443	287.7304	18.00784	3.15604	0
05/05/2023 20:20	2.548876	255.2787	9.463875	3.39571	0
05/05/2023 20:30	3.008244	255.4531	7.605907	3.87505	0
05/05/2023 20:40	2.70333	247.921	10.31309	3.55549	0
05/05/2023 20:50	2.655396	247.6718	9.978241	3.39571	0
05/05/2023 21:00	2.066873	251.4803	8.27434	2.83648	0
05/05/2023 21:10	1.865816	252.8788	9.924498	2.51692	0
05/05/2023 21:20	1.19838	241.1353	13.5589	1.8778	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/05/2023 21:30	0.8418798	71.34243	16.01856	1.31857	0
05/05/2023 21:40	0.9557297	131.0176	30.91235	1.71802	0
05/05/2023 21:50	0.8591384	138.9456	33.65977	1.47835	0
05/05/2023 22:00	0.1828607	219.925	10.94026	0.8392301	0
05/05/2023 22:10	1.535604	235.1635	11.03922	2.19736	0
05/05/2023 22:20	1.805899	230.9467	14.16305	2.51692	0
05/05/2023 22:30	0.6407467	182.9939	20.56715	1.23868	0
05/05/2023 22:40	0.07462817	238.67	13.32948	0.51967	0
05/05/2023 22:50	0.7769408	85.45538	16.19989	1.0789	0
05/05/2023 23:00	0.8890008	223.1396	12.03333	1.8778	0
05/05/2023 23:10	2.20668	225.7794	16.57917	3.15604	0
05/05/2023 23:20	0.7788545	211.9202	27.45942	1.55824	0
05/05/2023 23:30	0.6593878	248.0865	22.30278	1.39846	0
05/05/2023 23:40	0.7272556	241.1042	15.34778	1.31857	0
05/05/2023 23:50	1.329222	256.9105	11.76746	2.03758	0
06/05/2023 00:00	0.6264169	199.006	20.06735	1.15879	0
06/05/2023 00:10	0.209542	275.2818	16.41439	0.59956	0
06/05/2023 00:20	0.8061951	52.88804	7.539582	1.31857	0
06/05/2023 00:30	0.791917	30.53867	15.74075	1.23868	0
06/05/2023 00:40	0.3477268	204.9934	12.3321	0.75934	0
06/05/2023 00:50	0.8694094	169.1473	29.05419	1.55824	0
06/05/2023 01:00	1.964347	122.1582	18.49741	3.15604	0
06/05/2023 01:10	1.050926	160.9122	42.09691	1.71802	0
06/05/2023 01:20	0.4179795	192.8372	48.36259	1.31857	0
06/05/2023 01:30	1.917745	223.0591	26.67593	3.31582	0
06/05/2023 01:40	2.888409	223.5485	16.74182	4.03483	0
06/05/2023 01:50	3.002917	221.064	11.88361	4.35439	0
06/05/2023 02:00	2.297223	217.86	19.80993	3.07615	0
06/05/2023 02:10	2.426378	219.7684	23.01431	3.39571	0
06/05/2023 02:20	1.751307	214.4487	27.30087	2.35714	0
06/05/2023 02:30	1.054933	214.8053	74.21864	1.71802	0
06/05/2023 02:40	0.7836366	216.9289	59.31258	1.39846	0
06/05/2023 02:50	0.974041	233.2151	38.39027	1.71802	0
06/05/2023 03:00	1.765954	220.1071	17.25413	2.27725	0
06/05/2023 03:10	1.974999	223.222	16.74941	2.83648	0
06/05/2023 03:20	1.434411	242.0045	14.34186	2.11747	0
06/05/2023 03:30	1.044611	186.5124	48.12953	2.03758	0
06/05/2023 03:40	1.981657	207.0608	41.07784	3.15604	0
06/05/2023 03:50	1.731336	215.3421	38.81154	3.15604	0
06/05/2023 04:00	0.7160469	198.6113	76.19514	1.15879	0
06/05/2023 04:10	1.048237	232.8177	40.96577	2.11747	0
06/05/2023 04:20	1.714025	221.2274	19.59417	2.51692	0
06/05/2023 04:30	1.394465	227.0736	17.10564	2.35714	0
06/05/2023 04:40	1.502317	226.0032	16.21124	2.19736	0
06/05/2023 04:50	1.462373	146.0829	26.71411	2.19736	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/05/2023 05:00	1.167109	96.89104	33.50223	1.63813	0
06/05/2023 05:10	1.435742	235.3824	28.59967	2.75659	0
06/05/2023 05:20	2.594147	249.1926	11.35699	3.39571	0
06/05/2023 05:30	2.590153	251.0164	15.29413	3.79516	0
06/05/2023 05:40	2.446351	249.8719	11.82082	3.39571	0
06/05/2023 05:50	2.421052	249.1761	12.05954	3.4756	0
06/05/2023 06:00	2.234642	213.7731	28.20548	4.03483	0
06/05/2023 06:10	2.174725	142.4337	18.95594	3.07615	0
06/05/2023 06:20	1.783263	141.3354	32.55037	3.07615	0
06/05/2023 06:30	1.259984	130.7101	42.75068	2.27725	0
06/05/2023 06:40	0.9833361	124.9929	21.62329	1.55824	0
06/05/2023 06:50	1.002319	271.7542	75.75327	2.19736	0
06/05/2023 07:00	1.583539	241.0323	21.44878	2.51692	0
06/05/2023 07:10	1.652776	188.4108	45.15898	2.51692	0
06/05/2023 07:20	1.85117	128.7599	14.3253	3.15604	0
06/05/2023 07:30	1.848507	116.0697	14.7272	2.59681	0
06/05/2023 07:40	1.985651	116.0634	12.44165	2.6767	0
06/05/2023 07:50	1.567561	138.856	15.30002	2.43703	0
06/05/2023 08:00	1.188083	137.5301	43.95083	2.43703	0
06/05/2023 08:10	2.266598	130.4255	17.65918	3.87505	0
06/05/2023 08:20	2.216001	123.2809	17.80814	3.55549	0
06/05/2023 08:30	3.016233	124.6705	15.54259	4.2745	0
06/05/2023 08:40	2.941669	107.6327	12.47314	4.2745	0
06/05/2023 08:50	3.483589	91.34061	11.2909	4.59406	0
06/05/2023 09:00	3.929641	97.22766	11.75155	5.15329	0
06/05/2023 09:10	4.598054	101.3958	10.42637	6.35164	0
06/05/2023 09:20	3.793829	108.6132	14.45212	5.392961	0
06/05/2023 09:30	4.595391	99.06903	11.84315	6.35164	0
06/05/2023 09:40	4.053471	99.2207	11.70036	5.392961	0
06/05/2023 09:50	4.249203	96.24809	10.89313	5.95219	0
06/05/2023 10:00	4.1054	100.128	11.08783	5.712521	0
06/05/2023 10:10	4.494198	105.0517	13.42546	6.27175	0
06/05/2023 10:20	5.106688	106.6754	11.4439	7.15054	0
06/05/2023 10:30	5.407608	101.2182	11.88683	7.54999	0
06/05/2023 10:40	4.8071	102.4071	12.77676	6.51142	0
06/05/2023 10:50	5.495486	102.2177	11.17645	7.31032	0
06/05/2023 11:00	5.616653	100.2671	12.04069	7.23043	0
06/05/2023 11:10	5.709857	101.9849	13.12292	7.4701	0
06/05/2023 11:20	5.089377	94.67208	10.64789	7.39021	0
06/05/2023 11:30	5.451546	91.36043	12.30304	7.78966	0
06/05/2023 11:40	6.088003	96.62721	13.918	7.94944	0
06/05/2023 11:50	5.599343	96.6329	14.72241	7.86955	0
06/05/2023 12:00	5.771106	93.10985	13.97322	7.86955	0
06/05/2023 12:10	5.952191	91.51617	11.91122	8.74834	0
06/05/2023 12:20	5.732492	93.63525	12.6546	8.02933	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/05/2023 12:30	5.036119	95.05708	13.71461	6.91087	0
06/05/2023 12:40	5.496816	91.0056	13.9833	8.02933	0
06/05/2023 12:50	5.428911	89.23921	11.62626	7.23043	0
06/05/2023 13:00	4.982858	89.21411	11.97371	6.59131	0
06/05/2023 13:10	5.530105	85.24298	11.43852	7.86955	0
06/05/2023 13:20	5.651271	95.68485	11.43012	8.10922	0
06/05/2023 13:30	5.735157	90.52846	11.64893	7.629881	0
06/05/2023 13:40	5.599343	89.94375	11.857	7.62988	0
06/05/2023 13:50	5.265136	92.75055	13.96458	7.31032	0
06/05/2023 14:00	5.012152	83.36367	11.75551	7.15054	0
06/05/2023 14:10	4.868349	88.07414	13.87906	6.59131	0
06/05/2023 14:20	5.387634	89.92705	12.61292	7.07065	0
06/05/2023 14:30	5.486167	77.90987	8.829332	7.23043	0
06/05/2023 14:40	5.540757	96.0453	11.92786	7.4701	0
06/05/2023 14:50	5.619315	90.93877	11.65003	7.869551	0
06/05/2023 15:00	5.384972	87.9455	13.09778	7.54999	0
06/05/2023 15:10	5.512796	90.63367	10.97851	7.70977	0
06/05/2023 15:20	5.563392	89.57845	10.59129	7.39021	0
06/05/2023 15:30	5.767113	91.98395	11.41506	7.4701	0
06/05/2023 15:40	4.902968	88.9062	11.31646	6.27175	0
06/05/2023 15:50	4.986853	83.67796	11.26161	6.99076	0
06/05/2023 16:00	4.835063	80.44436	12.03442	7.23043	0
06/05/2023 16:10	5.0987	76.91562	10.9132	6.99076	0
06/05/2023 16:20	5.361004	81.74336	9.425835	6.99076	0
06/05/2023 16:30	4.419634	79.87314	11.38008	6.351641	0
06/05/2023 16:40	4.657972	70.67056	12.33903	6.27175	0
06/05/2023 16:50	4.753839	73.10579	9.724604	6.59131	0
06/05/2023 17:00	4.089422	72.03302	10.84365	5.55274	0
06/05/2023 17:10	4.483546	74.39105	11.02266	6.11197	0
06/05/2023 17:20	4.279826	66.90994	9.141551	5.872301	0
06/05/2023 17:30	3.908338	72.36429	9.311079	5.153291	0
06/05/2023 17:40	3.430329	70.5289	11.4349	4.59406	0
06/05/2023 17:50	3.747226	71.14014	10.10926	4.91362	0
06/05/2023 18:00	3.379733	75.0391	10.90737	4.75384	0
06/05/2023 18:10	3.177344	72.94662	10.35999	4.43428	0
06/05/2023 18:20	3.038868	78.20556	10.05602	4.03483	0
06/05/2023 18:30	3.054847	81.07361	10.02015	3.87505	0
06/05/2023 18:40	2.891071	78.31207	9.772438	3.95494	0
06/05/2023 18:50	2.937675	80.11992	10.59275	3.95494	0
06/05/2023 19:00	2.654065	86.73444	11.05434	3.87505	0
06/05/2023 19:10	2.415726	78.10532	8.786207	3.23593	0
06/05/2023 19:20	2.643413	80.38098	8.70657	3.31582	0
06/05/2023 19:30	2.318527	86.26408	10.22601	2.99626	0
06/05/2023 19:40	2.539556	87.828	9.809852	3.31582	0
06/05/2023 19:50	2.445019	81.13393	9.347202	3.15604	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/05/2023 20:00	2.289234	85.97011	9.463656	2.99626	0
06/05/2023 20:10	2.09084	100.6414	10.49229	2.91637	0
06/05/2023 20:20	1.986983	109.0602	7.477188	2.43703	0
06/05/2023 20:30	2.451676	92.41556	7.470719	3.15604	0
06/05/2023 20:40	2.105487	87.68811	11.44575	2.83648	0
06/05/2023 20:50	2.23331	87.96117	8.186701	2.99626	0
06/05/2023 21:00	1.873806	98.05525	9.409124	2.59681	0
06/05/2023 21:10	1.835192	92.10124	6.835271	2.59681	0
06/05/2023 21:20	2.112144	87.93981	8.793867	2.75659	0
06/05/2023 21:30	1.971004	91.15289	8.271267	2.6767	0
06/05/2023 21:40	1.596853	92.82266	8.214573	2.27725	0
06/05/2023 21:50	1.731335	90.12496	7.747434	2.43703	0
06/05/2023 22:00	1.94837	87.31964	7.715449	2.51692	0
06/05/2023 22:10	1.431749	88.94429	8.464932	1.95769	0
06/05/2023 22:20	1.584871	103.7136	5.895137	1.95769	0
06/05/2023 22:30	1.756634	91.97136	8.79097	2.35714	0
06/05/2023 22:40	1.808562	83.0285	8.118136	2.43703	0
06/05/2023 22:50	1.595522	92.20609	7.870908	2.03758	0
06/05/2023 23:00	2.156084	86.73692	8.803341	2.75659	0
06/05/2023 23:10	2.306543	83.93599	9.171124	2.99626	0
06/05/2023 23:20	1.883126	89.41972	10.00326	2.59681	0
06/05/2023 23:30	1.813888	81.14556	8.541973	2.35714	0
06/05/2023 23:40	1.816551	83.94492	10.31586	2.27725	0
06/05/2023 23:50	2.018939	87.35323	9.421715	2.83648	0
07/05/2023 00:00	2.249289	85.73769	9.439025	3.07615	0
07/05/2023 00:10	2.106818	83.22177	9.034431	2.83648	0
07/05/2023 00:20	2.25062	83.79346	9.221146	3.15604	0
07/05/2023 00:30	1.917745	93.20442	10.35163	2.75659	0
07/05/2023 00:40	1.38914	83.81212	11.26686	2.43703	0
07/05/2023 00:50	1.578212	93.98251	10.17813	2.35714	0
07/05/2023 01:00	1.715357	95.45467	10.98982	2.83648	0
07/05/2023 01:10	1.330554	92.56326	11.40147	2.03758	0
07/05/2023 01:20	1.60218	86.92862	13.88251	2.43703	0
07/05/2023 01:30	1.937717	91.67459	10.80767	2.91637	0
07/05/2023 01:40	2.129454	80.58717	10.31778	2.99626	0
07/05/2023 01:50	2.188039	81.2144	9.083397	2.91637	0
07/05/2023 02:00	1.96701	79.71192	10.5113	2.43703	0
07/05/2023 02:10	2.060215	80.3535	8.867606	2.99626	0
07/05/2023 02:20	2.622108	80.47569	10.96753	3.55549	0
07/05/2023 02:30	2.652733	79.27551	9.890347	3.63538	0
07/05/2023 02:40	2.092171	85.52158	9.673944	2.59681	0
07/05/2023 02:50	2.401079	94.07164	10.59361	3.31582	0
07/05/2023 03:00	2.331841	83.86002	10.90421	3.07615	0
07/05/2023 03:10	2.471649	86.13501	10.57107	3.23593	0
07/05/2023 03:20	2.684689	95.52653	11.70169	3.79516	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/05/2023 03:30	2.443687	96.14639	11.58123	3.4756	0
07/05/2023 03:40	2.464992	93.02106	12.43371	3.87505	0
07/05/2023 03:50	2.582164	100.4196	12.79897	3.71527	0
07/05/2023 04:00	2.442356	92.95203	11.09262	3.55549	0
07/05/2023 04:10	2.297223	89.62029	11.19987	3.07615	0
07/05/2023 04:20	2.422384	92.75247	13.36755	3.63538	0
07/05/2023 04:30	2.355808	91.90758	9.698292	3.79516	0
07/05/2023 04:40	2.447682	91.20773	11.67052	3.63538	0
07/05/2023 04:50	2.788546	89.97955	12.30343	3.95494	0
07/05/2023 05:00	2.785883	88.12997	11.22616	4.03483	0
07/05/2023 05:10	2.891072	90.83824	11.71729	4.03483	0
07/05/2023 05:20	2.514257	95.36055	14.07516	3.95494	0
07/05/2023 05:30	2.434368	88.83943	11.53089	3.23593	0
07/05/2023 05:40	2.592815	86.57127	11.114	3.31582	0
07/05/2023 05:50	2.924359	95.67058	10.15775	4.43428	0
07/05/2023 06:00	3.41302	99.33318	13.49625	4.75384	0
07/05/2023 06:10	3.122752	97.82356	11.60468	4.43428	0
07/05/2023 06:20	3.647364	96.79997	12.20615	5.15329	0
07/05/2023 06:30	3.523535	97.02596	13.37088	5.0734	0
07/05/2023 06:40	4.36371	93.98098	12.92883	6.6712	0
07/05/2023 06:50	3.984234	95.57939	10.76401	5.95219	0
07/05/2023 07:00	4.223904	98.2355	13.72878	6.59131	0
07/05/2023 07:10	4.723216	98.54384	11.06251	6.51142	0
07/05/2023 07:20	4.447596	105.1521	12.6704	6.11197	0
07/05/2023 07:30	4.677944	100.0625	10.47254	6.99076	0
07/05/2023 07:40	4.005537	94.29822	11.82617	6.27175	0
07/05/2023 07:50	4.266511	95.73853	13.50885	6.35164	0
07/05/2023 08:00	4.171975	98.80492	11.4734	6.35164	0
07/05/2023 08:10	4.458247	96.18633	12.35766	6.35164	0
07/05/2023 08:20	4.871013	95.03065	12.48311	7.39021	0
07/05/2023 08:30	5.110682	99.5415	11.846	7.23043	0
07/05/2023 08:40	5.139976	97.35991	11.92876	7.15054	0
07/05/2023 08:50	5.034787	97.96561	12.01916	7.470099	0
07/05/2023 09:00	5.309076	96.6866	12.70834	8.34889	0
07/05/2023 09:10	5.555404	95.778	14.80494	8.189111	0
07/05/2023 09:20	5.683227	89.52894	11.78205	7.70977	0
07/05/2023 09:30	6.008114	92.84294	12.55852	8.82823	0
07/05/2023 09:40	5.543419	93.77068	12.74139	8.74834	0
07/05/2023 09:50	6.587317	89.00626	12.18634	8.90812	0
07/05/2023 10:00	5.719177	85.61391	12.84711	8.74834	0
07/05/2023 10:10	6.211833	84.66797	11.54349	9.14779	0
07/05/2023 10:20	7.118585	83.58217	13.0437	9.547239	0
07/05/2023 10:30	6.459492	84.54376	11.78596	8.42878	0
07/05/2023 10:40	5.829692	93.21252	14.04816	8.90812	0
07/05/2023 10:50	5.847001	92.02477	12.00953	8.34889	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/05/2023 11:00	6.271751	93.85707	13.63976	8.74834	0
07/05/2023 11:10	5.88029	89.17288	14.95746	8.18911	0
07/05/2023 11:20	6.460825	92.66197	13.46087	8.50867	0
07/05/2023 11:30	6.107976	89.36541	11.56805	8.82823	0
07/05/2023 11:40	6.563349	87.21123	12.47966	9.70702	0
07/05/2023 11:50	6.948153	86.68501	11.23763	9.14779	0
07/05/2023 12:00	7.097281	92.26553	11.60211	9.94669	0
07/05/2023 12:10	6.886904	88.14311	12.61917	9.70702	0
07/05/2023 12:20	7.063993	90.95742	11.78913	9.147789	0
07/05/2023 12:30	7.251736	87.70511	10.99673	10.42603	0
07/05/2023 12:40	6.580659	85.90758	11.69374	9.0679	0
07/05/2023 12:50	6.604627	87.74268	11.59299	8.82823	0
07/05/2023 13:00	6.504764	84.84459	13.45704	9.147789	0
07/05/2023 13:10	6.677858	84.03413	10.81872	8.908119	0
07/05/2023 13:20	6.238463	83.61768	12.23579	8.34889	0
07/05/2023 13:30	6.326342	84.42325	12.64252	9.547239	0
07/05/2023 13:40	6.39558	90.80828	11.64156	8.34889	0
07/05/2023 13:50	6.247784	92.20918	14.21941	9.46735	0
07/05/2023 14:00	6.07602	87.0326	11.27112	8.668449	0
07/05/2023 14:10	6.432862	79.25765	11.09301	8.34889	0
07/05/2023 14:20	5.733824	79.92131	11.4334	8.18911	0
07/05/2023 14:30	5.972163	74.95583	11.29675	8.269	0
07/05/2023 14:40	5.526111	77.63459	12.01477	7.94944	0
07/05/2023 14:50	5.719178	78.4556	11.19137	8.269	0
07/05/2023 15:00	5.463529	82.17044	11.23924	7.390211	0
07/05/2023 15:10	5.089378	74.22495	11.12144	7.15054	0
07/05/2023 15:20	4.973537	63.66767	13.92936	6.91087	0
07/05/2023 15:30	4.636668	68.5468	13.54415	6.19186	0
07/05/2023 15:40	5.186579	59.55077	11.18334	6.75109	0
07/05/2023 15:50	4.78979	62.74516	11.86738	6.51142	0
07/05/2023 16:00	4.787127	65.33517	12.96508	6.6712	0
07/05/2023 16:10	5.355679	64.6571	11.85382	7.15054	0
07/05/2023 16:20	5.022803	63.03771	13.30745	6.75109	0
07/05/2023 16:30	5.125329	64.70045	10.62865	6.59131	0
07/05/2023 16:40	4.94824	65.743	10.47606	6.43153	0
07/05/2023 16:50	4.797779	64.19659	10.46018	6.19186	0
07/05/2023 17:00	4.809764	65.15881	10.26015	6.75109	0
07/05/2023 17:10	4.823079	62.82346	12.38109	6.75109	0
07/05/2023 17:20	4.720552	63.22062	10.4252	6.19186	0
07/05/2023 17:30	5.154624	62.49802	10.3243	6.6712	0
07/05/2023 17:40	3.76853	56.58666	10.87215	5.47285	0
07/05/2023 17:50	3.689972	52.43514	13.15988	5.0734	0
07/05/2023 18:00	4.04282	53.14513	10.67138	5.153291	0
07/05/2023 18:10	3.447639	57.49345	10.25595	4.91362	0
07/05/2023 18:20	2.885746	55.96465	11.42846	4.2745	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/05/2023 18:30	2.217333	54.76658	11.16612	2.99626	0
07/05/2023 18:40	2.134779	54.01736	13.22712	3.15604	0
07/05/2023 18:50	1.849838	57.69167	11.39194	2.59681	0
07/05/2023 19:00	2.044238	54.16656	13.66103	2.6767	0
07/05/2023 19:10	2.050895	58.65757	13.58175	2.99626	0
07/05/2023 19:20	1.990978	60.49236	13.12644	2.91637	0
07/05/2023 19:30	1.663429	61.72618	9.189806	2.43703	0
07/05/2023 19:40	1.89511	63.85552	11.17682	2.6767	0
07/05/2023 19:50	2.439693	54.57043	10.21415	3.07615	0
07/05/2023 20:00	2.797866	55.67707	11.25927	3.63538	0
07/05/2023 20:10	2.379776	54.92116	10.87407	3.07615	0
07/05/2023 20:20	2.008287	54.22328	11.04844	2.75659	0
07/05/2023 20:30	2.054889	49.47649	9.305203	2.59681	0
07/05/2023 20:40	2.017608	48.53963	10.18966	2.6767	0
07/05/2023 20:50	1.747313	50.45156	7.62317	2.11747	0
07/05/2023 21:00	0.7925633	87.70834	16.40038	1.23868	0
07/05/2023 21:10	0.7130545	151.2212	23.01394	1.15879	0
07/05/2023 21:20	0.4668896	116.8484	6.050038	0.91912	0
07/05/2023 21:30	0.5974665	65.53249	8.90154	1.0789	0
07/05/2023 21:40	1.093482	104.2814	13.66107	1.71802	0
07/05/2023 21:50	1.686064	98.70087	9.221138	2.35714	0
07/05/2023 22:00	2.154752	98.6291	8.466108	2.75659	0
07/05/2023 22:10	1.840518	91.9897	9.909792	2.6767	0
07/05/2023 22:20	2.092172	98.50719	8.62118	2.99626	0
07/05/2023 22:30	2.382439	99.74039	8.029245	2.99626	0
07/05/2023 22:40	2.474312	91.41713	8.349916	3.39571	0
07/05/2023 22:50	3.468943	88.71222	8.567271	4.35439	0
07/05/2023 23:00	2.740612	91.73087	7.754059	3.63538	0
07/05/2023 23:10	2.347819	92.84313	9.304832	3.07615	0
07/05/2023 23:20	1.885789	92.52085	8.031557	2.51692	0
07/05/2023 23:30	1.570224	100.2517	7.855825	1.95769	0
07/05/2023 23:40	1.684732	90.54763	8.257295	2.35714	0
07/05/2023 23:50	1.427753	86.8808	8.547138	2.03758	0
08/05/2023 00:00	1.828534	90.1614	9.944693	3.39571	0
08/05/2023 00:10	1.269305	77.48236	8.980501	2.03758	0
08/05/2023 00:20	0.939752	80.30139	8.614154	1.71802	0
08/05/2023 00:30	1.145133	88.13226	8.798929	1.95769	0
08/05/2023 00:40	1.501316	94.95563	10.00369	2.19736	0
08/05/2023 00:50	1.953696	93.0864	9.556535	2.59681	0
08/05/2023 01:00	2.254614	89.42096	10.70525	2.99626	0
08/05/2023 01:10	2.217332	92.29987	10.09611	3.07615	0
08/05/2023 01:20	2.23331	96.76097	10.23094	3.23593	0
08/05/2023 01:30	2.136111	92.77161	10.74612	2.75659	0
08/05/2023 01:40	2.156084	92.30814	10.64429	2.99626	0
08/05/2023 01:50	2.366461	91.05655	10.86189	2.99626	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/05/2023 02:00	2.413063	92.02608	10.65063	3.31582	0
08/05/2023 02:10	2.450345	90.3947	9.576326	3.31582	0
08/05/2023 02:20	2.283907	91.97449	9.228374	2.91637	0
08/05/2023 02:30	2.831154	96.80241	12.90778	4.03483	0
08/05/2023 02:40	3.299842	100.3329	10.19831	4.673951	0
08/05/2023 02:50	2.962974	99.61028	11.36668	4.35439	0
08/05/2023 03:00	2.530235	88.14529	12.01194	3.4756	0
08/05/2023 03:10	2.447682	90.87876	10.31078	3.23593	0
08/05/2023 03:20	2.700667	93.18756	11.52405	3.55549	0
08/05/2023 03:30	2.606131	95.80464	11.22237	3.4756	0
08/05/2023 03:40	3.206637	99.74933	11.10761	4.35439	0
08/05/2023 03:50	3.934968	99.49425	10.71741	5.39296	0
08/05/2023 04:00	4.094748	100.7822	10.91996	5.712521	0
08/05/2023 04:10	4.020184	101.9162	10.62102	5.55274	0
08/05/2023 04:20	3.920321	102.2805	10.21749	5.552741	0
08/05/2023 04:30	3.771193	98.16905	11.8361	5.0734	0
08/05/2023 04:40	3.867061	98.44945	10.90483	5.23318	0
08/05/2023 04:50	4.199937	100.2543	10.30091	5.95219	0
08/05/2023 05:00	4.350396	99.90308	10.33958	6.03208	0
08/05/2023 05:10	4.630011	99.40329	10.44218	6.59131	0
08/05/2023 05:20	4.317109	98.12189	9.811359	6.27175	0
08/05/2023 05:30	4.534142	99.30879	11.07002	5.872301	0
08/05/2023 05:40	3.897686	99.4852	12.4028	6.11197	0
08/05/2023 05:50	4.002875	99.00771	10.44433	5.472851	0
08/05/2023 06:00	3.604756	96.04916	12.9271	5.23318	0
08/05/2023 06:10	3.883039	96.51303	10.68974	5.792411	0
08/05/2023 06:20	3.875051	93.0804	10.20952	5.39296	0
08/05/2023 06:30	4.013526	92.49075	10.87385	5.55274	0
08/05/2023 06:40	4.2745	96.61868	12.42387	5.95219	0
08/05/2023 06:50	4.427622	95.66618	11.23633	6.11197	0
08/05/2023 07:00	3.957603	98.40759	12.54047	5.872301	0
08/05/2023 07:10	4.161323	93.35249	11.95287	5.95219	0
08/05/2023 07:20	4.77248	94.36277	11.88805	6.51142	0
08/05/2023 07:30	4.902968	97.68967	11.73416	7.23043	0
08/05/2023 07:40	4.777807	98.79916	10.71767	6.43153	0
08/05/2023 07:50	4.859029	103.392	12.70545	7.07065	0
08/05/2023 08:00	5.114677	103.9708	12.2609	7.4701	0
08/05/2023 08:10	5.958849	104.6441	10.50599	7.949441	0
08/05/2023 08:20	5.845672	103.0378	10.61672	7.949441	0
08/05/2023 08:30	5.249159	105.7286	11.61983	7.54999	0
08/05/2023 08:40	5.45421	99.89382	11.01411	7.949441	0
08/05/2023 08:50	5.906919	94.54716	10.38194	8.029331	0
08/05/2023 09:00	6.562017	95.24815	11.69141	8.98801	0
08/05/2023 09:10	6.351641	91.38329	11.4159	8.428781	0
08/05/2023 09:20	5.897598	91.42099	12.33623	8.90812	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/05/2023 09:30	6.607288	92.8318	14.7865	9.547239	0
08/05/2023 09:40	7.034701	92.07521	12.67023	10.18636	0
08/05/2023 09:50	6.980109	92.57248	12.07606	9.54724	0
08/05/2023 10:00	6.760411	90.20863	11.30347	10.10647	0
08/05/2023 10:10	7.488742	88.38622	11.57862	11.14504	0
08/05/2023 10:20	7.447466	89.32571	11.73368	10.50592	0
08/05/2023 10:30	7.833601	91.69141	11.92593	10.34614	0
08/05/2023 10:40	7.58461	87.28362	10.80206	10.02658	0
08/05/2023 10:50	7.277034	86.99544	11.75023	10.02658	0
08/05/2023 11:00	7.737732	86.56059	11.84073	10.58581	0
08/05/2023 11:10	8.173132	84.79488	11.22689	10.90537	0
08/05/2023 11:20	8.024005	83.98218	12.61029	10.90537	0
08/05/2023 11:30	7.772352	90.81111	11.28178	11.22493	0
08/05/2023 11:40	7.311652	84.95333	10.63293	10.42603	0
08/05/2023 11:50	7.455455	90.05887	14.3196	10.18636	0
08/05/2023 12:00	6.908209	90.53313	11.24027	9.30757	0
08/05/2023 12:10	6.713811	87.33595	13.98903	9.46735	0
08/05/2023 12:20	6.902883	90.08762	12.44376	9.38746	0
08/05/2023 12:30	6.724461	88.79987	12.38912	9.147789	0
08/05/2023 12:40	6.809676	82.81906	10.43046	9.22768	0
08/05/2023 12:50	6.623267	79.95187	12.52817	8.908121	0
08/05/2023 13:00	6.880247	79.81905	11.25183	9.94669	0
08/05/2023 13:10	7.245077	80.04269	11.86189	10.10647	0
08/05/2023 13:20	7.151873	81.10097	11.08636	9.46735	0
08/05/2023 13:30	7.082635	83.73782	12.97099	9.547239	0
08/05/2023 13:40	7.94811	85.53158	10.39702	10.82548	0
08/05/2023 13:50	7.426161	81.64349	11.13599	10.10647	0
08/05/2023 14:00	7.202469	73.65277	10.68911	10.02658	0
08/05/2023 14:10	8.358212	75.04823	11.56774	10.98526	0
08/05/2023 14:20	7.900176	85.14461	12.54249	10.82548	0
08/05/2023 14:30	7.258392	81.7338	9.974165	9.70702	0
08/05/2023 14:40	7.696456	83.17709	12.15352	10.34614	0
08/05/2023 14:50	7.032039	84.16454	11.65909	9.70702	0
08/05/2023 15:00	6.527399	85.05453	11.21414	8.668449	0
08/05/2023 15:10	6.633919	83.23637	12.64056	9.0679	0
08/05/2023 15:20	6.769732	84.5611	10.86313	8.74834	0
08/05/2023 15:30	6.639246	88.6902	10.71206	9.0679	0
08/05/2023 15:40	6.388923	85.24721	10.98989	8.58856	0
08/05/2023 15:50	6.444847	86.16821	11.79425	8.98801	0
08/05/2023 16:00	5.937545	85.15186	12.81529	7.70977	0
08/05/2023 16:10	5.73782	80.36096	11.62294	8.029329	0
08/05/2023 16:20	5.656598	73.93034	11.2591	7.709769	0
08/05/2023 16:30	5.247827	85.04227	11.38561	7.15054	0
08/05/2023 16:40	5.2678	85.94997	12.86804	6.99076	0
08/05/2023 16:50	5.550078	75.74975	12.65623	7.94944	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/05/2023 17:00	5.62331	77.43951	11.39614	7.78966	0
08/05/2023 17:10	6.154579	76.10766	11.31007	8.668449	0
08/05/2023 17:20	6.032081	76.95522	11.53747	8.82823	0
08/05/2023 17:30	5.515459	72.77988	8.874067	7.62988	0
08/05/2023 17:40	5.588692	74.68495	10.06168	7.54999	0
08/05/2023 17:50	5.849667	75.5107	10.26642	8.18911	0
08/05/2023 18:00	5.707194	75.1526	10.21867	7.39021	0
08/05/2023 18:10	5.358342	75.70998	9.890019	6.75109	0
08/05/2023 18:20	4.63001	75.85256	9.611114	6.671201	0
08/05/2023 18:30	5.110682	73.56741	10.48015	6.75109	0
08/05/2023 18:40	4.608707	69.64873	11.28753	6.27175	0
08/05/2023 18:50	4.436944	67.03986	10.95864	6.03208	0
08/05/2023 19:00	4.198605	69.22836	11.6898	5.55274	0
08/05/2023 19:10	3.431661	57.28367	10.73913	4.91362	0
08/05/2023 19:20	3.153377	58.72099	10.61999	4.2745	0
08/05/2023 19:30	4.171975	55.07319	12.34302	5.95219	0
08/05/2023 19:40	3.757879	56.98104	11.89503	5.47285	0
08/05/2023 19:50	3.836437	56.27639	10.31551	5.15329	0
08/05/2023 20:00	3.234599	56.99409	11.00125	4.51417	0
08/05/2023 20:10	3.23593	51.15697	12.14258	4.51417	0
08/05/2023 20:20	3.941625	53.756	11.96354	5.15329	0
08/05/2023 20:30	3.458291	56.48022	11.47025	5.0734	0
08/05/2023 20:40	2.937674	62.41126	10.35349	3.95494	0
08/05/2023 20:50	2.740613	60.21274	10.52766	3.55549	0
08/05/2023 21:00	2.453008	63.89406	10.38428	3.39571	0
08/05/2023 21:10	2.373118	69.0685	10.40869	3.07615	0
08/05/2023 21:20	2.405074	69.81807	8.877527	3.15604	0
08/05/2023 21:30	2.137443	62.46996	9.086166	3.07615	0
08/05/2023 21:40	2.030922	65.53255	8.780697	2.75659	0
08/05/2023 21:50	1.773943	65.75388	8.134178	2.27725	0
08/05/2023 22:00	1.204061	78.72369	9.912913	1.55824	0
08/05/2023 22:10	0.8472186	103.0333	12.94874	1.23868	0
08/05/2023 22:20	0.255117	106.0023	6.716722	0.99901	0
08/05/2023 22:30	1.570223	75.42096	16.8223	2.59681	0
08/05/2023 22:40	1.249991	67.2757	14.03192	2.03758	0
08/05/2023 22:50	0.9936712	82.25598	13.66685	2.11747	0
08/05/2023 23:00	1.281288	92.13557	11.36226	2.11747	0
08/05/2023 23:10	1.666091	93.64557	10.64613	2.51692	0
08/05/2023 23:20	2.305212	88.80266	10.5556	3.23593	0
08/05/2023 23:30	2.161409	95.56268	10.03964	2.91637	0
08/05/2023 23:40	1.821877	86.50069	11.59653	2.75659	0
08/05/2023 23:50	2.009619	87.20996	10.61619	2.83648	0
09/05/2023 00:00	1.897773	85.08192	12.94214	2.59681	0
09/05/2023 00:10	2.189371	92.50088	11.15802	2.99626	0
09/05/2023 00:20	1.72734	90.81354	12.8458	2.35714	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/05/2023 00:30	1.67408	98.27995	12.15351	2.51692	0
09/05/2023 00:40	2.4104	96.0092	11.89775	3.39571	0
09/05/2023 00:50	2.620777	98.1162	9.919658	3.4756	0
09/05/2023 01:00	2.796535	99.2629	9.235811	3.55549	0
09/05/2023 01:10	3.082808	99.56355	9.407137	3.87505	0
09/05/2023 01:20	3.130742	99.00294	9.22628	4.03483	0
09/05/2023 01:30	2.88042	94.82733	10.12629	4.03483	0
09/05/2023 01:40	3.11077	93.49231	10.20166	4.19461	0
09/05/2023 01:50	3.030879	94.53036	7.846084	4.03483	0
09/05/2023 02:00	3.285195	90.40112	11.30909	4.43428	0
09/05/2023 02:10	3.487584	94.44529	10.21739	4.75384	0
09/05/2023 02:20	3.247914	90.55116	10.34066	4.35439	0
09/05/2023 02:30	3.161366	97.11951	9.930002	4.75384	0
09/05/2023 02:40	2.551539	88.0958	10.6438	3.39571	0
09/05/2023 02:50	2.334505	92.70712	10.58302	3.15604	0
09/05/2023 03:00	2.526241	84.29181	9.915394	4.2745	0
09/05/2023 03:10	3.278538	85.14216	9.439739	4.19461	0
09/05/2023 03:20	4.142681	85.58992	9.292179	5.55274	0
09/05/2023 03:30	3.700624	84.19673	9.462173	4.99351	0
09/05/2023 03:40	3.787172	85.94362	9.770162	5.23318	0
09/05/2023 03:50	3.823122	87.18375	9.554111	4.91362	0
09/05/2023 04:00	3.579458	84.43871	10.73915	5.153291	0
09/05/2023 04:10	4.005538	86.03661	10.16374	5.95219	0
09/05/2023 04:20	4.133362	88.46809	11.59812	5.47285	0
09/05/2023 04:30	4.283821	91.33807	10.65425	5.79241	0
09/05/2023 04:40	5.026797	86.37951	11.35122	7.23043	0
09/05/2023 04:50	5.143971	88.26611	10.1715	6.99076	0
09/05/2023 05:00	4.440937	89.27792	10.36234	5.95219	0
09/05/2023 05:10	5.34769	87.32951	10.78567	7.54999	0
09/05/2023 05:20	4.579413	88.15038	11.72802	6.6712	0
09/05/2023 05:30	4.78846	90.61271	11.55411	6.43153	0
09/05/2023 05:40	5.044107	87.1294	12.10505	6.6712	0
09/05/2023 05:50	4.839056	86.3028	12.2189	7.07065	0
09/05/2023 06:00	5.273125	88.26284	11.27392	7.31032	0
09/05/2023 06:10	5.106688	88.04817	11.49642	7.470099	0
09/05/2023 06:20	5.10003	87.75844	10.53446	6.6712	0
09/05/2023 06:30	5.070738	86.20241	11.69511	7.39021	0
09/05/2023 06:40	5.253153	89.29362	11.00112	7.15054	0
09/05/2023 06:50	5.159948	87.66841	10.98316	6.99076	0
09/05/2023 07:00	4.925603	87.67775	10.99999	7.4701	0
09/05/2023 07:10	5.438231	88.37054	11.93392	7.54999	0
09/05/2023 07:20	5.564725	84.69699	9.925735	7.86955	0
09/05/2023 07:30	5.116008	91.94936	11.80536	7.4701	0
09/05/2023 07:40	5.368993	96.73151	12.91366	7.629881	0
09/05/2023 07:50	5.293097	93.39507	11.48923	7.86955	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/05/2023 08:00	5.30375	94.9995	13.04216	7.4701	0
09/05/2023 08:10	5.542089	95.35054	11.63874	7.54999	0
09/05/2023 08:20	5.953522	97.44522	12.18176	8.269	0
09/05/2023 08:30	6.089335	94.06149	13.88561	8.668449	0
09/05/2023 08:40	6.628592	91.1419	11.61336	9.22768	0
09/05/2023 08:50	6.821661	93.93294	12.11549	9.227679	0
09/05/2023 09:00	6.571339	93.9006	12.29285	9.94669	0
09/05/2023 09:10	6.30637	90.55894	12.27305	8.508671	0
09/05/2023 09:20	6.018765	89.48213	11.94084	7.78966	0
09/05/2023 09:30	5.611326	88.57979	12.50556	8.18911	0
09/05/2023 09:40	7.090624	85.57454	11.75777	9.70702	0
09/05/2023 09:50	6.443514	86.8197	12.67475	8.82823	0
09/05/2023 10:00	7.547328	89.43741	12.41893	10.34614	0
09/05/2023 10:10	7.170514	89.38749	12.24595	10.34614	0
09/05/2023 10:20	6.7684	84.55354	11.82281	9.8668	0
09/05/2023 10:30	7.44214	85.63861	12.76526	9.786909	0
09/05/2023 10:40	7.804307	90.21279	11.0822	11.06515	0
09/05/2023 10:50	7.127906	82.85147	11.9229	9.46735	0
09/05/2023 11:00	7.119916	84.59137	9.952141	9.627131	0
09/05/2023 11:10	7.110596	79.97838	11.57769	10.26625	0
09/05/2023 11:20	7.643197	79.03362	12.70131	10.02658	0
09/05/2023 11:30	7.205133	77.97179	10.44741	9.70702	0
09/05/2023 11:40	6.799026	79.6075	10.09544	9.467351	0
09/05/2023 11:50	7.275703	79.85081	10.56597	9.627131	0
09/05/2023 12:00	6.283734	82.68388	11.43221	9.46735	0
09/05/2023 12:10	6.298381	83.82785	12.49638	9.22768	0
09/05/2023 12:20	5.869637	80.85919	12.65195	8.189111	0
09/05/2023 12:30	5.957517	81.78793	13.66823	7.78966	0
09/05/2023 12:40	6.115966	82.47948	11.27318	8.029329	0
09/05/2023 12:50	7.081304	78.57794	12.38226	10.26625	0
09/05/2023 13:00	7.277035	82.53734	12.75589	9.94669	0
09/05/2023 13:10	7.018723	85.13739	12.17668	10.10647	0
09/05/2023 13:20	6.952148	87.61819	10.42482	9.38746	0
09/05/2023 13:30	6.560686	74.35967	12.56073	8.508671	0
09/05/2023 13:40	6.512753	72.53546	12.1613	8.42878	0
09/05/2023 13:50	6.904214	75.93555	12.00583	9.22768	0
09/05/2023 14:00	5.893605	79.08873	12.27271	7.94944	0
09/05/2023 14:10	6.053386	72.86853	10.78379	7.94944	0
09/05/2023 14:20	5.068074	63.10223	13.50116	7.15054	0
09/05/2023 14:30	5.17859	60.00958	12.77486	6.6712	0
09/05/2023 14:40	5.40228	61.99942	12.5768	7.4701	0
09/05/2023 14:50	5.02014	65.01272	11.19452	6.75109	0
09/05/2023 15:00	5.185247	65.61507	13.98697	7.4701	0
09/05/2023 15:10	5.249159	67.07685	12.79302	7.07065	0
09/05/2023 15:20	5.274458	60.40714	12.59912	7.31032	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/05/2023 15:30	5.231848	68.55168	10.55789	7.07065	0
09/05/2023 15:40	4.966881	65.15714	10.95702	6.75109	0
09/05/2023 15:50	5.05476	65.10757	9.070745	6.51142	0
09/05/2023 16:00	4.747182	62.09354	12.89125	6.43153	0
09/05/2023 16:10	4.95756	65.96925	9.208818	6.35164	0
09/05/2023 16:20	4.225235	63.7225	12.23857	5.47285	0
09/05/2023 16:30	4.009532	53.07884	13.89952	5.39296	0
09/05/2023 16:40	3.813802	58.52415	9.935453	4.91362	0
09/05/2023 16:50	3.222615	43.90079	17.08467	4.67395	0
09/05/2023 17:00	3.108106	38.31995	15.43872	4.99351	0
09/05/2023 17:10	3.006912	43.10318	11.80961	4.35439	0
09/05/2023 17:20	3.152045	48.81347	11.569	3.95494	0
09/05/2023 17:30	3.415682	41.97327	11.32019	4.43428	0
09/05/2023 17:40	2.981614	50.17207	11.92089	3.95494	0
09/05/2023 17:50	2.703331	51.24977	11.32651	3.55549	0
09/05/2023 18:00	2.16141	58.79051	11.33652	3.07615	0
09/05/2023 18:10	2.036248	65.59866	10.51756	2.75659	0
09/05/2023 18:20	1.811225	58.51982	9.854694	2.35714	0
09/05/2023 18:30	1.540931	68.83475	11.35472	1.95769	0
09/05/2023 18:40	1.14947	85.87187	12.14917	1.63813	0
09/05/2023 18:50	1.334548	83.81193	9.132476	1.79791	0
09/05/2023 19:00	1.357183	66.70261	6.908109	1.79791	0
09/05/2023 19:10	1.377156	65.82438	6.929654	1.63813	0
09/05/2023 19:20	0.7749754	87.72908	16.45845	1.0789	0
09/05/2023 19:30	0.3823715	74.09602	18.84096	0.9191201	0
09/05/2023 19:40	0.9038012	80.18005	16.61274	1.39846	0
09/05/2023 19:50	0.1372343	178.9624	0.964379	0.59956	0
09/05/2023 20:00	0.4259685	217.4634	20.00105	1.0789	0
09/05/2023 20:10	0.2348148	228.1504	6.056704	0.67945	0
09/05/2023 20:20	0.4646205	276.0714	9.327652	0.8392301	0
09/05/2023 20:30	0.2338386	302.0757	1.443988	0.67945	0
09/05/2023 20:40	0.5219263	285.2299	8.676201	0.8392301	0
09/05/2023 20:50	0.478038	275.8697	8.830658	0.67945	0
09/05/2023 21:00	0.007329667	274.2265	0.002553889	0.43978	0
09/05/2023 21:10	0.1652087	306.9874	2.494505	0.8392301	0
09/05/2023 21:20					0
09/05/2023 21:30					0
09/05/2023 21:40	0.049304	55.43866	2.046872	0.59956	0
09/05/2023 21:50	0.4390179	208.3164	13.29352	0.75934	0
09/05/2023 22:00	1.037624	218.4189	11.18997	1.47835	0
09/05/2023 22:10	0.3830436	240.8952	10.59689	0.75934	0
09/05/2023 22:20					0
09/05/2023 22:30	0.3769556	21.4743	4.221643	1.23868	0
09/05/2023 22:40	0.6701294	29.97386	14.09241	1.0789	0
09/05/2023 22:50	1.099189	42.67466	5.335429	1.55824	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/05/2023 23:00					0
09/05/2023 23:10					0
09/05/2023 23:20	0.5680965	88.42597	9.082788	1.55824	0
09/05/2023 23:30	1.435742	95.45474	10.29328	1.95769	0
09/05/2023 23:40	1.481013	101.5038	8.218098	2.03758	0
09/05/2023 23:50	1.837855	93.57005	7.768583	2.59681	0
10/05/2023 00:00	2.042906	100.4547	7.962372	2.6767	0
10/05/2023 00:10	1.949701	94.53087	9.018118	2.43703	0
10/05/2023 00:20	1.837855	97.56364	8.45385	2.27725	0
10/05/2023 00:30	1.912419	92.04279	8.503721	2.43703	0
10/05/2023 00:40	2.310538	89.782	8.046384	3.07615	0
10/05/2023 00:50	2.457003	87.23216	10.03605	3.07615	0
10/05/2023 01:00	2.294559	80.79204	9.595888	3.31582	0
10/05/2023 01:10	2.162741	86.05952	9.578488	2.91637	0
10/05/2023 01:20	1.660765	85.64574	11.10267	2.35714	0
10/05/2023 01:30	2.369123	90.07993	11.99967	3.23593	0
10/05/2023 01:40	2.594147	89.04296	11.9078	3.71527	0
10/05/2023 01:50	1.937718	86.23613	11.08204	2.83648	0
10/05/2023 02:00	1.576881	84.92989	12.12803	2.51692	0
10/05/2023 02:10	1.79791	89.09088	10.22269	2.83648	0
10/05/2023 02:20	1.612831	90.98399	11.30037	2.59681	0
10/05/2023 02:30	1.872474	87.00708	12.05918	2.91637	0
10/05/2023 02:40	1.512969	90.23143	14.35621	2.51692	0
10/05/2023 02:50	1.091821	95.44046	14.00093	2.27725	0
10/05/2023 03:00	0.3867084	101.8458	13.18219	1.31857	0
10/05/2023 03:10	1.640451	80.12378	16.85981	3.23593	0
10/05/2023 03:20	1.968342	96.90024	12.57974	2.75659	0
10/05/2023 03:30	2.247957	88.99867	11.31818	2.99626	0
10/05/2023 03:40	3.108107	87.297	12.54494	4.59406	0
10/05/2023 03:50	3.623396	86.96568	10.47173	4.91362	0
10/05/2023 04:00	4.096079	101.1276	11.16063	5.55274	0
10/05/2023 04:10	3.230604	100.325	12.90347	5.392961	0
10/05/2023 04:20	2.426378	92.42947	12.19534	4.03483	0
10/05/2023 04:30	3.34245	88.26839	12.59811	4.59406	0
10/05/2023 04:40	4.704576	81.20988	10.85303	7.54999	0
10/05/2023 04:50	3.486252	97.07191	11.29505	4.43428	0
10/05/2023 05:00	3.643369	99.4754	11.96966	5.31307	0
10/05/2023 05:10	4.233223	96.63504	12.86963	6.6712	0
10/05/2023 05:20	3.968255	100.6915	11.82556	6.11197	0
10/05/2023 05:30	3.618072	100.3008	15.74152	5.39296	0
10/05/2023 05:40	3.819127	103.645	10.96375	5.47285	0
10/05/2023 05:50	4.046813	105.324	11.1228	5.63263	0
10/05/2023 06:00	4.112058	103.2953	13.97733	5.63263	0
10/05/2023 06:10	4.004206	102.4501	11.0253	5.63263	0
10/05/2023 06:20	4.479551	101.4449	13.29184	6.19186	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/05/2023 06:30	4.442269	101.5576	10.42105	6.27175	0
10/05/2023 06:40	4.152002	102.0521	10.19429	5.95219	0
10/05/2023 06:50	4.464905	104.2716	12.62074	6.032081	0
10/05/2023 07:00	4.140018	100.8332	12.77128	5.95219	0
10/05/2023 07:10	4.274501	103.0256	10.75202	6.11197	0
10/05/2023 07:20	4.366373	104.8167	12.09776	5.95219	0
10/05/2023 07:30	4.428954	104.2849	11.96017	5.872301	0
10/05/2023 07:40	4.369038	101.1664	12.06935	6.51142	0
10/05/2023 07:50	5.440894	98.6418	11.83908	7.70977	0
10/05/2023 08:00	4.984191	97.57937	11.77456	7.23043	0
10/05/2023 08:10	4.905631	101.1428	13.1427	7.07065	0
10/05/2023 08:20	4.740526	108.0428	11.99991	6.6712	0
10/05/2023 08:30	4.950903	104.3902	10.44472	7.23043	0
10/05/2023 08:40	5.211876	103.0694	12.4453	7.70977	0
10/05/2023 08:50	5.339702	104.8842	12.1904	7.94944	0
10/05/2023 09:00	5.729831	93.54484	13.63114	7.86955	0
10/05/2023 09:10	6.363625	91.31067	13.05161	9.46735	0
10/05/2023 09:20	6.246453	90.41205	12.86928	8.908121	0
10/05/2023 09:30	6.657887	91.60933	12.72731	8.668449	0
10/05/2023 09:40	7.06932	88.08716	10.80104	10.02658	0
10/05/2023 09:50	6.530063	94.87204	12.59485	9.227679	0
10/05/2023 10:00	5.990804	92.55507	14.50065	8.66845	0
10/05/2023 10:10	5.25848	86.55262	12.83118	8.189111	0
10/05/2023 10:20	5.495486	94.54305	13.43126	7.62988	0
10/05/2023 10:30	5.506137	94.07353	13.22543	7.78966	0
10/05/2023 10:40	5.263805	93.35442	13.32478	7.23043	0
10/05/2023 10:50	5.333042	93.57836	14.10094	7.15054	0
10/05/2023 11:00	4.548789	92.40336	13.47592	6.6712	0
10/05/2023 11:10	5.387634	87.57732	13.81643	7.31032	0
10/05/2023 11:20	5.635293	88.99548	11.83505	7.709771	0
10/05/2023 11:30	5.68589	89.84115	14.33569	8.18911	0
10/05/2023 11:40	5.491491	83.20934	10.60371	7.629881	0
10/05/2023 11:50	4.925605	83.69404	11.44587	7.470099	0
10/05/2023 12:00	5.23318	91.68869	10.30581	7.39021	0
10/05/2023 12:10	5.67657	92.0599	11.55317	7.86955	0
10/05/2023 12:20	5.623311	87.47562	12.85575	7.70977	0
10/05/2023 12:30	5.390297	84.56368	13.48941	7.54999	0
10/05/2023 12:40	5.914908	72.26886	10.18555	8.109221	0
10/05/2023 12:50	5.334374	84.17842	11.85266	7.4701	0
10/05/2023 13:00	4.640662	79.83704	13.04961	6.35164	0
10/05/2023 13:10	4.900306	82.6869	11.55688	6.99076	0
10/05/2023 13:20	4.14934	87.9915	15.02036	5.792411	0
10/05/2023 13:30	4.170644	90.24819	11.62665	5.47285	0
10/05/2023 13:40	4.130699	89.41753	11.79127	5.39296	0
10/05/2023 13:50	3.781846	89.22569	12.30242	4.91362	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/05/2023 14:00	4.012196	71.92615	12.37373	4.99351	0
10/05/2023 14:10	4.056134	74.67953	10.44138	5.31307	0
10/05/2023 14:20	3.685977	67.58868	13.14711	5.63263	0
10/05/2023 14:30	3.948283	68.05017	11.5029	5.8723	0
10/05/2023 14:40	3.773856	70.44258	12.63838	5.233181	0
10/05/2023 14:50	3.399704	59.32367	12.56479	4.833731	0
10/05/2023 15:00	3.238594	66.39703	11.08784	4.19461	0
10/05/2023 15:10	3.146719	63.7648	13.08037	4.11472	0
10/05/2023 15:20	2.478306	83.0015	16.56414	3.55549	0
10/05/2023 15:30	2.325184	77.03676	13.56649	3.23593	0
10/05/2023 15:40	2.318527	79.54053	10.69878	3.15604	0
10/05/2023 15:50	2.981614	77.33429	12.0091	3.95494	0
10/05/2023 16:00	2.644744	81.08162	11.91504	3.39571	0
10/05/2023 16:10	2.640749	67.24899	10.68451	3.4756	0
10/05/2023 16:20	2.580832	82.48552	10.51717	3.4756	0
10/05/2023 16:30	2.439693	68.79733	12.37463	3.23593	0
10/05/2023 16:40	2.001629	78.45213	14.52542	2.6767	0
10/05/2023 16:50	1.908424	93.04591	12.53023	2.6767	0
10/05/2023 17:00	2.204018	87.06675	11.62045	2.91637	0
10/05/2023 17:10	2.56086	71.83192	9.610708	3.31582	0
10/05/2023 17:20	2.287902	69.78248	9.689671	3.31582	0
10/05/2023 17:30	2.006956	79.70538	10.62466	2.83648	0
10/05/2023 17:40	1.939049	78.85191	11.21084	2.51692	0
10/05/2023 17:50	1.777938	72.10298	7.395244	2.51692	0
10/05/2023 18:00	1.79791	72.65062	7.92486	2.35714	0
10/05/2023 18:10	1.591528	78.8954	10.40846	1.95769	0
10/05/2023 18:20	1.439736	105.9889	10.63803	1.8778	0
10/05/2023 18:30	1.418432	102.3062	8.78941	1.79791	0
10/05/2023 18:40	1.590196	95.64024	8.608883	2.11747	0
10/05/2023 18:50	1.676744	84.05669	9.519131	2.19736	0
10/05/2023 19:00	1.31857	105.6406	9.56076	1.71802	0
10/05/2023 19:10	1.237349	89.85214	10.39952	1.55824	0
10/05/2023 19:20	1.273299	96.71857	10.56328	1.71802	0
10/05/2023 19:30	1.816551	83.99481	7.577976	2.27725	0
10/05/2023 19:40	2.114807	88.40617	8.872711	2.75659	0
10/05/2023 19:50	1.972336	86.87842	12.32074	2.83648	0
10/05/2023 20:00	1.162784	66.61401	16.08612	1.63813	0
10/05/2023 20:10	1.226697	75.43822	7.883538	1.71802	0
10/05/2023 20:20	1.643456	64.78155	9.304398	2.11747	0
10/05/2023 20:30	1.550251	56.37045	15.23145	2.03758	0
10/05/2023 20:40	0.9723801	64.65738	11.42019	1.23868	0
10/05/2023 20:50	0.9577336	64.11055	11.99743	1.31857	0
10/05/2023 21:00	0.4483128	122.2409	10.84766	0.8392301	0
10/05/2023 21:10	0.2498423	236.5015	8.64506	0.59956	0
10/05/2023 21:20	0.2608111	262.6889	8.317074	0.67945	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/05/2023 21:30	0.3323697	296.628	1.436014	0.9191201	0
10/05/2023 21:40	0.5591571	270.999	7.522975	0.91912	0
10/05/2023 21:50					0
10/05/2023 22:00					0
10/05/2023 22:10					0
10/05/2023 22:20	0.6985964	294.1544	3.772177	1.47835	0
10/05/2023 22:30	0.9377609	239.8239	17.06848	1.31857	0
10/05/2023 22:40	1.214713	239.0184	10.29413	1.71802	0
10/05/2023 22:50	1.473024	239.0294	10.03699	2.27725	0
10/05/2023 23:00	0.6477082	116.1808	11.94388	1.31857	0
10/05/2023 23:10	0.4000235	275.2391	33.85274	0.9191201	0
10/05/2023 23:20					0
10/05/2023 23:30					0
10/05/2023 23:40					0
10/05/2023 23:50					0
11/05/2023 00:00					0
11/05/2023 00:10	0.1305897	241.5222	28.81999	0.59956	0
11/05/2023 00:20	0.7433619	288.7005	9.264282	0.9191201	0
11/05/2023 00:30	0.1512344	310.859	5.248537	0.59956	0
11/05/2023 00:40					0
11/05/2023 00:50	0.007329667	51.85497	0.002553889	0.43978	0
11/05/2023 01:00	0.1545567	113.2898	6.626151	0.75934	0
11/05/2023 01:10	0.6377668	285.9167	44.17291	1.15879	0
11/05/2023 01:20	0.7783108	272.5843	14.01097	0.99901	0
11/05/2023 01:30	0.4902743	272.9756	10.83709	0.99901	0
11/05/2023 01:40	0.6904316	275.0679	10.85931	0.9191201	0
11/05/2023 01:50	0.3790618	310.5747	11.44356	0.75934	0
11/05/2023 02:00					0
11/05/2023 02:10					0
11/05/2023 02:20	0.923038	31.88665	6.942944	1.39846	0
11/05/2023 02:30	0.4748658	156.8466	3.817123	0.91912	0
11/05/2023 02:40	0.3184466	276.5692	18.1696	0.75934	0
11/05/2023 02:50	0.6480764	34.50461	5.676922	1.15879	0
11/05/2023 03:00	0.2265347	16.42558	12.09556	0.59956	0
11/05/2023 03:10	0.3693862	196.8432	31.08203	0.91912	0
11/05/2023 03:20	0.817926	281.9308	7.961153	0.99901	0
11/05/2023 03:30	0.3963586	279.7456	12.28964	0.9191201	0
11/05/2023 03:40	0.3740529	289.7424	13.51295	0.8392301	0
11/05/2023 03:50	0.5751734	270.1234	8.8939	0.99901	0
11/05/2023 04:00	0.3923256	180.8527	10.94561	1.0789	0
11/05/2023 04:10	0.3597103	302.3813	3.955291	0.8392301	0
11/05/2023 04:20	0.489906	63.54559	17.46111	1.15879	0
11/05/2023 04:30	0.9053984	99.46187	22.56079	1.63813	0
11/05/2023 04:40	0.44428	183.1696	9.710479	1.0789	0
11/05/2023 04:50	0.8924901	185.8877	16.49921	1.15879	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/05/2023 05:00	1.33588	51.00742	7.537649	1.55824	0
11/05/2023 05:10	2.381107	68.33488	9.212593	3.15604	0
11/05/2023 05:20	1.99364	99.38448	16.92108	2.99626	0
11/05/2023 05:30	1.11551	96.37129	13.31059	1.55824	0
11/05/2023 05:40	1.230691	61.65813	16.42615	1.71802	0
11/05/2023 05:50	1.13216	115.3887	22.71037	1.71802	0
11/05/2023 06:00	0.8155926	99.27225	21.11829	1.31857	0
11/05/2023 06:10	0.921098	90.50163	19.22046	1.55824	0
11/05/2023 06:20	1.246669	76.01648	22.58561	1.95769	0
11/05/2023 06:30	1.237678	91.89467	31.99488	2.59681	0
11/05/2023 06:40	2.208012	72.94206	9.389879	2.99626	0
11/05/2023 06:50	2.070868	75.5148	10.84845	2.99626	0
11/05/2023 07:00	1.8778	83.3921	12.99074	2.35714	0
11/05/2023 07:10	2.105486	78.50436	11.79056	2.91637	0
11/05/2023 07:20	2.008287	81.02322	13.71735	3.15604	0
11/05/2023 07:30	2.559528	86.81558	14.64186	3.71527	0
11/05/2023 07:40	2.905718	89.62992	15.03254	4.11472	0
11/05/2023 07:50	3.302505	92.4674	12.24651	4.83373	0
11/05/2023 08:00	3.134737	91.19839	16.68496	4.51417	0
11/05/2023 08:10	2.864441	84.36812	16.04469	4.11472	0
11/05/2023 08:20	3.287858	86.83575	13.05548	5.63263	0
11/05/2023 08:30	2.935011	99.20512	13.50158	4.43428	0
11/05/2023 08:40	3.733911	95.18104	14.61986	5.39296	0
11/05/2023 08:50	4.178632	101.4456	12.19699	5.39296	0
11/05/2023 09:00	3.711276	104.3827	13.5105	5.0734	0
11/05/2023 09:10	4.253196	101.2285	11.17103	5.792411	0
11/05/2023 09:20	4.378358	101.8873	12.80127	6.19186	0
11/05/2023 09:30	5.323722	102.6682	12.52455	7.39021	0
11/05/2023 09:40	5.129323	95.75832	12.52384	7.4701	0
11/05/2023 09:50	5.217203	95.03621	13.83548	7.39021	0
11/05/2023 10:00	5.688555	88.12167	14.67663	7.94944	0
11/05/2023 10:10	6.43153	86.26744	8.858437	8.268999	0
11/05/2023 10:20	6.331669	86.6582	12.06075	9.0679	0
11/05/2023 10:30	6.443516	93.57639	10.35587	8.50867	0
11/05/2023 10:40	6.122623	87.93248	11.67974	8.988009	0
11/05/2023 10:50	6.233137	90.98375	11.20565	7.94944	0
11/05/2023 11:00	5.860317	91.19502	12.01412	7.94944	0
11/05/2023 11:10	6.173219	86.85132	9.659268	8.98801	0
11/05/2023 11:20	5.568719	94.68161	12.7007	7.15054	0
11/05/2023 11:30	6.225148	86.39752	11.31408	8.82823	0
11/05/2023 11:40	6.833644	86.81477	11.17099	9.22768	0
11/05/2023 11:50	6.041401	88.90177	12.39063	8.10922	0
11/05/2023 12:00	5.757792	87.0247	11.08673	7.869551	0
11/05/2023 12:10	5.520785	82.32108	13.74743	7.54999	0
11/05/2023 12:20	5.568718	83.89589	15.04572	7.39021	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/05/2023 12:30	5.478176	91.96075	12.03287	7.31032	0
11/05/2023 12:40	5.195898	85.63129	12.83274	7.31032	0
11/05/2023 12:50	5.201224	85.73926	13.94785	8.18911	0
11/05/2023 13:00	5.684559	77.16953	13.15922	7.86955	0
11/05/2023 13:10	5.715183	76.61993	10.94949	7.94944	0
11/05/2023 13:20	6.009445	74.44646	13.95903	8.10922	0
11/05/2023 13:30	5.90692	82.04809	11.24698	8.34889	0
11/05/2023 13:40	5.929555	78.56445	11.60675	8.10922	0
11/05/2023 13:50	5.506138	79.37837	14.33016	7.4701	0
11/05/2023 14:00	5.953522	73.12935	13.08827	8.18911	0
11/05/2023 14:10	5.906919	60.92886	12.77524	8.269001	0
11/05/2023 14:20	5.539425	64.35992	13.4214	7.94944	0
11/05/2023 14:30	5.435569	67.36322	12.5419	7.54999	0
11/05/2023 14:40	5.54342	61.04671	13.23103	7.709771	0
11/05/2023 14:50	5.502143	62.84593	12.66442	8.10922	0
11/05/2023 15:00	5.475514	56.03693	13.81791	7.629881	0
11/05/2023 15:10	5.572714	64.17144	10.37978	7.31032	0
11/05/2023 15:20	5.796404	69.0024	12.17158	7.4701	0
11/05/2023 15:30	4.982859	62.73122	12.4169	6.83098	0
11/05/2023 15:40	4.964217	72.26167	10.72941	6.83098	0
11/05/2023 15:50	4.492866	66.24291	13.67184	6.51142	0
11/05/2023 16:00	4.243876	62.06319	12.02874	5.712521	0
11/05/2023 16:10	4.346401	69.63608	12.86174	6.27175	0
11/05/2023 16:20	4.266511	69.03362	11.26826	5.63263	0
11/05/2023 16:30	4.30113	65.9026	10.58582	5.472851	0
11/05/2023 16:40	4.246539	69.20856	12.76196	5.8723	0
11/05/2023 16:50	2.988271	57.97937	16.17828	4.2745	0
11/05/2023 17:00	3.727253	60.13971	11.93956	5.31307	0
11/05/2023 17:10	3.166692	60.22321	10.26778	4.19461	0
11/05/2023 17:20	2.588821	60.12471	12.5075	3.79516	0
11/05/2023 17:30	2.445019	61.01711	11.85548	3.23593	0
11/05/2023 17:40	2.080188	65.23045	11.18718	2.59681	0
11/05/2023 17:50	2.231979	54.93452	11.27818	3.15604	0
11/05/2023 18:00	2.040243	59.86133	9.358465	2.6767	0
11/05/2023 18:10	1.98432	61.10937	9.023222	2.51692	0
11/05/2023 18:20	1.651445	63.78546	10.47096	2.11747	0
11/05/2023 18:30	1.607506	69.85356	9.461506	1.95769	0
11/05/2023 18:40	1.4424	61.68864	6.465036	1.8778	0
11/05/2023 18:50	1.409112	64.25057	7.339167	1.95769	0
11/05/2023 19:00	1.45172	61.56425	9.801699	1.8778	0
11/05/2023 19:10	1.315907	57.04707	6.670865	1.55824	0
11/05/2023 19:20	1.166779	58.39695	8.57676	1.55824	0
11/05/2023 19:30	0.9936842	69.71952	9.880733	1.31857	0
11/05/2023 19:40	1.21205	49.4398	6.725441	1.55824	0
11/05/2023 19:50	1.254658	53.60683	7.400266	1.71802	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/05/2023 20:00	1.390471	52.88364	5.283077	1.63813	0
11/05/2023 20:10	1.196072	50.9839	5.65399	1.55824	0
11/05/2023 20:20	1.298598	46.717	6.276381	1.47835	0
11/05/2023 20:30	1.076237	40.09368	7.598721	1.39846	0
11/05/2023 20:40	0.855208	22.51871	14.65314	1.0789	0
11/05/2023 20:50	0.5255527	20.85051	16.87733	0.9191201	0
11/05/2023 21:00					0
11/05/2023 21:10	0.9120045	35.02264	4.979055	1.63813	0
11/05/2023 21:20	0.8631333	48.81525	7.675823	1.31857	0
11/05/2023 21:30					0
11/05/2023 21:40	0.1465677	302.508	0.6874721	0.75934	0
11/05/2023 21:50	0.2781078	293.7731	7.088465	0.8392301	0
11/05/2023 22:00					0
11/05/2023 22:10					0
11/05/2023 22:20					0
11/05/2023 22:30	0.4163695	298.0455	5.439332	0.75934	0
11/05/2023 22:40					0
11/05/2023 22:50					0
11/05/2023 23:00					0
11/05/2023 23:10					0
11/05/2023 23:20	0.09924165	42.15985	5.398581	0.99901	0
11/05/2023 23:30	0.087956	40.70285	8.893906	0.43978	0
11/05/2023 23:40	0.1888974	30.91336	14.28493	0.59956	0
11/05/2023 23:50	0.205205	46.12617	10.97902	0.75934	0
12/05/2023 00:00	0.01465933	181.8962	0.1587142	0.43978	0
12/05/2023 00:10					0
12/05/2023 00:20	0.02931866	272.2023	1.466076	0.43978	0
12/05/2023 00:30	0.036978	213.46	1.007695	0.51967	0
12/05/2023 00:40	0.09860803	115.6709	3.65226	0.59956	0
12/05/2023 00:50	0.7024152	76.23449	10.62361	0.99901	0
12/05/2023 01:00	0.2944797	123.2297	32.5993	0.75934	0
12/05/2023 01:10					0
12/05/2023 01:20	0.007329667	283.298	0.001276945	0.43978	0
12/05/2023 01:30					0
12/05/2023 01:40	0.20452	289.6539	5.302562	0.75934	0
12/05/2023 01:50	0.05863733	254.4496	3.964189	0.43978	0
12/05/2023 02:00	0.214487	226.4431	4.424531	1.23868	0
12/05/2023 02:10	1.157459	242.7531	10.29082	1.47835	0
12/05/2023 02:20	1.530278	242.2436	9.245264	1.95769	0
12/05/2023 02:30	1.481014	242.8479	10.63857	2.11747	0
12/05/2023 02:40	1.170431	240.9109	10.70047	1.95769	0
12/05/2023 02:50	0.980369	244.3248	9.957815	1.23868	0
12/05/2023 03:00	0.5395654	276.1664	9.726431	0.9191201	0
12/05/2023 03:10	0.2564614	273.4399	4.896994	0.9191201	0
12/05/2023 03:20					0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/05/2023 03:30					0
12/05/2023 03:40					0
12/05/2023 03:50	0.320399	297.4148	2.292452	0.9191201	0
12/05/2023 04:00	0.3690436	295.9619	3.041594	0.9191201	0
12/05/2023 04:10	0.14989	358.5194	7.558673	0.75934	0
12/05/2023 04:20	1.170774	27.68668	8.213961	1.55824	0
12/05/2023 04:30	1.535605	43.70448	4.740416	1.71802	0
12/05/2023 04:40	1.48767	44.79414	5.039406	1.79791	0
12/05/2023 04:50	1.299929	52.62965	7.798319	1.63813	0
12/05/2023 05:00	1.1761	68.20252	10.97333	1.47835	0
12/05/2023 05:10	1.109524	75.72894	12.63868	1.47835	0
12/05/2023 05:20	1.177431	68.42159	9.934111	1.55824	0
12/05/2023 05:30	1.233355	59.01092	10.80516	1.55824	0
12/05/2023 05:40	1.062922	61.3663	11.09096	1.55824	0
12/05/2023 05:50	1.700711	82.02853	16.75126	2.59681	0
12/05/2023 06:00	2.700667	74.68636	9.090063	3.71527	0
12/05/2023 06:10	2.618114	80.38226	8.626579	3.4756	0
12/05/2023 06:20	2.65007	81.50958	10.33222	3.39571	0
12/05/2023 06:30	2.644744	82.34122	8.747166	3.55549	0
12/05/2023 06:40	2.717977	84.47177	11.55617	3.71527	0
12/05/2023 06:50	2.884414	85.07896	10.14242	3.87505	0
12/05/2023 07:00	2.88974	86.65801	9.706147	3.63538	0
12/05/2023 07:10	3.137399	85.7891	10.34296	4.43428	0
12/05/2023 07:20	2.905718	80.58067	11.20025	3.79516	0
12/05/2023 07:30	2.642081	86.14588	11.98729	3.79516	0
12/05/2023 07:40	2.516921	92.46327	14.4977	4.03483	0
12/05/2023 07:50	2.686021	99.5069	12.78517	4.19461	0
12/05/2023 08:00	2.701999	99.92591	13.35131	3.95494	0
12/05/2023 08:10	2.897729	97.09786	13.64387	4.03483	0
12/05/2023 08:20	2.931016	106.6161	12.68625	4.35439	0
12/05/2023 08:30	3.285197	108.0397	13.81611	5.23318	0
12/05/2023 08:40	3.162697	100.1094	14.46194	4.99351	0
12/05/2023 08:50	3.824453	99.47609	11.30589	5.55274	0
12/05/2023 09:00	3.693967	101.7301	13.20176	5.392961	0
12/05/2023 09:10	3.468943	102.5983	13.68555	4.67395	0
12/05/2023 09:20	3.958934	94.02544	15.01663	6.03208	0
12/05/2023 09:30	4.776477	89.99039	14.21467	7.4701	0
12/05/2023 09:40	4.579412	84.75908	12.14539	6.59131	0
12/05/2023 09:50	5.114677	82.09032	12.19529	7.31032	0
12/05/2023 10:00	6.193192	85.60345	10.81565	8.58856	0
12/05/2023 10:10	6.052053	89.84086	12.52656	7.94944	0
12/05/2023 10:20	5.427579	90.9435	11.31765	7.78966	0
12/05/2023 10:30	6.237132	76.84901	11.63746	8.74834	0
12/05/2023 10:40	6.949484	80.86726	10.02784	9.147789	0
12/05/2023 10:50	5.878958	85.76669	13.76596	8.508671	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/05/2023 11:00	6.611284	89.21653	12.2289	9.46735	0
12/05/2023 11:10	6.559356	83.16456	11.71676	8.82823	0
12/05/2023 11:20	6.210503	88.87596	12.15021	8.74834	0
12/05/2023 11:30	6.044065	90.10284	11.75781	8.988009	0
12/05/2023 11:40	6.372945	87.30421	10.91808	9.147789	0
12/05/2023 11:50	6.174551	74.37697	11.5359	8.50867	0
12/05/2023 12:00	6.468813	76.4218	14.03188	8.42878	0
12/05/2023 12:10	6.805682	78.42684	10.53013	8.74834	0
12/05/2023 12:20	6.576666	81.64536	11.93993	8.668449	0
12/05/2023 12:30	6.131944	77.70276	11.77551	8.58856	0
12/05/2023 12:40	5.668581	81.94487	13.45758	7.94944	0
12/05/2023 12:50	5.613989	83.45925	13.27393	7.94944	0
12/05/2023 13:00	5.965506	83.28239	11.51475	8.109221	0
12/05/2023 13:10	6.253109	81.10258	12.29056	8.34889	0
12/05/2023 13:20	6.57267	75.81764	11.19548	9.22768	0
12/05/2023 13:30	6.198518	73.56146	12.6708	8.98801	0
12/05/2023 13:40	5.928224	76.14301	14.38873	7.86955	0
12/05/2023 13:50	6.422211	71.57021	11.08295	9.147789	0
12/05/2023 14:00	5.977489	69.83549	14.21898	8.109221	0
12/05/2023 14:10	5.982816	74.82237	13.21688	8.668449	0
12/05/2023 14:20	6.07602	58.92208	12.48286	8.109221	0
12/05/2023 14:30	6.371614	63.44155	11.16728	8.42878	0
12/05/2023 14:40	6.009446	65.8756	11.6319	8.269001	0
12/05/2023 14:50	5.99613	66.41209	12.76091	8.34889	0
12/05/2023 15:00	6.161237	63.78075	12.71594	8.109221	0
12/05/2023 15:10	6.05871	58.87912	11.82958	9.0679	0
12/05/2023 15:20	6.343653	64.50807	11.99582	8.668449	0
12/05/2023 15:30	5.801732	64.45187	10.42665	7.54999	0
12/05/2023 15:40	5.431575	63.83722	12.9312	7.86955	0
12/05/2023 15:50	5.012152	56.49362	12.06611	6.83098	0
12/05/2023 16:00	5.974827	57.82582	12.4857	7.86955	0
12/05/2023 16:10	5.456873	58.78803	11.63509	6.99076	0
12/05/2023 16:20	4.860361	51.8344	14.3228	7.15054	0
12/05/2023 16:30	4.72721	59.74525	12.19085	6.27175	0
12/05/2023 16:40	4.803106	47.2107	11.69852	6.35164	0
12/05/2023 16:50	4.988184	58.16138	11.83874	6.6712	0
12/05/2023 17:00	4.588735	59.6841	12.76026	6.19186	0
12/05/2023 17:10	4.367706	59.94642	12.16591	5.71252	0
12/05/2023 17:20	3.615408	58.24504	10.85686	5.153291	0
12/05/2023 17:30	3.238594	57.42017	10.9935	4.75384	0
12/05/2023 17:40	3.045526	58.01949	12.61125	4.2745	0
12/05/2023 17:50	3.470275	58.43488	10.76297	5.15329	0
12/05/2023 18:00	3.006912	56.00153	10.65803	4.19461	0
12/05/2023 18:10	2.274587	53.79914	13.51329	3.4756	0
12/05/2023 18:20	1.595522	57.34489	12.21321	2.27725	0



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/05/2023 18:30	0.9444185	101.8081	25.39815	1.71802	0
12/05/2023 18:40	1.206724	111.8925	11.34863	1.79791	0
12/05/2023 18:50	0.9856948	62.00042	15.57304	1.47835	0
12/05/2023 19:00	0.6304244	61.99722	8.809038	1.23868	0
12/05/2023 19:10	0.4066297	65.94046	8.742655	0.91912	0
12/05/2023 19:20	0.6127723	53.15538	6.756014	1.23868	0
12/05/2023 19:30	0.2351573	140.6367	3.197693	0.75934	0
12/05/2023 19:40	0.3224283	208.556	6.792851	0.75934	0
12/05/2023 19:50					0
12/05/2023 20:00	0.007329667	127.477	0	0.43978	0
12/05/2023 20:10	0.7716018	247.8577	44.48448	1.31857	0
12/05/2023 20:20	0.7220195	235.8824	22.23705	1.0789	0
12/05/2023 20:30	0.196835	254.0518	10.26417	0.91912	0
12/05/2023 20:40	0.3697414	80.08865	25.57532	0.8392301	0
12/05/2023 20:50					0
12/05/2023 21:00	0.3462926	314.5356	3.260608	1.55824	0
12/05/2023 21:10	0.3380254	179.7004	28.29941	1.15879	0
12/05/2023 21:20	0.330366	311.9483	21.49398	1.23868	0
12/05/2023 21:30	0.4230144	190.5454	62.04401	0.9191201	0
12/05/2023 21:40	0.024652	254.8829	0.12813	0.59956	0
12/05/2023 21:50	0.2574375	296.0088	2.074322	1.0789	0
12/05/2023 22:00	0.021989	304.3218	0.4380335	0.43978	0
12/05/2023 22:10	0.5314866	294.3882	7.594716	1.23868	0
12/05/2023 22:20	0.007329667	227.4705	0	0.43978	0
12/05/2023 22:30					0
12/05/2023 22:40					0
12/05/2023 22:50	0.01465933	313.1496	0.395629	0.43978	0
12/05/2023 23:00	0.007329667	132.8748	0	0.43978	0
12/05/2023 23:10					0
12/05/2023 23:20	0.043978	247.4202	4.282298	0.43978	0
12/05/2023 23:30	0.03664833	236.3421	4.553377	0.43978	0
12/05/2023 23:40	0.02565384	227.1	1.431391	0.43978	0
12/05/2023 23:50	0.0919505	289.1043	4.478681	0.51967	0
13/05/2023 00:00	0.02931866	156.1418	0.8494269	0.43978	0
13/05/2023 00:10					0
13/05/2023 00:20	0.0109945	177.7314	0.1259661	0.43978	0
13/05/2023 00:30	0.007329667	271.0199	0	0.43978	0
13/05/2023 00:40	0.0109945	283.2881	0.03232028	0.43978	0
13/05/2023 00:50	0.1069266	247.1669	5.631014	0.75934	0
13/05/2023 01:00	0.8940485	225.9003	14.3817	1.8778	0
13/05/2023 01:10	0.05163734	246.6659	10.65583	0.51967	0
13/05/2023 01:20	0.02565384	240.6376	4.833098	0.43978	0
13/05/2023 01:30	0.04297617	208.6471	6.751465	0.51967	0
13/05/2023 01:40	0.1798295	245.0629	10.89615	0.99901	0
13/05/2023 01:50	0.1189102	251.8077	6.790627	0.75934	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/05/2023 02:00	0.774873	227.5868	42.84666	1.8778	0
13/05/2023 02:10	1.173766	183.4721	61.79218	2.19736	0
13/05/2023 02:20	1.076237	169.8372	76.28811	1.8778	0
13/05/2023 02:30	1.10553	219.4364	58.70901	2.6767	0
13/05/2023 02:40	1.13216	205.5988	56.86956	2.75659	0
13/05/2023 02:50	1.249662	219.3432	44.25098	2.51692	0
13/05/2023 03:00	0.4562634	89.68544	44.16473	1.15879	0
13/05/2023 03:10	1.116156	194.1564	51.24509	2.51692	0
13/05/2023 03:20	1.429085	222.5708	31.93298	2.59681	0
13/05/2023 03:30	1.354521	217.6306	25.79598	2.03758	0
13/05/2023 03:40	1.289277	189.088	61.65461	2.6767	0
13/05/2023 03:50	1.524953	223.8087	23.31897	2.19736	0
13/05/2023 04:00	1.232327	150.9621	53.0578	2.51692	0
13/05/2023 04:10	1.299929	207.975	71.55437	2.59681	0
13/05/2023 04:20	1.009966	185.3887	83.75034	2.51692	0
13/05/2023 04:30	1.146806	146.6945	79.50323	2.35714	0
13/05/2023 04:40	1.571555	299.057	89.91541	3.07615	0
13/05/2023 04:50	1.283951	185.2238	49.9229	2.35714	0
13/05/2023 05:00	1.453052	176.662	61.1221	3.07615	0
13/05/2023 05:10	1.342538	168.3052	48.78119	2.27725	0
13/05/2023 05:20	1.775275	135.4413	29.46232	2.99626	0
13/05/2023 05:30	0.7373379	74.76491	26.04961	1.15879	0
13/05/2023 05:40	0.5162835	270.6044	19.33482	0.9191201	0
13/05/2023 05:50	0.4626426	186.8332	30.13945	1.0789	0
13/05/2023 06:00	0.5860654	42.07344	8.356478	1.55824	0
13/05/2023 06:10	1.580876	56.82861	6.945393	1.95769	0
13/05/2023 06:20	1.138818	61.3071	8.576759	1.55824	0
13/05/2023 06:30	1.263978	67.19919	11.35888	1.79791	0
13/05/2023 06:40	1.512969	59.13697	8.634777	1.8778	0
13/05/2023 06:50	1.720683	59.30145	12.01924	2.51692	0
13/05/2023 07:00	1.646119	58.03141	8.595347	2.11747	0
13/05/2023 07:10	1.631473	74.49791	13.42008	2.19736	0
13/05/2023 07:20	1.715357	90.98422	10.79781	2.43703	0
13/05/2023 07:30	1.800573	92.04811	9.823864	2.43703	0
13/05/2023 07:40	1.100204	108.3474	13.23219	1.39846	0
13/05/2023 07:50	0.7906237	182.9525	23.42681	1.23868	0
13/05/2023 08:00	0.9151255	192.7853	41.46754	1.55824	0
13/05/2023 08:10	1.259984	206.5615	39.32056	2.43703	0
13/05/2023 08:20	0.8858324	176.9097	78.65868	1.79791	0
13/05/2023 08:30	2.03758	141.0072	26.04718	3.07615	0
13/05/2023 08:40	2.728629	130.075	15.77756	4.19461	0
13/05/2023 08:50	3.287859	136.3426	15.28928	4.59406	0
13/05/2023 09:00	3.126747	134.3066	15.20502	4.75384	0
13/05/2023 09:10	3.266554	129.9378	15.42167	4.91362	0
13/05/2023 09:20	3.739238	129.2151	14.33426	5.23318	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/05/2023 09:30	3.869724	125.3838	15.75482	5.55274	0
13/05/2023 09:40	3.724591	129.8802	14.86313	5.47285	0
13/05/2023 09:50	4.052139	124.2453	16.6903	5.55274	0
13/05/2023 10:00	4.848377	102.4987	10.91342	6.91087	0
13/05/2023 10:10	4.7099	107.6546	12.35585	6.6712	0
13/05/2023 10:20	4.982858	106.0858	12.20826	6.75109	0
13/05/2023 10:30	4.925604	98.16873	11.56999	6.75109	0
13/05/2023 10:40	5.257147	100.9965	12.81239	7.4701	0
13/05/2023 10:50	6.229144	99.37146	12.84254	7.94944	0
13/05/2023 11:00	5.450214	102.9917	13.87674	7.39021	0
13/05/2023 11:10	5.617984	92.61272	13.73211	8.109221	0
13/05/2023 11:20	5.696542	85.59821	11.79049	7.31032	0
13/05/2023 11:30	5.287771	88.11623	13.10771	6.91087	0
13/05/2023 11:40	5.572714	79.153	8.912975	7.4701	0
13/05/2023 11:50	5.511464	85.50607	13.18263	7.54999	0
13/05/2023 12:00	5.578039	87.37026	12.56859	7.15054	0
13/05/2023 12:10	5.916241	84.8347	11.3628	7.78966	0
13/05/2023 12:20	5.613989	81.83873	10.88626	7.62988	0
13/05/2023 12:30	5.687222	83.136	11.78345	7.15054	0
13/05/2023 12:40	5.576707	91.25343	12.44861	7.39021	0
13/05/2023 12:50	5.31307	95.19258	12.41397	6.99076	0
13/05/2023 13:00	4.815089	90.69475	11.6487	6.27175	0
13/05/2023 13:10	4.062792	83.69182	13.85152	6.19186	0
13/05/2023 13:20	4.456916	77.59993	13.92704	6.27175	0
13/05/2023 13:30	4.234555	82.89395	12.87985	5.63263	0
13/05/2023 13:40	4.104068	83.24361	14.11711	5.63263	0
13/05/2023 13:50	4.005538	77.85826	12.91331	5.39296	0
13/05/2023 14:00	3.891028	76.20338	11.61589	5.31307	0
13/05/2023 14:10	3.518209	79.13657	16.13173	4.75384	0
13/05/2023 14:20	3.666005	96.53191	12.93246	4.99351	0
13/05/2023 14:30	3.658015	98.24277	14.23061	5.233181	0
13/05/2023 14:40	3.542175	84.16225	15.37999	4.99351	0
13/05/2023 14:50	3.607419	79.35895	12.63464	4.99351	0
13/05/2023 15:00	3.763205	70.80106	13.75173	4.99351	0
13/05/2023 15:10	3.170687	61.36162	16.16338	4.35439	0
13/05/2023 15:20	3.543507	60.81087	14.11106	4.83373	0
13/05/2023 15:30	3.860404	53.38017	15.68367	4.99351	0
13/05/2023 15:40	3.843094	54.39095	12.46632	5.39296	0
13/05/2023 15:50	3.885702	64.07426	11.08666	4.99351	0
13/05/2023 16:00	3.720596	61.7272	14.34168	5.23318	0
13/05/2023 16:10	2.716645	40.87263	20.3346	4.19461	0
13/05/2023 16:20	3.013569	32.39883	16.38545	4.35439	0
13/05/2023 16:30	2.654065	24.97515	18.14387	3.79516	0
13/05/2023 16:40	2.488958	13.86901	20.59098	3.95494	0
13/05/2023 16:50	3.164029	42.7932	15.50157	4.35439	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/05/2023 17:00	2.876425	30.82941	13.95388	3.87505	0
13/05/2023 17:10	2.330509	181.4585	15.80768	3.15604	0
13/05/2023 17:20	2.315864	2.670157	20.16496	3.4756	0
13/05/2023 17:30	2.450345	356.8301	20.09587	3.55549	0
13/05/2023 17:40	2.813845	3.757905	18.20416	4.03483	0
13/05/2023 17:50	2.438361	7.710674	17.17566	3.71527	0
13/05/2023 18:00	2.628767	7.593044	17.92189	3.87505	0
13/05/2023 18:10	2.893735	180.7638	15.13009	4.2745	0
13/05/2023 18:20	2.353145	169.6085	24.38513	3.71527	0
13/05/2023 18:30	2.017607	316.2938	24.08829	3.31582	0
13/05/2023 18:40	1.371145	322.6111	41.79412	2.83648	0
13/05/2023 18:50	1.849839	274.8546	21.4238	2.91637	0
13/05/2023 19:00	1.359504	262.395	29.3113	2.59681	0
13/05/2023 19:10	1.203033	246.9515	50.61262	1.95769	0
13/05/2023 19:20	0.7705743	201.3773	35.29245	1.39846	0
13/05/2023 19:30	0.8005011	167.973	29.73092	2.11747	0
13/05/2023 19:40	1.84185	311.9762	20.75243	2.91637	0
13/05/2023 19:50	1.343513	335.9595	31.98946	2.43703	0
13/05/2023 20:00	1.117488	306.4237	29.38514	2.03758	0
13/05/2023 20:10	0.6516896	235.2343	37.07782	1.63813	0
13/05/2023 20:20	1.672749	250.7679	17.60235	2.51692	0
13/05/2023 20:30	1.945706	257.6749	10.7753	2.59681	0
13/05/2023 20:40	1.920408	254.7581	8.538532	2.75659	0
13/05/2023 20:50	2.662054	255.5277	6.695109	3.39571	0
13/05/2023 21:00	2.370455	257.7948	8.212062	3.15604	0
13/05/2023 21:10	1.94837	252.1202	8.608717	2.75659	0
13/05/2023 21:20	1.210719	255.7783	8.288038	2.03758	0
13/05/2023 21:30	1.402454	253.3885	6.738188	2.11747	0
13/05/2023 21:40	1.592859	257.3041	6.596215	2.11747	0
13/05/2023 21:50	1.508975	255.5719	7.582299	2.11747	0
13/05/2023 22:00	1.098872	255.4032	6.396632	1.55824	0
13/05/2023 22:10	1.294603	261.246	8.556267	1.79791	0
13/05/2023 22:20	1.097541	263.4133	12.60291	1.95769	0
13/05/2023 22:30	1.687396	265.5609	10.7409	2.51692	0
13/05/2023 22:40	1.550251	263.9528	10.42299	2.11747	0
13/05/2023 22:50	1.322564	269.0039	12.51261	2.11747	0
13/05/2023 23:00	1.250664	269.2681	13.41392	2.03758	0
13/05/2023 23:10	1.473024	266.3661	11.79047	2.43703	0
13/05/2023 23:20	1.615494	263.6678	10.57687	2.19736	0
13/05/2023 23:30	1.487671	266.0443	11.01682	2.27725	0
13/05/2023 23:40	1.037624	267.1927	11.5571	1.55824	0
13/05/2023 23:50	0.8951531	268.285	14.30275	1.31857	0
14/05/2023 00:00	1.374493	263.92	10.79869	1.8778	0
14/05/2023 00:10	1.373162	267.8478	11.53988	1.95769	0
14/05/2023 00:20	1.475687	264.2917	11.13889	1.95769	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/05/2023 00:30	1.30925	262.7675	10.49709	1.63813	0
14/05/2023 00:40	1.42509	261.5817	10.20083	1.79791	0
14/05/2023 00:50	1.30126	258.5894	8.86293	1.63813	0
14/05/2023 01:00	1.45172	246.2626	6.005783	1.71802	0
14/05/2023 01:10	1.266642	259.0973	6.4543	1.47835	0
14/05/2023 01:20	1.298597	262.6873	4.866938	1.47835	0
14/05/2023 01:30	1.041618	246.5144	8.800128	1.47835	0
14/05/2023 01:40	1.124171	242.1842	8.03217	1.55824	0
14/05/2023 01:50	0.719395	256.5326	8.80784	1.0789	0
14/05/2023 02:00	0.6603767	228.8759	16.33388	1.23868	0
14/05/2023 02:10	0.1588936	238.5569	4.327218	0.59956	0
14/05/2023 02:20	0.007329667	252.6705	0.003611745	0.43978	0
14/05/2023 02:30					0
14/05/2023 02:40					0
14/05/2023 02:50	0.3490328	276.73	4.527897	0.99901	0
14/05/2023 03:00	0.3876719	262.7679	3.173121	0.83923	0
14/05/2023 03:10	1.194741	268.5325	8.231907	1.47835	0
14/05/2023 03:20	1.209387	280.7399	8.716164	1.47835	0
14/05/2023 03:30	1.125503	264.5237	8.065681	1.47835	0
14/05/2023 03:40	0.36567	270.6888	6.718552	1.15879	0
14/05/2023 03:50	1.072242	263.8348	10.77501	1.39846	0
14/05/2023 04:00	0.2950876	148.5488	18.68361	0.99901	0
14/05/2023 04:10	0.5838346	253.6666	13.02813	1.0789	0
14/05/2023 04:20	0.2281573	286.0524	2.990633	0.67945	0
14/05/2023 04:30	0.3077049	248.0458	15.23008	1.0789	0
14/05/2023 04:40	0.7839025	236.7821	39.79067	2.03758	0
14/05/2023 04:50	0.9817004	264.6689	25.41758	1.31857	0
14/05/2023 05:00	0.6374627	265.8333	19.23528	1.15879	0
14/05/2023 05:10	1.153464	280.3419	12.63599	1.55824	0
14/05/2023 05:20	0.8841585	281.2012	9.307984	1.63813	0
14/05/2023 05:30	1.267973	308.7135	14.22246	1.79791	0
14/05/2023 05:40	0.7489793	179.9937	38.22104	1.23868	0
14/05/2023 05:50	0.9370633	31.44837	43.52613	1.47835	0
14/05/2023 06:00	1.002003	60.5549	33.79987	1.63813	0
14/05/2023 06:10	1.202729	111.9065	22.52127	1.79791	0
14/05/2023 06:20	1.326559	126.4677	14.11034	2.03758	0
14/05/2023 06:30	1.935055	118.7455	9.977787	2.75659	0
14/05/2023 06:40	1.996304	114.3799	11.54395	2.75659	0
14/05/2023 06:50	2.126791	101.89	10.97306	2.99626	0
14/05/2023 07:00	2.488959	108.7425	9.266224	3.39571	0
14/05/2023 07:10	2.741944	117.7485	10.08082	3.79516	0
14/05/2023 07:20	3.180008	110.9312	10.389	4.51417	0
14/05/2023 07:30	3.500899	107.1449	9.148554	4.91362	0
14/05/2023 07:40	4.064124	94.62332	10.52594	5.233181	0
14/05/2023 07:50	3.685977	93.33775	12.25954	4.673951	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/05/2023 08:00	3.432992	91.76962	11.47441	5.0734	0
14/05/2023 08:10	4.060129	92.91764	11.70674	5.472851	0
14/05/2023 08:20	4.024178	90.52429	11.16834	5.472851	0
14/05/2023 08:30	4.676612	90.76236	11.52616	6.27175	0
14/05/2023 08:40	5.036119	88.85178	10.72687	6.6712	0
14/05/2023 08:50	5.150628	91.52993	11.03937	6.91087	0
14/05/2023 09:00	5.700537	88.71527	9.864891	7.94944	0
14/05/2023 09:10	5.869637	88.92952	11.54986	8.18911	0
14/05/2023 09:20	6.056048	87.78291	10.36187	8.10922	0
14/05/2023 09:30	5.57804	98.54851	12.73791	7.39021	0
14/05/2023 09:40	5.384973	96.31995	12.0057	7.15054	0
14/05/2023 09:50	5.56073	105.4564	10.46203	7.70977	0
14/05/2023 10:00	6.060042	101.4236	11.93001	7.949441	0
14/05/2023 10:10	5.101363	95.0862	13.59875	6.91087	0
14/05/2023 10:20	5.877627	100.8985	11.9549	7.86955	0
14/05/2023 10:30	5.787085	101.8201	13.06721	7.54999	0
14/05/2023 10:40	5.787085	102.5876	13.21733	8.189111	0
14/05/2023 10:50	5.664586	102.6749	11.57062	7.15054	0
14/05/2023 11:00	5.198562	111.7081	12.93941	6.83098	0
14/05/2023 11:10	4.989515	103.1957	14.15271	6.75109	0
14/05/2023 11:20	4.934924	101.0628	11.97881	6.43153	0
14/05/2023 11:30	4.347733	105.2788	13.71928	5.95219	0
14/05/2023 11:40	4.459579	92.07866	14.77579	6.43153	0
14/05/2023 11:50	4.495529	95.24403	15.36724	6.11197	0
14/05/2023 12:00	4.672619	85.54176	13.59375	6.59131	0
14/05/2023 12:10	4.323766	95.03897	13.82662	6.59131	0
14/05/2023 12:20	4.764492	85.64252	12.07502	6.032081	0
14/05/2023 12:30	4.211919	92.46295	12.36715	6.03208	0
14/05/2023 12:40	3.861735	94.20993	13.28283	5.153291	0
14/05/2023 12:50	3.903011	98.15134	16.81068	5.63263	0
14/05/2023 13:00	3.789834	89.15949	14.56581	4.91362	0
14/05/2023 13:10	3.712607	76.82277	13.1401	4.91362	0
14/05/2023 13:20	3.403699	75.9828	13.98732	4.75384	0
14/05/2023 13:30	3.231936	77.48313	16.72112	4.59406	0
14/05/2023 13:40	2.888409	76.15524	18.32347	4.51417	0
14/05/2023 13:50	2.81784	86.17219	16.4898	3.95494	0
14/05/2023 14:00	3.102779	80.09711	14.91948	4.75384	0
14/05/2023 14:10	3.058841	73.31467	14.37422	4.59406	0
14/05/2023 14:20	2.749933	68.02848	25.33772	4.43428	0
14/05/2023 14:30	2.580832	62.37659	13.9172	3.95494	0
14/05/2023 14:40	1.520958	179.7929	86.33445	4.43428	0
14/05/2023 14:50	4.050807	254.8138	20.43667	5.95219	0
14/05/2023 15:00	4.861691	241.5793	10.83259	6.59131	0
14/05/2023 15:10	5.036119	248.9905	12.32543	6.83098	0
14/05/2023 15:20	5.479507	253.0845	11.31128	7.07065	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/05/2023 15:30	5.305081	257.7924	11.30543	6.6712	0
14/05/2023 15:40	4.906963	256.4771	12.4455	6.43153	0
14/05/2023 15:50	5.038781	254.1439	11.64777	6.91087	0
14/05/2023 16:00	5.451547	257.5985	12.98524	6.91087	0
14/05/2023 16:10	5.108019	259.6042	11.00276	6.59131	0
14/05/2023 16:20	5.202557	254.6217	11.56451	7.15054	0
14/05/2023 16:30	5.185246	259.865	9.88845	6.99076	0
14/05/2023 16:40	5.317065	264.1489	10.20725	6.75109	0
14/05/2023 16:50	5.133317	257.5198	10.46177	6.59131	0
14/05/2023 17:00	4.876339	258.6964	11.36778	6.51142	0
14/05/2023 17:10	4.094748	255.2605	10.41622	5.31307	0
14/05/2023 17:20	4.343738	255.4179	10.93571	5.792411	0
14/05/2023 17:30	3.949615	259.3113	9.73736	5.153291	0
14/05/2023 17:40	4.631341	261.571	8.254975	6.032081	0
14/05/2023 17:50	4.14135	257.5919	11.00315	5.71252	0
14/05/2023 18:00	4.266511	261.7654	10.31186	5.712521	0
14/05/2023 18:10	3.765868	261.129	8.900523	4.75384	0
14/05/2023 18:20	4.190615	258.0584	8.931198	5.472851	0
14/05/2023 18:30	4.26518	259.2889	10.37825	5.792411	0
14/05/2023 18:40	3.731248	262.4949	10.81957	5.0734	0
14/05/2023 18:50	3.145388	267.9634	13.24321	4.03483	0
14/05/2023 19:00	2.731292	263.1599	10.39823	3.63538	0
14/05/2023 19:10	2.759253	271.7073	13.29058	3.79516	0
14/05/2023 19:20	2.776562	266.2992	11.87037	3.63538	0
14/05/2023 19:30	2.4104	263.5565	10.7535	3.15604	0
14/05/2023 19:40	2.788546	265.6708	10.88541	3.79516	0
14/05/2023 19:50	3.570137	260.3525	7.967007	4.43428	0
14/05/2023 20:00	3.4756	261.5676	8.037725	4.51417	0
14/05/2023 20:10	3.484921	260.8979	8.609774	4.43428	0
14/05/2023 20:20	3.458291	257.6345	9.840458	4.67395	0
14/05/2023 20:30	3.926979	255.5891	10.59527	5.39296	0
14/05/2023 20:40	3.528861	254.1239	11.31761	4.67395	0
14/05/2023 20:50	2.962973	261.671	10.66887	4.03483	0
14/05/2023 21:00	3.029548	257.0287	10.72152	3.79516	0
14/05/2023 21:10	2.764579	257.2626	9.813309	3.63538	0
14/05/2023 21:20	2.539556	256.2855	9.27799	3.31582	0
14/05/2023 21:30	1.833861	227.6726	20.31298	2.51692	0
14/05/2023 21:40	0.9657223	242.1068	12.94342	1.71802	0
14/05/2023 21:50	1.40778	259.8533	7.229609	1.79791	0
14/05/2023 22:00	1.968341	261.15	5.924193	2.27725	0
14/05/2023 22:10	2.279913	260.988	8.21748	2.83648	0
14/05/2023 22:20	1.780601	258.2776	9.228766	2.19736	0
14/05/2023 22:30	1.690058	260.1886	6.583074	2.11747	0
14/05/2023 22:40	1.279956	233.8773	7.470587	1.47835	0
14/05/2023 22:50	1.004336	264.9557	14.63204	1.31857	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/05/2023 23:00	0.8012115	279.9792	8.799482	1.55824	0
14/05/2023 23:10					0
14/05/2023 23:20					0
14/05/2023 23:30	0.021989	300.6363	0.4512682	0.43978	0
14/05/2023 23:40	0.04031316	295.7086	1.217821	0.43978	0
14/05/2023 23:50	0.007329667	305.3496	0.002553889	0.43978	0
15/05/2023 00:00	0.007329667	279.6969	0.002553889	0.43978	0
15/05/2023 00:10	0.01465933	249.4925	1.690398	0.43978	0
15/05/2023 00:20	0.1039468	118.388	9.260383	0.51967	0
15/05/2023 00:30	1.135405	119.827	9.141911	2.27725	0
15/05/2023 00:40	2.875093	111.5907	10.40594	3.87505	0
15/05/2023 00:50	3.97225	99.86501	10.55684	5.39296	0
15/05/2023 01:00	3.154708	92.96523	9.246777	4.35439	0
15/05/2023 01:10	3.19998	93.94963	9.402758	4.2745	0
15/05/2023 01:20	3.612744	95.83897	10.15322	5.55274	0
15/05/2023 01:30	3.291853	104.8258	10.65166	4.43428	0
15/05/2023 01:40	3.984233	97.00966	12.82099	5.95219	0
15/05/2023 01:50	4.370368	92.15405	11.4612	6.032081	0
15/05/2023 02:00	4.098743	89.68629	10.08934	5.95219	0
15/05/2023 02:10	4.916283	90.29675	11.36756	6.99076	0
15/05/2023 02:20	5.024135	91.98431	11.58212	7.150541	0
15/05/2023 02:30	5.860316	92.80556	11.31507	7.94944	0
15/05/2023 02:40	5.744476	93.14375	12.31777	7.94944	0
15/05/2023 02:50	6.002787	88.42058	10.81685	8.42878	0
15/05/2023 03:00	6.255773	92.72146	12.5458	8.42878	0
15/05/2023 03:10	6.444846	88.77688	11.68795	8.988009	0
15/05/2023 03:20	6.727124	88.99971	11.55078	8.74834	0
15/05/2023 03:30	6.607291	90.08946	11.82064	10.34614	0
15/05/2023 03:40	6.293055	88.42442	10.38059	8.58856	0
15/05/2023 03:50	6.38626	89.71154	11.28087	8.98801	0
15/05/2023 04:00	6.111972	91.62459	11.30901	8.58856	0
15/05/2023 04:10	5.888279	93.28341	11.92297	8.42878	0
15/05/2023 04:20	6.344983	91.45354	11.87887	9.46735	0
15/05/2023 04:30	6.033412	96.37631	10.73088	8.508669	0
15/05/2023 04:40	6.114634	91.627	10.51644	8.50867	0
15/05/2023 04:50	5.944202	92.36136	12.47196	8.34889	0
15/05/2023 05:00	6.277077	96.6071	12.07801	8.588559	0
15/05/2023 05:10	6.583322	95.58161	11.27124	9.46735	0
15/05/2023 05:20	5.906919	95.29951	11.54566	8.189111	0
15/05/2023 05:30	6.482127	96.05589	11.73516	9.94669	0
15/05/2023 05:40	6.470145	93.57034	11.66669	8.58856	0
15/05/2023 05:50	6.435525	97.95399	10.88661	9.547239	0
15/05/2023 06:00	5.918903	93.91553	11.98153	8.269	0
15/05/2023 06:10	6.962799	99.28934	10.21568	9.62713	0
15/05/2023 06:20	6.57267	97.55566	11.03479	8.90812	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/05/2023 06:30	6.647233	96.89639	10.9945	9.0679	0
15/05/2023 06:40	6.157242	94.98557	12.10402	9.30757	0
15/05/2023 06:50	6.329004	97.66385	11.2471	8.50867	0
15/05/2023 07:00	6.539384	91.96421	11.6014	9.0679	0
15/05/2023 07:10	6.735113	92.26894	11.82973	9.0679	0
15/05/2023 07:20	7.38089	93.57984	10.52533	9.70702	0
15/05/2023 07:30	6.801689	92.76305	11.49126	9.547239	0
15/05/2023 07:40	7.323638	90.91393	11.53044	9.627131	0
15/05/2023 07:50	6.717803	91.72401	12.39909	9.147789	0
15/05/2023 08:00	7.247741	95.37024	10.59203	10.10647	0
15/05/2023 08:10	8.022673	88.81685	11.21264	11.14504	0
15/05/2023 08:20	7.84159	94.45033	12.0233	10.90537	0
15/05/2023 08:30	7.8336	95.45078	13.21671	11.06515	0
15/05/2023 08:40	7.098613	94.54536	10.2715	9.94669	0
15/05/2023 08:50	7.609909	95.20885	11.81293	10.82548	0
15/05/2023 09:00	7.605915	95.17789	11.88605	10.10647	0
15/05/2023 09:10	6.595305	92.18654	13.98546	9.547239	0
15/05/2023 09:20	7.127907	100.3621	11.92367	10.10647	0
15/05/2023 09:30	7.35293	96.25018	10.97869	9.70702	0
15/05/2023 09:40	7.689798	100.5271	12.78609	10.98526	0
15/05/2023 09:50	7.781672	97.99416	11.71324	10.82548	0
15/05/2023 10:00	7.553985	100.1988	13.07568	10.18636	0
15/05/2023 10:10	7.022717	93.01202	14.98546	9.62713	0
15/05/2023 10:20	6.921523	91.92648	12.23178	8.98801	0
15/05/2023 10:30	7.021385	94.22561	13.46072	9.14779	0
15/05/2023 10:40	6.977447	90.54813	13.93695	10.18636	0
15/05/2023 10:50	7.518037	91.13893	12.76064	10.50592	0
15/05/2023 11:00	8.055963	88.25018	12.10556	10.82548	0
15/05/2023 11:10	7.219779	83.4498	11.77154	9.30757	0
15/05/2023 11:20	7.732407	83.28618	12.37849	9.94669	0
15/05/2023 11:30	7.82428	89.09166	11.77007	10.50592	0
15/05/2023 11:40	8.002701	87.46903	11.85279	10.34614	0
15/05/2023 11:50	7.065326	88.90485	13.32643	9.8668	0
15/05/2023 12:00	6.603294	83.74179	12.22914	9.8668	0
15/05/2023 12:10	6.530062	78.64363	11.13865	8.98801	0
15/05/2023 12:20	7.542002	77.69147	11.7396	10.02658	0
15/05/2023 12:30	7.498064	75.55269	10.95413	9.627131	0
15/05/2023 12:40	6.68718	79.95857	13.30265	9.627131	0
15/05/2023 12:50	7.374234	77.58961	10.55582	10.10647	0
15/05/2023 13:00	7.360919	76.58492	11.33315	9.54724	0
15/05/2023 13:10	6.781716	77.76899	11.28104	9.227679	0
15/05/2023 13:20	6.379603	82.07035	13.00193	8.109221	0
15/05/2023 13:30	7.001413	75.54469	10.48921	9.147789	0
15/05/2023 13:40	6.676528	77.26981	10.30873	8.908119	0
15/05/2023 13:50	6.451505	77.96141	10.36171	8.50867	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/05/2023 14:00	6.154578	76.71386	11.37656	8.508671	0
15/05/2023 14:10	6.138601	75.17348	11.2712	8.269001	0
15/05/2023 14:20	6.094662	80.59084	11.44721	7.86955	0
15/05/2023 14:30	5.713853	79.85152	10.43105	8.42878	0
15/05/2023 14:40	5.502144	79.65279	9.782688	7.39021	0
15/05/2023 14:50	5.590022	82.22723	10.58305	7.62988	0
15/05/2023 15:00	5.235844	79.48432	12.77685	7.31032	0
15/05/2023 15:10	4.610038	81.75518	11.79297	5.95219	0
15/05/2023 15:20	4.992179	75.48847	11.88755	6.43153	0
15/05/2023 15:30	4.246538	73.81433	14.47298	6.19186	0
15/05/2023 15:40	4.058797	74.70522	13.88157	6.11197	0
15/05/2023 15:50	4.651315	75.07664	11.78613	6.35164	0
15/05/2023 16:00	4.226566	72.42515	12.2667	5.63263	0
15/05/2023 16:10	4.263848	70.36804	12.49236	5.63263	0
15/05/2023 16:20	4.137357	69.83897	9.587849	5.8723	0
15/05/2023 16:30	3.90168	71.3505	10.68122	5.233181	0
15/05/2023 16:40	3.867062	71.05067	10.29865	4.99351	0
15/05/2023 16:50	3.921653	71.20115	9.797096	5.233181	0
15/05/2023 17:00	3.69663	76.66742	11.01647	5.0734	0
15/05/2023 17:10	3.291853	68.6964	10.35491	4.43428	0
15/05/2023 17:20	2.93368	66.79572	11.77121	4.19461	0
15/05/2023 17:30	2.887077	69.56409	10.78281	4.19461	0
15/05/2023 17:40	2.423715	67.45608	10.72229	3.79516	0
15/05/2023 17:50	2.425046	57.50892	11.46072	3.31582	0
15/05/2023 18:00	1.891115	61.36135	11.95343	2.83648	0
15/05/2023 18:10	2.052227	41.46414	11.5591	2.59681	0
15/05/2023 18:20	1.943043	27.45774	14.84528	2.6767	0
15/05/2023 18:30	1.64745	2.515317	16.44617	2.35714	0
15/05/2023 18:40	1.843181	6.478307	14.28902	2.51692	0
15/05/2023 18:50	1.77128	28.486	13.69106	2.6767	0
15/05/2023 19:00	1.819214	39.75635	15.33566	2.6767	0
15/05/2023 19:10	1.297266	163.7999	20.65578	1.79791	0
15/05/2023 19:20	1.005946	339.8592	25.37724	1.8778	0
15/05/2023 19:30	1.570224	38.43026	20.29779	2.43703	0
15/05/2023 19:40	1.879132	16.62236	14.50921	2.6767	0
15/05/2023 19:50	1.765954	30.09838	16.91873	2.6767	0
15/05/2023 20:00	1.683401	21.46376	16.08706	2.43703	0
15/05/2023 20:10	1.426422	44.57934	15.28397	2.03758	0
15/05/2023 20:20	0.9919714	26.75451	19.30643	2.03758	0
15/05/2023 20:30	0.962032	85.85483	25.75576	1.55824	0
15/05/2023 20:40	0.8209059	289.2526	24.2187	1.31857	0
15/05/2023 20:50	0.9567317	290.8906	28.77607	1.47835	0
15/05/2023 21:00	0.9204515	220.7926	40.2935	1.47835	0
15/05/2023 21:10	1.45172	237.6688	8.627787	1.8778	0
15/05/2023 21:20	2.414394	238.6793	9.183445	3.07615	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/05/2023 21:30	1.683401	239.6764	8.172929	2.11747	0
15/05/2023 21:40	1.325227	235.4178	10.13117	1.63813	0
15/05/2023 21:50	0.8072355	288.4833	32.2896	1.31857	0
15/05/2023 22:00	0.5671459	147.7143	10.39615	1.15879	0
15/05/2023 22:10	0.7691659	224.0042	12.64086	1.47835	0
15/05/2023 22:20	0.2384283	232.5408	1.782979	1.39846	0
15/05/2023 22:30	1.675412	249.2825	7.987292	2.11747	0
15/05/2023 22:40	1.407781	254.9786	10.51516	1.95769	0
15/05/2023 22:50	1.070911	253.0564	15.01961	1.63813	0
15/05/2023 23:00	1.30126	259.7979	15.55883	2.03758	0
15/05/2023 23:10	1.430416	260.2546	10.30618	1.79791	0
15/05/2023 23:20	1.217376	254.6587	11.65139	1.47835	0
15/05/2023 23:30	1.190746	267.5823	7.431196	1.39846	0
15/05/2023 23:40	1.108193	271.5015	9.509289	1.31857	0
15/05/2023 23:50	0.7766496	258.5285	15.20358	1.0789	0
16/05/2023 00:00	0.8671914	249.955	19.99191	1.47835	0
16/05/2023 00:10	0.3500858	264.5403	10.56491	0.75934	0
16/05/2023 00:20					0
16/05/2023 00:30	0.684622	40.26156	3.273508	1.39846	0
16/05/2023 00:40	0.6983565	156.3348	34.44471	1.47835	0
16/05/2023 00:50	0.4356443	298.6727	11.5754	0.9191201	0
16/05/2023 01:00					0
16/05/2023 01:10	0.1925237	300.0758	7.994603	0.9191201	0
16/05/2023 01:20	0.5218108	288.1347	10.32193	0.91912	0
16/05/2023 01:30	0.22415	239.3405	16.05625	0.91912	0
16/05/2023 01:40	0.2441482	287.4489	13.06924	0.75934	0
16/05/2023 01:50	1.05227	295.3044	7.089159	1.39846	0
16/05/2023 02:00	0.977706	258.5359	15.30753	1.31857	0
16/05/2023 02:10	0.007329667	241.6045	0	0.43978	0
16/05/2023 02:20	0.6444243	303.2169	6.276495	0.99901	0
16/05/2023 02:30	0.5755545	290.5762	5.604412	0.8392301	0
16/05/2023 02:40	0.2371738	192.1837	20.7362	0.75934	0
16/05/2023 02:50	0.5071901	104.8524	9.083233	1.23868	0
16/05/2023 03:00	1.489002	111.4662	15.9228	2.03758	0
16/05/2023 03:10	1.333216	107.8348	10.24113	2.11747	0
16/05/2023 03:20	1.314576	101.8669	14.26451	1.8778	0
16/05/2023 03:30	0.8245836	89.75624	17.95166	1.39846	0
16/05/2023 03:40	1.140149	110.2895	17.12527	1.95769	0
16/05/2023 03:50	1.357183	127.3557	23.81918	1.8778	0
16/05/2023 04:00	0.6766589	124.61	10.12977	1.39846	0
16/05/2023 04:10	0.4399557	172.5761	18.00088	1.15879	0
16/05/2023 04:20	0.9670541	259.7201	21.09663	1.39846	0
16/05/2023 04:30	0.6753785	139.845	27.67528	1.23868	0
16/05/2023 04:40	1.198735	142.7923	17.25579	1.71802	0
16/05/2023 04:50	0.749664	108.1163	17.95274	1.31857	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/05/2023 05:00	0.801948	112.4897	13.43472	1.39846	0
16/05/2023 05:10	0.932435	117.7591	13.98991	1.47835	0
16/05/2023 05:20	1.002979	92.69202	13.0263	1.47835	0
16/05/2023 05:30	1.342538	109.3531	11.52039	2.11747	0
16/05/2023 05:40	1.145475	106.6427	21.04373	1.79791	0
16/05/2023 05:50	0.9370502	118.9163	23.8974	1.71802	0
16/05/2023 06:00	1.366504	105.3045	18.78658	2.27725	0
16/05/2023 06:10	2.736618	103.5307	11.06415	4.43428	0
16/05/2023 06:20	4.414308	101.7957	9.706387	6.03208	0
16/05/2023 06:30	4.5408	100.8112	10.42895	5.792411	0
16/05/2023 06:40	4.01619	100.906	11.01824	5.472851	0
16/05/2023 06:50	3.985565	99.56839	8.344352	5.39296	0
16/05/2023 07:00	3.600761	99.30875	9.002274	4.91362	0
16/05/2023 07:10	3.430329	98.08681	8.410738	4.35439	0
16/05/2023 07:20	3.666005	95.32695	10.06051	4.67395	0
16/05/2023 07:30	3.891027	96.19922	9.380657	5.55274	0
16/05/2023 07:40	3.97225	101.3892	10.27892	5.63263	0
16/05/2023 07:50	4.391671	100.9973	10.6754	5.792411	0
16/05/2023 08:00	4.294473	103.0034	10.8766	6.11197	0
16/05/2023 08:10	4.057466	98.35728	13.51141	6.032081	0
16/05/2023 08:20	4.299798	98.23497	11.94531	5.95219	0
16/05/2023 08:30	3.70595	97.08141	11.96278	5.0734	0
16/05/2023 08:40	2.65939	103.464	16.6199	3.79516	0
16/05/2023 08:50	2.021602	114.2939	22.28781	2.91637	0
16/05/2023 09:00	2.562191	131.4806	21.27985	4.19461	0
16/05/2023 09:10	2.457003	121.8384	16.884	3.95494	0
16/05/2023 09:20	2.956315	103.9685	17.2	4.2745	0
16/05/2023 09:30	2.879088	101.5062	17.89453	4.11472	0
16/05/2023 09:40	2.973625	88.19485	16.67953	4.43428	0
16/05/2023 09:50	2.931016	90.97792	18.28469	4.75384	0
16/05/2023 10:00	2.551539	81.38983	14.63741	3.55549	0
16/05/2023 10:10	2.298554	82.16215	16.73866	3.63538	0
16/05/2023 10:20	2.733955	95.46602	23.15928	4.43428	0
16/05/2023 10:30	2.544881	87.1759	19.33063	3.55549	0
16/05/2023 10:40	2.528904	90.13628	18.9422	3.87505	0
16/05/2023 10:50	3.189327	98.94666	13.7616	4.51417	0
16/05/2023 11:00	3.105444	95.11182	17.13892	4.11472	0
16/05/2023 11:10	3.630054	91.17351	13.17544	5.0734	0
16/05/2023 11:20	3.676656	93.3591	16.06519	5.23318	0
16/05/2023 11:30	3.953609	88.56516	12.86711	5.63263	0
16/05/2023 11:40	3.997548	82.48836	15.77466	5.39296	0
16/05/2023 11:50	3.916327	85.74358	19.19114	5.153291	0
16/05/2023 12:00	3.620734	84.76021	14.69519	5.233181	0
16/05/2023 12:10	3.575463	85.0802	12.38237	4.99351	0
16/05/2023 12:20	2.763247	107.0811	15.48139	4.43428	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/05/2023 12:30	2.430373	83.30258	25.3147	3.63538	0
16/05/2023 12:40	2.370455	93.34836	20.31383	4.19461	0
16/05/2023 12:50	2.365446	88.20227	22.35297	4.19461	0
16/05/2023 13:00	2.568848	70.59649	22.43734	4.03483	0
16/05/2023 13:10	2.198691	88.40982	30.25227	4.11472	0
16/05/2023 13:20	2.652733	64.29247	22.46088	4.35439	0
16/05/2023 13:30	2.405075	85.44463	40.9062	4.19461	0
16/05/2023 13:40	2.225321	130.1936	41.23639	3.79516	0
16/05/2023 13:50	2.025596	63.56548	26.27057	3.31582	0
16/05/2023 14:00	1.554245	85.08983	53.44436	2.83648	0
16/05/2023 14:10	2.036249	93.14758	24.6521	3.07615	0
16/05/2023 14:20	2.402411	323.5444	40.20543	4.75384	0
16/05/2023 14:30	2.923027	294.5912	37.42431	5.71252	0
16/05/2023 14:40	2.684689	9.545022	40.69635	4.11472	0
16/05/2023 14:50	2.210675	179.1256	44.51478	3.31582	0
16/05/2023 15:00	2.101492	38.16917	30.13504	4.43428	0
16/05/2023 15:10	2.261272	35.0079	25.6409	4.19461	0
16/05/2023 15:20	2.507599	28.09582	25.12529	4.2745	0
16/05/2023 15:30	3.418345	53.59551	26.90419	5.233181	0
16/05/2023 15:40	2.780557	47.12105	27.34315	4.19461	0
16/05/2023 15:50	2.622108	60.0594	18.71579	4.43428	0
16/05/2023 16:00	2.020271	56.76225	24.95704	3.23593	0
16/05/2023 16:10	2.784552	60.16763	18.98214	4.03483	0
16/05/2023 16:20	2.865773	75.14857	14.59575	4.11472	0
16/05/2023 16:30	2.450345	61.4679	13.81251	3.55549	0
16/05/2023 16:40	2.391759	57.41367	20.64259	3.87505	0
16/05/2023 16:50	2.724634	200.8018	38.1813	3.71527	0
16/05/2023 17:00	1.52229	313.176	31.50048	2.59681	0
16/05/2023 17:10	0.9304056	315.7096	62.82169	2.03758	0
16/05/2023 17:20	0.9923526	168.0209	30.97801	1.63813	0
16/05/2023 17:30	1.752639	36.51519	22.17359	2.75659	0
16/05/2023 17:40	1.654108	54.02668	22.07555	3.23593	0
16/05/2023 17:50	1.237349	57.77084	13.50477	1.79791	0
16/05/2023 18:00	1.684732	72.15157	12.9057	2.51692	0
16/05/2023 18:10	1.426422	44.50513	10.46391	1.79791	0
16/05/2023 18:20	1.10553	304.1922	25.98565	1.63813	0
16/05/2023 18:30	1.475687	287.806	21.30341	2.27725	0
16/05/2023 18:40	1.722014	289.9451	9.951923	2.19736	0
16/05/2023 18:50	1.393134	280.7037	17.5449	2.11747	0
16/05/2023 19:00	1.530278	280.0949	18.13563	2.35714	0
16/05/2023 19:10	2.251951	252.4309	9.927397	3.15604	0
16/05/2023 19:20	2.387764	272.9255	12.84027	3.23593	0
16/05/2023 19:30	2.022933	276.804	10.25067	2.59681	0
16/05/2023 19:40	2.279913	254.2818	12.47298	3.07615	0
16/05/2023 19:50	2.652733	261.5407	8.17145	3.15604	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/05/2023 20:00	2.644744	255.393	9.176913	3.63538	0
16/05/2023 20:10	2.000298	250.603	10.59804	2.6767	0
16/05/2023 20:20	1.540931	229.3343	15.39243	2.35714	0
16/05/2023 20:30	1.257321	233.8636	19.8082	2.03758	0
16/05/2023 20:40	1.248001	224.7077	12.59518	1.63813	0
16/05/2023 20:50	1.110856	161.1825	27.78055	1.39846	0
16/05/2023 21:00	0.5618329	54.08701	11.70827	0.91912	0
16/05/2023 21:10	0.1498643	47.52547	2.276726	1.0789	0
16/05/2023 21:20	0.2128387	135.3705	33.27686	0.91912	0
16/05/2023 21:30	0.6037944	165.5393	15.41566	1.15879	0
16/05/2023 21:40	0.5924574	223.484	15.72267	0.99901	0
16/05/2023 21:50	0.8238343	209.0562	25.89753	1.39846	0
16/05/2023 22:00	0.5883603	181.6206	5.198668	1.23868	0
16/05/2023 22:10	1.477018	239.1964	11.1149	1.79791	0
16/05/2023 22:20	1.648782	239.9325	8.878218	2.19736	0
16/05/2023 22:30	1.603511	234.6812	8.574167	2.11747	0
16/05/2023 22:40	1.606174	244.6356	10.99108	2.19736	0
16/05/2023 22:50	2.032254	242.2346	8.92441	2.51692	0
16/05/2023 23:00	1.901767	241.3021	10.92899	2.43703	0
16/05/2023 23:10	2.580832	244.8609	10.03398	3.31582	0
16/05/2023 23:20	2.362466	238.7287	10.10962	2.91637	0
16/05/2023 23:30	2.2413	240.9459	11.82498	2.91637	0
16/05/2023 23:40	2.496948	247.3625	10.09088	3.23593	0
16/05/2023 23:50	2.307873	245.6787	9.960165	3.07615	0
17/05/2023 00:00	1.823209	246.7195	11.00933	2.59681	0
17/05/2023 00:10	1.309249	244.2362	10.54594	1.95769	0
17/05/2023 00:20	1.93106	241.2016	11.42738	2.6767	0
17/05/2023 00:30	2.057552	241.2478	11.99784	2.83648	0
17/05/2023 00:40	2.056221	246.7942	10.43591	2.59681	0
17/05/2023 00:50	1.743319	244.8351	11.42978	2.27725	0
17/05/2023 01:00	1.148138	240.9719	15.02783	1.95769	0
17/05/2023 01:10	0.7845358	226.0614	15.3273	1.39846	0
17/05/2023 01:20					0
17/05/2023 01:30	0.3550693	346.9815	51.94476	0.9191201	0
17/05/2023 01:40	0.06161718	291.4863	1.858106	0.59956	0
17/05/2023 01:50	0.1079157	284.602	0.4223813	0.9191201	0
17/05/2023 02:00	0.5778108	270.5845	22.70218	1.15879	0
17/05/2023 02:10	0.2941115	252.5262	25.72964	0.91912	0
17/05/2023 02:20	0.7114059	283.9147	24.6271	1.0789	0
17/05/2023 02:30	0.03931133	326.1013	0.9434304	0.59956	0
17/05/2023 02:40	0.7566514	285.8357	34.37058	1.31857	0
17/05/2023 02:50	0.5385765	200.184	53.4276	1.0789	0
17/05/2023 03:00	0.7383273	245.7577	56.82824	1.47835	0
17/05/2023 03:10	0.9976658	233.8407	36.99	1.95769	0
17/05/2023 03:20	1.140149	196.7092	62.99786	2.11747	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/05/2023 03:30	0.8092264	231.2458	84.7953	2.19736	0
17/05/2023 03:40	1.450388	204.2451	57.26784	2.99626	0
17/05/2023 03:50	1.194741	214.0388	49.26714	2.19736	0
17/05/2023 04:00	1.353189	227.936	27.28255	2.03758	0
17/05/2023 04:10	1.170774	235.7166	32.15016	2.6767	0
17/05/2023 04:20	0.7759645	262.4423	57.06542	1.95769	0
17/05/2023 04:30	0.7586551	297.4615	73.10636	1.39846	0
17/05/2023 04:40	1.058927	211.5963	89.49796	2.03758	0
17/05/2023 04:50	1.342537	173.4444	75.44002	3.23593	0
17/05/2023 05:00	1.571555	144.4832	57.60394	2.6767	0
17/05/2023 05:10	1.254658	152.965	73.14231	2.19736	0
17/05/2023 05:20	1.568892	155.7943	63.8838	3.31582	0
17/05/2023 05:30	1.306916	162.8831	51.96268	2.43703	0
17/05/2023 05:40	0.8997684	123.3261	43.86112	1.8778	0
17/05/2023 05:50	1.640793	81.74088	23.70638	2.35714	0
17/05/2023 06:00	1.046906	73.78123	19.30309	1.79791	0
17/05/2023 06:10	1.629786	125.9505	27.73906	2.91637	0
17/05/2023 06:20	2.104155	131.3763	20.2833	2.83648	0
17/05/2023 06:30	2.299886	136.8506	16.71442	3.63538	0
17/05/2023 06:40	1.998966	128.5239	15.63836	2.83648	0
17/05/2023 06:50	2.018939	106.3158	11.70787	2.59681	0
17/05/2023 07:00	1.994972	105.5255	10.91314	2.99626	0
17/05/2023 07:10	1.502317	70.45254	18.79748	2.83648	0
17/05/2023 07:20	2.01095	75.79551	16.24372	2.59681	0
17/05/2023 07:30	1.679406	89.88145	25.31086	2.6767	0
17/05/2023 07:40	1.475687	60.75665	31.33098	2.27725	0
17/05/2023 07:50	1.694053	89.20454	27.57841	2.51692	0
17/05/2023 08:00	1.574218	93.80785	17.08469	2.43703	0
17/05/2023 08:10	2.118802	80.87299	12.28005	2.83648	0
17/05/2023 08:20	1.796579	70.77008	14.33548	2.43703	0
17/05/2023 08:30	1.793916	106.1494	21.55634	2.75659	0
17/05/2023 08:40	2.203285	129.5715	16.12466	3.23593	0
17/05/2023 08:50	2.172061	110.4323	18.28289	3.07615	0
17/05/2023 09:00	2.229316	99.26088	14.3007	3.23593	0
17/05/2023 09:10	1.833861	110.4765	23.90969	2.75659	0
17/05/2023 09:20	2.643413	101.4015	16.93762	3.95494	0
17/05/2023 09:30	3.904344	117.3726	10.68448	4.99351	0
17/05/2023 09:40	3.602093	125.6327	14.61929	4.83373	0
17/05/2023 09:50	2.978951	115.6468	18.78378	3.87505	0
17/05/2023 10:00	3.379733	100.3084	15.58416	4.43428	0
17/05/2023 10:10	4.006868	110.6158	13.58977	6.19186	0
17/05/2023 10:20	4.072113	96.63272	13.25844	5.79241	0
17/05/2023 10:30	4.737862	92.21835	13.87205	6.83098	0
17/05/2023 10:40	5.687222	96.40662	13.65415	7.70977	0
17/05/2023 10:50	5.534099	96.69695	11.84559	7.70977	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/05/2023 11:00	5.793742	97.12304	11.50981	7.70977	0
17/05/2023 11:10	5.534099	98.6823	12.13198	7.709771	0
17/05/2023 11:20	4.813757	89.66813	12.69109	6.51142	0
17/05/2023 11:30	4.961554	99.30637	15.2438	7.07065	0
17/05/2023 11:40	5.640618	86.33492	13.93039	7.62988	0
17/05/2023 11:50	6.511421	91.1978	11.72166	9.0679	0
17/05/2023 12:00	6.037406	88.0699	11.76866	7.62988	0
17/05/2023 12:10	6.274415	87.71384	11.46383	8.50867	0
17/05/2023 12:20	6.36895	92.61813	12.81798	8.82823	0
17/05/2023 12:30	6.350309	87.4257	10.57937	8.42878	0
17/05/2023 12:40	5.472851	86.25133	12.11327	7.07065	0
17/05/2023 12:50	5.511465	89.07101	12.00936	7.78966	0
17/05/2023 13:00	5.410271	93.35387	13.47106	7.07065	0
17/05/2023 13:10	5.812384	100.7552	11.91422	8.18911	0
17/05/2023 13:20	5.775102	99.89223	10.77481	8.18911	0
17/05/2023 13:30	6.089335	96.20482	11.31643	8.109221	0
17/05/2023 13:40	5.715184	98.1781	13.06964	7.78966	0
17/05/2023 13:50	5.681896	83.15221	11.78113	7.78966	0
17/05/2023 14:00	5.751134	81.88699	10.69755	8.18911	0
17/05/2023 14:10	5.672576	84.28238	12.0944	7.54999	0
17/05/2023 14:20	6.012107	89.61981	10.30036	7.4701	0
17/05/2023 14:30	5.367662	96.15013	10.87942	6.75109	0
17/05/2023 14:40	5.761786	86.41402	9.506996	6.99076	0
17/05/2023 14:50	4.596724	88.71907	11.57135	6.27175	0
17/05/2023 15:00	4.4689	87.01556	11.0179	5.79241	0
17/05/2023 15:10	4.373032	88.42865	12.251	5.792411	0
17/05/2023 15:20	4.5408	93.36143	9.846665	6.11197	0
17/05/2023 15:30	4.225235	95.76289	12.80412	5.872301	0
17/05/2023 15:40	3.55549	89.7921	13.95543	5.233181	0
17/05/2023 15:50	3.526197	85.60892	12.36675	4.67395	0
17/05/2023 16:00	3.604756	95.36655	10.94344	4.83373	0
17/05/2023 16:10	3.186665	91.20522	14.74007	4.35439	0
17/05/2023 16:20	3.411688	82.80203	12.44081	4.59406	0
17/05/2023 16:30	2.988271	83.97472	11.48018	4.59406	0
17/05/2023 16:40	2.851127	95.56435	11.26831	3.71527	0
17/05/2023 16:50	3.117426	100.845	10.35102	4.19461	0
17/05/2023 17:00	2.745938	91.14804	12.99549	3.95494	0
17/05/2023 17:10	3.004249	76.23151	10.89197	4.19461	0
17/05/2023 17:20	2.68469	66.07541	11.55148	3.95494	0
17/05/2023 17:30	2.884414	71.03885	10.12216	4.2745	0
17/05/2023 17:40	3.062835	60.99837	11.65442	4.03483	0
17/05/2023 17:50	2.51692	45.57607	13.0569	3.4756	0
17/05/2023 18:00	1.961684	69.43453	17.81622	2.83648	0
17/05/2023 18:10	1.648782	106.7011	12.895	2.35714	0
17/05/2023 18:20	1.030966	106.1318	14.55793	1.39846	0



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/05/2023 18:30	1.257321	73.89555	16.43416	1.8778	0
17/05/2023 18:40	1.021633	31.45322	16.42461	1.55824	0
17/05/2023 18:50					0
17/05/2023 19:00	0.660085	204.2728	16.61763	1.31857	0
17/05/2023 19:10	0.5810819	223.8665	10.37206	1.15879	0
17/05/2023 19:20	0.01465933	197.4737	1.90432	0.43978	0
17/05/2023 19:30	0.007329667	261.7869	0.003611745	0.43978	0
17/05/2023 19:40	0.007329667	287.6991	0.002553889	0.43978	0
17/05/2023 19:50					0
17/05/2023 20:00					0
17/05/2023 20:10	0.02931867	110.384	1.681142	0.43978	0
17/05/2023 20:20	0.01465933	111.9561	0.7467831	0.43978	0
17/05/2023 20:30	0.03664833	71.54539	21.20966	0.43978	0
17/05/2023 20:40	0.2391904	91.46112	11.80422	0.91912	0
17/05/2023 20:50	0.0979487	99.99461	3.712379	0.51967	0
17/05/2023 21:00	0.3204888	76.02863	10.95498	0.67945	0
17/05/2023 21:10	0.2275493	69.2757	11.17918	0.51967	0
17/05/2023 21:20	0.4839336	48.22284	22.77386	1.31857	0
17/05/2023 21:30	1.355852	78.87854	12.35004	2.59681	0
17/05/2023 21:40	1.560903	85.86464	14.74544	2.6767	0
17/05/2023 21:50	2.512926	88.92116	8.196713	3.39571	0
17/05/2023 22:00	2.025597	80.64815	9.419227	2.6767	0
17/05/2023 22:10	1.79791	85.73564	11.66503	2.59681	0
17/05/2023 22:20	1.712695	87.83249	14.72708	2.35714	0
17/05/2023 22:30	1.767286	88.16814	12.07886	2.51692	0
17/05/2023 22:40	1.683401	97.85995	10.14687	2.59681	0
17/05/2023 22:50	0.4772632	199.1057	54.72804	1.23868	0
17/05/2023 23:00	0.5984427	118.5044	17.88198	1.0789	0
17/05/2023 23:10	1.590196	93.32225	12.21708	2.59681	0
17/05/2023 23:20	1.772611	92.87778	11.16823	2.75659	0
17/05/2023 23:30	0.5761626	114.9007	18.2377	1.15879	0
17/05/2023 23:40	0.021989	145.9507	11.91602	0.43978	0
17/05/2023 23:50	0.1895696	263.6467	11.97592	0.51967	0
18/05/2023 00:00	0.1528955	199.6612	14.07681	0.67945	0
18/05/2023 00:10	0.3747891	113.6239	9.22789	0.67945	0
18/05/2023 00:20	0.7852978	109.1431	8.940369	1.23868	0
18/05/2023 00:30	0.6771165	99.16924	13.64164	1.0789	0
18/05/2023 00:40	0.9790374	99.01613	11.97512	1.63813	0
18/05/2023 00:50	0.7410286	84.62022	11.23074	1.15879	0
18/05/2023 01:00	0.9364294	90.65898	12.47528	1.71802	0
18/05/2023 01:10	1.190746	90.12469	11.40039	1.95769	0
18/05/2023 01:20	0.5931937	93.60556	19.51826	1.31857	0
18/05/2023 01:30	0.8382281	82.50645	20.06374	1.47835	0
18/05/2023 01:40	1.100204	121.237	15.52573	2.19736	0
18/05/2023 01:50	1.675412	113.8248	10.87639	2.59681	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/05/2023 02:00	2.307874	105.3855	10.3208	3.4756	0
18/05/2023 02:10	1.475687	89.2016	9.311613	2.19736	0
18/05/2023 02:20	0.4093952	76.4127	16.22586	1.0789	0
18/05/2023 02:30	0.2571591	83.16346	9.97728	0.9191201	0
18/05/2023 02:40	0.7226404	101.0772	13.83838	2.03758	0
18/05/2023 02:50	0.6457173	120.3781	9.371258	1.95769	0
18/05/2023 03:00	2.076193	109.3004	13.38477	2.99626	0
18/05/2023 03:10	3.056178	83.42021	9.624004	4.43428	0
18/05/2023 03:20	2.904387	87.0386	10.98553	3.79516	0
18/05/2023 03:30	2.508931	89.85631	9.493299	3.31582	0
18/05/2023 03:40	2.642081	89.47079	9.945728	3.55549	0
18/05/2023 03:50	2.310537	83.1201	10.43294	3.31582	0
18/05/2023 04:00	2.371787	80.2193	9.345296	2.99626	0
18/05/2023 04:10	1.935055	78.58235	8.253917	2.6767	0
18/05/2023 04:20	2.23331	79.07639	7.056437	3.15604	0
18/05/2023 04:30	3.01357	79.43861	8.297314	4.03483	0
18/05/2023 04:40	2.574174	78.65315	9.062057	3.4756	0
18/05/2023 04:50	2.431704	81.12572	8.895037	3.63538	0
18/05/2023 05:00	2.450345	87.43103	7.740649	3.07615	0
18/05/2023 05:10	2.285239	96.24693	9.607343	3.23593	0
18/05/2023 05:20	2.928353	100.8084	10.11297	4.11472	0
18/05/2023 05:30	3.018896	97.4854	9.794913	4.03483	0
18/05/2023 05:40	2.674037	97.36732	8.645218	3.79516	0
18/05/2023 05:50	3.132073	98.07707	10.23473	4.19461	0
18/05/2023 06:00	3.401036	97.67768	11.84176	4.83373	0
18/05/2023 06:10	3.468943	93.38261	11.80048	4.59406	0
18/05/2023 06:20	3.574131	91.26799	10.08249	4.91362	0
18/05/2023 06:30	3.669999	91.53665	10.34213	4.91362	0
18/05/2023 06:40	3.588778	92.77127	9.28889	4.75384	0
18/05/2023 06:50	3.564811	97.51083	9.018391	4.67395	0
18/05/2023 07:00	3.829779	97.94218	11.03431	5.233181	0
18/05/2023 07:10	3.70595	92.49777	10.67501	5.233181	0
18/05/2023 07:20	3.684646	93.50945	10.72374	5.0734	0
18/05/2023 07:30	3.76853	92.78171	10.5538	4.75384	0
18/05/2023 07:40	4.18529	95.95732	11.82375	5.712521	0
18/05/2023 07:50	4.117384	101.3279	10.61652	5.8723	0
18/05/2023 08:00	4.918946	101.6942	11.76931	7.15054	0
18/05/2023 08:10	5.174594	102.7547	9.015682	6.99076	0
18/05/2023 08:20	5.603339	105.6092	9.666149	7.54999	0
18/05/2023 08:30	5.460867	106.545	9.709759	7.70977	0
18/05/2023 08:40	5.499481	104.9254	11.37691	7.4701	0
18/05/2023 08:50	6.368951	96.92953	10.90529	8.82823	0
18/05/2023 09:00	7.191817	97.14999	10.55409	9.627131	0
18/05/2023 09:10	6.864268	98.54204	10.82998	9.94669	0
18/05/2023 09:20	7.071983	97.3568	11.86806	9.30757	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/05/2023 09:30	6.9375	98.03055	12.66179	9.70702	0
18/05/2023 09:40	7.061331	94.02686	12.19845	9.70702	0
18/05/2023 09:50	7.692463	91.17751	12.3489	10.50592	0
18/05/2023 10:00	7.28236	90.4481	12.04799	10.26625	0
18/05/2023 10:10	7.008071	89.74246	12.95576	9.627131	0
18/05/2023 10:20	7.499394	91.72058	13.25457	10.18636	0
18/05/2023 10:30	7.563306	88.55914	12.49269	10.26625	0
18/05/2023 10:40	6.968126	91.30934	11.56794	9.94669	0
18/05/2023 10:50	7.739064	85.15637	11.74997	10.26625	0
18/05/2023 11:00	7.902838	83.02699	11.19894	10.42603	0
18/05/2023 11:10	8.169138	83.85808	11.09625	10.82548	0
18/05/2023 11:20	8.440764	84.55194	10.83832	10.42603	0
18/05/2023 11:30	8.151829	82.71359	10.58321	10.26625	0
18/05/2023 11:40	8.014685	85.69728	10.04076	10.58581	0
18/05/2023 11:50	7.711103	81.11183	8.514666	10.6657	0
18/05/2023 12:00	7.675153	82.453	10.44197	10.82548	0
18/05/2023 12:10	8.071938	82.27013	10.4502	10.98526	0
18/05/2023 12:20	8.444759	83.75577	10.61995	11.06515	0
18/05/2023 12:30	7.873546	84.25082	11.23515	10.10647	0
18/05/2023 12:40	8.363535	81.69991	10.91666	11.38471	0
18/05/2023 12:50	8.135851	83.21474	9.41636	11.14504	0
18/05/2023 13:00	7.849578	83.2798	10.78123	10.10647	0
18/05/2023 13:10	8.684429	84.95695	10.54883	11.22493	0
18/05/2023 13:20	8.359545	86.27844	9.212088	10.6657	0
18/05/2023 13:30	7.98406	84.77324	12.15729	10.82548	0
18/05/2023 13:40	8.133188	84.12129	10.99916	11.06515	0
18/05/2023 13:50	7.876208	82.21844	9.88525	10.42603	0
18/05/2023 14:00	7.475427	84.1059	11.12589	9.547239	0
18/05/2023 14:10	6.926849	88.00617	11.51859	9.627131	0
18/05/2023 14:20	7.617898	85.21098	10.99003	10.18636	0
18/05/2023 14:30	7.090625	76.48892	10.07064	9.94669	0
18/05/2023 14:40	6.564681	74.43088	11.678	8.428781	0
18/05/2023 14:50	6.531394	81.75972	12.00115	9.22768	0
18/05/2023 15:00	7.432819	81.4415	10.66225	9.46735	0
18/05/2023 15:10	7.255731	83.30701	10.39565	10.10647	0
18/05/2023 15:20	6.840302	84.82835	10.66481	10.02658	0
18/05/2023 15:30	6.130611	75.10538	11.33054	9.147789	0
18/05/2023 15:40	7.058667	73.77466	12.10158	9.14779	0
18/05/2023 15:50	6.495442	78.35104	11.27933	8.508671	0
18/05/2023 16:00	6.360961	78.03813	10.9148	8.268999	0
18/05/2023 16:10	6.514085	79.60661	9.798977	9.0679	0
18/05/2023 16:20	6.635251	71.42406	11.19275	8.908119	0
18/05/2023 16:30	6.036075	73.66819	9.6626	8.18911	0
18/05/2023 16:40	5.603338	70.48591	12.58172	8.34889	0
18/05/2023 16:50	5.386302	63.308	10.81845	7.54999	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/05/2023 17:00	5.611326	64.07157	10.13706	7.70977	0
18/05/2023 17:10	5.434237	64.39783	11.36587	7.70977	0
18/05/2023 17:20	5.745809	63.61694	10.99654	8.109221	0
18/05/2023 17:30	5.273125	64.85791	11.67879	7.54999	0
18/05/2023 17:40	5.446221	65.11827	12.2083	7.54999	0
18/05/2023 17:50	5.628636	65.73273	9.923355	7.94944	0
18/05/2023 18:00	5.205218	66.201	10.21133	7.23043	0
18/05/2023 18:10	5.207881	65.42608	10.89069	7.709771	0
18/05/2023 18:20	4.387678	63.24103	11.91043	6.19186	0
18/05/2023 18:30	4.450257	62.44215	11.33502	6.27175	0
18/05/2023 18:40	4.608707	59.55817	10.13696	5.8723	0
18/05/2023 18:50	4.218577	57.88155	12.00871	5.792411	0
18/05/2023 19:00	3.435656	62.83566	10.73668	5.153291	0
18/05/2023 19:10	3.851083	60.54874	11.05647	5.71252	0
18/05/2023 19:20	4.024179	59.61275	10.58078	5.47285	0
18/05/2023 19:30	4.289146	58.09427	11.07944	5.63263	0
18/05/2023 19:40	3.809806	59.46472	10.658	5.23318	0
18/05/2023 19:50	3.55549	61.7244	9.314175	5.472851	0
18/05/2023 20:00	3.704618	63.69552	11.19523	5.39296	0
18/05/2023 20:10	3.695298	68.07043	10.38903	5.472851	0
18/05/2023 20:20	3.646032	71.93189	9.019526	4.99351	0
18/05/2023 20:30	3.646032	81.83984	9.346891	5.0734	0
18/05/2023 20:40	2.801861	88.84418	9.733747	3.79516	0
18/05/2023 20:50	2.682025	90.8835	10.62811	3.55549	0
18/05/2023 21:00	2.381106	90.20856	9.452993	3.31582	0
18/05/2023 21:10	2.660722	98.00291	7.993751	3.39571	0
18/05/2023 21:20	2.660722	95.47846	9.475155	3.55549	0
18/05/2023 21:30	2.377112	98.75504	8.010279	3.07615	0
18/05/2023 21:40	2.285239	102.5612	6.896558	2.91637	0
18/05/2023 21:50	2.576838	94.19295	9.046211	3.39571	0
18/05/2023 22:00	2.939006	99.03164	8.61033	3.79516	0
18/05/2023 22:10	2.610126	99.63899	8.813001	3.39571	0
18/05/2023 22:20	2.811182	100.526	8.678106	3.55549	0
18/05/2023 22:30	2.43703	98.84145	9.225552	3.07615	0
18/05/2023 22:40	2.166736	96.25783	10.33828	2.83648	0
18/05/2023 22:50	1.695385	92.34829	12.2543	2.51692	0
18/05/2023 23:00	1.212379	88.2173	15.57951	2.03758	0
18/05/2023 23:10	0.4163439	100.5407	23.47145	1.15879	0
18/05/2023 23:20	0.3920217	96.28681	21.33051	1.23868	0
18/05/2023 23:30	0.192194	128.3202	30.29926	0.91912	0
18/05/2023 23:40	0.4632506	39.48613	23.36243	1.15879	0
18/05/2023 23:50	0.4911992	184.6332	12.77301	0.99901	0
19/05/2023 00:00	0.1185934	133.1367	5.065418	0.67945	0
19/05/2023 00:10	0.4299887	10.06425	18.19805	0.99901	0
19/05/2023 00:20	0.3550693	66.90065	30.51758	0.75934	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/05/2023 00:30	0.1252637	188.365	10.65383	0.51967	0
19/05/2023 00:40	0.3497305	330.5536	13.40267	0.75934	0
19/05/2023 00:50	0.1422178	159.0297	11.44086	0.83923	0
19/05/2023 01:00	0.3853	171.3018	21.28992	1.55824	0
19/05/2023 01:10	2.2413	101.4817	11.06785	3.4756	0
19/05/2023 01:20	2.812513	97.88008	9.94079	3.55549	0
19/05/2023 01:30	3.306499	95.10147	9.809473	4.11472	0
19/05/2023 01:40	3.636713	102.2005	10.91079	4.75384	0
19/05/2023 01:50	2.815176	107.7874	11.78328	4.2745	0
19/05/2023 02:00	2.618114	98.46992	11.80574	3.95494	0
19/05/2023 02:10	1.294603	108.981	12.98742	2.43703	0
19/05/2023 02:20	0.9301016	108.3841	11.90448	1.47835	0
19/05/2023 02:30	0.8901567	111.5365	11.88787	1.71802	0
19/05/2023 02:40	1.42509	107.2618	12.25362	2.6767	0
19/05/2023 02:50	2.094834	101.1081	11.04787	3.07615	0
19/05/2023 03:00	2.261272	100.8808	12.36623	3.31582	0
19/05/2023 03:10	2.460997	91.12437	12.6119	3.79516	0
19/05/2023 03:20	3.153377	80.30881	12.35475	4.11472	0
19/05/2023 03:30	2.859116	86.05708	12.11506	4.19461	0
19/05/2023 03:40	3.001586	82.76024	12.93884	4.03483	0
19/05/2023 03:50	2.897729	90.64715	13.16693	3.87505	0
19/05/2023 04:00	2.75659	101.0224	11.83016	4.11472	0
19/05/2023 04:10	2.868436	92.82113	13.71197	4.51417	0
19/05/2023 04:20	2.724635	86.24548	14.1321	3.79516	0
19/05/2023 04:30	2.552871	85.87867	13.35768	4.2745	0
19/05/2023 04:40	2.98694	86.24606	11.20403	4.43428	0
19/05/2023 04:50	2.78322	81.07874	10.97733	3.63538	0
19/05/2023 05:00	3.078813	85.60579	14.0895	4.67395	0
19/05/2023 05:10	3.048188	88.30909	12.47309	4.43428	0
19/05/2023 05:20	3.132073	91.94574	14.74463	4.35439	0
19/05/2023 05:30	2.74727	86.46011	13.90941	4.11472	0
19/05/2023 05:40	2.984277	83.29013	13.4159	4.35439	0
19/05/2023 05:50	2.823165	86.33686	12.40838	4.03483	0
19/05/2023 06:00	2.664716	82.54826	13.45626	3.55549	0
19/05/2023 06:10	2.913707	76.55333	11.343	4.35439	0
19/05/2023 06:20	2.542218	85.0681	14.60417	3.4756	0
19/05/2023 06:30	2.721971	83.36525	12.06094	3.95494	0
19/05/2023 06:40	2.568849	91.39697	12.20548	3.79516	0
19/05/2023 06:50	2.334505	80.47002	11.33096	3.55549	0
19/05/2023 07:00	2.201355	89.33183	13.79128	3.71527	0
19/05/2023 07:10	2.644744	95.15535	13.707	4.11472	0
19/05/2023 07:20	2.843138	95.40057	14.54716	4.03483	0
19/05/2023 07:30	3.671331	99.62152	11.17206	5.15329	0
19/05/2023 07:40	3.636712	92.41061	13.59669	5.31307	0
19/05/2023 07:50	3.712607	97.49475	14.38626	5.47285	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/05/2023 08:00	4.112058	97.20959	12.85884	5.95219	0
19/05/2023 08:10	4.239881	99.44469	12.98119	6.27175	0
19/05/2023 08:20	4.893647	100.7395	11.05506	7.869551	0
19/05/2023 08:30	4.968212	101.4366	11.99492	6.99076	0
19/05/2023 08:40	5.207882	97.55802	10.13808	7.07065	0
19/05/2023 08:50	5.376983	102.7791	11.11283	7.07065	0
19/05/2023 09:00	4.859029	104.121	12.60263	7.4701	0
19/05/2023 09:10	5.67657	105.8633	12.71881	8.109221	0
19/05/2023 09:20	5.886948	101.7243	13.41613	8.269	0
19/05/2023 09:30	5.751135	94.84784	13.19449	8.42878	0
19/05/2023 09:40	6.997418	92.87849	12.69565	10.34614	0
19/05/2023 09:50	6.71514	91.93809	12.25979	9.46735	0
19/05/2023 10:00	7.025382	94.10939	12.49018	10.02658	0
19/05/2023 10:10	6.685848	89.1622	14.32825	9.38746	0
19/05/2023 10:20	7.343609	91.03796	10.51706	10.10647	0
19/05/2023 10:30	6.676528	89.19863	12.24944	9.78691	0
19/05/2023 10:40	6.462156	87.01132	11.93933	8.988009	0
19/05/2023 10:50	6.791037	90.28409	13.37585	9.786909	0
19/05/2023 11:00	6.460824	87.81462	12.4233	9.46735	0
19/05/2023 11:10	7.563306	85.88654	10.54161	10.10647	0
19/05/2023 11:20	7.58461	87.29272	10.8558	10.18636	0
19/05/2023 11:30	7.691131	89.19589	10.41622	11.06515	0
19/05/2023 11:40	7.193149	90.50352	12.50138	9.866799	0
19/05/2023 11:50	5.980153	87.03716	12.47832	7.86955	0
19/05/2023 12:00	6.423544	84.94539	13.76218	9.46735	0
19/05/2023 12:10	7.327631	81.82668	11.61914	10.26625	0
19/05/2023 12:20	7.134564	88.24411	12.81029	10.02658	0
19/05/2023 12:30	7.082634	88.6321	12.77742	9.627131	0
19/05/2023 12:40	7.270375	79.86771	10.85309	10.02658	0
19/05/2023 12:50	6.700495	79.80469	12.61515	9.38746	0
19/05/2023 13:00	7.173177	81.22947	10.70348	9.70702	0
19/05/2023 13:10	6.599299	77.43689	12.46765	9.30757	0
19/05/2023 13:20	7.000082	73.18889	10.77928	9.30757	0
19/05/2023 13:30	7.029376	77.59335	10.60407	9.30757	0
19/05/2023 13:40	6.161235	69.44717	14.75045	8.74834	0
19/05/2023 13:50	5.847002	72.91891	11.89855	7.94944	0
19/05/2023 14:00	6.206507	68.89609	10.81547	8.98801	0
19/05/2023 14:10	6.508759	64.83585	11.14155	8.82823	0
19/05/2023 14:20	6.552697	75.2188	10.14785	8.98801	0
19/05/2023 14:30	5.929554	69.87785	10.0731	8.508669	0
19/05/2023 14:40	5.355679	62.65231	12.95917	7.230431	0
19/05/2023 14:50	5.777763	67.7228	12.33904	7.86955	0
19/05/2023 15:00	5.367661	67.45897	14.21931	7.4701	0
19/05/2023 15:10	5.839012	63.72488	12.1215	7.70977	0
19/05/2023 15:20	4.997505	63.74887	11.93545	7.15054	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/05/2023 15:30	5.239838	61.37499	14.1888	7.07065	0
19/05/2023 15:40	5.665919	63.79376	13.22493	7.15054	0
19/05/2023 15:50	5.913578	64.81395	11.5018	7.54999	0
19/05/2023 16:00	5.574044	66.6837	10.94718	7.78966	0
19/05/2023 16:10	5.511464	69.0471	12.20836	7.4701	0
19/05/2023 16:20	5.341033	61.96503	10.71595	6.99076	0
19/05/2023 16:30	4.98552	62.67499	13.9952	6.99076	0
19/05/2023 16:40	4.900306	65.38107	11.93519	7.07065	0
19/05/2023 16:50	4.93093	61.76856	12.72943	6.35164	0
19/05/2023 17:00	4.78047	62.60937	11.96779	6.91087	0
19/05/2023 17:10	4.78846	68.64122	12.43437	6.03208	0
19/05/2023 17:20	4.222571	69.91112	11.28045	5.472851	0
19/05/2023 17:30	4.129367	67.8011	11.883	5.71252	0
19/05/2023 17:40	3.586115	62.49338	11.22025	4.83373	0
19/05/2023 17:50	3.532856	58.28479	12.14017	4.99351	0
19/05/2023 18:00	3.90967	60.25785	10.6001	5.233181	0
19/05/2023 18:10	3.566142	57.88718	11.12891	4.91362	0
19/05/2023 18:20	3.351771	62.48225	9.765776	4.51417	0
19/05/2023 18:30	3.405031	56.80149	11.3928	4.51417	0
19/05/2023 18:40	2.771237	58.5086	11.91117	3.79516	0
19/05/2023 18:50	3.070824	59.76574	10.20378	4.2745	0
19/05/2023 19:00	3.037537	63.20395	10.86015	4.43428	0
19/05/2023 19:10	2.449014	60.92004	12.8944	3.31582	0
19/05/2023 19:20	2.542218	63.26328	11.36171	3.31582	0
19/05/2023 19:30	2.480969	65.91027	10.32607	3.4756	0
19/05/2023 19:40	2.389096	63.6801	8.439869	3.31582	0
19/05/2023 19:50	2.536892	68.7942	9.419191	3.4756	0
19/05/2023 20:00	2.772568	69.15709	8.654425	3.87505	0
19/05/2023 20:10	2.458334	70.56076	8.516676	3.23593	0
19/05/2023 20:20	2.042906	79.71194	10.86215	2.75659	0
19/05/2023 20:30	1.703373	85.38309	10.12784	2.43703	0
19/05/2023 20:40	1.655439	78.65413	9.014946	2.11747	0
19/05/2023 20:50	1.784595	80.06041	10.31282	2.43703	0
19/05/2023 21:00	1.603511	90.0607	12.54875	2.35714	0
19/05/2023 21:10	1.232023	89.22826	8.883412	1.8778	0
19/05/2023 21:20	0.4515966	90.14778	6.631827	1.31857	0
19/05/2023 21:30	0.204216	83.0437	6.279688	0.75934	0
19/05/2023 21:40	0.2025549	92.59048	5.971241	0.8392301	0
19/05/2023 21:50	0.1209395	75.63822	2.356087	0.43978	0
19/05/2023 22:00	0.1515897	55.03825	2.031568	0.51967	0
19/05/2023 22:10	0.122271	63.46784	2.331681	0.51967	0
19/05/2023 22:20	0.08062637	85.32626	1.405621	0.43978	0
19/05/2023 22:30	0.4696167	81.81964	5.932752	0.99901	0
19/05/2023 22:40	1.029634	89.63161	8.87097	1.55824	0
19/05/2023 22:50	1.506312	94.13779	14.81988	2.11747	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/05/2023 23:00	1.181426	108.1147	20.24197	2.11747	0
19/05/2023 23:10	1.26531	116.4826	7.2322	1.55824	0
19/05/2023 23:20	0.9524074	108.6152	10.27092	1.31857	0
19/05/2023 23:30	0.4056791	122.8513	11.23425	0.91912	0
19/05/2023 23:40	0.9617281	109.1784	12.4669	1.47835	0
19/05/2023 23:50	1.249332	105.9417	11.76297	1.95769	0
20/05/2023 00:00	1.447726	93.4556	8.53324	1.8778	0
20/05/2023 00:10	1.120177	95.32098	10.76739	1.47835	0
20/05/2023 00:20	0.7939078	90.16089	15.30052	1.31857	0
20/05/2023 00:30	1.941712	73.11591	9.576027	2.91637	0
20/05/2023 00:40	1.688727	82.2093	14.18907	2.43703	0
20/05/2023 00:50	1.72601	89.26819	13.94849	2.75659	0
20/05/2023 01:00	1.261962	85.30815	15.47112	2.03758	0
20/05/2023 01:10	2.458334	76.29366	9.209019	3.39571	0
20/05/2023 01:20	2.093503	79.1806	13.02524	3.15604	0
20/05/2023 01:30	2.3132	79.67937	11.9094	3.71527	0
20/05/2023 01:40	2.471649	83.43501	12.99144	3.4756	0
20/05/2023 01:50	2.743275	90.89949	12.55534	4.03483	0
20/05/2023 02:00	3.5728	97.06003	11.14749	5.15329	0
20/05/2023 02:10	3.170687	94.65294	11.04541	4.43428	0
20/05/2023 02:20	2.752595	85.70534	13.1607	3.63538	0
20/05/2023 02:30	2.857784	85.14695	10.00664	3.79516	0
20/05/2023 02:40	2.584826	91.21249	11.61296	3.4756	0
20/05/2023 02:50	3.265224	85.43584	11.30688	4.59406	0
20/05/2023 03:00	2.97895	87.3235	11.06938	3.79516	0
20/05/2023 03:10	2.816507	87.3681	10.2958	4.03483	0
20/05/2023 03:20	3.158703	97.12565	12.31276	4.514171	0
20/05/2023 03:30	3.39571	99.95433	13.41484	4.51417	0
20/05/2023 03:40	4.053472	99.4075	11.11358	6.03208	0
20/05/2023 03:50	3.329135	99.7444	11.98339	4.67395	0
20/05/2023 04:00	4.381021	99.57828	13.51752	5.95219	0
20/05/2023 04:10	4.498193	97.32211	10.71824	6.59131	0
20/05/2023 04:20	4.865686	99.92607	11.01939	6.83098	0
20/05/2023 04:30	5.070737	99.66855	11.69331	6.99076	0
20/05/2023 04:40	5.424916	100.5864	10.48631	7.94944	0
20/05/2023 04:50	5.422254	100.7229	12.05181	7.70977	0
20/05/2023 05:00	5.169269	102.6762	10.7964	7.4701	0
20/05/2023 05:10	5.768443	103.9659	10.88815	7.869551	0
20/05/2023 05:20	5.789748	102.4874	11.72962	8.74834	0
20/05/2023 05:30	5.644613	103.213	12.32273	8.18911	0
20/05/2023 05:40	5.540757	104.6073	11.40907	7.4701	0
20/05/2023 05:50	5.648609	103.4918	10.633	7.78966	0
20/05/2023 06:00	6.206507	98.409	11.50298	8.189111	0
20/05/2023 06:10	5.688554	99.60291	11.10328	7.62988	0
20/05/2023 06:20	5.676569	103.4581	10.87329	7.869551	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/05/2023 06:30	5.837682	100.9443	11.6832	8.189111	0
20/05/2023 06:40	5.716516	102.7005	12.29497	7.86955	0
20/05/2023 06:50	6.017435	100.8062	11.61335	8.42878	0
20/05/2023 07:00	6.387591	100.6591	11.34384	8.42878	0
20/05/2023 07:10	6.575332	98.92163	13.61549	8.74834	0
20/05/2023 07:20	7.536677	101.6734	10.03162	10.18636	0
20/05/2023 07:30	7.435482	100.2088	10.56293	10.42603	0
20/05/2023 07:40	7.191817	103.9797	11.17305	10.50592	0
20/05/2023 07:50	7.620561	101.0678	12.43474	10.6657	0
20/05/2023 08:00	8.125198	101.0328	11.53156	11.54449	0
20/05/2023 08:10	7.695124	103.2641	8.938057	10.34614	0
20/05/2023 08:20	6.776389	102.0292	10.97987	9.78691	0
20/05/2023 08:30	8.115879	103.6956	11.25656	11.86405	0
20/05/2023 08:40	8.512666	103.6443	10.17217	11.22493	0
20/05/2023 08:50	6.990762	102.8826	11.74176	10.26625	0
20/05/2023 09:00	7.616567	101.0133	12.47676	10.74559	0
20/05/2023 09:10	8.528644	99.6331	11.00357	11.70427	0
20/05/2023 09:20	8.838882	101.7088	12.36452	12.18361	0
20/05/2023 09:30	8.889481	101.3224	14.06328	11.38471	0
20/05/2023 09:40	8.870838	97.36925	11.0816	12.50317	0
20/05/2023 09:50	8.810923	96.12428	10.58443	12.18361	0
20/05/2023 10:00	8.194438	96.39451	12.78173	11.70427	0
20/05/2023 10:10	8.233049	92.06956	12.59634	11.70427	0
20/05/2023 10:20	8.360873	97.39194	14.44556	11.70427	0
20/05/2023 10:30	8.094574	98.28468	13.0242	11.78416	0
20/05/2023 10:40	8.099901	98.28342	14.84002	11.30482	0
20/05/2023 10:50	8.014685	93.22354	11.76575	10.50592	0
20/05/2023 11:00	7.70045	91.49504	12.88785	10.90537	0
20/05/2023 11:10	8.251691	89.0523	11.07518	11.94394	0
20/05/2023 11:20	7.790993	90.95454	12.0964	10.6657	0
20/05/2023 11:30	8.38484	90.05846	11.64839	11.54449	0
20/05/2023 11:40	8.555273	88.90854	13.47808	11.30482	0
20/05/2023 11:50	8.583235	90.77933	13.23578	11.78416	0
20/05/2023 12:00	8.69375	87.08957	11.2228	11.70427	0
20/05/2023 12:10	8.426118	90.54974	12.31616	11.70427	0
20/05/2023 12:20	8.217072	87.12576	13.07479	11.30482	0
20/05/2023 12:30	8.230388	84.93521	12.09681	12.18361	0
20/05/2023 12:40	8.725706	81.30528	11.5071	11.78416	0
20/05/2023 12:50	8.079928	85.04575	13.15935	11.86405	0
20/05/2023 13:00	7.687136	85.18781	12.0413	10.42603	0
20/05/2023 13:10	8.079927	76.75566	9.334341	11.22493	0
20/05/2023 13:20	8.035989	78.20158	11.32747	11.22493	0
20/05/2023 13:30	8.275658	77.97888	11.66825	10.98526	0
20/05/2023 13:40	8.16115	81.70262	11.78264	11.54449	0
20/05/2023 13:50	8.344896	78.64098	10.79008	10.90537	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/05/2023 14:00	8.604539	80.63607	11.08559	10.98526	0
20/05/2023 14:10	8.098568	81.8095	11.07873	11.06515	0
20/05/2023 14:20	7.910828	82.12007	11.57364	10.6657	0
20/05/2023 14:30	7.892186	82.53743	10.35812	10.6657	0
20/05/2023 14:40	7.436812	81.34314	14.20966	11.22493	0
20/05/2023 14:50	7.54866	78.40649	9.440655	10.10647	0
20/05/2023 15:00	7.331626	77.97601	12.25942	9.94669	0
20/05/2023 15:10	6.761744	75.48932	11.97307	9.30757	0
20/05/2023 15:20	7.045352	72.52998	12.72727	9.227679	0
20/05/2023 15:30	6.327673	72.4966	11.0563	8.668449	0
20/05/2023 15:40	5.735156	66.61145	11.78917	8.348889	0
20/05/2023 15:50	5.956185	65.29614	11.79238	8.10922	0
20/05/2023 16:00	6.90155	69.76399	10.0456	8.34889	0
20/05/2023 16:10	5.644614	65.80621	11.28848	7.70977	0
20/05/2023 16:20	6.134605	68.14397	11.5276	8.98801	0
20/05/2023 16:30	5.547415	69.36913	11.77473	7.62988	0
20/05/2023 16:40	5.689885	66.74982	11.61672	7.709771	0
20/05/2023 16:50	5.058753	68.78988	12.36595	7.15054	0
20/05/2023 17:00	4.909625	67.32219	12.04901	7.150541	0
20/05/2023 17:10	5.053428	65.88963	10.83292	7.07065	0
20/05/2023 17:20	4.743187	63.413	10.77054	5.95219	0
20/05/2023 17:30	4.468899	62.73585	11.68196	5.872301	0
20/05/2023 17:40	4.013526	65.73831	9.771893	5.472851	0
20/05/2023 17:50	3.775188	65.13037	12.11975	5.472851	0
20/05/2023 18:00	3.548832	67.93716	11.65734	4.67395	0
20/05/2023 18:10	3.576795	65.89622	9.393772	4.67395	0
20/05/2023 18:20	3.126747	64.76871	9.764084	4.51417	0
20/05/2023 18:30	3.207968	65.92397	9.400362	4.19461	0
20/05/2023 18:40	3.02289	69.2621	10.31918	4.11472	0
20/05/2023 18:50	2.867105	68.71625	9.770211	4.03483	0
20/05/2023 19:00	2.860447	67.79953	9.164668	4.03483	0
20/05/2023 19:10	2.909712	70.49631	7.172972	3.95494	0
20/05/2023 19:20	2.635424	70.99101	9.237276	3.55549	0
20/05/2023 19:30	2.44635	74.01524	9.310865	3.4756	0
20/05/2023 19:40	2.331842	84.77174	12.13318	3.39571	0
20/05/2023 19:50	1.329222	105.3971	10.11439	1.95769	0
20/05/2023 20:00	1.204061	106.5987	10.19671	1.71802	0
20/05/2023 20:10	1.297266	91.70548	12.01027	1.8778	0
20/05/2023 20:20	1.925734	74.89142	10.2846	2.75659	0
20/05/2023 20:30	2.128122	72.9478	8.542048	2.6767	0
20/05/2023 20:40	2.114807	78.14214	8.245261	2.6767	0
20/05/2023 20:50	2.192034	71.2929	8.189179	2.91637	0
20/05/2023 21:00	1.694054	74.82748	7.981902	2.19736	0
20/05/2023 21:10	1.402455	75.63873	10.41295	1.95769	0
20/05/2023 21:20	1.109131	66.12041	8.956491	1.8778	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/05/2023 21:30	1.726009	69.7233	8.392737	2.35714	0
20/05/2023 21:40	1.869812	71.39568	10.47406	2.51692	0
20/05/2023 21:50	2.086845	80.94398	9.674553	2.59681	0
20/05/2023 22:00	1.823209	84.92874	13.10643	2.51692	0
20/05/2023 22:10	2.287902	86.54959	13.51495	3.15604	0
20/05/2023 22:20	3.086802	100.1305	10.5108	4.35439	0
20/05/2023 22:30	2.915039	101.5809	12.55533	4.19461	0
20/05/2023 22:40	2.3132	104.3062	11.16108	2.91637	0
20/05/2023 22:50	2.056221	92.52654	11.35194	3.39571	0
20/05/2023 23:00	2.695341	86.74113	13.99518	4.11472	0
20/05/2023 23:10	2.961641	94.93751	17.29261	4.19461	0
20/05/2023 23:20	3.427667	100.1775	12.69549	4.51417	0
20/05/2023 23:30	3.632718	100.613	14.26797	5.39296	0
20/05/2023 23:40	3.958935	103.0347	11.33604	5.39296	0
20/05/2023 23:50	3.779182	91.0556	12.60373	5.552741	0
21/05/2023 00:00	4.108063	93.21475	11.42815	5.63263	0
21/05/2023 00:10	4.518165	98.87489	10.14468	6.51142	0
21/05/2023 00:20	4.153334	96.71497	12.18183	6.43153	0
21/05/2023 00:30	4.645989	103.3733	13.98684	6.99076	0
21/05/2023 00:40	4.117383	95.93427	12.37187	6.19186	0
21/05/2023 00:50	3.887034	95.09344	12.07855	6.03208	0
21/05/2023 01:00	4.310451	95.50536	11.38938	6.27175	0
21/05/2023 01:10	4.649983	96.04454	12.9831	6.51142	0
21/05/2023 01:20	4.386347	97.57979	13.08808	6.19186	0
21/05/2023 01:30	5.603338	101.0825	11.33041	7.949441	0
21/05/2023 01:40	5.920234	102.6942	12.30816	9.0679	0
21/05/2023 01:50	5.873631	100.133	10.92725	8.508671	0
21/05/2023 02:00	6.426205	102.4624	10.8618	8.66845	0
21/05/2023 02:10	5.568718	103.0221	12.25806	8.029329	0
21/05/2023 02:20	6.002787	100.325	9.596869	8.508671	0
21/05/2023 02:30	5.878957	101.7294	11.63093	8.34889	0
21/05/2023 02:40	6.651229	103.1954	11.00377	9.78691	0
21/05/2023 02:50	5.813715	102.1989	12.12393	8.269	0
21/05/2023 03:00	6.482129	98.83697	13.12869	9.70702	0
21/05/2023 03:10	6.548703	100.3356	11.58153	9.30757	0
21/05/2023 03:20	6.187867	99.24863	12.03614	9.14779	0
21/05/2023 03:30	6.15591	98.42294	12.25071	8.42878	0
21/05/2023 03:40	5.69521	100.0281	10.95901	7.54999	0
21/05/2023 03:50	6.062705	100.1091	11.04024	8.34889	0
21/05/2023 04:00	5.994799	100.6692	11.33455	8.42878	0
21/05/2023 04:10	5.732493	99.84982	10.80183	7.15054	0
21/05/2023 04:20	5.34902	101.9071	12.316	8.42878	0
21/05/2023 04:30	6.383597	102.1293	11.44664	8.668449	0
21/05/2023 04:40	5.918904	98.519	12.13075	8.58856	0
21/05/2023 04:50	6.379602	100.2582	12.50764	10.02658	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/05/2023 05:00	6.922854	100.185	12.03177	9.786909	0
21/05/2023 05:10	5.953523	101.022	12.7036	8.50867	0
21/05/2023 05:20	6.464819	102.3909	11.84072	9.147791	0
21/05/2023 05:30	5.592686	100.5541	11.34472	8.508671	0
21/05/2023 05:40	6.580659	101.6851	13.5752	10.02658	0
21/05/2023 05:50	7.178503	103.8606	10.53906	9.786909	0
21/05/2023 06:00	7.34494	102.2407	11.80573	10.02658	0
21/05/2023 06:10	7.166519	103.7809	10.53454	10.58581	0
21/05/2023 06:20	7.363581	103.2	12.73541	9.8668	0
21/05/2023 06:30	7.6645	103.3305	9.957362	10.10647	0
21/05/2023 06:40	7.327632	103.3607	11.05705	10.02658	0
21/05/2023 06:50	7.334289	99.70477	11.01897	10.34614	0
21/05/2023 07:00	7.597926	103.1846	10.3949	10.26625	0
21/05/2023 07:10	7.576621	103.1501	10.77587	10.58581	0
21/05/2023 07:20	7.415509	102.2327	11.78979	10.10647	0
21/05/2023 07:30	7.466107	103.1968	10.72953	10.26625	0
21/05/2023 07:40	7.577952	103.2596	12.93619	10.6657	0
21/05/2023 07:50	7.155867	103.4987	12.61121	10.50592	0
21/05/2023 08:00	6.904213	99.14909	11.99054	10.42603	0
21/05/2023 08:10	7.53934	98.71712	12.05687	10.6657	0
21/05/2023 08:20	7.29168	96.24318	12.28996	10.58581	0
21/05/2023 08:30	8.159817	97.9818	11.50786	11.54449	0
21/05/2023 08:40	8.380847	95.80439	12.17601	12.18361	0
21/05/2023 08:50	8.189111	91.87298	12.36285	10.82548	0
21/05/2023 09:00	9.683052	88.27684	11.2361	13.14229	0
21/05/2023 09:10	9.206376	87.19215	10.28149	13.46185	0
21/05/2023 09:20	9.54724	88.84242	10.68519	13.70152	0
21/05/2023 09:30	9.773594	90.35481	11.57121	13.54174	0
21/05/2023 09:40	8.241039	87.66152	12.23973	11.62438	0
21/05/2023 09:50	9.151785	86.51631	10.72171	13.0624	0
21/05/2023 10:00	8.995998	92.08162	11.40691	12.02383	0
21/05/2023 10:10	9.760281	86.71106	13.11531	14.89987	0
21/05/2023 10:20	9.956013	88.25555	12.07066	13.22218	0
21/05/2023 10:30	9.452705	88.60925	12.04132	12.58306	0
21/05/2023 10:40	10.45798	83.0829	11.67633	13.38196	0
21/05/2023 10:50	9.565882	89.52412	10.56422	13.22218	0
21/05/2023 11:00	9.848161	86.55918	11.27499	13.54174	0
21/05/2023 11:10	10.10647	85.20966	10.82225	13.14229	0
21/05/2023 11:20	10.48462	83.03087	11.78765	14.34064	0
21/05/2023 11:30	10.24628	83.72261	9.874268	13.78141	0
21/05/2023 11:40	9.055918	87.49255	10.16621	12.2635	0
21/05/2023 11:50	9.143795	87.20612	12.24956	12.82273	0
21/05/2023 12:00	9.880116	85.35164	11.36398	14.26075	0
21/05/2023 12:10	9.105183	84.58963	11.83716	12.42328	0
21/05/2023 12:20	8.386173	84.62572	13.00199	11.62438	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/05/2023 12:30	9.007984	84.34817	13.13123	11.78416	0
21/05/2023 12:40	9.656424	85.2461	8.950071	13.22218	0
21/05/2023 12:50	8.358212	83.66222	12.82989	12.10372	0
21/05/2023 13:00	8.68576	84.59126	11.5632	12.42328	0
21/05/2023 13:10	9.322218	82.52122	10.87628	12.34339	0
21/05/2023 13:20	8.77364	86.30978	12.71487	11.70427	0
21/05/2023 13:30	9.07722	83.85765	12.67303	12.02383	0
21/05/2023 13:40	8.241039	88.54936	11.97589	11.70427	0
21/05/2023 13:50	8.757662	87.82539	12.28116	11.94394	0
21/05/2023 14:00	7.72708	78.58012	13.68396	10.74559	0
21/05/2023 14:10	7.146547	79.14462	14.63185	10.26625	0
21/05/2023 14:20	7.021385	77.42566	11.66936	10.18636	0
21/05/2023 14:30	7.25573	78.34469	10.7872	10.02658	0
21/05/2023 14:40	7.143884	76.70543	10.99437	9.627131	0
21/05/2023 14:50	7.681809	76.38142	10.17497	10.18636	0
21/05/2023 15:00	6.985436	78.34022	12.67053	9.54724	0
21/05/2023 15:10	6.700494	76.86362	11.65958	8.908119	0
21/05/2023 15:20	5.815046	73.58498	12.32399	8.34889	0
21/05/2023 15:30	6.577997	69.90727	12.20041	9.14779	0
21/05/2023 15:40	6.430199	68.0937	10.33562	8.82823	0
21/05/2023 15:50	6.428868	67.26276	11.36244	8.82823	0
21/05/2023 16:00	6.231806	72.6497	12.87702	8.58856	0
21/05/2023 16:10	6.2358	69.31062	13.09325	8.029329	0
21/05/2023 16:20	5.695211	69.70363	12.23042	8.42878	0
21/05/2023 16:30	5.653934	67.96095	10.89431	8.029331	0
21/05/2023 16:40	6.250447	75.05618	9.676554	7.86955	0
21/05/2023 16:50	5.22386	65.38872	11.81645	6.91087	0
21/05/2023 17:00	5.238506	68.56087	10.21252	7.39021	0
21/05/2023 17:10	4.520828	69.74039	12.83882	6.51142	0
21/05/2023 17:20	4.271837	67.51934	11.3749	6.51142	0
21/05/2023 17:30	3.817795	69.49707	11.18502	5.63263	0
21/05/2023 17:40	3.648695	65.43845	11.55736	4.99351	0
21/05/2023 17:50	4.057466	63.59017	11.66303	5.472851	0
21/05/2023 18:00	3.375739	66.23502	9.730904	4.75384	0
21/05/2023 18:10	3.55549	75.77898	9.302408	5.55274	0
21/05/2023 18:20	3.346444	72.90808	10.51567	5.0734	0
21/05/2023 18:30	3.016232	74.64597	11.49541	4.43428	0
21/05/2023 18:40	2.83648	77.43394	9.307281	3.55549	0
21/05/2023 18:50	2.170729	78.2991	8.508816	2.91637	0
21/05/2023 19:00	1.927066	79.32091	9.491547	2.59681	0
21/05/2023 19:10	2.024266	82.59984	8.993328	2.83648	0
21/05/2023 19:20	2.041574	75.08832	8.259614	2.59681	0
21/05/2023 19:30	2.181382	67.50784	8.67083	2.99626	0
21/05/2023 19:40	1.928397	75.88383	7.072156	2.51692	0
21/05/2023 19:50	1.981657	70.41734	5.717498	2.6767	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/05/2023 20:00	1.715358	61.13757	6.41663	2.03758	0
21/05/2023 20:10	1.576881	55.48441	5.685281	1.95769	0
21/05/2023 20:20	0.8640962	66.84915	6.445589	1.39846	0
21/05/2023 20:30	0.3556773	60.1946	3.454332	1.0789	0
21/05/2023 20:40	1.507643	54.58693	4.432966	1.8778	0
21/05/2023 20:50	0.9817005	77.55772	7.297281	1.31857	0
21/05/2023 21:00	1.319902	85.89088	9.361938	1.79791	0
21/05/2023 21:10	0.5111846	97.12068	10.20736	1.15879	0
21/05/2023 21:20	0.06029848	147.1963	2.888144	0.51967	0
21/05/2023 21:30	0.6287761	116.0369	16.90343	1.23868	0
21/05/2023 21:40	1.14947	105.2778	7.952799	1.55824	0
21/05/2023 21:50	1.128165	83.39239	8.410356	1.47835	0
21/05/2023 22:00	0.4149612	87.80544	6.621816	1.0789	0
21/05/2023 22:10	0.8086053	82.05447	11.76109	1.0789	0
21/05/2023 22:20	0.7678858	72.18154	7.314757	1.39846	0
21/05/2023 22:30	0.8068803	77.30594	16.71527	1.23868	0
21/05/2023 22:40	1.112188	85.36864	24.4195	1.63813	0
21/05/2023 22:50	0.951076	71.59301	19.18697	1.39846	0
21/05/2023 23:00	1.236017	58.72606	13.65345	1.63813	0
21/05/2023 23:10	1.001673	76.65337	8.47097	1.39846	0
21/05/2023 23:20	0.7453271	112.2678	20.72144	1.31857	0
21/05/2023 23:30	1.020288	108.9348	13.80282	1.55824	0
21/05/2023 23:40	1.120177	99.51583	8.450583	1.55824	0
21/05/2023 23:50	1.148138	88.39603	15.12206	1.55824	0
22/05/2023 00:00	0.537712	107.4264	5.275436	1.8778	0
22/05/2023 00:10	2.057552	125.1353	14.91771	3.07615	0
22/05/2023 00:20	1.658103	115.4409	13.03074	2.35714	0
22/05/2023 00:30	1.724678	116.2482	13.7783	2.51692	0
22/05/2023 00:40	1.792584	113.997	11.98063	2.51692	0
22/05/2023 00:50	2.259941	107.5424	12.92493	3.39571	0
22/05/2023 01:00	3.198648	97.64719	12.72367	4.75384	0
22/05/2023 01:10	3.480926	96.42833	10.11103	4.67395	0
22/05/2023 01:20	3.58212	97.43135	11.92159	5.47285	0
22/05/2023 01:30	2.992266	92.49957	10.19235	4.67395	0
22/05/2023 01:40	3.078813	91.09572	10.12473	4.35439	0
22/05/2023 01:50	3.426335	93.77553	11.85666	4.59406	0
22/05/2023 02:00	3.59943	98.96051	11.76541	4.75384	0
22/05/2023 02:10	4.720552	104.0815	9.845659	6.43153	0
22/05/2023 02:20	4.74452	100.1965	9.310466	6.51142	0
22/05/2023 02:30	4.638	101.0133	11.19763	6.11197	0
22/05/2023 02:40	4.48754	102.0919	10.72285	5.872301	0
22/05/2023 02:50	4.154665	101.9622	11.63966	6.03208	0
22/05/2023 03:00	4.404987	103.3597	10.40899	5.79241	0
22/05/2023 03:10	4.519497	104.7045	11.28716	6.03208	0
22/05/2023 03:20	4.934924	102.329	12.22343	6.83098	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/05/2023 03:30	4.871013	103.8242	9.860128	6.51142	0
22/05/2023 03:40	4.455584	102.5957	13.12441	6.19186	0
22/05/2023 03:50	4.026842	105.1557	12.86681	5.8723	0
22/05/2023 04:00	4.373031	101.9944	12.23385	6.19186	0
22/05/2023 04:10	3.920321	99.73534	13.22033	5.31307	0
22/05/2023 04:20	4.587402	106.3415	12.81914	6.59131	0
22/05/2023 04:30	4.657972	102.8264	10.7465	7.230431	0
22/05/2023 04:40	3.997548	101.3939	12.67484	6.19186	0
22/05/2023 04:50	4.612701	98.79345	11.67808	6.83098	0
22/05/2023 05:00	4.097411	98.61837	13.86495	6.11197	0
22/05/2023 05:10	3.985564	99.52866	13.39355	6.35164	0
22/05/2023 05:20	4.279825	99.26912	15.45417	6.6712	0
22/05/2023 05:30	4.598055	102.3002	10.71873	6.27175	0
22/05/2023 05:40	4.539469	103.4917	15.28395	6.6712	0
22/05/2023 05:50	4.568761	100.8591	12.36334	6.91087	0
22/05/2023 06:00	4.234555	100.7879	14.45037	6.75109	0
22/05/2023 06:10	4.077438	94.11713	13.70238	5.55274	0
22/05/2023 06:20	4.566098	96.24205	12.99811	6.83098	0
22/05/2023 06:30	4.1054	91.53746	12.99673	5.63263	0
22/05/2023 06:40	4.562105	92.8129	11.21488	6.03208	0
22/05/2023 06:50	4.290478	93.63438	13.67638	6.27175	0
22/05/2023 07:00	4.4689	94.56078	13.2169	6.35164	0
22/05/2023 07:10	4.564768	93.64778	10.90238	6.43153	0
22/05/2023 07:20	4.430286	94.33406	12.15059	6.03208	0
22/05/2023 07:30	4.619359	93.80826	11.48094	6.51142	0
22/05/2023 07:40	4.861691	95.52596	13.45062	7.54999	0
22/05/2023 07:50	5.371655	101.4306	13.99936	8.348889	0
22/05/2023 08:00	4.966881	97.42625	12.54845	7.15054	0
22/05/2023 08:10	4.852371	99.67635	12.82154	6.51142	0
22/05/2023 08:20	6.310365	105.1436	11.94895	9.38746	0
22/05/2023 08:30	5.345026	94.64459	11.6357	8.18911	0
22/05/2023 08:40	6.26243	100.077	11.11878	8.50867	0
22/05/2023 08:50	6.167894	94.97313	14.59617	9.30757	0
22/05/2023 09:00	6.584654	93.46704	12.94086	10.02658	0
22/05/2023 09:10	6.289062	93.76854	13.78024	9.78691	0
22/05/2023 09:20	7.328961	89.15797	10.80494	10.18636	0
22/05/2023 09:30	7.183829	87.20727	10.3735	9.786909	0
22/05/2023 09:40	6.190529	86.72653	13.16467	8.109221	0
22/05/2023 09:50	6.073358	88.61963	12.38725	8.74834	0
22/05/2023 10:00	6.849623	80.95152	9.364037	9.547239	0
22/05/2023 10:10	6.623266	88.64333	11.83746	9.14779	0
22/05/2023 10:20	6.877583	87.36636	12.75795	9.70702	0
22/05/2023 10:30	6.623266	85.34561	11.63104	9.627131	0
22/05/2023 10:40	7.542002	87.49805	11.95947	10.90537	0
22/05/2023 10:50	7.976071	86.69165	11.05828	10.26625	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/05/2023 11:00	7.721755	87.51816	11.44586	10.02658	0
22/05/2023 11:10	7.805638	85.57912	12.23865	11.4646	0
22/05/2023 11:20	8.363539	82.56305	11.69543	11.22493	0
22/05/2023 11:30	7.259724	87.06384	12.40646	10.50592	0
22/05/2023 11:40	7.968081	89.66071	11.03161	10.58581	0
22/05/2023 11:50	8.030663	92.38988	11.54687	10.82548	0
22/05/2023 12:00	8.229056	89.39648	10.0456	10.74559	0
22/05/2023 12:10	7.155868	87.047	13.74358	9.94669	0
22/05/2023 12:20	7.515372	85.19292	12.00237	9.38746	0
22/05/2023 12:30	7.358255	84.44353	12.24095	10.42603	0
22/05/2023 12:40	6.693836	88.82242	13.46433	9.8668	0
22/05/2023 12:50	7.283691	85.65486	12.4627	10.82548	0
22/05/2023 13:00	7.411515	92.90252	11.77566	10.02658	0
22/05/2023 13:10	7.526024	86.73611	12.22594	10.02658	0
22/05/2023 13:20	6.840301	85.20331	12.03692	9.38746	0
22/05/2023 13:30	6.780385	79.12614	12.21086	9.46735	0
22/05/2023 13:40	5.905588	81.95339	14.73514	9.0679	0
22/05/2023 13:50	6.986768	77.03432	12.67243	9.786909	0
22/05/2023 14:00	7.307658	73.90769	10.65454	9.62713	0
22/05/2023 14:10	6.620604	80.37122	11.02384	9.547239	0
22/05/2023 14:20	6.382266	78.29572	14.11479	8.428781	0
22/05/2023 14:30	6.346315	78.30365	11.44456	8.668449	0
22/05/2023 14:40	6.315691	79.33556	12.14556	8.908119	0
22/05/2023 14:50	6.792367	75.31033	10.77999	8.82823	0
22/05/2023 15:00	5.998794	64.10751	12.84169	8.02933	0
22/05/2023 15:10	5.973495	60.92587	11.33116	8.02933	0
22/05/2023 15:20	6.189198	64.06812	11.08862	8.34889	0
22/05/2023 15:30	6.115965	76.46793	11.66748	8.82823	0
22/05/2023 15:40	5.981484	64.9744	11.12179	8.10922	0
22/05/2023 15:50	5.251822	62.53172	17.39059	6.99076	0
22/05/2023 16:00	5.370326	68.37739	14.33438	7.70977	0
22/05/2023 16:10	4.769818	57.00671	14.36557	6.6712	0
22/05/2023 16:20	4.645989	54.54008	11.12548	6.11197	0
22/05/2023 16:30	4.696586	62.37614	13.16188	6.83098	0
22/05/2023 16:40	4.330423	62.17659	12.05639	6.35164	0
22/05/2023 16:50	4.450258	60.33288	12.96281	6.11197	0
22/05/2023 17:00	4.214583	64.5331	12.27734	6.35164	0
22/05/2023 17:10	3.347776	62.57164	13.14375	5.39296	0
22/05/2023 17:20	3.287859	78.78686	11.71071	5.15329	0
22/05/2023 17:30	3.29718	72.37737	11.09311	4.2745	0
22/05/2023 17:40	2.801862	75.34293	10.69989	3.95494	0
22/05/2023 17:50	2.4104	68.95039	9.389064	3.39571	0
22/05/2023 18:00	2.353146	70.25142	14.26626	3.07615	0
22/05/2023 18:10	2.1441	77.27574	10.93058	2.99626	0
22/05/2023 18:20	2.052227	64.03241	8.529778	2.99626	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/05/2023 18:30	2.074862	66.54038	8.161372	2.6767	0
22/05/2023 18:40	1.853833	68.62558	6.801404	2.59681	0
22/05/2023 18:50	1.900435	76.88604	8.980286	2.51692	0
22/05/2023 19:00	1.973668	77.44586	8.740574	2.91637	0
22/05/2023 19:10	1.546257	69.63248	6.637244	2.11747	0
22/05/2023 19:20	1.747313	71.52759	8.812716	2.43703	0
22/05/2023 19:30	2.162741	75.45647	9.498262	2.75659	0
22/05/2023 19:40	2.034917	72.43695	6.683428	2.6767	0
22/05/2023 19:50	2.018939	75.04875	6.24141	2.43703	0
22/05/2023 20:00	1.813888	76.67958	7.486541	2.11747	0
22/05/2023 20:10	1.040287	85.04646	8.531698	1.79791	0
22/05/2023 20:20	1.306587	70.89205	6.101957	1.63813	0
22/05/2023 20:30	0.6544169	76.61264	4.168039	0.99901	0
22/05/2023 20:40	0.652666	42.57722	3.412338	1.23868	0
22/05/2023 20:50	1.28262	48.9789	3.545599	1.55824	0
22/05/2023 21:00	1.182757	47.44181	3.597679	1.39846	0
22/05/2023 21:10	1.405118	50.94276	3.973441	1.63813	0
22/05/2023 21:20	0.8308086	58.51823	3.033921	1.31857	0
22/05/2023 21:30	0.1522233	71.1644	3.354053	0.75934	0
22/05/2023 21:40	0.1422307	77.47649	6.120573	0.8392301	0
22/05/2023 21:50	0.2111903	80.64021	9.450512	0.75934	0
22/05/2023 22:00	0.9180796	41.45046	5.99109	1.39846	0
22/05/2023 22:10	0.9390925	61.12548	12.18629	1.31857	0
22/05/2023 22:20	0.5695307	72.92203	8.555851	1.0789	0
22/05/2023 22:30					0
22/05/2023 22:40					0
22/05/2023 22:50					0
22/05/2023 23:00	0.01465933	23.011	1.000474	0.43978	0
22/05/2023 23:10					0
22/05/2023 23:20	0.007329667	333.4858	0.002179881	0.43978	0
22/05/2023 23:30	0.065967	301.7357	1.251922	0.43978	0
22/05/2023 23:40	0.02565384	286.2498	1.710865	0.43978	0
22/05/2023 23:50					0
23/05/2023 00:00	0.07428569	265.4359	4.52466	0.59956	0
23/05/2023 00:10	0.07395601	236.1303	4.617602	0.59956	0
23/05/2023 00:20	0.01465933	238.4782	3.235818	0.43978	0
23/05/2023 00:30					0
23/05/2023 00:40					0
23/05/2023 00:50					0
23/05/2023 01:00					0
23/05/2023 01:10					0
23/05/2023 01:20					0
23/05/2023 01:30					0
23/05/2023 01:40					0
23/05/2023 01:50					0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/05/2023 02:00					0
23/05/2023 02:10	0.1984833	164.3465	16.77872	1.39846	0
23/05/2023 02:20	0.590047	200.2704	13.54452	1.31857	0
23/05/2023 02:30	1.270281	192.0612	28.94509	2.03758	0
23/05/2023 02:40	0.9070724	263.5463	27.088	1.39846	0
23/05/2023 02:50	0.9407279	227.4711	19.75018	1.55824	0
23/05/2023 03:00	0.7120398	251.088	12.66127	0.99901	0
23/05/2023 03:10	0.5331606	297.2726	11.65889	0.99901	0
23/05/2023 03:20	0.133912	101.0571	4.85867	0.75934	0
23/05/2023 03:30	0.5282797	183.6349	27.11313	0.9191201	0
23/05/2023 03:40	0.3603697	250.6874	9.719389	0.91912	0
23/05/2023 03:50	0.2707911	193.5604	27.11671	0.99901	0
23/05/2023 04:00	0.4040052	177.3429	43.53262	1.0789	0
23/05/2023 04:10	0.7420304	70.57266	24.07137	1.0789	0
23/05/2023 04:20	0.8871385	68.48634	17.6941	1.63813	0
23/05/2023 04:30	1.164116	62.5415	11.34505	1.63813	0
23/05/2023 04:40	1.180094	71.50813	12.31708	1.63813	0
23/05/2023 04:50	1.298597	75.0191	9.737552	1.8778	0
23/05/2023 05:00	1.197403	81.84306	8.086892	1.55824	0
23/05/2023 05:10	1.454383	79.0592	6.759614	1.8778	0
23/05/2023 05:20	1.419764	94.50619	10.3292	2.11747	0
23/05/2023 05:30	1.52229	95.29921	12.06609	1.95769	0
23/05/2023 05:40	1.618158	86.56831	11.08324	2.35714	0
23/05/2023 05:50	1.14947	94.96017	17.14386	1.55824	0
23/05/2023 06:00	2.435699	79.84096	13.8387	3.55549	0
23/05/2023 06:10	3.218621	80.88043	9.8843	4.11472	0
23/05/2023 06:20	3.249244	85.91005	10.7389	4.59406	0
23/05/2023 06:30	3.048189	86.0962	8.935482	3.87505	0
23/05/2023 06:40	2.370455	87.26245	9.220034	2.99626	0
23/05/2023 06:50	2.309206	89.7769	9.122712	3.15604	0
23/05/2023 07:00	2.200023	90.37482	11.38412	3.15604	0
23/05/2023 07:10	2.242631	91.24501	12.59913	3.55549	0
23/05/2023 07:20	2.323853	93.90947	14.39569	3.23593	0
23/05/2023 07:30	2.93368	96.69734	11.75545	4.43428	0
23/05/2023 07:40	3.267887	93.05563	12.335	4.75384	0
23/05/2023 07:50	4.036161	89.47359	12.31355	5.31307	0
23/05/2023 08:00	4.582076	85.64876	11.41801	6.51142	0
23/05/2023 08:10	4.964218	88.54988	12.6913	6.99076	0
23/05/2023 08:20	4.996173	88.44961	12.81812	7.07065	0
23/05/2023 08:30	5.327717	89.62694	11.84302	7.15054	0
23/05/2023 08:40	5.391629	93.18988	12.51873	7.62988	0
23/05/2023 08:50	4.727211	90.28946	13.42431	6.35164	0
23/05/2023 09:00	4.451591	91.61743	12.88884	6.19186	0
23/05/2023 09:10	4.39034	91.04879	14.62642	5.872301	0
23/05/2023 09:20	4.502187	98.37375	12.95213	6.19186	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/05/2023 09:30	4.817751	90.13351	10.58666	6.75109	0
23/05/2023 09:40	4.494198	90.69331	13.49344	6.35164	0
23/05/2023 09:50	5.563393	92.55894	13.56837	7.70977	0
23/05/2023 10:00	6.261098	86.1622	11.48459	9.547239	0
23/05/2023 10:10	5.984147	86.30966	12.81313	8.34889	0
23/05/2023 10:20	6.217159	83.3864	10.07415	8.428781	0
23/05/2023 10:30	6.751091	83.64979	11.45602	9.30757	0
23/05/2023 10:40	5.735157	86.67508	13.42377	7.86955	0
23/05/2023 10:50	4.970875	86.24294	11.5187	7.39021	0
23/05/2023 11:00	5.431574	74.86194	12.26333	7.62988	0
23/05/2023 11:10	6.299712	83.01974	11.29181	8.18911	0
23/05/2023 11:20	6.570007	78.70325	11.38875	8.908119	0
23/05/2023 11:30	6.793699	78.60897	10.72276	9.30757	0
23/05/2023 11:40	5.869637	81.00877	11.04357	8.50867	0
23/05/2023 11:50	6.27042	83.06844	12.27165	9.0679	0
23/05/2023 12:00	6.358298	85.72508	11.23698	8.98801	0
23/05/2023 12:10	6.603295	90.71168	10.682	9.30757	0
23/05/2023 12:20	6.267756	86.37393	11.91789	8.42878	0
23/05/2023 12:30	6.187866	86.77679	12.71299	8.74834	0
23/05/2023 12:40	6.43952	85.138	11.85044	8.34889	0
23/05/2023 12:50	6.83897	86.47709	12.89794	9.46735	0
23/05/2023 13:00	6.076021	86.63432	13.52048	8.74834	0
23/05/2023 13:10	6.289061	87.13489	12.46779	8.58856	0
23/05/2023 13:20	6.749759	90.295	12.57347	8.98801	0
23/05/2023 13:30	6.058712	88.36739	12.14495	8.428781	0
23/05/2023 13:40	5.49016	91.08229	14.74052	7.86955	0
23/05/2023 13:50	5.946865	86.80557	12.48781	7.78966	0
23/05/2023 14:00	6.223818	86.60281	12.58251	8.668449	0
23/05/2023 14:10	5.941539	90.22865	11.69019	8.029331	0
23/05/2023 14:20	5.415597	84.0576	12.46623	7.39021	0
23/05/2023 14:30	5.282446	77.98494	12.97458	7.4701	0
23/05/2023 14:40	5.234512	76.90683	13.25929	7.70977	0
23/05/2023 14:50	5.44622	74.07874	11.73948	7.78966	0
23/05/2023 15:00	5.386302	74.21732	10.58535	7.62988	0
23/05/2023 15:10	5.149295	75.96379	10.50439	6.59131	0
23/05/2023 15:20	4.572757	75.18121	11.85377	6.43153	0
23/05/2023 15:30	4.901636	72.44186	10.98026	6.35164	0
23/05/2023 15:40	4.527485	71.65654	13.11362	6.032081	0
23/05/2023 15:50	4.576751	69.55997	12.3119	6.51142	0
23/05/2023 16:00	4.652646	75.09995	11.05413	6.35164	0
23/05/2023 16:10	4.189284	71.1503	13.42669	6.19186	0
23/05/2023 16:20	4.342406	69.14231	10.79137	6.11197	0
23/05/2023 16:30	4.161323	72.30412	11.3519	5.792411	0
23/05/2023 16:40	3.869725	67.48302	13.60139	5.392961	0
23/05/2023 16:50	3.32514	71.78659	14.46263	4.59406	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/05/2023 17:00	3.496904	54.56834	11.29904	4.51417	0
23/05/2023 17:10	3.217289	55.85933	10.81146	4.11472	0
23/05/2023 17:20	2.194697	67.91006	11.63387	3.31582	0
23/05/2023 17:30	2.038912	69.65962	12.34435	2.75659	0
23/05/2023 17:40	1.828534	80.86071	12.12071	2.6767	0
23/05/2023 17:50	1.932392	95.27097	12.4187	2.83648	0
23/05/2023 18:00	1.414438	86.93185	9.183843	1.8778	0
23/05/2023 18:10	1.327891	77.12207	11.42302	1.71802	0
23/05/2023 18:20	1.049607	49.5697	11.63279	1.31857	0
23/05/2023 18:30	1.017651	80.9146	12.93232	1.31857	0
23/05/2023 18:40	1.013657	63.08498	11.58538	1.39846	0
23/05/2023 18:50	1.174768	68.43439	12.92913	1.79791	0
23/05/2023 19:00	1.41577	66.70998	11.04251	1.8778	0
23/05/2023 19:10	1.088221	70.53077	11.38754	1.47835	0
23/05/2023 19:20	1.084226	59.03264	6.181814	1.39846	0
23/05/2023 19:30	0.6248072	71.83966	14.88408	1.0789	0
23/05/2023 19:40	0.4102946	68.5304	4.678491	0.99901	0
23/05/2023 19:50	1.244007	58.5453	4.291799	1.39846	0
23/05/2023 20:00	1.334548	56.85459	3.58655	1.47835	0
23/05/2023 20:10	1.134824	60.17599	6.011206	1.31857	0
23/05/2023 20:20	1.014988	50.60648	6.019532	1.23868	0
23/05/2023 20:30	0.04463734	186.4942	3.520724	0.59956	0
23/05/2023 20:40	0.4486809	342.3445	8.513022	0.75934	0
23/05/2023 20:50	0.6574225	305.4537	3.255468	0.99901	0
23/05/2023 21:00	0.3157581	265.1856	17.67326	0.75934	0
23/05/2023 21:10	0.8924899	265.9774	13.65337	1.15879	0
23/05/2023 21:20	0.3747377	300.5109	2.99964	0.67945	0
23/05/2023 21:30					0
23/05/2023 21:40	0.4532707	295.1291	3.134995	1.0789	0
23/05/2023 21:50	0.5367998	302.8932	2.398963	0.99901	0
23/05/2023 22:00	0.8951531	289.6803	7.497306	1.0789	0
23/05/2023 22:10	0.602514	310.5339	10.53365	0.75934	0
23/05/2023 22:20	0.057293	306.9481	1.038351	0.75934	0
23/05/2023 22:30	0.6314774	267.7249	14.92903	0.91912	0
23/05/2023 22:40	0.2704357	215.643	8.725073	0.99901	0
23/05/2023 22:50	0.5551369	286.2201	20.04736	1.47835	0
23/05/2023 23:00	0.7379078	297.9174	13.50352	1.39846	0
23/05/2023 23:10					0
23/05/2023 23:20					0
23/05/2023 23:30					0
23/05/2023 23:40					0
23/05/2023 23:50	0.4482486	289.3781	6.879819	1.15879	0
24/05/2023 00:00	0.5531459	302.5099	4.148198	1.0789	0
24/05/2023 00:10	0.7139151	297.8786	5.760455	1.55824	0
24/05/2023 00:20	0.7635615	299.098	5.328607	1.47835	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/05/2023 00:30	0.3816609	156.4888	2.466835	0.91912	0
24/05/2023 00:40	0.8791752	32.56579	8.773881	1.23868	0
24/05/2023 00:50	0.1345713	333.6905	8.262346	0.75934	0
24/05/2023 01:00	0.4529155	286.1967	7.15285	1.0789	0
24/05/2023 01:10	0.9390924	293.0463	3.321659	1.23868	0
24/05/2023 01:20	0.007329667	281.3518	0.002553889	0.43978	0
24/05/2023 01:30					0
24/05/2023 01:40	1.047274	288.8021	5.413415	1.39846	0
24/05/2023 01:50	0.3853641	257.0352	10.35548	0.8392301	0
24/05/2023 02:00					0
24/05/2023 02:10					0
24/05/2023 02:20					0
24/05/2023 02:30					0
24/05/2023 02:40	0.2178093	37.59632	0.7288472	0.9191201	0
24/05/2023 02:50	0.5055287	20.74444	4.722418	0.91912	0
24/05/2023 03:00					0
24/05/2023 03:10	0.4931898	241.6606	7.060607	1.0789	0
24/05/2023 03:20	0.1045933	248.7405	2.334708	0.75934	0
24/05/2023 03:30					0
24/05/2023 03:40	0.197824	263.9628	9.634583	1.0789	0
24/05/2023 03:50	0.5868016	242.4921	17.80256	1.23868	0
24/05/2023 04:00					0
24/05/2023 04:10	0.5701901	132.1822	24.49713	1.0789	0
24/05/2023 04:20	0.363007	292.3108	11.20124	1.0789	0
24/05/2023 04:30	0.807274	260.7794	21.43155	1.15879	0
24/05/2023 04:40	0.4656223	240.6909	27.85196	1.31857	0
24/05/2023 04:50	0.364377	200.793	28.20216	1.15879	0
24/05/2023 05:00	0.5941443	186.0627	30.40969	1.15879	0
24/05/2023 05:10	0.5657889	240.7682	27.16445	1.79791	0
24/05/2023 05:20	1.494328	259.7804	16.01548	2.27725	0
24/05/2023 05:30	1.354521	262.1267	22.95605	2.27725	0
24/05/2023 05:40	0.5294319	213.2849	16.14842	1.39846	0
24/05/2023 05:50	1.040248	245.5945	25.4405	1.95769	0
24/05/2023 06:00	1.029634	298.0068	14.46698	1.47835	0
24/05/2023 06:10	1.935055	278.1204	18.63002	2.75659	0
24/05/2023 06:20	0.6920157	272.1093	16.82923	1.55824	0
24/05/2023 06:30	0.3001225	273.6742	16.84166	0.8392301	0
24/05/2023 06:40	0.869512	289.4375	40.74025	1.39846	0
24/05/2023 06:50	0.8961291	282.8203	67.80327	1.71802	0
24/05/2023 07:00	0.932435	213.6813	80.95335	1.79791	0
24/05/2023 07:10	1.189415	158.2171	70.83475	1.8778	0
24/05/2023 07:20	0.9823598	171.5809	71.25267	1.95769	0
24/05/2023 07:30	0.5325271	152.491	22.82176	1.39846	0
24/05/2023 07:40	0.1732105	113.8857	20.47788	0.75934	0
24/05/2023 07:50	0.7213346	166.7285	70.02761	1.23868	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/05/2023 08:00	1.373162	131.7923	52.01217	2.35714	0
24/05/2023 08:10	1.923071	132.5631	35.55113	2.91637	0
24/05/2023 08:20	1.566229	203.3707	68.1271	2.75659	0
24/05/2023 08:30	1.070911	160.0178	57.70633	1.71802	0
24/05/2023 08:40	1.442729	148.263	40.79556	2.43703	0
24/05/2023 08:50	1.409112	145.5541	41.02169	2.35714	0
24/05/2023 09:00	1.923071	136.2253	23.64434	2.91637	0
24/05/2023 09:10	2.394422	124.3882	18.8671	3.87505	0
24/05/2023 09:20	2.937674	113.9469	13.29523	4.43428	0
24/05/2023 09:30	3.515545	115.5278	12.1151	4.83373	0
24/05/2023 09:40	3.122752	124.4668	15.23408	4.35439	0
24/05/2023 09:50	3.355765	127.0434	15.69225	4.75384	0
24/05/2023 10:00	3.27987	135.6228	18.11591	4.75384	0
24/05/2023 10:10	3.624728	129.6952	16.29102	4.91362	0
24/05/2023 10:20	3.602093	103.5393	17.03856	5.23318	0
24/05/2023 10:30	3.642037	102.6142	15.91379	5.31307	0
24/05/2023 10:40	3.382395	90.41602	10.77809	4.91362	0
24/05/2023 10:50	3.383727	99.8774	15.34811	4.59406	0
24/05/2023 11:00	3.507556	102.7026	12.93377	4.75384	0
24/05/2023 11:10	3.265224	100.9494	15.63006	4.43428	0
24/05/2023 11:20	3.684647	94.0564	10.90093	5.15329	0
24/05/2023 11:30	3.42234	90.86157	16.44765	5.31307	0
24/05/2023 11:40	3.677988	80.82895	13.15922	5.23318	0
24/05/2023 11:50	3.527529	85.76553	13.77957	4.75384	0
24/05/2023 12:00	3.717933	78.52256	13.7979	5.0734	0
24/05/2023 12:10	3.234599	89.49705	17.25209	5.31307	0
24/05/2023 12:20	3.646033	93.17659	14.13818	5.31307	0
24/05/2023 12:30	2.96963	89.11626	17.76645	3.79516	0
24/05/2023 12:40	3.428998	85.75058	14.79804	4.59406	0
24/05/2023 12:50	3.603425	85.62915	12.54953	5.233181	0
24/05/2023 13:00	4.07877	86.92641	12.2035	5.552741	0
24/05/2023 13:10	3.837768	76.07539	14.42455	5.31307	0
24/05/2023 13:20	3.986897	83.15985	13.10036	5.392961	0
24/05/2023 13:30	4.179964	76.76118	13.47478	5.95219	0
24/05/2023 13:40	4.524822	79.03171	11.49842	6.35164	0
24/05/2023 13:50	4.845714	80.78021	12.98044	6.27175	0
24/05/2023 14:00	4.47822	85.01744	13.10707	6.11197	0
24/05/2023 14:10	4.81509	70.6825	13.48592	6.6712	0
24/05/2023 14:20	5.094705	68.71191	10.77673	6.91087	0
24/05/2023 14:30	5.03745	74.70667	11.28579	6.59131	0
24/05/2023 14:40	4.717889	72.94221	13.66512	6.27175	0
24/05/2023 14:50	4.817752	73.66838	12.3534	6.59131	0
24/05/2023 15:00	4.26518	64.11343	12.64968	5.63263	0
24/05/2023 15:10	4.591396	60.19991	10.04796	6.27175	0
24/05/2023 15:20	4.271837	67.5675	12.51481	6.03208	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/05/2023 15:30	4.333086	71.09111	11.488	5.95219	0
24/05/2023 15:40	4.53148	65.91486	13.38468	6.03208	0
24/05/2023 15:50	4.174638	50.37491	12.52925	5.872301	0
24/05/2023 16:00	4.173306	58.81135	11.51205	5.0734	0
24/05/2023 16:10	3.920322	58.77196	11.70224	4.99351	0
24/05/2023 16:20	3.590109	46.50389	13.10028	4.67395	0
24/05/2023 16:30	3.467612	46.72906	12.28505	4.43428	0
24/05/2023 16:40	3.041531	38.28545	13.21712	4.11472	0
24/05/2023 16:50	2.904387	35.26145	14.14949	3.71527	0
24/05/2023 17:00	2.978951	37.9884	11.91815	4.19461	0
24/05/2023 17:10	2.901724	43.94331	9.453909	3.79516	0
24/05/2023 17:20	2.495616	43.89742	12.24243	3.31582	0
24/05/2023 17:30	2.815176	40.31129	12.23233	3.95494	0
24/05/2023 17:40	2.957647	38.27036	12.48743	3.87505	0
24/05/2023 17:50	2.699336	40.89292	11.59447	3.55549	0
24/05/2023 18:00	2.233311	43.63823	11.98357	3.07615	0
24/05/2023 18:10	1.676744	26.68422	16.17027	2.6767	0
24/05/2023 18:20	1.034961	40.42848	24.63168	2.03758	0
24/05/2023 18:30	0.6687208	45.85223	20.0843	1.79791	0
24/05/2023 18:40	0.4312816	85.94621	26.61779	1.15879	0
24/05/2023 18:50	0.9484135	211.9745	17.34753	1.47835	0
24/05/2023 19:00	0.7423089	239.6704	20.85689	1.23868	0
24/05/2023 19:10	0.7332925	32.14452	19.39681	1.39846	0
24/05/2023 19:20	0.8791749	31.79354	30.1608	1.23868	0
24/05/2023 19:30	0.1905072	43.6643	5.37267	0.9191201	0
24/05/2023 19:40	0.5694666	49.71256	8.805408	1.15879	0
24/05/2023 19:50	0.399681	149.0505	26.77512	0.99901	0
24/05/2023 20:00	0.323366	227.0441	5.439696	0.83923	0
24/05/2023 20:10	1.395797	231.6784	22.01672	2.03758	0
24/05/2023 20:20	1.907093	240.4692	10.25144	2.35714	0
24/05/2023 20:30	1.833861	232.9246	7.209916	2.19736	0
24/05/2023 20:40	1.652776	235.3755	9.636509	2.11747	0
24/05/2023 20:50	1.626147	238.6429	10.14032	2.27725	0
24/05/2023 21:00	1.616826	240.0461	12.33624	2.11747	0
24/05/2023 21:10	1.53161	243.3625	8.123926	1.8778	0
24/05/2023 21:20	1.916414	247.6783	9.749176	2.59681	0
24/05/2023 21:30	2.177387	243.7	10.51375	2.91637	0
24/05/2023 21:40	2.133448	249.2233	9.659256	2.91637	0
24/05/2023 21:50	2.124127	245.3815	10.17311	2.6767	0
24/05/2023 22:00	2.093503	250.6093	9.989352	2.59681	0
24/05/2023 22:10	1.800573	252.2168	11.23463	2.35714	0
24/05/2023 22:20	1.837856	245.4942	7.0729	2.35714	0
24/05/2023 22:30	2.181382	253.592	10.57226	2.83648	0
24/05/2023 22:40	2.164073	252.6067	10.76636	2.99626	0
24/05/2023 22:50	2.200023	252.5281	10.32932	2.91637	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/05/2023 23:00	2.198691	254.4601	9.677517	2.91637	0
24/05/2023 23:10	2.491621	253.205	11.13675	3.39571	0
24/05/2023 23:20	2.200023	257.1304	11.0713	3.23593	0
24/05/2023 23:30	2.218663	254.2213	8.919404	3.07615	0
24/05/2023 23:40	2.10815	254.0992	9.930108	3.15604	0
24/05/2023 23:50	2.595479	244.2058	11.84422	3.39571	0
25/05/2023 00:00	3.105443	247.3345	11.10115	4.2745	0
25/05/2023 00:10	3.233268	245.7995	12.12911	4.43428	0
25/05/2023 00:20	2.294559	240.7545	12.32042	2.99626	0
25/05/2023 00:30	2.141437	246.3643	11.07306	2.99626	0
25/05/2023 00:40	2.072199	242.1714	10.53963	2.75659	0
25/05/2023 00:50	2.297222	245.2802	12.22563	3.63538	0
25/05/2023 01:00	2.084183	244.5963	10.31221	2.6767	0
25/05/2023 01:10	1.784595	243.8975	11.54616	2.59681	0
25/05/2023 01:20	1.881794	245.7476	15.59016	2.83648	0
25/05/2023 01:30	1.165447	251.2288	13.03214	1.79791	0
25/05/2023 01:40	1.580876	261.8714	9.035632	1.95769	0
25/05/2023 01:50	1.355852	267.9437	10.75902	1.63813	0
25/05/2023 02:00	1.39846	265.9818	10.8578	1.8778	0
25/05/2023 02:10	1.739324	252.3155	9.226346	2.27725	0
25/05/2023 02:20	1.696716	252.3869	8.647042	2.35714	0
25/05/2023 02:30	1.072242	256.9993	12.79433	1.55824	0
25/05/2023 02:40	0.1812381	247.0335	7.219841	0.59956	0
25/05/2023 02:50					0
25/05/2023 03:00					0
25/05/2023 03:10	0.1905072	190.4562	8.548557	0.9191201	0
25/05/2023 03:20	0.5937632	324.0168	11.86985	1.0789	0
25/05/2023 03:30	0.677395	197.35	47.01202	1.23868	0
25/05/2023 03:40	0.4732176	38.62664	14.82325	1.0789	0
25/05/2023 03:50	0.7771677	62.98379	21.1382	1.47835	0
25/05/2023 04:00	1.583539	86.67294	13.23425	2.27725	0
25/05/2023 04:10	1.086889	90.00247	17.23977	1.63813	0
25/05/2023 04:20	1.422427	94.31245	13.86543	2.11747	0
25/05/2023 04:30	0.7992851	120.3818	18.0401	1.15879	0
25/05/2023 04:40	1.394466	111.8952	9.010825	1.95769	0
25/05/2023 04:50	0.4479061	134.2076	8.65546	0.99901	0
25/05/2023 05:00	0.6676678	66.11256	13.84826	1.47835	0
25/05/2023 05:10	0.9173946	65.54988	17.49569	1.63813	0
25/05/2023 05:20	1.133492	73.65234	30.02528	1.95769	0
25/05/2023 05:30	0.8614845	67.82008	21.9712	1.79791	0
25/05/2023 05:40	0.7070432	20.54014	59.44155	1.31857	0
25/05/2023 05:50	0.5664611	222.1427	21.15108	1.55824	0
25/05/2023 06:00	0.6270893	70.67496	29.17675	1.31857	0
25/05/2023 06:10	0.6114535	88.89999	28.9692	1.23868	0
25/05/2023 06:20	0.4186262	85.65688	11.01812	1.23868	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/05/2023 06:30	0.4995691	304.4799	12.61041	0.99901	0
25/05/2023 06:40	0.5375235	291.6758	15.99566	0.99901	0
25/05/2023 06:50	0.4036498	96.07999	17.93028	1.15879	0
25/05/2023 07:00	2.068534	132.1676	30.77525	3.63538	0
25/05/2023 07:10	2.299886	127.9508	13.7985	3.4756	0
25/05/2023 07:20	2.30388	129.2628	13.18644	3.07615	0
25/05/2023 07:30	1.861822	137.1978	13.23739	2.43703	0
25/05/2023 07:40	1.663429	99.8479	11.3647	2.11747	0
25/05/2023 07:50	2.200023	95.33932	10.59921	2.91637	0
25/05/2023 08:00	2.358471	103.1909	8.831685	3.07615	0
25/05/2023 08:10	2.321189	97.28119	11.42175	3.15604	0
25/05/2023 08:20	2.012281	98.01719	11.01725	2.59681	0
25/05/2023 08:30	2.152089	91.39415	9.251295	2.83648	0
25/05/2023 08:40	2.855121	90.36688	10.82363	3.95494	0
25/05/2023 08:50	2.606131	93.7417	11.73215	3.63538	0
25/05/2023 09:00	3.152045	88.13667	11.56049	4.2745	0
25/05/2023 09:10	3.219953	84.32587	12.20035	4.35439	0
25/05/2023 09:20	3.676657	93.63661	11.52442	4.75384	0
25/05/2023 09:30	3.520872	88.8732	12.66507	5.0734	0
25/05/2023 09:40	3.571468	90.02525	13.10044	4.59406	0
25/05/2023 09:50	4.171974	96.66772	13.02894	6.43153	0
25/05/2023 10:00	3.720597	96.33235	14.48798	5.15329	0
25/05/2023 10:10	4.049477	107.9095	11.90625	5.39296	0
25/05/2023 10:20	3.75921	101.295	13.92842	4.67395	0
25/05/2023 10:30	3.873719	95.34503	13.17021	5.39296	0
25/05/2023 10:40	4.140018	97.80651	13.21046	5.63263	0
25/05/2023 10:50	4.519496	101.4974	12.16907	5.712521	0
25/05/2023 11:00	4.412977	89.99665	13.7065	6.11197	0
25/05/2023 11:10	4.725879	87.54533	13.34681	6.19186	0
25/05/2023 11:20	4.949571	82.76134	11.35662	7.07065	0
25/05/2023 11:30	5.800399	88.66767	10.89816	7.86955	0
25/05/2023 11:40	5.973495	84.88975	11.15725	8.269	0
25/05/2023 11:50	5.888278	82.72343	11.07401	7.70977	0
25/05/2023 12:00	5.258479	87.70677	10.55516	7.31032	0
25/05/2023 12:10	4.944244	81.68108	10.54824	6.6712	0
25/05/2023 12:20	6.053385	80.33427	11.14417	8.428781	0
25/05/2023 12:30	5.661923	81.2512	13.00698	7.86955	0
25/05/2023 12:40	5.261143	79.30803	13.55689	7.31032	0
25/05/2023 12:50	5.443558	71.37485	13.1062	7.4701	0
25/05/2023 13:00	5.788416	83.18889	10.61535	7.39021	0
25/05/2023 13:10	5.110683	81.56067	11.33595	6.43153	0
25/05/2023 13:20	4.837725	70.51682	12.00973	6.99076	0
25/05/2023 13:30	5.000168	66.78865	12.6908	6.75109	0
25/05/2023 13:40	4.684603	67.41824	11.25331	6.51142	0
25/05/2023 13:50	4.704575	66.34724	12.44713	6.59131	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/05/2023 14:00	4.543463	63.09142	12.64828	5.95219	0
25/05/2023 14:10	4.560772	60.83639	13.08008	6.11197	0
25/05/2023 14:20	4.602048	61.67924	13.92591	6.43153	0
25/05/2023 14:30	4.51417	65.98689	12.47705	6.6712	0
25/05/2023 14:40	4.640663	70.1804	11.42589	6.43153	0
25/05/2023 14:50	4.552784	69.36352	11.36901	6.19186	0
25/05/2023 15:00	4.190616	67.2789	11.27207	5.95219	0
25/05/2023 15:10	4.342406	67.24413	12.91706	6.03208	0
25/05/2023 15:20	4.142682	71.92012	12.9503	5.95219	0
25/05/2023 15:30	4.104068	62.33938	14.99945	5.552741	0
25/05/2023 15:40	4.476887	58.01638	10.44166	5.55274	0
25/05/2023 15:50	4.293142	58.94387	10.91495	5.55274	0
25/05/2023 16:00	4.221241	61.64627	10.01585	5.712521	0
25/05/2023 16:10	4.052139	64.05233	11.59048	5.31307	0
25/05/2023 16:20	3.744564	65.443	10.6669	4.99351	0
25/05/2023 16:30	3.138731	42.69847	13.82546	4.2745	0
25/05/2023 16:40	3.225278	33.71703	12.49175	4.43428	0
25/05/2023 16:50	2.972293	35.19779	13.99636	4.2745	0
25/05/2023 17:00	3.101449	37.82343	13.52928	4.2745	0
25/05/2023 17:10	2.671374	33.8653	16.18039	3.63538	0
25/05/2023 17:20	2.484964	33.42912	14.84764	3.71527	0
25/05/2023 17:30	2.086845	32.18806	14.37748	2.99626	0
25/05/2023 17:40	2.234642	33.487	16.32174	3.23593	0
25/05/2023 17:50	1.8778	35.5304	13.80766	2.91637	0
25/05/2023 18:00	1.249332	57.16025	16.89806	1.71802	0
25/05/2023 18:10	0.9161146	92.93143	11.42389	1.23868	0
25/05/2023 18:20	1.458377	60.74782	7.102803	1.71802	0
25/05/2023 18:30	1.449058	52.71304	4.898843	1.71802	0
25/05/2023 18:40	0.9008087	30.60135	15.28703	1.15879	0
25/05/2023 18:50	0.3154539	179.5068	15.93839	0.67945	0
25/05/2023 19:00	0.5874866	305.3677	10.71286	0.99901	0
25/05/2023 19:10					0
25/05/2023 19:20	0.258465	304.5283	3.503197	0.9191201	0
25/05/2023 19:30	0.510538	282.2553	8.934622	0.99901	0
25/05/2023 19:40	0.021989	237.7723	0.1379836	0.43978	0
25/05/2023 19:50	0.1885163	314.3494	4.620986	0.8392301	0
25/05/2023 20:00	0.1678717	83.62009	5.707901	0.9191201	0
25/05/2023 20:10	0.133912	272.7215	7.394231	0.75934	0
25/05/2023 20:20					0
25/05/2023 20:30	0.06928933	268.7023	1.811072	0.59956	0
25/05/2023 20:40	0.1802233	284.6586	7.686675	0.59956	0
25/05/2023 20:50	0.2764724	230.9169	10.19971	0.75934	0
25/05/2023 21:00	0.03198167	198.2017	2.788047	0.59956	0
25/05/2023 21:10					0
25/05/2023 21:20	0.8830925	298.1951	3.523181	1.23868	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/05/2023 21:30	0.7143087	278.2593	38.81125	1.31857	0
25/05/2023 21:40	0.7392777	295.1818	39.10905	1.39846	0
25/05/2023 21:50					0
25/05/2023 22:00					0
25/05/2023 22:10	0.3263586	200.5162	21.01392	1.23868	0
25/05/2023 22:20	0.09591934	224.8922	3.239153	0.9191201	0
25/05/2023 22:30	0.291791	253.4524	11.32062	0.67945	0
25/05/2023 22:40	0.2184687	279.9334	6.630215	1.0789	0
25/05/2023 22:50	0.2800858	311.6511	5.506966	0.83923	0
25/05/2023 23:00	0.1565603	282.3008	4.530105	0.75934	0
25/05/2023 23:10					0
25/05/2023 23:20	0.2021867	172.3439	19.30725	0.9191201	0
25/05/2023 23:30	0.7916	129.8142	16.24256	1.15879	0
25/05/2023 23:40	0.3440491	109.2601	9.085186	0.99901	0
25/05/2023 23:50	0.2691298	104.5927	8.252192	0.8392301	0
26/05/2023 00:00	0.5325526	79.11017	7.163436	0.8392301	0
26/05/2023 00:10	0.501573	82.21859	10.4302	1.15879	0
26/05/2023 00:20	0.3653532	66.662	11.57881	1.23868	0
26/05/2023 00:30	0.3193843	311.9393	17.09407	1.0789	0
26/05/2023 00:40	0.3923769	318.4279	6.594119	0.9191201	0
26/05/2023 00:50	0.4296333	289.9539	9.04574	0.9191201	0
26/05/2023 01:00	0.416344	274.2048	10.32455	0.9191201	0
26/05/2023 01:10	0.6710926	286.0538	9.56482	1.15879	0
26/05/2023 01:20	0.5255527	296.1998	3.879098	0.91912	0
26/05/2023 01:30	0.6644095	282.4461	5.783487	1.15879	0
26/05/2023 01:40					0
26/05/2023 01:50	0.4103586	279.2961	6.467837	0.8392301	0
26/05/2023 02:00	0.564864	194.6251	24.18322	1.23868	0
26/05/2023 02:10	1.394465	63.07284	9.260968	1.8778	0
26/05/2023 02:20	1.382482	78.88905	18.85426	2.03758	0
26/05/2023 02:30	2.204017	74.31548	10.25615	2.83648	0
26/05/2023 02:40	2.193366	73.88657	9.470219	2.75659	0
26/05/2023 02:50	2.137443	73.3045	7.347915	2.59681	0
26/05/2023 03:00	2.089508	72.62777	7.614377	2.6767	0
26/05/2023 03:10	2.118802	73.7058	9.969028	2.6767	0
26/05/2023 03:20	2.077525	80.88077	9.132833	2.6767	0
26/05/2023 03:30	1.780601	83.33386	8.43762	2.43703	0
26/05/2023 03:40	2.333173	73.81107	7.010047	2.91637	0
26/05/2023 03:50	1.600848	89.24778	17.51732	2.59681	0
26/05/2023 04:00	1.077569	122.313	14.81739	1.39846	0
26/05/2023 04:10	0.8951529	98.76674	16.35608	1.47835	0
26/05/2023 04:20	1.333216	86.92419	12.84612	1.79791	0
26/05/2023 04:30	1.398461	89.33691	11.56297	2.03758	0
26/05/2023 04:40	1.707368	88.2244	12.96794	2.83648	0
26/05/2023 04:50	1.676744	93.71854	13.81302	2.35714	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/05/2023 05:00	1.821877	97.99465	15.31353	2.75659	0
26/05/2023 05:10	1.936386	98.14391	13.85633	2.6767	0
26/05/2023 05:20	1.98432	109.3168	10.02847	3.07615	0
26/05/2023 05:30	2.218664	105.7681	12.52885	3.15604	0
26/05/2023 05:40	1.981657	107.7279	12.04153	2.91637	0
26/05/2023 05:50	2.781889	107.638	14.92533	4.514171	0
26/05/2023 06:00	3.603425	96.05142	14.26756	5.8723	0
26/05/2023 06:10	4.13203	102.384	14.21474	7.31032	0
26/05/2023 06:20	3.873719	113.4801	15.7957	6.19186	0
26/05/2023 06:30	4.072113	118.0607	14.25632	6.51142	0
26/05/2023 06:40	4.029504	115.8891	13.95972	6.91087	0
26/05/2023 06:50	4.155997	105.6287	16.38849	6.75109	0
26/05/2023 07:00	4.426291	103.4643	13.33521	6.03208	0
26/05/2023 07:10	4.325097	105.3976	14.88235	6.99076	0
26/05/2023 07:20	4.381021	111.2213	16.58718	6.51142	0
26/05/2023 07:30	4.688597	101.5891	14.14145	7.31032	0
26/05/2023 07:40	4.564767	101.9226	13.68048	6.6712	0
26/05/2023 07:50	4.484878	99.45393	12.89321	6.35164	0
26/05/2023 08:00	5.050766	102.7032	12.52514	7.31032	0
26/05/2023 08:10	4.45159	109.3121	12.56989	7.23043	0
26/05/2023 08:20	4.558111	102.2425	13.05083	7.62988	0
26/05/2023 08:30	5.123998	104.3298	14.8661	7.54999	0
26/05/2023 08:40	5.36633	102.9128	11.99714	7.549991	0
26/05/2023 08:50	5.225192	103.3943	14.2365	8.42878	0
26/05/2023 09:00	5.691217	104.3592	13.42954	8.18911	0
26/05/2023 09:10	5.528772	104.6305	11.31954	7.86955	0
26/05/2023 09:20	5.740483	103.4527	12.36897	9.22768	0
26/05/2023 09:30	6.045396	103.5067	13.72721	8.18911	0
26/05/2023 09:40	6.893561	99.99454	10.87434	8.988009	0
26/05/2023 09:50	5.823035	103.94	13.58475	8.42878	0
26/05/2023 10:00	5.944202	104.0031	12.96719	8.82823	0
26/05/2023 10:10	6.000125	102.4288	12.47466	8.668449	0
26/05/2023 10:20	5.764449	107.4435	12.35077	7.94944	0
26/05/2023 10:30	6.175883	103.9077	12.30183	8.668449	0
26/05/2023 10:40	5.837682	105.0065	12.91238	7.78966	0
26/05/2023 10:50	5.712521	102.0154	12.0463	7.86955	0
26/05/2023 11:00	6.733781	94.05472	11.95082	9.38746	0
26/05/2023 11:10	6.20917	84.86726	11.92342	8.668449	0
26/05/2023 11:20	5.788417	93.16449	11.06968	8.269001	0
26/05/2023 11:30	6.165232	92.61437	11.23989	9.30757	0
26/05/2023 11:40	6.651228	88.82283	10.71488	9.46735	0
26/05/2023 11:50	6.020098	86.867	11.33656	8.508669	0
26/05/2023 12:00	5.499481	90.2103	12.76696	7.4701	0
26/05/2023 12:10	5.804394	81.96019	12.70505	8.82823	0
26/05/2023 12:20	5.64062	82.55222	13.06057	8.42878	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/05/2023 12:30	5.612658	83.74471	12.33615	7.629881	0
26/05/2023 12:40	5.717847	84.55919	13.52238	7.78966	0
26/05/2023 12:50	5.410271	85.29073	12.21986	7.4701	0
26/05/2023 13:00	5.090709	85.68626	12.03051	7.07065	0
26/05/2023 13:10	5.424916	77.94396	11.43044	7.23043	0
26/05/2023 13:20	5.476845	82.2834	12.01711	7.70977	0
26/05/2023 13:30	5.548746	86.07107	13.77009	7.709769	0
26/05/2023 13:40	5.419592	88.94247	13.6663	7.23043	0
26/05/2023 13:50	5.594017	81.77838	13.39659	7.70977	0
26/05/2023 14:00	4.940251	87.31062	14.19579	6.6712	0
26/05/2023 14:10	4.916282	84.50659	15.44107	6.99076	0
26/05/2023 14:20	4.688597	85.27329	14.13594	7.15054	0
26/05/2023 14:30	5.110682	81.2508	12.48827	7.23043	0
26/05/2023 14:40	5.142637	81.09528	11.6703	6.91087	0
26/05/2023 14:50	5.133318	81.03268	13.03786	6.6712	0
26/05/2023 15:00	5.096035	82.95134	13.57535	6.99076	0
26/05/2023 15:10	5.0734	74.81531	12.00893	7.07065	0
26/05/2023 15:20	5.199893	76.53651	12.11839	6.83098	0
26/05/2023 15:30	4.997504	77.5206	11.72262	7.390211	0
26/05/2023 15:40	5.108019	72.75252	12.51987	7.86955	0
26/05/2023 15:50	5.436901	67.72926	12.00233	7.23043	0
26/05/2023 16:00	5.185247	70.97409	11.97837	6.99076	0
26/05/2023 16:10	4.333086	68.43695	13.00854	6.59131	0
26/05/2023 16:20	5.013483	68.15819	13.43921	7.23043	0
26/05/2023 16:30	4.728541	68.72902	12.48565	7.23043	0
26/05/2023 16:40	4.326429	71.55721	12.08693	6.51142	0
26/05/2023 16:50	3.773856	67.72556	10.24638	5.79241	0
26/05/2023 17:00	3.656684	65.67427	9.947515	5.47285	0
26/05/2023 17:10	3.427667	64.63007	9.885509	4.59406	0
26/05/2023 17:20	3.427666	65.8383	8.472013	4.75384	0
26/05/2023 17:30	3.18267	63.77203	10.66385	4.35439	0
26/05/2023 17:40	2.603467	63.49649	11.71265	3.55549	0
26/05/2023 17:50	2.315864	62.20018	9.298805	2.99626	0
26/05/2023 18:00	2.506268	62.24163	9.966908	3.55549	0
26/05/2023 18:10	2.265266	64.69841	10.12837	3.15604	0
26/05/2023 18:20	2.1441	64.39993	9.06653	2.91637	0
26/05/2023 18:30	1.998966	65.72047	10.19218	2.83648	0
26/05/2023 18:40	1.800573	71.67686	8.646246	2.35714	0
26/05/2023 18:50	1.278625	87.39047	10.72612	1.63813	0
26/05/2023 19:00	1.434411	96.15253	12.01986	1.8778	0
26/05/2023 19:10	1.809893	93.36816	8.52208	2.59681	0
26/05/2023 19:20	1.852502	83.74622	16.96148	2.43703	0
26/05/2023 19:30	1.765954	90.30662	9.023748	2.19736	0
26/05/2023 19:40	1.074905	83.39162	9.544635	1.55824	0
26/05/2023 19:50	0.4173587	83.65652	8.139904	0.8392301	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/05/2023 20:00	0.3417031	60.39128	5.08309	0.99901	0
26/05/2023 20:10					0
26/05/2023 20:20					0
26/05/2023 20:30					0
26/05/2023 20:40					0
26/05/2023 20:50					0
26/05/2023 21:00					0
26/05/2023 21:10					0
26/05/2023 21:20					0
26/05/2023 21:30					0
26/05/2023 21:40	0.007329667	51.0198	0	0.43978	0
26/05/2023 21:50	1.278929	48.95427	6.503841	1.79791	0
26/05/2023 22:00	1.659434	59.36249	5.364553	1.95769	0
26/05/2023 22:10	1.548919	57.6667	5.001042	1.79791	0
26/05/2023 22:20	1.506311	60.58405	4.833382	1.79791	0
26/05/2023 22:30	1.714025	64.12819	5.536264	2.19736	0
26/05/2023 22:40	1.947038	69.41935	8.986772	2.35714	0
26/05/2023 22:50	2.178719	72.25107	9.644049	2.6767	0
26/05/2023 23:00	2.391759	75.9403	9.924635	3.55549	0
26/05/2023 23:10	2.318527	80.77135	10.31887	3.07615	0
26/05/2023 23:20	2.409069	77.74956	12.39956	3.39571	0
26/05/2023 23:30	2.538224	81.53589	11.9961	3.63538	0
26/05/2023 23:40	2.552871	82.2652	11.05552	3.79516	0
26/05/2023 23:50	2.085514	88.84985	11.80634	2.83648	0
27/05/2023 00:00	2.339831	83.97672	12.93896	3.31582	0
27/05/2023 00:10	2.881751	80.91714	11.02963	3.95494	0
27/05/2023 00:20	3.045526	80.8793	11.38104	4.51417	0
27/05/2023 00:30	2.680695	87.40204	12.56515	3.79516	0
27/05/2023 00:40	2.675369	92.66524	13.32075	3.55549	0
27/05/2023 00:50	2.945663	94.737	13.86777	4.75384	0
27/05/2023 01:00	3.009575	93.18791	14.98357	4.43428	0
27/05/2023 01:10	3.172019	97.14441	14.18518	4.75384	0
27/05/2023 01:20	3.431661	95.62019	13.64442	4.91362	0
27/05/2023 01:30	3.046857	94.43008	15.66682	5.0734	0
27/05/2023 01:40	3.363754	96.56139	14.7625	5.0734	0
27/05/2023 01:50	4.072112	98.46664	13.36688	6.03208	0
27/05/2023 02:00	4.162654	96.64111	12.97638	5.79241	0
27/05/2023 02:10	4.269174	97.83082	10.06518	5.63263	0
27/05/2023 02:20	4.591396	99.64644	11.64237	6.43153	0
27/05/2023 02:30	4.448927	100.3645	11.25869	5.95219	0
27/05/2023 02:40	4.618027	101.4402	10.60252	6.75109	0
27/05/2023 02:50	4.579414	101.6899	11.75756	6.43153	0
27/05/2023 03:00	4.816421	99.99652	11.29278	5.95219	0
27/05/2023 03:10	4.737863	100.0404	10.82079	6.43153	0
27/05/2023 03:20	5.024135	102.9688	10.74718	7.15054	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/05/2023 03:30	5.086715	101.4817	11.85462	7.54999	0
27/05/2023 03:40	5.093373	100.7761	12.59804	7.39021	0
27/05/2023 03:50	5.151959	102.1796	10.98512	7.39021	0
27/05/2023 04:00	5.354347	101.0218	11.76072	6.83098	0
27/05/2023 04:10	4.652646	98.73586	12.57866	6.6712	0
27/05/2023 04:20	4.680608	98.94112	12.99265	6.6712	0
27/05/2023 04:30	4.377026	100.6066	11.52033	6.03208	0
27/05/2023 04:40	4.112057	97.52272	12.97287	5.872301	0
27/05/2023 04:50	3.905675	100.5307	10.49503	5.23318	0
27/05/2023 05:00	3.595436	111.3309	15.21023	5.47285	0
27/05/2023 05:10	3.078814	114.5146	13.41376	4.59406	0
27/05/2023 05:20	3.479595	108.0103	13.85543	5.15329	0
27/05/2023 05:30	3.294516	108.6151	12.7901	4.83373	0
27/05/2023 05:40	3.491578	97.80952	13.56895	5.392961	0
27/05/2023 05:50	3.447639	92.95174	11.39418	5.0734	0
27/05/2023 06:00	3.150714	94.87264	13.27139	4.19461	0
27/05/2023 06:10	3.185333	90.58201	12.39365	4.91362	0
27/05/2023 06:20	3.791166	96.33075	11.47933	5.0734	0
27/05/2023 06:30	3.56481	96.48357	12.04926	4.99351	0
27/05/2023 06:40	3.540844	94.67036	12.58801	4.99351	0
27/05/2023 06:50	3.544838	102.522	11.97201	5.15329	0
27/05/2023 07:00	2.927022	99.92056	13.73345	4.51417	0
27/05/2023 07:10	3.03221	100.0031	11.1663	4.2745	0
27/05/2023 07:20	3.235931	96.94261	12.85774	5.0734	0
27/05/2023 07:30	3.12941	98.31609	11.90599	4.59406	0
27/05/2023 07:40	3.808475	99.91911	11.32532	5.23318	0
27/05/2023 07:50	3.809808	101.2302	11.82638	5.8723	0
27/05/2023 08:00	3.62606	101.9765	14.1046	5.0734	0
27/05/2023 08:10	4.402324	102.9607	11.49382	6.11197	0
27/05/2023 08:20	4.214583	101.4071	10.59729	5.8723	0
27/05/2023 08:30	4.61137	99.17988	12.68608	6.51142	0
27/05/2023 08:40	5.02946	101.5377	11.17628	7.15054	0
27/05/2023 08:50	5.073402	105.1843	11.26089	6.99076	0
27/05/2023 09:00	4.828403	103.7194	11.65353	6.83098	0
27/05/2023 09:10	4.881663	102.7509	12.19931	7.07065	0
27/05/2023 09:20	4.799112	107.3889	12.64272	6.75109	0
27/05/2023 09:30	5.040113	105.0511	13.85147	6.83098	0
27/05/2023 09:40	4.764493	94.90625	12.73828	6.43153	0
27/05/2023 09:50	5.266468	94.29148	14.24681	6.6712	0
27/05/2023 10:00	4.635337	97.93042	13.96544	7.15054	0
27/05/2023 10:10	5.050765	86.52402	12.39989	7.709771	0
27/05/2023 10:20	4.797781	93.63461	12.5324	6.19186	0
27/05/2023 10:30	4.889652	92.56644	15.17689	7.390211	0
27/05/2023 10:40	4.496861	86.75128	12.26093	6.59131	0
27/05/2023 10:50	4.804437	95.28387	12.27373	6.6712	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/05/2023 11:00	5.052097	88.02702	14.5278	6.99076	0
27/05/2023 11:10	5.056091	82.41875	13.64039	7.94944	0
27/05/2023 11:20	4.651315	86.57703	12.05684	6.51142	0
27/05/2023 11:30	4.592729	91.49428	14.63271	6.11197	0
27/05/2023 11:40	4.423628	79.07901	13.66615	5.8723	0
27/05/2023 11:50	4.897642	77.34047	14.61668	6.75109	0
27/05/2023 12:00	4.207925	81.02704	14.10423	6.591311	0
27/05/2023 12:10	4.962887	76.66963	15.08241	6.59131	0
27/05/2023 12:20	4.934924	76.25694	12.23337	6.35164	0
27/05/2023 12:30	5.821704	79.35548	11.78174	7.39021	0
27/05/2023 12:40	5.142639	84.0336	12.51558	7.07065	0
27/05/2023 12:50	5.225191	72.24975	13.03766	7.15054	0
27/05/2023 13:00	5.123999	81.15396	12.65238	7.39021	0
27/05/2023 13:10	5.151959	81.821	13.36922	7.31032	0
27/05/2023 13:20	5.159948	75.90787	11.71634	7.07065	0
27/05/2023 13:30	5.009488	77.82764	12.42393	6.99076	0
27/05/2023 13:40	5.203887	80.05141	13.67766	6.91087	0
27/05/2023 13:50	4.506182	82.91816	11.96949	6.03208	0
27/05/2023 14:00	4.592729	77.16293	13.31506	6.11197	0
27/05/2023 14:10	4.238549	88.54561	11.05994	5.79241	0
27/05/2023 14:20	4.494198	84.35181	13.04126	6.19186	0
27/05/2023 14:30	4.029505	75.16991	11.81519	5.31307	0
27/05/2023 14:40	4.092084	72.99868	11.73233	5.792411	0
27/05/2023 14:50	3.888365	79.54741	16.54683	5.8723	0
27/05/2023 15:00	4.404987	77.16634	11.52322	6.19186	0
27/05/2023 15:10	4.077439	76.05388	14.86337	5.31307	0
27/05/2023 15:20	3.914995	76.96705	14.33967	5.55274	0
27/05/2023 15:30	4.0082	77.9883	14.70008	5.552741	0
27/05/2023 15:40	3.77785	82.10573	11.89407	4.99351	0
27/05/2023 15:50	3.543507	87.13992	12.66551	5.153291	0
27/05/2023 16:00	3.480927	82.01067	11.94575	4.75384	0
27/05/2023 16:10	3.748558	80.39516	11.32557	5.0734	0
27/05/2023 16:20	3.222615	70.22784	11.48262	4.51417	0
27/05/2023 16:30	3.239925	68.12848	12.98931	4.35439	0
27/05/2023 16:40	2.897729	66.12759	10.53927	3.71527	0
27/05/2023 16:50	2.96963	55.76984	11.05715	3.87505	0
27/05/2023 17:00	3.024222	59.96644	10.87234	4.03483	0
27/05/2023 17:10	2.785883	71.84635	11.37156	4.35439	0
27/05/2023 17:20	2.82716	61.09538	11.26091	3.71527	0
27/05/2023 17:30	3.239925	58.16089	10.3477	4.11472	0
27/05/2023 17:40	3.122753	57.72528	11.04803	4.2745	0
27/05/2023 17:50	2.876425	54.65704	11.63443	3.71527	0
27/05/2023 18:00	2.173393	53.69569	10.97447	2.91637	0
27/05/2023 18:10	1.93106	49.35467	9.784563	2.6767	0
27/05/2023 18:20	1.837855	45.19795	8.280565	2.27725	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/05/2023 18:30	1.816551	44.89981	7.29465	2.19736	0
27/05/2023 18:40	1.724678	40.99287	6.206306	2.03758	0
27/05/2023 18:50	1.662097	31.91683	8.107182	2.11747	0
27/05/2023 19:00	1.690058	44.18316	6.084191	1.95769	0
27/05/2023 19:10	1.568892	41.6033	7.317636	1.95769	0
27/05/2023 19:20	0.8411053	26.24257	7.751169	1.31857	0
27/05/2023 19:30	0.2204723	201.5426	6.807307	0.9191201	0
27/05/2023 19:40	0.3717068	232.9923	9.471094	0.75934	0
27/05/2023 19:50	0.4689575	308.2881	6.640339	0.8392301	0
27/05/2023 20:00	0.09860802	310.5416	0.04639372	0.59956	0
27/05/2023 20:10	0.2884687	296.8151	5.574525	0.9191201	0
27/05/2023 20:20	0.6781185	294.0067	4.911219	0.9191201	0
27/05/2023 20:30	0.7486877	295.0945	4.009425	0.99901	0
27/05/2023 20:40	0.7580084	293.4053	4.385268	0.99901	0
27/05/2023 20:50	0.7620028	299.959	4.425407	1.0789	0
27/05/2023 21:00	0.7726551	298.2367	3.807542	1.0789	0
27/05/2023 21:10	0.6151441	295.8839	2.667941	0.99901	0
27/05/2023 21:20	0.783307	296.8967	7.018182	0.99901	0
27/05/2023 21:30	0.4982634	285.3925	7.986477	0.91912	0
27/05/2023 21:40	0.6294481	315.0164	7.027907	0.99901	0
27/05/2023 21:50	0.8525451	310.0944	6.314909	1.0789	0
27/05/2023 22:00	0.5612248	295.5032	8.033172	0.8392301	0
27/05/2023 22:10	0.3467506	302.9264	6.278536	0.67945	0
27/05/2023 22:20	0.8458874	289.6564	6.16836	1.15879	0
27/05/2023 22:30	0.844556	284.2011	11.0348	0.99901	0
27/05/2023 22:40	1.124171	223.8846	18.582	1.63813	0
27/05/2023 22:50	0.8521767	232.7014	14.60489	1.39846	0
27/05/2023 23:00	0.8245834	304.8171	10.57573	1.15879	0
27/05/2023 23:10	0.4865838	295.981	8.980738	0.91912	0
27/05/2023 23:20	0.1712196	242.2539	4.447316	0.75934	0
27/05/2023 23:30	0.6853713	286.4357	12.51271	1.15879	0
27/05/2023 23:40	0.9830319	302.3569	9.093989	1.31857	0
27/05/2023 23:50	0.831241	304.2275	8.702325	1.15879	0
28/05/2023 00:00	0.7653252	303.7803	11.64595	0.99901	0
28/05/2023 00:10	0.6691148	309.6797	10.3604	1.0789	0
28/05/2023 00:20	0.8981457	304.495	7.762132	1.15879	0
28/05/2023 00:30	0.4616407	283.4605	8.629434	0.91912	0
28/05/2023 00:40	0.383399	295.8542	4.792951	0.67945	0
28/05/2023 00:50	0.1205713	113.5009	3.127605	0.9191201	0
28/05/2023 01:00	1.588865	130.8792	19.77909	2.6767	0
28/05/2023 01:10	0.8405616	126.956	54.32249	1.55824	0
28/05/2023 01:20	0.6640159	49.34809	16.621	1.23868	0
28/05/2023 01:30	0.766948	102.8989	21.22762	1.31857	0
28/05/2023 01:40	0.5052376	119.5888	23.17817	0.91912	0
28/05/2023 01:50	1.032285	91.08769	14.27916	1.39846	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/05/2023 02:00	0.847219	127.1784	20.65789	1.31857	0
28/05/2023 02:10	0.7140304	65.05862	24.00131	1.15879	0
28/05/2023 02:20	2.33051	92.17999	12.15171	3.87505	0
28/05/2023 02:30	2.626103	88.5261	11.84126	3.79516	0
28/05/2023 02:40	2.538224	88.27614	14.22503	3.71527	0
28/05/2023 02:50	2.338499	83.49187	11.14095	3.23593	0
28/05/2023 03:00	2.106818	82.69275	13.56487	3.39571	0
28/05/2023 03:10	2.674037	90.99657	17.79422	4.19461	0
28/05/2023 03:20	3.407693	92.65142	12.97677	4.75384	0
28/05/2023 03:30	3.417015	94.08184	14.77774	4.83373	0
28/05/2023 03:40	3.2093	95.94231	11.78211	5.153291	0
28/05/2023 03:50	3.503561	92.10076	11.31493	5.15329	0
28/05/2023 04:00	3.548832	93.23917	13.04354	4.99351	0
28/05/2023 04:10	3.930974	90.37468	10.28371	5.15329	0
28/05/2023 04:20	4.306457	90.33525	11.79531	5.792411	0
28/05/2023 04:30	4.255859	99.11011	13.75066	6.59131	0
28/05/2023 04:40	4.644657	100.1134	11.95664	7.31032	0
28/05/2023 04:50	4.568762	96.83965	11.99344	6.51142	0
28/05/2023 05:00	4.491534	95.35414	11.28799	6.671201	0
28/05/2023 05:10	4.225235	95.09279	12.25129	5.95219	0
28/05/2023 05:20	3.941625	97.31795	11.54284	5.63263	0
28/05/2023 05:30	4.04282	96.66174	9.966755	5.55274	0
28/05/2023 05:40	4.338413	97.21177	12.46839	6.35164	0
28/05/2023 05:50	5.193235	96.10323	11.5445	7.94944	0
28/05/2023 06:00	4.314445	90.26538	12.53321	6.43153	0
28/05/2023 06:10	5.126661	94.50816	12.13221	6.83098	0
28/05/2023 06:20	4.908295	93.32558	11.66447	6.91087	0
28/05/2023 06:30	4.612701	91.51331	10.67887	6.43153	0
28/05/2023 06:40	4.153335	94.19687	10.65912	5.31307	0
28/05/2023 06:50	3.938962	95.46307	9.959298	5.153291	0
28/05/2023 07:00	4.736531	91.70839	10.46503	6.99076	0
28/05/2023 07:10	5.580702	93.66452	10.61747	8.268999	0
28/05/2023 07:20	5.24117	93.91533	11.53209	7.70977	0
28/05/2023 07:30	5.769776	96.34615	12.61138	7.869551	0
28/05/2023 07:40	5.552741	94.34192	12.03896	7.94944	0
28/05/2023 07:50	6.145259	100.45	11.84455	9.22768	0
28/05/2023 08:00	5.747139	98.72957	12.92245	7.869551	0
28/05/2023 08:10	5.372987	103.0788	11.12298	8.42878	0
28/05/2023 08:20	5.524778	99.7674	12.46657	8.10922	0
28/05/2023 08:30	5.149295	101.7211	11.32709	6.91087	0
28/05/2023 08:40	5.270463	104.3994	10.56393	7.4701	0
28/05/2023 08:50	5.657928	100.3906	13.53473	8.18911	0
28/05/2023 09:00	6.230474	96.13154	12.34143	9.70702	0
28/05/2023 09:10	7.040028	89.452	11.34111	9.94669	0
28/05/2023 09:20	8.565926	86.09718	10.43103	11.38471	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/05/2023 09:30	8.786955	88.14828	10.64322	11.14504	0
28/05/2023 09:40	8.420791	85.25674	10.27187	11.54449	0
28/05/2023 09:50	7.3982	88.63074	12.01313	9.78691	0
28/05/2023 10:00	7.270376	83.84632	10.59109	9.78691	0
28/05/2023 10:10	7.1319	86.06108	12.18249	9.94669	0
28/05/2023 10:20	6.769732	88.71472	12.28684	9.70702	0
28/05/2023 10:30	7.241082	85.22505	11.53861	10.10647	0
28/05/2023 10:40	7.77901	86.71124	14.35487	10.34614	0
28/05/2023 10:50	7.222442	80.19522	11.98464	9.94669	0
28/05/2023 11:00	7.183828	80.62981	10.88675	9.46735	0
28/05/2023 11:10	6.974784	78.99638	11.60406	9.147789	0
28/05/2023 11:20	7.346272	81.41281	12.01153	10.74559	0
28/05/2023 11:30	7.27304	84.72371	12.25648	9.62713	0
28/05/2023 11:40	6.841633	80.96341	10.85695	9.627131	0
28/05/2023 11:50	6.628593	77.37169	12.46132	9.8668	0
28/05/2023 12:00	6.491448	85.24531	12.71449	9.70702	0
28/05/2023 12:10	6.072026	79.03329	12.64248	8.269001	0
28/05/2023 12:20	6.54471	75.0089	10.09048	8.74834	0
28/05/2023 12:30	7.229099	78.51189	11.74879	10.58581	0
28/05/2023 12:40	7.029375	77.47051	12.64022	9.30757	0
28/05/2023 12:50	7.141222	80.34602	11.33395	9.786909	0
28/05/2023 13:00	6.511421	82.54768	11.57267	9.387461	0
28/05/2023 13:10	7.146546	75.00497	10.58433	10.02658	0
28/05/2023 13:20	6.94549	80.93677	12.00248	9.14779	0
28/05/2023 13:30	6.305039	68.59587	10.86646	8.98801	0
28/05/2023 13:40	5.997462	67.08041	13.32662	8.18911	0
28/05/2023 13:50	7.109264	74.4209	9.496542	9.547239	0
28/05/2023 14:00	6.442183	72.36069	10.12755	9.46735	0
28/05/2023 14:10	6.166563	61.64888	11.95613	8.58856	0
28/05/2023 14:20	6.025424	66.19415	11.96518	8.74834	0
28/05/2023 14:30	5.973495	63.01852	12.63089	8.34889	0
28/05/2023 14:40	5.696543	61.89317	12.14943	7.94944	0
28/05/2023 14:50	5.395624	66.65571	11.60774	7.4701	0
28/05/2023 15:00	5.458204	64.0304	11.52539	7.54999	0
28/05/2023 15:10	5.053428	60.93624	10.87843	7.15054	0
28/05/2023 15:20	5.255816	64.22115	13.09764	7.15054	0
28/05/2023 15:30	5.384971	66.58974	10.11534	7.39021	0
28/05/2023 15:40	5.391628	66.60926	9.985388	7.39021	0
28/05/2023 15:50	5.19723	64.73225	11.81228	6.75109	0
28/05/2023 16:00	5.082719	64.0804	11.69069	7.4701	0
28/05/2023 16:10	5.145302	68.30121	10.69587	6.99076	0
28/05/2023 16:20	4.402325	56.16099	10.98216	5.8723	0
28/05/2023 16:30	4.512838	52.38211	11.41378	6.27175	0
28/05/2023 16:40	4.490202	51.81455	11.2058	6.032081	0
28/05/2023 16:50	4.286484	59.82754	11.78786	5.47285	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/05/2023 17:00	3.684646	58.15285	10.43517	4.99351	0
28/05/2023 17:10	3.114763	54.46928	13.43742	4.2745	0
28/05/2023 17:20	2.675369	44.21868	13.9713	3.55549	0
28/05/2023 17:30	2.531566	50.65276	14.05978	3.71527	0
28/05/2023 17:40	2.913707	52.29655	13.03073	4.03483	0
28/05/2023 17:50	2.627435	53.57523	14.16499	4.03483	0
28/05/2023 18:00	2.086845	59.13486	11.31122	2.59681	0
28/05/2023 18:10	2.212007	60.96429	10.71233	3.15604	0
28/05/2023 18:20	2.247957	61.15103	13.28724	2.99626	0
28/05/2023 18:30	2.041574	58.01534	10.73522	2.6767	0
28/05/2023 18:40	1.751307	60.52633	10.59914	2.35714	0
28/05/2023 18:50	1.245338	67.59037	10.27808	1.63813	0
28/05/2023 19:00	1.544925	58.82116	8.010759	1.95769	0
28/05/2023 19:10	1.516963	53.44176	5.908513	1.79791	0
28/05/2023 19:20	1.800573	46.56668	6.807031	2.35714	0
28/05/2023 19:30	1.450388	52.53408	6.916886	1.79791	0
28/05/2023 19:40	1.12284	60.64371	6.811024	1.39846	0
28/05/2023 19:50	1.168111	50.76552	7.095729	1.47835	0
28/05/2023 20:00	0.7702704	58.35474	6.580762	1.15879	0
28/05/2023 20:10					0
28/05/2023 20:20	0.6876532	44.41555	9.266889	1.31857	0
28/05/2023 20:30	1.234685	35.26975	7.894179	1.55824	0
28/05/2023 20:40	1.106862	49.34978	5.544967	1.23868	0
28/05/2023 20:50	0.706003	38.11818	8.980278	1.23868	0
28/05/2023 21:00	0.154531	51.7971	7.960005	0.91912	0
28/05/2023 21:10	0.1898607	15.74406	3.254103	0.75934	0
28/05/2023 21:20	0.4070106	336.3012	16.65887	0.8392301	0
28/05/2023 21:30	0.4373182	342.9269	16.65482	0.8392301	0
28/05/2023 21:40	0.5634684	37.62989	6.249406	1.15879	0
28/05/2023 21:50	0.02931867	22.97529	0.08164501	0.43978	0
28/05/2023 22:00					0
28/05/2023 22:10					0
28/05/2023 22:20	0.4915417	308.694	7.359571	1.23868	0
28/05/2023 22:30	0.04197433	306.7666	1.025015	0.59956	0
28/05/2023 22:40					0
28/05/2023 22:50	0.05863733	43.02351	4.907499	0.43978	0
28/05/2023 23:00	0.455908	50.02649	7.86763	0.99901	0
28/05/2023 23:10	1.278625	87.50694	10.14331	1.79791	0
28/05/2023 23:20	1.446685	84.38377	10.86492	2.43703	0
28/05/2023 23:30	1.285282	108.3635	25.73223	2.19736	0
28/05/2023 23:40	1.08822	115.8141	9.230067	1.39846	0
28/05/2023 23:50	0.7619388	96.41798	9.510353	1.23868	0
29/05/2023 00:00					0
29/05/2023 00:10					0
29/05/2023 00:20					0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/05/2023 00:30					0
29/05/2023 00:40					0
29/05/2023 00:50					0
29/05/2023 01:00					0
29/05/2023 01:10					0
29/05/2023 01:20					0
29/05/2023 01:30					0
29/05/2023 01:40					0
29/05/2023 01:50					0
29/05/2023 02:00					0
29/05/2023 02:10					0
29/05/2023 02:20					0
29/05/2023 02:30					0
29/05/2023 02:40					0
29/05/2023 02:50					0
29/05/2023 03:00					0
29/05/2023 03:10	1.566204	86.07084	16.46174	2.51692	0
29/05/2023 03:20	1.496991	101.5665	14.75636	2.19736	0
29/05/2023 03:30	1.578212	94.59144	13.41401	2.35714	0
29/05/2023 03:40	1.307918	81.79382	15.68488	1.8778	0
29/05/2023 03:50	1.536936	92.8241	12.25908	2.27725	0
29/05/2023 04:00	1.575549	84.81891	12.14207	2.19736	0
29/05/2023 04:10	1.49566	82.86156	11.06821	2.27725	0
29/05/2023 04:20	1.496991	82.13183	11.30223	1.8778	0
29/05/2023 04:30	1.462372	86.08537	15.1721	2.43703	0
29/05/2023 04:40	1.418432	91.78165	13.19374	1.95769	0
29/05/2023 04:50	1.56756	87.58934	13.14427	2.11747	0
29/05/2023 05:00	1.519626	77.84509	16.52544	2.35714	0
29/05/2023 05:10	1.0789	125.3937	37.89973	1.95769	0
29/05/2023 05:20	1.149799	110.7202	20.62773	2.59681	0
29/05/2023 05:30	1.825871	99.07262	16.53918	2.99626	0
29/05/2023 05:40	2.731292	87.4192	12.91705	4.11472	0
29/05/2023 05:50	2.563522	94.38853	14.02708	3.79516	0
29/05/2023 06:00	2.311869	92.50845	15.54224	4.03483	0
29/05/2023 06:10	2.622108	89.56184	15.4013	4.35439	0
29/05/2023 06:20	3.34112	97.83771	13.67714	4.91362	0
29/05/2023 06:30	3.431661	97.51217	13.60112	5.55274	0
29/05/2023 06:40	3.46628	97.52032	14.55093	5.8723	0
29/05/2023 06:50	3.398374	90.49632	12.8233	4.91362	0
29/05/2023 07:00	4.253196	89.66698	11.55351	5.95219	0
29/05/2023 07:10	4.9043	89.91075	10.97668	7.709771	0
29/05/2023 07:20	4.385015	91.66782	13.75242	6.43153	0
29/05/2023 07:30	4.422297	92.61371	11.5161	6.59131	0
29/05/2023 07:40	4.452921	92.14744	13.01205	6.75109	0
29/05/2023 07:50	4.459579	95.82738	13.58389	6.51142	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/05/2023 08:00	4.153334	96.27068	12.5467	5.712521	0
29/05/2023 08:10	4.900305	95.56612	13.15581	6.91087	0
29/05/2023 08:20	4.708568	92.33426	13.87284	6.27175	0
29/05/2023 08:30	5.500812	96.05163	13.43099	7.949441	0
29/05/2023 08:40	4.503519	96.37612	13.73692	6.75109	0
29/05/2023 08:50	4.973537	95.03748	12.76769	7.31032	0
29/05/2023 09:00	6.446177	86.72121	13.33115	9.8668	0
29/05/2023 09:10	6.249116	89.52344	13.98673	9.22768	0
29/05/2023 09:20	7.363581	86.56407	10.60198	9.8668	0
29/05/2023 09:30	6.885572	92.46674	11.95472	9.147789	0
29/05/2023 09:40	7.126574	88.56584	13.844	10.34614	0
29/05/2023 09:50	7.657844	85.98875	10.87008	10.74559	0
29/05/2023 10:00	7.898845	83.23679	11.28704	10.50592	0
29/05/2023 10:10	7.873545	86.34871	12.0345	10.98526	0
29/05/2023 10:20	7.340946	88.89173	12.08751	10.98526	0
29/05/2023 10:30	7.697788	86.71931	11.68879	10.18636	0
29/05/2023 10:40	7.945446	83.54265	11.25956	11.38471	0
29/05/2023 10:50	7.876208	87.56174	11.44593	11.86405	0
29/05/2023 11:00	8.002702	86.59457	12.07769	11.86405	0
29/05/2023 11:10	8.545954	85.48778	12.06036	12.2635	0
29/05/2023 11:20	8.210415	85.0201	11.89933	12.58306	0
29/05/2023 11:30	8.031994	87.36223	11.5568	11.38471	0
29/05/2023 11:40	7.668494	87.60004	12.71479	11.06515	0
29/05/2023 11:50	8.241039	82.78905	10.00273	10.74559	0
29/05/2023 12:00	7.813628	85.46568	12.27783	11.06515	0
29/05/2023 12:10	8.515329	85.05387	11.16798	11.54449	0
29/05/2023 12:20	7.05201	89.45095	11.05884	10.18636	0
29/05/2023 12:30	7.269043	88.72213	11.8115	9.70702	0
29/05/2023 12:40	6.60862	88.55576	12.71767	9.94669	0
29/05/2023 12:50	6.84962	87.82542	13.5561	9.22768	0
29/05/2023 13:00	7.218448	86.58717	11.01569	9.866799	0
29/05/2023 13:10	7.249073	76.51781	12.32601	10.26625	0
29/05/2023 13:20	7.601919	78.79674	10.20881	10.34614	0
29/05/2023 13:30	7.600589	75.88306	10.32289	9.786909	0
29/05/2023 13:40	7.595263	79.25183	12.06687	9.94669	0
29/05/2023 13:50	8.396825	75.98177	10.63394	11.54449	0
29/05/2023 14:00	7.225105	73.88757	11.32014	9.94669	0
29/05/2023 14:10	7.652517	74.19451	12.13956	10.74559	0
29/05/2023 14:20	7.934793	74.59962	13.25403	10.34614	0
29/05/2023 14:30	8.320929	76.15996	12.52962	12.66295	0
29/05/2023 14:40	8.790949	69.31921	9.851315	12.42328	0
29/05/2023 14:50	8.010691	71.51038	12.86902	11.38471	0
29/05/2023 15:00	7.215784	71.18442	13.21374	10.26625	0
29/05/2023 15:10	7.173176	66.7184	10.38338	9.46735	0
29/05/2023 15:20	7.580614	66.94131	11.65952	10.6657	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/05/2023 15:30	6.621936	65.25037	11.6577	8.74834	0
29/05/2023 15:40	6.306371	62.30532	12.91888	8.34889	0
29/05/2023 15:50	7.038695	59.52455	10.94753	9.30757	0
29/05/2023 16:00	6.752423	64.17796	9.613785	9.0679	0
29/05/2023 16:10	6.28906	61.16373	11.09703	9.627131	0
29/05/2023 16:20	6.285066	63.8633	11.13815	8.02933	0
29/05/2023 16:30	6.080014	64.1765	12.0528	7.94944	0
29/05/2023 16:40	6.037406	61.2326	12.40158	8.109221	0
29/05/2023 16:50	5.431574	62.95537	11.51476	7.23043	0
29/05/2023 17:00	5.467524	67.53801	11.92411	7.709771	0
29/05/2023 17:10	4.195941	63.96461	10.72649	6.03208	0
29/05/2023 17:20	3.917659	65.31119	12.09603	5.712521	0
29/05/2023 17:30	3.817796	66.11703	9.84309	5.39296	0
29/05/2023 17:40	3.468943	62.44034	11.99623	4.59406	0
29/05/2023 17:50	2.848464	62.09316	11.60427	4.11472	0
29/05/2023 18:00	2.26793	58.93332	11.58727	3.55549	0
29/05/2023 18:10	3.062835	54.60393	11.24393	4.2745	0
29/05/2023 18:20	2.840475	61.7812	11.71383	3.95494	0
29/05/2023 18:30	2.196028	60.47732	13.83939	3.07615	0
29/05/2023 18:40	1.604842	61.28034	9.292956	2.6767	0
29/05/2023 18:50	1.998966	51.58638	7.81201	2.75659	0
29/05/2023 19:00	1.526284	56.02209	10.2492	2.11747	0
29/05/2023 19:10	1.393134	64.71365	7.820457	1.8778	0
29/05/2023 19:20	1.074906	60.33469	11.39611	1.47835	0
29/05/2023 19:30	0.4277065	213.8896	17.76736	0.75934	0
29/05/2023 19:40					0
29/05/2023 19:50	0.3583403	322.3058	2.557664	0.75934	0
29/05/2023 20:00	0.1678717	288.9175	4.123747	0.9191201	0
29/05/2023 20:10	0.7889496	284.4125	8.944597	0.99901	0
29/05/2023 20:20	0.7766494	307.5976	7.514883	0.9191201	0
29/05/2023 20:30	0.5785341	329.5186	1.823638	0.8392301	0
29/05/2023 20:40	0.4708842	308.8787	6.976816	0.83923	0
29/05/2023 20:50	0.2171757	351.7979	1.709267	0.75934	0
29/05/2023 21:00	0.8271822	26.28502	4.3051	1.23868	0
29/05/2023 21:10	0.6265069	14.90831	8.48938	0.91912	0
29/05/2023 21:20					0
29/05/2023 21:30	0.5614262	41.10448	4.369721	0.91912	0
29/05/2023 21:40	1.410444	42.42506	5.064906	1.79791	0
29/05/2023 21:50	1.088221	52.2904	7.846182	1.39846	0
29/05/2023 22:00	0.5631514	31.19402	10.86489	0.99901	0
29/05/2023 22:10	0.5065306	177.8747	17.96883	1.15879	0
29/05/2023 22:20	1.006999	35.53928	12.66459	1.31857	0
29/05/2023 22:30	0.6400874	41.92926	15.14517	1.39846	0
29/05/2023 22:40	0.09726368	264.702	13.31292	0.75934	0
29/05/2023 22:50					0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/05/2023 23:00	0.5747541	91.20193	13.07018	1.71802	0
29/05/2023 23:10	0.9080741	86.76753	19.14526	1.71802	0
29/05/2023 23:20	0.6479737	170.3703	10.21275	1.23868	0
29/05/2023 23:30	0.007329667	271.8145	0.001276945	0.43978	0
29/05/2023 23:40	0.0109945	256.1518	2.112957	0.43978	0
29/05/2023 23:50	1.357106	109.1039	6.890553	2.43703	0
30/05/2023 00:00	0.3010345	208.7336	5.820446	1.39846	0
30/05/2023 00:10					0
30/05/2023 00:20	0.08526734	94.44621	10.95496	0.9191201	0
30/05/2023 00:30					0
30/05/2023 00:40					0
30/05/2023 00:50	0.4818915	300.6451	4.44729	1.0789	0
30/05/2023 01:00	0.1242362	219.4037	6.885259	0.67945	0
30/05/2023 01:10					0
30/05/2023 01:20					0
30/05/2023 01:30					0
30/05/2023 01:40	0.13589	101.219	4.820968	0.9191201	0
30/05/2023 01:50					0
30/05/2023 02:00					0
30/05/2023 02:10					0
30/05/2023 02:20					0
30/05/2023 02:30	0.5813987	80.87358	4.78448	1.39846	0
30/05/2023 02:40	1.489002	90.48984	8.967691	2.11747	0
30/05/2023 02:50	1.978994	84.10455	9.17613	3.07615	0
30/05/2023 03:00	2.59681	88.33043	8.089646	3.31582	0
30/05/2023 03:10	1.773943	97.91197	14.49056	2.43703	0
30/05/2023 03:20	1.499654	123.5603	7.802677	1.8778	0
30/05/2023 03:30	1.775275	114.8978	4.820335	2.27725	0
30/05/2023 03:40	1.164116	108.5038	10.78182	1.71802	0
30/05/2023 03:50	1.172106	115.9793	15.66266	1.63813	0
30/05/2023 04:00	1.090884	128.5986	10.43986	1.31857	0
30/05/2023 04:10	0.3910071	88.99527	5.10109	0.91912	0
30/05/2023 04:20					0
30/05/2023 04:30	0.3470546	50.15432	8.931036	0.9191201	0
30/05/2023 04:40					0
30/05/2023 04:50					0
30/05/2023 05:00					0
30/05/2023 05:10	0.007329667	326.3408	0	0.43978	0
30/05/2023 05:20	0.007329667	36.93408	0	0.43978	0
30/05/2023 05:30					0
30/05/2023 05:40					0
30/05/2023 05:50					0
30/05/2023 06:00					0
30/05/2023 06:10					0
30/05/2023 06:20					0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/05/2023 06:30	0.6213565	49.77109	7.035715	1.47835	0
30/05/2023 06:40	1.148138	58.37054	7.782526	1.63813	0
30/05/2023 06:50	1.42509	78.01295	10.43662	2.19736	0
30/05/2023 07:00	3.100117	73.75378	7.373629	3.79516	0
30/05/2023 07:10	2.88974	73.6267	7.539053	3.79516	0
30/05/2023 07:20	2.829823	73.54531	8.082136	3.63538	0
30/05/2023 07:30	2.772568	75.99918	6.986423	3.39571	0
30/05/2023 07:40	2.326516	78.50797	8.413749	3.07615	0
30/05/2023 07:50	1.969673	84.35115	10.25549	2.51692	0
30/05/2023 08:00	1.968342	95.98206	11.72927	2.83648	0
30/05/2023 08:10	1.831198	93.5499	15.29858	2.43703	0
30/05/2023 08:20	2.164073	94.23808	14.15077	3.31582	0
30/05/2023 08:30	2.945663	87.9418	13.69495	4.59406	0
30/05/2023 08:40	3.648695	99.47945	13.96404	5.15329	0
30/05/2023 08:50	3.703288	97.98747	12.74817	5.63263	0
30/05/2023 09:00	3.530192	85.66013	13.27852	4.99351	0
30/05/2023 09:10	4.655309	84.22124	13.32809	7.23043	0
30/05/2023 09:20	5.648608	78.30309	9.52491	7.23043	0
30/05/2023 09:30	5.511465	87.0005	11.827	7.230431	0
30/05/2023 09:40	5.022803	79.34567	13.31281	6.75109	0
30/05/2023 09:50	6.177215	80.42594	11.54498	8.66845	0
30/05/2023 10:00	6.246453	85.17337	10.29748	8.908119	0
30/05/2023 10:10	6.218491	84.67412	11.42681	8.58856	0
30/05/2023 10:20	6.600632	79.14098	10.09443	8.988009	0
30/05/2023 10:30	7.098612	81.05458	9.891138	8.82823	0
30/05/2023 10:40	6.571338	85.57697	12.25377	8.34889	0
30/05/2023 10:50	7.069321	84.71201	10.1656	9.8668	0
30/05/2023 11:00	6.692505	82.40018	9.366253	9.0679	0
30/05/2023 11:10	6.186534	83.4922	11.40711	8.668449	0
30/05/2023 11:20	6.173221	86.2193	12.48723	8.109221	0
30/05/2023 11:30	5.91624	90.35648	12.43089	8.50867	0
30/05/2023 11:40	6.137269	87.03293	13.59744	8.269	0
30/05/2023 11:50	6.08401	87.16552	9.697273	8.109221	0
30/05/2023 12:00	6.084008	84.68242	12.10731	8.508671	0
30/05/2023 12:10	6.037406	88.41171	12.86765	8.10922	0
30/05/2023 12:20	5.100031	89.68014	13.60114	7.07065	0
30/05/2023 12:30	5.57937	88.10123	11.23586	7.78966	0
30/05/2023 12:40	5.757792	87.26555	11.66788	7.62988	0
30/05/2023 12:50	5.792411	78.94714	13.76468	7.94944	0
30/05/2023 13:00	6.310365	80.22638	10.97345	8.428781	0
30/05/2023 13:10	5.392961	82.1395	11.64729	7.70977	0
30/05/2023 13:20	5.669912	76.64613	13.89917	7.86955	0
30/05/2023 13:30	5.965507	76.60109	11.23154	8.109221	0
30/05/2023 13:40	6.093329	76.86945	11.76197	8.42878	0
30/05/2023 13:50	6.36895	80.86263	11.11934	8.109221	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/05/2023 14:00	6.251778	80.08151	12.7209	8.74834	0
30/05/2023 14:10	5.837681	79.3396	10.67146	8.42878	0
30/05/2023 14:20	5.807057	78.08569	11.85618	7.549991	0
30/05/2023 14:30	5.688553	77.45984	10.84772	8.029329	0
30/05/2023 14:40	6.171888	77.85892	10.8195	8.58856	0
30/05/2023 14:50	5.496818	74.68193	12.5583	7.62988	0
30/05/2023 15:00	5.920235	65.86588	12.83077	8.109221	0
30/05/2023 15:10	5.629966	63.72647	13.2492	7.4701	0
30/05/2023 15:20	5.065412	67.07211	12.70772	6.99076	0
30/05/2023 15:30	5.584697	67.6481	10.15365	7.39021	0
30/05/2023 15:40	5.290435	61.73759	12.10435	7.15054	0
30/05/2023 15:50	5.287771	65.37987	10.12408	6.99076	0
30/05/2023 16:00	4.892315	64.56132	14.18789	6.91087	0
30/05/2023 16:10	4.475557	68.60214	11.30991	6.03208	0
30/05/2023 16:20	4.097411	67.89572	11.13586	5.233181	0
30/05/2023 16:30	4.120047	71.74579	12.73558	5.392961	0
30/05/2023 16:40	3.55549	68.16447	10.57771	4.67395	0
30/05/2023 16:50	3.199979	76.67628	11.42259	4.75384	0
30/05/2023 17:00	2.953652	71.00423	11.93668	4.35439	0
30/05/2023 17:10	2.748601	57.51853	11.84004	4.11472	0
30/05/2023 17:20	2.515589	55.87436	12.48316	3.39571	0
30/05/2023 17:30	2.646075	59.68005	11.62852	4.51417	0
30/05/2023 17:40	2.389096	58.16011	11.42072	3.55549	0
30/05/2023 17:50	2.483633	62.52311	11.95481	3.4756	0
30/05/2023 18:00	2.033586	65.52374	11.24699	2.6767	0
30/05/2023 18:10	1.214713	73.21924	14.25465	1.95769	0
30/05/2023 18:20	0.5888309	84.44684	19.17634	0.99901	0
30/05/2023 18:30					0
30/05/2023 18:40	0.239139	114.4342	10.44511	0.9191201	0
30/05/2023 18:50	0.4486681	307.4169	13.69779	0.75934	0
30/05/2023 19:00	0.801948	178.4872	28.903	1.23868	0
30/05/2023 19:10	0.2684705	32.17486	10.87646	0.67945	0
30/05/2023 19:20	0.6640287	14.69646	19.43087	1.31857	0
30/05/2023 19:30	1.154796	33.79482	16.85047	1.63813	0
30/05/2023 19:40	1.0789	34.6318	11.61647	1.47835	0
30/05/2023 19:50	1.122839	35.68157	10.34966	1.47835	0
30/05/2023 20:00	0.6480764	51.8974	5.863062	1.23868	0
30/05/2023 20:10	0.1439047	25.65621	6.952236	0.75934	0
30/05/2023 20:20	0.4096608	319.7371	8.303589	0.99901	0
30/05/2023 20:30	0.01465933	216.4364	0.4720908	0.43978	0
30/05/2023 20:40	0.8171641	237.6056	6.827067	1.39846	0
30/05/2023 20:50	0.4422634	251.5386	5.211511	1.0789	0
30/05/2023 21:00					0
30/05/2023 21:10	0.01465933	295.9211	1.585828	0.43978	0
30/05/2023 21:20	0.02931867	234.4346	2.727603	0.43978	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/05/2023 21:30					0
30/05/2023 21:40	0.0549725	114.7896	2.601861	0.43978	0
30/05/2023 21:50					0
30/05/2023 22:00	0.01465933	166.8463	0.616842	0.43978	0
30/05/2023 22:10	0.181238	14.57711	8.613171	0.59956	0
30/05/2023 22:20	0.1482417	155.6381	20.64286	0.67945	0
30/05/2023 22:30	0.1155878	298.2766	3.181842	0.75934	0
30/05/2023 22:40	0.1455787	270.7487	18.21035	0.75934	0
30/05/2023 22:50	0.8498819	316.7217	11.30707	1.0789	0
30/05/2023 23:00	0.2018698	24.23638	12.75881	0.67945	0
30/05/2023 23:10	0.3367707	76.77581	10.99586	0.8392301	0
30/05/2023 23:20	0.4210235	46.66317	22.56367	0.8392301	0
30/05/2023 23:30	0.6997392	309.3181	10.32979	1.0789	0
30/05/2023 23:40	0.06661351	205.4348	2.450427	0.67945	0
30/05/2023 23:50	0.4522817	74.82478	5.619143	1.0789	0
31/05/2023 00:00	0.5541608	302.278	1.526129	1.0789	0
31/05/2023 00:10	0.5	322	5	0.8	0
31/05/2023 00:20					0
31/05/2023 00:30	0.4	320	6	0.7	0
31/05/2023 00:40	0	46	0	0.4	0
31/05/2023 00:50					0
31/05/2023 01:00	0	109	4	0.6	0
31/05/2023 01:10					0
31/05/2023 01:20					0
31/05/2023 01:30	0.4	31	21	1.1	0
31/05/2023 01:40	0.5	25	19	1.1	0
31/05/2023 01:50	0.4	28	20	1	0
31/05/2023 02:00	0.9	51	22	1.6	0
31/05/2023 02:10	0.9	60	16	1.6	0
31/05/2023 02:20	0.5	69	10	1	0
31/05/2023 02:30	0.3	63	16	1.3	0
31/05/2023 02:40					0
31/05/2023 02:50	0.1	202	15	0.5	0
31/05/2023 03:00	0.9	235	16	1.5	0
31/05/2023 03:10	1	242	12	1.7	0
31/05/2023 03:20	1.2	233	20	2	0
31/05/2023 03:30	0.8	241	18	1.2	0
31/05/2023 03:40	1	254	10	1.4	0
31/05/2023 03:50	1	242	19	1.5	0
31/05/2023 04:00	0.4	234	16	1	0
31/05/2023 04:10	0	257	6	0.5	0
31/05/2023 04:20	0.9	231	16	1.6	0
31/05/2023 04:30	0.9	251	13	1.2	0
31/05/2023 04:40	0.5	277	10	1	0
31/05/2023 04:50	0.8	309	17	1.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/05/2023 05:00	0.9	303	11	1.3	0
31/05/2023 05:10	1.1	288	14	1.5	0
31/05/2023 05:20	1	247	14	1.6	0
31/05/2023 05:30	0.4	215	13	1	0
31/05/2023 05:40	0.2	267	10	1.1	0
31/05/2023 05:50	0.4	247	41	1.2	0
31/05/2023 06:00	0.4	198	9	0.9	0
31/05/2023 06:10	0.3	284	7	1.1	0
31/05/2023 06:20	0.3	214	19	0.8	0
31/05/2023 06:30	0.6	127	22	1.1	0
31/05/2023 06:40	0.1	59	18	0.4	0
31/05/2023 06:50	0.6	64	25	1.2	0
31/05/2023 07:00	0.7	86	27	1.2	0
31/05/2023 07:10	0.7	93	17	1.5	0
31/05/2023 07:20	1.1	93	13	1.6	0
31/05/2023 07:30	1.6	98	10	2.4	0
31/05/2023 07:40	2	101	10	2.4	0
31/05/2023 07:50	2.1	101	9	2.7	0
31/05/2023 08:00	2.2	97	11	3.2	0
31/05/2023 08:10	2.6	98	10	3.6	0
31/05/2023 08:20	2.8	97	10	3.9	0
31/05/2023 08:30	2.9	104	11	3.8	0
31/05/2023 08:40	3.1	104	10	4.1	0
31/05/2023 08:50	3.1	101	11	4	0
31/05/2023 09:00	3	100	10	3.9	0
31/05/2023 09:10	3.4	103	11	4.6	0
31/05/2023 09:20	3.5	106	10	4.7	0
31/05/2023 09:30	3.7	106	11	4.7	0
31/05/2023 09:40	3	104	14	3.8	0
31/05/2023 09:50	2.8	99	13	3.8	0
31/05/2023 10:00	2.2	93	16	2.8	0
31/05/2023 10:10	1.7	111	27	2.8	0
31/05/2023 10:20	1.5	111	27	2.4	0
31/05/2023 10:30	1.3	105	31	2.3	0
31/05/2023 10:40	1.7	74	22	2.3	0
31/05/2023 10:50	2.2	120	22	3.5	0
31/05/2023 11:00	2.8	105	16	4	0
31/05/2023 11:10	3.1	98	17	4.3	0
31/05/2023 11:20	3	81	13	4.4	0
31/05/2023 11:30	2.8	99	18	3.8	0
31/05/2023 11:40	2.9	93	14	4	0
31/05/2023 11:50	3.1	103	14	4.6	0
31/05/2023 12:00	3	93	19	4	0
31/05/2023 12:10	3.3	94	14	4.6	0
31/05/2023 12:20	3.6	99	14	5.1	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/05/2023 12:30	3.5	89	15	4.8	0
31/05/2023 12:40	3.7	98	12	4.9	0
31/05/2023 12:50	3.4	97	14	4.7	0
31/05/2023 13:00	3.3	87	14	4.7	0
31/05/2023 13:10	3.8	102	18	5.5	0
31/05/2023 13:20	3.4	93	15	4.8	0
31/05/2023 13:30	3.8	74	11	5	0
31/05/2023 13:40	3.8	81	10	4.9	0
31/05/2023 13:50	3.7	84	12	4.7	0
31/05/2023 14:00	3.1	91	14	4	0
31/05/2023 14:10	3.2	90	12	4.1	0
31/05/2023 14:20	3	94	11	4.2	0
31/05/2023 14:30	3.6	104	10	4.8	0
31/05/2023 14:40	3.2	93	16	4.4	0
31/05/2023 14:50	2.5	89	21	4.1	0
31/05/2023 15:00	2.3	63	32	3.5	0
31/05/2023 15:10	1.7	170	25	2.5	0
31/05/2023 15:20	1.5	332	22	2.4	0
31/05/2023 15:30	1.3	351	40	2	0
31/05/2023 15:40	1.7	346	22	2.4	0
31/05/2023 15:50	1.6	337	25	2.7	0
31/05/2023 16:00	2.4	308	18	3.7	0
31/05/2023 16:10	2.7	296	9	3.4	0
31/05/2023 16:20	1.8	312	16	2.4	0
31/05/2023 16:30	1.5	321	22	2.4	0
31/05/2023 16:40	2.2	293	12	2.9	0
31/05/2023 16:50	2.2	299	9	3.1	0
31/05/2023 17:00	2.4	294	12	3	0
31/05/2023 17:10	2	302	10	2.6	0
31/05/2023 17:20	2.1	301	11	2.8	0
31/05/2023 17:30	2.2	298	8	2.8	0
31/05/2023 17:40	2	301	10	2.6	0
31/05/2023 17:50	2	306	11	2.7	0
31/05/2023 18:00	1.8	311	11	2.4	0
31/05/2023 18:10	1.6	313	12	2.2	0
31/05/2023 18:20	1.3	335	22	2	0
31/05/2023 18:30	1.1	332	18	1.6	0
31/05/2023 18:40	1.3	321	18	1.8	0
31/05/2023 18:50	1.3	321	18	2	0
31/05/2023 19:00	1.3	322	16	1.9	0
31/05/2023 19:10	1.3	317	13	2	0
31/05/2023 19:20	1.3	304	11	2.2	0
31/05/2023 19:30	0.5	264	6	1.5	0
31/05/2023 19:40	1.6	247	8	2	0
31/05/2023 19:50	1.8	259	6	2.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/05/2023 20:00	1.9	257	6	2.3	0
31/05/2023 20:10	2.3	254	8	2.9	0
31/05/2023 20:20	1.9	237	7	2.4	0
31/05/2023 20:30	1.3	234	8	1.7	0
31/05/2023 20:40	0.8	232	8	1.2	0
31/05/2023 20:50					0
31/05/2023 21:00					0
31/05/2023 21:10	0	291	0	0.4	0
31/05/2023 21:20	0	270	5	0.5	0
31/05/2023 21:30	0.1	261	2	0.6	0
31/05/2023 21:40	0	276	1	0.4	0
31/05/2023 21:50	0.1	250	3	0.4	0
31/05/2023 22:00	0	242	3	0.4	0
31/05/2023 22:10					0
31/05/2023 22:20	0.3	256	5	0.6	0
31/05/2023 22:30	0.8	251	8	1.5	0
31/05/2023 22:40	1.6	250	10	2.4	0
31/05/2023 22:50	2.2	251	11	3	0
31/05/2023 23:00	2.2	256	10	2.8	0
31/05/2023 23:10	1.9	253	9	2.4	0
31/05/2023 23:20	1.6	250	9	2.3	0
31/05/2023 23:30	1.3	258	10	1.6	0
31/05/2023 23:40	0.4	279	6	1.2	0
31/05/2023 23:50	0.8	261	9	1.1	0
01/06/2023 00:00	1	249	7	1.2	0
01/06/2023 00:10	2.2	248	8	2.9	0
01/06/2023 00:20	2.4	250	8	2.9	0
01/06/2023 00:30	2.4	252	8	3.1	0
01/06/2023 00:40	2.2	250	10	2.8	0
01/06/2023 00:50	2.3	257	9	3.2	0
01/06/2023 01:00	1.9	246	10	2.5	0
01/06/2023 01:10	2.1	251	10	2.8	0
01/06/2023 01:20	1.7	250	10	2.3	0
01/06/2023 01:30	1.9	246	12	2.7	0
01/06/2023 01:40	1.6	243	12	2.2	0
01/06/2023 01:50	1.3	261	14	2	0
01/06/2023 02:00	1.5	265	10	2	0
01/06/2023 02:10	1.5	282	10	1.9	0
01/06/2023 02:20	1.8	284	7	2	0
01/06/2023 02:30	1.7	278	8	2	0
01/06/2023 02:40	1.3	270	7	1.6	0
01/06/2023 02:50	1.3	266	6	1.6	0
01/06/2023 03:00	1	255	11	1.4	0
01/06/2023 03:10	0.6	256	6	1.2	0
01/06/2023 03:20					0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/06/2023 03:30	0.6	307	6	1.1	0
01/06/2023 03:40	1	294	9	1.2	0
01/06/2023 03:50	1.3	278	7	1.6	0
01/06/2023 04:00	1.3	272	7	1.6	0
01/06/2023 04:10	1.2	266	9	1.6	0
01/06/2023 04:20	1	273	9	1.2	0
01/06/2023 04:30	1.2	290	7	1.5	0
01/06/2023 04:40	1.3	299	5	1.5	0
01/06/2023 04:50	1.4	291	6	1.6	0
01/06/2023 05:00	1.2	284	8	1.5	0
01/06/2023 05:10	1	287	7	1.4	0
01/06/2023 05:20	1.2	301	4	1.5	0
01/06/2023 05:30	1.2	302	4	1.4	0
01/06/2023 05:40	1.2	303	3	1.4	0
01/06/2023 05:50	1.2	300	4	1.4	0
01/06/2023 06:00	1.2	299	4	1.4	0
01/06/2023 06:10	1.1	297	6	1.4	0
01/06/2023 06:20	0.8	181	33	1.1	0
01/06/2023 06:30	0.8	331	19	1.1	0
01/06/2023 06:40	1	305	4	1.4	0
01/06/2023 06:50	1	306	8	1.3	0
01/06/2023 07:00	0.9	312	8	1.2	0
01/06/2023 07:10	0.7	317	7	1	0
01/06/2023 07:20	0.6	166	10	1.2	0
01/06/2023 07:30	0.8	186	20	1	0
01/06/2023 07:40	1.1	35	8	1.4	0
01/06/2023 07:50	0.8	49	7	1.2	0
01/06/2023 08:00					0
01/06/2023 08:10	0.3	103	9	0.7	0
01/06/2023 08:20	0.7	87	9	0.9	0
01/06/2023 08:30	0.6	117	15	0.8	0
01/06/2023 08:40	0.9	100	21	1.2	0
01/06/2023 08:50	1.3	105	12	1.8	0
01/06/2023 09:00	1.3	103	14	1.7	0
01/06/2023 09:10	1.1	86	15	1.6	0
01/06/2023 09:20	0.7	125	29	1.2	0
01/06/2023 09:30	0.7	183	37	1.3	0
01/06/2023 09:40	1.5	232	22	2.4	0
01/06/2023 09:50	1.4	224	20	2.2	0
01/06/2023 10:00	1.9	243	14	2.7	0
01/06/2023 10:10	1.7	243	16	2.3	0
01/06/2023 10:20	1.5	238	19	2.2	0
01/06/2023 10:30	1.3	254	30	2	0
01/06/2023 10:40	1.1	242	33	1.8	0
01/06/2023 10:50	1.1	220	59	1.9	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/06/2023 11:00	0.6	272	46	1.3	0
01/06/2023 11:10	1.1	223	49	2.2	0
01/06/2023 11:20	2	238	24	3.1	0
01/06/2023 11:30	2.4	238	12	3.2	0
01/06/2023 11:40	2.3	253	18	3.2	0
01/06/2023 11:50	2.5	259	21	3.4	0
01/06/2023 12:00	2.5	284	17	3.3	0
01/06/2023 12:10	2.9	311	11	3.9	0
01/06/2023 12:20	2.7	311	15	3.5	0
01/06/2023 12:30	3.1	306	14	4.1	0
01/06/2023 12:40	3.6	297	11	4.5	0
01/06/2023 12:50	3.6	299	11	4.8	0
01/06/2023 13:00	3.5	297	11	4.9	0
01/06/2023 13:10	3.4	303	14	4.5	0
01/06/2023 13:20	3.7	296	13	4.5	0
01/06/2023 13:30	3.1	296	14	4.4	0
01/06/2023 13:40	3.5	300	12	4.5	0
01/06/2023 13:50	3.4	298	11	4.7	0
01/06/2023 14:00	3.3	297	13	4.3	0
01/06/2023 14:10	3.2	304	13	4	0
01/06/2023 14:20	3.2	302	15	4.4	0
01/06/2023 14:30	3.2	303	16	4.4	0
01/06/2023 14:40	3.3	304	16	4.2	0
01/06/2023 14:50	3.8	295	9	4.9	0
01/06/2023 15:00	3.3	310	16	4.7	0
01/06/2023 15:10	3.6	317	15	4.8	0
01/06/2023 15:20	3.6	310	17	5.2	0
01/06/2023 15:30	3.4	316	13	4.8	0
01/06/2023 15:40	3.6	314	11	5.5	0
01/06/2023 15:50	3.8	317	12	5.1	0
01/06/2023 16:00	3.7	314	14	4.8	0
01/06/2023 16:10	3.2	315	15	4.5	0
01/06/2023 16:20	3.9	307	12	5.1	0
01/06/2023 16:30	3.6	302	14	5.1	0
01/06/2023 16:40	3.6	300	10	4.9	0
01/06/2023 16:50	3.5	299	12	4.8	0
01/06/2023 17:00	3.1	308	15	4.3	0
01/06/2023 17:10	3.4	300	12	4.5	0
01/06/2023 17:20	2.8	301	15	3.9	0
01/06/2023 17:30	3.1	298	13	4	0
01/06/2023 17:40	2.9	307	13	4.3	0
01/06/2023 17:50	3	305	11	4	0
01/06/2023 18:00	2.9	301	10	4.1	0
01/06/2023 18:10	2.8	296	14	3.8	0
01/06/2023 18:20	2.5	290	17	3.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/06/2023 18:30	2.1	309	14	3.1	0
01/06/2023 18:40	2.2	312	14	3	0
01/06/2023 18:50	2.1	306	15	3.1	0
01/06/2023 19:00	2.3	312	13	3.6	0
01/06/2023 19:10	2.4	315	11	3.1	0
01/06/2023 19:20	2.2	318	13	3.2	0
01/06/2023 19:30	2.2	328	13	3.6	0
01/06/2023 19:40	2.7	329	14	3.7	0
01/06/2023 19:50	2.6	332	14	3.8	0
01/06/2023 20:00	2.4	338	18	3.9	0
01/06/2023 20:10	2.5	332	14	3.6	0
01/06/2023 20:20	2.6	329	15	3.7	0
01/06/2023 20:30	2.4	321	15	3.6	0
01/06/2023 20:40	2.4	316	14	3.3	0
01/06/2023 20:50	2.1	311	13	3.4	0
01/06/2023 21:00	2.5	311	13	3.6	0
01/06/2023 21:10	2.4	309	13	3.2	0
01/06/2023 21:20	2.3	310	13	3.6	0
01/06/2023 21:30	2.7	314	11	3.9	0
01/06/2023 21:40	2.7	310	11	3.5	0
01/06/2023 21:50	2.4	305	12	3.4	0
01/06/2023 22:00	2	300	12	2.9	0
01/06/2023 22:10	0.9	275	20	2.2	0
01/06/2023 22:20	1	264	12	1.6	0
01/06/2023 22:30	1.6	270	11	2.2	0
01/06/2023 22:40	2	263	13	2.6	0
01/06/2023 22:50	1.7	261	12	2.4	0
01/06/2023 23:00	1.4	258	18	2.2	0
01/06/2023 23:10	2	263	10	2.6	0
01/06/2023 23:20	1.1	252	15	2	0
01/06/2023 23:30	0.7	243	15	1.2	0
01/06/2023 23:40	0	73	2	0.4	0
01/06/2023 23:50	0.2	274	11	0.8	0
02/06/2023 00:00	1.3	270	11	2.1	0
02/06/2023 00:10	1.9	266	9	2.5	0
02/06/2023 00:20	1.8	260	11	2.6	0
02/06/2023 00:30	2.2	258	12	3	0
02/06/2023 00:40	1.7	273	12	2.3	0
02/06/2023 00:50	2.2	282	8	3	0
02/06/2023 01:00	2.3	277	9	3.2	0
02/06/2023 01:10	1.9	284	9	2.5	0
02/06/2023 01:20	1.8	281	15	2.8	0
02/06/2023 01:30	1.7	277	16	2.1	0
02/06/2023 01:40	1.4	260	27	2	0
02/06/2023 01:50	1.4	284	12	1.7	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/06/2023 02:00	1.9	279	9	2.4	0
02/06/2023 02:10	2.2	273	13	3.4	0
02/06/2023 02:20	2.2	272	13	3.1	0
02/06/2023 02:30	2.3	268	13	3	0
02/06/2023 02:40	2.2	268	11	2.8	0
02/06/2023 02:50	2.5	264	10	3.2	0
02/06/2023 03:00	2	271	14	2.8	0
02/06/2023 03:10	1.8	260	18	2.8	0
02/06/2023 03:20	1.9	263	12	2.5	0
02/06/2023 03:30	2	290	6	2.5	0
02/06/2023 03:40	1.6	285	15	2.4	0
02/06/2023 03:50	0.9	299	26	1.6	0
02/06/2023 04:00	1	311	19	1.5	0
02/06/2023 04:10	0.7	298	43	1.4	0
02/06/2023 04:20	0.7	294	20	1.2	0
02/06/2023 04:30	0.6	252	55	1.5	0
02/06/2023 04:40	1	142	73	2	0
02/06/2023 04:50	1.3	131	59	2.4	0
02/06/2023 05:00	1.8	143	30	2.7	0
02/06/2023 05:10	1.7	143	36	2.6	0
02/06/2023 05:20	1.3	150	51	2.2	0
02/06/2023 05:30	1.8	148	27	3.1	0
02/06/2023 05:40	1.8	149	36	2.8	0
02/06/2023 05:50	1.7	144	31	2.5	0
02/06/2023 06:00	1.8	144	27	2.9	0
02/06/2023 06:10	2.2	144	19	3.2	0
02/06/2023 06:20	2.8	138	18	4.8	0
02/06/2023 06:30	3.2	129	15	4.8	0
02/06/2023 06:40	3.4	128	12	4.4	0
02/06/2023 06:50	3.6	129	14	4.9	0
02/06/2023 07:00	3.6	126	14	5.3	0
02/06/2023 07:10	3.3	119	12	4.7	0
02/06/2023 07:20	3.3	110	12	4.5	0
02/06/2023 07:30	3.6	115	12	4.7	0
02/06/2023 07:40	4	113	11	5.6	0
02/06/2023 07:50	3.4	114	13	4.8	0
02/06/2023 08:00	3.8	107	10	5	0
02/06/2023 08:10	3.6	108	12	4.5	0
02/06/2023 08:20	3.4	113	11	4.2	0
02/06/2023 08:30	3.4	109	13	4.5	0
02/06/2023 08:40	3.9	105	12	5	0
02/06/2023 08:50	4	101	12	5.3	0
02/06/2023 09:00	4.5	100	11	6	0
02/06/2023 09:10	4.4	99	11	5.9	0
02/06/2023 09:20	4.4	99	11	5.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/06/2023 09:30	4.4	105	13	6.1	0
02/06/2023 09:40	5.1	106	12	7	0
02/06/2023 09:50	4.8	103	12	6.9	0
02/06/2023 10:00	5.2	101	11	6.7	0
02/06/2023 10:10	4.7	109	10	6.7	0
02/06/2023 10:20	4.9	99	11	6.2	0
02/06/2023 10:30	5	102	13	6.5	0
02/06/2023 10:40	4.6	97	12	6.6	0
02/06/2023 10:50	4.6	97	15	6.5	0
02/06/2023 11:00	4.6	92	15	6.4	0
02/06/2023 11:10	4.1	96	14	6.4	0
02/06/2023 11:20	4.6	89	11	6.7	0
02/06/2023 11:30	4.6	90	14	6.3	0
02/06/2023 11:40	4.7	87	13	6.4	0
02/06/2023 11:50	4.4	90	12	6.8	0
02/06/2023 12:00	4.8	92	12	6.6	0
02/06/2023 12:10	3.9	90	15	5.2	0
02/06/2023 12:20	4.9	81	11	6.4	0
02/06/2023 12:30	4.2	86	13	5.4	0
02/06/2023 12:40	4.5	89	11	6.1	0
02/06/2023 12:50	4.5	92	12	6	0
02/06/2023 13:00	5	82	12	6.6	0
02/06/2023 13:10	5.2	77	12	7.1	0
02/06/2023 13:20	4.9	78	14	6.9	0
02/06/2023 13:30	5	78	12	7.1	0
02/06/2023 13:40	4.7	68	12	6.4	0
02/06/2023 13:50	5.3	69	11	7.1	0
02/06/2023 14:00	5.2	72	12	7.3	0
02/06/2023 14:10	5.3	68	13	7.7	0
02/06/2023 14:20	5.1	61	12	7	0
02/06/2023 14:30	4.8	63	13	6.3	0
02/06/2023 14:40	4.5	69	12	6.4	0
02/06/2023 14:50	4.9	60	12	6.3	0
02/06/2023 15:00	4.7	60	12	6.3	0
02/06/2023 15:10	5	64	12	6.7	0
02/06/2023 15:20	4.9	62	12	6.5	0
02/06/2023 15:30	4.9	70	12	7.1	0
02/06/2023 15:40	4.9	72	13	6.8	0
02/06/2023 15:50	4.2	55	15	5.9	0
02/06/2023 16:00	4.1	58	12	5.2	0
02/06/2023 16:10	3.2	31	18	4.8	0
02/06/2023 16:20	2.8	193	17	4.4	0
02/06/2023 16:30	2.5	355	21	3.8	0
02/06/2023 16:40	2.4	3	22	4	0
02/06/2023 16:50	3.2	341	17	4.8	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/06/2023 17:00	2.7	350	20	4	0
02/06/2023 17:10	2.7	352	14	4.1	0
02/06/2023 17:20	2.8	4	17	4.2	0
02/06/2023 17:30	2.8	180	16	3.9	0
02/06/2023 17:40	2.7	350	19	4.5	0
02/06/2023 17:50	3.1	349	16	4.3	0
02/06/2023 18:00	2.9	345	17	4.2	0
02/06/2023 18:10	3.3	344	15	4.8	0
02/06/2023 18:20	2.7	344	16	4	0
02/06/2023 18:30	2.2	344	15	3.3	0
02/06/2023 18:40	2.2	276	17	3.6	0
02/06/2023 18:50	2.4	254	12	3.5	0
02/06/2023 19:00	3.1	258	11	4.3	0
02/06/2023 19:10	3.2	260	10	4.1	0
02/06/2023 19:20	3.4	260	11	4.4	0
02/06/2023 19:30	3.6	261	9	4.7	0
02/06/2023 19:40	3	260	11	4.3	0
02/06/2023 19:50	2.9	261	11	3.7	0
02/06/2023 20:00	3.1	260	10	4.1	0
02/06/2023 20:10	2.7	259	12	3.7	0
02/06/2023 20:20	2.7	258	12	3.9	0
02/06/2023 20:30	2.8	257	10	3.6	0
02/06/2023 20:40	3	261	9	4.1	0
02/06/2023 20:50	3	257	11	4.4	0
02/06/2023 21:00	3.2	263	9	4	0
02/06/2023 21:10	3.4	262	9	4.5	0
02/06/2023 21:20	3	261	9	3.8	0
02/06/2023 21:30	2.5	257	9	3.3	0
02/06/2023 21:40	2.3	253	11	3	0
02/06/2023 21:50	2.7	258	12	3.5	0
02/06/2023 22:00	2.8	254	11	3.7	0
02/06/2023 22:10	2.5	256	10	3.3	0
02/06/2023 22:20	2.5	257	10	3.2	0
02/06/2023 22:30	3	257	11	4	0
02/06/2023 22:40	2.9	255	12	4	0
02/06/2023 22:50	2.6	255	12	3.5	0
02/06/2023 23:00	2.3	254	10	3.1	0
02/06/2023 23:10	2.4	256	10	3.1	0
02/06/2023 23:20	2.4	260	9	3.4	0
02/06/2023 23:30	2.8	257	11	3.7	0
02/06/2023 23:40	3.2	257	10	4.1	0
02/06/2023 23:50	3.1	258	9	3.8	0
03/06/2023 00:00	3	264	9	3.7	0
03/06/2023 00:10	3.1	263	8	4	0
03/06/2023 00:20	2.6	262	8	3.6	0



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/06/2023 00:30	2.8	258	8	3.6	0
03/06/2023 00:40	2.7	263	9	3.4	0
03/06/2023 00:50	2.5	262	7	3.2	0
03/06/2023 01:00	1.8	260	10	2.5	0
03/06/2023 01:10	1.9	271	8	2.5	0
03/06/2023 01:20	2.1	264	8	3.1	0
03/06/2023 01:30	1.9	273	8	2.4	0
03/06/2023 01:40	1	265	8	1.9	0
03/06/2023 01:50	0	249	2	0.4	0
03/06/2023 02:00	0.2	268	4	0.6	0
03/06/2023 02:10	0.9	262	9	1.6	0
03/06/2023 02:20	1.3	249	10	2.1	0
03/06/2023 02:30	1.7	254	8	2.5	0
03/06/2023 02:40	2.7	260	9	3.4	0
03/06/2023 02:50	2.3	268	9	2.9	0
03/06/2023 03:00	1.8	265	9	2.5	0
03/06/2023 03:10	1.9	273	7	2.4	0
03/06/2023 03:20	1.8	280	6	2.2	0
03/06/2023 03:30	1.9	285	4	2.2	0
03/06/2023 03:40	1.8	274	6	2.3	0
03/06/2023 03:50	0.9	280	8	1.6	0
03/06/2023 04:00	0	135	1	0.5	0
03/06/2023 04:10	1.3	264	7	1.6	0
03/06/2023 04:20	0.3	266	4	0.9	0
03/06/2023 04:30					0
03/06/2023 04:40	0.9	284	6	1.6	0
03/06/2023 04:50					0
03/06/2023 05:00	0.9	295	5	1.2	0
03/06/2023 05:10	0.3	202	23	0.8	0
03/06/2023 05:20	0.5	268	37	1.2	0
03/06/2023 05:30	0.8	282	78	1.5	0
03/06/2023 05:40	1.5	147	57	3.2	0
03/06/2023 05:50	1.7	144	32	2.8	0
03/06/2023 06:00	1.7	118	14	2.5	0
03/06/2023 06:10	1.9	132	17	2.8	0
03/06/2023 06:20	1.5	148	51	2.3	0
03/06/2023 06:30	1.6	140	25	3	0
03/06/2023 06:40	1.7	125	17	2.6	0
03/06/2023 06:50	1.4	131	16	2	0
03/06/2023 07:00	0.5	192	49	1.2	0
03/06/2023 07:10	0.8	114	20	1.3	0
03/06/2023 07:20	0.8	58	75	1.8	0
03/06/2023 07:30	2.2	142	28	3.6	0
03/06/2023 07:40	1.2	110	73	2	0
03/06/2023 07:50	1.4	144	36	2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/06/2023 08:00	1.7	144	20	2.6	0
03/06/2023 08:10	2.1	146	31	3.2	0
03/06/2023 08:20	2.6	136	18	3.7	0
03/06/2023 08:30	2.4	127	15	3.8	0
03/06/2023 08:40	3.3	128	14	4.8	0
03/06/2023 08:50	3	131	17	4.4	0
03/06/2023 09:00	3.2	133	17	5.1	0
03/06/2023 09:10	3.8	133	16	5.6	0
03/06/2023 09:20	4.1	107	14	5.5	0
03/06/2023 09:30	4.5	99	12	5.8	0
03/06/2023 09:40	4.3	103	10	5.4	0
03/06/2023 09:50	4.1	100	13	5.9	0
03/06/2023 10:00	4	96	12	5.7	0
03/06/2023 10:10	4.3	94	12	6.1	0
03/06/2023 10:20	4.4	97	14	6	0
03/06/2023 10:30	4.3	95	15	5.9	0
03/06/2023 10:40	4.1	103	13	5.8	0
03/06/2023 10:50	4.5	103	13	6.2	0
03/06/2023 11:00	4.3	96	14	6	0
03/06/2023 11:10	4.2	87	12	5.5	0
03/06/2023 11:20	4.2	96	14	5.6	0
03/06/2023 11:30	4	96	15	5.3	0
03/06/2023 11:40	4	88	12	5.5	0
03/06/2023 11:50	3.8	89	13	5.4	0
03/06/2023 12:00	4	89	12	5.7	0
03/06/2023 12:10	3.5	98	15	5.4	0
03/06/2023 12:20	3.5	88	14	4.8	0
03/06/2023 12:30	3.5	87	15	4.8	0
03/06/2023 12:40	3.9	86	14	5.1	0
03/06/2023 12:50	3.7	82	14	5.3	0
03/06/2023 13:00	3.3	76	13	4.4	0
03/06/2023 13:10	3.4	78	12	4.5	0
03/06/2023 13:20	3.4	78	16	4.9	0
03/06/2023 13:30	3.9	78	15	5.2	0
03/06/2023 13:40	4.6	78	13	6	0
03/06/2023 13:50	5.3	73	12	6.9	0
03/06/2023 14:00	4.5	72	14	6.4	0
03/06/2023 14:10	3.8	68	13	5.5	0
03/06/2023 14:20	4.1	60	13	5.4	0
03/06/2023 14:30	3.8	69	18	5.3	0
03/06/2023 14:40	3	77	19	4.5	0
03/06/2023 14:50	3.9	74	12	5.9	0
03/06/2023 15:00	2.2	52	22	3.3	0
03/06/2023 15:10	2.6	69	17	4	0
03/06/2023 15:20	2.7	78	19	4.3	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/06/2023 15:30	2.7	176	27	3.9	0
03/06/2023 15:40	2.9	335	22	4.1	0
03/06/2023 15:50	3.2	352	23	5.2	0
03/06/2023 16:00	2.9	347	18	4.2	0
03/06/2023 16:10	2.9	185	19	4.3	0
03/06/2023 16:20	3.6	178	23	5.3	0
03/06/2023 16:30	3.3	186	20	4.7	0
03/06/2023 16:40	3.3	12	15	4.8	0
03/06/2023 16:50	2.7	177	20	4	0
03/06/2023 17:00	3.3	342	16	4.7	0
03/06/2023 17:10	2.5	181	16	3.9	0
03/06/2023 17:20	2.3	349	18	3.1	0
03/06/2023 17:30	2	353	20	2.8	0
03/06/2023 17:40	1.6	333	22	2.5	0
03/06/2023 17:50	1.9	332	20	3	0
03/06/2023 18:00	1.9	309	15	2.6	0
03/06/2023 18:10	2	315	18	3.1	0
03/06/2023 18:20	1.9	314	16	3	0
03/06/2023 18:30	1.9	299	17	2.7	0
03/06/2023 18:40	2	322	13	2.8	0
03/06/2023 18:50	2.1	314	12	2.9	0
03/06/2023 19:00	2.2	297	11	3	0
03/06/2023 19:10	1.8	295	11	2.4	0
03/06/2023 19:20	1.3	277	17	2.2	0
03/06/2023 19:30	1.2	286	17	2	0
03/06/2023 19:40	0.4	302	10	1	0
03/06/2023 19:50	1.2	260	7	1.8	0
03/06/2023 20:00	0.7	228	7	1.3	0
03/06/2023 20:10					0
03/06/2023 20:20					0
03/06/2023 20:30					0
03/06/2023 20:40					0
03/06/2023 20:50	0.1	291	3	0.4	0
03/06/2023 21:00	0.6	265	6	0.9	0
03/06/2023 21:10	0.1	222	3	0.4	0
03/06/2023 21:20					0
03/06/2023 21:30					0
03/06/2023 21:40					0
03/06/2023 21:50					0
03/06/2023 22:00					0
03/06/2023 22:10					0
03/06/2023 22:20					0
03/06/2023 22:30	0.6	259	8	1.1	0
03/06/2023 22:40	0.6	265	8	0.9	0
03/06/2023 22:50	0.6	288	6	0.8	0



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/06/2023 23:00	0.8	273	5	1	0
03/06/2023 23:10	0.1	271	3	0.6	0
03/06/2023 23:20	0.7	278	6	1	0
03/06/2023 23:30	0.2	269	3	0.7	0
03/06/2023 23:40	0.5	269	6	0.8	0
03/06/2023 23:50	0.4	265	5	0.9	0
04/06/2023 00:00					0
04/06/2023 00:10					0
04/06/2023 00:20	1.1	230	8	1.7	0
04/06/2023 00:30	1.6	247	7	2	0
04/06/2023 00:40	1.4	252	7	1.7	0
04/06/2023 00:50	1.3	250	6	1.8	0
04/06/2023 01:00	1.5	246	7	2	0
04/06/2023 01:10	2	245	8	2.7	0
04/06/2023 01:20	2.3	247	10	2.8	0
04/06/2023 01:30	1.8	251	9	2.6	0
04/06/2023 01:40	1.2	244	13	1.9	0
04/06/2023 01:50	0.8	263	10	1.1	0
04/06/2023 02:00	0.1	273	4	0.6	0
04/06/2023 02:10					0
04/06/2023 02:20					0
04/06/2023 02:30	0.2	300	11	0.8	0
04/06/2023 02:40					0
04/06/2023 02:50	0.2	289	8	0.7	0
04/06/2023 03:00					0
04/06/2023 03:10					0
04/06/2023 03:20	0	309	1	0.4	0
04/06/2023 03:30	0.3	311	3	0.8	0
04/06/2023 03:40	0.4	310	4	0.8	0
04/06/2023 03:50	0.4	301	2	0.8	0
04/06/2023 04:00	0.4	299	2	0.7	0
04/06/2023 04:10	0.3	303	4	0.6	0
04/06/2023 04:20	0	300	0	0.4	0
04/06/2023 04:30	0	305	1	0.4	0
04/06/2023 04:40	0.5	304	2	1.2	0
04/06/2023 04:50	0.5	309	4	1.2	0
04/06/2023 05:00	0.4	100	6	1.7	0
04/06/2023 05:10	1.2	90	19	2	0
04/06/2023 05:20	0.9	116	12	1.5	0
04/06/2023 05:30	0.2	110	6	0.9	0
04/06/2023 05:40	1	111	11	1.8	0
04/06/2023 05:50	1.7	94	14	2.4	0
04/06/2023 06:00	2	90	9	2.6	0
04/06/2023 06:10	1.3	87	10	2	0
04/06/2023 06:20	1.2	87	11	2.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/06/2023 06:30	1.1	88	9	1.7	0
04/06/2023 06:40	0.9	97	12	1.5	0
04/06/2023 06:50	1.2	101	12	1.9	0
04/06/2023 07:00	1.2	103	12	1.9	0
04/06/2023 07:10	1.7	90	11	2.6	0
04/06/2023 07:20	2.4	94	9	3.4	0
04/06/2023 07:30	2.9	94	10	3.8	0
04/06/2023 07:40	3.7	92	10	5.1	0
04/06/2023 07:50	4.2	94	11	5.9	0
04/06/2023 08:00	4.3	95	11	5.6	0
04/06/2023 08:10	4	105	11	5.6	0
04/06/2023 08:20	4.8	104	12	6.8	0
04/06/2023 08:30	5.3	97	10	7	0
04/06/2023 08:40	5.1	98	11	7.2	0
04/06/2023 08:50	5.6	97	13	7.4	0
04/06/2023 09:00	5.5	98	10	7.8	0
04/06/2023 09:10	5.2	99	12	7.2	0
04/06/2023 09:20	5.3	88	12	7.6	0
04/06/2023 09:30	5.2	98	13	7.5	0
04/06/2023 09:40	5.2	88	12	7.2	0
04/06/2023 09:50	5.3	95	11	7.2	0
04/06/2023 10:00	4.9	91	12	7	0
04/06/2023 10:10	5.1	91	13	7.1	0
04/06/2023 10:20	5.1	87	12	6.8	0
04/06/2023 10:30	5.4	96	14	7.5	0
04/06/2023 10:40	6.1	90	11	7.9	0
04/06/2023 10:50	6.2	90	11	8.3	0
04/06/2023 11:00	6.3	90	13	8.7	0
04/06/2023 11:10	5.3	87	11	7.4	0
04/06/2023 11:20	5.8	79	11	8	0
04/06/2023 11:30	6.2	81	12	8.8	0
04/06/2023 11:40	6.9	83	12	9.9	0
04/06/2023 11:50	7.1	79	11	9.1	0
04/06/2023 12:00	7.1	80	13	8.9	0
04/06/2023 12:10	7	83	10	9.1	0
04/06/2023 12:20	6.6	81	13	8.9	0
04/06/2023 12:30	6.1	86	12	8.3	0
04/06/2023 12:40	5.9	78	14	8.3	0
04/06/2023 12:50	5.8	77	13	8	0
04/06/2023 13:00	6.4	71	12	8.2	0
04/06/2023 13:10	6.2	77	11	8.4	0
04/06/2023 13:20	6.4	76	14	8.7	0
04/06/2023 13:30	6.2	74	12	8.5	0
04/06/2023 13:40	6.3	83	12	8.2	0
04/06/2023 13:50	5.5	76	12	8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/06/2023 14:00	5.5	77	14	7.5	0
04/06/2023 14:10	5.2	70	13	7.6	0
04/06/2023 14:20	5.8	77	13	7.3	0
04/06/2023 14:30	5.4	68	14	7.8	0
04/06/2023 14:40	5.2	64	10	6.9	0
04/06/2023 14:50	5.1	74	12	6.9	0
04/06/2023 15:00	5	77	13	7.2	0
04/06/2023 15:10	5.1	73	12	6.6	0
04/06/2023 15:20	4.3	72	14	5.4	0
04/06/2023 15:30	4.1	74	12	6	0
04/06/2023 15:40	4.4	71	12	6	0
04/06/2023 15:50	4.8	86	11	6	0
04/06/2023 16:00	4.4	81	13	5.9	0
04/06/2023 16:10	3.8	78	14	5.2	0
04/06/2023 16:20	4	79	12	5.6	0
04/06/2023 16:30	3.9	75	11	5.1	0
04/06/2023 16:40	3.9	82	10	5.5	0
04/06/2023 16:50	3.8	68	11	5.2	0
04/06/2023 17:00	3.6	68	11	4.7	0
04/06/2023 17:10	3.1	50	11	4.3	0
04/06/2023 17:20	3.1	46	11	4	0
04/06/2023 17:30	2.9	39	11	3.7	0
04/06/2023 17:40	2.5	36	15	3.5	0
04/06/2023 17:50	2	26	18	3	0
04/06/2023 18:00	2	39	19	3.2	0
04/06/2023 18:10	1.2	58	22	2	0
04/06/2023 18:20	1.2	101	18	1.7	0
04/06/2023 18:30	0.9	68	25	1.6	0
04/06/2023 18:40	1.2	23	15	2	0
04/06/2023 18:50	1.2	9	12	1.8	0
04/06/2023 19:00	1.1	29	28	1.6	0
04/06/2023 19:10	0.9	38	29	1.6	0
04/06/2023 19:20	1.1	42	15	1.7	0
04/06/2023 19:30	1.2	39	10	1.9	0
04/06/2023 19:40	1.1	44	11	1.5	0
04/06/2023 19:50	0.3	50	5	1.1	0
04/06/2023 20:00	0.2	51	2	0.9	0
04/06/2023 20:10	0.2	24	7	0.8	0
04/06/2023 20:20	0.2	26	9	1.4	0
04/06/2023 20:30	0.1	32	10	0.9	0
04/06/2023 20:40	0	52	0	0.4	0
04/06/2023 20:50	0	171	11	0.4	0
04/06/2023 21:00	0	171	4	0.4	0
04/06/2023 21:10	0	130	1	0.4	0
04/06/2023 21:20	0	255	0	0.4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/06/2023 21:30					0
04/06/2023 21:40	0.1	208	15	0.4	0
04/06/2023 21:50	0.1	108	6	0.4	0
04/06/2023 22:00	0	194	10	0.4	0
04/06/2023 22:10	0.1	188	4	0.5	0
04/06/2023 22:20	0.1	142	6	0.6	0
04/06/2023 22:30	0.1	221	6	0.5	0
04/06/2023 22:40	0.1	182	7	0.4	0
04/06/2023 22:50	0.1	135	9	0.6	0
04/06/2023 23:00	0.7	77	7	1.5	0
04/06/2023 23:10	1.1	66	8	1.8	0
04/06/2023 23:20	1.3	77	11	2.1	0
04/06/2023 23:30	0.8	100	9	1.6	0
04/06/2023 23:40	0.6	81	11	1.2	0
04/06/2023 23:50	0.4	87	11	1	0
05/06/2023 00:00	1.3	93	12	2.4	0
05/06/2023 00:10	1.8	72	7	2.4	0
05/06/2023 00:20	2	87	9	3	0
05/06/2023 00:30	1.4	89	11	2.1	0
05/06/2023 00:40	1.5	80	13	2.4	0
05/06/2023 00:50	1.5	64	8	2	0
05/06/2023 01:00	1.5	64	14	2	0
05/06/2023 01:10	1.3	50	12	1.9	0
05/06/2023 01:20	1.2	48	12	1.6	0
05/06/2023 01:30	0.9	37	17	1.4	0
05/06/2023 01:40	0.5	51	11	0.9	0
05/06/2023 01:50	0.9	73	16	1.7	0
05/06/2023 02:00	1.2	153	27	2.1	0
05/06/2023 02:10	1.7	153	23	2.8	0
05/06/2023 02:20	1.2	223	39	2	0
05/06/2023 02:30	0.9	224	24	1.6	0
05/06/2023 02:40	1	226	36	1.9	0
05/06/2023 02:50	0.5	219	16	1.1	0
05/06/2023 03:00					0
05/06/2023 03:10					0
05/06/2023 03:20					0
05/06/2023 03:30	0.2	31	4	0.6	0
05/06/2023 03:40	0.2	260	6	0.8	0
05/06/2023 03:50	0.2	254	3	0.8	0
05/06/2023 04:00	0.4	44	20	0.8	0
05/06/2023 04:10	0.4	335	11	0.9	0
05/06/2023 04:20	0.6	299	4	0.9	0
05/06/2023 04:30	0.5	300	2	0.8	0
05/06/2023 04:40	0.6	249	13	1.2	0
05/06/2023 04:50	0.7	219	15	1.3	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/06/2023 05:00	0.2	269	4	0.7	0
05/06/2023 05:10	0.2	296	5	0.6	0
05/06/2023 05:20	0	234	1	0.4	0
05/06/2023 05:30	0.3	231	14	1	0
05/06/2023 05:40	0.1	214	19	0.6	0
05/06/2023 05:50	0.3	224	12	0.8	0
05/06/2023 06:00	0.9	220	12	1.5	0
05/06/2023 06:10	0.1	145	4	0.4	0
05/06/2023 06:20	0.2	72	14	0.5	0
05/06/2023 06:30	0	24	1	0.6	0
05/06/2023 06:40	0.2	78	8	0.6	0
05/06/2023 06:50	0.5	108	11	1.2	0
05/06/2023 07:00	0.8	101	10	1.6	0
05/06/2023 07:10	0.4	85	13	0.8	0
05/06/2023 07:20	0.1	103	8	0.5	0
05/06/2023 07:30	0.2	81	10	0.7	0
05/06/2023 07:40	0.2	96	8	0.8	0
05/06/2023 07:50	0.5	93	10	1.2	0
05/06/2023 08:00	0.8	103	14	1.6	0
05/06/2023 08:10	1.1	122	20	1.6	0
05/06/2023 08:20	1	95	21	1.4	0
05/06/2023 08:30	1.7	93	14	2.5	0
05/06/2023 08:40	2.2	92	15	2.9	0
05/06/2023 08:50	2.2	83	13	2.7	0
05/06/2023 09:00	2.3	89	14	3.2	0
05/06/2023 09:10	2.6	96	12	3.4	0
05/06/2023 09:20	2.4	100	12	3.1	0
05/06/2023 09:30	2.5	88	12	3.3	0
05/06/2023 09:40	2.4	95	13	3.2	0
05/06/2023 09:50	2.4	105	14	3.3	0
05/06/2023 10:00	1.9	96	31	2.9	0
05/06/2023 10:10	2	92	28	3.5	0
05/06/2023 10:20	2.5	99	19	3.8	0
05/06/2023 10:30	1.8	128	33	3.2	0
05/06/2023 10:40	1.4	132	63	2.7	0
05/06/2023 10:50	1.5	291	48	2.8	0
05/06/2023 11:00	2.5	77	28	4.3	0
05/06/2023 11:10	3.3	118	16	4.4	0
05/06/2023 11:20	3.1	96	27	4.7	0
05/06/2023 11:30	2.6	214	56	4.8	0
05/06/2023 11:40	2.5	130	51	4	0
05/06/2023 11:50	2.5	93	24	3.6	0
05/06/2023 12:00	1.4	176	59	2.6	0
05/06/2023 12:10	2.6	254	17	4	0
05/06/2023 12:20	3.1	266	19	4.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/06/2023 12:30	3.3	271	16	4.8	0
05/06/2023 12:40	3.3	264	19	4.8	0
05/06/2023 12:50	3.2	249	17	4.5	0
05/06/2023 13:00	3.5	236	13	4.9	0
05/06/2023 13:10	3.8	244	16	5.1	0
05/06/2023 13:20	3.4	247	16	4.4	0
05/06/2023 13:30	3.6	261	12	5	0
05/06/2023 13:40	3.7	258	13	4.8	0
05/06/2023 13:50	4	264	17	6	0
05/06/2023 14:00	4.2	266	15	5.8	0
05/06/2023 14:10	4.6	264	12	5.9	0
05/06/2023 14:20	4.7	262	14	6.4	0
05/06/2023 14:30	4.4	253	13	6	0
05/06/2023 14:40	4.7	257	13	6.4	0
05/06/2023 14:50	4.2	252	14	5.8	0
05/06/2023 15:00	4.1	255	12	5.6	0
05/06/2023 15:10	4.4	253	15	6	0
05/06/2023 15:20	4.8	259	14	6.3	0
05/06/2023 15:30	4.8	259	14	7.1	0
05/06/2023 15:40	5.2	258	12	6.7	0
05/06/2023 15:50	5.9	260	12	7.4	0
05/06/2023 16:00	5.9	261	12	7.9	0
05/06/2023 16:10	5.7	261	12	7.9	0
05/06/2023 16:20	5.5	261	13	7.8	0
05/06/2023 16:30	5	258	12	7.2	0
05/06/2023 16:40	5.2	259	12	7.5	0
05/06/2023 16:50	4.9	262	11	6.9	0
05/06/2023 17:00	5.1	258	13	7.5	0
05/06/2023 17:10	5.4	262	11	7.2	0
05/06/2023 17:20	5.7	258	11	7.9	0
05/06/2023 17:30	5.4	254	13	7.3	0
05/06/2023 17:40	5.1	256	11	7.2	0
05/06/2023 17:50	5.4	256	11	7.3	0
05/06/2023 18:00	5.3	256	13	7.2	0
05/06/2023 18:10	5	254	12	6.4	0
05/06/2023 18:20	5.1	255	11	7.3	0
05/06/2023 18:30	4.7	257	12	6.8	0
05/06/2023 18:40	4.8	253	11	7.4	0
05/06/2023 18:50	4.9	256	9	6.8	0
05/06/2023 19:00	4.4	257	11	6.5	0
05/06/2023 19:10	4.6	255	12	5.9	0
05/06/2023 19:20	4.1	254	11	5.8	0
05/06/2023 19:30	3.6	256	12	5	0
05/06/2023 19:40	4.2	252	13	5.6	0
05/06/2023 19:50	4.4	257	10	6.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/06/2023 20:00	3.5	254	12	5	0
05/06/2023 20:10	4	254	12	6.6	0
05/06/2023 20:20	4.1	257	11	5.2	0
05/06/2023 20:30	4.1	259	11	6	0
05/06/2023 20:40	4.1	256	12	5.7	0
05/06/2023 20:50	4.3	254	11	6	0
05/06/2023 21:00	4.2	255	12	5.6	0
05/06/2023 21:10	3.9	257	10	5.6	0
05/06/2023 21:20	4.2	258	11	6.3	0
05/06/2023 21:30	3.4	255	11	4.4	0
05/06/2023 21:40	3.9	258	12	5.2	0
05/06/2023 21:50	3	248	13	4.4	0
05/06/2023 22:00	2.7	249	12	3.6	0
05/06/2023 22:10	2.5	256	12	3.8	0
05/06/2023 22:20	2.9	256	12	4.1	0
05/06/2023 22:30	2.6	251	13	3.7	0
05/06/2023 22:40	2.3	249	12	3.2	0
05/06/2023 22:50	2.5	251	13	3.7	0
05/06/2023 23:00	2.2	252	11	3.3	0
05/06/2023 23:10	2.1	251	13	3.4	0
05/06/2023 23:20	1.9	255	12	3	0
05/06/2023 23:30	1.4	252	12	2.3	0
05/06/2023 23:40	0.6	232	10	1.7	0
05/06/2023 23:50	0	258	3	0.4	0
06/06/2023 00:00	0	222	0	0.4	0
06/06/2023 00:10	0.7	240	16	1.9	0
06/06/2023 00:20	1	255	12	2	0
06/06/2023 00:30	1	254	11	1.5	0
06/06/2023 00:40	0.7	255	9	1.2	0
06/06/2023 00:50	0.8	251	14	1.4	0
06/06/2023 01:00	1	254	14	2.5	0
06/06/2023 01:10	2.6	254	12	4.1	0
06/06/2023 01:20	2.6	247	12	4.1	0
06/06/2023 01:30	3	249	12	4.7	0
06/06/2023 01:40	2.9	243	12	4.1	0
06/06/2023 01:50	1.9	241	15	3.1	0
06/06/2023 02:00	2.3	234	13	3.6	0
06/06/2023 02:10	2.3	236	12	3.3	0
06/06/2023 02:20	2.2	241	14	3	0
06/06/2023 02:30	2.2	238	15	3.6	0
06/06/2023 02:40	2.3	229	20	3.6	0
06/06/2023 02:50	2.5	228	17	4.3	0
06/06/2023 03:00	2.6	224	17	4	0
06/06/2023 03:10	2.6	229	16	4.4	0
06/06/2023 03:20	2.7	224	16	3.9	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/06/2023 03:30	2.3	227	17	3.6	0
06/06/2023 03:40	2.6	225	17	3.6	0
06/06/2023 03:50	2.5	226	17	4.1	0
06/06/2023 04:00	2.4	229	16	3.9	0
06/06/2023 04:10	2.4	231	15	3.6	0
06/06/2023 04:20	2.5	229	16	3.9	0
06/06/2023 04:30	2.2	227	18	3.5	0
06/06/2023 04:40	2.5	231	14	4	0
06/06/2023 04:50	2.3	234	12	3.2	0
06/06/2023 05:00	1.7	239	13	2.8	0
06/06/2023 05:10	2.1	238	16	3.2	0
06/06/2023 05:20	2.6	227	18	4	0
06/06/2023 05:30	2.6	227	18	3.8	0
06/06/2023 05:40	2.6	233	15	3.7	0
06/06/2023 05:50	2.6	238	11	4	0
06/06/2023 06:00	2.3	238	12	3.1	0
06/06/2023 06:10	2.1	242	12	2.8	0
06/06/2023 06:20	2.1	250	11	3.1	0
06/06/2023 06:30	2.3	236	16	3.2	0
06/06/2023 06:40	2	243	12	2.6	0
06/06/2023 06:50	2.2	241	14	3.4	0
06/06/2023 07:00	2.5	233	16	3.5	0
06/06/2023 07:10	2.3	231	13	3.2	0
06/06/2023 07:20	2.4	229	16	3.6	0
06/06/2023 07:30	2.8	224	16	3.9	0
06/06/2023 07:40	2.7	222	17	4.2	0
06/06/2023 07:50	3	222	20	4.1	0
06/06/2023 08:00	3.1	221	14	4	0
06/06/2023 08:10	2.9	221	14	4	0
06/06/2023 08:20	3.3	217	20	4.8	0
06/06/2023 08:30	3.4	215	25	5.1	0
06/06/2023 08:40	3.1	217	27	4.8	0
06/06/2023 08:50	3	224	37	4.7	0
06/06/2023 09:00	2.7	220	45	4.4	0
06/06/2023 09:10	2.8	227	28	4.8	0
06/06/2023 09:20	3.7	220	24	5.5	0
06/06/2023 09:30	3.8	219	29	6	0
06/06/2023 09:40	3.4	227	35	5.4	0
06/06/2023 09:50	3.6	219	24	5.5	0
06/06/2023 10:00	3.9	219	34	5.6	0
06/06/2023 10:10	2.3	200	86	4.5	0
06/06/2023 10:20	3.9	216	26	6	0
06/06/2023 10:30	3.4	211	47	6	0
06/06/2023 10:40	2.8	223	49	5.3	0
06/06/2023 10:50	3.2	223	30	5.1	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/06/2023 11:00	2.6	225	61	4.2	0
06/06/2023 11:10	2.9	227	33	4.9	0
06/06/2023 11:20	3.4	216	34	5.6	0
06/06/2023 11:30	3.8	227	24	6.4	0
06/06/2023 11:40	4	238	17	5.4	0
06/06/2023 11:50	3.7	226	32	5.6	0
06/06/2023 12:00	3.8	226	31	6.1	0
06/06/2023 12:10	4.7	250	13	6.3	0
06/06/2023 12:20	4.1	267	16	6	0
06/06/2023 12:30	4.4	264	15	6.6	0
06/06/2023 12:40	4.4	270	18	6.4	0
06/06/2023 12:50	4.3	274	16	5.7	0
06/06/2023 13:00	4.8	266	15	6.2	0
06/06/2023 13:10	5	264	13	6.7	0
06/06/2023 13:20	5.2	262	13	6.8	0
06/06/2023 13:30	4.5	273	15	6	0
06/06/2023 13:40	4.4	273	17	6	0
06/06/2023 13:50	4.6	266	16	6.4	0
06/06/2023 14:00	4.6	263	15	6.4	0
06/06/2023 14:10	4.9	266	15	6.2	0
06/06/2023 14:20	4.9	270	17	6.7	0
06/06/2023 14:30	4.9	262	15	6.6	0
06/06/2023 14:40	5.7	262	12	7.5	0
06/06/2023 14:50	5.9	262	11	7.6	0
06/06/2023 15:00	5.1	264	13	7.2	0
06/06/2023 15:10	5.4	259	13	7.1	0
06/06/2023 15:20	5.5	260	10	7.2	0
06/06/2023 15:30	5.1	262	11	6.9	0
06/06/2023 15:40	5.2	267	11	7.2	0
06/06/2023 15:50	6	261	10	7.9	0
06/06/2023 16:00	5.2	265	13	6.8	0
06/06/2023 16:10	5.2	263	12	7.2	0
06/06/2023 16:20	5.8	263	10	7.7	0
06/06/2023 16:30	5.9	263	11	7.2	0
06/06/2023 16:40	5.3	261	11	7	0
06/06/2023 16:50	5.3	264	12	7.3	0
06/06/2023 17:00	5.5	262	10	7.6	0
06/06/2023 17:10	5	261	12	7.2	0
06/06/2023 17:20	5.2	262	13	7	0
06/06/2023 17:30	4.7	264	11	6.4	0
06/06/2023 17:40	4.6	254	11	6.4	0
06/06/2023 17:50	4.2	259	13	5.9	0
06/06/2023 18:00	4.7	258	13	6.8	0
06/06/2023 18:10	5.2	253	10	7.4	0
06/06/2023 18:20	5.5	256	12	7.4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/06/2023 18:30	5.6	254	10	7.5	0
06/06/2023 18:40	4.9	256	11	6.9	0
06/06/2023 18:50	4.2	257	13	6.3	0
06/06/2023 19:00	4.1	255	12	5.5	0
06/06/2023 19:10	3.9	253	11	5.6	0
06/06/2023 19:20	4.3	253	14	6.4	0
06/06/2023 19:30	3.9	252	12	6.2	0
06/06/2023 19:40	4.2	250	12	6	0
06/06/2023 19:50	3.7	249	13	5.6	0
06/06/2023 20:00	4	247	13	5.5	0
06/06/2023 20:10	3.4	245	13	5.2	0
06/06/2023 20:20	2.7	242	15	4.1	0
06/06/2023 20:30	2.8	242	14	4.2	0
06/06/2023 20:40	3	243	15	4.5	0
06/06/2023 20:50	2.8	238	14	4	0
06/06/2023 21:00	3	238	16	5	0
06/06/2023 21:10	3.6	239	15	5.4	0
06/06/2023 21:20	3.3	237	15	5.4	0
06/06/2023 21:30	3.3	237	13	4.7	0
06/06/2023 21:40	3.1	239	14	4.7	0
06/06/2023 21:50	3.1	233	16	4.4	0
06/06/2023 22:00	3.2	233	17	4.9	0
06/06/2023 22:10	3	230	15	4.4	0
06/06/2023 22:20	3.1	229	14	4.5	0
06/06/2023 22:30	2.9	229	16	4.4	0
06/06/2023 22:40	2.9	234	15	4.3	0
06/06/2023 22:50	2.7	233	15	3.8	0
06/06/2023 23:00	3.1	235	15	4.5	0
06/06/2023 23:10	2.9	235	13	4.2	0
06/06/2023 23:20	2.9	230	13	3.8	0
06/06/2023 23:30	2.3	239	13	3.3	0
06/06/2023 23:40	1.8	236	15	2.8	0
06/06/2023 23:50	1.7	233	16	2.4	0
07/06/2023 00:00	1.5	236	15	2.2	0
07/06/2023 00:10	0.7	234	14	1.6	0
07/06/2023 00:20	1	247	14	1.6	0
07/06/2023 00:30	0.4	238	6	1.1	0
07/06/2023 00:40	0	289	0	0.4	0
07/06/2023 00:50					0
07/06/2023 01:00	0	218	4	0.5	0
07/06/2023 01:10	0.2	248	12	0.6	0
07/06/2023 01:20	0.3	263	10	0.7	0
07/06/2023 01:30	0.5	252	14	1.1	0
07/06/2023 01:40	0.7	253	14	1.6	0
07/06/2023 01:50	0.8	252	13	1.6	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/06/2023 02:00	1.1	253	11	1.8	0
07/06/2023 02:10	1.6	252	12	2.3	0
07/06/2023 02:20	1.9	267	9	2.4	0
07/06/2023 02:30	2.1	265	8	2.7	0
07/06/2023 02:40	2.9	263	9	3.6	0
07/06/2023 02:50	2.8	258	10	3.9	0
07/06/2023 03:00	2.5	250	11	3.3	0
07/06/2023 03:10	1.4	249	15	2.4	0
07/06/2023 03:20	1.4	255	12	2.1	0
07/06/2023 03:30	1.1	266	10	1.9	0
07/06/2023 03:40	0.5	258	7	1.2	0
07/06/2023 03:50	0.8	251	12	2	0
07/06/2023 04:00	1.8	238	12	2.5	0
07/06/2023 04:10	2.4	229	15	3.6	0
07/06/2023 04:20	2.9	220	17	4	0
07/06/2023 04:30	3.1	220	14	4.3	0
07/06/2023 04:40	3.5	218	17	5.1	0
07/06/2023 04:50	3	220	20	4.2	0
07/06/2023 05:00	2.3	219	18	3.2	0
07/06/2023 05:10	2.4	217	19	3.3	0
07/06/2023 05:20	2.6	222	16	3.6	0
07/06/2023 05:30	2.3	230	21	3.5	0
07/06/2023 05:40	2.5	230	16	3.5	0
07/06/2023 05:50	2.9	231	14	3.9	0
07/06/2023 06:00	2.6	230	19	4.2	0
07/06/2023 06:10	1.3	223	27	2.8	0
07/06/2023 06:20	1.1	245	21	1.6	0
07/06/2023 06:30	0.6	265	15	1.1	0
07/06/2023 06:40	1	269	38	2	0
07/06/2023 06:50	1.9	225	44	2.8	0
07/06/2023 07:00	1.8	163	82	3.2	0
07/06/2023 07:10	1.6	104	79	2.6	0
07/06/2023 07:20	1.6	198	97	3.3	0
07/06/2023 07:30	1.8	91	65	3.2	0
07/06/2023 07:40	1.9	133	54	3.8	0
07/06/2023 07:50	1.6	70	82	3.1	0
07/06/2023 08:00	2.1	137	45	3.7	0
07/06/2023 08:10	2.2	136	52	3.7	0
07/06/2023 08:20	1.9	100	70	3.7	0
07/06/2023 08:30	2.2	129	65	3.9	0
07/06/2023 08:40	2.2	137	49	4.2	0
07/06/2023 08:50	2.1	128	61	3.6	0
07/06/2023 09:00	2	89	59	3.2	0
07/06/2023 09:10	2.7	140	23	4.1	0
07/06/2023 09:20	3.1	143	23	4.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/06/2023 09:30	3.3	135	21	4.6	0
07/06/2023 09:40	3.2	144	28	4.9	0
07/06/2023 09:50	2.4	135	44	4.3	0
07/06/2023 10:00	3	133	31	5.1	0
07/06/2023 10:10	3	137	31	4.6	0
07/06/2023 10:20	3	138	21	4.7	0
07/06/2023 10:30	2.6	135	50	4.5	0
07/06/2023 10:40	2.5	144	49	4.2	0
07/06/2023 10:50	2.4	174	53	4.3	0
07/06/2023 11:00	2.8	223	32	4.9	0
07/06/2023 11:10	2.1	179	62	3.5	0
07/06/2023 11:20	2.1	179	63	4	0
07/06/2023 11:30	2.6	201	49	3.8	0
07/06/2023 11:40	2.5	206	51	5.1	0
07/06/2023 11:50	2.2	220	48	3.7	0
07/06/2023 12:00	2.6	229	40	4	0
07/06/2023 12:10	1.8	147	49	3.3	0
07/06/2023 12:20	2.4	136	39	3.8	0
07/06/2023 12:30	2.1	71	46	3.5	0
07/06/2023 12:40	2.8	104	31	4	0
07/06/2023 12:50	2	141	52	2.9	0
07/06/2023 13:00	1.8	164	53	3.4	0
07/06/2023 13:10	1.8	86	43	2.9	0
07/06/2023 13:20	1.7	146	55	3.1	0
07/06/2023 13:30	2.2	201	41	3.3	0
07/06/2023 13:40	3.5	297	25	5	0
07/06/2023 13:50	3.1	306	24	4.2	0
07/06/2023 14:00	3.1	307	14	4.4	0
07/06/2023 14:10	3.2	310	18	4.4	0
07/06/2023 14:20	2.9	315	17	4.1	0
07/06/2023 14:30	3.6	298	14	4.9	0
07/06/2023 14:40	3.8	299	15	5	0
07/06/2023 14:50	3.5	312	15	4.8	0
07/06/2023 15:00	3.7	310	16	5.3	0
07/06/2023 15:10	3.7	310	15	5.4	0
07/06/2023 15:20	3.7	315	14	4.8	0
07/06/2023 15:30	3.6	312	16	5.4	0
07/06/2023 15:40	3.2	310	15	4.6	0
07/06/2023 15:50	3.8	304	15	5.3	0
07/06/2023 16:00	3.4	309	16	4.6	0
07/06/2023 16:10	3.3	309	16	4.6	0
07/06/2023 16:20	3.4	302	17	4.9	0
07/06/2023 16:30	2.8	315	22	4.5	0
07/06/2023 16:40	2.9	305	24	4.2	0
07/06/2023 16:50	3	308	16	3.9	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/06/2023 17:00	3.2	299	13	4.3	0
07/06/2023 17:10	3.1	300	13	4.4	0
07/06/2023 17:20	3.2	299	12	4.2	0
07/06/2023 17:30	2.9	301	14	4.1	0
07/06/2023 17:40	3	301	13	4.3	0
07/06/2023 17:50	2.5	307	17	3.9	0
07/06/2023 18:00	2.9	302	16	4.2	0
07/06/2023 18:10	2.7	308	15	4.1	0
07/06/2023 18:20	2.5	307	17	3.6	0
07/06/2023 18:30	2.7	300	14	4.2	0
07/06/2023 18:40	2.5	307	15	3.5	0
07/06/2023 18:50	1.9	318	17	3	0
07/06/2023 19:00	2.8	297	12	3.9	0
07/06/2023 19:10	2.7	301	12	3.8	0
07/06/2023 19:20	2.6	303	14	3.7	0
07/06/2023 19:30	2.7	297	13	4	0
07/06/2023 19:40	2.8	299	13	4.1	0
07/06/2023 19:50	2.6	302	16	3.8	0
07/06/2023 20:00	2.6	302	14	3.6	0
07/06/2023 20:10	2.9	295	10	3.8	0
07/06/2023 20:20	2.3	292	15	3.5	0
07/06/2023 20:30	2	286	14	2.9	0
07/06/2023 20:40	2.2	285	14	3.2	0
07/06/2023 20:50	1.9	267	13	2.9	0
07/06/2023 21:00	2.2	269	11	2.9	0
07/06/2023 21:10	2.2	262	9	2.9	0
07/06/2023 21:20	1.8	265	10	2.4	0
07/06/2023 21:30	1.8	265	10	2.5	0
07/06/2023 21:40	2.1	262	7	2.5	0
07/06/2023 21:50	2	263	9	2.6	0
07/06/2023 22:00	1.7	267	10	2.1	0
07/06/2023 22:10	1.5	271	12	2	0
07/06/2023 22:20	1.4	275	12	1.9	0
07/06/2023 22:30	1.5	264	8	2.1	0
07/06/2023 22:40	1.9	263	7	2.3	0
07/06/2023 22:50	1.7	266	5	2	0
07/06/2023 23:00	1.7	268	8	2.1	0
07/06/2023 23:10	1.8	266	8	2.3	0
07/06/2023 23:20	1.2	282	7	1.7	0
07/06/2023 23:30	1.8	268	6	2.4	0
07/06/2023 23:40	2.3	260	6	2.7	0
07/06/2023 23:50	1.5	264	11	2.1	0
08/06/2023 00:00	1.4	247	17	2	0
08/06/2023 00:10	1.2	251	11	1.5	0
08/06/2023 00:20	0.8	268	24	1.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/06/2023 00:30					0
08/06/2023 00:40					0
08/06/2023 00:50	0.2	296	1	0.9	0
08/06/2023 01:00	0.5	297	3	0.8	0
08/06/2023 01:10					0
08/06/2023 01:20	0	262	1	0.4	0
08/06/2023 01:30	0.1	285	4	0.4	0
08/06/2023 01:40	0	290	1	0.4	0
08/06/2023 01:50	0.1	291	3	0.4	0
08/06/2023 02:00	0	244	0	0.4	0
08/06/2023 02:10					0
08/06/2023 02:20	0.3	204	22	0.8	0
08/06/2023 02:30	0	205	1	0.5	0
08/06/2023 02:40	0.2	197	16	0.6	0
08/06/2023 02:50	0.4	299	9	0.8	0
08/06/2023 03:00	0.2	290	4	0.8	0
08/06/2023 03:10	0.1	291	4	0.6	0
08/06/2023 03:20	0.2	291	5	0.8	0
08/06/2023 03:30	0.5	298	7	0.8	0
08/06/2023 03:40	0.3	209	6	1	0
08/06/2023 03:50	1	120	13	2	0
08/06/2023 04:00	2.1	115	10	3.2	0
08/06/2023 04:10	2.5	110	10	3.3	0
08/06/2023 04:20	2.4	105	10	3.4	0
08/06/2023 04:30	2	105	9	2.8	0
08/06/2023 04:40	2.1	98	10	2.8	0
08/06/2023 04:50	1.2	107	11	1.9	0
08/06/2023 05:00	1.7	93	10	2.7	0
08/06/2023 05:10	2.4	102	7	3.2	0
08/06/2023 05:20	2	96	8	2.6	0
08/06/2023 05:30	1.8	92	9	2.5	0
08/06/2023 05:40	1.8	97	10	2.4	0
08/06/2023 05:50	1.9	103	11	2.9	0
08/06/2023 06:00	2.1	105	9	2.9	0
08/06/2023 06:10	1.9	96	8	2.6	0
08/06/2023 06:20	2	100	10	2.5	0
08/06/2023 06:30	2.7	95	12	3.9	0
08/06/2023 06:40	2.8	94	11	4.1	0
08/06/2023 06:50	3.3	92	10	4.5	0
08/06/2023 07:00	3.5	94	11	4.8	0
08/06/2023 07:10	3.6	96	10	4.8	0
08/06/2023 07:20	3.4	94	10	4.8	0
08/06/2023 07:30	3.3	92	9	4.4	0
08/06/2023 07:40	3.3	96	10	4.6	0
08/06/2023 07:50	3.6	90	12	4.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/06/2023 08:00	3.5	89	12	4.9	0
08/06/2023 08:10	3.3	91	11	4.5	0
08/06/2023 08:20	3.5	91	12	4.9	0
08/06/2023 08:30	3.4	95	11	4.5	0
08/06/2023 08:40	3.7	94	13	5.4	0
08/06/2023 08:50	4.8	89	12	7.6	0
08/06/2023 09:00	5.2	93	13	6.8	0
08/06/2023 09:10	5	96	12	6.5	0
08/06/2023 09:20	5.4	113	11	7.2	0
08/06/2023 09:30	5.6	113	10	7.3	0
08/06/2023 09:40	4.8	112	13	6.3	0
08/06/2023 09:50	4.9	109	12	6.8	0
08/06/2023 10:00	5.8	104	12	7.4	0
08/06/2023 10:10	5.9	102	11	7.8	0
08/06/2023 10:20	5.5	103	14	7.5	0
08/06/2023 10:30	5.9	97	12	8.1	0
08/06/2023 10:40	6.2	92	12	8.3	0
08/06/2023 10:50	5.8	88	12	7.7	0
08/06/2023 11:00	5.7	86	12	7.5	0
08/06/2023 11:10	5.7	87	13	7.6	0
08/06/2023 11:20	5.9	85	12	8	0
08/06/2023 11:30	6.1	85	12	8.1	0
08/06/2023 11:40	6.1	83	12	8.3	0
08/06/2023 11:50	5.7	84	13	7.5	0
08/06/2023 12:00	5.8	89	13	7.6	0
08/06/2023 12:10	5.5	88	12	7.4	0
08/06/2023 12:20	5	86	16	6.9	0
08/06/2023 12:30	5.1	77	14	7.2	0
08/06/2023 12:40	5.2	80	13	6.9	0
08/06/2023 12:50	5.2	81	14	7.6	0
08/06/2023 13:00	5.6	83	10	8	0
08/06/2023 13:10	5.2	80	13	7	0
08/06/2023 13:20	5.3	84	11	7.2	0
08/06/2023 13:30	4.9	84	13	6.4	0
08/06/2023 13:40	4.5	77	12	6.2	0
08/06/2023 13:50	4.9	77	13	6.5	0
08/06/2023 14:00	5.1	74	12	7.3	0
08/06/2023 14:10	5	73	11	7.2	0
08/06/2023 14:20	5	69	13	6.8	0
08/06/2023 14:30	5	70	12	6.5	0
08/06/2023 14:40	4.8	69	14	6.4	0
08/06/2023 14:50	5	71	11	6.6	0
08/06/2023 15:00	5	70	11	6.8	0
08/06/2023 15:10	5.1	68	11	6.7	0
08/06/2023 15:20	4.6	65	12	6	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/06/2023 15:30	5	73	10	6.5	0
08/06/2023 15:40	4.3	62	14	6.3	0
08/06/2023 15:50	4.6	60	12	6.3	0
08/06/2023 16:00	4.2	56	12	5.8	0
08/06/2023 16:10	4.1	60	12	5.3	0
08/06/2023 16:20	4	56	13	5.6	0
08/06/2023 16:30	4.2	56	10	5.3	0
08/06/2023 16:40	4.1	60	10	5.2	0
08/06/2023 16:50	4.1	60	10	5.2	0
08/06/2023 17:00	3.8	58	11	5.2	0
08/06/2023 17:10	3.6	48	11	4.7	0
08/06/2023 17:20	3.4	53	11	4.7	0
08/06/2023 17:30	3.1	58	9	4.1	0
08/06/2023 17:40	2.3	54	12	3.1	0
08/06/2023 17:50	1.8	39	10	2.6	0
08/06/2023 18:00	1.3	20	17	2	0
08/06/2023 18:10	1.3	181	18	2	0
08/06/2023 18:20	1.3	17	15	1.8	0
08/06/2023 18:30	1.4	14	15	2	0
08/06/2023 18:40	1.1	24	20	1.6	0
08/06/2023 18:50	1	133	25	1.8	0
08/06/2023 19:00	1.3	224	19	1.8	0
08/06/2023 19:10	0.4	257	22	0.9	0
08/06/2023 19:20					0
08/06/2023 19:30	0.6	327	3	1.1	0
08/06/2023 19:40	0.8	337	9	1	0
08/06/2023 19:50	0.1	331	5	0.6	0
08/06/2023 20:00	0.5	164	12	1	0
08/06/2023 20:10	0.5	40	17	0.8	0
08/06/2023 20:20	0.8	38	7	1.3	0
08/06/2023 20:30	1	37	13	1.2	0
08/06/2023 20:40	0.7	33	9	1.1	0
08/06/2023 20:50	0.6	241	14	1.1	0
08/06/2023 21:00	0.7	254	12	0.9	0
08/06/2023 21:10	1.5	247	14	2.1	0
08/06/2023 21:20	1.7	241	10	2.2	0
08/06/2023 21:30	1.4	249	10	1.8	0
08/06/2023 21:40	1	234	19	1.4	0
08/06/2023 21:50	0.8	250	17	1.2	0
08/06/2023 22:00	1.1	240	10	1.3	0
08/06/2023 22:10	1.6	236	12	2.4	0
08/06/2023 22:20	1.3	242	14	1.9	0
08/06/2023 22:30	1.2	239	14	1.8	0
08/06/2023 22:40	0.6	249	13	1.2	0
08/06/2023 22:50	0.7	234	15	1.4	0



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/06/2023 23:00	0.8	264	5	1.7	0
08/06/2023 23:10	1.6	256	9	1.9	0
08/06/2023 23:20	1.1	263	10	1.6	0
08/06/2023 23:30	1.3	269	8	1.6	0
08/06/2023 23:40	1	275	6	1.4	0
08/06/2023 23:50					0
09/06/2023 00:00	0.3	296	2	1.1	0
09/06/2023 00:10	0.9	294	10	1.1	0
09/06/2023 00:20	0.3	304	1	0.8	0
09/06/2023 00:30	0.5	299	3	1	0
09/06/2023 00:40	0.7	288	16	1.2	0
09/06/2023 00:50	0.6	244	28	1.6	0
09/06/2023 01:00	0.3	148	39	1	0
09/06/2023 01:10	1.2	247	24	2	0
09/06/2023 01:20	0.6	198	51	1	0
09/06/2023 01:30	0.7	229	40	1.6	0
09/06/2023 01:40	0.6	221	81	1.2	0
09/06/2023 01:50	0.9	241	57	1.6	0
09/06/2023 02:00	1	246	32	1.8	0
09/06/2023 02:10	0.9	248	49	1.5	0
09/06/2023 02:20	0.5	260	32	1.1	0
09/06/2023 02:30	0.7	161	51	1.9	0
09/06/2023 02:40	1	230	50	1.9	0
09/06/2023 02:50	2.8	116	18	5.1	0
09/06/2023 03:00	1.6	80	22	2.8	0
09/06/2023 03:10	1.8	83	13	3	0
09/06/2023 03:20	2.4	96	13	3.6	0
09/06/2023 03:30	2.4	107	12	3.7	0
09/06/2023 03:40	1.6	109	18	2.4	0
09/06/2023 03:50	2	111	12	2.9	0
09/06/2023 04:00	2.4	142	27	3.5	0
09/06/2023 04:10	2.1	133	17	3	0
09/06/2023 04:20	2.4	112	12	3.8	0
09/06/2023 04:30	3.2	102	13	4.9	0
09/06/2023 04:40	3.6	98	11	5.5	0
09/06/2023 04:50	3.5	102	10	4.9	0
09/06/2023 05:00	2.4	100	11	3.2	0
09/06/2023 05:10	2.3	110	9	3.2	0
09/06/2023 05:20	2.4	116	9	3.3	0
09/06/2023 05:30	2	93	12	2.6	0
09/06/2023 05:40	1.6	95	15	2.1	0
09/06/2023 05:50	1.6	110	16	2.4	0
09/06/2023 06:00	1.7	102	11	2.1	0
09/06/2023 06:10	2	106	9	2.7	0
09/06/2023 06:20	2.3	118	10	3.1	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/06/2023 06:30	2.2	118	13	3.4	0
09/06/2023 06:40	2.6	125	12	3.4	0
09/06/2023 06:50	2.4	128	13	3.4	0
09/06/2023 07:00	2.7	130	13	3.6	0
09/06/2023 07:10	2.1	119	13	2.9	0
09/06/2023 07:20	1.7	116	12	2.3	0
09/06/2023 07:30	1.7	120	11	2.3	0
09/06/2023 07:40	2.8	108	13	4.5	0
09/06/2023 07:50	4	99	12	5.3	0
09/06/2023 08:00	3.8	105	13	4.9	0
09/06/2023 08:10	3.2	104	11	4.4	0
09/06/2023 08:20	3.9	103	10	5.3	0
09/06/2023 08:30	5	104	9	6.7	0
09/06/2023 08:40	5.1	106	10	6.5	0
09/06/2023 08:50	5.4	106	10	7.2	0
09/06/2023 09:00	5.2	108	12	7.2	0
09/06/2023 09:10	5.2	109	11	7.1	0
09/06/2023 09:20	5.4	107	11	7.2	0
09/06/2023 09:30	5.3	103	12	7	0
09/06/2023 09:40	5.3	107	10	7.1	0
09/06/2023 09:50	5	108	13	6.4	0
09/06/2023 10:00	5	100	12	7.1	0
09/06/2023 10:10	5	96	12	6.8	0
09/06/2023 10:20	5.5	98	11	7.9	0
09/06/2023 10:30	5.9	99	12	8.6	0
09/06/2023 10:40	5.9	93	12	8	0
09/06/2023 10:50	5.2	101	12	7.2	0
09/06/2023 11:00	5.5	89	11	7.8	0
09/06/2023 11:10	5.8	101	12	7.8	0
09/06/2023 11:20	5.6	88	11	7.3	0
09/06/2023 11:30	5.8	84	11	7.5	0
09/06/2023 11:40	5.5	84	12	7.5	0
09/06/2023 11:50	5.6	83	11	7.3	0
09/06/2023 12:00	5.6	91	11	7.4	0
09/06/2023 12:10	4.7	82	14	6.9	0
09/06/2023 12:20	5.2	78	12	6.9	0
09/06/2023 12:30	5.1	80	13	7	0
09/06/2023 12:40	5	73	13	6.8	0
09/06/2023 12:50	4.9	82	13	6.4	0
09/06/2023 13:00	4.8	84	13	6.4	0
09/06/2023 13:10	5.1	83	13	6.9	0
09/06/2023 13:20	5.2	80	14	6.8	0
09/06/2023 13:30	4.7	83	13	6.2	0
09/06/2023 13:40	4.8	85	13	6.6	0
09/06/2023 13:50	4.7	84	13	6.3	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/06/2023 14:00	4.7	82	13	7	0
09/06/2023 14:10	4.3	85	14	6.2	0
09/06/2023 14:20	4.2	71	14	5.9	0
09/06/2023 14:30	4.3	66	13	5.9	0
09/06/2023 14:40	4.1	68	14	5.6	0
09/06/2023 14:50	4.4	70	11	5.6	0
09/06/2023 15:00	4.1	63	13	5.6	0
09/06/2023 15:10	4	67	15	5.5	0
09/06/2023 15:20	4.4	71	13	5.8	0
09/06/2023 15:30	4	75	12	5.2	0
09/06/2023 15:40	4.2	79	12	5.5	0
09/06/2023 15:50	3.4	81	15	4.8	0
09/06/2023 16:00	3.3	78	11	4.6	0
09/06/2023 16:10	3.3	77	12	4.7	0
09/06/2023 16:20	3.4	77	11	4.5	0
09/06/2023 16:30	3.3	78	12	4.2	0
09/06/2023 16:40	2.8	73	10	3.8	0
09/06/2023 16:50	2.3	87	13	3	0
09/06/2023 17:00	2.4	79	11	3.2	0
09/06/2023 17:10	2.6	74	11	3.6	0
09/06/2023 17:20	2.2	81	11	2.8	0
09/06/2023 17:30	2.3	80	11	2.9	0
09/06/2023 17:40	2.2	77	10	3	0
09/06/2023 17:50	2	76	10	2.7	0
09/06/2023 18:00	1.5	104	13	2	0
09/06/2023 18:10	1.3	82	7	1.6	0
09/06/2023 18:20	1.7	48	9	2	0
09/06/2023 18:30	2.2	40	9	2.8	0
09/06/2023 18:40	1.9	31	11	2.5	0
09/06/2023 18:50	1.4	28	17	1.9	0
09/06/2023 19:00	1.2	258	33	1.7	0
09/06/2023 19:10	1	230	13	1.6	0
09/06/2023 19:20	0.2	155	3	0.9	0
09/06/2023 19:30	0.9	113	13	1.2	0
09/06/2023 19:40	0.4	210	6	0.9	0
09/06/2023 19:50	1.2	304	6	1.4	0
09/06/2023 20:00	0.6	203	22	0.8	0
09/06/2023 20:10	0.7	295	7	0.9	0
09/06/2023 20:20	0.6	270	12	0.9	0
09/06/2023 20:30	0.7	281	7	1	0
09/06/2023 20:40	0.6	277	6	0.8	0
09/06/2023 20:50	0.4	287	8	0.8	0
09/06/2023 21:00	0	284	2	0.4	0
09/06/2023 21:10	0.8	285	7	1.1	0
09/06/2023 21:20	0.8	294	5	1	0



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/06/2023 21:30	0.3	241	6	0.7	0
09/06/2023 21:40					0
09/06/2023 21:50	1.4	262	11	2.1	0
09/06/2023 22:00	2	250	16	2.9	0
09/06/2023 22:10	1.3	231	14	1.9	0
09/06/2023 22:20	1.3	257	12	1.6	0
09/06/2023 22:30	1.4	262	9	1.9	0
09/06/2023 22:40	1.2	239	12	1.6	0
09/06/2023 22:50	1.5	226	10	2	0
09/06/2023 23:00	1.1	231	13	1.6	0
09/06/2023 23:10	1	270	12	1.3	0
09/06/2023 23:20	1.5	284	8	1.8	0
09/06/2023 23:30	0.9	259	21	1.9	0
09/06/2023 23:40	2.1	242	11	2.9	0
09/06/2023 23:50	1.9	236	12	2.8	0
10/06/2023 00:00	1.7	238	10	2.3	0
10/06/2023 00:10	1.9	246	10	2.8	0
10/06/2023 00:20	2.3	248	14	3	0
10/06/2023 00:30	1.4	235	16	2	0
10/06/2023 00:40	2	242	11	2.8	0
10/06/2023 00:50	1.4	239	14	2.4	0
10/06/2023 01:00	1.5	232	18	2.1	0
10/06/2023 01:10	2	240	10	2.6	0
10/06/2023 01:20	1.4	248	11	1.9	0
10/06/2023 01:30	1.4	238	11	1.8	0
10/06/2023 01:40	1.6	246	10	2.1	0
10/06/2023 01:50	2.3	248	10	3.6	0
10/06/2023 02:00	2.1	249	11	2.8	0
10/06/2023 02:10	1.8	246	12	2.5	0
10/06/2023 02:20	2	249	10	2.6	0
10/06/2023 02:30	1.6	247	11	2	0
10/06/2023 02:40	1.7	248	11	2.4	0
10/06/2023 02:50	1.6	237	17	2.4	0
10/06/2023 03:00	1.4	233	22	2.1	0
10/06/2023 03:10	1.6	238	14	2.2	0
10/06/2023 03:20	0.6	208	27	1.4	0
10/06/2023 03:30	0.6	123	13	1.2	0
10/06/2023 03:40	0.3	115	17	0.8	0
10/06/2023 03:50	0	137	0	0.4	0
10/06/2023 04:00	0.9	137	26	1.5	0
10/06/2023 04:10	0.6	152	73	1.1	0
10/06/2023 04:20	0.6	306	11	1.1	0
10/06/2023 04:30	1	233	16	1.8	0
10/06/2023 04:40	1.4	253	12	1.9	0
10/06/2023 04:50	0.5	209	14	1	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/06/2023 05:00	0.5	290	5	1	0
10/06/2023 05:10					0
10/06/2023 05:20					0
10/06/2023 05:30	0	285	0	0.4	0
10/06/2023 05:40	0.6	271	12	1.1	0
10/06/2023 05:50	0.5	186	10	1	0
10/06/2023 06:00	0.2	300	11	0.7	0
10/06/2023 06:10	0.3	207	5	0.8	0
10/06/2023 06:20					0
10/06/2023 06:30					0
10/06/2023 06:40	0.8	316	14	1.3	0
10/06/2023 06:50	0.4	332	19	0.6	0
10/06/2023 07:00	0.1	293	6	0.9	0
10/06/2023 07:10	0.7	287	12	1.4	0
10/06/2023 07:20					0
10/06/2023 07:30	0.7	295	8	1.1	0
10/06/2023 07:40	0.2	212	14	0.8	0
10/06/2023 07:50	0.7	114	23	1.1	0
10/06/2023 08:00	0.4	186	24	0.9	0
10/06/2023 08:10	1.9	125	12	2.8	0
10/06/2023 08:20	1.7	137	18	2.3	0
10/06/2023 08:30	2	131	17	2.8	0
10/06/2023 08:40	1.9	132	16	2.5	0
10/06/2023 08:50	1.7	136	17	2.4	0
10/06/2023 09:00	1.9	117	14	2.8	0
10/06/2023 09:10	1.9	134	22	3.1	0
10/06/2023 09:20	1.7	136	36	2.5	0
10/06/2023 09:30	1.4	136	56	2.7	0
10/06/2023 09:40	2.9	134	24	4.2	0
10/06/2023 09:50	2.7	140	26	4.6	0
10/06/2023 10:00	2.8	137	25	4.1	0
10/06/2023 10:10	2.3	127	25	3.6	0
10/06/2023 10:20	2.5	135	37	3.8	0
10/06/2023 10:30	2.9	137	29	4.3	0
10/06/2023 10:40	2.8	122	20	4.8	0
10/06/2023 10:50	2.8	117	18	4.1	0
10/06/2023 11:00	3.1	103	18	4.4	0
10/06/2023 11:10	3	107	18	4.2	0
10/06/2023 11:20	2.6	94	20	3.7	0
10/06/2023 11:30	3.2	94	14	4.6	0
10/06/2023 11:40	3.4	83	14	4.8	0
10/06/2023 11:50	3.6	87	12	4.8	0
10/06/2023 12:00	3.2	84	14	4.8	0
10/06/2023 12:10	3.3	75	16	4.9	0
10/06/2023 12:20	3.3	77	15	4.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/06/2023 12:30	4	77	12	5.5	0
10/06/2023 12:40	4	81	12	5.6	0
10/06/2023 12:50	4.1	83	14	5.9	0
10/06/2023 13:00	4	82	13	5.4	0
10/06/2023 13:10	4	71	11	5.2	0
10/06/2023 13:20	3.7	86	13	4.9	0
10/06/2023 13:30	3.6	87	14	4.7	0
10/06/2023 13:40	3.8	87	13	5	0
10/06/2023 13:50	3.4	88	15	4.3	0
10/06/2023 14:00	3.3	90	15	4.5	0
10/06/2023 14:10	3.3	89	15	4.6	0
10/06/2023 14:20	3.6	85	13	4.9	0
10/06/2023 14:30	2.8	67	19	4.2	0
10/06/2023 14:40	2.5	51	21	3.6	0
10/06/2023 14:50	2.4	65	19	3.6	0
10/06/2023 15:00	2.3	55	37	3.6	0
10/06/2023 15:10	2.7	337	16	3.9	0
10/06/2023 15:20	3	337	17	4	0
10/06/2023 15:30	2.9	167	18	3.9	0
10/06/2023 15:40	2.9	174	23	4	0
10/06/2023 15:50	3.2	343	21	4.5	0
10/06/2023 16:00	3.2	343	20	4.8	0
10/06/2023 16:10	2.9	343	20	4.1	0
10/06/2023 16:20	3	339	18	4.4	0
10/06/2023 16:30	3.3	337	14	4.3	0
10/06/2023 16:40	3.4	341	15	4.7	0
10/06/2023 16:50	3.6	333	13	4.8	0
10/06/2023 17:00	3.5	339	15	4.8	0
10/06/2023 17:10	3	334	15	4.2	0
10/06/2023 17:20	2.8	320	15	4	0
10/06/2023 17:30	3.8	300	9	4.9	0
10/06/2023 17:40	3.1	309	15	4.8	0
10/06/2023 17:50	3.2	305	13	4.4	0
10/06/2023 18:00	3.2	301	13	4.4	0
10/06/2023 18:10	2.7	292	15	3.7	0
10/06/2023 18:20	2.4	278	15	3.5	0
10/06/2023 18:30	2.4	267	12	3.3	0
10/06/2023 18:40	2.6	259	9	3.6	0
10/06/2023 18:50	2.5	255	12	3.4	0
10/06/2023 19:00	2.9	262	10	3.8	0
10/06/2023 19:10	3.1	264	10	4.4	0
10/06/2023 19:20	3.1	260	10	3.8	0
10/06/2023 19:30	2.7	262	9	3.8	0
10/06/2023 19:40	2.6	263	10	3.9	0
10/06/2023 19:50	3	264	11	4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/06/2023 20:00	2.5	257	11	3.3	0
10/06/2023 20:10	2.8	257	10	3.8	0
10/06/2023 20:20	2.5	259	12	3.3	0
10/06/2023 20:30	2.2	254	10	3.2	0
10/06/2023 20:40	2.6	256	11	3.5	0
10/06/2023 20:50	2.4	250	11	3.2	0
10/06/2023 21:00	1.8	248	11	2.4	0
10/06/2023 21:10	2.2	247	10	3.2	0
10/06/2023 21:20	1.5	254	11	2.1	0
10/06/2023 21:30	2.5	254	13	3.2	0
10/06/2023 21:40	2.3	257	10	2.8	0
10/06/2023 21:50	2.3	258	10	3.2	0
10/06/2023 22:00	2.1	259	11	2.9	0
10/06/2023 22:10	2.5	253	11	3.2	0
10/06/2023 22:20	1.8	258	10	2.4	0
10/06/2023 22:30	1.7	263	7	2.2	0
10/06/2023 22:40	1.6	273	8	2	0
10/06/2023 22:50	2	269	8	2.7	0
10/06/2023 23:00	1.7	265	9	2.3	0
10/06/2023 23:10	2	257	10	2.6	0
10/06/2023 23:20	2.3	263	8	2.9	0
10/06/2023 23:30	2.4	262	10	3.1	0
10/06/2023 23:40	2.7	257	9	3.6	0
10/06/2023 23:50	3.1	258	9	4	0
11/06/2023 00:00	3	256	11	3.9	0
11/06/2023 00:10	2.5	249	10	3.2	0
11/06/2023 00:20	2	246	13	2.8	0
11/06/2023 00:30	2.4	254	11	3.2	0
11/06/2023 00:40	2.2	254	11	3	0
11/06/2023 00:50	2.8	256	11	3.6	0
11/06/2023 01:00	2.8	255	11	4	0
11/06/2023 01:10	1.6	255	15	2.4	0
11/06/2023 01:20	2.3	252	9	3	0
11/06/2023 01:30	2.4	251	11	3.1	0
11/06/2023 01:40	1.8	252	12	2.5	0
11/06/2023 01:50	2	249	12	2.7	0
11/06/2023 02:00	2	255	10	2.8	0
11/06/2023 02:10	2.1	249	7	2.8	0
11/06/2023 02:20	2.3	247	11	3.2	0
11/06/2023 02:30	2.7	250	11	3.7	0
11/06/2023 02:40	2.2	249	10	2.8	0
11/06/2023 02:50	2.2	249	10	2.8	0
11/06/2023 03:00	2.1	248	9	2.9	0
11/06/2023 03:10	2.1	244	12	2.8	0
11/06/2023 03:20	2	248	13	2.8	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/06/2023 03:30	2.3	252	11	3.2	0
11/06/2023 03:40	2.4	251	9	3	0
11/06/2023 03:50	2.2	244	11	2.9	0
11/06/2023 04:00	2.1	236	13	2.7	0
11/06/2023 04:10	1.7	240	12	2.2	0
11/06/2023 04:20	2	242	13	2.9	0
11/06/2023 04:30	2.4	235	12	3.6	0
11/06/2023 04:40	2.4	238	13	3.2	0
11/06/2023 04:50	2.3	243	11	3.2	0
11/06/2023 05:00	2.4	237	10	3.5	0
11/06/2023 05:10	2	244	12	2.6	0
11/06/2023 05:20	1.8	240	11	2.4	0
11/06/2023 05:30	1.5	235	18	2.4	0
11/06/2023 05:40	0.4	192	30	1.2	0
11/06/2023 05:50	0.2	257	12	0.7	0
11/06/2023 06:00	0.3	252	21	0.8	0
11/06/2023 06:10	0.5	306	10	0.9	0
11/06/2023 06:20	0.7	288	15	1.1	0
11/06/2023 06:30	0.9	300	10	1.2	0
11/06/2023 06:40	0.5	290	10	0.9	0
11/06/2023 06:50	0.5	302	4	1.1	0
11/06/2023 07:00	0.6	306	5	1.2	0
11/06/2023 07:10	0.6	306	5	1.1	0
11/06/2023 07:20	0.7	314	6	1.1	0
11/06/2023 07:30	0.4	311	7	1.1	0
11/06/2023 07:40					0
11/06/2023 07:50					0
11/06/2023 08:00	0.1	138	4	0.8	0
11/06/2023 08:10	0.4	133	9	0.8	0
11/06/2023 08:20	0.9	141	21	1.7	0
11/06/2023 08:30	0.6	184	33	1.2	0
11/06/2023 08:40	0.2	192	13	1.1	0
11/06/2023 08:50	0.8	214	44	1.4	0
11/06/2023 09:00	0.7	210	27	1.4	0
11/06/2023 09:10	0.9	205	50	1.8	0
11/06/2023 09:20	1.4	224	56	2.2	0
11/06/2023 09:30	1.7	226	40	2.8	0
11/06/2023 09:40	2.3	230	21	3	0
11/06/2023 09:50	2.5	225	17	3.4	0
11/06/2023 10:00	2.8	234	19	4.3	0
11/06/2023 10:10	2.9	229	18	4.5	0
11/06/2023 10:20	2.9	239	22	4.2	0
11/06/2023 10:30	3	256	13	4.2	0
11/06/2023 10:40	2.9	253	15	3.8	0
11/06/2023 10:50	3.1	252	15	4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/06/2023 11:00	2.8	259	13	3.9	0
11/06/2023 11:10	3.1	250	19	4.2	0
11/06/2023 11:20	2.6	246	16	3.4	0
11/06/2023 11:30	3.3	253	14	4	0
11/06/2023 11:40	3.1	257	14	4.5	0
11/06/2023 11:50	3.5	266	14	4.5	0
11/06/2023 12:00	3.2	263	19	4.4	0
11/06/2023 12:10	3.4	255	15	4.6	0
11/06/2023 12:20	4	248	16	5.3	0
11/06/2023 12:30	4.5	271	15	6	0
11/06/2023 12:40	4.6	263	14	6.2	0
11/06/2023 12:50	3.9	253	15	5.4	0
11/06/2023 13:00	4.4	255	12	6.3	0
11/06/2023 13:10	4.5	256	12	6.2	0
11/06/2023 13:20	4.2	262	14	5.6	0
11/06/2023 13:30	4.3	261	12	5.4	0
11/06/2023 13:40	4.1	263	14	5.3	0
11/06/2023 13:50	4.3	266	12	5.9	0
11/06/2023 14:00	4.4	264	12	6.2	0
11/06/2023 14:10	5	265	11	6.3	0
11/06/2023 14:20	4.5	262	11	6.3	0
11/06/2023 14:30	4.5	262	11	5.6	0
11/06/2023 14:40	4.6	264	12	6.1	0
11/06/2023 14:50	4.4	257	12	5.8	0
11/06/2023 15:00	4.4	253	11	6	0
11/06/2023 15:10	4.3	249	12	5.6	0
11/06/2023 15:20	4.4	250	13	5.8	0
11/06/2023 15:30	3.9	255	14	5.4	0
11/06/2023 15:40	4.1	259	14	5.2	0
11/06/2023 15:50	4.2	262	13	5.7	0
11/06/2023 16:00	4.2	265	14	5.3	0
11/06/2023 16:10	3.7	264	13	4.9	0
11/06/2023 16:20	3.3	266	13	4.3	0
11/06/2023 16:30	3.4	267	11	4.7	0
11/06/2023 16:40	4.5	260	11	5.8	0
11/06/2023 16:50	4.9	261	10	5.9	0
11/06/2023 17:00	4	265	12	5.3	0
11/06/2023 17:10	3	285	14	3.9	0
11/06/2023 17:20	2.8	290	13	4	0
11/06/2023 17:30	3.3	294	11	4.5	0
11/06/2023 17:40	3.3	297	11	4.7	0
11/06/2023 17:50	3.7	298	12	4.9	0
11/06/2023 18:00	3.8	295	10	5.1	0
11/06/2023 18:10	3.1	293	14	4.7	0
11/06/2023 18:20	3.1	292	12	4.3	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/06/2023 18:30	2.4	291	14	3.2	0
11/06/2023 18:40	2.6	275	16	3.6	0
11/06/2023 18:50	2.6	262	10	3.7	0
11/06/2023 19:00	3	276	15	4.4	0
11/06/2023 19:10	2.9	272	15	4.1	0
11/06/2023 19:20	2.9	274	14	4	0
11/06/2023 19:30	2.9	274	17	4.2	0
11/06/2023 19:40	3.2	273	16	4.6	0
11/06/2023 19:50	2.8	272	14	4	0
11/06/2023 20:00	2.4	274	15	3.2	0
11/06/2023 20:10	2.3	291	16	3.3	0
11/06/2023 20:20	2.2	282	16	3.6	0
11/06/2023 20:30	2.1	289	16	3.2	0
11/06/2023 20:40	2.7	299	13	3.7	0
11/06/2023 20:50	2.5	285	17	3.6	0
11/06/2023 21:00	2.4	281	17	3.2	0
11/06/2023 21:10	2.3	290	14	3.3	0
11/06/2023 21:20	2.1	289	16	3.1	0
11/06/2023 21:30	1.9	282	16	3.2	0
11/06/2023 21:40	1.8	287	20	2.7	0
11/06/2023 21:50	1.9	276	15	2.8	0
11/06/2023 22:00	2.4	278	17	3.9	0
11/06/2023 22:10	2.6	281	14	3.6	0
11/06/2023 22:20	2.3	272	16	2.8	0
11/06/2023 22:30	2.5	272	12	3.6	0
11/06/2023 22:40	3	270	13	4.1	0
11/06/2023 22:50	3	267	10	3.9	0
11/06/2023 23:00	2.7	262	9	3.6	0
11/06/2023 23:10	2.6	262	7	3.5	0
11/06/2023 23:20	2.3	260	8	3.6	0
11/06/2023 23:30	2.3	258	10	3.2	0
11/06/2023 23:40	2.2	260	9	3.2	0
11/06/2023 23:50	2.2	261	8	3.1	0
12/06/2023 00:00	1.8	259	7	2.6	0
12/06/2023 00:10	1.9	266	8	2.6	0
12/06/2023 00:20	2	264	7	2.6	0
12/06/2023 00:30	2.1	269	9	2.8	0
12/06/2023 00:40	2.3	264	9	3.2	0
12/06/2023 00:50	2.1	261	8	2.8	0
12/06/2023 01:00	2.1	256	9	2.7	0
12/06/2023 01:10	1.8	254	11	2.4	0
12/06/2023 01:20	2	256	11	2.7	0
12/06/2023 01:30	1.3	243	13	2	0
12/06/2023 01:40	1.7	250	16	2.7	0
12/06/2023 01:50	1.1	247	18	2.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/06/2023 02:00	1.8	255	9	2.4	0
12/06/2023 02:10	2	257	7	2.5	0
12/06/2023 02:20	2	260	10	2.8	0
12/06/2023 02:30	2.4	256	9	3	0
12/06/2023 02:40	3.2	264	10	4.4	0
12/06/2023 02:50	3.4	259	13	4.5	0
12/06/2023 03:00	3.1	260	11	4.4	0
12/06/2023 03:10	3.2	267	10	4.1	0
12/06/2023 03:20	2.5	274	11	3.3	0
12/06/2023 03:30	2.3	285	10	3.2	0
12/06/2023 03:40	2	288	15	2.5	0
12/06/2023 03:50	1.5	299	13	2	0
12/06/2023 04:00	1.6	295	26	2.4	0
12/06/2023 04:10	1.2	293	19	1.6	0
12/06/2023 04:20	1.1	162	33	1.7	0
12/06/2023 04:30	0.5	192	40	1.2	0
12/06/2023 04:40	1.3	263	27	2	0
12/06/2023 04:50	1.1	238	70	2.5	0
12/06/2023 05:00	1.4	154	85	2.8	0
12/06/2023 05:10	1.3	183	71	2.3	0
12/06/2023 05:20	1.5	296	80	2.3	0
12/06/2023 05:30	1.4	262	89	2	0
12/06/2023 05:40	1.4	9	85	2.6	0
12/06/2023 05:50	1.2	55	79	1.9	0
12/06/2023 06:00	1.2	48	85	2	0
12/06/2023 06:10	1.4	68	90	2.6	0
12/06/2023 06:20	1.2	87	82	2.4	0
12/06/2023 06:30	1.5	122	69	2.8	0
12/06/2023 06:40	1.6	118	71	2.9	0
12/06/2023 06:50	1.9	140	51	3.5	0
12/06/2023 07:00	1.6	122	76	3	0
12/06/2023 07:10	1.6	115	68	2.7	0
12/06/2023 07:20	1.5	129	54	2.4	0
12/06/2023 07:30	1.6	113	18	2.7	0
12/06/2023 07:40	1.9	97	16	2.8	0
12/06/2023 07:50	2.9	110	12	4.1	0
12/06/2023 08:00	3.4	117	13	5.2	0
12/06/2023 08:10	3.1	104	14	4.9	0
12/06/2023 08:20	3.6	87	11	4.4	0
12/06/2023 08:30	3.5	89	13	4.7	0
12/06/2023 08:40	4.4	104	11	6	0
12/06/2023 08:50	4	98	12	5.5	0
12/06/2023 09:00	4.3	95	14	6.3	0
12/06/2023 09:10	4.3	96	13	6	0
12/06/2023 09:20	4.8	94	13	6.7	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/06/2023 09:30	4.7	89	11	6.4	0
12/06/2023 09:40	5.4	93	12	7.4	0
12/06/2023 09:50	5.1	98	13	6.9	0
12/06/2023 10:00	6	90	11	8.1	0
12/06/2023 10:10	5.6	89	12	7.5	0
12/06/2023 10:20	5.7	85	11	7.5	0
12/06/2023 10:30	5.4	88	12	7.6	0
12/06/2023 10:40	5.8	88	12	7.8	0
12/06/2023 10:50	5.3	94	12	7.5	0
12/06/2023 11:00	4.7	95	14	7.1	0
12/06/2023 11:10	5.1	99	13	7.4	0
12/06/2023 11:20	4.7	105	16	7	0
12/06/2023 11:30	4.7	84	12	6.5	0
12/06/2023 11:40	5.2	88	12	7.1	0
12/06/2023 11:50	5.2	91	12	7	0
12/06/2023 12:00	5.3	88	11	7.2	0
12/06/2023 12:10	4.9	89	13	6.9	0
12/06/2023 12:20	5	98	13	6.9	0
12/06/2023 12:30	4.5	84	14	6.3	0
12/06/2023 12:40	5	77	11	6.8	0
12/06/2023 12:50	4.8	83	11	6.4	0
12/06/2023 13:00	4.8	79	12	6.4	0
12/06/2023 13:10	5.3	77	11	6.9	0
12/06/2023 13:20	4.2	86	13	5.7	0
12/06/2023 13:30	4.1	82	11	5.8	0
12/06/2023 13:40	5	78	13	6.5	0
12/06/2023 13:50	5	77	13	7	0
12/06/2023 14:00	5.3	77	9	6.8	0
12/06/2023 14:10	4.8	72	12	6.8	0
12/06/2023 14:20	4.9	78	12	6.9	0
12/06/2023 14:30	4.7	74	14	6.5	0
12/06/2023 14:40	4.8	77	13	7	0
12/06/2023 14:50	4.7	62	13	6.4	0
12/06/2023 15:00	4.3	57	12	5.6	0
12/06/2023 15:10	4.6	57	12	6	0
12/06/2023 15:20	4.6	61	10	5.8	0
12/06/2023 15:30	4.7	59	12	6.1	0
12/06/2023 15:40	4.4	64	13	5.8	0
12/06/2023 15:50	4.2	68	13	5.6	0
12/06/2023 16:00	4.1	72	12	5.4	0
12/06/2023 16:10	3.5	62	13	4.8	0
12/06/2023 16:20	3.4	53	15	4.4	0
12/06/2023 16:30	3	45	12	4	0
12/06/2023 16:40	3	56	12	3.6	0
12/06/2023 16:50	2.9	55	12	4.1	0



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/06/2023 17:00	2.1	36	18	3.2	0
12/06/2023 17:10	2.2	41	12	3.3	0
12/06/2023 17:20	2.2	185	19	3.1	0
12/06/2023 17:30	2.2	341	24	3.2	0
12/06/2023 17:40	2.7	335	16	3.9	0
12/06/2023 17:50	2.1	180	17	3.2	0
12/06/2023 18:00	2	182	17	3	0
12/06/2023 18:10	2	4	15	2.9	0
12/06/2023 18:20	1.5	346	16	2.3	0
12/06/2023 18:30	1.5	346	24	2.4	0
12/06/2023 18:40	2	266	18	2.9	0
12/06/2023 18:50	1.8	321	25	2.8	0
12/06/2023 19:00	1.9	269	28	2.7	0
12/06/2023 19:10	1.6	270	13	2.5	0
12/06/2023 19:20	1.3	251	15	2.1	0
12/06/2023 19:30	2	262	12	2.5	0
12/06/2023 19:40	2	252	10	2.7	0
12/06/2023 19:50	2.2	260	12	2.8	0
12/06/2023 20:00	2.4	252	8	3.2	0
12/06/2023 20:10	2.7	249	9	3.3	0
12/06/2023 20:20	2.5	251	10	3.2	0
12/06/2023 20:30	2.7	248	10	3.6	0
12/06/2023 20:40	1.8	246	9	2.6	0
12/06/2023 20:50	2.1	244	10	2.8	0
12/06/2023 21:00	1.9	238	8	2.4	0
12/06/2023 21:10	1.9	245	11	2.6	0
12/06/2023 21:20	2.2	250	10	3.2	0
12/06/2023 21:30	2	242	10	2.7	0
12/06/2023 21:40	1.9	239	11	2.7	0
12/06/2023 21:50	1.9	249	10	2.4	0
12/06/2023 22:00	1.9	242	11	2.4	0
12/06/2023 22:10	1.9	238	10	2.7	0
12/06/2023 22:20	1.8	252	8	2.3	0
12/06/2023 22:30	2	245	9	2.5	0
12/06/2023 22:40	1.9	252	9	2.2	0
12/06/2023 22:50	1.7	256	8	2.3	0
12/06/2023 23:00	1.2	252	12	1.6	0
12/06/2023 23:10	0.7	168	19	1.3	0
12/06/2023 23:20					0
12/06/2023 23:30					0
12/06/2023 23:40					0
12/06/2023 23:50					0
13/06/2023 00:00	0.5	304	3	1.1	0
13/06/2023 00:10	0.9	307	7	1.2	0
13/06/2023 00:20	0.9	287	8	1.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/06/2023 00:30	0.3	284	2	0.8	0
13/06/2023 00:40	0.6	291	5	0.9	0
13/06/2023 00:50	0.3	47	13	0.9	0
13/06/2023 01:00					0
13/06/2023 01:10					0
13/06/2023 01:20	0.7	278	15	1.3	0
13/06/2023 01:30	0.8	207	41	1.5	0
13/06/2023 01:40	0.6	261	30	1.2	0
13/06/2023 01:50	0.6	307	19	1.1	0
13/06/2023 02:00	0.3	180	33	0.9	0
13/06/2023 02:10	0.5	69	17	1.2	0
13/06/2023 02:20	0.2	76	7	0.8	0
13/06/2023 02:30	0.3	78	11	1.2	0
13/06/2023 02:40	0.7	55	7	1.4	0
13/06/2023 02:50	0.8	56	19	1.5	0
13/06/2023 03:00	1.9	94	15	3.1	0
13/06/2023 03:10	2.4	99	12	3.4	0
13/06/2023 03:20	2.2	103	10	3.2	0
13/06/2023 03:30	2.3	103	12	3.4	0
13/06/2023 03:40	4.1	99	12	5.7	0
13/06/2023 03:50	3.8	101	12	5.2	0
13/06/2023 04:00	3.9	99	11	5.4	0
13/06/2023 04:10	4	100	12	5.6	0
13/06/2023 04:20	3.8	96	12	4.8	0
13/06/2023 04:30	4.5	97	12	5.9	0
13/06/2023 04:40	5	99	11	6.6	0
13/06/2023 04:50	5.2	102	10	6.7	0
13/06/2023 05:00	5.1	104	10	6.8	0
13/06/2023 05:10	5	103	11	6.7	0
13/06/2023 05:20	5.3	103	11	7.3	0
13/06/2023 05:30	5.6	103	11	7.9	0
13/06/2023 05:40	5.8	104	10	7.9	0
13/06/2023 05:50	6	103	10	7.9	0
13/06/2023 06:00	6.1	103	11	8.4	0
13/06/2023 06:10	6.3	103	11	8.7	0
13/06/2023 06:20	6	97	12	8.6	0
13/06/2023 06:30	6.2	100	11	8.7	0
13/06/2023 06:40	5.8	102	11	8.3	0
13/06/2023 06:50	6.3	99	12	8.4	0
13/06/2023 07:00	6.7	104	11	9.2	0
13/06/2023 07:10	6.5	105	11	9.1	0
13/06/2023 07:20	6.9	103	11	9.2	0
13/06/2023 07:30	5.8	99	11	8.2	0
13/06/2023 07:40	6.2	102	12	8.9	0
13/06/2023 07:50	6.2	98	12	9.1	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/06/2023 08:00	6.4	99	11	9.5	0
13/06/2023 08:10	6.9	97	12	9.4	0
13/06/2023 08:20	6.5	100	11	8.6	0
13/06/2023 08:30	7.5	104	11	9.9	0
13/06/2023 08:40	7.5	101	10	9.5	0
13/06/2023 08:50	7.7	103	12	10.7	0
13/06/2023 09:00	7.8	104	11	10.4	0
13/06/2023 09:10	7.5	100	11	10.1	0
13/06/2023 09:20	7.8	103	11	10.2	0
13/06/2023 09:30	7.4	104	12	10.1	0
13/06/2023 09:40	8.2	98	11	11.4	0
13/06/2023 09:50	7	96	12	9.6	0
13/06/2023 10:00	8.2	97	11	10.9	0
13/06/2023 10:10	8.8	98	12	10.8	0
13/06/2023 10:20	8.2	101	10	11.7	0
13/06/2023 10:30	8.4	96	11	10.7	0
13/06/2023 10:40	7.9	93	12	10.5	0
13/06/2023 10:50	8.1	91	11	11.3	0
13/06/2023 11:00	7.6	89	12	10.6	0
13/06/2023 11:10	7.5	92	12	10	0
13/06/2023 11:20	7.5	88	11	10.1	0
13/06/2023 11:30	7.4	87	11	10.4	0
13/06/2023 11:40	7.3	90	12	9.9	0
13/06/2023 11:50	6.9	85	11	9.8	0
13/06/2023 12:00	7.7	90	9	10.4	0
13/06/2023 12:10	6.9	85	11	9.9	0
13/06/2023 12:20	7	83	13	9.5	0
13/06/2023 12:30	7.1	82	11	9.4	0
13/06/2023 12:40	6.9	82	11	9.9	0
13/06/2023 12:50	7.2	82	11	9.4	0
13/06/2023 13:00	6.8	84	10	9	0
13/06/2023 13:10	7.1	83	9	9.1	0
13/06/2023 13:20	6.8	79	11	9.2	0
13/06/2023 13:30	6.7	84	11	9.5	0
13/06/2023 13:40	6.9	83	9	8.9	0
13/06/2023 13:50	6.8	82	11	8.4	0
13/06/2023 14:00	6.9	79	12	9	0
13/06/2023 14:10	6.6	82	10	9.1	0
13/06/2023 14:20	6.3	86	12	8.6	0
13/06/2023 14:30	6.4	80	11	8.3	0
13/06/2023 14:40	6.6	84	11	8.9	0
13/06/2023 14:50	5.6	85	12	7.9	0
13/06/2023 15:00	6.1	82	10	8	0
13/06/2023 15:10	6.2	85	12	8.2	0
13/06/2023 15:20	5.9	87	10	8.1	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/06/2023 15:30	4.9	89	12	6.8	0
13/06/2023 15:40	5.7	85	11	7.5	0
13/06/2023 15:50	5	82	11	7.1	0
13/06/2023 16:00	5.3	78	10	7.6	0
13/06/2023 16:10	5.3	76	10	7.4	0
13/06/2023 16:20	4.9	77	10	7.4	0
13/06/2023 16:30	4.6	75	13	6.3	0
13/06/2023 16:40	5	78	11	6.6	0
13/06/2023 16:50	4.1	77	11	6.4	0
13/06/2023 17:00	3.6	67	10	5	0
13/06/2023 17:10	3.9	65	11	5.4	0
13/06/2023 17:20	4	67	10	5.7	0
13/06/2023 17:30	3.8	69	10	5.2	0
13/06/2023 17:40	3.9	64	12	5.3	0
13/06/2023 17:50	3.1	53	11	4.4	0
13/06/2023 18:00	2.5	39	10	3.6	0
13/06/2023 18:10	2	39	13	3.1	0
13/06/2023 18:20	1.4	41	15	2.2	0
13/06/2023 18:30	1.7	56	8	2.2	0
13/06/2023 18:40	1.6	52	5	1.8	0
13/06/2023 18:50	1.8	51	6	2.4	0
13/06/2023 19:00	1.8	42	7	2.2	0
13/06/2023 19:10	1.5	27	9	1.8	0
13/06/2023 19:20	1.5	29	10	2.1	0
13/06/2023 19:30	1.7	39	9	2.2	0
13/06/2023 19:40	1.3	41	8	1.8	0
13/06/2023 19:50	1.2	43	7	1.6	0
13/06/2023 20:00	0.9	26	11	1.4	0
13/06/2023 20:10	0.7	29	8	1.2	0
13/06/2023 20:20	0.1	105	3	0.6	0
13/06/2023 20:30	0.3	213	8	0.8	0
13/06/2023 20:40	0.5	205	10	1.1	0
13/06/2023 20:50	0.7	227	14	1.3	0
13/06/2023 21:00	0.4	240	15	0.9	0
13/06/2023 21:10	1	273	20	1.5	0
13/06/2023 21:20	0.1	249	16	0.7	0
13/06/2023 21:30	0.8	300	3	1.2	0
13/06/2023 21:40	0.3	206	4	0.8	0
13/06/2023 21:50	0.8	301	5	1.1	0
13/06/2023 22:00	0.9	295	6	1.1	0
13/06/2023 22:10	0.4	153	22	1.1	0
13/06/2023 22:20	0.4	181	11	0.9	0
13/06/2023 22:30	0.6	198	8	1.2	0
13/06/2023 22:40	1	74	14	1.6	0
13/06/2023 22:50					0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/06/2023 23:00	0.2	90	7	0.9	0
13/06/2023 23:10					0
13/06/2023 23:20					0
13/06/2023 23:30	0.8	265	10	1.6	0
13/06/2023 23:40	1	286	5	1.7	0
13/06/2023 23:50					0
14/06/2023 00:00					0
14/06/2023 00:10	0.2	301	0	1.2	0
14/06/2023 00:20	1.1	301	4	1.4	0
14/06/2023 00:30	0.7	297	6	1.2	0
14/06/2023 00:40					0
14/06/2023 00:50					0
14/06/2023 01:00					0
14/06/2023 01:10					0
14/06/2023 01:20					0
14/06/2023 01:30					0
14/06/2023 01:40	0.8	288	6	1.2	0
14/06/2023 01:50	0.5	281	7	0.9	0
14/06/2023 02:00	0.3	269	5	0.8	0
14/06/2023 02:10	1	302	5	1.2	0
14/06/2023 02:20	0.9	290	9	1.1	0
14/06/2023 02:30	1.2	293	7	1.6	0
14/06/2023 02:40	0.5	264	15	0.9	0
14/06/2023 02:50	1.4	223	13	2.6	0
14/06/2023 03:00	2.3	240	11	3.2	0
14/06/2023 03:10	2	229	22	2.6	0
14/06/2023 03:20	0.8	163	23	1.8	0
14/06/2023 03:30	1.4	142	33	2.4	0
14/06/2023 03:40	1.1	123	36	2.1	0
14/06/2023 03:50	0.9	84	41	1.6	0
14/06/2023 04:00	0.7	161	25	1.1	0
14/06/2023 04:10	1.2	114	23	2	0
14/06/2023 04:20	1.2	113	17	1.6	0
14/06/2023 04:30	0.7	105	14	1.2	0
14/06/2023 04:40	0.5	99	13	1.1	0
14/06/2023 04:50	0.7	81	12	1.2	0
14/06/2023 05:00	0.9	88	9	1.3	0
14/06/2023 05:10	1	68	13	1.4	0
14/06/2023 05:20	1.5	65	10	2.1	0
14/06/2023 05:30	1.4	92	15	1.8	0
14/06/2023 05:40	1.3	94	16	2.1	0
14/06/2023 05:50	0.4	97	33	1.1	0
14/06/2023 06:00	0.7	94	15	1.3	0
14/06/2023 06:10	1.1	100	9	1.5	0
14/06/2023 06:20	1.5	100	10	2.1	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/06/2023 06:30	1.5	108	10	2.4	0
14/06/2023 06:40	1.4	105	9	2	0
14/06/2023 06:50	1.3	99	14	2.4	0
14/06/2023 07:00	1.4	100	14	2.3	0
14/06/2023 07:10	1.1	109	12	1.7	0
14/06/2023 07:20	1.3	128	22	2.1	0
14/06/2023 07:30	1.5	148	18	2.1	0
14/06/2023 07:40	1.1	141	45	1.8	0
14/06/2023 07:50	1.7	140	20	2.8	0
14/06/2023 08:00	2.2	139	18	3	0
14/06/2023 08:10	2.5	136	18	3.6	0
14/06/2023 08:20	2.6	115	16	3.8	0
14/06/2023 08:30	3.5	95	13	4.8	0
14/06/2023 08:40	3.8	99	13	5.2	0
14/06/2023 08:50	4.5	97	10	6	0
14/06/2023 09:00	4.4	95	10	5.8	0
14/06/2023 09:10	4.5	95	11	6.1	0
14/06/2023 09:20	4.4	97	11	6.1	0
14/06/2023 09:30	4.4	102	13	6.8	0
14/06/2023 09:40	3.9	96	13	5.2	0
14/06/2023 09:50	4	97	12	5.8	0
14/06/2023 10:00	3.6	101	16	5.1	0
14/06/2023 10:10	3.5	101	15	5	0
14/06/2023 10:20	3.7	100	12	5.3	0
14/06/2023 10:30	4.1	95	14	6.1	0
14/06/2023 10:40	4.4	95	12	6.8	0
14/06/2023 10:50	4.3	99	14	6.5	0
14/06/2023 11:00	4.8	94	14	6.4	0
14/06/2023 11:10	4.9	88	15	6.8	0
14/06/2023 11:20	4.7	85	13	6.4	0
14/06/2023 11:30	3.8	92	16	5.7	0
14/06/2023 11:40	3.8	86	15	5.2	0
14/06/2023 11:50	4.1	76	12	5	0
14/06/2023 12:00	4.9	78	11	6.8	0
14/06/2023 12:10	4.5	75	13	5.9	0
14/06/2023 12:20	4.1	74	13	5.5	0
14/06/2023 12:30	4.2	77	12	5.7	0
14/06/2023 12:40	4.2	80	13	6.2	0
14/06/2023 12:50	4.3	81	14	5.8	0
14/06/2023 13:00	3.8	77	16	5.7	0
14/06/2023 13:10	3.9	67	13	5.8	0
14/06/2023 13:20	3.7	64	17	5.1	0
14/06/2023 13:30	4.4	68	12	5.9	0
14/06/2023 13:40	4	68	15	5.2	0
14/06/2023 13:50	4.1	77	13	6.3	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/06/2023 14:00	4.2	68	14	5.6	0
14/06/2023 14:10	4.3	54	13	5.9	0
14/06/2023 14:20	4.2	61	12	5.6	0
14/06/2023 14:30	4.1	68	12	5.5	0
14/06/2023 14:40	4.3	63	13	5.7	0
14/06/2023 14:50	4.1	64	14	5.6	0
14/06/2023 15:00	4.3	68	13	5.6	0
14/06/2023 15:10	3.7	69	13	5.1	0
14/06/2023 15:20	3.6	60	12	4.5	0
14/06/2023 15:30	3.5	73	15	4.8	0
14/06/2023 15:40	3.1	56	18	4.2	0
14/06/2023 15:50	2.9	42	15	4	0
14/06/2023 16:00	3.1	37	15	4.2	0
14/06/2023 16:10	2.6	29	15	3.6	0
14/06/2023 16:20	2.1	354	21	2.9	0
14/06/2023 16:30	2.7	346	18	4.2	0
14/06/2023 16:40	2.7	175	22	3.9	0
14/06/2023 16:50	2.6	348	18	3.6	0
14/06/2023 17:00	2.8	345	13	4	0
14/06/2023 17:10	2.9	360	15	3.8	0
14/06/2023 17:20	2.3	4	16	3.6	0
14/06/2023 17:30	2.2	11	16	3.2	0
14/06/2023 17:40	1.6	355	19	2.7	0
14/06/2023 17:50	1.7	337	18	2.7	0
14/06/2023 18:00	1.9	342	19	2.9	0
14/06/2023 18:10	1.7	356	25	2.9	0
14/06/2023 18:20	2.1	180	20	3.4	0
14/06/2023 18:30	1.9	10	17	2.8	0
14/06/2023 18:40	2.1	182	21	3.6	0
14/06/2023 18:50	2.5	174	16	3.6	0
14/06/2023 19:00	2	180	20	3.3	0
14/06/2023 19:10	1.6	327	39	2.8	0
14/06/2023 19:20	1.1	297	38	1.9	0
14/06/2023 19:30	2.1	333	24	3.1	0
14/06/2023 19:40	1.1	357	23	2	0
14/06/2023 19:50	1.3	312	18	2.1	0
14/06/2023 20:00	0.8	154	26	1.4	0
14/06/2023 20:10	0.1	166	11	0.9	0
14/06/2023 20:20	1.6	169	27	2.1	0
14/06/2023 20:30	1	280	46	1.8	0
14/06/2023 20:40	0.7	270	11	1.6	0
14/06/2023 20:50	1	186	36	2.4	0
14/06/2023 21:00	2.3	240	15	3.1	0
14/06/2023 21:10	1.7	246	17	2.5	0
14/06/2023 21:20	1.4	267	18	1.7	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/06/2023 21:30	1	247	10	2	0
14/06/2023 21:40	1.7	255	13	2.4	0
14/06/2023 21:50	1.5	250	12	2.4	0
14/06/2023 22:00	2	252	10	2.8	0
14/06/2023 22:10	0.9	237	18	1.6	0
14/06/2023 22:20	1.6	248	10	2.2	0
14/06/2023 22:30	1.8	268	11	2.4	0
14/06/2023 22:40	0.8	275	34	1.5	0
14/06/2023 22:50	0.7	247	10	1.2	0
14/06/2023 23:00	1.1	260	8	1.6	0
14/06/2023 23:10	0.7	212	57	1.5	0
14/06/2023 23:20	1.4	312	34	1.9	0
14/06/2023 23:30	0.4	174	12	1.3	0
14/06/2023 23:40	0.9	304	8	1.6	0
14/06/2023 23:50	0.7	268	4	1.9	0
15/06/2023 00:00	1.3	252	14	1.7	0
15/06/2023 00:10	0.3	112	37	1.3	0
15/06/2023 00:20	1.6	271	14	2	0
15/06/2023 00:30	0.9	241	24	1.6	0
15/06/2023 00:40	1.8	238	34	2.9	0
15/06/2023 00:50	0.4	209	46	0.8	0
15/06/2023 01:00	0.3	299	3	1.1	0
15/06/2023 01:10	1.6	277	9	2.1	0
15/06/2023 01:20	0.9	248	12	1.5	0
15/06/2023 01:30	1.4	258	9	1.8	0
15/06/2023 01:40	1.5	244	13	2.4	0
15/06/2023 01:50	1.8	242	14	2.5	0
15/06/2023 02:00	1.4	250	22	1.8	0
15/06/2023 02:10	0.9	206	25	1.8	0
15/06/2023 02:20	2.2	233	14	2.9	0
15/06/2023 02:30	1.6	237	17	2.6	0
15/06/2023 02:40	0.5	253	11	1.1	0
15/06/2023 02:50	0.6	280	7	1.2	0
15/06/2023 03:00	1	262	15	1.3	0
15/06/2023 03:10	0.9	280	15	1.1	0
15/06/2023 03:20	0.6	287	16	1	0
15/06/2023 03:30	1.1	279	13	1.3	0
15/06/2023 03:40	1.2	274	14	1.6	0
15/06/2023 03:50	1.2	279	12	1.5	0
15/06/2023 04:00	1.3	264	13	1.7	0
15/06/2023 04:10	1.1	261	14	1.5	0
15/06/2023 04:20	1.1	248	15	1.6	0
15/06/2023 04:30	0.5	142	32	0.9	0
15/06/2023 04:40	1	237	32	1.7	0
15/06/2023 04:50	0.9	49	25	1.5	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/06/2023 05:00	1.7	90	16	3	0
15/06/2023 05:10	2.1	78	10	3	0
15/06/2023 05:20	1.9	100	12	2.5	0
15/06/2023 05:30	1.9	98	12	2.6	0
15/06/2023 05:40	2.2	87	12	2.9	0
15/06/2023 05:50	1.7	97	12	2.5	0
15/06/2023 06:00	1	118	15	1.9	0
15/06/2023 06:10	0.3	88	12	0.8	0
15/06/2023 06:20	0.6	144	13	1.1	0
15/06/2023 06:30	1	120	13	2	0
15/06/2023 06:40	0.4	326	27	1	0
15/06/2023 06:50	1.1	120	14	2.3	0
15/06/2023 07:00	2.2	102	12	3.8	0
15/06/2023 07:10	3.7	102	10	5.4	0
15/06/2023 07:20	4	105	8	5.3	0
15/06/2023 07:30	3.5	97	10	4.6	0
15/06/2023 07:40	3.3	92	9	4.2	0
15/06/2023 07:50	3.5	97	10	4.4	0
15/06/2023 08:00	3.8	91	11	5.1	0
15/06/2023 08:10	4.3	86	10	5.6	0
15/06/2023 08:20	4.6	88	10	6	0
15/06/2023 08:30	3.9	95	10	5	0
15/06/2023 08:40	3.9	87	10	4.8	0
15/06/2023 08:50	3.8	96	12	5.2	0
15/06/2023 09:00	3.6	92	12	5.2	0
15/06/2023 09:10	4	93	12	5.5	0
15/06/2023 09:20	4.7	87	11	6.2	0
15/06/2023 09:30	5.2	86	11	7	0
15/06/2023 09:40	5.6	85	11	7.6	0
15/06/2023 09:50	6.7	80	9	8.7	0
15/06/2023 10:00	5.4	85	12	7.5	0
15/06/2023 10:10	6	89	11	7.9	0
15/06/2023 10:20	5.5	90	12	7.8	0
15/06/2023 10:30	5.7	85	12	8	0
15/06/2023 10:40	6.3	82	10	8.7	0
15/06/2023 10:50	6.4	84	10	8.8	0
15/06/2023 11:00	5.7	87	12	8	0
15/06/2023 11:10	5.6	87	14	7.9	0
15/06/2023 11:20	6.3	83	11	8.7	0
15/06/2023 11:30	6.6	85	11	9.2	0
15/06/2023 11:40	6.3	81	11	8.7	0
15/06/2023 11:50	6.3	82	11	8.7	0
15/06/2023 12:00	6	81	12	8.1	0
15/06/2023 12:10	5	84	12	7.2	0
15/06/2023 12:20	5.5	83	12	7.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/06/2023 12:30	5.9	80	11	8.1	0
15/06/2023 12:40	6	82	13	8	0
15/06/2023 12:50	5.7	78	13	7.9	0
15/06/2023 13:00	5.7	81	11	8.3	0
15/06/2023 13:10	5.9	79	12	8.2	0
15/06/2023 13:20	5.8	79	14	7.9	0
15/06/2023 13:30	5.7	81	11	7.5	0
15/06/2023 13:40	5.3	78	13	7.8	0
15/06/2023 13:50	6	76	11	8.3	0
15/06/2023 14:00	6.3	81	9	8.7	0
15/06/2023 14:10	6.2	79	10	8	0
15/06/2023 14:20	6.2	72	10	7.9	0
15/06/2023 14:30	5.5	72	12	7.8	0
15/06/2023 14:40	5	81	10	6.6	0
15/06/2023 14:50	4.2	71	15	6.2	0
15/06/2023 15:00	4.5	64	13	6.4	0
15/06/2023 15:10	4.7	65	13	6.5	0
15/06/2023 15:20	4	66	12	5.8	0
15/06/2023 15:30	3.8	70	12	5	0
15/06/2023 15:40	3.8	61	12	5.2	0
15/06/2023 15:50	3.7	69	15	5.5	0
15/06/2023 16:00	3.7	65	13	4.8	0
15/06/2023 16:10	3.1	58	13	4.2	0
15/06/2023 16:20	3.2	71	9	4.2	0
15/06/2023 16:30	2.9	65	12	3.8	0
15/06/2023 16:40	2.9	57	10	3.7	0
15/06/2023 16:50	2.3	43	13	3.2	0
15/06/2023 17:00	2.1	33	14	2.8	0
15/06/2023 17:10	1.6	187	18	2.4	0
15/06/2023 17:20	1.6	335	17	2.4	0
15/06/2023 17:30	1.3	188	24	1.9	0
15/06/2023 17:40	1.5	24	17	2.2	0
15/06/2023 17:50	1	181	25	1.5	0
15/06/2023 18:00	1	179	25	1.7	0
15/06/2023 18:10	0.8	353	25	1.7	0
15/06/2023 18:20	1	180	15	2	0
15/06/2023 18:30	1.2	348	16	1.8	0
15/06/2023 18:40	1.5	351	15	2.4	0
15/06/2023 18:50	1.7	17	17	2.4	0
15/06/2023 19:00	1.3	18	19	2.2	0
15/06/2023 19:10	1.6	184	19	2.4	0
15/06/2023 19:20	1.1	8	20	2	0
15/06/2023 19:30	1.2	353	21	2.4	0
15/06/2023 19:40	0.9	190	29	2	0
15/06/2023 19:50	1.1	352	25	2.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/06/2023 20:00	1.7	346	17	2.4	0
15/06/2023 20:10	1.4	3	18	2.4	0
15/06/2023 20:20	1.5	354	20	2.2	0
15/06/2023 20:30	1.3	14	20	2	0
15/06/2023 20:40	0.8	28	28	1.3	0
15/06/2023 20:50	0.5	309	23	1.1	0
15/06/2023 21:00	0.6	277	15	1.1	0
15/06/2023 21:10	0.2	294	25	1.6	0
15/06/2023 21:20	0.4	112	9	0.9	0
15/06/2023 21:30	0.9	40	10	1.5	0
15/06/2023 21:40	1	183	20	1.4	0
15/06/2023 21:50	0.7	189	21	1.3	0
15/06/2023 22:00	0.7	189	17	1.2	0
15/06/2023 22:10	0.9	324	17	1.3	0
15/06/2023 22:20	1.1	255	15	1.5	0
15/06/2023 22:30	0.5	201	23	1	0
15/06/2023 22:40	0.6	60	24	1.1	0
15/06/2023 22:50	0.3	59	11	0.8	0
15/06/2023 23:00	0.6	290	8	1.1	0
15/06/2023 23:10	0.3	290	4	0.9	0
15/06/2023 23:20	0.7	319	7	1.1	0
15/06/2023 23:30	0.3	195	16	0.8	0
15/06/2023 23:40	0.3	275	2	1	0
15/06/2023 23:50	0.2	240	5	0.8	0
16/06/2023 00:00					0
16/06/2023 00:10					0
16/06/2023 00:20					0
16/06/2023 00:30					0
16/06/2023 00:40	0.7	289	3	1.1	0
16/06/2023 00:50	0.4	359	6	0.9	0
16/06/2023 01:00	0.2	189	8	0.8	0
16/06/2023 01:10	0.2	66	5	0.8	0
16/06/2023 01:20	0.6	265	9	1.2	0
16/06/2023 01:30	0.6	267	14	1.2	0
16/06/2023 01:40	1.2	311	5	1.6	0
16/06/2023 01:50	0.9	315	11	1.5	0
16/06/2023 02:00	0.3	175	11	0.8	0
16/06/2023 02:10	0.5	80	2	1	0
16/06/2023 02:20	0.1	62	1	0.7	0
16/06/2023 02:30	0.8	294	7	1.2	0
16/06/2023 02:40	0.4	297	7	0.8	0
16/06/2023 02:50	0.6	163	35	1.2	0
16/06/2023 03:00	0.7	300	16	1.2	0
16/06/2023 03:10	1	23	20	1.6	0
16/06/2023 03:20	1	53	17	1.4	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/06/2023 03:30	0.6	164	40	1	0
16/06/2023 03:40	0.5	270	6	1.2	0
16/06/2023 03:50	0.3	319	12	0.8	0
16/06/2023 04:00	0.1	298	2	0.8	0
16/06/2023 04:10	0.4	262	8	0.7	0
16/06/2023 04:20	0.5	232	12	1.1	0
16/06/2023 04:30	0.6	151	31	1.7	0
16/06/2023 04:40	0	221	0	0.4	0
16/06/2023 04:50					0
16/06/2023 05:00	0.6	311	10	1.2	0
16/06/2023 05:10	0.6	130	9	1.1	0
16/06/2023 05:20	0.5	294	3	1.2	0
16/06/2023 05:30	0.7	270	22	1.2	0
16/06/2023 05:40	0.1	89	6	0.6	0
16/06/2023 05:50	0.4	37	11	0.8	0
16/06/2023 06:00	0.7	87	10	1.3	0
16/06/2023 06:10	0.7	172	21	1.3	0
16/06/2023 06:20	0.2	148	7	0.6	0
16/06/2023 06:30	0.8	95	15	1.4	0
16/06/2023 06:40	0.7	96	18	1.5	0
16/06/2023 06:50	1	108	14	1.6	0
16/06/2023 07:00	0.3	324	32	0.8	0
16/06/2023 07:10	0.3	144	9	1	0
16/06/2023 07:20	0.2	323	4	0.7	0
16/06/2023 07:30	0.5	264	14	1	0
16/06/2023 07:40	0.6	197	35	1.5	0
16/06/2023 07:50	1.9	121	15	3.1	0
16/06/2023 08:00	1.6	128	14	2.2	0
16/06/2023 08:10	2.2	107	12	3.1	0
16/06/2023 08:20	1.6	105	13	2.1	0
16/06/2023 08:30	1.7	93	14	2.6	0
16/06/2023 08:40	1.6	111	17	2.4	0
16/06/2023 08:50	2.5	99	15	3.4	0
16/06/2023 09:00	3.1	103	9	4	0
16/06/2023 09:10	2.9	102	9	3.6	0
16/06/2023 09:20	2.8	97	11	4	0
16/06/2023 09:30	2.7	91	12	3.5	0
16/06/2023 09:40	2.4	95	12	3.3	0
16/06/2023 09:50	3.4	95	10	4.1	0
16/06/2023 10:00	3	99	12	4	0
16/06/2023 10:10	2.5	101	13	3.3	0
16/06/2023 10:20	2.6	96	11	3.6	0
16/06/2023 10:30	2.6	99	12	3.6	0
16/06/2023 10:40	2.8	96	11	3.8	0
16/06/2023 10:50	2.6	90	14	3.6	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/06/2023 11:00	2.9	123	18	4.8	0
16/06/2023 11:10	3.8	103	18	5.2	0
16/06/2023 11:20	4.3	103	14	5.7	0
16/06/2023 11:30	3.8	99	14	5.1	0
16/06/2023 11:40	4	101	14	6	0
16/06/2023 11:50	4.4	104	12	6.1	0
16/06/2023 12:00	3.9	100	16	5.6	0
16/06/2023 12:10	3.8	97	18	5.2	0
16/06/2023 12:20	4	106	15	5.5	0
16/06/2023 12:30	3.9	103	15	5.6	0
16/06/2023 12:40	3.8	89	16	5.1	0
16/06/2023 12:50	4.5	91	16	5.9	0
16/06/2023 13:00	4.7	78	12	6.4	0
16/06/2023 13:10	5.1	78	10	6.7	0
16/06/2023 13:20	4.9	83	11	6.7	0
16/06/2023 13:30	5.1	81	12	7	0
16/06/2023 13:40	5.7	72	9	7.3	0
16/06/2023 13:50	5.6	72	10	7.3	0
16/06/2023 14:00	5.2	76	13	7.1	0
16/06/2023 14:10	5.3	75	11	6.9	0
16/06/2023 14:20	4.7	68	10	6.4	0
16/06/2023 14:30	5	78	12	6.5	0
16/06/2023 14:40	4.3	79	12	6	0
16/06/2023 14:50	3.9	68	12	5.2	0
16/06/2023 15:00	4.1	74	9	5.6	0
16/06/2023 15:10	3.9	74	11	5.2	0
16/06/2023 15:20	4	63	11	5.3	0
16/06/2023 15:30	4	64	13	5.5	0
16/06/2023 15:40	3.9	63	11	5	0
16/06/2023 15:50	3.7	59	11	4.8	0
16/06/2023 16:00	3.9	62	12	5.3	0
16/06/2023 16:10	4	62	10	5.4	0
16/06/2023 16:20	3.5	61	12	5	0
16/06/2023 16:30	3.6	51	13	4.9	0
16/06/2023 16:40	3.6	53	11	5	0
16/06/2023 16:50	3.2	57	10	4.1	0
16/06/2023 17:00	2.8	49	11	3.9	0
16/06/2023 17:10	2.8	37	13	3.7	0
16/06/2023 17:20	2.2	35	13	3.3	0
16/06/2023 17:30	2.9	37	11	3.9	0
16/06/2023 17:40	2.8	33	13	4	0
16/06/2023 17:50	1.9	26	17	2.7	0
16/06/2023 18:00	2	12	14	2.8	0
16/06/2023 18:10	1.5	36	16	2.1	0
16/06/2023 18:20	1.7	19	19	2.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/06/2023 18:30	1.7	32	23	2.6	0
16/06/2023 18:40	2.1	48	14	3	0
16/06/2023 18:50	1.8	51	12	2.5	0
16/06/2023 19:00	1.7	32	17	2.5	0
16/06/2023 19:10	1.6	25	17	2.4	0
16/06/2023 19:20	1.3	47	17	2	0
16/06/2023 19:30	1.2	61	24	1.9	0
16/06/2023 19:40	1.2	37	14	1.8	0
16/06/2023 19:50	1.1	47	20	1.9	0
16/06/2023 20:00	0.7	46	19	1.5	0
16/06/2023 20:10	0.8	59	26	1.2	0
16/06/2023 20:20	1.1	348	27	2.4	0
16/06/2023 20:30	1	17	28	1.9	0
16/06/2023 20:40	0.4	212	29	1.2	0
16/06/2023 20:50	0.3	304	16	1	0
16/06/2023 21:00	1.2	8	30	2.4	0
16/06/2023 21:10	1.1	39	17	2	0
16/06/2023 21:20	0.5	307	11	1.2	0
16/06/2023 21:30	0.5	180	11	1.2	0
16/06/2023 21:40	0.1	272	5	0.8	0
16/06/2023 21:50	0.7	186	15	1.2	0
16/06/2023 22:00	0.8	115	16	1.2	0
16/06/2023 22:10	0.7	176	43	1.1	0
16/06/2023 22:20	0.4	181	32	0.9	0
16/06/2023 22:30	0.4	201	9	1	0
16/06/2023 22:40	0.7	213	15	1.2	0
16/06/2023 22:50	0.8	284	28	1.3	0
16/06/2023 23:00	0.5	232	13	0.9	0
16/06/2023 23:10	0.9	256	13	1.2	0
16/06/2023 23:20	0.8	297	16	1.2	0
16/06/2023 23:30	0.5	197	9	0.8	0
16/06/2023 23:40	1.6	245	13	2.5	0
16/06/2023 23:50	1.8	248	9	2.2	0
17/06/2023 00:00	2	241	10	2.4	0
17/06/2023 00:10	1.9	244	11	2.4	0
17/06/2023 00:20	1.5	247	10	2	0
17/06/2023 00:30	1.1	263	15	1.6	0
17/06/2023 00:40	0.7	139	26	1.3	0
17/06/2023 00:50	0.5	139	31	0.8	0
17/06/2023 01:00	0.6	231	17	1	0
17/06/2023 01:10	0.7	260	10	1.1	0
17/06/2023 01:20					0
17/06/2023 01:30	0.4	276	5	0.8	0
17/06/2023 01:40	1	263	9	1.5	0
17/06/2023 01:50	1.4	247	12	1.7	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/06/2023 02:00	1.5	251	8	1.8	0
17/06/2023 02:10	1.9	262	9	2.2	0
17/06/2023 02:20	1.9	257	9	2.4	0
17/06/2023 02:30	1.7	248	11	2.2	0
17/06/2023 02:40	1.6	239	8	2	0
17/06/2023 02:50	1	241	10	1.3	0
17/06/2023 03:00	1.3	248	8	1.7	0
17/06/2023 03:10	2	253	11	2.4	0
17/06/2023 03:20	2	257	10	2.6	0
17/06/2023 03:30	2.5	253	10	3.1	0
17/06/2023 03:40	2	262	7	2.4	0
17/06/2023 03:50	2.2	254	8	2.6	0
17/06/2023 04:00	2.3	247	9	2.8	0
17/06/2023 04:10	2	247	10	2.8	0
17/06/2023 04:20	1.4	243	10	1.8	0
17/06/2023 04:30	1.6	249	12	2.3	0
17/06/2023 04:40	1	237	19	1.5	0
17/06/2023 04:50	1.5	253	13	2.8	0
17/06/2023 05:00	2.1	243	11	2.9	0
17/06/2023 05:10	2.6	232	15	3.8	0
17/06/2023 05:20	2	225	19	3	0
17/06/2023 05:30	1.5	222	24	2.6	0
17/06/2023 05:40	1.5	229	25	2.4	0
17/06/2023 05:50	1.7	227	19	2.4	0
17/06/2023 06:00	1.2	231	22	2	0
17/06/2023 06:10	0.2	227	10	1.1	0
17/06/2023 06:20	0.3	277	13	0.7	0
17/06/2023 06:30	0.6	68	9	1.3	0
17/06/2023 06:40	0.4	182	9	0.8	0
17/06/2023 06:50	0.6	129	19	1.3	0
17/06/2023 07:00	0.6	196	55	1.2	0
17/06/2023 07:10	1.2	203	51	2.2	0
17/06/2023 07:20	1.3	217	65	2.2	0
17/06/2023 07:30	0.9	285	68	1.7	0
17/06/2023 07:40	0.6	184	65	1.2	0
17/06/2023 07:50	0.7	180	67	1.4	0
17/06/2023 08:00	1.8	136	19	2.8	0
17/06/2023 08:10	1.7	130	15	2.4	0
17/06/2023 08:20	1.3	130	16	1.9	0
17/06/2023 08:30	1.3	90	17	1.8	0
17/06/2023 08:40	2.1	96	12	3.1	0
17/06/2023 08:50	2.6	96	10	3.5	0
17/06/2023 09:00	2.6	92	12	3.6	0
17/06/2023 09:10	2.8	99	11	3.8	0
17/06/2023 09:20	2.7	93	11	3.9	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/06/2023 09:30	3	118	12	4	0
17/06/2023 09:40	2.6	119	10	3.5	0
17/06/2023 09:50	2.3	104	12	3	0
17/06/2023 10:00	2	100	12	2.8	0
17/06/2023 10:10	1.5	105	14	2	0
17/06/2023 10:20	1.3	109	27	2.3	0
17/06/2023 10:30	1.2	149	60	2.4	0
17/06/2023 10:40	1.1	134	63	2	0
17/06/2023 10:50	1.5	272	65	2.8	0
17/06/2023 11:00	1.3	168	74	2.5	0
17/06/2023 11:10	2	127	38	3.5	0
17/06/2023 11:20	2.1	140	56	3.6	0
17/06/2023 11:30	2.2	134	23	3.3	0
17/06/2023 11:40	2.2	124	23	3	0
17/06/2023 11:50	2.3	114	19	3.5	0
17/06/2023 12:00	1.7	123	18	2.5	0
17/06/2023 12:10	2.4	99	10	3.1	0
17/06/2023 12:20	2.3	100	11	3.1	0
17/06/2023 12:30	2.4	102	12	3.1	0
17/06/2023 12:40	2.4	101	12	3.2	0
17/06/2023 12:50	2.2	119	17	3.2	0
17/06/2023 13:00	2.1	126	16	2.8	0
17/06/2023 13:10	2.3	112	12	3.4	0
17/06/2023 13:20	2.1	119	14	2.8	0
17/06/2023 13:30	2.3	111	15	3.3	0
17/06/2023 13:40	2	112	12	3.1	0
17/06/2023 13:50	2	111	10	2.6	0.4
17/06/2023 14:00	1.4	118	9	1.7	0.3
17/06/2023 14:10	1.2	116	9	1.5	0.1
17/06/2023 14:20	1	88	13	1.3	0.2
17/06/2023 14:30	1.3	90	10	1.6	0
17/06/2023 14:40	1	94	11	1.4	0
17/06/2023 14:50	1	119	11	1.3	0.2
17/06/2023 15:00	0.6	236	39	1	0.3
17/06/2023 15:10	1	226	24	1.6	0.4
17/06/2023 15:20	0.2	227	11	0.8	0.1
17/06/2023 15:30	0.9	123	22	1.3	0.4
17/06/2023 15:40	1.1	142	16	1.6	0.2
17/06/2023 15:50	1.4	138	16	1.9	0
17/06/2023 16:00	1.4	137	36	2	0
17/06/2023 16:10	1.5	133	18	2.2	0
17/06/2023 16:20	1.1	99	11	1.6	0
17/06/2023 16:30	1.4	117	10	2.1	0
17/06/2023 16:40	1.6	118	11	2.4	0
17/06/2023 16:50	1.2	91	10	1.6	0.2



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/06/2023 17:00	0.9	119	10	1.2	0.1
17/06/2023 17:10	0.8	108	8	1	0.1
17/06/2023 17:20	0.7	108	10	0.9	0.2
17/06/2023 17:30	0.8	91	10	1	0
17/06/2023 17:40	1	65	6	1.3	0
17/06/2023 17:50	0.6	87	9	1.2	0.2
17/06/2023 18:00	0.9	77	10	1.2	0.1
17/06/2023 18:10	0.6	68	24	1.2	0
17/06/2023 18:20	1.2	72	14	1.6	0.2
17/06/2023 18:30	0.9	108	13	1.2	0.1
17/06/2023 18:40	1.1	103	15	1.5	0
17/06/2023 18:50	1.2	115	9	1.5	0.1
17/06/2023 19:00	1.2	102	11	1.5	0.1
17/06/2023 19:10	2	78	9	2.4	0.3
17/06/2023 19:20	2.1	79	9	2.8	0.1
17/06/2023 19:30	1.1	125	30	1.6	0.2
17/06/2023 19:40	0.4	146	65	1	0
17/06/2023 19:50	0.8	164	39	1.5	0
17/06/2023 20:00	1.1	119	19	1.9	0
17/06/2023 20:10	1.1	90	77	2.1	0
17/06/2023 20:20	1.5	132	41	2.4	0
17/06/2023 20:30	1.6	128	21	2.4	0
17/06/2023 20:40	2.4	113	15	3.6	0
17/06/2023 20:50	2.5	114	12	3.6	0
17/06/2023 21:00	1.8	132	17	2.8	0
17/06/2023 21:10	2	135	17	3.1	0.2
17/06/2023 21:20	2	122	13	3.2	0
17/06/2023 21:30	2.1	125	16	3.5	0
17/06/2023 21:40	2.5	126	15	3.6	0
17/06/2023 21:50	2.3	121	17	3.5	0
17/06/2023 22:00	1.9	128	16	2.8	0
17/06/2023 22:10	2.1	117	13	2.8	0
17/06/2023 22:20	2.2	132	21	3.6	0
17/06/2023 22:30	2.3	116	13	3.6	0
17/06/2023 22:40	2.3	106	13	3.2	0
17/06/2023 22:50	2.6	112	15	3.6	0
17/06/2023 23:00	2.6	109	10	3.4	0
17/06/2023 23:10	2.1	132	16	3.1	0
17/06/2023 23:20	2.1	128	15	2.8	0
17/06/2023 23:30	2.1	126	15	2.9	0
17/06/2023 23:40	1.8	132	18	2.6	0
17/06/2023 23:50	1.4	143	44	2.6	0
18/06/2023 00:00	1.4	142	30	2.3	0
18/06/2023 00:10	1.4	119	17	2.1	0
18/06/2023 00:20	1.3	109	15	2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/06/2023 00:30	1.1	99	15	1.8	0
18/06/2023 00:40	1.5	109	11	2	0
18/06/2023 00:50	2	112	9	2.5	0
18/06/2023 01:00	2.7	108	9	3.6	0
18/06/2023 01:10	2.5	111	10	3.8	0
18/06/2023 01:20	2.6	102	10	3.3	0
18/06/2023 01:30	2.5	111	10	3.3	0
18/06/2023 01:40	2.6	120	12	3.4	0
18/06/2023 01:50	2.3	116	14	3.1	0
18/06/2023 02:00	2.3	110	11	2.9	0
18/06/2023 02:10	2.4	109	11	3.3	0
18/06/2023 02:20	2.8	98	10	3.8	0
18/06/2023 02:30	3.1	109	11	4.3	0
18/06/2023 02:40	2.7	122	14	3.7	0
18/06/2023 02:50	2.9	114	9	3.9	0
18/06/2023 03:00	2.9	106	9	3.8	0
18/06/2023 03:10	3.3	100	11	4.6	0
18/06/2023 03:20	2.8	114	11	3.8	0
18/06/2023 03:30	3.3	92	11	4.9	0
18/06/2023 03:40	3.3	98	9	4.4	0
18/06/2023 03:50	2.7	114	10	3.6	0
18/06/2023 04:00	3.5	109	9	4.8	0
18/06/2023 04:10	3.8	101	11	5.2	0
18/06/2023 04:20	2.9	99	10	4	0
18/06/2023 04:30	2.4	104	10	3.3	0
18/06/2023 04:40	1.8	110	10	2.4	0
18/06/2023 04:50	2.6	86	11	3.5	0
18/06/2023 05:00	2.6	85	10	3.2	0
18/06/2023 05:10	2.1	103	14	2.8	0
18/06/2023 05:20	1.9	106	13	2.8	0
18/06/2023 05:30	2.1	95	14	2.8	0
18/06/2023 05:40	2.7	107	11	3.6	0
18/06/2023 05:50	2.4	117	13	3.6	0
18/06/2023 06:00	1.9	122	13	2.7	0
18/06/2023 06:10	2.1	98	10	2.9	0
18/06/2023 06:20	1.9	94	13	2.8	0
18/06/2023 06:30	1.9	92	14	2.8	0
18/06/2023 06:40	1.8	94	10	2.4	0
18/06/2023 06:50	2.4	82	9	3.3	0
18/06/2023 07:00	2.6	87	9	3.5	0
18/06/2023 07:10	2.6	81	9	3.3	0
18/06/2023 07:20	2.6	85	10	3.4	0
18/06/2023 07:30	2.6	84	11	3.3	0
18/06/2023 07:40	2.4	93	11	3.5	0
18/06/2023 07:50	2.3	96	11	3.1	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/06/2023 08:00	2.4	98	11	3.3	0
18/06/2023 08:10	2.7	105	11	3.5	0
18/06/2023 08:20	2.9	107	11	4	0
18/06/2023 08:30	3	116	11	4	0
18/06/2023 08:40	3.2	118	10	4.2	0
18/06/2023 08:50	3.2	116	11	4.4	0
18/06/2023 09:00	2.9	112	10	4	0
18/06/2023 09:10	2.2	125	14	2.9	0
18/06/2023 09:20	2.3	106	15	3.1	0
18/06/2023 09:30	2.8	115	14	4.1	0
18/06/2023 09:40	2.1	115	17	3.8	0
18/06/2023 09:50	2.1	99	11	2.8	0
18/06/2023 10:00	1.9	116	15	2.9	0
18/06/2023 10:10	2.1	118	15	3.1	0
18/06/2023 10:20	2.2	105	11	3.1	0
18/06/2023 10:30	2.3	112	15	3.2	0
18/06/2023 10:40	2.8	121	11	3.8	0
18/06/2023 10:50	2.8	118	10	3.4	0
18/06/2023 11:00	2.1	124	16	2.9	0
18/06/2023 11:10	1	132	21	1.8	0
18/06/2023 11:20	1.2	136	19	1.9	0
18/06/2023 11:30	1.4	139	24	2.6	0
18/06/2023 11:40	2	125	21	3	0
18/06/2023 11:50	2.5	131	22	3.5	0
18/06/2023 12:00	2.6	124	18	4	0
18/06/2023 12:10	2.8	129	15	4.4	0
18/06/2023 12:20	2.7	115	15	4	0
18/06/2023 12:30	2.5	112	14	3.8	0
18/06/2023 12:40	2.1	122	16	2.9	0
18/06/2023 12:50	1.9	137	16	2.5	0
18/06/2023 13:00	2.3	138	16	3.2	0
18/06/2023 13:10	1.9	136	17	2.7	0.2
18/06/2023 13:20	1.7	138	29	2.8	0
18/06/2023 13:30	1.9	124	13	2.6	0
18/06/2023 13:40	2.1	116	12	2.8	0
18/06/2023 13:50	1.9	85	15	2.6	0
18/06/2023 14:00	1.7	65	22	2.4	0
18/06/2023 14:10	2.2	85	13	3.6	0
18/06/2023 14:20	2.5	100	13	3.3	0
18/06/2023 14:30	3.2	80	13	4.2	0
18/06/2023 14:40	3	83	10	4	0
18/06/2023 14:50	2.3	107	16	3.4	0
18/06/2023 15:00	2.1	132	17	3.2	0
18/06/2023 15:10	2.6	115	12	3.4	0
18/06/2023 15:20	2.2	127	18	3.3	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/06/2023 15:30	2.1	141	15	2.9	0
18/06/2023 15:40	2.4	109	11	3.2	0
18/06/2023 15:50	2.5	102	10	3.4	0
18/06/2023 16:00	2.6	100	9	3.2	0
18/06/2023 16:10	2.7	103	11	3.7	0
18/06/2023 16:20	2.8	105	10	4	0
18/06/2023 16:30	2.4	101	11	3.5	0
18/06/2023 16:40	1.5	101	14	2.3	0
18/06/2023 16:50	1.2	117	15	1.6	0
18/06/2023 17:00	1.9	127	14	3.2	0
18/06/2023 17:10	2.4	137	17	3.8	0
18/06/2023 17:20	3.3	133	15	4.4	0
18/06/2023 17:30	3.1	131	17	4.4	0
18/06/2023 17:40	4.2	140	17	6.1	0
18/06/2023 17:50	4	134	14	5.7	0
18/06/2023 18:00	4.4	128	15	5.9	0
18/06/2023 18:10	4.4	137	17	6	0
18/06/2023 18:20	3.5	133	15	5.3	0
18/06/2023 18:30	3.9	132	16	5.4	0
18/06/2023 18:40	3.5	133	16	5.4	0
18/06/2023 18:50	3.5	135	14	5.1	0
18/06/2023 19:00	3.6	126	14	4.9	0
18/06/2023 19:10	3.2	127	14	4.9	0.1
18/06/2023 19:20	2.5	122	13	3.6	0.1
18/06/2023 19:30	2.6	115	13	3.6	0
18/06/2023 19:40	2.3	117	13	3	0
18/06/2023 19:50	2.2	123	15	3.2	0
18/06/2023 20:00	2.9	122	17	4	0
18/06/2023 20:10	2.6	122	14	3.6	0
18/06/2023 20:20	2.8	123	15	4.2	0
18/06/2023 20:30	2.9	123	15	4.3	0
18/06/2023 20:40	2.6	119	14	4	0
18/06/2023 20:50	2.1	127	17	3.5	0.1
18/06/2023 21:00	2.7	133	17	4	0.1
18/06/2023 21:10	2.8	133	18	4.7	0
18/06/2023 21:20	2.9	138	16	4.3	0
18/06/2023 21:30	2.3	148	33	3.6	0.1
18/06/2023 21:40	2.8	138	21	4.5	0.2
18/06/2023 21:50	2	141	46	3.8	0
18/06/2023 22:00	2.9	145	35	5.2	0.2
18/06/2023 22:10	2.7	141	25	3.8	0.3
18/06/2023 22:20	2.8	127	18	4.3	0
18/06/2023 22:30	3	133	17	4.6	0.1
18/06/2023 22:40	2.7	118	13	4.2	0.1
18/06/2023 22:50	2.6	113	15	4.4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/06/2023 23:00	2.4	107	15	3.5	0
18/06/2023 23:10	2.1	115	15	3.6	0
18/06/2023 23:20	2.3	101	16	4.5	0.2
18/06/2023 23:30	1.3	101	22	2	0.2
18/06/2023 23:40	1.4	133	22	2.4	0
18/06/2023 23:50	1.2	120	27	2.5	0.1
19/06/2023 00:00	1.5	108	12	2.4	0.3
19/06/2023 00:10	1.3	102	13	2.2	0
19/06/2023 00:20	1.5	106	16	2.8	0
19/06/2023 00:30	1.8	107	14	2.7	0.2
19/06/2023 00:40	1.4	98	17	2.4	0
19/06/2023 00:50	0.9	74	23	1.8	0
19/06/2023 01:00	1.6	94	25	2.8	0.2
19/06/2023 01:10	2.4	113	19	4.3	0.1
19/06/2023 01:20	2.4	118	18	4.4	0.1
19/06/2023 01:30	2.2	106	17	3.5	0.2
19/06/2023 01:40	1.7	101	15	2.7	0.1
19/06/2023 01:50	1.6	112	12	2.5	0.2
19/06/2023 02:00	1.9	105	13	3.2	0.1
19/06/2023 02:10	2.4	119	18	3.5	0.1
19/06/2023 02:20	2.4	105	13	3.2	0
19/06/2023 02:30	2.4	111	11	3.2	0
19/06/2023 02:40	2.4	105	11	3.5	0.2
19/06/2023 02:50	1.9	113	14	2.7	0.2
19/06/2023 03:00	1.9	116	11	2.6	0.2
19/06/2023 03:10	2.4	105	14	3.2	0.3
19/06/2023 03:20	3.1	98	11	3.9	0
19/06/2023 03:30	3.5	106	10	5	0
19/06/2023 03:40	3.7	111	14	5.2	0.1
19/06/2023 03:50	3.9	119	12	5.2	0
19/06/2023 04:00	4	109	13	5.2	0
19/06/2023 04:10	3.9	116	13	5.6	0.3
19/06/2023 04:20	3.4	116	11	4.9	0.3
19/06/2023 04:30	4.2	113	12	6.6	0.1
19/06/2023 04:40	3.9	114	12	5.6	0
19/06/2023 04:50	4.2	110	10	6.3	0
19/06/2023 05:00	4.3	114	10	6	0
19/06/2023 05:10	3.7	111	12	5.2	0.2
19/06/2023 05:20	3.7	110	13	4.9	0.1
19/06/2023 05:30	3.7	124	15	6	0
19/06/2023 05:40	3.6	127	14	5.6	0.2
19/06/2023 05:50	3	123	13	4.4	0.2
19/06/2023 06:00	2.9	118	14	4.4	0.1
19/06/2023 06:10	2.7	115	12	4.3	0
19/06/2023 06:20	3.4	115	11	4.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/06/2023 06:30	2.6	110	11	3.7	0.1
19/06/2023 06:40	2.6	126	14	3.7	0.2
19/06/2023 06:50	2.6	120	13	4	0.1
19/06/2023 07:00	2.7	113	11	4.3	0.2
19/06/2023 07:10	2.9	127	13	4.1	0.3
19/06/2023 07:20	2.9	124	13	4.1	0.2
19/06/2023 07:30	2.9	115	11	3.7	0.2
19/06/2023 07:40	3.4	118	11	4.9	0.1
19/06/2023 07:50	3.3	123	13	4.5	0.1
19/06/2023 08:00	2.8	125	12	3.6	0.2
19/06/2023 08:10	3.6	120	11	5.2	0.2
19/06/2023 08:20	3.8	111	12	5.4	0.1
19/06/2023 08:30	4.1	106	10	5.4	0.1
19/06/2023 08:40	4.3	112	11	6	0.1
19/06/2023 08:50	3.8	123	12	5.5	0
19/06/2023 09:00	3.7	113	10	5.5	0.1
19/06/2023 09:10	4.5	111	11	6.1	0.1
19/06/2023 09:20	4.3	113	9	5.7	0.3
19/06/2023 09:30	3.5	113	12	4.8	0.1
19/06/2023 09:40	3.8	116	12	5.2	0.3
19/06/2023 09:50	4.3	102	14	6.1	0
19/06/2023 10:00	4.9	99	10	6.8	0.3
19/06/2023 10:10	4.2	113	13	5.7	0.1
19/06/2023 10:20	3.5	120	13	5	0.1
19/06/2023 10:30	3.9	115	13	5.9	0
19/06/2023 10:40	3.4	122	14	5.1	0
19/06/2023 10:50	4.5	111	12	6.8	0
19/06/2023 11:00	5	108	11	7.5	0
19/06/2023 11:10	4.7	105	12	6.3	0
19/06/2023 11:20	5.1	106	12	7.5	0
19/06/2023 11:30	5.3	108	12	7.5	0
19/06/2023 11:40	5.6	107	13	7.8	0
19/06/2023 11:50	5.3	103	11	7.9	0
19/06/2023 12:00	4.5	100	14	6.3	0
19/06/2023 12:10	4.5	108	15	6.9	0
19/06/2023 12:20	5.1	103	12	7.2	0
19/06/2023 12:30	5.5	99	12	7.5	0
19/06/2023 12:40	6	101	11	7.9	0
19/06/2023 12:50	5.3	103	12	7.3	0
19/06/2023 13:00	4.7	105	14	6.8	0
19/06/2023 13:10	5.1	101	8	6.6	0
19/06/2023 13:20	3.9	113	13	5.5	0.2
19/06/2023 13:30	4.3	105	12	6.3	0
19/06/2023 13:40	4.6	103	10	6	0.1
19/06/2023 13:50	4.5	89	11	6.4	0.4



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/06/2023 14:00	4.4	87	10	6	0.1
19/06/2023 14:10	4.3	95	11	6	0
19/06/2023 14:20	4.8	105	8	6.3	0
19/06/2023 14:30	5	105	11	6.6	0
19/06/2023 14:40	5.2	104	11	7	0
19/06/2023 14:50	5.5	99	14	7.9	0
19/06/2023 15:00	4.8	94	10	6.6	0
19/06/2023 15:10	4.9	93	11	6.6	0
19/06/2023 15:20	4.9	91	11	6.9	0
19/06/2023 15:30	4.7	90	11	6.8	0
19/06/2023 15:40	5.2	90	11	7.1	0
19/06/2023 15:50	4.3	87	12	6	0
19/06/2023 16:00	4.9	90	11	7.3	0
19/06/2023 16:10	5.1	94	11	7.7	0
19/06/2023 16:20	5.2	93	13	7.2	0
19/06/2023 16:30	5.6	94	12	7.5	0
19/06/2023 16:40	5.5	92	10	7.4	0
19/06/2023 16:50	4.6	91	12	5.7	0
19/06/2023 17:00	4.4	85	11	5.8	0
19/06/2023 17:10	4.2	89	11	6.1	0
19/06/2023 17:20	4.6	93	12	6.7	0
19/06/2023 17:30	4.5	95	12	6.4	0
19/06/2023 17:40	3.8	97	12	5.2	0
19/06/2023 17:50	3.9	96	11	5.2	0
19/06/2023 18:00	3.9	97	10	5.3	0
19/06/2023 18:10	3.7	95	10	5.2	0
19/06/2023 18:20	4.2	103	10	5.9	0
19/06/2023 18:30	4.5	104	9	6.2	0
19/06/2023 18:40	4.5	101	8	5.8	0
19/06/2023 18:50	4	101	9	5.1	0
19/06/2023 19:00	3.5	103	13	5.1	0
19/06/2023 19:10	3.3	99	11	4.4	0
19/06/2023 19:20	3.7	101	9	4.8	0
19/06/2023 19:30	2.8	101	12	3.6	0
19/06/2023 19:40	4	100	11	5.5	0
19/06/2023 19:50	3.7	101	9	4.7	0
19/06/2023 20:00	3.5	99	8	4.5	0
19/06/2023 20:10	2.5	94	11	3.3	0
19/06/2023 20:20	2.1	97	11	3.4	0.2
19/06/2023 20:30	2.8	98	11	4.1	0.2
19/06/2023 20:40	3.2	98	11	4.4	0.2
19/06/2023 20:50	3.2	96	11	5.2	0.1
19/06/2023 21:00	3.5	101	11	5.3	0.1
19/06/2023 21:10	3.5	96	11	5	0
19/06/2023 21:20	3.7	92	11	5.9	0



Yara Pilbara Nitrates- Burrup Road  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/06/2023 21:30	4.2	87	10	6.1	0.2
19/06/2023 21:40	4.5	87	10	6.2	0.1
19/06/2023 21:50	4.1	92	11	5.6	0.3
19/06/2023 22:00	4.5	97	12	6.5	0.2
19/06/2023 22:10	4.4	97	12	6.7	0.3
19/06/2023 22:20	4.7	94	11	6.4	0.5
19/06/2023 22:30	5.5	90	10	7.9	0.4
19/06/2023 22:40	5.9	96	10	8.7	0.3
19/06/2023 22:50	6.3	90	10	8.4	0.1
19/06/2023 23:00	6.2	94	11	8.3	0.1
19/06/2023 23:10	6.1	99	11	8.7	0.1
19/06/2023 23:20	6.6	105	9	8.2	0.1
19/06/2023 23:30	5.1	99	10	6.8	0.2
19/06/2023 23:40	4.8	104	11	6.9	0.3
19/06/2023 23:50	5.1	111	11	7.1	0.1
20/06/2023 00:00	5.4	107	11	7.5	0.2
20/06/2023 00:10	4.3	118	11	6	0.2
20/06/2023 00:20	4.9	109	11	6.8	0.3
20/06/2023 00:30	4.2	122	15	6.4	0.2
20/06/2023 00:40	3.3	122	12	4.9	2
20/06/2023 00:50	4.3	105	14	5.7	0.7
20/06/2023 01:00	4.2	117	10	5.8	0.9
20/06/2023 01:10	2.6	125	16	3.9	0.9
20/06/2023 01:20	4.6	100	10	6.4	1.1
20/06/2023 01:30	5.1	109	11	6.7	0.5
20/06/2023 01:40	4.4	114	10	6.3	0.7
20/06/2023 01:50	4.7	124	14	7.6	1
20/06/2023 02:00	4.1	134	18	5.7	0.3
20/06/2023 02:10	4.5	121	13	6.4	0
20/06/2023 02:20	4.7	125	15	7	2.1
20/06/2023 02:30	4.9	115	12	7.3	0.3
20/06/2023 02:40	3.6	129	16	5.6	0.6
20/06/2023 02:50	3.6	132	13	5.3	0.3
20/06/2023 03:00	4.2	132	15	6.3	0.3
20/06/2023 03:10	4.5	130	16	6.8	0.6
20/06/2023 03:20	3.9	123	14	5.6	0.4
20/06/2023 03:30	3.5	123	15	5.5	1.1
20/06/2023 03:40	3.4	122	17	6.2	0.7
20/06/2023 03:50	2.8	117	15	4.4	0.7
20/06/2023 04:00	1.9	169	40	3.4	0.7
20/06/2023 04:10	3	137	24	4.4	0.6
20/06/2023 04:20	1.5	97	51	2.8	0.7
20/06/2023 04:30	1.3	216	61	2.8	1.1
20/06/2023 04:40	2.3	238	18	3.1	1.1
20/06/2023 04:50	2	147	31	3.3	2.2



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/06/2023 05:00	4	78	7	5.3	1.7
20/06/2023 05:10	5.2	80	9	6.9	0.4
20/06/2023 05:20	4.4	87	12	5.8	0.2
20/06/2023 05:30	4.2	100	10	6.1	0.1
20/06/2023 05:40	3.5	93	10	5.1	0.1
20/06/2023 05:50	3.9	97	10	5.1	0.1
20/06/2023 06:00	4.1	99	11	5.3	0.4
20/06/2023 06:10	4.4	94	12	6.2	0.4
20/06/2023 06:20	3.8	92	10	5.2	0.4
20/06/2023 06:30	4.5	100	11	5.8	0.4
20/06/2023 06:40	3.9	95	11	5.3	0.5
20/06/2023 06:50	4.8	102	10	6	0.6
20/06/2023 07:00	4.5	106	10	6	0.5
20/06/2023 07:10	4.1	93	9	5.7	0.3
20/06/2023 07:20	4	94	10	5.6	0.2
20/06/2023 07:30	3.6	92	13	5.2	0
20/06/2023 07:40	4	99	16	6.4	0.1
20/06/2023 07:50	4.8	104	10	6.3	0.2
20/06/2023 08:00	4.1	105	12	5.4	0
20/06/2023 08:10	2.9	111	15	4.4	0
20/06/2023 08:20	2.4	141	23	3.6	0
20/06/2023 08:30	2.7	133	21	4	0.2
20/06/2023 08:40	2.7	129	16	4.2	0.2
20/06/2023 08:50	1.3	153	75	2.5	0.3
20/06/2023 09:00	1.6	120	47	2.7	0.2
20/06/2023 09:10	2.4	127	16	3.7	0.1
20/06/2023 09:20	2.9	123	16	4.5	0
20/06/2023 09:30	3.8	111	13	4.9	0
20/06/2023 09:40	3.9	117	13	5.5	0
20/06/2023 09:50	3.7	117	13	5.2	0.1
20/06/2023 10:00	3.9	121	13	5.5	0.1
20/06/2023 10:10	3.6	118	14	5.6	0
20/06/2023 10:20	4	116	10	6	0
20/06/2023 10:30	4.7	119	11	6.6	0
20/06/2023 10:40	4.1	117	12	6	0
20/06/2023 10:50	3.4	116	17	5.1	0
20/06/2023 11:00	3.4	111	14	5.1	0
20/06/2023 11:10	4	110	11	5.6	0
20/06/2023 11:20	5	112	12	6.8	0
20/06/2023 11:30	4.4	109	11	6	0
20/06/2023 11:40	4.4	111	11	5.8	0
20/06/2023 11:50	4.7	104	10	6.2	0
20/06/2023 12:00	4.5	105	12	6	0
20/06/2023 12:10	3.9	106	13	5.1	0
20/06/2023 12:20	3.7	109	15	4.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/06/2023 12:30	3.6	111	15	4.9	0
20/06/2023 12:40	3.5	118	15	5.4	0
20/06/2023 12:50	3.3	107	13	4.8	0
20/06/2023 13:00	3.2	109	14	5.3	0
20/06/2023 13:10	3.1	109	14	4.6	0
20/06/2023 13:20	3.1	108	12	4.5	0
20/06/2023 13:30	3.2	106	12	4.6	0
20/06/2023 13:40	2.6	109	13	4.3	0
20/06/2023 13:50	2.9	113	11	4.2	0
20/06/2023 14:00	2.4	119	16	3.9	0
20/06/2023 14:10	2.3	108	13	3.7	0
20/06/2023 14:20	1.9	118	14	3.2	0
20/06/2023 14:30	2	110	14	3.6	0
20/06/2023 14:40	1.3	134	18	2.8	0
20/06/2023 14:50	1.9	113	13	3.1	0
20/06/2023 15:00	1	121	17	2.3	0
20/06/2023 15:10	1.3	113	19	2.6	0
20/06/2023 15:20	1.6	103	17	2.5	0
20/06/2023 15:30	1.6	88	13	2.5	0
20/06/2023 15:40	0.3	89	5	1.4	0
20/06/2023 15:50	0.6	86	14	1.9	0
20/06/2023 16:00	1.2	88	14	2.1	0
20/06/2023 16:10	1.6	87	13	2.3	0
20/06/2023 16:20	1.7	94	12	2.3	0
20/06/2023 16:30	1.4	98	11	2.4	0
20/06/2023 16:40	1.7	95	9	2.2	0
20/06/2023 16:50	1.6	84	13	2.2	0
20/06/2023 17:00	1.8	82	10	2.6	0
20/06/2023 17:10	1.7	85	9	2.4	0
20/06/2023 17:20	1.3	76	10	2.5	0
20/06/2023 17:30	1.9	70	8	3.1	0
20/06/2023 17:40	1.9	72	11	3.2	0
20/06/2023 17:50	2.2	67	10	3.2	0
20/06/2023 18:00	2.1	59	10	3.3	0
20/06/2023 18:10	2.4	56	10	3.6	0
20/06/2023 18:20	2.3	55	11	3.5	0
20/06/2023 18:30	1.6	52	11	2.4	0
20/06/2023 18:40	1.1	58	13	1.6	0
20/06/2023 18:50	0.4	62	8	1	0
20/06/2023 19:00	0	39	0	0.4	0
20/06/2023 19:10					0
20/06/2023 19:20					0
20/06/2023 19:30					0
20/06/2023 19:40	0.7	30	10	1.2	0
20/06/2023 19:50	0.1	42	3	0.6	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/06/2023 20:00					0
20/06/2023 20:10					0
20/06/2023 20:20					0
20/06/2023 20:30					0
20/06/2023 20:40					0
20/06/2023 20:50					0
20/06/2023 21:00					0
20/06/2023 21:10					0
20/06/2023 21:20					0
20/06/2023 21:30					0
20/06/2023 21:40					0
20/06/2023 21:50					0
20/06/2023 22:00					0
20/06/2023 22:10	0.2	221	7	0.8	0
20/06/2023 22:20	1.3	232	8	1.8	0
20/06/2023 22:30	1.3	244	10	1.7	0
20/06/2023 22:40	1.6	251	8	2.1	0
20/06/2023 22:50	0.7	233	13	1.2	0
20/06/2023 23:00	0.2	261	5	0.6	0
20/06/2023 23:10	0.5	263	7	0.8	0
20/06/2023 23:20	0.8	253	7	1.4	0
20/06/2023 23:30	1	260	7	1.6	0
20/06/2023 23:40	0.5	266	9	1.2	0
20/06/2023 23:50	1.4	252	12	2	0
21/06/2023 00:00	1.5	251	9	2	0
21/06/2023 00:10	1.3	241	7	1.8	0
21/06/2023 00:20	0.3	263	3	0.8	0
21/06/2023 00:30	0.5	63	10	0.8	0
21/06/2023 00:40	0.2	66	6	0.6	0
21/06/2023 00:50	0.4	297	6	1.1	0
21/06/2023 01:00	1.1	274	6	1.4	0
21/06/2023 01:10	1.4	251	6	1.6	0
21/06/2023 01:20	1.1	234	9	1.5	0
21/06/2023 01:30	0.7	248	5	1.2	0
21/06/2023 01:40	0.4	22	6	1.1	0
21/06/2023 01:50	0.6	280	8	1.1	0
21/06/2023 02:00	0.7	245	10	1.2	0
21/06/2023 02:10	0.2	12	7	0.8	0
21/06/2023 02:20					0
21/06/2023 02:30					0
21/06/2023 02:40					0
21/06/2023 02:50	0.5	294	4	0.9	0
21/06/2023 03:00	0.6	286	9	0.9	0
21/06/2023 03:10	0.9	265	4	1.4	0
21/06/2023 03:20	0.7	251	12	1.4	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/06/2023 03:30					0
21/06/2023 03:40					0
21/06/2023 03:50	0.2	304	2	0.6	0
21/06/2023 04:00					0
21/06/2023 04:10					0
21/06/2023 04:20					0
21/06/2023 04:30					0
21/06/2023 04:40					0
21/06/2023 04:50					0
21/06/2023 05:00					0
21/06/2023 05:10					0
21/06/2023 05:20					0
21/06/2023 05:30					0
21/06/2023 05:40					0
21/06/2023 05:50	0.1	105	2	0.9	0
21/06/2023 06:00	0.2	191	13	0.8	0
21/06/2023 06:10	0.7	251	10	1.4	0
21/06/2023 06:20	0.8	229	21	1.4	0
21/06/2023 06:30	0.2	223	20	0.8	0
21/06/2023 06:40	0.2	206	42	0.7	0
21/06/2023 06:50	0.7	276	69	1.5	0
21/06/2023 07:00	0.7	261	68	1.4	0
21/06/2023 07:10	0.8	154	57	1.6	0
21/06/2023 07:20	1.1	191	57	2.2	0
21/06/2023 07:30	1.2	148	39	2.2	0.1
21/06/2023 07:40	1.2	136	20	1.6	0
21/06/2023 07:50	0.7	119	13	1.4	0
21/06/2023 08:00	0.9	117	22	1.6	0
21/06/2023 08:10	0.4	88	42	1.2	0
21/06/2023 08:20	0.9	132	46	1.9	0
21/06/2023 08:30	1.4	101	17	2.4	0
21/06/2023 08:40	0.8	67	22	2.1	0
21/06/2023 08:50	1.3	99	27	2.4	0
21/06/2023 09:00	2.1	118	20	3.3	0
21/06/2023 09:10	2.1	135	22	3.5	0
21/06/2023 09:20	1.6	139	26	3.2	0
21/06/2023 09:30	1.1	135	23	2.4	0
21/06/2023 09:40	1.6	124	51	2.8	0
21/06/2023 09:50	2.3	138	29	4	0
21/06/2023 10:00	2.2	138	32	3.8	0
21/06/2023 10:10	3	138	29	4.8	0
21/06/2023 10:20	3.6	135	21	5.3	0
21/06/2023 10:30	4	138	21	6	0
21/06/2023 10:40	4.4	129	16	5.8	0
21/06/2023 10:50	3.7	135	15	4.9	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/06/2023 11:00	3.6	126	16	5.1	0
21/06/2023 11:10	3.6	128	16	5.3	0
21/06/2023 11:20	3.2	123	19	5.2	0
21/06/2023 11:30	3.3	113	14	4.8	0
21/06/2023 11:40	3.3	115	14	4.8	0
21/06/2023 11:50	3.6	98	13	4.9	0
21/06/2023 12:00	3.8	99	12	5.2	0
21/06/2023 12:10	3.4	104	15	4.8	0
21/06/2023 12:20	3.3	98	15	4.8	0
21/06/2023 12:30	3.2	107	22	4.5	0
21/06/2023 12:40	3.6	98	17	4.8	0
21/06/2023 12:50	3.1	101	16	4.6	0
21/06/2023 13:00	2.4	116	19	3.6	0
21/06/2023 13:10	1.8	145	38	2.9	0
21/06/2023 13:20	1.8	135	39	3.5	0
21/06/2023 13:30	1.5	146	38	2.8	0
21/06/2023 13:40	2.1	245	32	3.9	0
21/06/2023 13:50	4	292	14	5.1	0
21/06/2023 14:00	3.6	283	16	5.1	0
21/06/2023 14:10	2.8	274	20	4.1	0
21/06/2023 14:20	2.6	284	22	3.6	0
21/06/2023 14:30	2.5	308	16	3.4	0
21/06/2023 14:40	3.5	282	18	5.2	0
21/06/2023 14:50	4.5	261	12	6.2	0
21/06/2023 15:00	4.8	257	12	6.2	0
21/06/2023 15:10	4.4	259	15	5.8	0
21/06/2023 15:20	4.5	254	13	6	0
21/06/2023 15:30	4.7	255	11	5.8	0
21/06/2023 15:40	4.2	258	15	6.1	0
21/06/2023 15:50	4.9	250	10	6.3	0
21/06/2023 16:00	4.9	255	12	6.7	0
21/06/2023 16:10	3.9	257	15	5.6	0
21/06/2023 16:20	4.3	257	12	5.9	0
21/06/2023 16:30	4.4	254	11	6	0
21/06/2023 16:40	4	260	13	5.5	0
21/06/2023 16:50	4.4	257	13	6.4	0
21/06/2023 17:00	4.1	258	11	6.4	0
21/06/2023 17:10	4.5	256	11	6.2	0
21/06/2023 17:20	3.9	259	13	5.6	0
21/06/2023 17:30	4	257	11	5.6	0
21/06/2023 17:40	4.5	258	12	6.3	0
21/06/2023 17:50	4.2	259	12	6	0
21/06/2023 18:00	4	263	10	5.3	0
21/06/2023 18:10	3.8	262	10	5.1	0
21/06/2023 18:20	2.7	260	11	4.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/06/2023 18:30	2.7	261	10	4	0
21/06/2023 18:40	2.5	262	11	3.6	0
21/06/2023 18:50	2.5	261	10	3.3	0
21/06/2023 19:00	2.6	264	9	3.2	0
21/06/2023 19:10	2.6	269	10	3.2	0
21/06/2023 19:20	2.4	263	8	3	0
21/06/2023 19:30	2.4	259	8	3	0
21/06/2023 19:40	0.9	228	11	1.6	0
21/06/2023 19:50					0
21/06/2023 20:00					0
21/06/2023 20:10	0.2	259	4	0.9	0
21/06/2023 20:20	0.7	235	11	2	0
21/06/2023 20:30	1.6	235	16	2.5	0
21/06/2023 20:40	1.8	230	19	3	0
21/06/2023 20:50	2.5	227	18	3.6	0
21/06/2023 21:00	3.1	226	17	4.6	0
21/06/2023 21:10	3.6	216	14	4.8	0
21/06/2023 21:20	2.6	218	27	3.7	0
21/06/2023 21:30	3	215	17	4	0
21/06/2023 21:40	3.5	219	12	4.7	0
21/06/2023 21:50	2.8	216	18	3.6	0
21/06/2023 22:00	1.2	142	56	1.9	0
21/06/2023 22:10	1.6	131	52	2.4	0
21/06/2023 22:20	1.5	126	67	2.5	0
21/06/2023 22:30	1.3	101	69	2	0
21/06/2023 22:40	1	205	75	2	0
21/06/2023 22:50	1.3	109	70	2.4	0
21/06/2023 23:00	1.6	136	55	2.8	0
21/06/2023 23:10	1.3	130	72	2.1	0
21/06/2023 23:20	1.8	125	52	2.6	0
21/06/2023 23:30	2.6	141	27	4.2	0
21/06/2023 23:40	2.2	141	20	3.6	0
21/06/2023 23:50	2.2	137	21	3.1	0
22/06/2023 00:00	2.3	138	23	3.6	0
22/06/2023 00:10	2	138	29	3.4	0
22/06/2023 00:20	2.2	139	19	3.6	0
22/06/2023 00:30	1.8	141	39	3.1	0
22/06/2023 00:40	1.4	139	34	2.4	0
22/06/2023 00:50	1.8	121	34	3.2	0
22/06/2023 01:00	1.9	110	14	2.7	0
22/06/2023 01:10	1.8	127	16	2.5	0
22/06/2023 01:20	1.6	130	17	2.6	0
22/06/2023 01:30	1.3	68	17	1.9	0
22/06/2023 01:40	1.6	61	9	2.1	0
22/06/2023 01:50	1.7	76	9	2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/06/2023 02:00	1.4	89	12	2	0
22/06/2023 02:10	1.2	90	11	1.7	0
22/06/2023 02:20	1.8	80	12	2.4	0
22/06/2023 02:30	2.2	95	9	2.9	0
22/06/2023 02:40	2.3	100	8	3	0
22/06/2023 02:50	2.4	99	11	3.3	0
22/06/2023 03:00	2.5	104	10	3.5	0
22/06/2023 03:10	4	102	11	5.4	0
22/06/2023 03:20	3.2	100	9	4.6	0
22/06/2023 03:30	3.7	101	10	5.2	0
22/06/2023 03:40	3.2	105	9	4.4	0
22/06/2023 03:50	2.9	105	8	3.9	0
22/06/2023 04:00	3.1	108	8	4.2	0
22/06/2023 04:10	3	105	8	3.9	0
22/06/2023 04:20	3	105	9	3.9	0
22/06/2023 04:30	2.8	114	9	3.4	0
22/06/2023 04:40	2.8	111	9	3.7	0
22/06/2023 04:50	2.5	116	9	3.5	0
22/06/2023 05:00	2.3	117	8	2.9	0
22/06/2023 05:10	2.3	118	9	3.1	0
22/06/2023 05:20	2.6	120	8	3.4	0
22/06/2023 05:30	2.7	119	10	3.7	0
22/06/2023 05:40	2.4	120	10	3.3	0
22/06/2023 05:50	2.7	124	11	3.6	0
22/06/2023 06:00	2.4	117	9	3	0
22/06/2023 06:10	2.6	115	8	3.6	0
22/06/2023 06:20	2.4	110	8	3	0
22/06/2023 06:30	2.8	108	8	3.8	0
22/06/2023 06:40	3.1	105	8	3.6	0
22/06/2023 06:50	3	105	6	3.8	0
22/06/2023 07:00	2.7	111	8	3.3	0
22/06/2023 07:10	2.8	101	8	3.6	0
22/06/2023 07:20	3.3	98	10	4.3	0
22/06/2023 07:30	3.9	97	10	5.2	0
22/06/2023 07:40	5.3	96	9	7.2	0
22/06/2023 07:50	5.2	95	11	7.5	0
22/06/2023 08:00	5.7	101	12	7.5	0
22/06/2023 08:10	5.8	99	12	7.9	0
22/06/2023 08:20	6.2	100	11	8.3	0
22/06/2023 08:30	5.7	98	12	7.9	0
22/06/2023 08:40	5.9	96	10	8.9	0
22/06/2023 08:50	5.9	95	12	8.4	0
22/06/2023 09:00	6.3	100	10	8.3	0
22/06/2023 09:10	6.5	99	12	8.8	0
22/06/2023 09:20	6.8	92	12	9.1	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/06/2023 09:30	6.7	93	12	9.1	0
22/06/2023 09:40	6.3	97	12	8.7	0
22/06/2023 09:50	6.7	103	11	9.1	0
22/06/2023 10:00	6.3	99	12	8.4	0
22/06/2023 10:10	6.2	91	12	8.2	0
22/06/2023 10:20	6.4	96	13	8.3	0
22/06/2023 10:30	6.7	97	11	8.7	0
22/06/2023 10:40	6.4	99	12	8.7	0
22/06/2023 10:50	6.4	102	10	8.2	0
22/06/2023 11:00	6.2	102	11	8.8	0
22/06/2023 11:10	6.1	98	11	7.9	0
22/06/2023 11:20	5.8	99	15	7.9	0
22/06/2023 11:30	6	95	11	7.9	0
22/06/2023 11:40	6.4	98	14	8.2	0
22/06/2023 11:50	6.2	96	14	8.6	0
22/06/2023 12:00	5.8	96	11	8.1	0
22/06/2023 12:10	5.3	97	13	7.2	0
22/06/2023 12:20	5.3	97	14	7.5	0
22/06/2023 12:30	5.3	92	13	7.2	0
22/06/2023 12:40	5.4	100	13	7.2	0
22/06/2023 12:50	5.1	104	14	7.5	0
22/06/2023 13:00	5.1	93	14	7.3	0
22/06/2023 13:10	5.2	84	13	7.2	0
22/06/2023 13:20	5.4	86	13	7	0
22/06/2023 13:30	5.6	84	11	7.2	0
22/06/2023 13:40	5.2	92	13	6.9	0
22/06/2023 13:50	4.9	94	12	6.5	0
22/06/2023 14:00	4.9	92	13	7	0
22/06/2023 14:10	4.9	86	13	6.8	0
22/06/2023 14:20	5.2	80	9	7.2	0
22/06/2023 14:30	5.2	77	10	6.9	0
22/06/2023 14:40	5.2	80	10	6.8	0
22/06/2023 14:50	5	73	13	6.8	0
22/06/2023 15:00	4.5	80	12	6	0
22/06/2023 15:10	4.7	82	11	6.4	0
22/06/2023 15:20	4.3	83	12	5.3	0
22/06/2023 15:30	4.2	79	13	6	0
22/06/2023 15:40	4.1	73	12	5.3	0
22/06/2023 15:50	4.4	76	11	5.8	0
22/06/2023 16:00	3.7	72	14	5.2	0
22/06/2023 16:10	3.9	72	12	5.3	0
22/06/2023 16:20	3.8	78	11	4.9	0
22/06/2023 16:30	3.7	75	10	5.1	0
22/06/2023 16:40	3.8	73	10	5	0
22/06/2023 16:50	3.5	70	11	4.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/06/2023 17:00	3.3	73	11	4.6	0
22/06/2023 17:10	3.2	71	12	4.4	0
22/06/2023 17:20	2.9	65	11	4.4	0
22/06/2023 17:30	2.6	58	16	3.8	0
22/06/2023 17:40	2	35	15	2.9	0
22/06/2023 17:50	1.8	20	16	2.9	0
22/06/2023 18:00	1.8	11	17	2.4	0
22/06/2023 18:10	1.4	13	12	2	0
22/06/2023 18:20	1	10	19	1.6	0
22/06/2023 18:30	1.4	44	29	2.1	0
22/06/2023 18:40	0.3	104	18	0.8	0
22/06/2023 18:50	0.4	286	15	0.8	0
22/06/2023 19:00	0.2	101	5	1.1	0
22/06/2023 19:10	0.5	295	9	1.1	0
22/06/2023 19:20	0.8	280	10	1.1	0
22/06/2023 19:30	1	238	23	1.5	0
22/06/2023 19:40	1.8	250	7	2.4	0
22/06/2023 19:50	1.5	242	9	2.2	0
22/06/2023 20:00	2.6	238	14	3.9	0
22/06/2023 20:10	2.5	248	11	3.5	0
22/06/2023 20:20	2.4	245	12	3.1	0
22/06/2023 20:30	1.9	246	10	2.4	0
22/06/2023 20:40	1.8	248	12	2.4	0
22/06/2023 20:50	1.7	250	12	2.2	0
22/06/2023 21:00	1.5	253	11	2	0
22/06/2023 21:10	1.4	254	11	2	0
22/06/2023 21:20	1.8	252	11	2.6	0
22/06/2023 21:30	2.3	252	11	3.3	0
22/06/2023 21:40	2.4	251	10	3.4	0
22/06/2023 21:50	2.3	252	11	3	0
22/06/2023 22:00	2.1	253	11	2.8	0
22/06/2023 22:10	2.1	252	10	2.8	0
22/06/2023 22:20	1.7	259	11	2.4	0
22/06/2023 22:30	2.2	250	11	2.9	0
22/06/2023 22:40	1.9	256	11	2.7	0
22/06/2023 22:50	2.1	255	11	2.8	0
22/06/2023 23:00	2.6	252	12	3.3	0
22/06/2023 23:10	2.9	248	12	4	0
22/06/2023 23:20	2.8	252	10	3.6	0
22/06/2023 23:30	2.6	258	9	3.5	0
22/06/2023 23:40	2.1	253	8	3	0
22/06/2023 23:50	2.4	249	10	3.1	0
23/06/2023 00:00	2.6	255	11	3.6	0
23/06/2023 00:10	2.5	258	10	3.5	0
23/06/2023 00:20	2.3	255	11	3.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/06/2023 00:30	2.3	246	9	3.2	0
23/06/2023 00:40	2	246	9	2.7	0
23/06/2023 00:50	1.6	248	12	2	0
23/06/2023 01:00	1.3	260	12	1.8	0
23/06/2023 01:10	1.2	268	9	1.6	0
23/06/2023 01:20	1	283	8	1.3	0
23/06/2023 01:30	1.4	275	9	2.1	0
23/06/2023 01:40	0.7	250	9	2	0
23/06/2023 01:50	0.2	254	3	1.1	0
23/06/2023 02:00					0
23/06/2023 02:10					0
23/06/2023 02:20	0	290	0	0.4	0
23/06/2023 02:30	0	275	1	0.4	0
23/06/2023 02:40	0.1	264	3	0.6	0
23/06/2023 02:50	0	137	4	0.4	0
23/06/2023 03:00	0	22	0	0.4	0
23/06/2023 03:10	0	296	2	0.4	0
23/06/2023 03:20	0	256	3	0.4	0
23/06/2023 03:30	0.1	254	2	0.4	0
23/06/2023 03:40	0.1	258	3	0.4	0
23/06/2023 03:50	0	232	0	0.4	0
23/06/2023 04:00	0	263	3	0.4	0
23/06/2023 04:10	0	260	4	0.4	0
23/06/2023 04:20	0.2	254	5	0.4	0
23/06/2023 04:30	0	262	0	0.4	0
23/06/2023 04:40	0.1	162	1	0.5	0
23/06/2023 04:50	0.1	45	3	0.5	0
23/06/2023 05:00	0.5	32	9	0.8	0
23/06/2023 05:10	0.6	45	6	0.8	0
23/06/2023 05:20	0.4	54	14	0.7	0
23/06/2023 05:30	0.5	26	12	0.7	0
23/06/2023 05:40	0.2	39	9	0.5	0
23/06/2023 05:50	0.1	312	4	0.4	0
23/06/2023 06:00	0.2	354	18	0.6	0
23/06/2023 06:10	0.2	76	10	0.8	0
23/06/2023 06:20	1.9	91	11	2.8	0
23/06/2023 06:30	2.2	88	9	3.1	0
23/06/2023 06:40	2.1	88	8	2.8	0
23/06/2023 06:50	1.8	93	8	2.8	0
23/06/2023 07:00	2.3	89	9	3.2	0
23/06/2023 07:10	2.7	87	8	3.5	0
23/06/2023 07:20	3.3	90	9	4.5	0
23/06/2023 07:30	3.7	91	9	4.9	0
23/06/2023 07:40	3.8	86	9	4.8	0
23/06/2023 07:50	3.3	85	10	4.5	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/06/2023 08:00	3.7	89	11	4.8	0
23/06/2023 08:10	3.8	89	11	5.2	0
23/06/2023 08:20	4	93	10	5.8	0
23/06/2023 08:30	4.3	96	11	6.2	0
23/06/2023 08:40	4.5	96	13	6.6	0
23/06/2023 08:50	4.1	92	12	5.8	0
23/06/2023 09:00	4.7	88	12	6.4	0
23/06/2023 09:10	4.9	93	13	6.8	0
23/06/2023 09:20	4.8	98	12	6.9	0
23/06/2023 09:30	4.8	97	12	7.1	0
23/06/2023 09:40	5.4	96	14	7.8	0
23/06/2023 09:50	5.9	91	12	7.4	0
23/06/2023 10:00	5.9	104	13	8	0
23/06/2023 10:10	5.5	97	14	7.9	0
23/06/2023 10:20	5.2	89	14	7.6	0
23/06/2023 10:30	5.1	96	13	7.2	0
23/06/2023 10:40	5.4	95	14	7.7	0
23/06/2023 10:50	5.5	84	12	7.5	0
23/06/2023 11:00	6.2	82	11	8.7	0
23/06/2023 11:10	5.5	88	11	7.2	0
23/06/2023 11:20	6	79	9	7.6	0
23/06/2023 11:30	5.8	74	11	7.9	0
23/06/2023 11:40	5.7	72	13	7.5	0
23/06/2023 11:50	5.4	75	11	7.2	0
23/06/2023 12:00	4.7	80	14	6	0
23/06/2023 12:10	5.3	74	12	7.1	0
23/06/2023 12:20	5.2	75	12	6.4	0
23/06/2023 12:30	4.8	80	11	6	0
23/06/2023 12:40	4.5	89	16	6.4	0
23/06/2023 12:50	4.3	93	13	5.9	0
23/06/2023 13:00	4.6	94	13	6.4	0
23/06/2023 13:10	4.7	79	12	6.3	0
23/06/2023 13:20	4.7	79	12	6.2	0
23/06/2023 13:30	4.4	72	12	6.2	0
23/06/2023 13:40	4.4	75	12	6.3	0
23/06/2023 13:50	4.4	73	13	6	0
23/06/2023 14:00	4.2	83	13	5.8	0
23/06/2023 14:10	4.1	78	12	5.6	0
23/06/2023 14:20	4.2	75	14	5.4	0
23/06/2023 14:30	4	79	13	5.2	0
23/06/2023 14:40	3.9	83	13	5.3	0
23/06/2023 14:50	3.7	71	14	5	0
23/06/2023 15:00	3.1	83	13	4.8	0
23/06/2023 15:10	3	79	15	4.4	0
23/06/2023 15:20	3	76	15	4.5	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/06/2023 15:30	2.7	77	18	4	0
23/06/2023 15:40	2.5	78	17	3.7	0
23/06/2023 15:50	2	77	28	2.9	0
23/06/2023 16:00	1.5	132	45	2.8	0
23/06/2023 16:10	1.6	244	52	2.5	0
23/06/2023 16:20	1.2	12	38	1.7	0
23/06/2023 16:30	1.8	181	27	3.1	0
23/06/2023 16:40	1.9	14	22	2.9	0
23/06/2023 16:50	2.1	310	29	3.6	0
23/06/2023 17:00	1.2	185	48	2.4	0
23/06/2023 17:10	1.5	159	46	2.4	0
23/06/2023 17:20	1.5	311	41	2.8	0
23/06/2023 17:30	1.7	302	28	2.7	0
23/06/2023 17:40	1.1	326	33	2	0
23/06/2023 17:50	1.6	305	21	2.8	0
23/06/2023 18:00	1.6	310	18	2.8	0
23/06/2023 18:10	1.1	153	28	2.2	0
23/06/2023 18:20	1.7	281	21	2.3	0
23/06/2023 18:30	1.7	271	13	2.3	0
23/06/2023 18:40	1.4	290	16	2.1	0
23/06/2023 18:50	1.4	269	21	2.1	0
23/06/2023 19:00	1.3	271	28	2.1	0
23/06/2023 19:10	1.5	276	27	2.4	0
23/06/2023 19:20	1.9	259	7	2.3	0
23/06/2023 19:30	0.8	285	14	1.2	0
23/06/2023 19:40	0.8	280	12	1.2	0
23/06/2023 19:50	1.8	258	6	2.2	0
23/06/2023 20:00	1.4	250	8	1.9	0
23/06/2023 20:10	1.3	251	7	1.7	0
23/06/2023 20:20	1.5	246	11	2	0
23/06/2023 20:30	2.1	254	8	2.6	0
23/06/2023 20:40	2.1	256	7	2.5	0
23/06/2023 20:50	1.3	232	13	1.9	0
23/06/2023 21:00	2	253	7	2.4	0
23/06/2023 21:10	1.5	237	6	1.6	0
23/06/2023 21:20	1.5	240	6	1.8	0
23/06/2023 21:30	1.4	242	7	1.7	0
23/06/2023 21:40	1.2	248	7	1.5	0
23/06/2023 21:50	0.8	231	13	1	0
23/06/2023 22:00	0	239	2	0.4	0
23/06/2023 22:10					0
23/06/2023 22:20					0
23/06/2023 22:30					0
23/06/2023 22:40					0
23/06/2023 22:50					0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/06/2023 23:00	0.8	265	4	1.4	0
23/06/2023 23:10	1.3	261	5	1.6	0
23/06/2023 23:20	1.6	263	6	2	0
23/06/2023 23:30	1.7	266	6	2	0
23/06/2023 23:40	1.5	261	6	2	0
23/06/2023 23:50	1.2	263	5	1.4	0
24/06/2023 00:00	1.2	265	6	1.5	0
24/06/2023 00:10	0.6	273	4	1.2	0
24/06/2023 00:20					0
24/06/2023 00:30					0
24/06/2023 00:40					0
24/06/2023 00:50					0
24/06/2023 01:00	0	288	0	0.4	0
24/06/2023 01:10	0	265	1	0.4	0
24/06/2023 01:20	0	262	1	0.4	0
24/06/2023 01:30	0	256	0	0.4	0
24/06/2023 01:40	0	262	0	0.4	0
24/06/2023 01:50					0
24/06/2023 02:00					0
24/06/2023 02:10	0	275	3	0.4	0
24/06/2023 02:20	0	266	2	0.4	0
24/06/2023 02:30	0.1	263	2	0.4	0
24/06/2023 02:40					0
24/06/2023 02:50	0.2	293	3	0.5	0
24/06/2023 03:00	0.1	292	2	0.4	0
24/06/2023 03:10					0
24/06/2023 03:20	0	230	0	0.4	0
24/06/2023 03:30					0
24/06/2023 03:40	0	279	2	0.6	0
24/06/2023 03:50	0.4	270	15	0.7	0
24/06/2023 04:00	0	295	0	0.4	0
24/06/2023 04:10					0
24/06/2023 04:20	0.2	60	5	0.6	0
24/06/2023 04:30	0	107	4	0.5	0
24/06/2023 04:40	0	169	15	0.4	0
24/06/2023 04:50	0.2	109	5	0.7	0
24/06/2023 05:00	0.1	111	5	0.4	0
24/06/2023 05:10	0.4	132	12	1	0
24/06/2023 05:20	0	197	8	0.4	0
24/06/2023 05:30	0.8	326	45	1.6	0
24/06/2023 05:40	0.6	24	28	1.6	0
24/06/2023 05:50	0.6	80	36	1.4	0
24/06/2023 06:00	1.6	103	12	2.4	0
24/06/2023 06:10	2.2	105	10	3	0
24/06/2023 06:20	3	107	8	4.4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/06/2023 06:30	3.4	104	8	4.4	0
24/06/2023 06:40	2.7	103	8	3.7	0
24/06/2023 06:50	1.8	95	9	3	0
24/06/2023 07:00	2.2	94	10	3.4	0
24/06/2023 07:10	2.6	90	10	3.6	0
24/06/2023 07:20	1.7	92	9	3.1	0
24/06/2023 07:30	1.8	84	8	2.8	0
24/06/2023 07:40	2.3	84	8	3.1	0
24/06/2023 07:50	2.4	88	10	3.2	0
24/06/2023 08:00	2.2	94	9	2.8	0
24/06/2023 08:10	2.1	93	11	3	0
24/06/2023 08:20	3.2	88	11	4.5	0
24/06/2023 08:30	3.2	96	11	4.3	0
24/06/2023 08:40	2.3	103	13	4	0
24/06/2023 08:50	3.5	106	16	5.3	0
24/06/2023 09:00	3.9	101	12	5.2	0
24/06/2023 09:10	4.9	101	12	7	0
24/06/2023 09:20	4.1	103	13	6.3	0
24/06/2023 09:30	4.6	106	11	6.2	0
24/06/2023 09:40	5.1	105	13	7.6	0
24/06/2023 09:50	5.4	101	9	6.9	0
24/06/2023 10:00	5	105	13	7	0
24/06/2023 10:10	6.4	102	12	8.3	0
24/06/2023 10:20	5.9	92	12	8	0
24/06/2023 10:30	5.7	93	13	7.8	0
24/06/2023 10:40	5.8	90	13	8.4	0
24/06/2023 10:50	5.8	95	13	7.9	0
24/06/2023 11:00	5.8	97	13	7.9	0
24/06/2023 11:10	5.8	98	14	8.2	0
24/06/2023 11:20	4.9	89	12	7	0
24/06/2023 11:30	4.6	96	13	6.4	0
24/06/2023 11:40	5.4	92	13	7.2	0
24/06/2023 11:50	5.4	91	13	7.2	0
24/06/2023 12:00	5.6	94	10	7.6	0
24/06/2023 12:10	5.4	95	14	7.9	0
24/06/2023 12:20	5.6	90	13	7.7	0
24/06/2023 12:30	5.8	88	13	8.9	0
24/06/2023 12:40	5.2	89	13	7.5	0
24/06/2023 12:50	5.3	86	14	7.5	0
24/06/2023 13:00	5.5	74	14	7.5	0
24/06/2023 13:10	5.1	78	15	7.3	0
24/06/2023 13:20	4.6	80	11	6	0
24/06/2023 13:30	5	82	11	6.9	0
24/06/2023 13:40	4.9	84	12	6.8	0
24/06/2023 13:50	4.9	83	13	7	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/06/2023 14:00	5.2	71	11	6.8	0
24/06/2023 14:10	5.2	77	11	6.4	0
24/06/2023 14:20	4.8	74	10	6.6	0
24/06/2023 14:30	4.4	83	12	5.9	0
24/06/2023 14:40	4.4	80	12	6.3	0
24/06/2023 14:50	4.2	78	13	5.8	0
24/06/2023 15:00	3.8	75	13	5.1	0
24/06/2023 15:10	3.6	78	15	5.2	0
24/06/2023 15:20	3.6	70	14	5.1	0
24/06/2023 15:30	3.5	71	14	5.2	0
24/06/2023 15:40	3.7	63	12	5	0
24/06/2023 15:50	3.3	63	15	4.4	0
24/06/2023 16:00	3.4	58	13	4.3	0
24/06/2023 16:10	3.6	58	15	4.6	0
24/06/2023 16:20	3.1	64	13	4.3	0
24/06/2023 16:30	3	58	12	4.3	0
24/06/2023 16:40	3.4	62	11	4.4	0
24/06/2023 16:50	3.2	61	12	4.2	0
24/06/2023 17:00	3.2	57	9	4.4	0
24/06/2023 17:10	2.7	54	11	3.6	0
24/06/2023 17:20	2.5	38	13	3.1	0
24/06/2023 17:30	2.2	39	11	2.8	0
24/06/2023 17:40	2.2	35	12	2.9	0
24/06/2023 17:50	2.4	40	10	3.2	0
24/06/2023 18:00	2.4	41	9	3	0
24/06/2023 18:10	2.5	37	11	3.3	0
24/06/2023 18:20	2.7	36	12	3.5	0
24/06/2023 18:30	2.5	37	11	3.3	0
24/06/2023 18:40	2.1	35	11	2.8	0
24/06/2023 18:50	1	61	15	1.8	0
24/06/2023 19:00	0.4	146	47	1	0
24/06/2023 19:10	0.7	274	14	1.1	0
24/06/2023 19:20	0.5	290	6	0.8	0
24/06/2023 19:30					0
24/06/2023 19:40					0
24/06/2023 19:50	0.6	280	16	0.9	0
24/06/2023 20:00	0.1	296	1	0.9	0
24/06/2023 20:10	1.1	297	3	1.2	0
24/06/2023 20:20	1	298	3	1.2	0
24/06/2023 20:30	1	292	4	1.2	0
24/06/2023 20:40	0.5	309	7	0.9	0
24/06/2023 20:50	0.5	311	16	0.8	0
24/06/2023 21:00					0
24/06/2023 21:10	0.1	305	1	0.8	0
24/06/2023 21:20	0.7	314	11	1	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/06/2023 21:30	0.1	187	6	0.7	0
24/06/2023 21:40					0
24/06/2023 21:50	0.5	253	17	1	0
24/06/2023 22:00	1.2	301	5	1.4	0
24/06/2023 22:10	1	290	11	1.2	0
24/06/2023 22:20	0.6	272	9	1	0
24/06/2023 22:30	0.7	273	5	1.2	0
24/06/2023 22:40	0.3	268	7	0.9	0
24/06/2023 22:50	1.3	241	8	1.8	0
24/06/2023 23:00	1.1	275	12	1.5	0
24/06/2023 23:10	1.9	256	8	2.4	0
24/06/2023 23:20	2.3	250	8	2.8	0
24/06/2023 23:30	2.3	253	8	2.9	0
24/06/2023 23:40	2.1	254	10	2.6	0
24/06/2023 23:50	1.4	239	10	1.7	0
25/06/2023 00:00	1.1	239	41	2	0
25/06/2023 00:10	0.6	168	8	1.2	0
25/06/2023 00:20	1.1	282	17	1.6	0
25/06/2023 00:30	1.5	248	12	2.1	0
25/06/2023 00:40	1.6	257	12	2	0
25/06/2023 00:50	1.6	269	11	2.1	0
25/06/2023 01:00	1.9	251	9	2.7	0
25/06/2023 01:10	1.5	260	12	2.1	0
25/06/2023 01:20	0.6	245	23	1.1	0
25/06/2023 01:30	1.9	256	11	2.6	0
25/06/2023 01:40	1.8	253	11	2.4	0
25/06/2023 01:50	1	245	13	1.6	0
25/06/2023 02:00	0.3	261	12	0.8	0
25/06/2023 02:10	0.4	265	16	0.9	0
25/06/2023 02:20	1.5	253	11	2.3	0
25/06/2023 02:30	1.6	252	13	2.3	0
25/06/2023 02:40	1.2	264	16	1.7	0
25/06/2023 02:50	1.2	263	12	1.6	0
25/06/2023 03:00	1.2	251	13	2.2	0
25/06/2023 03:10	1.7	248	10	2.4	0
25/06/2023 03:20	1.7	250	12	2.8	0
25/06/2023 03:30	1.6	258	12	2	0
25/06/2023 03:40	1.6	248	16	2.3	0
25/06/2023 03:50	1.5	253	13	2	0
25/06/2023 04:00	1.7	256	13	2.3	0
25/06/2023 04:10	1.5	260	10	2	0
25/06/2023 04:20	1.1	265	12	1.5	0
25/06/2023 04:30	1.3	275	9	1.6	0
25/06/2023 04:40	1.3	267	10	1.6	0
25/06/2023 04:50	1.2	274	10	1.5	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/06/2023 05:00	1.2	270	9	1.6	0
25/06/2023 05:10	1.1	270	11	1.5	0
25/06/2023 05:20	0.9	266	18	1.2	0
25/06/2023 05:30	0.8	280	14	1.1	0
25/06/2023 05:40	0	273	0	0.6	0
25/06/2023 05:50					0
25/06/2023 06:00	1.1	237	20	2	0
25/06/2023 06:10	0.6	236	14	1.9	0
25/06/2023 06:20	0.2	235	14	1.2	0
25/06/2023 06:30	0.2	197	7	0.9	0
25/06/2023 06:40	0.9	284	15	1.3	0
25/06/2023 06:50	0.6	289	15	1.2	0
25/06/2023 07:00	0.6	320	8	1.2	0
25/06/2023 07:10	0.7	76	11	1.4	0
25/06/2023 07:20	1	63	13	1.4	0
25/06/2023 07:30	0.7	42	21	1.2	0
25/06/2023 07:40	1.2	90	15	1.8	0
25/06/2023 07:50	1.6	91	10	2.6	0
25/06/2023 08:00	1.6	84	12	2.3	0
25/06/2023 08:10	1.6	77	13	2.2	0
25/06/2023 08:20	1.3	111	27	1.9	0
25/06/2023 08:30	1.9	145	40	3.1	0
25/06/2023 08:40	2.4	135	21	3.4	0
25/06/2023 08:50	2.5	123	15	3.7	0
25/06/2023 09:00	3.1	119	11	4	0
25/06/2023 09:10	2.7	135	14	3.7	0
25/06/2023 09:20	2.7	132	16	3.8	0
25/06/2023 09:30	3.1	117	10	4.3	0
25/06/2023 09:40	2.6	111	13	3.6	0
25/06/2023 09:50	2.5	103	13	3.4	0
25/06/2023 10:00	2.4	113	15	3.2	0
25/06/2023 10:10	2.4	122	20	3.4	0
25/06/2023 10:20	2.6	112	16	3.8	0
25/06/2023 10:30	2.5	102	16	4	0
25/06/2023 10:40	2.7	90	13	4.2	0
25/06/2023 10:50	3.4	102	12	4.6	0
25/06/2023 11:00	3.3	105	12	4.4	0
25/06/2023 11:10	3.3	105	20	4.4	0
25/06/2023 11:20	3.6	102	14	5	0
25/06/2023 11:30	3.5	95	15	5.3	0
25/06/2023 11:40	3.8	103	14	5	0
25/06/2023 11:50	3.4	105	13	5.3	0
25/06/2023 12:00	3.5	113	16	5.1	0
25/06/2023 12:10	3.2	102	18	4.8	0
25/06/2023 12:20	3.3	87	14	4.7	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/06/2023 12:30	3.3	85	15	5.2	0
25/06/2023 12:40	3.2	92	13	4.4	0
25/06/2023 12:50	3.7	88	14	5	0
25/06/2023 13:00	4.1	82	11	5.6	0
25/06/2023 13:10	4	86	14	6	0
25/06/2023 13:20	4	85	13	5.5	0
25/06/2023 13:30	4.6	80	11	6.6	0
25/06/2023 13:40	4.8	84	12	6	0
25/06/2023 13:50	4.9	85	12	6.4	0
25/06/2023 14:00	4.4	87	12	5.6	0
25/06/2023 14:10	4.1	85	11	5.6	0
25/06/2023 14:20	3.7	79	15	5.2	0
25/06/2023 14:30	3.8	86	12	5	0
25/06/2023 14:40	3.6	86	16	4.8	0
25/06/2023 14:50	3.4	82	12	4.6	0
25/06/2023 15:00	3	82	15	4.1	0
25/06/2023 15:10	3	86	12	4.2	0
25/06/2023 15:20	3	75	14	3.9	0
25/06/2023 15:30	2.4	64	17	3.7	0
25/06/2023 15:40	2.1	84	18	3	0
25/06/2023 15:50	2.3	91	13	3.2	0
25/06/2023 16:00	2.2	86	15	3	0
25/06/2023 16:10	1.7	92	17	2.7	0
25/06/2023 16:20	1.6	56	13	2.4	0
25/06/2023 16:30	1.5	185	24	2.4	0
25/06/2023 16:40	1.5	175	27	2.5	0
25/06/2023 16:50	1.5	11	30	2.6	0
25/06/2023 17:00	2.1	18	23	2.8	0
25/06/2023 17:10	1.8	20	20	2.9	0
25/06/2023 17:20	1.9	8	23	2.9	0
25/06/2023 17:30	2.1	31	18	3.3	0
25/06/2023 17:40	2.5	30	17	3.5	0
25/06/2023 17:50	1.9	32	20	2.9	0
25/06/2023 18:00	1.9	26	18	2.8	0
25/06/2023 18:10	1.3	34	29	2.2	0
25/06/2023 18:20	0.9	109	47	2	0
25/06/2023 18:30	1.2	50	51	2.5	0
25/06/2023 18:40	1.5	331	44	2.7	0
25/06/2023 18:50	1.3	336	51	2.3	0
25/06/2023 19:00	1.7	285	18	2.8	0
25/06/2023 19:10	2	263	12	2.9	0
25/06/2023 19:20	2.2	263	11	2.9	0
25/06/2023 19:30	2.5	264	11	3	0
25/06/2023 19:40	2.6	261	9	3.2	0
25/06/2023 19:50	1.9	267	15	2.4	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/06/2023 20:00	1.9	253	12	2.5	0
25/06/2023 20:10	2.3	253	9	2.8	0
25/06/2023 20:20	2.5	256	8	3.1	0
25/06/2023 20:30	2.5	256	7	2.9	0
25/06/2023 20:40	2.6	257	7	3	0
25/06/2023 20:50	2.7	255	6	3.1	0
25/06/2023 21:00	2.6	255	6	3.1	0
25/06/2023 21:10	2.1	259	3	2.4	0
25/06/2023 21:20	2	262	4	2.3	0
25/06/2023 21:30	2.2	260	5	2.4	0
25/06/2023 21:40	2.2	257	5	2.5	0
25/06/2023 21:50	1.9	251	8	2.5	0
25/06/2023 22:00	1.6	259	4	1.9	0
25/06/2023 22:10	1.7	257	3	1.8	0
25/06/2023 22:20	1.5	251	6	1.8	0
25/06/2023 22:30	1.3	241	6	1.5	0
25/06/2023 22:40	1.6	243	5	1.9	0
25/06/2023 22:50	2.1	240	10	2.5	0
25/06/2023 23:00	2.1	254	8	2.5	0
25/06/2023 23:10	2	255	7	2.5	0
25/06/2023 23:20	1.6	250	8	2	0
25/06/2023 23:30	1.3	259	6	1.7	0
25/06/2023 23:40	1.8	260	7	2.1	0
25/06/2023 23:50	2	259	7	2.4	0
26/06/2023 00:00	1.9	259	5	2.2	0
26/06/2023 00:10	1.8	262	5	2.1	0
26/06/2023 00:20	1.9	253	8	2.5	0
26/06/2023 00:30	1.9	248	8	2.7	0
26/06/2023 00:40	2.1	252	11	2.7	0
26/06/2023 00:50	1.9	256	9	2.7	0
26/06/2023 01:00	1.4	246	9	1.8	0
26/06/2023 01:10	1.9	253	10	2.6	0
26/06/2023 01:20	1.8	255	8	2.4	0
26/06/2023 01:30	2.1	255	10	2.8	0
26/06/2023 01:40	2.5	251	10	3.4	0
26/06/2023 01:50	2.5	252	10	3.3	0
26/06/2023 02:00	2	253	9	2.5	0
26/06/2023 02:10	1.8	253	8	2.2	0
26/06/2023 02:20	1.9	250	8	2.6	0
26/06/2023 02:30	1.8	250	8	2.7	0
26/06/2023 02:40	1.7	253	10	2.2	0
26/06/2023 02:50	2.1	258	9	3	0
26/06/2023 03:00	1.9	245	12	2.6	0
26/06/2023 03:10	0.6	242	16	1.6	0
26/06/2023 03:20	0.7	252	13	1.2	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/06/2023 03:30	0.7	268	11	1.1	0
26/06/2023 03:40	1	268	13	1.5	0
26/06/2023 03:50	1.1	261	11	1.4	0
26/06/2023 04:00	1.3	261	8	1.6	0
26/06/2023 04:10	1.1	266	8	1.7	0
26/06/2023 04:20	0.1	251	5	0.6	0
26/06/2023 04:30					0
26/06/2023 04:40	0.6	213	54	1.6	0
26/06/2023 04:50	1.6	222	69	3.3	0
26/06/2023 05:00	1.6	207	75	3.2	0
26/06/2023 05:10	1.9	219	38	3.6	0
26/06/2023 05:20	1.3	194	52	2.5	0
26/06/2023 05:30	1.5	246	25	3	0
26/06/2023 05:40	1.4	263	31	2.7	0
26/06/2023 05:50	1	269	69	1.6	0
26/06/2023 06:00	1.1	75	34	1.7	0
26/06/2023 06:10	1.1	75	42	1.8	0
26/06/2023 06:20	0.8	73	60	1.6	0
26/06/2023 06:30	1.1	195	60	2	0
26/06/2023 06:40	1.4	222	54	2.3	0
26/06/2023 06:50	1.2	138	92	2.2	0
26/06/2023 07:00	1.1	299	76	2	0
26/06/2023 07:10	1.2	282	88	1.9	0
26/06/2023 07:20	1.1	298	90	1.6	0
26/06/2023 07:30	1.2	144	95	2.2	0
26/06/2023 07:40	1.3	143	58	2.2	0
26/06/2023 07:50	1.3	74	39	2.2	0
26/06/2023 08:00	1.7	77	19	2.7	0
26/06/2023 08:10	1.8	100	31	2.8	0
26/06/2023 08:20	2.3	109	18	3.5	0
26/06/2023 08:30	1.7	85	30	2.8	0
26/06/2023 08:40	2.1	77	12	2.9	0
26/06/2023 08:50	2.4	90	16	3.4	0
26/06/2023 09:00	2.5	84	15	3.4	0
26/06/2023 09:10	2.8	72	11	3.7	0
26/06/2023 09:20	2.7	74	10	3.7	0
26/06/2023 09:30	2.9	73	11	3.8	0
26/06/2023 09:40	2.6	81	10	3.3	0
26/06/2023 09:50	2.3	106	19	3.5	0
26/06/2023 10:00	2.6	123	14	3.7	0
26/06/2023 10:10	3.1	119	14	4.4	0
26/06/2023 10:20	2.7	116	14	3.7	0
26/06/2023 10:30	2	117	31	3.1	0
26/06/2023 10:40	2	103	23	3.2	0
26/06/2023 10:50	2.1	103	19	3.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/06/2023 11:00	1.8	187	57	2.8	0
26/06/2023 11:10	2.2	186	36	3.8	0
26/06/2023 11:20	2.2	182	51	3.7	0
26/06/2023 11:30	2.4	174	47	3.9	0
26/06/2023 11:40	2.1	176	60	4	0
26/06/2023 11:50	2.1	187	71	3.9	0
26/06/2023 12:00	2	251	85	3.6	0
26/06/2023 12:10	3.2	205	48	5.7	0
26/06/2023 12:20	2.9	203	42	5	0
26/06/2023 12:30	2.5	242	46	4.5	0
26/06/2023 12:40	3	237	14	4.4	0
26/06/2023 12:50	1.8	192	45	3	0
26/06/2023 13:00	2	241	43	3.5	0
26/06/2023 13:10	1.7	117	44	2.9	0
26/06/2023 13:20	2.2	174	51	4.1	0
26/06/2023 13:30	3.2	51	21	4.5	0
26/06/2023 13:40	2.3	24	25	3.9	0
26/06/2023 13:50	2.7	12	23	4.2	0
26/06/2023 14:00	3.1	32	19	4.8	0
26/06/2023 14:10	2.4	354	33	3.9	0
26/06/2023 14:20	2.7	320	26	4.2	0
26/06/2023 14:30	3.2	299	19	5.2	0
26/06/2023 14:40	3.6	296	13	5.1	0
26/06/2023 14:50	3.7	288	13	4.9	0
26/06/2023 15:00	3.2	293	15	4.8	0
26/06/2023 15:10	3.4	299	12	4.8	0
26/06/2023 15:20	3.9	298	8	4.9	0
26/06/2023 15:30	3.3	298	13	4.5	0
26/06/2023 15:40	3.3	283	13	4.5	0
26/06/2023 15:50	2.9	270	15	4	0
26/06/2023 16:00	3.3	259	11	4.4	0
26/06/2023 16:10	3.6	254	13	4.9	0
26/06/2023 16:20	3.1	256	13	4.4	0
26/06/2023 16:30	3.1	259	13	4.3	0
26/06/2023 16:40	3.2	257	12	4.8	0
26/06/2023 16:50	3.7	259	12	4.7	0
26/06/2023 17:00	3.3	260	10	4.4	0
26/06/2023 17:10	2.5	263	12	3.5	0
26/06/2023 17:20	3	263	9	3.9	0
26/06/2023 17:30	3.1	258	10	4	0
26/06/2023 17:40	3.3	252	11	4	0
26/06/2023 17:50	3	259	11	3.8	0
26/06/2023 18:00	2.5	251	10	3.6	0
26/06/2023 18:10	2.7	249	9	3.7	0
26/06/2023 18:20	2.4	253	11	3.1	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/06/2023 18:30	2.3	261	9	3.1	0
26/06/2023 18:40	2.7	263	8	3.3	0
26/06/2023 18:50	2.5	261	9	3.6	0
26/06/2023 19:00	2.5	261	8	3.2	0
26/06/2023 19:10	2.6	262	7	3.3	0
26/06/2023 19:20	2.5	261	7	3.2	0
26/06/2023 19:30	2.4	258	7	3.2	0
26/06/2023 19:40	2.2	262	7	2.8	0
26/06/2023 19:50	2.6	257	9	3.5	0
26/06/2023 20:00	2.8	256	10	3.5	0
26/06/2023 20:10	3.1	262	9	4	0
26/06/2023 20:20	2.8	257	8	3.6	0
26/06/2023 20:30	2.8	262	8	3.4	0
26/06/2023 20:40	2.5	261	7	3.2	0
26/06/2023 20:50	2.7	259	8	3.6	0
26/06/2023 21:00	2.4	257	9	3.1	0
26/06/2023 21:10	2	246	9	2.6	0
26/06/2023 21:20	1.8	246	18	2.7	0
26/06/2023 21:30	2.1	249	14	3.2	0
26/06/2023 21:40	2	250	12	2.8	0
26/06/2023 21:50	2.5	234	16	4.1	0
26/06/2023 22:00	2.5	237	14	3.6	0
26/06/2023 22:10	1.8	243	19	2.8	0
26/06/2023 22:20	2.1	223	17	3.2	0
26/06/2023 22:30	1.9	229	20	3	0
26/06/2023 22:40	2.5	233	20	3.5	0
26/06/2023 22:50	2.5	228	17	3.6	0.1
26/06/2023 23:00	2	227	22	3.3	0
26/06/2023 23:10	1.5	292	86	2.8	0
26/06/2023 23:20	1.8	304	91	3.2	0
26/06/2023 23:30	2.7	246	69	5.2	0
26/06/2023 23:40	2.2	255	77	3.9	0
26/06/2023 23:50	2.1	279	81	3.9	0
27/06/2023 00:00	1.8	160	83	2.8	0
27/06/2023 00:10	1.7	99	85	2.8	0
27/06/2023 00:20	1.8	127	76	3.1	0
27/06/2023 00:30	1.8	128	63	2.8	0
27/06/2023 00:40	1.5	133	48	2.2	0
27/06/2023 00:50	1.1	89	53	2.1	0
27/06/2023 01:00	1.4	96	35	2.6	0
27/06/2023 01:10	1.2	102	43	2.4	0
27/06/2023 01:20	1.2	104	33	2.2	0
27/06/2023 01:30	1.6	90	17	2.4	0
27/06/2023 01:40	1.7	96	23	3	0
27/06/2023 01:50	2.5	99	12	3.7	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/06/2023 02:00	2.5	103	12	3.8	0
27/06/2023 02:10	2.3	101	11	3	0
27/06/2023 02:20	2.5	91	12	3.4	0
27/06/2023 02:30	2.2	104	9	2.9	0
27/06/2023 02:40	1.9	118	10	2.4	0
27/06/2023 02:50	2	125	13	2.8	0
27/06/2023 03:00	2.4	129	12	3.6	0
27/06/2023 03:10	2.3	130	14	3.2	0
27/06/2023 03:20	2.4	130	13	3.2	0
27/06/2023 03:30	1.7	116	10	2.4	0
27/06/2023 03:40	2.2	118	10	3	0
27/06/2023 03:50	2.6	129	14	4.3	0
27/06/2023 04:00	2.5	125	13	3.4	0
27/06/2023 04:10	2.9	123	13	4	0
27/06/2023 04:20	2.7	121	12	3.6	0
27/06/2023 04:30	2.7	119	13	3.6	0
27/06/2023 04:40	2.4	113	10	3.2	0
27/06/2023 04:50	2.6	105	9	3.6	0
27/06/2023 05:00	3	108	11	4.6	0
27/06/2023 05:10	3	114	10	4.1	0
27/06/2023 05:20	2.5	117	10	3.4	0
27/06/2023 05:30	2.7	112	10	3.8	0
27/06/2023 05:40	3	126	16	4.6	0
27/06/2023 05:50	3	118	11	4.4	0
27/06/2023 06:00	3	122	14	4.1	0
27/06/2023 06:10	3.5	125	14	4.9	0
27/06/2023 06:20	3.2	118	14	4.7	0
27/06/2023 06:30	2.7	109	12	3.7	0
27/06/2023 06:40	2.7	100	10	3.7	0
27/06/2023 06:50	2.6	104	12	4	0
27/06/2023 07:00	2.3	109	11	3.3	0
27/06/2023 07:10	2.8	111	16	4	0
27/06/2023 07:20	3.4	111	11	5.6	0
27/06/2023 07:30	3.6	117	15	5.6	0
27/06/2023 07:40	3.7	123	16	5.3	0
27/06/2023 07:50	4.1	115	13	5.9	0
27/06/2023 08:00	4	119	12	5.8	0
27/06/2023 08:10	4.4	118	13	6	0
27/06/2023 08:20	4.9	118	11	7	0
27/06/2023 08:30	4.4	120	14	5.6	0
27/06/2023 08:40	4.9	115	13	7.2	0
27/06/2023 08:50	5.5	110	11	8	0
27/06/2023 09:00	5.6	107	12	7.9	0
27/06/2023 09:10	6.1	108	11	7.9	0
27/06/2023 09:20	5.7	106	12	7.6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/06/2023 09:30	6	105	11	8.4	0
27/06/2023 09:40	6.4	102	12	8.2	0
27/06/2023 09:50	6.6	107	11	8.6	0
27/06/2023 10:00	6.1	102	13	8.2	0
27/06/2023 10:10	6.2	110	14	8.9	0
27/06/2023 10:20	6.1	107	12	9.1	0
27/06/2023 10:30	5.9	103	13	7.9	0
27/06/2023 10:40	6.4	107	13	8.7	0
27/06/2023 10:50	6.5	105	13	8.5	0
27/06/2023 11:00	6.1	101	13	8.3	0
27/06/2023 11:10	5.5	111	12	7.8	0
27/06/2023 11:20	5.9	107	11	7.9	0
27/06/2023 11:30	5.7	106	12	7.8	0
27/06/2023 11:40	5.7	103	13	7.5	0
27/06/2023 11:50	5.3	109	13	7.5	0
27/06/2023 12:00	5.5	103	11	7.4	0
27/06/2023 12:10	5.2	104	13	7.2	0
27/06/2023 12:20	4.8	113	11	6.9	0
27/06/2023 12:30	5.4	100	13	7.1	0
27/06/2023 12:40	5	100	13	7.2	0
27/06/2023 12:50	5	97	14	6.6	0
27/06/2023 13:00	4.5	95	13	6.3	0
27/06/2023 13:10	5.1	86	11	7	0
27/06/2023 13:20	4.1	92	15	6.2	0
27/06/2023 13:30	4.2	89	14	6.1	0
27/06/2023 13:40	4.5	79	12	6.4	0
27/06/2023 13:50	5	74	13	6.6	0
27/06/2023 14:00	4.8	75	11	6.1	0
27/06/2023 14:10	4.6	74	11	6.5	0
27/06/2023 14:20	5	79	13	6.4	0
27/06/2023 14:30	5	71	10	6.7	0
27/06/2023 14:40	4.8	79	12	6.2	0
27/06/2023 14:50	5	73	12	6.7	0
27/06/2023 15:00	4.9	71	13	6.8	0
27/06/2023 15:10	5	71	11	6.6	0
27/06/2023 15:20	4.7	67	14	6.3	0
27/06/2023 15:30	4.9	63	11	7.2	0
27/06/2023 15:40	5.3	66	11	7.8	0
27/06/2023 15:50	4.7	66	12	6.5	0
27/06/2023 16:00	5.5	74	12	7	0
27/06/2023 16:10	4.8	65	11	6.7	0
27/06/2023 16:20	4.9	64	11	7	0
27/06/2023 16:30	4.6	64	10	6.3	0
27/06/2023 16:40	4.5	63	13	5.8	0
27/06/2023 16:50	4.5	61	13	6.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/06/2023 17:00	4.7	63	13	6.8	0
27/06/2023 17:10	4.2	63	11	5.6	0
27/06/2023 17:20	4.5	60	10	6.1	0
27/06/2023 17:30	4	62	10	5.3	0
27/06/2023 17:40	4.1	61	10	5.1	0
27/06/2023 17:50	3.3	63	10	4.8	0
27/06/2023 18:00	3	65	8	3.9	0
27/06/2023 18:10	3.2	68	9	4.5	0
27/06/2023 18:20	3.1	63	9	4.5	0
27/06/2023 18:30	3	63	10	4	0
27/06/2023 18:40	3.2	66	9	4.8	0
27/06/2023 18:50	2.9	66	9	3.9	0
27/06/2023 19:00	2.9	70	10	3.9	0
27/06/2023 19:10	2.8	69	9	3.8	0
27/06/2023 19:20	3.1	70	10	4.2	0
27/06/2023 19:30	2.9	69	10	3.9	0
27/06/2023 19:40	3.5	71	10	4.5	0
27/06/2023 19:50	4.1	75	9	5.9	0
27/06/2023 20:00	4.6	84	10	6.8	0
27/06/2023 20:10	4.4	92	14	6.6	0
27/06/2023 20:20	4.1	97	14	5.9	0
27/06/2023 20:30	3.8	104	13	5.6	0
27/06/2023 20:40	4.2	117	14	6.4	0
27/06/2023 20:50	3.5	117	12	5.2	0
27/06/2023 21:00	3	124	15	4.6	0
27/06/2023 21:10	3.2	117	15	4.7	0
27/06/2023 21:20	3.5	123	15	5.2	0
27/06/2023 21:30	3.6	120	15	5.8	0
27/06/2023 21:40	3.8	115	14	5.6	0
27/06/2023 21:50	3.9	112	14	6.1	0
27/06/2023 22:00	4.2	118	15	6.7	0
27/06/2023 22:10	4.1	113	14	5.7	0
27/06/2023 22:20	3.8	105	11	5.5	0
27/06/2023 22:30	3.7	100	11	5.1	0
27/06/2023 22:40	4	108	11	5.6	0
27/06/2023 22:50	3.7	108	14	5.6	0
27/06/2023 23:00	3.7	111	13	6.4	0
27/06/2023 23:10	3.9	115	16	5.8	0
27/06/2023 23:20	3.6	110	13	6	0
27/06/2023 23:30	3.7	113	14	5.2	0
27/06/2023 23:40	3.5	113	18	5	0
27/06/2023 23:50	3.7	111	14	6.4	0
28/06/2023 00:00	3.5	120	12	5.2	0
28/06/2023 00:10	4.8	118	12	6.7	0
28/06/2023 00:20	4.6	118	13	6.8	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/06/2023 00:30	4.7	117	12	6.8	0
28/06/2023 00:40	4.6	116	12	6.8	0
28/06/2023 00:50	4.1	113	13	5.9	0
28/06/2023 01:00	4	112	14	5.7	0
28/06/2023 01:10	3.8	116	15	5.9	0
28/06/2023 01:20	4.3	116	14	6.4	0
28/06/2023 01:30	4.7	116	14	7.2	0
28/06/2023 01:40	3.8	106	14	5.8	0
28/06/2023 01:50	3.8	107	10	5.6	0
28/06/2023 02:00	4.2	108	12	5.9	0
28/06/2023 02:10	4.8	110	15	6.9	0
28/06/2023 02:20	4.5	117	14	6.8	0
28/06/2023 02:30	4.9	115	15	7.5	0
28/06/2023 02:40	5.1	115	16	7.5	0
28/06/2023 02:50	4.8	115	12	6.6	0
28/06/2023 03:00	4.9	115	13	7.5	0
28/06/2023 03:10	4.7	110	12	6.8	0
28/06/2023 03:20	5	115	15	7.9	0
28/06/2023 03:30	5	118	13	6.8	0
28/06/2023 03:40	5.8	110	12	9	0
28/06/2023 03:50	5.3	115	14	7.7	0
28/06/2023 04:00	4.7	117	13	8	0
28/06/2023 04:10	5.2	117	14	6.9	0
28/06/2023 04:20	5.2	112	17	8.3	0
28/06/2023 04:30	5.1	113	13	7	0
28/06/2023 04:40	5	111	12	7.8	0
28/06/2023 04:50	5.5	108	12	7.9	0
28/06/2023 05:00	5.6	113	11	8.2	0
28/06/2023 05:10	4.9	108	12	6.9	0
28/06/2023 05:20	5.8	109	12	8.1	0
28/06/2023 05:30	6.4	101	12	8.7	0
28/06/2023 05:40	5.7	108	13	7.9	0
28/06/2023 05:50	5	113	12	8.2	0
28/06/2023 06:00	4.9	109	14	7.2	0
28/06/2023 06:10	5.2	112	13	7.1	0
28/06/2023 06:20	4.9	113	14	7.4	0
28/06/2023 06:30	5.1	115	17	8	0
28/06/2023 06:40	4.8	116	12	7.3	0
28/06/2023 06:50	5.8	112	13	8.4	0
28/06/2023 07:00	5.2	112	13	7.6	0
28/06/2023 07:10	5.3	116	15	7.8	0
28/06/2023 07:20	5.6	110	12	8.5	0
28/06/2023 07:30	4.9	111	14	8.2	0
28/06/2023 07:40	5.7	116	12	9.1	0
28/06/2023 07:50	6	102	11	8.3	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/06/2023 08:00	6	107	14	8.5	0
28/06/2023 08:10	5.6	110	13	8.6	0
28/06/2023 08:20	6.2	103	12	8.9	0
28/06/2023 08:30	7	109	13	10.8	0
28/06/2023 08:40	6.8	114	14	9.1	0
28/06/2023 08:50	6.9	109	14	9.7	0
28/06/2023 09:00	6.5	108	11	9.9	0
28/06/2023 09:10	6.8	103	14	10.8	0
28/06/2023 09:20	7.1	108	12	9.9	0
28/06/2023 09:30	7.6	105	14	11.1	0
28/06/2023 09:40	7	108	13	10.5	0
28/06/2023 09:50	7.2	110	13	10.9	0
28/06/2023 10:00	6.9	106	13	11.3	0
28/06/2023 10:10	7.1	105	14	9.8	0
28/06/2023 10:20	7.9	103	11	11.2	0
28/06/2023 10:30	6.9	108	15	9.7	0
28/06/2023 10:40	6.1	111	15	9.4	0
28/06/2023 10:50	6.4	106	16	8.8	0
28/06/2023 11:00	6.8	106	12	9.3	0
28/06/2023 11:10	6.2	111	14	9.6	0
28/06/2023 11:20	6.6	109	13	9.9	0
28/06/2023 11:30	7.1	105	12	9.8	0
28/06/2023 11:40	7.4	105	13	10.1	0
28/06/2023 11:50	6.9	100	12	8.9	0
28/06/2023 12:00	6.5	101	12	8.8	0
28/06/2023 12:10	6.7	102	10	9.2	0
28/06/2023 12:20	6.3	106	16	9.1	0
28/06/2023 12:30	5.8	103	12	8.3	0
28/06/2023 12:40	6	110	14	9	0
28/06/2023 12:50	6.1	101	12	8.3	0
28/06/2023 13:00	6.3	107	11	8.3	0
28/06/2023 13:10	5.8	102	12	7.9	0
28/06/2023 13:20	5.8	98	13	7.8	0
28/06/2023 13:30	5.4	93	13	7.3	0
28/06/2023 13:40	5	93	16	7.5	0
28/06/2023 13:50	5.5	80	12	7.8	0
28/06/2023 14:00	5.7	80	11	7.5	0
28/06/2023 14:10	5.7	89	14	7.3	0
28/06/2023 14:20	5.7	86	14	7.6	0
28/06/2023 14:30	5.4	93	11	7.8	0
28/06/2023 14:40	5.6	87	13	7.6	0
28/06/2023 14:50	5.1	78	12	7	0
28/06/2023 15:00	5.7	74	12	7.7	0
28/06/2023 15:10	5.4	76	10	7.1	0
28/06/2023 15:20	5.5	77	11	7.3	0





## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/06/2023 15:30	5	76	10	6.8	0
28/06/2023 15:40	4.4	82	12	6.3	0
28/06/2023 15:50	4.5	74	12	6.4	0
28/06/2023 16:00	4.5	77	14	6.4	0
28/06/2023 16:10	4.6	76	12	6.2	0
28/06/2023 16:20	4.4	76	13	6.1	0
28/06/2023 16:30	4.4	74	10	5.9	0
28/06/2023 16:40	3.8	77	12	5.2	0
28/06/2023 16:50	3.3	71	14	4.8	0
28/06/2023 17:00	3.1	69	11	4.4	0
28/06/2023 17:10	3.5	62	11	4.8	0
28/06/2023 17:20	2.8	64	12	3.6	0
28/06/2023 17:30	2.5	62	13	3.4	0
28/06/2023 17:40	2.5	64	11	3.2	0
28/06/2023 17:50	2	64	10	2.7	0
28/06/2023 18:00	2.1	67	10	3.2	0
28/06/2023 18:10	2.4	79	12	3.6	0
28/06/2023 18:20	1.6	95	12	2.1	0
28/06/2023 18:30	1.3	82	11	1.8	0
28/06/2023 18:40	1.6	83	9	2.1	0
28/06/2023 18:50	1.7	94	12	2.4	0
28/06/2023 19:00	2.5	97	14	3.6	0
28/06/2023 19:10	2.7	94	14	4	0
28/06/2023 19:20	3	101	12	4	0
28/06/2023 19:30	3.1	102	13	4.8	0
28/06/2023 19:40	3.1	102	12	4.4	0
28/06/2023 19:50	2.7	97	12	4	0
28/06/2023 20:00	3.2	94	11	5.1	0
28/06/2023 20:10	3.2	94	13	4.8	0
28/06/2023 20:20	3.2	89	11	4.5	0
28/06/2023 20:30	3.6	87	10	4.6	0
28/06/2023 20:40	3.8	86	9	5	0
28/06/2023 20:50	3.4	92	11	4.4	0
28/06/2023 21:00	3.2	95	12	4.9	0
28/06/2023 21:10	3.8	98	13	5.5	0
28/06/2023 21:20	4.5	99	12	6.8	0
28/06/2023 21:30	4.7	101	14	7.5	0
28/06/2023 21:40	5.1	102	12	6.9	0
28/06/2023 21:50	5.2	101	11	7.5	0
28/06/2023 22:00	5.2	100	11	7.4	0
28/06/2023 22:10	5.3	101	11	7.2	0
28/06/2023 22:20	4.7	103	10	6.3	0
28/06/2023 22:30	4.3	104	11	5.8	0
28/06/2023 22:40	4.2	106	15	6	0
28/06/2023 22:50	4.2	108	12	6	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/06/2023 23:00	4.5	105	11	6.8	0
28/06/2023 23:10	4.2	108	12	6	0
28/06/2023 23:20	3.3	106	13	4.7	0
28/06/2023 23:30	3.5	105	12	5.3	0
28/06/2023 23:40	3.5	106	11	5.2	0
28/06/2023 23:50	3.1	115	11	4.8	0
29/06/2023 00:00	4.2	119	12	6.4	0
29/06/2023 00:10	3.7	119	14	6.2	0
29/06/2023 00:20	3.7	118	13	6.2	0
29/06/2023 00:30	3.8	116	13	6.2	0
29/06/2023 00:40	4	115	15	5.9	0
29/06/2023 00:50	4.1	117	15	5.8	0
29/06/2023 01:00	3.6	117	16	5.3	0
29/06/2023 01:10	2.9	116	14	4.4	0
29/06/2023 01:20	3	110	13	5.2	0
29/06/2023 01:30	3.5	118	13	5.6	0
29/06/2023 01:40	3.2	115	15	4.9	0
29/06/2023 01:50	2.9	112	14	4.8	0
29/06/2023 02:00	3.1	102	13	4.3	0
29/06/2023 02:10	3.4	107	13	5.1	0
29/06/2023 02:20	3.1	109	13	4.8	0
29/06/2023 02:30	3.4	109	14	4.8	0
29/06/2023 02:40	3.3	107	12	4.9	0
29/06/2023 02:50	3.5	108	13	5.4	0
29/06/2023 03:00	4.2	107	13	5.8	0
29/06/2023 03:10	3.9	103	12	5.4	0
29/06/2023 03:20	4.1	109	11	6	0
29/06/2023 03:30	3.6	106	13	5.2	0
29/06/2023 03:40	3.6	114	13	5.2	0
29/06/2023 03:50	3.5	116	15	5.6	0
29/06/2023 04:00	3.9	115	13	5.9	0
29/06/2023 04:10	4.1	118	14	5.9	0
29/06/2023 04:20	5	121	14	7.3	0
29/06/2023 04:30	5.2	117	13	6.6	0
29/06/2023 04:40	4.8	118	12	7.1	0
29/06/2023 04:50	4.8	117	13	7.2	0
29/06/2023 05:00	4.9	118	11	6.8	0
29/06/2023 05:10	5.2	117	12	7.9	0
29/06/2023 05:20	4.6	113	15	6.4	0
29/06/2023 05:30	4.7	115	12	6.4	0
29/06/2023 05:40	5.1	117	15	7.4	0
29/06/2023 05:50	5.6	119	13	8.2	0
29/06/2023 06:00	5.7	119	13	8.6	0
29/06/2023 06:10	5.6	113	11	8.2	0
29/06/2023 06:20	5.1	113	14	6.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/06/2023 06:30	5.2	114	13	7.9	0
29/06/2023 06:40	5.1	118	12	7.8	0
29/06/2023 06:50	5.2	113	14	7.5	0
29/06/2023 07:00	5.1	113	13	7.6	0
29/06/2023 07:10	5.2	117	15	7.7	0
29/06/2023 07:20	6	115	14	8.2	0
29/06/2023 07:30	5.2	118	14	8	0
29/06/2023 07:40	6	117	14	8.7	0
29/06/2023 07:50	6	120	12	8.5	0
29/06/2023 08:00	5.8	118	12	8.7	0
29/06/2023 08:10	5.8	118	14	8.6	0
29/06/2023 08:20	6	110	13	9	0
29/06/2023 08:30	5.9	107	14	9.5	0
29/06/2023 08:40	7.1	111	13	10.9	0
29/06/2023 08:50	6	113	12	9.2	0
29/06/2023 09:00	6.4	111	11	9.9	0
29/06/2023 09:10	6.7	111	11	9.6	0
29/06/2023 09:20	6.7	109	12	10.8	0
29/06/2023 09:30	6.3	106	14	8.8	0
29/06/2023 09:40	7.4	107	10	10.9	0
29/06/2023 09:50	7	102	12	10.7	0
29/06/2023 10:00	7.8	104	11	11.3	0
29/06/2023 10:10	7.3	105	12	10.5	0
29/06/2023 10:20	7.8	101	13	11.2	0
29/06/2023 10:30	7.6	97	14	10.5	0
29/06/2023 10:40	7.2	100	12	10.1	0
29/06/2023 10:50	7.7	102	12	10.8	0
29/06/2023 11:00	6.8	104	13	9	0
29/06/2023 11:10	6.6	106	13	9.2	0
29/06/2023 11:20	7.3	103	12	10	0
29/06/2023 11:30	7.3	103	12	9.9	0
29/06/2023 11:40	7.6	104	12	9.9	0
29/06/2023 11:50	6.9	104	11	9.5	0
29/06/2023 12:00	6	111	13	8.8	0
29/06/2023 12:10	6.4	102	13	8.4	0
29/06/2023 12:20	6.6	104	11	9.5	0
29/06/2023 12:30	6.1	112	15	8.7	0
29/06/2023 12:40	6.6	106	12	9.2	0
29/06/2023 12:50	5.8	114	16	9.5	0
29/06/2023 13:00	6.1	113	17	8.6	0
29/06/2023 13:10	5.7	113	15	8.2	0
29/06/2023 13:20	5.8	109	15	8.7	0
29/06/2023 13:30	5.3	113	16	7.5	0
29/06/2023 13:40	5.7	115	17	8.4	0
29/06/2023 13:50	5.9	115	15	8.3	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/06/2023 14:00	5.2	114	13	7.4	0
29/06/2023 14:10	5.3	112	13	7.9	0
29/06/2023 14:20	5.5	114	16	7.6	0
29/06/2023 14:30	5.4	107	14	7.8	0
29/06/2023 14:40	5.6	107	13	8	0
29/06/2023 14:50	5.4	114	12	7.5	0
29/06/2023 15:00	5.2	110	15	7.6	0
29/06/2023 15:10	4.8	106	12	6.5	0
29/06/2023 15:20	5	108	13	7.2	0
29/06/2023 15:30	5.2	106	14	7.6	0
29/06/2023 15:40	5	110	10	7.2	0
29/06/2023 15:50	3.7	117	15	4.9	0
29/06/2023 16:00	4	107	15	6	0
29/06/2023 16:10	3.9	113	15	5.6	0
29/06/2023 16:20	4.4	107	11	6	0
29/06/2023 16:30	3.6	114	12	5.1	0
29/06/2023 16:40	3.9	118	12	5.5	0
29/06/2023 16:50	3.5	121	14	5.2	0
29/06/2023 17:00	4.1	118	12	6.1	0
29/06/2023 17:10	3.1	110	15	4.4	0
29/06/2023 17:20	3	118	12	4.4	0
29/06/2023 17:30	2.9	118	12	4.2	0
29/06/2023 17:40	2.8	109	13	4.3	0
29/06/2023 17:50	3	113	11	4.3	0
29/06/2023 18:00	2.5	111	12	3.6	0
29/06/2023 18:10	2.9	109	11	4	0
29/06/2023 18:20	2.8	108	13	3.9	0
29/06/2023 18:30	2.7	106	11	4	0
29/06/2023 18:40	2.3	109	13	3.2	0
29/06/2023 18:50	2.4	113	11	3.7	0
29/06/2023 19:00	2.6	110	12	3.7	0
29/06/2023 19:10	2.8	113	13	4	0
29/06/2023 19:20	3	112	13	4	0
29/06/2023 19:30	2.8	113	12	3.8	0
29/06/2023 19:40	2.5	110	12	3.7	0
29/06/2023 19:50	2.7	98	11	3.8	0
29/06/2023 20:00	3.2	95	12	4.4	0
29/06/2023 20:10	3.2	97	11	4.5	0
29/06/2023 20:20	3.2	98	13	5.4	0
29/06/2023 20:30	3.1	94	12	4.8	0
29/06/2023 20:40	3.4	97	12	4.8	0
29/06/2023 20:50	3.8	101	11	5.2	0
29/06/2023 21:00	4.5	102	12	6.4	0
29/06/2023 21:10	3.7	105	11	5.1	0
29/06/2023 21:20	3.3	111	10	5	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/06/2023 21:30	3.3	117	14	4.8	0
29/06/2023 21:40	4.2	118	13	5.8	0
29/06/2023 21:50	4.5	119	14	7.1	0
29/06/2023 22:00	4.4	122	13	7.1	0
29/06/2023 22:10	5	121	15	7.6	0
29/06/2023 22:20	4.5	122	14	6.9	0
29/06/2023 22:30	4.4	122	14	7.3	0
29/06/2023 22:40	4.5	125	14	6.8	0
29/06/2023 22:50	4.7	129	15	6.7	0
29/06/2023 23:00	4.6	123	15	7.1	0
29/06/2023 23:10	4.4	125	15	7	0
29/06/2023 23:20	4.5	127	14	6.8	0
29/06/2023 23:30	4.2	130	16	6.1	0
29/06/2023 23:40	3.8	126	15	5.5	0
29/06/2023 23:50	4.2	127	14	6.8	0
30/06/2023 00:00	4.4	129	15	6.6	0
30/06/2023 00:10	4.5	126	15	7.1	0
30/06/2023 00:20	4.9	125	15	6.9	0
30/06/2023 00:30	4.3	123	15	6	0
30/06/2023 00:40	4.3	125	15	7.2	0
30/06/2023 00:50	4	123	15	5.9	0
30/06/2023 01:00	4.6	125	14	7.1	0
30/06/2023 01:10	4.1	123	14	6.4	0
30/06/2023 01:20	4.1	125	13	5.7	0
30/06/2023 01:30	4	125	16	5.8	0
30/06/2023 01:40	4.1	120	14	6.5	0
30/06/2023 01:50	4.7	120	14	7.1	0
30/06/2023 02:00	4.8	121	14	7.1	0
30/06/2023 02:10	4.4	115	14	6.9	0
30/06/2023 02:20	4.3	116	15	6.9	0
30/06/2023 02:30	4.2	114	15	6.3	0
30/06/2023 02:40	4.2	113	14	6	0
30/06/2023 02:50	4.4	108	11	6.4	0
30/06/2023 03:00	4.6	110	12	6.3	0
30/06/2023 03:10	4.8	109	11	7.1	0
30/06/2023 03:20	4.7	108	11	6.9	0
30/06/2023 03:30	5.9	108	12	8	0
30/06/2023 03:40	5.3	111	13	7.9	0
30/06/2023 03:50	5.6	106	12	8.4	0
30/06/2023 04:00	6.1	108	12	8.9	0
30/06/2023 04:10	7.3	109	11	10.7	0
30/06/2023 04:20	6.9	109	13	9.3	0
30/06/2023 04:30	6.8	106	11	9.9	0
30/06/2023 04:40	6.9	102	11	9.2	0
30/06/2023 04:50	8.1	104	12	11.9	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/06/2023 05:00	8.2	100	11	11.4	0
30/06/2023 05:10	8.1	103	12	11.1	0
30/06/2023 05:20	6.7	107	12	9.9	0
30/06/2023 05:30	6.9	101	11	9.1	0
30/06/2023 05:40	7.6	100	11	10.6	0
30/06/2023 05:50	6.6	102	12	8.6	0
30/06/2023 06:00	6.7	105	12	9.8	0
30/06/2023 06:10	6.3	105	12	8.7	0
30/06/2023 06:20	5.6	110	12	7.5	0
30/06/2023 06:30	6.3	105	13	9	0
30/06/2023 06:40	5.9	105	11	8.1	0
30/06/2023 06:50	5.6	105	12	8.3	0
30/06/2023 07:00	5.4	107	13	7.9	0
30/06/2023 07:10	4.8	108	14	6.6	0
30/06/2023 07:20	6.2	108	14	9.7	0
30/06/2023 07:30	5.5	112	11	9.1	0
30/06/2023 07:40	6.2	107	13	9.6	0
30/06/2023 07:50	7	106	12	10.5	0
30/06/2023 08:00	6.8	103	12	10.3	0
30/06/2023 08:10	6.8	104	12	10.3	0
30/06/2023 08:20	7.1	103	12	10	0
30/06/2023 08:30	7	109	12	10.3	0
30/06/2023 08:40	7.4	105	11	10.6	0
30/06/2023 08:50	7.5	104	13	10.4	0
30/06/2023 09:00	7.4	109	12	10	0
30/06/2023 09:10	6.8	106	13	10.7	0
30/06/2023 09:20	7.4	104	12	10.5	0
30/06/2023 09:30	7.2	100	12	9.8	0
30/06/2023 09:40	7	104	11	10.3	0
30/06/2023 09:50	7.4	100	12	10.2	0
30/06/2023 10:00	6.6	101	11	9.9	0
30/06/2023 10:10	7.6	102	13	11	0
30/06/2023 10:20	7.6	103	12	9.7	0
30/06/2023 10:30	7.1	100	13	10.3	0
30/06/2023 10:40	7.4	104	11	10.4	0
30/06/2023 10:50	7.7	105	12	10.9	0
30/06/2023 11:00	7.3	95	14	10.8	0
30/06/2023 11:10	8.8	89	11	12.2	0
30/06/2023 11:20	9.2	89	10	12.7	0
30/06/2023 11:30	8.6	95	13	11.5	0
30/06/2023 11:40	8.2	88	12	10.9	0
30/06/2023 11:50	7.8	89	11	11.9	0
30/06/2023 12:00	7.9	85	11	11.2	0
30/06/2023 12:10	8.2	84	11	11	0
30/06/2023 12:20	7.8	86	9	11.4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/06/2023 12:30	7.7	87	11	11.5	0
30/06/2023 12:40	7.8	84	12	11.3	0
30/06/2023 12:50	7.5	88	13	10.7	0
30/06/2023 13:00	7.9	85	10	10.5	0
30/06/2023 13:10	8.1	87	12	10.6	0
30/06/2023 13:20	7.1	86	11	10.4	0
30/06/2023 13:30	7	89	12	9.1	0
30/06/2023 13:40	6.6	85	13	9.6	0
30/06/2023 13:50	6.4	83	13	9.4	0
30/06/2023 14:00	5.9	83	11	8.4	0
30/06/2023 14:10	5.5	81	14	7.6	0
30/06/2023 14:20	5.9	89	11	8.1	0
30/06/2023 14:30	5.2	89	14	7.4	0
30/06/2023 14:40	5.9	78	12	7.9	0
30/06/2023 14:50	5.4	85	10	7.2	0
30/06/2023 15:00	5.2	78	13	7.2	0
30/06/2023 15:10	5	78	13	6.8	0
30/06/2023 15:20	5	82	14	6.8	0
30/06/2023 15:30	4.9	82	13	7.2	0
30/06/2023 15:40	4.2	86	13	6.6	0
30/06/2023 15:50	4.2	78	14	5.8	0
30/06/2023 16:00	4	82	13	5.4	0
30/06/2023 16:10	4.2	87	13	5.6	0
30/06/2023 16:20	3.7	87	13	5.2	0
30/06/2023 16:30	3.3	83	13	4.5	0
30/06/2023 16:40	3.7	104	16	5.9	0
30/06/2023 16:50	3.5	83	13	4.4	0
30/06/2023 17:00	3.2	90	12	4.4	0
30/06/2023 17:10	3.6	116	15	5.2	0
30/06/2023 17:20	3	107	12	4	0
30/06/2023 17:30	3.1	110	12	4.7	0
30/06/2023 17:40	3.2	117	14	4.7	0
30/06/2023 17:50	2.5	97	12	3.7	0
30/06/2023 18:00	2.3	104	12	3.9	0
30/06/2023 18:10	2.7	114	15	4.4	0
30/06/2023 18:20	2.6	112	14	3.6	0
30/06/2023 18:30	2.6	107	12	3.9	0
30/06/2023 18:40	2.4	113	12	4.1	0
30/06/2023 18:50	2.8	116	15	4	0
30/06/2023 19:00	2.2	109	17	3.6	0
30/06/2023 19:10	2.3	102	13	3.2	0
30/06/2023 19:20	1.9	109	12	2.6	0
30/06/2023 19:30	2.3	107	12	3.3	0
30/06/2023 19:40	1.3	109	13	2	0
30/06/2023 19:50	1.6	91	20	2.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/06/2023 20:00	1.7	102	11	2.4	0
30/06/2023 20:10	1.2	98	15	1.7	0
30/06/2023 20:20	1.8	97	10	2.8	0
30/06/2023 20:30	1.3	116	15	2.1	0
30/06/2023 20:40	1.8	113	17	2.8	0
30/06/2023 20:50	1.5	104	12	2.1	0
30/06/2023 21:00	1.7	116	13	2.5	0
30/06/2023 21:10	2.2	120	13	3.4	0
30/06/2023 21:20	1.7	102	18	2.6	0
30/06/2023 21:30	1.4	93	11	2.2	0
30/06/2023 21:40	1.4	97	15	1.9	0
30/06/2023 21:50	1.5	108	16	2.3	0
30/06/2023 22:00	1.1	94	17	2.3	0
30/06/2023 22:10	0.9	73	15	1.4	0
30/06/2023 22:20	1.1	82	16	1.6	0
30/06/2023 22:30	1.4	113	15	2.1	0
30/06/2023 22:40	2.3	125	14	3.1	0
30/06/2023 22:50	2.4	122	13	3.2	0
30/06/2023 23:00	1.6	115	16	2.5	0
30/06/2023 23:10	1.3	115	15	2	0
30/06/2023 23:20	2	132	13	3.5	0
30/06/2023 23:30	2.7	132	14	4	0
30/06/2023 23:40	3.2	133	15	4.8	0
30/06/2023 23:50	2.9	129	15	4.3	0
01/07/2023 00:00	2.7	125	14	4.4	0
01/07/2023 00:10	3.1	125	16	4.7	0
01/07/2023 00:20	3.1	120	14	4.5	0
01/07/2023 00:30	3.5	118	14	5.3	0
01/07/2023 00:40	4.1	115	14	6.1	0
01/07/2023 00:50	4.6	118	14	7	0
01/07/2023 01:00	3.9	117	13	5.8	0
01/07/2023 01:10	3.3	113	15	5.2	0
01/07/2023 01:20	3.9	107	13	5.3	0
01/07/2023 01:30	3.9	107	14	6.3	0
01/07/2023 01:40	4.1	111	12	6.1	0
01/07/2023 01:50	4	110	14	6.8	0
01/07/2023 02:00	4.1	113	13	5.6	0
01/07/2023 02:10	4.2	110	12	6.3	0
01/07/2023 02:20	4.9	107	14	7.1	0
01/07/2023 02:30	5	109	11	7.2	0
01/07/2023 02:40	4.9	108	11	6.9	0
01/07/2023 02:50	4.7	107	14	6.8	0
01/07/2023 03:00	4.9	104	13	6.8	0
01/07/2023 03:10	5.5	105	10	7.6	0
01/07/2023 03:20	5.6	104	11	7.5	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/07/2023 03:30	6	106	11	8.3	0
01/07/2023 03:40	5.7	106	12	7.5	0
01/07/2023 03:50	5.6	106	12	7.6	0
01/07/2023 04:00	5.9	103	10	8	0
01/07/2023 04:10	5.5	107	11	7.2	0
01/07/2023 04:20	6.2	104	9	8.2	0
01/07/2023 04:30	6.9	103	11	8.9	0
01/07/2023 04:40	7.6	103	11	9.6	0
01/07/2023 04:50	7.9	103	10	9.9	0
01/07/2023 05:00	7.3	104	12	10	0
01/07/2023 05:10	7.3	103	11	10.3	0
01/07/2023 05:20	8.3	104	11	10.9	0
01/07/2023 05:30	8.3	104	9	10.8	0
01/07/2023 05:40	8.6	102	11	10.9	0
01/07/2023 05:50	8.9	105	9	12	0
01/07/2023 06:00	8.3	105	12	10.7	0
01/07/2023 06:10	8.4	102	10	11.8	0
01/07/2023 06:20	8.8	103	11	11.5	0
01/07/2023 06:30	8.9	101	10	11.5	0
01/07/2023 06:40	7.8	100	11	11.3	0
01/07/2023 06:50	7.4	102	10	10.1	0
01/07/2023 07:00	6.7	100	10	9.3	0
01/07/2023 07:10	6.6	98	11	9.1	0
01/07/2023 07:20	6.9	102	12	9.9	0
01/07/2023 07:30	5.8	102	14	8.5	0
01/07/2023 07:40	6	101	12	9.1	0
01/07/2023 07:50	6.5	96	12	9.1	0
01/07/2023 08:00	6.2	98	12	9.2	0
01/07/2023 08:10	5.5	98	13	8.6	0
01/07/2023 08:20	5.7	100	12	7.8	0
01/07/2023 08:30	5.7	105	11	7.7	0
01/07/2023 08:40	5.7	103	11	7.9	0
01/07/2023 08:50	6	100	12	9.1	0
01/07/2023 09:00	5.7	96	13	9.2	0
01/07/2023 09:10	6.1	100	14	8.3	0
01/07/2023 09:20	7.1	92	14	9.9	0
01/07/2023 09:30	7	92	11	9.5	0
01/07/2023 09:40	7.6	86	11	9.9	0
01/07/2023 09:50	6.8	94	13	9.1	0
01/07/2023 10:00	7.2	97	13	9.9	0
01/07/2023 10:10	6.5	96	11	8.4	0
01/07/2023 10:20	7.3	90	13	9.6	0
01/07/2023 10:30	6.8	90	13	9.4	0
01/07/2023 10:40	7.2	98	12	10.2	0
01/07/2023 10:50	7.2	92	14	10.2	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/07/2023 11:00	6.5	90	16	8.5	0
01/07/2023 11:10	6.9	93	15	9.9	0
01/07/2023 11:20	7.1	85	11	9.7	0
01/07/2023 11:30	6.1	90	15	8.4	0
01/07/2023 11:40	6.9	83	12	9.1	0
01/07/2023 11:50	7	86	12	9.9	0
01/07/2023 12:00	6.5	87	14	8.8	0
01/07/2023 12:10	6.4	90	12	8.6	0
01/07/2023 12:20	6.8	79	12	9	0
01/07/2023 12:30	6.2	87	13	8	0
01/07/2023 12:40	6.2	81	13	7.9	0
01/07/2023 12:50	6.4	82	11	9.1	0
01/07/2023 13:00	5.6	90	12	7.7	0
01/07/2023 13:10	5	82	14	6.9	0
01/07/2023 13:20	5.3	74	14	7.2	0
01/07/2023 13:30	5.3	68	12	7.1	0
01/07/2023 13:40	5.3	77	12	7.6	0
01/07/2023 13:50	5.3	69	14	7.4	0
01/07/2023 14:00	5.5	74	13	7.2	0
01/07/2023 14:10	5.3	66	13	7.4	0
01/07/2023 14:20	5.1	69	14	6.8	0
01/07/2023 14:30	4.8	72	16	6.5	0
01/07/2023 14:40	4.6	74	11	6	0
01/07/2023 14:50	4.4	66	14	6.2	0
01/07/2023 15:00	4.1	57	14	5.6	0
01/07/2023 15:10	3.8	59	15	5.5	0
01/07/2023 15:20	4	64	13	5.1	0
01/07/2023 15:30	3.5	61	14	5.2	0
01/07/2023 15:40	3.6	59	13	5.4	0
01/07/2023 15:50	3.8	61	12	5.1	0
01/07/2023 16:00	3.5	61	13	4.8	0
01/07/2023 16:10	3.3	57	11	4.2	0
01/07/2023 16:20	3.4	58	12	4.5	0
01/07/2023 16:30	3.8	63	12	5.1	0
01/07/2023 16:40	3.5	63	11	4.4	0
01/07/2023 16:50	2.9	64	10	4	0
01/07/2023 17:00	2.5	58	12	3.6	0
01/07/2023 17:10	2.2	38	15	3.2	0
01/07/2023 17:20	1.7	183	17	2.4	0
01/07/2023 17:30	2.4	325	23	4.1	0
01/07/2023 17:40	2.3	357	18	3.4	0
01/07/2023 17:50	1.8	357	18	2.5	0
01/07/2023 18:00	1.8	176	18	2.7	0
01/07/2023 18:10	1.7	5	16	2.6	0
01/07/2023 18:20	1.4	349	18	2.1	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/07/2023 18:30	0.6	340	16	1.3	0
01/07/2023 18:40	0.1	88	5	0.8	0
01/07/2023 18:50	1	38	17	1.5	0
01/07/2023 19:00	1	189	14	1.4	0
01/07/2023 19:10	1.2	179	21	1.6	0
01/07/2023 19:20	0.4	162	13	1.1	0
01/07/2023 19:30	0.1	272	6	0.8	0
01/07/2023 19:40					0
01/07/2023 19:50					0
01/07/2023 20:00	0.6	35	5	1.1	0
01/07/2023 20:10	0.3	168	8	0.7	0
01/07/2023 20:20	0.4	312	6	0.9	0
01/07/2023 20:30	0	322	0	0.4	0
01/07/2023 20:40	0.3	298	1	1.1	0
01/07/2023 20:50	0.7	191	19	1.1	0
01/07/2023 21:00	0.4	33	6	0.8	0
01/07/2023 21:10	1.2	253	39	2.1	0
01/07/2023 21:20	1.5	256	21	2.3	0
01/07/2023 21:30	1	252	12	2.8	0
01/07/2023 21:40					0
01/07/2023 21:50	0.8	259	17	1.3	0
01/07/2023 22:00	0.5	223	14	1.2	0
01/07/2023 22:10					0
01/07/2023 22:20	0.4	236	14	1.3	0
01/07/2023 22:30	0.3	251	11	1.3	0
01/07/2023 22:40	0.9	218	11	1.8	0
01/07/2023 22:50	0.2	228	8	1.1	0
01/07/2023 23:00	0	251	4	0.6	0
01/07/2023 23:10	0.8	241	9	1.6	0
01/07/2023 23:20	1.3	244	11	1.9	0
01/07/2023 23:30	1.1	254	11	1.6	0
01/07/2023 23:40	0.4	245	11	1.5	0
01/07/2023 23:50	0.6	243	20	1.6	0
02/07/2023 00:00	1.3	229	20	2	0
02/07/2023 00:10	1.2	226	18	1.9	0
02/07/2023 00:20	1.3	233	18	2	0
02/07/2023 00:30	1.2	229	24	2	0
02/07/2023 00:40	0.7	221	16	1.5	0
02/07/2023 00:50	0.2	284	3	1.1	0
02/07/2023 01:00	0.5	284	9	1	0
02/07/2023 01:10	0.6	261	11	1.1	0
02/07/2023 01:20	0.4	176	6	0.9	0
02/07/2023 01:30	0.9	214	37	1.8	0
02/07/2023 01:40	0.7	255	23	1.1	0
02/07/2023 01:50					0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/07/2023 02:00	0	240	10	0.6	0
02/07/2023 02:10	0.4	176	10	1.2	0
02/07/2023 02:20	0.9	228	19	1.9	0
02/07/2023 02:30					0
02/07/2023 02:40	0.9	232	27	2	0
02/07/2023 02:50	0.7	265	17	1.2	0
02/07/2023 03:00	0.2	92	51	0.9	0
02/07/2023 03:10	0.1	158	21	0.8	0
02/07/2023 03:20	0.1	252	3	0.8	0
02/07/2023 03:30	0.1	277	4	0.8	0
02/07/2023 03:40	0.1	198	6	0.9	0
02/07/2023 03:50	0.7	110	28	1.4	0
02/07/2023 04:00	0.7	115	23	1.7	0
02/07/2023 04:10	1.8	134	15	2.4	0
02/07/2023 04:20	1.1	141	22	1.7	0
02/07/2023 04:30	1.1	144	30	1.6	0
02/07/2023 04:40	0.7	136	34	1.3	0
02/07/2023 04:50	0.3	152	12	1.2	0
02/07/2023 05:00	0.6	126	29	1.4	0
02/07/2023 05:10	1.3	103	13	1.9	0
02/07/2023 05:20	1.6	100	9	2.1	0
02/07/2023 05:30	1.7	93	9	2.7	0
02/07/2023 05:40	1.9	94	11	2.7	0
02/07/2023 05:50	1.7	94	10	2.4	0
02/07/2023 06:00	2	89	8	2.7	0
02/07/2023 06:10	2.4	84	8	3.1	0
02/07/2023 06:20	2.3	82	8	2.9	0
02/07/2023 06:30	2.3	88	8	3.1	0
02/07/2023 06:40	2.8	82	9	3.6	0
02/07/2023 06:50	2.9	81	9	3.7	0
02/07/2023 07:00	2.5	86	9	3.1	0
02/07/2023 07:10	2.6	80	7	3.3	0
02/07/2023 07:20	2.6	86	9	3.2	0
02/07/2023 07:30	2.5	86	8	3.2	0
02/07/2023 07:40	3.2	88	8	4.1	0
02/07/2023 07:50	2.9	90	8	3.7	0
02/07/2023 08:00	3.2	96	10	4.2	0
02/07/2023 08:10	3.1	99	10	3.9	0
02/07/2023 08:20	3.3	103	11	4.4	0
02/07/2023 08:30	3.7	103	9	4.8	0
02/07/2023 08:40	3.4	100	12	4.8	0
02/07/2023 08:50	3.3	95	12	4.8	0
02/07/2023 09:00	4.1	102	11	5.2	0
02/07/2023 09:10	3.9	103	12	5.2	0
02/07/2023 09:20	3.6	105	11	4.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/07/2023 09:30	3.8	95	14	5.2	0
02/07/2023 09:40	4.3	107	11	5.4	0
02/07/2023 09:50	3.8	103	10	5.4	0
02/07/2023 10:00	3.8	103	13	4.9	0
02/07/2023 10:10	4.5	98	15	6	0
02/07/2023 10:20	4.5	105	13	6.2	0
02/07/2023 10:30	5	98	15	6.8	0
02/07/2023 10:40	5.3	102	12	6.8	0
02/07/2023 10:50	5	107	12	6.6	0
02/07/2023 11:00	4.7	102	13	6.2	0
02/07/2023 11:10	4.1	104	12	6.2	0
02/07/2023 11:20	4.8	103	13	6.3	0
02/07/2023 11:30	4.7	106	12	6.1	0
02/07/2023 11:40	4.4	94	11	6.2	0
02/07/2023 11:50	4.4	100	15	6.4	0
02/07/2023 12:00	3.9	101	16	5.8	0
02/07/2023 12:10	4.1	98	13	5.5	0
02/07/2023 12:20	4.1	97	14	5.6	0
02/07/2023 12:30	3.5	137	16	4.9	0
02/07/2023 12:40	3.8	117	17	5.8	0
02/07/2023 12:50	4.1	103	16	5.6	0
02/07/2023 13:00	4	106	14	5.6	0
02/07/2023 13:10	3.9	99	16	5.5	0
02/07/2023 13:20	4	82	14	5.2	0
02/07/2023 13:30	4.3	83	12	5.6	0
02/07/2023 13:40	4	88	17	6	0
02/07/2023 13:50	3.8	87	14	5.2	0
02/07/2023 14:00	3	96	17	4.7	0
02/07/2023 14:10	3.5	76	15	5.2	0
02/07/2023 14:20	3.3	71	14	4.4	0
02/07/2023 14:30	3.2	72	17	4.9	0
02/07/2023 14:40	2.9	70	17	4.5	0
02/07/2023 14:50	2.3	65	18	3.4	0
02/07/2023 15:00	2.4	72	22	3.6	0
02/07/2023 15:10	2.7	96	19	3.7	0
02/07/2023 15:20	2.7	89	16	4.4	0
02/07/2023 15:30	2.1	92	27	3.6	0
02/07/2023 15:40	2	96	19	3.5	0
02/07/2023 15:50	1.7	72	28	3.3	0
02/07/2023 16:00	1.3	72	39	2	0
02/07/2023 16:10	1.5	43	19	2.4	0
02/07/2023 16:20	1.8	70	24	2.9	0
02/07/2023 16:30	2.1	25	21	2.9	0
02/07/2023 16:40	1.2	187	35	2.2	0
02/07/2023 16:50	1.4	7	37	2.6	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/07/2023 17:00	2	178	19	3	0
02/07/2023 17:10	2.2	336	25	3.5	0
02/07/2023 17:20	2.3	306	20	3.5	0
02/07/2023 17:30	2.1	311	21	3.2	0
02/07/2023 17:40	1.4	328	52	2.7	0
02/07/2023 17:50	0.9	355	22	2.4	0
02/07/2023 18:00	1	339	34	1.9	0
02/07/2023 18:10	1.3	175	36	2.3	0
02/07/2023 18:20	1.4	334	22	2.5	0
02/07/2023 18:30	1.5	338	23	2.6	0
02/07/2023 18:40	1.5	327	23	2.5	0
02/07/2023 18:50	1	168	36	2	0
02/07/2023 19:00	1.3	334	25	2.4	0
02/07/2023 19:10	1.5	314	19	2.4	0
02/07/2023 19:20	1.2	327	24	2	0
02/07/2023 19:30	1.2	335	23	2	0
02/07/2023 19:40	1.4	316	14	1.9	0
02/07/2023 19:50	1.1	315	17	1.6	0
02/07/2023 20:00	1.1	336	20	1.7	0
02/07/2023 20:10	1.3	328	18	1.9	0
02/07/2023 20:20	1.5	335	13	2.2	0
02/07/2023 20:30	1.1	298	23	1.6	0
02/07/2023 20:40	1.7	230	10	2	0
02/07/2023 20:50	1.6	233	8	2	0
02/07/2023 21:00	2.6	250	6	3.2	0
02/07/2023 21:10	2.9	252	8	3.8	0
02/07/2023 21:20	2.4	253	9	3.2	0
02/07/2023 21:30	2.2	251	10	2.9	0
02/07/2023 21:40	1.5	249	8	2	0
02/07/2023 21:50	1.7	256	7	2.4	0
02/07/2023 22:00	1.8	257	8	2.2	0
02/07/2023 22:10	1.9	260	8	2.2	0
02/07/2023 22:20	1.8	257	8	2.3	0
02/07/2023 22:30	1.9	259	7	2.4	0
02/07/2023 22:40	2.1	258	7	2.8	0
02/07/2023 22:50	2	252	9	2.8	0
02/07/2023 23:00	1.6	253	8	2	0
02/07/2023 23:10	0.2	265	5	1.1	0
02/07/2023 23:20	1.4	268	8	1.8	0
02/07/2023 23:30	2.1	251	11	2.8	0
02/07/2023 23:40	2.1	250	9	2.8	0
02/07/2023 23:50	2.1	255	7	2.8	0
03/07/2023 00:00	2.3	252	8	2.8	0
03/07/2023 00:10	1.2	223	12	1.6	0
03/07/2023 00:20	0.2	184	27	0.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/07/2023 00:30	1	245	16	1.6	0
03/07/2023 00:40	2	242	14	2.7	0
03/07/2023 00:50	2	239	12	2.8	0
03/07/2023 01:00	2.2	243	11	2.9	0
03/07/2023 01:10	2.5	250	9	3.2	0
03/07/2023 01:20	2.4	248	11	3	0
03/07/2023 01:30	2.3	249	10	3	0
03/07/2023 01:40	2.2	245	11	2.8	0
03/07/2023 01:50	2.2	242	14	2.9	0
03/07/2023 02:00	2	248	10	2.5	0
03/07/2023 02:10	2.1	250	11	2.7	0
03/07/2023 02:20	2	247	11	2.7	0
03/07/2023 02:30	2.3	251	9	2.8	0
03/07/2023 02:40	1.9	237	14	2.8	0
03/07/2023 02:50	0.9	196	39	1.4	0
03/07/2023 03:00	0.9	177	37	1.7	0
03/07/2023 03:10	0.7	248	28	1.2	0
03/07/2023 03:20	0.8	255	24	1.3	0
03/07/2023 03:30	0.2	308	12	0.8	0
03/07/2023 03:40	0.3	266	27	1.1	0
03/07/2023 03:50	0.4	247	21	1.2	0
03/07/2023 04:00	0.6	288	28	1.2	0
03/07/2023 04:10	0.7	269	21	1.2	0
03/07/2023 04:20	1.2	250	45	2.3	0
03/07/2023 04:30	1.2	238	28	1.9	0
03/07/2023 04:40	1.4	222	36	2.1	0
03/07/2023 04:50	1.1	235	75	1.8	0
03/07/2023 05:00	1	197	82	2.4	0
03/07/2023 05:10	0.8	119	80	1.5	0
03/07/2023 05:20	1.4	224	38	2.8	0
03/07/2023 05:30	1.7	219	28	2.8	0
03/07/2023 05:40	0.7	225	32	1.7	0
03/07/2023 05:50	0.9	228	46	2	0
03/07/2023 06:00	1.1	185	47	2.2	0
03/07/2023 06:10	1.1	154	69	2.4	0
03/07/2023 06:20	1.5	137	53	2.4	0
03/07/2023 06:30	1.3	141	28	2.4	0
03/07/2023 06:40	0.5	263	19	1	0
03/07/2023 06:50	0.5	210	67	1.2	0
03/07/2023 07:00	1	205	55	2.1	0
03/07/2023 07:10	1.3	136	22	2	0
03/07/2023 07:20	1.3	133	20	2	0
03/07/2023 07:30	1.2	145	53	2.2	0
03/07/2023 07:40	2.1	136	18	3.3	0
03/07/2023 07:50	2.3	142	23	3.4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/07/2023 08:00	1.2	147	58	2.2	0
03/07/2023 08:10	1.9	133	23	3	0
03/07/2023 08:20	1.4	130	34	2.5	0
03/07/2023 08:30	1.5	182	58	2.6	0
03/07/2023 08:40	1.8	150	43	3.1	0
03/07/2023 08:50	1.5	167	38	2.4	0
03/07/2023 09:00	1.5	145	38	2.8	0
03/07/2023 09:10	1.3	108	43	2.5	0
03/07/2023 09:20	1.4	108	35	2.2	0
03/07/2023 09:30	2.6	129	25	4.1	0
03/07/2023 09:40	2.4	100	16	3.3	0
03/07/2023 09:50	3	131	18	4.4	0
03/07/2023 10:00	3.5	139	18	4.8	0
03/07/2023 10:10	2.7	135	35	3.7	0
03/07/2023 10:20	2.4	133	58	3.8	0
03/07/2023 10:30	2.1	96	71	3.2	0
03/07/2023 10:40	1.9	154	85	3.2	0
03/07/2023 10:50	1.8	130	83	3.3	0
03/07/2023 11:00	2.2	189	75	4.2	0
03/07/2023 11:10	2.7	222	48	4.4	0
03/07/2023 11:20	2.7	215	49	4.4	0
03/07/2023 11:30	2.9	225	29	5.2	0
03/07/2023 11:40	2.9	225	23	4.7	0
03/07/2023 11:50	2.9	222	39	4.8	0
03/07/2023 12:00	3.1	234	23	5.3	0
03/07/2023 12:10	2.9	221	16	4.7	0
03/07/2023 12:20	3.3	243	21	4.9	0
03/07/2023 12:30	3.7	250	15	5.1	0
03/07/2023 12:40	3.6	251	16	5.2	0
03/07/2023 12:50	3.8	256	14	5.3	0
03/07/2023 13:00	3.7	268	15	4.8	0
03/07/2023 13:10	3.4	257	15	4.7	0
03/07/2023 13:20	3.4	253	16	4.8	0
03/07/2023 13:30	3.8	250	14	4.9	0
03/07/2023 13:40	3.8	248	13	5.1	0
03/07/2023 13:50	4.1	255	14	5.3	0
03/07/2023 14:00	4	253	13	5.6	0
03/07/2023 14:10	4.1	253	14	5.5	0
03/07/2023 14:20	4.3	254	12	5.6	0
03/07/2023 14:30	4.2	256	13	5.6	0
03/07/2023 14:40	4.1	257	14	5.7	0
03/07/2023 14:50	4.7	262	12	6.2	0
03/07/2023 15:00	4.5	268	15	6.2	0
03/07/2023 15:10	5.1	261	12	6.7	0
03/07/2023 15:20	4.9	262	12	6.2	0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/07/2023 15:30	4.6	262	14	6.3	0
03/07/2023 15:40	4.6	260	11	5.9	0
03/07/2023 15:50	4.7	261	11	6.2	0
03/07/2023 16:00	4.4	262	11	5.6	0
03/07/2023 16:10	4.7	262	11	6.1	0
03/07/2023 16:20	4	275	16	5.6	0
03/07/2023 16:30	4.3	290	13	5.9	0
03/07/2023 16:40	4.2	289	15	5.5	0
03/07/2023 16:50	4.5	292	11	6.1	0
03/07/2023 17:00	4.4	295	13	5.7	0
03/07/2023 17:10	4.4	295	12	5.8	0
03/07/2023 17:20	3.6	292	17	5.2	0
03/07/2023 17:30	4.2	290	12	5.6	0
03/07/2023 17:40	3.4	277	15	5.1	0
03/07/2023 17:50	3.1	275	16	4.2	0
03/07/2023 18:00	3.2	279	16	4.4	0
03/07/2023 18:10	3.2	276	16	4.6	0
03/07/2023 18:20	2.9	271	13	4	0
03/07/2023 18:30	2.6	268	15	3.6	0
03/07/2023 18:40	3.1	264	11	4.2	0
03/07/2023 18:50	2.9	266	13	3.7	0
03/07/2023 19:00	3	259	9	4	0
03/07/2023 19:10	3	257	10	3.8	0
03/07/2023 19:20	3.1	260	8	3.8	0
03/07/2023 19:30	3	259	10	3.9	0
03/07/2023 19:40	3.7	260	9	4.6	0
03/07/2023 19:50	3.6	259	9	4.7	0
03/07/2023 20:00	3.4	264	8	4.5	0
03/07/2023 20:10	3	262	10	3.7	0
03/07/2023 20:20	2.8	262	9	3.6	0
03/07/2023 20:30	3	261	9	4	0
03/07/2023 20:40	2.8	260	11	3.8	0
03/07/2023 20:50	3	261	9	4	0
03/07/2023 21:00	2.6	261	9	3.5	0
03/07/2023 21:10	2.8	262	9	3.6	0
03/07/2023 21:20	3.1	262	9	4	0
03/07/2023 21:30	3.3	261	10	4.3	0
03/07/2023 21:40	3	259	9	3.9	0
03/07/2023 21:50	2.9	259	11	4	0
03/07/2023 22:00	3	260	9	4.1	0
03/07/2023 22:10	2.8	262	8	3.4	0
03/07/2023 22:20	2.8	260	9	3.8	0
03/07/2023 22:30	2.8	257	10	3.7	0
03/07/2023 22:40	3.1	257	10	4	0
03/07/2023 22:50	2.8	252	9	3.7	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/07/2023 23:00	2.7	252	9	3.3	0
03/07/2023 23:10	2.6	253	9	3.2	0
03/07/2023 23:20	2	255	8	2.7	0
03/07/2023 23:30	2.3	258	10	3.2	0
03/07/2023 23:40	2.6	261	7	3.5	0
03/07/2023 23:50	3.1	264	9	4	0
04/07/2023 00:00	2.7	262	9	3.4	0
04/07/2023 00:10	2.2	256	8	2.9	0
04/07/2023 00:20	1.8	255	7	2.3	0
04/07/2023 00:30	2	256	6	2.3	0
04/07/2023 00:40	1.9	259	7	2.4	0
04/07/2023 00:50	1.7	253	6	2.1	0
04/07/2023 01:00	1.7	250	8	2	0
04/07/2023 01:10	1.4	253	10	2	0
04/07/2023 01:20	2	258	7	2.8	0
04/07/2023 01:30	1.7	262	11	2.4	0
04/07/2023 01:40	1.2	257	10	1.8	0
04/07/2023 01:50	0.9	246	18	2.6	0
04/07/2023 02:00	1.6	253	11	2.4	0
04/07/2023 02:10	2	257	10	3	0
04/07/2023 02:20	2.3	258	11	3	0
04/07/2023 02:30	2.5	261	10	3.2	0
04/07/2023 02:40	2.6	260	10	3.5	0
04/07/2023 02:50	2.5	259	9	3.3	0
04/07/2023 03:00	2.3	258	9	3.1	0
04/07/2023 03:10	2.3	259	7	2.8	0
04/07/2023 03:20	2.6	270	9	3.2	0
04/07/2023 03:30	2.5	265	9	3.2	0
04/07/2023 03:40	2.1	267	8	2.8	0
04/07/2023 03:50	2.2	261	8	3	0
04/07/2023 04:00	1.7	256	10	2.3	0
04/07/2023 04:10	1.6	256	8	2	0
04/07/2023 04:20	1.6	252	8	2	0
04/07/2023 04:30	1.6	248	10	2.2	0
04/07/2023 04:40	1.1	247	7	1.8	0
04/07/2023 04:50	0.5	249	4	1.3	0
04/07/2023 05:00	0	248	2	0.4	0
04/07/2023 05:10	0.1	254	2	0.8	0
04/07/2023 05:20	0.9	252	9	2	0
04/07/2023 05:30	0.5	248	9	1.5	0
04/07/2023 05:40	0.3	244	10	0.9	0
04/07/2023 05:50					0
04/07/2023 06:00	0.2	259	7	0.6	0
04/07/2023 06:10	0.1	241	4	0.4	0
04/07/2023 06:20	0.2	295	2	0.6	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/07/2023 06:30	0.7	279	8	1.4	0
04/07/2023 06:40	0.8	270	11	1.5	0
04/07/2023 06:50	0.9	280	8	1.2	0
04/07/2023 07:00	0.5	253	9	1.1	0
04/07/2023 07:10	0.2	228	8	0.6	0
04/07/2023 07:20					0
04/07/2023 07:30	0.1	266	2	0.5	0
04/07/2023 07:40	0.2	239	15	0.6	0
04/07/2023 07:50	0.7	248	14	1.1	0
04/07/2023 08:00	0.8	242	11	1.3	0
04/07/2023 08:10	0.8	228	11	2	0
04/07/2023 08:20	1.9	221	17	2.6	0
04/07/2023 08:30	1.8	220	30	2.5	0
04/07/2023 08:40	2	220	21	2.7	0
04/07/2023 08:50	2	227	18	2.7	0
04/07/2023 09:00	1.5	232	21	2.6	0
04/07/2023 09:10	1.4	225	30	2.7	0
04/07/2023 09:20	1.9	214	45	3.6	0
04/07/2023 09:30	1.7	168	73	3.2	0
04/07/2023 09:40	1.9	131	67	3.5	0
04/07/2023 09:50	2.1	129	78	3.9	0
04/07/2023 10:00	1.8	197	95	3.1	0
04/07/2023 10:10	2.3	247	68	4.4	0
04/07/2023 10:20	3.3	228	15	4.8	0
04/07/2023 10:30	3.2	223	27	5.2	0
04/07/2023 10:40	3.3	225	28	5.1	0
04/07/2023 10:50	3.4	221	21	5.6	0
04/07/2023 11:00	3.9	225	17	5.7	0
04/07/2023 11:10	3.9	223	21	6.6	0
04/07/2023 11:20	3.6	221	20	5.4	0
04/07/2023 11:30	3.8	228	17	5.6	0
04/07/2023 11:40	4	236	17	5.5	0
04/07/2023 11:50	3.9	236	18	5.8	0
04/07/2023 12:00	3.8	234	15	5.4	0
04/07/2023 12:10	3.5	236	17	5.6	0
04/07/2023 12:20	3.5	239	17	5.4	0
04/07/2023 12:30	4.2	233	18	6.1	0
04/07/2023 12:40	4.8	250	12	6.4	0
04/07/2023 12:50	4.3	237	17	6.1	0
04/07/2023 13:00	3.8	234	17	5.4	0
04/07/2023 13:10	4.1	248	15	5.8	0
04/07/2023 13:20	4.3	254	12	6	0
04/07/2023 13:30	4.7	261	13	6.8	0
04/07/2023 13:40	5.7	264	14	7.7	0
04/07/2023 13:50	5.6	263	11	7.2	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/07/2023 14:00	6.1	265	10	7.8	0
04/07/2023 14:10	5.8	263	12	8.1	0
04/07/2023 14:20	6.3	263	9	8.4	0
04/07/2023 14:30	6.4	265	12	8.3	0
04/07/2023 14:40	6.1	262	13	8.2	0
04/07/2023 14:50	6.2	261	12	8.1	0
04/07/2023 15:00	6.3	262	12	8	0
04/07/2023 15:10	7	260	11	9.4	0
04/07/2023 15:20	6.9	263	11	9	0
04/07/2023 15:30	6.2	264	10	7.8	0
04/07/2023 15:40	5.2	264	11	7.1	0
04/07/2023 15:50	5.7	260	13	7.4	0
04/07/2023 16:00	5.8	259	13	7.8	0
04/07/2023 16:10	5	261	12	7.1	0
04/07/2023 16:20	4.7	256	13	6.2	0
04/07/2023 16:30	4.7	260	12	6	0
04/07/2023 16:40	4.7	260	11	6.7	0
04/07/2023 16:50	4.8	263	11	6.6	0
04/07/2023 17:00	5.4	258	11	7.2	0
04/07/2023 17:10	5.4	263	8	7.3	0
04/07/2023 17:20	4.6	263	11	5.6	0
04/07/2023 17:30	4.2	263	9	5.3	0
04/07/2023 17:40	4.7	265	10	6.1	0
04/07/2023 17:50	3.8	262	10	5.1	0
04/07/2023 18:00	3.3	258	13	4.6	0
04/07/2023 18:10	3.3	254	12	4.5	0
04/07/2023 18:20	2.6	254	13	3.8	0
04/07/2023 18:30	2.4	247	14	3.3	0
04/07/2023 18:40	2.1	250	12	2.9	0
04/07/2023 18:50	1.9	251	13	2.5	0
04/07/2023 19:00	2.7	259	10	3.6	0
04/07/2023 19:10	3.2	258	10	3.8	0
04/07/2023 19:20	3	261	10	3.9	0
04/07/2023 19:30	2.5	264	9	3.2	0
04/07/2023 19:40	2.3	263	8	2.9	0
04/07/2023 19:50	2.5	261	10	3.5	0
04/07/2023 20:00	2.7	258	9	3.6	0
04/07/2023 20:10	2.3	259	10	3.1	0
04/07/2023 20:20	1.8	253	11	2.4	0
04/07/2023 20:30	2.1	251	10	2.9	0
04/07/2023 20:40	2	248	9	2.7	0
04/07/2023 20:50	2	250	11	2.8	0
04/07/2023 21:00	2	255	10	2.4	0
04/07/2023 21:10	2.2	253	10	2.8	0
04/07/2023 21:20	2.2	253	11	2.8	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/07/2023 21:30	1.3	247	10	2	0
04/07/2023 21:40	1	253	11	1.4	0
04/07/2023 21:50	0.9	255	7	1.1	0
04/07/2023 22:00	1	255	8	1.3	0
04/07/2023 22:10	1.4	254	7	1.7	0
04/07/2023 22:20	1.4	254	8	1.7	0
04/07/2023 22:30	1.5	259	8	1.9	0
04/07/2023 22:40	0.7	265	5	1.3	0
04/07/2023 22:50					0
04/07/2023 23:00	1	277	11	1.6	0
04/07/2023 23:10	1.6	263	11	2.2	0
04/07/2023 23:20	1.3	271	9	1.8	0
04/07/2023 23:30	0.8	251	16	1.3	0
04/07/2023 23:40	0.7	225	15	1.1	0
04/07/2023 23:50	0.6	233	13	1	0
05/07/2023 00:00					0
05/07/2023 00:10	1.5	282	11	2.3	0
05/07/2023 00:20	1.5	267	8	2	0
05/07/2023 00:30	1.5	260	9	1.9	0
05/07/2023 00:40	1.7	263	8	2.1	0
05/07/2023 00:50	2	261	8	2.4	0
05/07/2023 01:00	2	262	10	2.7	0
05/07/2023 01:10	1.9	259	11	2.6	0
05/07/2023 01:20	1.4	259	12	2	0
05/07/2023 01:30	1.4	248	12	1.9	0
05/07/2023 01:40	1.5	268	9	1.9	0
05/07/2023 01:50	1.2	292	7	1.6	0
05/07/2023 02:00	1.4	294	3	1.7	0
05/07/2023 02:10	1.1	278	7	1.2	0
05/07/2023 02:20	0.9	264	9	1.2	0
05/07/2023 02:30	1.4	264	8	1.8	0
05/07/2023 02:40	1.9	257	9	2.3	0
05/07/2023 02:50	1.8	258	8	2.4	0
05/07/2023 03:00	1.8	263	9	2.4	0
05/07/2023 03:10	1.9	283	9	2.3	0
05/07/2023 03:20	1.2	290	22	1.6	0
05/07/2023 03:30	1	165	27	2.5	0
05/07/2023 03:40	1.4	90	25	2	0
05/07/2023 03:50	0.9	181	44	1.2	0
05/07/2023 04:00	0.9	136	27	1.4	0
05/07/2023 04:10	0.4	279	36	1.1	0
05/07/2023 04:20	1.3	289	12	1.9	0
05/07/2023 04:30	1.4	284	17	2.1	0
05/07/2023 04:40	1.1	308	24	1.6	0
05/07/2023 04:50	0.9	274	55	1.7	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/07/2023 05:00	0.9	17	23	1.7	0
05/07/2023 05:10	0.8	24	27	1.4	0
05/07/2023 05:20	0.6	56	12	1.2	0
05/07/2023 05:30	1.2	55	8	1.6	0
05/07/2023 05:40	1.5	57	9	1.8	0
05/07/2023 05:50	1.3	98	23	2	0
05/07/2023 06:00	0.9	103	24	1.5	0
05/07/2023 06:10	1.1	120	12	1.5	0
05/07/2023 06:20	1.4	130	19	2	0
05/07/2023 06:30	1.5	143	16	2.1	0
05/07/2023 06:40	1.2	149	19	1.7	0
05/07/2023 06:50	0.7	133	17	1.3	0
05/07/2023 07:00	0.8	108	13	1.2	0
05/07/2023 07:10	0.9	95	9	1.2	0
05/07/2023 07:20	1.4	97	8	1.7	0
05/07/2023 07:30	1.4	102	8	1.8	0
05/07/2023 07:40	1.1	95	9	1.4	0
05/07/2023 07:50	1.3	98	8	1.6	0
05/07/2023 08:00	1.6	92	10	2	0
05/07/2023 08:10	2.2	113	12	3.1	0
05/07/2023 08:20	2.4	110	12	3.6	0
05/07/2023 08:30	2.6	118	15	3.4	0
05/07/2023 08:40	2.6	126	17	3.7	0
05/07/2023 08:50	2.5	122	15	3.4	0
05/07/2023 09:00	2.7	126	18	3.6	0
05/07/2023 09:10	2.5	132	16	3.6	0
05/07/2023 09:20	3	133	16	4.2	0
05/07/2023 09:30	2.8	125	17	3.9	0
05/07/2023 09:40	3.3	119	17	5.1	0
05/07/2023 09:50	3.4	110	17	4.7	0
05/07/2023 10:00	3.9	122	16	5.1	0
05/07/2023 10:10	3.8	118	16	5.2	0
05/07/2023 10:20	3.5	101	14	4.8	0
05/07/2023 10:30	2.9	106	19	4.1	0
05/07/2023 10:40	3.1	108	18	4.8	0
05/07/2023 10:50	3.4	97	13	4.8	0
05/07/2023 11:00	3.1	109	16	4.9	0
05/07/2023 11:10	3.3	109	15	4.5	0
05/07/2023 11:20	3.4	87	15	4.8	0
05/07/2023 11:30	3.2	87	16	4.4	0
05/07/2023 11:40	2.9	101	16	4.9	0
05/07/2023 11:50	2.4	87	24	3.7	0
05/07/2023 12:00	2.7	77	16	4.5	0
05/07/2023 12:10	2.8	77	20	4.1	0
05/07/2023 12:20	2.2	81	35	4	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/07/2023 12:30	2.6	83	30	4	0
05/07/2023 12:40	2.5	86	19	4.1	0
05/07/2023 12:50	2.7	87	15	4.1	0
05/07/2023 13:00	2.8	91	16	4.4	0
05/07/2023 13:10	2.8	90	16	4.4	0
05/07/2023 13:20	2.6	91	18	3.6	0
05/07/2023 13:30	2.9	89	14	4.4	0
05/07/2023 13:40	2.8	81	19	4	0
05/07/2023 13:50	3.3	87	17	4.4	0
05/07/2023 14:00	3.5	79	12	4.8	0
05/07/2023 14:10	3.5	80	17	5.1	0
05/07/2023 14:20	3.9	65	15	5.2	0
05/07/2023 14:30	4	74	12	5.6	0
05/07/2023 14:40	3.8	74	16	6.1	0
05/07/2023 14:50	3.8	74	14	5.4	0
05/07/2023 15:00	3.9	68	14	5.2	0
05/07/2023 15:10	4	64	15	5.6	0
05/07/2023 15:20	4.5	67	11	5.7	0
05/07/2023 15:30	4.5	68	11	5.8	0
05/07/2023 15:40	4.5	66	13	6.9	0
05/07/2023 15:50	4.7	64	11	6.2	0
05/07/2023 16:00	5.1	64	10	6.6	0
05/07/2023 16:10	4.9	66	14	6.3	0
05/07/2023 16:20	4	58	13	5.6	0
05/07/2023 16:30	3.4	47	16	4.8	0
05/07/2023 16:40	2.3	22	32	3.4	0
05/07/2023 16:50	2.7	186	23	4.4	0
05/07/2023 17:00	2	180	27	3.4	0
05/07/2023 17:10	2.7	18	18	3.6	0
05/07/2023 17:20	2.7	19	15	3.7	0
05/07/2023 17:30	2.1	7	17	3.2	0
05/07/2023 17:40	1.5	291	23	2.6	0
05/07/2023 17:50	2.2	252	12	3.2	0
05/07/2023 18:00	2.8	243	11	4	0
05/07/2023 18:10	3.1	257	11	4.4	0
05/07/2023 18:20	2	252	16	2.9	0
05/07/2023 18:30	1.4	255	21	2.3	0
05/07/2023 18:40	1.8	241	14	2.6	0
05/07/2023 18:50	2.5	246	11	3.6	0
05/07/2023 19:00	3.1	255	10	4	0
05/07/2023 19:10	3.3	256	10	4.3	0
05/07/2023 19:20	3	251	11	4.1	0
05/07/2023 19:30	2.8	250	9	3.6	0
05/07/2023 19:40	3.1	249	11	4.4	0
05/07/2023 19:50	3	253	10	4.1	0



# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/07/2023 20:00	2.7	249	10	3.6	0
05/07/2023 20:10	2.6	250	11	3.3	0
05/07/2023 20:20	2.9	256	10	3.6	0
05/07/2023 20:30	2.9	254	9	3.8	0
05/07/2023 20:40	3.1	252	10	4	0
05/07/2023 20:50	2.6	249	10	3.3	0
05/07/2023 21:00	2.3	250	8	2.9	0
05/07/2023 21:10	1.8	239	7	2.3	0
05/07/2023 21:20	2	248	7	2.5	0
05/07/2023 21:30	2.4	252	9	3	0
05/07/2023 21:40	1.9	250	8	2.4	0
05/07/2023 21:50	1.7	248	9	2.2	0
05/07/2023 22:00	1.7	239	8	2.1	0
05/07/2023 22:10	1.9	250	8	2.5	0
05/07/2023 22:20	2.1	249	8	2.5	0
05/07/2023 22:30	1.9	250	8	2.4	0
05/07/2023 22:40	1.6	247	8	2.1	0
05/07/2023 22:50	2.1	248	10	2.8	0
05/07/2023 23:00	2.6	250	10	3.3	0
05/07/2023 23:10	2.3	256	10	3.2	0
05/07/2023 23:20	2.1	252	10	3.1	0
05/07/2023 23:30	2.3	252	10	3.1	0
05/07/2023 23:40	2.5	256	11	3.2	0
05/07/2023 23:50	2.3	255	11	3.2	0
06/07/2023 00:00	2	252	10	2.9	0
06/07/2023 00:10	2	250	11	3	0
06/07/2023 00:20	1.6	249	8	2	0
06/07/2023 00:30	1.7	253	8	2	0
06/07/2023 00:40	1.6	249	9	2	0
06/07/2023 00:50	1.7	253	8	2.1	0
06/07/2023 01:00	1.9	254	9	2.4	0
06/07/2023 01:10	2	252	9	2.4	0
06/07/2023 01:20	2	250	9	2.6	0
06/07/2023 01:30	2.1	256	10	2.6	0
06/07/2023 01:40	2	256	8	2.4	0
06/07/2023 01:50	2	256	8	2.4	0
06/07/2023 02:00	1.8	245	9	3.1	0
06/07/2023 02:10	1.6	253	10	2	0
06/07/2023 02:20	1.2	240	7	1.6	0
06/07/2023 02:30	1.5	252	8	1.9	0
06/07/2023 02:40	1.4	250	10	2	0
06/07/2023 02:50	0.4	218	8	0.9	0
06/07/2023 03:00	0.9	242	6	1.3	0
06/07/2023 03:10					0
06/07/2023 03:20					0





# Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/07/2023 03:30	0	216	0	0.4	0
06/07/2023 03:40					0
06/07/2023 03:50					0
06/07/2023 04:00	0	260	0	0.4	0
06/07/2023 04:10	0.1	172	7	0.7	0
06/07/2023 04:20	0.1	175	14	0.5	0
06/07/2023 04:30	0	110	0	0.4	0
06/07/2023 04:40					0
06/07/2023 04:50	0.1	120	8	1.2	0
06/07/2023 05:00	1.2	134	14	2	0
06/07/2023 05:10	1.1	116	57	1.6	0
06/07/2023 05:20	1.2	111	21	1.8	0
06/07/2023 05:30	1.7	106	8	2	0
06/07/2023 05:40	2	108	7	2.5	0
06/07/2023 05:50	2.3	121	8	2.9	0
06/07/2023 06:00	2.3	118	8	3.2	0
06/07/2023 06:10	2.3	115	8	2.8	0
06/07/2023 06:20	2.1	120	8	2.7	0
06/07/2023 06:30	1.6	109	6	2	0
06/07/2023 06:40	1.6	107	6	1.8	0
06/07/2023 06:50	1.9	97	7	2.4	0
06/07/2023 07:00	2.1	103	9	2.8	0
06/07/2023 07:10	2.2	93	9	3	0
06/07/2023 07:20	2.2	95	7	2.8	0
06/07/2023 07:30	2.3	94	9	2.9	0
06/07/2023 07:40	1.9	91	10	2.4	0
06/07/2023 07:50	2.4	88	9	3.2	0
06/07/2023 08:00	2.4	87	9	2.9	0
06/07/2023 08:10	2.6	86	10	3.6	0
06/07/2023 08:20	3	86	10	4.3	0
06/07/2023 08:30	3.1	88	11	4.2	0
06/07/2023 08:40	2.9	93	10	4	0
06/07/2023 08:50	3.6	98	12	4.8	0
06/07/2023 09:00	4.4	107	10	6	0
06/07/2023 09:10	4.7	102	10	6.4	0
06/07/2023 09:20	4.2	102	12	5.7	0
06/07/2023 09:30	4.5	100	12	6	0
06/07/2023 09:40	3.9	101	13	4.8	0
06/07/2023 09:50	4.1	101	11	5.4	0
06/07/2023 10:00	4.2	106	13	5.7	0
06/07/2023 10:10	5	104	13	7.3	0
06/07/2023 10:20	4.6	96	13	6.4	0
06/07/2023 10:30	4.3	95	16	6.4	0
06/07/2023 10:40	4.8	99	14	7.5	0
06/07/2023 10:50	4.4	93	14	6.1	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/07/2023 11:00	4.7	97	13	6.1	0
06/07/2023 11:10	4.3	97	15	6.4	0
06/07/2023 11:20	4.9	84	14	6.8	0
06/07/2023 11:30	4.7	86	14	6.4	0
06/07/2023 11:40	4.1	92	14	6	0
06/07/2023 11:50	4.8	100	16	6.9	0
06/07/2023 12:00	4.8	103	12	6.9	0
06/07/2023 12:10	4.7	94	13	6.4	0
06/07/2023 12:20	4.7	94	12	6.4	0
06/07/2023 12:30	4.4	94	15	6.1	0
06/07/2023 12:40	4.6	86	12	6.1	0
06/07/2023 12:50	4.3	83	13	6	0
06/07/2023 13:00	4.7	84	11	6.4	0
06/07/2023 13:10	4	83	13	5.6	0
06/07/2023 13:20	4.6	72	13	6.4	0
06/07/2023 13:30	4.9	80	13	6.2	0
06/07/2023 13:40	4.4	76	14	6	0
06/07/2023 13:50	4.6	76	13	6.3	0
06/07/2023 14:00	4.7	69	10	6.5	0
06/07/2023 14:10	4.8	71	12	6.5	0
06/07/2023 14:20	4.7	64	11	6.2	0
06/07/2023 14:30	5	72	12	7.5	0
06/07/2023 14:40	4.8	69	12	6	0
06/07/2023 14:50	4.7	66	13	6.4	0
06/07/2023 15:00	4.4	60	13	6	0
06/07/2023 15:10	4.2	64	13	5.6	0
06/07/2023 15:20	4.3	70	11	5.8	0
06/07/2023 15:30	4	66	12	5.6	0
06/07/2023 15:40	4.1	60	13	5.6	0
06/07/2023 15:50	4.4	56	11	6.1	0
06/07/2023 16:00	3.9	62	12	5.2	0
06/07/2023 16:10	4	63	12	5.2	0
06/07/2023 16:20	4	58	12	5	0
06/07/2023 16:30	4	59	11	5.2	0
06/07/2023 16:40	3.9	58	10	5.1	0
06/07/2023 16:50	3.5	57	10	4.8	0
06/07/2023 17:00	3.4	58	12	4.7	0
06/07/2023 17:10	2.9	55	9	4	0
06/07/2023 17:20	2.7	58	10	3.7	0
06/07/2023 17:30	2.3	64	10	3	0
06/07/2023 17:40	2.1	64	10	2.6	0
06/07/2023 17:50	1.8	64	10	2.4	0
06/07/2023 18:00	1.6	58	10	2.3	0
06/07/2023 18:10	1.7	52	8	2	0
06/07/2023 18:20	1.7	53	9	2.1	0



## Yara Pilbara Nitrates- Burrup Road 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/07/2023 18:30	1.6	48	7	2	0
06/07/2023 18:40	0.9	66	31	1.7	0
06/07/2023 18:50	0.6	98	11	1	0
06/07/2023 19:00	0.8	63	13	1	0
06/07/2023 19:10	0.7	59	6	1.1	0
06/07/2023 19:20	0.8	77	17	1.2	0
06/07/2023 19:30	0.8	151	31	1.2	0
06/07/2023 19:40	0.5	263	15	0.9	0
06/07/2023 19:50	0.4	276	7	0.8	0
06/07/2023 20:00	0.5	289	8	0.9	0
06/07/2023 20:10	0.2	248	8	0.8	0
06/07/2023 20:20	0.7	138	30	1.2	0
06/07/2023 20:30	0.9	28	12	1.1	0
06/07/2023 20:40	0.8	35	8	1.2	0
06/07/2023 20:50	1	54	6	1.3	0
06/07/2023 21:00	1	57	7	1.4	0
06/07/2023 21:10	0.8	63	6	1.2	0
06/07/2023 21:20	1.1	64	6	1.3	0
06/07/2023 21:30	0.7	65	22	1	0
06/07/2023 21:40	0.8	97	10	1.1	0
06/07/2023 21:50	0.8	90	7	1.1	0
06/07/2023 22:00	0.1	78	6	0.6	0
06/07/2023 22:10	0.3	54	4	0.9	0
06/07/2023 22:20					0
06/07/2023 22:30	0.6	235	11	1.2	0
06/07/2023 22:40	0.6	250	16	1.2	0
06/07/2023 22:50	0.7	281	14	1.3	0
06/07/2023 23:00	0.5	281	8	1.6	0
06/07/2023 23:10	0.9	347	35	1.4	0
06/07/2023 23:20	0.4	176	12	1.1	0
06/07/2023 23:30	0.4	101	12	0.9	0
06/07/2023 23:40	1.3	111	16	2	0
06/07/2023 23:50	1.2	92	12	1.8	0
07/07/2023 00:00	1	89	11	1.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/07/2022 00:10	1.3	342	7	1.6	0.00
08/07/2022 00:20	1.0	346	12	1.2	0.00
08/07/2022 00:30	1.3	343	12	1.6	0.00
08/07/2022 00:40	1.2	343	11	1.5	0.00
08/07/2022 00:50	1.2	349	18	1.6	0.00
08/07/2022 01:00	1.3	353	11	1.5	0.00
08/07/2022 01:10	1.2	347	11	1.5	0.00
08/07/2022 01:20	1.3	342	9	1.6	0.00
08/07/2022 01:30	1.3	343	12	1.6	0.00
08/07/2022 01:40	1.4	349	13	1.7	0.00
08/07/2022 01:50	1.2	349	13	1.6	0.00
08/07/2022 02:00	1.3	351	15	1.6	0.00
08/07/2022 02:10	1.2	350	13	1.5	0.00
08/07/2022 02:20	1.2	349	13	1.5	0.00
08/07/2022 02:30	1.2	355	14	1.5	0.00
08/07/2022 02:40	1.1	181	15	1.4	0.00
08/07/2022 02:50	1.1	352	14	1.5	0.00
08/07/2022 03:00	1.2	338	12	1.6	0.00
08/07/2022 03:10	1.1	347	13	1.4	0.00
08/07/2022 03:20	1.2	347	14	1.6	0.00
08/07/2022 03:30	0.9	339	12	1.5	0.00
08/07/2022 03:40	0.6	67	57	1.2	0.00
08/07/2022 03:50	0.6	300	73	1.2	0.00
08/07/2022 04:00	0.9	254	39	1.5	0.00
08/07/2022 04:10	1.3	244	14	1.7	0.00
08/07/2022 04:20	0.7	245	44	1.1	0.00
08/07/2022 04:30	0.3	142	47	0.8	0.00
08/07/2022 04:40	0.6	333	22	1.2	0.00
08/07/2022 04:50	0.8	353	12	1.4	0.00
08/07/2022 05:00	0.9	10	16	1.2	0.00
08/07/2022 05:10	0.8	12	14	1.2	0.00
08/07/2022 05:20	1.1	9	13	1.4	0.00
08/07/2022 05:30	1.0	6	14	1.3	0.00
08/07/2022 05:40	1.2	183	14	1.5	0.00
08/07/2022 05:50	1.1	180	13	1.5	0.00
08/07/2022 06:00	1.1	6	14	1.5	0.00
08/07/2022 06:10	0.6	8	16	1.0	0.00
08/07/2022 06:20	0.5	182	21	0.8	0.00
08/07/2022 06:30	0.4	192	21	0.8	0.00
08/07/2022 06:40	0.3	12	19	0.8	0.00
08/07/2022 06:50	0.7	32	20	0.9	0.00
08/07/2022 07:00	0.9	44	20	1.3	0.00
08/07/2022 07:10	0.6	37	24	1.2	0.00
08/07/2022 07:20	0.6	43	47	1.6	0.00
08/07/2022 07:30	0.4	40	28	0.8	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/07/2022 07:40	0.6	76	23	1.2	0.00
08/07/2022 07:50	1.0	85	20	1.6	0.00
08/07/2022 08:00	0.3	86	7	1.0	0.00
08/07/2022 08:10	0.8	90	23	1.6	0.00
08/07/2022 08:20	1.1	93	28	1.8	0.00
08/07/2022 08:30	1.1	85	17	2.3	0.00
08/07/2022 08:40	1.5	102	30	2.5	0.00
08/07/2022 08:50	1.3	102	33	2.4	0.00
08/07/2022 09:00	1.8	90	22	2.9	0.00
08/07/2022 09:10	1.9	103	29	3.3	0.00
08/07/2022 09:20	1.7	93	22	2.9	0.00
08/07/2022 09:30	1.7	105	26	2.8	0.00
08/07/2022 09:40	1.6	111	30	2.8	0.00
08/07/2022 09:50	1.4	113	29	2.4	0.00
08/07/2022 10:00	1.7	94	31	2.4	0.00
08/07/2022 10:10	2.0	95	27	3.1	0.00
08/07/2022 10:20	2.0	96	28	3.6	0.00
08/07/2022 10:30	2.2	89	24	3.5	0.00
08/07/2022 10:40	2.1	84	28	3.4	0.00
08/07/2022 10:50	1.6	73	28	3.6	0.00
08/07/2022 11:00	2.4	70	28	4.4	0.00
08/07/2022 11:10	2.1	68	31	3.6	0.00
08/07/2022 11:20	2.5	55	22	4.3	0.00
08/07/2022 11:30	2.9	50	22	5.0	0.00
08/07/2022 11:40	3.1	50	21	5.0	0.00
08/07/2022 11:50	3.1	54	21	5.0	0.00
08/07/2022 12:00	3.0	58	20	4.5	0.00
08/07/2022 12:10	3.0	48	21	4.8	0.00
08/07/2022 12:20	2.7	52	24	4.1	0.00
08/07/2022 12:30	2.7	56	22	4.2	0.00
08/07/2022 12:40	2.8	59	19	4.6	0.00
08/07/2022 12:50	2.4	60	23	4.0	0.00
08/07/2022 13:00	2.5	60	25	4.0	0.00
08/07/2022 13:10	2.6	62	26	4.2	0.00
08/07/2022 13:20	2.5	57	23	4.4	0.00
08/07/2022 13:30	2.9	59	24	4.7	0.00
08/07/2022 13:40	2.7	57	25	4.4	0.00
08/07/2022 13:50	2.7	54	23	4.3	0.00
08/07/2022 14:00	2.7	54	22	4.0	0.00
08/07/2022 14:10	2.5	58	21	3.7	0.00
08/07/2022 14:20	1.6	64	22	3.2	0.00
08/07/2022 14:30	2.0	60	20	3.4	0.00
08/07/2022 14:40	2.2	58	23	3.7	0.00
08/07/2022 14:50	0.6	65	15	2.9	0.00
08/07/2022 15:00	0.3	71	8	2.0	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/07/2022 15:10	0.0	73	0	1.1	0.00
08/07/2022 15:20	0.0	60	7	1.1	0.00
08/07/2022 15:30	0.6	46	7	3.8	0.00
08/07/2022 15:40					0.00
08/07/2022 15:50	0.1	67	2	1.9	0.00
08/07/2022 16:00					0.00
08/07/2022 16:10					0.00
08/07/2022 16:20	0.6	42	5	2.7	0.00
08/07/2022 16:30	2.2	46	20	3.9	0.00
08/07/2022 16:40	2.2	48	19	3.2	0.00
08/07/2022 16:50	1.7	37	18	2.4	0.00
08/07/2022 17:00	1.9	38	18	2.8	0.00
08/07/2022 17:10	1.8	37	20	2.8	0.00
08/07/2022 17:20	1.4	41	17	2.2	0.00
08/07/2022 17:30	1.5	35	19	2.1	0.00
08/07/2022 17:40	1.5	35	14	2.2	0.00
08/07/2022 17:50	1.3	28	14	1.6	0.00
08/07/2022 18:00	1.1	17	13	1.6	0.00
08/07/2022 18:10	1.1	15	12	1.5	0.00
08/07/2022 18:20	1.0	12	12	1.4	0.00
08/07/2022 18:30	0.9	179	15	1.2	0.00
08/07/2022 18:40	0.8	354	17	1.1	0.00
08/07/2022 18:50	0.7	357	20	1.1	0.00
08/07/2022 19:00	0.8	358	19	1.1	0.00
08/07/2022 19:10	0.7	182	18	1.0	0.00
08/07/2022 19:20	0.9	178	20	1.3	0.00
08/07/2022 19:30	1.0	354	23	1.4	0.00
08/07/2022 19:40	0.9	354	20	1.2	0.00
08/07/2022 19:50	0.9	356	21	1.2	0.00
08/07/2022 20:00	1.0	353	17	1.2	0.00
08/07/2022 20:10	1.0	350	16	1.4	0.00
08/07/2022 20:20	1.1	349	13	1.6	0.00
08/07/2022 20:30	0.8	180	17	1.2	0.00
08/07/2022 20:40	1.0	347	9	1.2	0.00
08/07/2022 20:50	0.9	346	12	1.2	0.00
08/07/2022 21:00	0.9	353	15	1.1	0.00
08/07/2022 21:10	0.8	350	10	1.0	0.00
08/07/2022 21:20	0.8	178	15	1.2	0.00
08/07/2022 21:30	0.9	352	11	1.2	0.00
08/07/2022 21:40	1.0	354	10	1.3	0.00
08/07/2022 21:50	0.9	352	12	1.2	0.00
08/07/2022 22:00	1.1	345	10	1.4	0.00
08/07/2022 22:10	1.1	345	12	1.4	0.00
08/07/2022 22:20	1.2	344	12	1.4	0.00
08/07/2022 22:30	1.3	344	12	1.7	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/07/2022 22:40	1.2	348	10	1.5	0.00
08/07/2022 22:50	1.2	346	13	1.6	0.00
08/07/2022 23:00	1.3	343	13	1.6	0.00
08/07/2022 23:10	1.4	341	8	1.6	0.00
08/07/2022 23:20	1.2	346	11	1.6	0.00
08/07/2022 23:30	1.3	344	11	1.6	0.00
08/07/2022 23:40	1.4	342	8	1.6	0.00
08/07/2022 23:50	1.4	343	8	1.6	0.00
09/07/2022 00:00	1.3	350	15	1.7	0.00
09/07/2022 00:10	1.3	345	10	1.6	0.00
09/07/2022 00:20	1.2	344	12	1.5	0.00
09/07/2022 00:30	1.1	347	12	1.5	0.00
09/07/2022 00:40	1.3	344	12	1.6	0.00
09/07/2022 00:50	1.2	347	9	1.6	0.00
09/07/2022 01:00	1.3	349	11	1.6	0.00
09/07/2022 01:10	1.3	347	12	1.6	0.00
09/07/2022 01:20	1.1	350	14	1.4	0.00
09/07/2022 01:30	1.1	351	16	1.3	0.00
09/07/2022 01:40	1.0	347	14	1.2	0.00
09/07/2022 01:50	1.0	345	10	1.3	0.00
09/07/2022 02:00	1.1	345	8	1.3	0.00
09/07/2022 02:10	1.2	345	10	1.5	0.00
09/07/2022 02:20	1.1	288	25	1.5	0.00
09/07/2022 02:30	1.4	241	14	1.9	0.00
09/07/2022 02:40	1.2	207	20	2.2	0.00
09/07/2022 02:50	0.6	238	40	1.2	0.00
09/07/2022 03:00	0.6	256	30	1.2	0.00
09/07/2022 03:10	0.6	259	37	1.2	0.00
09/07/2022 03:20	0.8	326	26	1.2	0.00
09/07/2022 03:30	0.8	332	21	1.2	0.00
09/07/2022 03:40	0.7	352	15	1.2	0.00
09/07/2022 03:50	1.2	350	12	1.6	0.00
09/07/2022 04:00	0.8	181	15	1.2	0.00
09/07/2022 04:10	0.9	180	18	1.2	0.00
09/07/2022 04:20	1.1	355	15	1.4	0.00
09/07/2022 04:30	1.2	351	15	1.5	0.00
09/07/2022 04:40	1.2	354	12	1.5	0.00
09/07/2022 04:50	1.1	180	14	1.4	0.00
09/07/2022 05:00	1.0	186	15	1.3	0.00
09/07/2022 05:10	1.1	11	16	1.5	0.00
09/07/2022 05:20	0.8	16	15	1.2	0.00
09/07/2022 05:30	0.8	21	13	1.2	0.00
09/07/2022 05:40	0.7	23	15	1.0	0.00
09/07/2022 05:50	0.9	25	17	1.4	0.00
09/07/2022 06:00	0.9	30	23	1.2	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/07/2022 06:10	0.8	29	22	1.2	0.00
09/07/2022 06:20	0.7	26	18	0.9	0.00
09/07/2022 06:30	0.6	21	24	1.2	0.00
09/07/2022 06:40	0.6	11	23	0.9	0.00
09/07/2022 06:50	0.6	26	25	1.0	0.00
09/07/2022 07:00	0.5	187	30	0.8	0.00
09/07/2022 07:10	0.4	210	41	0.8	0.00
09/07/2022 07:20	0.4	38	39	0.9	0.00
09/07/2022 07:30	0.2	61	23	0.7	0.00
09/07/2022 07:40	0.0	91	0	0.4	0.00
09/07/2022 07:50	0.2	87	9	1.4	0.00
09/07/2022 08:00					0.00
09/07/2022 08:10					0.00
09/07/2022 08:20	0.7	110	24	2.4	0.00
09/07/2022 08:30	1.4	107	29	2.8	0.00
09/07/2022 08:40	1.8	118	26	3.0	0.00
09/07/2022 08:50	1.7	107	28	2.6	0.00
09/07/2022 09:00	1.8	109	33	3.6	0.00
09/07/2022 09:10	1.9	105	27	3.2	0.00
09/07/2022 09:20	1.9	117	28	3.0	0.00
09/07/2022 09:30	2.0	103	28	3.2	0.00
09/07/2022 09:40	2.2	96	27	3.7	0.00
09/07/2022 09:50	1.9	98	24	3.2	0.00
09/07/2022 10:00	2.1	92	24	3.6	0.00
09/07/2022 10:10	2.9	92	23	4.2	0.00
09/07/2022 10:20	2.8	80	23	5.2	0.00
09/07/2022 10:30	2.9	81	21	4.6	0.00
09/07/2022 10:40	3.2	78	21	5.0	0.00
09/07/2022 10:50	2.6	84	26	4.3	0.00
09/07/2022 11:00	2.5	83	23	4.4	0.00
09/07/2022 11:10	2.6	77	26	4.3	0.00
09/07/2022 11:20	2.5	84	27	4.3	0.00
09/07/2022 11:30	2.4	75	26	4.2	0.00
09/07/2022 11:40	2.5	62	24	4.2	0.00
09/07/2022 11:50	2.7	49	21	4.6	0.00
09/07/2022 12:00	2.8	55	23	4.1	0.00
09/07/2022 12:10	2.8	52	18	4.4	0.00
09/07/2022 12:20	2.8	60	22	5.0	0.00
09/07/2022 12:30	2.5	59	25	3.9	0.00
09/07/2022 12:40	2.6	59	24	4.7	0.00
09/07/2022 12:50	2.2	65	23	3.8	0.00
09/07/2022 13:00	2.2	84	24	3.9	0.00
09/07/2022 13:10	2.2	93	29	3.6	0.00
09/07/2022 13:20	2.2	68	27	3.4	0.00
09/07/2022 13:30	2.3	99	28	3.8	0.00





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/07/2022 13:40	2.3	84	22	3.6	0.00
09/07/2022 13:50	2.5	63	23	3.8	0.00
09/07/2022 14:00	2.3	63	26	4.3	0.00
09/07/2022 14:10	2.6	62	24	3.9	0.00
09/07/2022 14:20	2.5	67	22	4.0	0.00
09/07/2022 14:30	2.7	74	20	4.4	0.00
09/07/2022 14:40	2.4	62	22	3.8	0.00
09/07/2022 14:50	2.3	56	22	3.8	0.00
09/07/2022 15:00	2.8	59	21	4.5	0.00
09/07/2022 15:10	2.4	68	24	4.6	0.00
09/07/2022 15:20	2.4	56	24	4.4	0.00
09/07/2022 15:30	2.4	56	19	4.1	0.00
09/07/2022 15:40	2.3	55	20	3.6	0.00
09/07/2022 15:50	2.2	54	22	3.4	0.00
09/07/2022 16:00	2.3	43	21	3.7	0.00
09/07/2022 16:10	2.1	56	19	3.6	0.00
09/07/2022 16:20	2.0	44	18	3.1	0.00
09/07/2022 16:30	2.3	52	14	3.8	0.00
09/07/2022 16:40	2.1	49	19	3.2	0.00
09/07/2022 16:50	1.9	45	17	3.0	0.00
09/07/2022 17:00	1.9	38	24	2.9	0.00
09/07/2022 17:10	1.9	40	18	2.8	0.00
09/07/2022 17:20	2.1	41	17	3.0	0.00
09/07/2022 17:30	2.1	44	16	3.1	0.00
09/07/2022 17:40	1.6	38	21	2.3	0.00
09/07/2022 17:50	1.5	37	18	2.2	0.00
09/07/2022 18:00	1.5	33	20	2.2	0.00
09/07/2022 18:10	1.5	31	16	2.0	0.00
09/07/2022 18:20	1.3	27	15	1.7	0.00
09/07/2022 18:30	1.2	23	15	1.7	0.00
09/07/2022 18:40	1.0	25	16	1.5	0.00
09/07/2022 18:50	0.2	205	21	0.6	0.00
09/07/2022 19:00	0.0	103	10	0.5	0.00
09/07/2022 19:10					0.00
09/07/2022 19:20	0.5	351	8	0.9	0.00
09/07/2022 19:30	0.8	353	13	1.1	0.00
09/07/2022 19:40	0.9	353	19	1.2	0.00
09/07/2022 19:50	1.0	352	14	1.3	0.00
09/07/2022 20:00	1.1	358	15	1.4	0.00
09/07/2022 20:10	1.0	356	21	1.3	0.00
09/07/2022 20:20	0.9	352	16	1.2	0.00
09/07/2022 20:30	1.1	347	10	1.4	0.00
09/07/2022 20:40	1.3	347	11	1.6	0.00
09/07/2022 20:50	1.1	355	17	1.4	0.00
09/07/2022 21:00	1.1	346	10	1.3	0.00



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/07/2022 21:10	1.2	343	9	1.4	0.00
09/07/2022 21:20	1.1	342	8	1.2	0.00
09/07/2022 21:30	1.1	343	10	1.2	0.00
09/07/2022 21:40	1.1	340	6	1.3	0.00
09/07/2022 21:50	0.9	342	6	1.1	0.00
09/07/2022 22:00	1.0	347	5	1.3	0.00
09/07/2022 22:10	1.0	349	11	1.3	0.00
09/07/2022 22:20	1.3	341	11	1.6	0.00
09/07/2022 22:30	1.5	331	4	1.8	0.00
09/07/2022 22:40	1.0	312	31	1.4	0.00
09/07/2022 22:50	0.6	321	26	0.8	0.00
09/07/2022 23:00	0.7	357	13	1.0	0.00
09/07/2022 23:10	1.0	348	9	1.3	0.00
09/07/2022 23:20	1.0	343	9	1.3	0.00
09/07/2022 23:30	1.3	342	10	1.6	0.00
09/07/2022 23:40	1.2	339	6	1.3	0.00
09/07/2022 23:50	1.1	346	11	1.3	0.00
10/07/2022 00:00	0.8	351	15	1.1	0.00
10/07/2022 00:10	1.2	349	9	1.5	0.00
10/07/2022 00:20	1.0	344	9	1.3	0.00
10/07/2022 00:30	1.0	352	9	1.2	0.00
10/07/2022 00:40	1.1	343	10	1.4	0.00
10/07/2022 00:50	0.8	12	33	1.3	0.00
10/07/2022 01:00	0.8	186	22	1.1	0.00
10/07/2022 01:10	1.0	349	12	1.2	0.00
10/07/2022 01:20	1.0	347	8	1.3	0.00
10/07/2022 01:30	1.2	343	7	1.6	0.00
10/07/2022 01:40	0.9	348	12	1.2	0.00
10/07/2022 01:50	0.6	30	37	0.9	0.00
10/07/2022 02:00	0.9	172	16	1.2	0.00
10/07/2022 02:10	1.0	181	15	1.4	0.00
10/07/2022 02:20	0.8	38	26	1.2	0.00
10/07/2022 02:30	0.9	187	15	1.2	0.00
10/07/2022 02:40	0.7	184	26	1.1	0.00
10/07/2022 02:50	0.7	35	24	1.0	0.00
10/07/2022 03:00	0.7	65	59	1.6	0.00
10/07/2022 03:10	0.6	199	29	1.4	0.00
10/07/2022 03:20	0.5	33	28	0.8	0.00
10/07/2022 03:30	0.5	16	22	1.0	0.00
10/07/2022 03:40	0.5	56	25	1.1	0.00
10/07/2022 03:50	0.5	22	33	1.0	0.00
10/07/2022 04:00	0.8	114	65	1.5	0.00
10/07/2022 04:10	0.6	48	41	1.1	0.00
10/07/2022 04:20	0.9	184	18	1.4	0.00
10/07/2022 04:30	1.2	356	14	1.5	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/07/2022 04:40	1.2	352	10	1.5	0.00
10/07/2022 04:50	1.2	353	15	1.5	0.00
10/07/2022 05:00	1.1	182	19	1.6	0.00
10/07/2022 05:10	0.6	185	64	1.4	0.00
10/07/2022 05:20	0.9	349	45	1.3	0.00
10/07/2022 05:30	1.1	350	20	1.4	0.00
10/07/2022 05:40	0.5	42	66	1.0	0.00
10/07/2022 05:50	1.1	353	12	1.5	0.00
10/07/2022 06:00	1.1	350	12	1.6	0.00
10/07/2022 06:10	1.0	346	14	1.5	0.00
10/07/2022 06:20	1.2	349	13	1.6	0.00
10/07/2022 06:30	1.1	184	14	1.5	0.00
10/07/2022 06:40	0.8	184	16	1.1	0.00
10/07/2022 06:50	0.9	351	16	1.5	0.00
10/07/2022 07:00	1.1	352	15	1.4	0.00
10/07/2022 07:10	1.2	181	15	1.8	0.00
10/07/2022 07:20	1.1	186	18	1.5	0.00
10/07/2022 07:30	1.1	356	13	1.2	0.00
10/07/2022 07:40	0.8	351	12	1.1	0.00
10/07/2022 07:50	0.7	351	15	0.9	0.00
10/07/2022 08:00	0.9	357	13	1.1	0.00
10/07/2022 08:10	0.9	191	20	1.2	0.00
10/07/2022 08:20	0.9	53	16	1.7	0.00
10/07/2022 08:30	1.1	67	22	1.8	0.00
10/07/2022 08:40	1.1	57	24	1.8	0.00
10/07/2022 08:50	1.0	77	25	1.7	0.00
10/07/2022 09:00	1.0	108	26	1.9	0.00
10/07/2022 09:10	1.2	137	32	1.9	0.00
10/07/2022 09:20	1.2	136	37	1.9	0.00
10/07/2022 09:30	1.1	129	34	1.9	0.00
10/07/2022 09:40	1.2	127	31	1.9	0.00
10/07/2022 09:50	1.4	140	29	2.4	0.00
10/07/2022 10:00	1.4	136	30	2.3	0.00
10/07/2022 10:10	1.4	117	28	2.6	0.00
10/07/2022 10:20	1.3	111	29	2.4	0.00
10/07/2022 10:30	1.4	123	27	2.1	0.00
10/07/2022 10:40	1.3	122	35	2.0	0.00
10/07/2022 10:50	1.4	143	28	2.0	0.00
10/07/2022 11:00	1.3	130	31	2.0	0.00
10/07/2022 11:10	1.4	95	24	2.1	0.00
10/07/2022 11:20	1.6	129	24	2.5	0.00
10/07/2022 11:30	1.5	110	30	2.2	0.00
10/07/2022 11:40	1.6	100	30	2.8	0.00
10/07/2022 11:50	1.6	98	28	2.7	0.00
10/07/2022 12:00	1.8	91	33	3.4	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/07/2022 12:10	1.6	90	38	3.0	0.00
10/07/2022 12:20	1.8	88	28	3.2	0.00
10/07/2022 12:30	2.1	78	23	3.1	0.00
10/07/2022 12:40	1.9	65	28	3.4	0.00
10/07/2022 12:50	2.0	65	24	3.5	0.00
10/07/2022 13:00	2.2	60	24	3.5	0.00
10/07/2022 13:10	2.0	64	23	3.1	0.00
10/07/2022 13:20	2.0	75	23	3.2	0.00
10/07/2022 13:30	2.0	70	20	3.2	0.00
10/07/2022 13:40	2.1	54	24	3.4	0.00
10/07/2022 13:50	2.3	67	24	3.7	0.00
10/07/2022 14:00	2.2	58	22	3.6	0.00
10/07/2022 14:10	2.4	72	21	3.6	0.00
10/07/2022 14:20	2.2	69	26	3.4	0.00
10/07/2022 14:30	2.4	57	21	4.0	0.00
10/07/2022 14:40	2.4	56	21	4.0	0.00
10/07/2022 14:50	2.3	60	21	3.6	0.00
10/07/2022 15:00	2.1	55	25	3.6	0.00
10/07/2022 15:10	2.1	51	22	3.6	0.00
10/07/2022 15:20	2.4	49	19	3.6	0.00
10/07/2022 15:30	2.4	54	19	3.7	0.00
10/07/2022 15:40	2.5	52	18	3.8	0.00
10/07/2022 15:50	2.5	52	17	3.7	0.00
10/07/2022 16:00	2.1	58	21	3.6	0.00
10/07/2022 16:10	2.3	52	19	3.6	0.00
10/07/2022 16:20	2.4	53	19	3.6	0.00
10/07/2022 16:30	2.9	49	14	4.1	0.00
10/07/2022 16:40	2.5	49	14	3.6	0.00
10/07/2022 16:50	1.8	44	17	2.9	0.00
10/07/2022 17:00	1.7	48	17	2.6	0.00
10/07/2022 17:10	1.6	44	17	2.4	0.00
10/07/2022 17:20	1.4	46	13	1.9	0.00
10/07/2022 17:30	1.2	36	11	1.6	0.00
10/07/2022 17:40	1.1	31	18	1.7	0.00
10/07/2022 17:50	0.4	54	23	1.2	0.00
10/07/2022 18:00	0.5	250	19	0.9	0.00
10/07/2022 18:10	0.0	171	3	0.4	0.00
10/07/2022 18:20	0.2	174	5	0.8	0.00
10/07/2022 18:30	0.6	182	12	1.0	0.00
10/07/2022 18:40					0.00
10/07/2022 18:50	0.1	303	3	0.5	0.00
10/07/2022 19:00	0.3	311	5	1.1	0.00
10/07/2022 19:10	1.0	311	18	1.4	0.00
10/07/2022 19:20	1.0	181	37	1.3	0.00
10/07/2022 19:30	0.2	154	3	0.7	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/07/2022 19:40	0.2	154	8	0.7	0.00
10/07/2022 19:50	0.6	290	33	1.0	0.00
10/07/2022 20:00	0.9	275	16	1.2	0.00
10/07/2022 20:10	1.1	280	18	1.5	0.00
10/07/2022 20:20	1.5	278	19	2.0	0.00
10/07/2022 20:30	1.3	273	17	1.8	0.00
10/07/2022 20:40	1.2	268	16	1.7	0.00
10/07/2022 20:50	0.7	294	18	0.9	0.00
10/07/2022 21:00	1.1	265	15	1.6	0.00
10/07/2022 21:10	1.0	261	12	1.3	0.00
10/07/2022 21:20	0.7	275	19	1.1	0.00
10/07/2022 21:30	0.8	305	15	1.1	0.00
10/07/2022 21:40	0.9	259	16	1.5	0.00
10/07/2022 21:50	1.0	280	20	1.5	0.00
10/07/2022 22:00	0.7	287	22	1.1	0.00
10/07/2022 22:10	1.2	263	11	1.6	0.00
10/07/2022 22:20	0.7	290	12	1.1	0.00
10/07/2022 22:30	0.9	318	10	1.1	0.00
10/07/2022 22:40	0.9	303	17	1.1	0.00
10/07/2022 22:50	0.6	341	58	0.9	0.00
10/07/2022 23:00	0.3	342	10	0.6	0.00
10/07/2022 23:10	0.5	140	23	0.9	0.00
10/07/2022 23:20	0.9	249	19	1.4	0.00
10/07/2022 23:30	1.2	242	13	1.8	0.00
10/07/2022 23:40	1.9	266	14	2.6	0.00
10/07/2022 23:50	1.5	271	19	2.3	0.00
11/07/2022 00:00	0.9	275	33	1.9	0.00
11/07/2022 00:10	1.6	272	15	2.4	0.00
11/07/2022 00:20	1.4	280	20	2.0	0.00
11/07/2022 00:30	1.4	285	21	2.0	0.00
11/07/2022 00:40	1.3	286	17	1.7	0.00
11/07/2022 00:50	1.2	284	20	1.6	0.00
11/07/2022 01:00	0.6	169	48	1.1	0.00
11/07/2022 01:10	0.2	170	9	0.7	0.00
11/07/2022 01:20	0.4	169	13	0.8	0.00
11/07/2022 01:30	0.3	345	8	0.6	0.00
11/07/2022 01:40	0.5	36	36	0.8	0.00
11/07/2022 01:50	0.6	349	13	1.1	0.00
11/07/2022 02:00	1.1	343	6	1.2	0.00
11/07/2022 02:10	0.9	344	10	1.2	0.00
11/07/2022 02:20	1.2	339	8	1.4	0.00
11/07/2022 02:30	1.2	344	9	1.6	0.00
11/07/2022 02:40	1.1	348	12	1.4	0.00
11/07/2022 02:50	1.2	345	10	1.6	0.00
11/07/2022 03:00	1.3	342	10	1.6	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/07/2022 03:10	1.2	347	11	1.6	0.00
11/07/2022 03:20	1.2	343	10	1.5	0.00
11/07/2022 03:30	1.5	339	6	1.7	0.00
11/07/2022 03:40	1.5	337	9	1.7	0.00
11/07/2022 03:50	1.4	337	10	1.6	0.00
11/07/2022 04:00	1.3	339	9	1.5	0.00
11/07/2022 04:10	1.2	340	11	1.6	0.00
11/07/2022 04:20	1.2	343	10	1.5	0.00
11/07/2022 04:30	1.3	340	9	1.6	0.00
11/07/2022 04:40	1.3	340	8	1.6	0.00
11/07/2022 04:50	1.1	343	10	1.5	0.00
11/07/2022 05:00	1.3	342	8	1.7	0.00
11/07/2022 05:10	1.4	342	10	1.6	0.00
11/07/2022 05:20	1.2	347	14	1.6	0.00
11/07/2022 05:30	1.2	349	9	1.6	0.00
11/07/2022 05:40	1.4	346	11	1.6	0.00
11/07/2022 05:50	1.1	354	16	1.4	0.00
11/07/2022 06:00	1.1	7	18	1.6	0.00
11/07/2022 06:10	1.1	191	16	1.5	0.00
11/07/2022 06:20	1.0	13	13	1.3	0.00
11/07/2022 06:30	0.3	178	6	0.7	0.00
11/07/2022 06:40	0.8	357	10	1.2	0.00
11/07/2022 06:50	0.9	22	13	1.6	0.00
11/07/2022 07:00	1.2	38	17	1.8	0.00
11/07/2022 07:10	1.1	51	17	2.2	0.00
11/07/2022 07:20	1.1	35	15	1.6	0.00
11/07/2022 07:30	0.9	29	13	1.4	0.00
11/07/2022 07:40					0.00
11/07/2022 07:50					0.00
11/07/2022 08:00					0.00
11/07/2022 08:10					0.00
11/07/2022 08:20	0.7	86	22	1.2	0.00
11/07/2022 08:30	0.2	81	14	1.2	0.00
11/07/2022 08:40	0.9	102	32	1.7	0.00
11/07/2022 08:50	1.0	132	27	1.7	0.00
11/07/2022 09:00	1.3	97	25	2.0	0.00
11/07/2022 09:10	1.3	111	30	1.9	0.00
11/07/2022 09:20	1.4	122	30	2.4	0.00
11/07/2022 09:30	1.5	120	28	2.8	0.00
11/07/2022 09:40	1.5	105	26	2.6	0.00
11/07/2022 09:50	1.3	97	24	2.2	0.00
11/07/2022 10:00	1.4	100	33	2.4	0.00
11/07/2022 10:10	1.4	104	28	2.8	0.00
11/07/2022 10:20	1.4	96	31	2.6	0.00
11/07/2022 10:30	1.5	92	27	2.4	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/07/2022 10:40	1.6	95	26	2.7	0.00
11/07/2022 10:50	1.5	106	33	2.6	0.00
11/07/2022 11:00	1.8	94	26	2.9	0.00
11/07/2022 11:10	2.0	90	29	3.2	0.00
11/07/2022 11:20	2.5	78	25	4.0	0.00
11/07/2022 11:30	2.3	79	24	4.0	0.00
11/07/2022 11:40	2.5	74	19	3.7	0.00
11/07/2022 11:50	2.4	73	25	4.2	0.00
11/07/2022 12:00	2.4	68	24	3.6	0.00
11/07/2022 12:10	2.7	73	20	4.5	0.00
11/07/2022 12:20	2.6	64	23	4.1	0.00
11/07/2022 12:30	2.9	81	21	4.1	0.00
11/07/2022 12:40	2.7	88	23	4.8	0.00
11/07/2022 12:50	2.7	88	25	4.1	0.00
11/07/2022 13:00	2.5	79	25	3.9	0.00
11/07/2022 13:10	2.3	76	27	3.6	0.00
11/07/2022 13:20	2.5	68	24	4.0	0.00
11/07/2022 13:30	2.7	72	23	4.8	0.00
11/07/2022 13:40	2.9	83	22	4.8	0.00
11/07/2022 13:50	2.8	92	25	4.1	0.00
11/07/2022 14:00	2.9	92	24	4.6	0.00
11/07/2022 14:10	2.7	90	21	4.4	0.00
11/07/2022 14:20	2.3	81	26	3.6	0.00
11/07/2022 14:30	2.3	64	24	3.6	0.00
11/07/2022 14:40	2.4	57	24	4.3	0.00
11/07/2022 14:50	2.6	64	20	4.0	0.00
11/07/2022 15:00	2.6	63	22	4.0	0.00
11/07/2022 15:10	2.3	60	23	4.1	0.00
11/07/2022 15:20	2.6	54	23	4.2	0.00
11/07/2022 15:30	2.3	55	22	3.4	0.00
11/07/2022 15:40	2.7	49	20	4.0	0.00
11/07/2022 15:50	2.4	57	22	4.4	0.00
11/07/2022 16:00	2.4	54	19	3.8	0.00
11/07/2022 16:10	2.4	49	19	3.6	0.00
11/07/2022 16:20	2.6	50	16	4.1	0.00
11/07/2022 16:30	2.1	48	17	3.0	0.00
11/07/2022 16:40	2.3	49	19	3.3	0.00
11/07/2022 16:50	2.1	49	14	3.0	0.00
11/07/2022 17:00	1.7	47	16	2.8	0.00
11/07/2022 17:10	1.5	44	20	2.4	0.00
11/07/2022 17:20	1.7	39	18	2.4	0.00
11/07/2022 17:30	1.5	37	18	2.4	0.00
11/07/2022 17:40	1.4	37	19	2.1	0.00
11/07/2022 17:50	1.4	29	18	2.1	0.00
11/07/2022 18:00	1.2	32	19	1.8	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/07/2022 18:10	1.1	27	17	1.7	0.00
11/07/2022 18:20	1.1	23	16	1.6	0.00
11/07/2022 18:30	1.0	23	18	1.3	0.00
11/07/2022 18:40	1.0	20	13	1.4	0.00
11/07/2022 18:50	0.8	23	22	1.2	0.00
11/07/2022 19:00	0.1	241	16	0.5	0.00
11/07/2022 19:10	0.2	20	7	0.5	0.00
11/07/2022 19:20	0.3	10	5	0.8	0.00
11/07/2022 19:30	0.7	180	14	1.0	0.00
11/07/2022 19:40	0.6	356	23	0.9	0.00
11/07/2022 19:50	0.7	36	23	1.1	0.00
11/07/2022 20:00	0.4	39	22	0.8	0.00
11/07/2022 20:10	0.5	32	14	0.8	0.00
11/07/2022 20:20	0.8	350	14	1.1	0.00
11/07/2022 20:30	0.5	18	16	0.8	0.00
11/07/2022 20:40	0.7	355	12	0.9	0.00
11/07/2022 20:50	0.7	353	12	1.0	0.00
11/07/2022 21:00	0.7	351	11	1.0	0.00
11/07/2022 21:10	0.8	354	11	0.9	0.00
11/07/2022 21:20	0.9	348	12	1.2	0.00
11/07/2022 21:30	1.0	346	11	1.4	0.00
11/07/2022 21:40	0.3	78	35	0.8	0.00
11/07/2022 21:50	0.5	184	10	1.0	0.00
11/07/2022 22:00	0.8	354	14	1.1	0.00
11/07/2022 22:10	0.5	186	13	0.8	0.00
11/07/2022 22:20	0.8	347	10	1.1	0.00
11/07/2022 22:30	0.9	345	9	1.1	0.00
11/07/2022 22:40	1.0	348	12	1.3	0.00
11/07/2022 22:50	0.9	347	6	1.2	0.00
11/07/2022 23:00	1.1	347	12	1.3	0.00
11/07/2022 23:10	1.1	353	16	1.4	0.00
11/07/2022 23:20	1.2	346	11	1.6	0.00
11/07/2022 23:30	1.2	350	14	1.8	0.00
11/07/2022 23:40	1.2	350	17	1.6	0.00
11/07/2022 23:50	1.2	348	17	1.6	0.00
12/07/2022 00:00	1.2	346	14	1.5	0.00
12/07/2022 00:10	1.1	351	16	1.4	0.00
12/07/2022 00:20	1.1	354	15	1.4	0.00
12/07/2022 00:30	1.2	354	19	1.8	0.00
12/07/2022 00:40	1.2	171	21	1.6	0.00
12/07/2022 00:50	1.2	349	12	1.5	0.00
12/07/2022 01:00	1.2	358	15	1.5	0.00
12/07/2022 01:10	1.2	352	15	1.6	0.00
12/07/2022 01:20	1.1	349	13	1.5	0.00
12/07/2022 01:30	1.0	341	9	1.2	0.00





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/07/2022 01:40	0.9	347	11	1.2	0.00
12/07/2022 01:50	0.9	348	13	1.2	0.00
12/07/2022 02:00	0.6	31	21	0.8	0.00
12/07/2022 02:10	0.8	18	21	1.0	0.00
12/07/2022 02:20	0.8	16	17	1.0	0.00
12/07/2022 02:30	0.8	10	18	1.0	0.00
12/07/2022 02:40	0.7	25	28	1.0	0.00
12/07/2022 02:50	0.9	10	25	1.4	0.00
12/07/2022 03:00	0.5	188	69	1.4	0.00
12/07/2022 03:10	0.7	273	84	1.8	0.00
12/07/2022 03:20	0.9	36	40	1.2	0.00
12/07/2022 03:30	1.2	355	13	1.6	0.00
12/07/2022 03:40	1.1	357	17	1.4	0.00
12/07/2022 03:50	0.9	8	15	1.2	0.00
12/07/2022 04:00	1.2	177	15	1.5	0.00
12/07/2022 04:10	1.1	20	15	1.3	0.00
12/07/2022 04:20	1.1	181	14	1.5	0.00
12/07/2022 04:30	1.0	351	13	1.2	0.00
12/07/2022 04:40	1.0	349	12	1.2	0.00
12/07/2022 04:50	1.2	354	15	1.4	0.00
12/07/2022 05:00	1.2	346	11	1.5	0.00
12/07/2022 05:10	1.2	341	10	1.5	0.00
12/07/2022 05:20	1.1	346	15	1.6	0.00
12/07/2022 05:30	1.0	349	8	1.3	0.00
12/07/2022 05:40	1.0	350	13	1.3	0.00
12/07/2022 05:50	1.1	176	15	1.4	0.00
12/07/2022 06:00	1.0	5	12	1.2	0.00
12/07/2022 06:10	1.0	9	12	1.2	0.00
12/07/2022 06:20	0.9	13	12	1.2	0.00
12/07/2022 06:30	0.8	12	13	0.9	0.00
12/07/2022 06:40	0.4	15	30	0.8	0.00
12/07/2022 06:50	0.5	35	29	0.9	0.00
12/07/2022 07:00	0.6	37	27	1.0	0.00
12/07/2022 07:10	0.7	60	44	1.2	0.00
12/07/2022 07:20	1.0	81	28	1.6	0.00
12/07/2022 07:30	1.4	87	22	2.3	0.00
12/07/2022 07:40	1.1	89	12	2.5	0.00
12/07/2022 07:50	0.5	88	4	2.8	0.00
12/07/2022 08:00	1.8	92	20	2.9	0.00
12/07/2022 08:10	1.6	96	28	2.6	0.00
12/07/2022 08:20	1.4	92	23	2.8	0.00
12/07/2022 08:30	0.9	90	15	2.8	0.00
12/07/2022 08:40	1.9	89	18	3.6	0.00
12/07/2022 08:50	2.7	89	26	4.7	0.00
12/07/2022 09:00	2.5	88	20	3.7	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/07/2022 09:10	2.3	79	23	3.6	0.00
12/07/2022 09:20	2.4	73	21	3.6	0.00
12/07/2022 09:30	2.4	69	22	3.7	0.00
12/07/2022 09:40	2.1	76	23	3.3	0.00
12/07/2022 09:50	2.4	87	26	3.6	0.00
12/07/2022 10:00	2.9	92	20	4.3	0.00
12/07/2022 10:10	2.8	82	21	4.2	0.00
12/07/2022 10:20	2.6	84	25	4.1	0.00
12/07/2022 10:30	2.9	94	25	4.3	0.00
12/07/2022 10:40	3.1	95	26	4.5	0.00
12/07/2022 10:50	3.0	97	33	4.7	0.00
12/07/2022 11:00	2.8	91	30	4.4	0.00
12/07/2022 11:10	2.8	79	21	4.4	0.00
12/07/2022 11:20	2.9	74	19	4.8	0.00
12/07/2022 11:30	3.2	86	20	5.1	0.00
12/07/2022 11:40	2.9	70	24	4.9	0.00
12/07/2022 11:50	3.0	57	22	4.9	0.00
12/07/2022 12:00	3.1	66	24	4.8	0.00
12/07/2022 12:10	3.1	60	21	5.1	0.00
12/07/2022 12:20	3.2	51	21	5.5	0.00
12/07/2022 12:30	3.0	62	23	5.2	0.00
12/07/2022 12:40	3.1	57	20	5.3	0.00
12/07/2022 12:50	3.0	56	21	4.8	0.00
12/07/2022 13:00	3.2	58	24	5.4	0.00
12/07/2022 13:10	3.2	59	21	5.2	0.00
12/07/2022 13:20	2.9	65	19	4.7	0.00
12/07/2022 13:30	2.6	58	23	4.4	0.00
12/07/2022 13:40	2.8	62	22	4.4	0.00
12/07/2022 13:50	2.7	62	22	4.4	0.00
12/07/2022 14:00	2.6	59	21	4.3	0.00
12/07/2022 14:10	2.7	66	23	4.4	0.00
12/07/2022 14:20	2.6	65	22	4.1	0.00
12/07/2022 14:30	2.6	60	22	4.0	0.00
12/07/2022 14:40	2.6	62	22	4.3	0.00
12/07/2022 14:50	2.8	59	23	4.4	0.00
12/07/2022 15:00	2.6	60	23	4.1	0.00
12/07/2022 15:10	2.6	68	25	3.9	0.00
12/07/2022 15:20	2.5	66	23	4.8	0.00
12/07/2022 15:30	2.6	66	21	4.3	0.00
12/07/2022 15:40	2.8	50	21	4.4	0.00
12/07/2022 15:50	2.8	49	21	4.6	0.00
12/07/2022 16:00	3.4	48	17	5.2	0.00
12/07/2022 16:10	2.7	56	20	4.1	0.00
12/07/2022 16:20	0.0	45	5	0.8	0.00
12/07/2022 16:30					0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/07/2022 16:40	2.0	44	20	3.5	0.00
12/07/2022 16:50	2.6	44	21	4.0	0.00
12/07/2022 17:00	2.7	43	21	4.8	0.00
12/07/2022 17:10	2.5	44	18	4.2	0.00
12/07/2022 17:20	2.3	45	19	3.6	0.00
12/07/2022 17:30	1.9	42	20	2.8	0.00
12/07/2022 17:40	2.0	40	21	3.3	0.00
12/07/2022 17:50	2.0	41	19	2.8	0.00
12/07/2022 18:00	1.8	42	17	2.7	0.00
12/07/2022 18:10	1.6	36	17	2.4	0.00
12/07/2022 18:20	1.5	32	18	2.4	0.00
12/07/2022 18:30	1.4	31	17	2.1	0.00
12/07/2022 18:40	1.4	26	17	2.0	0.00
12/07/2022 18:50	1.2	24	14	1.6	0.00
12/07/2022 19:00	0.9	24	15	1.3	0.00
12/07/2022 19:10	0.4	223	24	0.8	0.00
12/07/2022 19:20	0.5	254	13	0.6	0.00
12/07/2022 19:30	0.7	328	26	1.1	0.00
12/07/2022 19:40	0.8	347	11	1.2	0.00
12/07/2022 19:50	0.5	352	9	0.8	0.00
12/07/2022 20:00	0.6	353	12	0.8	0.00
12/07/2022 20:10	0.9	344	11	1.2	0.00
12/07/2022 20:20	0.8	179	12	0.9	0.00
12/07/2022 20:30	0.6	356	13	0.9	0.00
12/07/2022 20:40	0.6	183	8	0.9	0.00
12/07/2022 20:50	0.6	176	13	0.8	0.00
12/07/2022 21:00	0.8	358	11	1.1	0.00
12/07/2022 21:10	0.9	348	11	1.2	0.00
12/07/2022 21:20	0.9	6	12	1.1	0.00
12/07/2022 21:30	0.7	2	13	0.9	0.00
12/07/2022 21:40	0.7	180	13	1.0	0.00
12/07/2022 21:50	0.8	356	12	1.1	0.00
12/07/2022 22:00	0.9	348	10	1.1	0.00
12/07/2022 22:10	1.0	177	15	1.2	0.00
12/07/2022 22:20	1.0	354	14	1.2	0.00
12/07/2022 22:30	1.0	7	13	1.2	0.00
12/07/2022 22:40	1.0	12	13	1.1	0.00
12/07/2022 22:50	0.9	11	14	1.2	0.00
12/07/2022 23:00	1.0	354	13	1.2	0.00
12/07/2022 23:10	1.0	178	10	1.2	0.00
12/07/2022 23:20	1.1	356	13	1.3	0.00
12/07/2022 23:30	1.0	180	12	1.2	0.00
12/07/2022 23:40	1.0	178	13	1.2	0.00
12/07/2022 23:50	1.0	7	14	1.2	0.00
13/07/2022 00:00	0.9	1	14	1.2	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/07/2022 00:10	0.9	359	14	1.2	0.00
13/07/2022 00:20	1.0	10	14	1.2	0.00
13/07/2022 00:30	0.8	9	17	1.2	0.00
13/07/2022 00:40	1.0	354	15	1.4	0.00
13/07/2022 00:50	1.0	356	15	1.3	0.00
13/07/2022 01:00	1.0	6	18	1.3	0.00
13/07/2022 01:10	1.0	355	16	1.3	0.00
13/07/2022 01:20	1.0	353	14	1.4	0.00
13/07/2022 01:30	1.2	351	12	1.5	0.00
13/07/2022 01:40	1.1	357	15	1.4	0.00
13/07/2022 01:50	1.1	180	15	1.6	0.00
13/07/2022 02:00	1.1	3	13	1.4	0.00
13/07/2022 02:10	1.1	12	11	1.4	0.00
13/07/2022 02:20	1.1	6	18	1.6	0.00
13/07/2022 02:30	1.0	185	18	1.3	0.00
13/07/2022 02:40	0.7	8	18	1.1	0.00
13/07/2022 02:50	0.8	17	30	1.3	0.00
13/07/2022 03:00	0.8	39	16	1.3	0.00
13/07/2022 03:10	0.7	36	17	1.2	0.00
13/07/2022 03:20	0.7	21	24	1.2	0.00
13/07/2022 03:30	0.5	50	17	1.0	0.00
13/07/2022 03:40	0.7	36	24	1.2	0.00
13/07/2022 03:50	0.7	35	31	1.2	0.00
13/07/2022 04:00	0.7	12	18	1.1	0.00
13/07/2022 04:10	1.0	12	18	1.3	0.00
13/07/2022 04:20	0.8	20	19	1.2	0.00
13/07/2022 04:30	1.1	21	17	1.6	0.00
13/07/2022 04:40	0.9	19	19	1.2	0.00
13/07/2022 04:50	0.9	21	19	1.2	0.00
13/07/2022 05:00	1.0	17	12	1.5	0.00
13/07/2022 05:10	0.5	14	28	0.8	0.00
13/07/2022 05:20	0.4	16	22	0.8	0.00
13/07/2022 05:30	0.7	25	20	1.2	0.00
13/07/2022 05:40	0.8	22	15	1.2	0.00
13/07/2022 05:50	0.7	21	19	1.0	0.00
13/07/2022 06:00	0.8	20	14	1.0	0.00
13/07/2022 06:10	0.8	17	16	1.2	0.00
13/07/2022 06:20	0.7	18	20	1.0	0.00
13/07/2022 06:30	0.9	22	14	1.2	0.00
13/07/2022 06:40	0.8	31	17	1.2	0.00
13/07/2022 06:50	0.7	22	26	1.2	0.00
13/07/2022 07:00	0.4	9	26	0.8	0.00
13/07/2022 07:10	0.5	1	55	0.9	0.00
13/07/2022 07:20	0.6	204	72	0.9	0.00
13/07/2022 07:30	0.6	341	12	0.8	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/07/2022 07:40	0.1	324	2	0.4	0.00
13/07/2022 07:50	0.3	186	13	1.2	0.00
13/07/2022 08:00	0.7	169	28	1.2	0.00
13/07/2022 08:10	1.0	145	26	1.6	0.00
13/07/2022 08:20	0.9	142	27	1.2	0.00
13/07/2022 08:30	1.0	127	37	1.6	0.00
13/07/2022 08:40	1.1	111	27	1.8	0.00
13/07/2022 08:50	1.3	101	30	2.2	0.00
13/07/2022 09:00	1.4	99	30	2.3	0.00
13/07/2022 09:10	1.7	101	27	3.0	0.00
13/07/2022 09:20	1.8	106	32	2.9	0.00
13/07/2022 09:30	2.2	102	27	4.0	0.00
13/07/2022 09:40	2.2	98	24	3.7	0.00
13/07/2022 09:50	2.4	82	26	4.2	0.00
13/07/2022 10:00	2.8	81	24	4.3	0.00
13/07/2022 10:10	2.8	80	22	4.4	0.00
13/07/2022 10:20	2.6	81	27	4.8	0.00
13/07/2022 10:30	2.5	86	27	4.3	0.00
13/07/2022 10:40	2.9	82	21	4.7	0.00
13/07/2022 10:50	3.1	81	22	5.1	0.00
13/07/2022 11:00	2.7	87	29	4.2	0.00
13/07/2022 11:10	3.1	92	25	5.2	0.00
13/07/2022 11:20	2.9	82	22	4.4	0.00
13/07/2022 11:30	2.8	82	25	4.9	0.00
13/07/2022 11:40	3.0	73	23	5.4	0.00
13/07/2022 11:50	3.4	74	22	5.6	0.00
13/07/2022 12:00	3.6	82	22	5.4	0.00
13/07/2022 12:10	3.6	75	23	5.6	0.00
13/07/2022 12:20	3.6	74	23	5.9	0.00
13/07/2022 12:30	3.6	74	20	5.6	0.00
13/07/2022 12:40	3.7	79	23	5.6	0.00
13/07/2022 12:50	3.4	82	21	5.7	0.00
13/07/2022 13:00	3.1	71	21	5.2	0.00
13/07/2022 13:10	2.8	68	23	4.9	0.00
13/07/2022 13:20	3.2	61	25	4.9	0.00
13/07/2022 13:30	3.1	63	22	5.2	0.00
13/07/2022 13:40	3.3	58	20	5.7	0.00
13/07/2022 13:50	3.1	56	21	5.4	0.00
13/07/2022 14:00	3.2	58	20	5.2	0.00
13/07/2022 14:10	2.9	61	20	5.0	0.00
13/07/2022 14:20	3.3	67	23	5.3	0.00
13/07/2022 14:30	3.3	67	23	5.6	0.00
13/07/2022 14:40	3.5	68	21	5.9	0.00
13/07/2022 14:50	3.9	58	21	6.0	0.00
13/07/2022 15:00	3.7	50	18	6.4	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/07/2022 15:10	3.8	56	22	6.8	0.00
13/07/2022 15:20	3.2	53	21	5.2	0.00
13/07/2022 15:30	4.0	47	19	5.9	0.00
13/07/2022 15:40	4.0	50	21	6.7	0.00
13/07/2022 15:50	3.4	47	20	5.5	0.00
13/07/2022 16:00	3.3	43	18	5.2	0.00
13/07/2022 16:10	3.2	48	23	5.2	0.00
13/07/2022 16:20	3.6	49	17	5.8	0.00
13/07/2022 16:30	2.9	44	21	5.4	0.00
13/07/2022 16:40	3.2	47	20	5.0	0.00
13/07/2022 16:50	3.3	48	18	5.2	0.00
13/07/2022 17:00	2.8	41	24	4.6	0.00
13/07/2022 17:10	2.7	43	20	4.4	0.00
13/07/2022 17:20	2.6	46	18	4.3	0.00
13/07/2022 17:30	2.3	44	19	3.9	0.00
13/07/2022 17:40	2.4	44	19	3.4	0.00
13/07/2022 17:50	2.0	40	21	3.9	0.00
13/07/2022 18:00	1.9	47	16	2.9	0.00
13/07/2022 18:10	1.8	45	20	3.6	0.00
13/07/2022 18:20	1.6	40	18	2.6	0.00
13/07/2022 18:30	1.5	43	17	2.8	0.00
13/07/2022 18:40	1.5	43	15	2.4	0.00
13/07/2022 18:50	1.4	39	19	2.0	0.00
13/07/2022 19:00	1.4	39	20	2.4	0.00
13/07/2022 19:10	1.1	40	21	1.8	0.00
13/07/2022 19:20	0.9	54	12	1.2	0.00
13/07/2022 19:30	0.6	40	9	0.8	0.00
13/07/2022 19:40	0.4	30	8	0.7	0.00
13/07/2022 19:50	0.1	193	5	0.4	0.00
13/07/2022 20:00	0.7	352	18	0.9	0.00
13/07/2022 20:10	0.7	12	15	1.0	0.00
13/07/2022 20:20	0.6	6	13	0.8	0.00
13/07/2022 20:30	0.7	7	13	0.8	0.00
13/07/2022 20:40	0.8	14	12	1.1	0.00
13/07/2022 20:50	0.7	10	15	0.9	0.00
13/07/2022 21:00	0.8	16	12	1.0	0.00
13/07/2022 21:10	0.9	9	12	1.2	0.00
13/07/2022 21:20	0.8	354	17	1.2	0.00
13/07/2022 21:30	0.9	349	14	1.2	0.00
13/07/2022 21:40	0.8	348	12	1.1	0.00
13/07/2022 21:50	0.9	350	13	1.2	0.00
13/07/2022 22:00	0.7	351	15	1.0	0.00
13/07/2022 22:10	0.0	358	1	0.4	0.00
13/07/2022 22:20	0.4	327	7	0.8	0.00
13/07/2022 22:30	1.1	350	7	1.2	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/07/2022 22:40	1.1	347	11	1.4	0.00
13/07/2022 22:50	1.0	352	14	1.5	0.00
13/07/2022 23:00	1.1	340	14	1.4	0.00
13/07/2022 23:10	1.1	342	17	1.6	0.00
13/07/2022 23:20	0.7	348	17	1.0	0.00
13/07/2022 23:30	0.4	293	12	1.1	0.00
13/07/2022 23:40	0.9	352	14	1.2	0.00
13/07/2022 23:50	1.1	343	10	1.3	0.00
14/07/2022 00:00	1.1	346	12	1.4	0.00
14/07/2022 00:10	0.8	18	14	1.1	0.00
14/07/2022 00:20	0.6	320	33	0.9	0.00
14/07/2022 00:30	0.6	191	26	0.9	0.00
14/07/2022 00:40	0.8	346	9	1.0	0.00
14/07/2022 00:50	0.7	320	22	1.1	0.00
14/07/2022 01:00	0.8	332	21	1.2	0.00
14/07/2022 01:10	1.1	344	8	1.5	0.00
14/07/2022 01:20	1.2	342	7	1.5	0.00
14/07/2022 01:30	0.6	349	12	1.1	0.00
14/07/2022 01:40	0.9	343	11	1.2	0.00
14/07/2022 01:50	1.1	341	12	1.4	0.00
14/07/2022 02:00	1.0	186	16	1.3	0.00
14/07/2022 02:10	1.0	25	14	1.4	0.00
14/07/2022 02:20	1.0	26	14	1.4	0.00
14/07/2022 02:30	1.3	18	12	1.6	0.00
14/07/2022 02:40	1.1	183	12	1.4	0.00
14/07/2022 02:50	0.9	183	17	1.2	0.00
14/07/2022 03:00	0.8	185	17	1.1	0.00
14/07/2022 03:10	0.7	11	16	1.1	0.00
14/07/2022 03:20	0.9	24	16	1.2	0.00
14/07/2022 03:30	0.9	17	17	1.3	0.00
14/07/2022 03:40	0.9	35	16	1.4	0.00
14/07/2022 03:50	1.0	29	17	1.6	0.00
14/07/2022 04:00	1.0	27	17	1.5	0.00
14/07/2022 04:10	0.9	29	22	1.4	0.00
14/07/2022 04:20	1.0	45	20	1.9	0.00
14/07/2022 04:30	1.1	18	19	1.4	0.00
14/07/2022 04:40	1.1	16	30	1.6	0.00
14/07/2022 04:50	1.0	27	25	1.6	0.00
14/07/2022 05:00	0.9	15	27	1.3	0.00
14/07/2022 05:10	1.0	10	22	1.7	0.00
14/07/2022 05:20	1.0	9	27	1.6	0.00
14/07/2022 05:30	0.8	185	17	1.1	0.00
14/07/2022 05:40	0.6	9	11	0.9	0.00
14/07/2022 05:50	1.1	344	9	1.5	0.00
14/07/2022 06:00	0.9	357	19	1.3	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/07/2022 06:10	0.6	14	14	1.0	0.00
14/07/2022 06:20	0.5	42	37	0.9	0.00
14/07/2022 06:30	0.2	75	15	0.6	0.00
14/07/2022 06:40	0.8	25	18	1.4	0.00
14/07/2022 06:50	0.8	32	25	1.3	0.00
14/07/2022 07:00	0.8	35	23	1.2	0.00
14/07/2022 07:10	1.2	69	26	2.4	0.00
14/07/2022 07:20	1.0	110	41	2.0	0.00
14/07/2022 07:30	0.8	51	47	1.9	0.00
14/07/2022 07:40	0.8	86	50	1.6	0.00
14/07/2022 07:50	1.0	93	46	2.4	0.00
14/07/2022 08:00	0.6	99	42	1.3	0.00
14/07/2022 08:10	0.6	65	32	1.2	0.00
14/07/2022 08:20	1.0	83	59	2.0	0.00
14/07/2022 08:30	1.4	93	76	3.5	0.00
14/07/2022 08:40	1.0	126	76	1.6	0.00
14/07/2022 08:50	0.7	127	38	1.5	0.00
14/07/2022 09:00	1.1	106	34	1.8	0.00
14/07/2022 09:10	1.2	111	35	1.9	0.00
14/07/2022 09:20	1.3	123	31	2.1	0.00
14/07/2022 09:30	1.0	139	35	2.2	0.00
14/07/2022 09:40	1.4	124	29	2.4	0.00
14/07/2022 09:50	1.1	122	35	2.0	0.00
14/07/2022 10:00	1.7	110	33	3.2	0.00
14/07/2022 10:10	2.3	70	20	3.7	0.00
14/07/2022 10:20	2.4	83	23	3.5	0.00
14/07/2022 10:30	2.3	72	24	4.0	0.00
14/07/2022 10:40	1.9	72	31	3.3	0.00
14/07/2022 10:50	1.8	80	35	3.2	0.00
14/07/2022 11:00	1.9	81	41	3.9	0.00
14/07/2022 11:10	2.0	83	39	4.3	0.00
14/07/2022 11:20	2.1	69	37	3.7	0.00
14/07/2022 11:30	2.5	63	20	4.0	0.00
14/07/2022 11:40	2.1	67	30	3.6	0.00
14/07/2022 11:50	2.2	54	25	4.0	0.00
14/07/2022 12:00	2.5	53	21	3.9	0.00
14/07/2022 12:10	2.3	50	24	4.3	0.00
14/07/2022 12:20	2.3	62	29	3.6	0.00
14/07/2022 12:30	2.7	45	24	4.4	0.00
14/07/2022 12:40	2.6	66	26	4.4	0.00
14/07/2022 12:50	2.6	72	22	4.1	0.00
14/07/2022 13:00	2.5	66	22	4.4	0.00
14/07/2022 13:10	2.5	79	23	4.0	0.00
14/07/2022 13:20	2.5	74	25	4.1	0.00
14/07/2022 13:30	2.6	66	24	4.3	0.00





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/07/2022 13:40	2.8	61	23	4.6	0.00
14/07/2022 13:50	2.5	61	22	4.3	0.00
14/07/2022 14:00	2.6	59	23	4.1	0.00
14/07/2022 14:10	2.5	68	22	4.2	0.00
14/07/2022 14:20	2.6	63	24	4.0	0.00
14/07/2022 14:30	2.3	61	23	3.6	0.00
14/07/2022 14:40	2.2	67	22	3.8	0.00
14/07/2022 14:50	2.4	65	26	4.6	0.00
14/07/2022 15:00	2.6	67	21	4.0	0.00
14/07/2022 15:10	2.3	76	21	3.5	0.00
14/07/2022 15:20	2.2	61	23	3.6	0.00
14/07/2022 15:30	2.3	57	22	3.8	0.00
14/07/2022 15:40	2.1	53	23	3.5	0.00
14/07/2022 15:50	2.2	69	21	3.3	0.00
14/07/2022 16:00	2.1	64	24	3.2	0.00
14/07/2022 16:10	1.9	63	24	2.7	0.00
14/07/2022 16:20	1.9	65	22	3.0	0.00
14/07/2022 16:30	1.7	63	25	2.8	0.00
14/07/2022 16:40	1.9	52	18	3.0	0.00
14/07/2022 16:50	2.5	52	17	3.6	0.00
14/07/2022 17:00	2.0	52	15	2.7	0.00
14/07/2022 17:10	1.5	48	17	2.1	0.00
14/07/2022 17:20	1.4	46	15	1.8	0.00
14/07/2022 17:30	1.2	50	13	1.5	0.00
14/07/2022 17:40	0.9	58	12	1.2	0.00
14/07/2022 17:50	0.4	79	19	0.7	0.00
14/07/2022 18:00	0.5	126	29	0.8	0.00
14/07/2022 18:10	0.8	32	13	1.2	0.00
14/07/2022 18:20	1.1	31	13	1.6	0.00
14/07/2022 18:30	0.8	38	21	1.2	0.00
14/07/2022 18:40	0.7	48	15	1.1	0.00
14/07/2022 18:50	0.6	221	23	1.0	0.00
14/07/2022 19:00	0.2	284	31	0.7	0.00
14/07/2022 19:10	0.4	37	10	0.6	0.00
14/07/2022 19:20	0.2	121	5	0.6	0.00
14/07/2022 19:30	0.2	209	6	0.8	0.00
14/07/2022 19:40	0.3	221	7	0.7	0.00
14/07/2022 19:50	0.2	247	7	0.6	0.00
14/07/2022 20:00	0.3	46	20	0.8	0.00
14/07/2022 20:10	0.3	8	8	0.6	0.00
14/07/2022 20:20	0.6	175	13	0.8	0.00
14/07/2022 20:30	0.9	16	16	1.2	0.00
14/07/2022 20:40	0.5	9	22	1.0	0.00
14/07/2022 20:50	0.9	9	16	1.2	0.00
14/07/2022 21:00	0.3	71	15	0.8	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/07/2022 21:10	0.6	24	8	1.1	0.00
14/07/2022 21:20	0.8	21	12	1.2	0.00
14/07/2022 21:30	0.7	23	9	1.0	0.00
14/07/2022 21:40	1.0	24	12	1.3	0.00
14/07/2022 21:50	0.8	35	15	1.2	0.00
14/07/2022 22:00	0.6	29	12	1.1	0.00
14/07/2022 22:10	0.4	18	6	0.6	0.00
14/07/2022 22:20	0.5	179	12	0.9	0.00
14/07/2022 22:30	0.7	350	14	1.0	0.00
14/07/2022 22:40	0.9	342	14	1.1	0.00
14/07/2022 22:50	0.9	184	12	1.2	0.00
14/07/2022 23:00	0.9	14	13	1.2	0.00
14/07/2022 23:10	0.7	352	21	1.3	0.00
14/07/2022 23:20	0.7	6	19	1.2	0.00
14/07/2022 23:30	0.9	8	14	1.2	0.00
14/07/2022 23:40	0.3	235	42	0.7	0.00
14/07/2022 23:50	0.1	347	1	0.4	0.00
15/07/2022 00:00	0.3	347	5	0.7	0.00
15/07/2022 00:10	0.7	349	10	1.0	0.00
15/07/2022 00:20	0.8	351	11	1.0	0.00
15/07/2022 00:30	0.9	8	13	1.1	0.00
15/07/2022 00:40	0.8	22	13	1.0	0.00
15/07/2022 00:50	0.7	186	13	0.8	0.00
15/07/2022 01:00	0.8	184	15	1.0	0.00
15/07/2022 01:10	0.6	348	12	1.1	0.00
15/07/2022 01:20	0.7	347	9	1.1	0.00
15/07/2022 01:30	0.5	341	8	0.8	0.00
15/07/2022 01:40	0.8	345	8	0.9	0.00
15/07/2022 01:50	1.0	354	16	1.2	0.00
15/07/2022 02:00	0.9	14	15	1.3	0.00
15/07/2022 02:10	0.7	179	17	1.0	0.00
15/07/2022 02:20	0.6	16	26	0.9	0.00
15/07/2022 02:30	0.6	192	13	0.9	0.00
15/07/2022 02:40	0.7	181	11	0.8	0.00
15/07/2022 02:50	0.5	181	21	0.8	0.00
15/07/2022 03:00	0.8	333	16	1.1	0.00
15/07/2022 03:10	0.8	274	25	1.2	0.00
15/07/2022 03:20	0.7	344	10	1.1	0.00
15/07/2022 03:30	0.7	343	12	0.9	0.00
15/07/2022 03:40	1.0	345	8	1.2	0.00
15/07/2022 03:50	0.9	352	16	1.3	0.00
15/07/2022 04:00	1.1	4	13	1.4	0.00
15/07/2022 04:10	1.0	2	15	1.2	0.00
15/07/2022 04:20	1.0	179	14	1.3	0.00
15/07/2022 04:30	1.0	183	13	1.3	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/07/2022 04:40	1.0	354	17	1.2	0.00
15/07/2022 04:50	1.1	8	15	1.4	0.00
15/07/2022 05:00	1.1	10	11	1.4	0.00
15/07/2022 05:10	1.1	10	12	1.5	0.00
15/07/2022 05:20	1.2	183	15	1.6	0.00
15/07/2022 05:30	0.9	191	21	1.5	0.00
15/07/2022 05:40	1.0	9	13	1.2	0.00
15/07/2022 05:50	1.1	182	15	1.4	0.00
15/07/2022 06:00	1.1	358	15	1.5	0.00
15/07/2022 06:10	1.0	183	17	1.5	0.00
15/07/2022 06:20	1.1	4	17	1.4	0.00
15/07/2022 06:30	1.1	2	15	1.5	0.00
15/07/2022 06:40	1.0	186	16	1.3	0.00
15/07/2022 06:50	1.2	8	14	1.5	0.10
15/07/2022 07:00	1.2	2	14	1.6	0.00
15/07/2022 07:10	1.1	3	19	1.6	0.00
15/07/2022 07:20	0.6	14	20	1.0	0.00
15/07/2022 07:30	0.7	33	21	1.5	0.00
15/07/2022 07:40	0.8	42	23	1.3	0.00
15/07/2022 07:50	0.7	53	25	1.2	0.00
15/07/2022 08:00	0.8	74	28	1.4	0.00
15/07/2022 08:10	0.9	88	19	1.5	0.00
15/07/2022 08:20	0.9	102	25	1.5	0.00
15/07/2022 08:30	0.9	107	29	1.7	0.00
15/07/2022 08:40	1.0	95	26	1.7	0.00
15/07/2022 08:50	1.2	99	27	2.2	0.00
15/07/2022 09:00	1.2	97	30	1.9	0.00
15/07/2022 09:10	1.3	99	28	1.9	0.00
15/07/2022 09:20	1.2	104	30	2.0	0.00
15/07/2022 09:30	1.1	100	26	1.8	0.00
15/07/2022 09:40	1.2	113	28	2.1	0.00
15/07/2022 09:50	1.2	91	32	2.0	0.00
15/07/2022 10:00	1.4	105	26	2.0	0.00
15/07/2022 10:10	1.4	99	29	2.2	0.00
15/07/2022 10:20	1.5	117	24	2.5	0.00
15/07/2022 10:30	1.2	125	34	2.2	0.00
15/07/2022 10:40	1.4	98	25	2.1	0.00
15/07/2022 10:50	1.4	103	32	2.2	0.00
15/07/2022 11:00	1.3	130	44	2.4	0.00
15/07/2022 11:10	1.6	144	34	2.8	0.00
15/07/2022 11:20	1.6	132	31	2.6	0.00
15/07/2022 11:30	1.7	113	30	2.6	0.00
15/07/2022 11:40	1.7	108	28	2.5	0.00
15/07/2022 11:50	1.6	93	26	2.4	0.00
15/07/2022 12:00	1.4	109	32	2.4	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/07/2022 12:10	1.3	128	49	2.2	0.00
15/07/2022 12:20	1.6	123	31	2.5	0.00
15/07/2022 12:30	1.6	100	33	3.0	0.00
15/07/2022 12:40	1.8	91	24	2.9	0.00
15/07/2022 12:50	1.7	90	29	3.1	0.00
15/07/2022 13:00	1.8	91	30	3.2	0.00
15/07/2022 13:10	2.0	50	22	3.3	0.00
15/07/2022 13:20	1.8	56	25	3.1	0.00
15/07/2022 13:30	2.6	54	21	4.1	0.00
15/07/2022 13:40	2.4	55	20	4.0	0.00
15/07/2022 13:50	2.5	55	18	3.9	0.00
15/07/2022 14:00	2.5	51	23	4.2	0.00
15/07/2022 14:10	2.6	48	21	4.1	0.00
15/07/2022 14:20	2.6	46	23	4.4	0.00
15/07/2022 14:30	2.8	54	18	4.4	0.00
15/07/2022 14:40	2.7	56	19	4.4	0.00
15/07/2022 14:50	2.5	61	22	4.4	0.00
15/07/2022 15:00	2.4	59	19	3.6	0.00
15/07/2022 15:10	2.4	63	21	3.6	0.00
15/07/2022 15:20	2.3	61	22	4.2	0.00
15/07/2022 15:30	2.2	58	21	3.3	0.00
15/07/2022 15:40	2.2	61	20	3.6	0.00
15/07/2022 15:50	2.2	57	19	3.4	0.00
15/07/2022 16:00	2.0	61	21	3.2	0.00
15/07/2022 16:10	1.5	65	20	2.5	0.00
15/07/2022 16:20	1.4	59	21	2.4	0.00
15/07/2022 16:30	1.5	52	21	2.6	0.00
15/07/2022 16:40	1.4	50	19	2.4	0.00
15/07/2022 16:50	1.8	48	14	2.7	0.00
15/07/2022 17:00	1.4	46	14	1.9	0.00
15/07/2022 17:10	1.3	44	16	2.0	0.00
15/07/2022 17:20	1.2	42	15	1.9	0.00
15/07/2022 17:30	1.1	38	18	1.7	0.00
15/07/2022 17:40	1.1	24	22	2.0	0.00
15/07/2022 17:50	0.8	5	26	1.3	0.00
15/07/2022 18:00	1.1	346	23	1.9	0.00
15/07/2022 18:10	1.3	345	20	2.0	0.00
15/07/2022 18:20	1.5	351	23	2.1	0.00
15/07/2022 18:30	1.4	355	23	2.1	0.00
15/07/2022 18:40	1.4	350	22	2.4	0.00
15/07/2022 18:50	1.4	347	23	2.0	0.00
15/07/2022 19:00	1.3	181	24	2.0	0.00
15/07/2022 19:10	1.1	15	27	1.8	0.00
15/07/2022 19:20	0.9	13	27	1.8	0.00
15/07/2022 19:30	1.0	175	28	1.5	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/07/2022 19:40	0.8	171	31	1.6	0.00
15/07/2022 19:50	1.4	331	15	1.9	0.00
15/07/2022 20:00	0.9	343	23	1.3	0.00
15/07/2022 20:10	0.7	312	35	1.3	0.00
15/07/2022 20:20	0.2	207	26	0.8	0.00
15/07/2022 20:30	0.4	302	25	0.9	0.00
15/07/2022 20:40	0.2	173	13	0.8	0.00
15/07/2022 20:50	0.8	299	21	1.1	0.00
15/07/2022 21:00	1.3	285	17	1.9	0.00
15/07/2022 21:10	1.4	282	12	2.0	0.00
15/07/2022 21:20	1.6	271	12	2.4	0.00
15/07/2022 21:30	0.9	171	40	1.7	0.00
15/07/2022 21:40	0.2	171	10	0.5	0.00
15/07/2022 21:50	0.3	199	21	0.7	0.00
15/07/2022 22:00	0.6	293	11	1.3	0.00
15/07/2022 22:10	1.0	274	12	1.3	0.00
15/07/2022 22:20	1.1	269	17	1.4	0.00
15/07/2022 22:30	0.7	274	28	1.1	0.00
15/07/2022 22:40	0.6	258	29	1.1	0.00
15/07/2022 22:50					0.00
15/07/2022 23:00	0.2	275	12	1.0	0.00
15/07/2022 23:10	0.7	270	19	1.3	0.00
15/07/2022 23:20	0.4	218	14	1.0	0.00
15/07/2022 23:30	1.0	263	19	1.5	0.00
15/07/2022 23:40	0.9	258	11	1.5	0.00
15/07/2022 23:50	1.4	260	15	2.1	0.00
16/07/2022 00:00	1.4	249	25	2.0	0.00
16/07/2022 00:10	0.0	226	1	0.5	0.00
16/07/2022 00:20	0.6	285	21	0.8	0.00
16/07/2022 00:30	1.0	254	20	1.4	0.00
16/07/2022 00:40	1.0	256	17	1.4	0.00
16/07/2022 00:50	1.4	256	14	1.9	0.00
16/07/2022 01:00	1.3	260	12	1.6	0.00
16/07/2022 01:10	1.3	252	13	2.0	0.00
16/07/2022 01:20	1.3	250	11	1.8	0.00
16/07/2022 01:30	0.9	266	38	1.5	0.00
16/07/2022 01:40	0.6	300	41	1.2	0.00
16/07/2022 01:50	0.7	181	21	1.2	0.00
16/07/2022 02:00	0.9	352	11	1.2	0.00
16/07/2022 02:10	0.6	10	35	0.8	0.00
16/07/2022 02:20	0.6	18	25	0.9	0.00
16/07/2022 02:30	0.7	20	21	1.0	0.00
16/07/2022 02:40	0.5	51	48	0.8	0.00
16/07/2022 02:50	0.6	73	72	1.3	0.00
16/07/2022 03:00	0.8	168	46	1.6	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/07/2022 03:10	1.2	237	21	1.7	0.00
16/07/2022 03:20	1.0	256	20	1.4	0.00
16/07/2022 03:30	0.9	338	32	1.5	0.00
16/07/2022 03:40	1.5	347	9	1.9	0.00
16/07/2022 03:50	1.4	344	8	1.6	0.00
16/07/2022 04:00	1.4	336	8	1.6	0.00
16/07/2022 04:10	1.2	343	17	1.6	0.00
16/07/2022 04:20	1.1	355	20	1.6	0.00
16/07/2022 04:30	1.1	352	17	1.5	0.00
16/07/2022 04:40	1.2	349	12	1.7	0.00
16/07/2022 04:50	1.2	350	19	1.6	0.00
16/07/2022 05:00	1.0	351	14	1.7	0.00
16/07/2022 05:10	1.1	355	18	1.4	0.00
16/07/2022 05:20	1.1	333	40	1.7	0.00
16/07/2022 05:30	0.5	315	54	1.0	0.00
16/07/2022 05:40	1.2	197	29	2.0	0.00
16/07/2022 05:50	0.8	197	30	1.6	0.00
16/07/2022 06:00	0.3	83	34	0.8	0.00
16/07/2022 06:10	0.5	175	78	0.9	0.00
16/07/2022 06:20	1.3	165	35	2.6	0.00
16/07/2022 06:30	1.4	181	27	3.2	0.00
16/07/2022 06:40	1.4	170	35	2.6	0.00
16/07/2022 06:50	0.9	153	40	1.6	0.00
16/07/2022 07:00	0.7	19	26	1.1	0.00
16/07/2022 07:10	0.9	14	11	1.2	0.00
16/07/2022 07:20	0.8	29	18	1.2	0.00
16/07/2022 07:30	0.4	24	29	1.1	0.00
16/07/2022 07:40	0.6	45	26	1.1	0.00
16/07/2022 07:50	0.6	28	26	0.9	0.00
16/07/2022 08:00	0.7	35	22	1.2	0.00
16/07/2022 08:10	0.7	89	19	1.2	0.00
16/07/2022 08:20	0.9	104	25	1.6	0.00
16/07/2022 08:30	0.9	95	25	1.5	0.00
16/07/2022 08:40	1.1	112	27	1.7	0.00
16/07/2022 08:50	1.4	98	29	2.3	0.00
16/07/2022 09:00	1.7	97	26	2.4	0.00
16/07/2022 09:10	1.8	108	25	2.6	0.00
16/07/2022 09:20	1.7	100	28	2.8	0.00
16/07/2022 09:30	1.8	110	27	2.9	0.00
16/07/2022 09:40	1.7	115	29	2.8	0.00
16/07/2022 09:50	1.7	111	27	2.8	0.00
16/07/2022 10:00	1.7	109	29	3.0	0.00
16/07/2022 10:10	1.4	113	30	2.4	0.00
16/07/2022 10:20	1.5	121	26	2.7	0.00
16/07/2022 10:30	1.4	108	31	2.4	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/07/2022 10:40	1.7	98	26	2.6	0.00
16/07/2022 10:50	1.8	95	25	2.7	0.00
16/07/2022 11:00	1.7	87	29	2.8	0.00
16/07/2022 11:10	2.3	79	27	3.8	0.00
16/07/2022 11:20	2.1	84	27	3.4	0.00
16/07/2022 11:30	2.4	73	26	4.2	0.00
16/07/2022 11:40	2.3	77	23	3.5	0.00
16/07/2022 11:50	2.3	91	30	3.7	0.00
16/07/2022 12:00	2.2	92	38	3.6	0.00
16/07/2022 12:10	2.1	74	25	3.3	0.00
16/07/2022 12:20	2.3	69	26	3.9	0.00
16/07/2022 12:30	2.3	65	26	3.7	0.00
16/07/2022 12:40	2.3	55	25	3.7	0.00
16/07/2022 12:50	2.5	54	21	3.9	0.00
16/07/2022 13:00	2.5	55	23	4.1	0.00
16/07/2022 13:10	2.8	51	25	4.8	0.00
16/07/2022 13:20	2.8	49	24	4.6	0.00
16/07/2022 13:30	2.7	50	22	4.4	0.00
16/07/2022 13:40	2.4	58	28	4.0	0.00
16/07/2022 13:50	2.4	61	19	3.7	0.00
16/07/2022 14:00	2.5	56	21	3.6	0.00
16/07/2022 14:10	2.4	56	23	4.0	0.00
16/07/2022 14:20	2.6	64	21	4.4	0.00
16/07/2022 14:30	2.7	59	21	4.7	0.00
16/07/2022 14:40	2.4	58	25	4.6	0.00
16/07/2022 14:50	2.6	60	21	4.2	0.00
16/07/2022 15:00	2.6	55	17	4.0	0.00
16/07/2022 15:10	2.4	47	15	4.2	0.00
16/07/2022 15:20	2.2	53	20	3.8	0.00
16/07/2022 15:30	2.4	54	20	4.0	0.00
16/07/2022 15:40	2.1	53	23	3.8	0.00
16/07/2022 15:50	2.2	53	21	3.6	0.00
16/07/2022 16:00	2.3	50	22	3.8	0.00
16/07/2022 16:10	2.3	47	16	3.8	0.00
16/07/2022 16:20	2.4	51	19	3.6	0.00
16/07/2022 16:30	2.3	53	17	3.6	0.00
16/07/2022 16:40	2.2	52	19	3.6	0.00
16/07/2022 16:50	1.9	47	16	3.0	0.00
16/07/2022 17:00	1.7	44	16	2.4	0.00
16/07/2022 17:10	1.7	43	18	2.8	0.00
16/07/2022 17:20	1.9	36	20	2.8	0.00
16/07/2022 17:30	1.8	32	18	2.8	0.00
16/07/2022 17:40	2.0	34	16	3.2	0.00
16/07/2022 17:50	1.6	30	17	2.2	0.00
16/07/2022 18:00	1.9	27	20	2.8	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/07/2022 18:10	1.7	28	25	2.7	0.00
16/07/2022 18:20	2.1	21	24	3.4	0.00
16/07/2022 18:30	2.2	20	25	3.7	0.00
16/07/2022 18:40	2.2	22	28	3.6	0.00
16/07/2022 18:50	2.0	19	24	3.5	0.00
16/07/2022 19:00	2.1	18	20	3.6	0.00
16/07/2022 19:10	1.8	15	28	3.2	0.00
16/07/2022 19:20	1.9	22	25	3.5	0.00
16/07/2022 19:30	1.9	21	26	3.6	0.00
16/07/2022 19:40	1.9	14	28	3.4	0.00
16/07/2022 19:50	1.5	21	30	2.5	0.00
16/07/2022 20:00	1.3	33	27	2.5	0.00
16/07/2022 20:10	1.5	38	23	2.4	0.00
16/07/2022 20:20	1.5	48	19	2.3	0.00
16/07/2022 20:30	1.3	54	18	1.9	0.00
16/07/2022 20:40	0.9	72	26	1.6	0.00
16/07/2022 20:50	0.3	190	45	0.7	0.00
16/07/2022 21:00	0.1	224	24	0.6	0.00
16/07/2022 21:10					0.00
16/07/2022 21:20	0.2	19	3	0.8	0.00
16/07/2022 21:30	0.7	23	8	0.9	0.00
16/07/2022 21:40	0.9	11	13	1.2	0.00
16/07/2022 21:50	1.1	5	11	1.3	0.00
16/07/2022 22:00	0.9	178	12	1.2	0.00
16/07/2022 22:10	0.6	6	17	0.8	0.00
16/07/2022 22:20	0.4	357	14	0.8	0.00
16/07/2022 22:30	0.5	335	16	1.0	0.00
16/07/2022 22:40	1.0	343	9	1.4	0.00
16/07/2022 22:50	0.9	356	11	1.2	0.00
16/07/2022 23:00	0.9	350	9	1.1	0.00
16/07/2022 23:10	0.9	346	10	1.1	0.00
16/07/2022 23:20	0.9	344	9	1.2	0.00
16/07/2022 23:30	1.0	346	14	1.3	0.00
16/07/2022 23:40	0.9	352	13	1.2	0.00
16/07/2022 23:50	0.7	179	14	1.0	0.00
17/07/2022 00:00	0.1	308	6	0.6	0.00
17/07/2022 00:10	0.6	344	5	1.1	0.00
17/07/2022 00:20	0.9	341	9	1.1	0.00
17/07/2022 00:30	1.4	335	12	1.7	0.00
17/07/2022 00:40	1.5	332	7	1.8	0.00
17/07/2022 00:50	1.2	335	8	1.4	0.00
17/07/2022 01:00	1.2	318	33	1.6	0.00
17/07/2022 01:10	1.0	248	10	1.3	0.00
17/07/2022 01:20	0.5	323	17	0.8	0.00
17/07/2022 01:30	0.7	183	16	1.0	0.00





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/07/2022 01:40	0.8	351	11	1.0	0.00
17/07/2022 01:50	1.0	345	12	1.4	0.00
17/07/2022 02:00	0.9	353	12	1.3	0.00
17/07/2022 02:10	0.8	179	14	1.1	0.00
17/07/2022 02:20	0.6	181	12	1.1	0.00
17/07/2022 02:30	0.7	179	13	1.1	0.00
17/07/2022 02:40	0.9	351	11	1.1	0.00
17/07/2022 02:50	0.9	338	10	1.2	0.00
17/07/2022 03:00	0.9	352	13	1.2	0.00
17/07/2022 03:10	0.8	2	16	1.1	0.00
17/07/2022 03:20	0.7	9	24	1.1	0.00
17/07/2022 03:30	0.5	160	43	0.9	0.00
17/07/2022 03:40	0.9	353	14	1.2	0.00
17/07/2022 03:50	1.0	350	13	1.2	0.00
17/07/2022 04:00	1.0	180	11	1.3	0.00
17/07/2022 04:10	0.8	15	17	1.2	0.00
17/07/2022 04:20	0.4	98	43	0.8	0.00
17/07/2022 04:30	0.6	347	15	1.0	0.00
17/07/2022 04:40	0.9	295	26	1.2	0.00
17/07/2022 04:50	1.2	253	14	1.6	0.00
17/07/2022 05:00	0.9	203	61	1.5	0.00
17/07/2022 05:10	1.3	229	20	1.7	0.00
17/07/2022 05:20	1.4	259	16	1.8	0.00
17/07/2022 05:30	0.8	336	28	1.2	0.00
17/07/2022 05:40	1.2	343	10	1.5	0.00
17/07/2022 05:50	1.2	354	15	1.6	0.00
17/07/2022 06:00	1.0	21	18	1.3	0.00
17/07/2022 06:10	0.9	30	16	1.5	0.00
17/07/2022 06:20	1.1	9	14	1.2	0.00
17/07/2022 06:30	1.1	359	13	1.4	0.00
17/07/2022 06:40	0.9	358	15	1.3	0.00
17/07/2022 06:50	1.1	352	13	1.3	0.00
17/07/2022 07:00	1.1	347	14	1.5	0.00
17/07/2022 07:10	1.2	347	11	1.5	0.00
17/07/2022 07:20	1.2	352	14	1.5	0.00
17/07/2022 07:30	1.0	354	16	1.2	0.00
17/07/2022 07:40	0.9	10	14	1.3	0.00
17/07/2022 07:50	0.0	49	0	0.5	0.00
17/07/2022 08:00	0.0	36	4	0.8	0.00
17/07/2022 08:10	0.0	89	3	0.4	0.00
17/07/2022 08:20	0.1	76	7	0.9	0.00
17/07/2022 08:30	1.1	79	16	1.7	0.00
17/07/2022 08:40	1.0	95	25	1.9	0.00
17/07/2022 08:50	1.1	99	27	1.9	0.00
17/07/2022 09:00	0.9	96	33	1.5	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/07/2022 09:10	1.2	100	25	1.9	0.00
17/07/2022 09:20	1.1	99	35	1.7	0.00
17/07/2022 09:30	1.0	114	36	1.6	0.00
17/07/2022 09:40	1.2	121	36	1.9	0.00
17/07/2022 09:50	1.2	128	30	2.0	0.00
17/07/2022 10:00	1.4	96	25	2.2	0.00
17/07/2022 10:10	1.3	94	25	2.0	0.00
17/07/2022 10:20	1.5	88	25	2.3	0.00
17/07/2022 10:30	1.6	104	28	2.4	0.00
17/07/2022 10:40	1.5	118	31	2.5	0.00
17/07/2022 10:50	1.4	93	27	2.2	0.00
17/07/2022 11:00	1.5	115	32	2.5	0.00
17/07/2022 11:10	1.7	100	21	2.7	0.00
17/07/2022 11:20	1.5	128	30	2.5	0.00
17/07/2022 11:30	1.7	114	32	2.7	0.00
17/07/2022 11:40	1.5	120	35	2.4	0.00
17/07/2022 11:50	1.5	111	40	2.4	0.00
17/07/2022 12:00	1.5	95	33	2.5	0.00
17/07/2022 12:10	1.6	110	41	2.5	0.00
17/07/2022 12:20	1.5	108	42	2.4	0.00
17/07/2022 12:30	1.3	118	38	2.2	0.00
17/07/2022 12:40	1.2	93	45	2.3	0.00
17/07/2022 12:50	1.4	109	57	2.4	0.00
17/07/2022 13:00	1.4	127	36	2.2	0.00
17/07/2022 13:10	1.5	152	37	2.6	0.00
17/07/2022 13:20	1.2	110	34	2.1	0.00
17/07/2022 13:30	1.8	55	24	2.7	0.00
17/07/2022 13:40	1.6	55	24	2.5	0.00
17/07/2022 13:50	1.7	64	30	2.7	0.00
17/07/2022 14:00	1.4	51	27	2.6	0.00
17/07/2022 14:10	1.5	65	24	2.6	0.00
17/07/2022 14:20	1.7	52	23	2.6	0.00
17/07/2022 14:30	1.9	62	22	2.8	0.00
17/07/2022 14:40	2.0	59	20	3.2	0.00
17/07/2022 14:50	1.8	57	20	2.8	0.00
17/07/2022 15:00	1.8	65	21	2.8	0.00
17/07/2022 15:10	1.9	71	20	2.8	0.00
17/07/2022 15:20	1.7	63	23	2.6	0.00
17/07/2022 15:30	1.7	53	23	2.8	0.00
17/07/2022 15:40	1.8	60	18	3.0	0.00
17/07/2022 15:50	1.5	195	40	2.8	0.00
17/07/2022 16:00	1.4	348	45	2.4	0.00
17/07/2022 16:10	1.2	27	43	2.1	0.00
17/07/2022 16:20	1.3	40	34	2.2	0.00
17/07/2022 16:30	1.3	27	32	2.4	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/07/2022 16:40	1.4	50	20	2.1	0.00
17/07/2022 16:50	1.5	35	25	2.5	0.00
17/07/2022 17:00	1.4	49	23	2.3	0.00
17/07/2022 17:10	1.2	50	18	1.8	0.00
17/07/2022 17:20	1.4	39	25	2.1	0.00
17/07/2022 17:30	1.4	30	26	2.3	0.00
17/07/2022 17:40	1.2	183	40	2.2	0.00
17/07/2022 17:50	1.7	339	21	2.8	0.00
17/07/2022 18:00	1.5	335	20	2.4	0.00
17/07/2022 18:10	1.1	184	28	1.9	0.00
17/07/2022 18:20	0.9	17	31	1.8	0.00
17/07/2022 18:30	1.3	345	26	2.4	0.00
17/07/2022 18:40	1.7	341	16	2.4	0.00
17/07/2022 18:50	1.7	343	15	2.4	0.00
17/07/2022 19:00	1.2	336	30	1.9	0.00
17/07/2022 19:10	1.9	344	20	2.8	0.00
17/07/2022 19:20	2.2	347	13	2.9	0.00
17/07/2022 19:30	1.7	345	18	2.7	0.00
17/07/2022 19:40	1.4	342	32	2.3	0.00
17/07/2022 19:50	2.2	345	17	2.9	0.00
17/07/2022 20:00	1.8	347	17	2.5	0.00
17/07/2022 20:10	1.1	350	44	2.0	0.00
17/07/2022 20:20	1.2	348	30	2.1	0.00
17/07/2022 20:30	0.3	194	31	0.8	0.00
17/07/2022 20:40	0.4	92	38	0.9	0.00
17/07/2022 20:50	0.7	250	13	1.4	0.00
17/07/2022 21:00	1.6	258	14	2.2	0.00
17/07/2022 21:10	1.6	267	14	2.3	0.00
17/07/2022 21:20	1.3	278	17	1.6	0.00
17/07/2022 21:30	1.4	272	13	2.0	0.00
17/07/2022 21:40	1.1	276	16	1.5	0.00
17/07/2022 21:50	1.3	279	15	1.7	0.00
17/07/2022 22:00	1.4	274	14	1.8	0.00
17/07/2022 22:10	1.4	261	9	1.7	0.00
17/07/2022 22:20	1.3	262	9	1.6	0.00
17/07/2022 22:30	1.2	270	15	1.6	0.00
17/07/2022 22:40	1.3	265	11	1.6	0.00
17/07/2022 22:50	1.3	264	14	1.6	0.00
17/07/2022 23:00	1.3	267	14	1.8	0.00
17/07/2022 23:10	1.3	272	14	1.9	0.00
17/07/2022 23:20	1.5	272	17	2.0	0.00
17/07/2022 23:30	1.3	273	19	1.9	0.00
17/07/2022 23:40	1.4	271	16	2.0	0.00
17/07/2022 23:50	1.7	269	14	2.4	0.00
18/07/2022 00:00	1.7	268	14	2.6	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/07/2022 00:10	1.5	273	18	2.4	0.00
18/07/2022 00:20	1.2	287	19	2.2	0.00
18/07/2022 00:30	1.5	277	18	2.1	0.00
18/07/2022 00:40	1.6	272	15	2.2	0.00
18/07/2022 00:50	1.4	275	19	2.0	0.00
18/07/2022 01:00	1.7	264	16	2.3	0.00
18/07/2022 01:10	1.7	272	18	2.2	0.00
18/07/2022 01:20	1.5	281	20	2.3	0.00
18/07/2022 01:30	1.6	267	16	2.5	0.00
18/07/2022 01:40	1.8	269	13	2.4	0.00
18/07/2022 01:50	1.8	269	13	2.6	0.00
18/07/2022 02:00	1.8	271	17	2.6	0.00
18/07/2022 02:10	2.0	263	15	2.7	0.00
18/07/2022 02:20	1.9	273	14	2.7	0.00
18/07/2022 02:30	1.7	280	17	2.4	0.00
18/07/2022 02:40	1.6	291	18	2.1	0.00
18/07/2022 02:50	1.5	309	12	1.9	0.00
18/07/2022 03:00	1.4	305	15	1.8	0.00
18/07/2022 03:10	1.5	298	13	2.0	0.00
18/07/2022 03:20	1.4	286	17	2.2	0.00
18/07/2022 03:30	0.9	239	20	1.4	0.00
18/07/2022 03:40	0.1	216	3	0.6	0.00
18/07/2022 03:50					0.00
18/07/2022 04:00	0.5	326	26	1.1	0.00
18/07/2022 04:10	0.5	28	55	0.9	0.00
18/07/2022 04:20	0.3	9	18	0.8	0.00
18/07/2022 04:30	1.0	319	15	1.4	0.00
18/07/2022 04:40	0.3	313	11	1.0	0.00
18/07/2022 04:50	0.9	308	13	1.2	0.00
18/07/2022 05:00	0.7	316	23	1.1	0.00
18/07/2022 05:10	0.3	333	8	0.9	0.00
18/07/2022 05:20	0.0	156	3	0.4	0.00
18/07/2022 05:30	0.2	296	38	0.6	0.00
18/07/2022 05:40	0.3	329	16	0.5	0.00
18/07/2022 05:50	0.6	188	19	0.9	0.00
18/07/2022 06:00	0.8	348	9	1.2	0.00
18/07/2022 06:10	0.8	4	24	1.2	0.00
18/07/2022 06:20	0.9	352	14	1.2	0.00
18/07/2022 06:30	1.3	347	14	1.7	0.00
18/07/2022 06:40	1.3	331	10	1.6	0.00
18/07/2022 06:50	0.6	353	33	1.1	0.00
18/07/2022 07:00	0.9	345	23	1.4	0.00
18/07/2022 07:10	0.7	356	28	1.3	0.00
18/07/2022 07:20	0.8	352	19	1.2	0.00
18/07/2022 07:30	1.2	348	12	1.6	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/07/2022 07:40	0.6	354	15	1.1	0.00
18/07/2022 07:50					0.00
18/07/2022 08:00					0.00
18/07/2022 08:10					0.00
18/07/2022 08:20					0.00
18/07/2022 08:30	0.8	74	24	1.3	0.00
18/07/2022 08:40	0.9	80	25	1.6	0.00
18/07/2022 08:50	0.8	84	23	1.1	0.00
18/07/2022 09:00	0.8	96	31	1.2	0.00
18/07/2022 09:10	0.8	77	29	1.4	0.00
18/07/2022 09:20	0.8	77	30	1.4	0.00
18/07/2022 09:30	0.6	60	54	0.9	0.00
18/07/2022 09:40	0.8	72	27	1.3	0.00
18/07/2022 09:50	0.7	85	41	1.2	0.00
18/07/2022 10:00	0.6	96	36	1.2	0.00
18/07/2022 10:10	0.2	33	23	0.8	0.00
18/07/2022 10:20	0.7	235	29	1.6	0.00
18/07/2022 10:30	1.2	135	29	2.0	0.00
18/07/2022 10:40	1.3	141	32	2.4	0.00
18/07/2022 10:50	1.5	139	31	2.4	0.00
18/07/2022 11:00	1.2	135	36	1.9	0.00
18/07/2022 11:10	1.0	94	33	1.7	0.00
18/07/2022 11:20	1.1	104	45	1.9	0.00
18/07/2022 11:30	1.1	80	50	2.0	0.00
18/07/2022 11:40	1.4	87	25	2.2	0.00
18/07/2022 11:50	1.0	86	44	1.8	0.00
18/07/2022 12:00	1.1	83	42	2.0	0.00
18/07/2022 12:10	1.1	109	44	2.0	0.00
18/07/2022 12:20	2.0	157	34	3.1	0.00
18/07/2022 12:30	1.5	157	36	2.6	0.00
18/07/2022 12:40	2.2	231	39	4.0	0.00
18/07/2022 12:50	1.8	235	33	2.8	0.00
18/07/2022 13:00	2.4	261	26	3.4	0.00
18/07/2022 13:10	2.6	249	19	3.9	0.00
18/07/2022 13:20	3.0	245	17	4.6	0.00
18/07/2022 13:30	1.7	294	43	4.0	0.00
18/07/2022 13:40	1.7	287	43	3.2	0.00
18/07/2022 13:50	2.0	281	41	3.7	0.00
18/07/2022 14:00	2.3	325	31	3.6	0.00
18/07/2022 14:10	2.0	316	32	3.6	0.00
18/07/2022 14:20	2.5	322	25	4.1	0.00
18/07/2022 14:30	2.3	338	32	4.4	0.00
18/07/2022 14:40	2.3	315	28	4.0	0.00
18/07/2022 14:50	2.2	313	32	3.6	0.00
18/07/2022 15:00	2.4	302	36	3.6	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/07/2022 15:10	2.0	282	48	3.9	0.00
18/07/2022 15:20	2.0	272	39	3.4	0.00
18/07/2022 15:30	1.8	292	40	3.6	0.00
18/07/2022 15:40	1.7	303	48	3.0	0.00
18/07/2022 15:50	2.4	326	28	4.2	0.00
18/07/2022 16:00	2.0	298	41	3.6	0.00
18/07/2022 16:10	1.8	284	40	2.9	0.00
18/07/2022 16:20	1.7	286	46	3.2	0.00
18/07/2022 16:30	1.8	275	34	3.0	0.00
18/07/2022 16:40	1.7	302	36	2.8	0.00
18/07/2022 16:50	1.7	297	40	3.6	0.00
18/07/2022 17:00	1.5	294	45	2.4	0.00
18/07/2022 17:10	1.5	298	38	3.0	0.00
18/07/2022 17:20	1.6	281	37	2.8	0.00
18/07/2022 17:30	1.4	296	45	2.6	0.00
18/07/2022 17:40	2.0	322	25	3.5	0.00
18/07/2022 17:50	2.0	309	25	3.2	0.00
18/07/2022 18:00	2.0	320	23	3.4	0.00
18/07/2022 18:10	2.0	319	32	3.8	0.00
18/07/2022 18:20	1.5	297	46	2.7	0.00
18/07/2022 18:30	1.6	323	25	2.6	0.00
18/07/2022 18:40	1.2	314	34	1.9	0.00
18/07/2022 18:50	1.1	273	35	1.6	0.00
18/07/2022 19:00	0.9	310	40	1.8	0.00
18/07/2022 19:10	1.3	317	38	2.1	0.00
18/07/2022 19:20	1.9	334	25	2.8	0.00
18/07/2022 19:30	1.2	338	39	2.2	0.00
18/07/2022 19:40	1.6	342	28	2.4	0.00
18/07/2022 19:50	1.7	350	32	2.8	0.00
18/07/2022 20:00	2.0	345	17	3.0	0.00
18/07/2022 20:10	2.0	341	22	3.0	0.00
18/07/2022 20:20	1.6	348	23	2.8	0.00
18/07/2022 20:30	1.5	346	24	2.4	0.00
18/07/2022 20:40	1.4	340	26	2.3	0.00
18/07/2022 20:50	1.3	319	27	2.4	0.00
18/07/2022 21:00	1.2	310	32	2.1	0.00
18/07/2022 21:10	1.0	311	34	1.9	0.00
18/07/2022 21:20	1.0	340	36	1.6	0.00
18/07/2022 21:30	1.4	324	29	2.0	0.00
18/07/2022 21:40	1.3	331	35	2.3	0.00
18/07/2022 21:50	1.4	326	28	2.3	0.00
18/07/2022 22:00	1.5	322	25	2.4	0.00
18/07/2022 22:10	1.5	322	28	2.7	0.00
18/07/2022 22:20	1.5	316	24	2.5	0.00
18/07/2022 22:30	1.8	319	19	2.6	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/07/2022 22:40	1.2	300	44	1.9	0.00
18/07/2022 22:50	1.0	317	39	1.6	0.00
18/07/2022 23:00	1.2	325	28	2.0	0.00
18/07/2022 23:10	1.1	319	26	2.0	0.00
18/07/2022 23:20	1.3	287	28	2.1	0.00
18/07/2022 23:30	1.3	261	26	1.9	0.00
18/07/2022 23:40	1.2	256	21	1.6	0.00
18/07/2022 23:50	1.4	262	27	2.3	0.00
19/07/2022 00:00	1.4	290	31	2.6	0.00
19/07/2022 00:10	1.3	307	31	2.4	0.00
19/07/2022 00:20	1.4	313	36	2.6	0.00
19/07/2022 00:30	1.5	309	25	2.1	0.00
19/07/2022 00:40	1.3	293	37	2.2	0.00
19/07/2022 00:50	1.3	308	25	2.2	0.00
19/07/2022 01:00	1.5	310	27	3.0	0.00
19/07/2022 01:10	1.6	312	32	2.8	0.00
19/07/2022 01:20	1.3	289	33	2.8	0.00
19/07/2022 01:30	1.4	299	34	2.7	0.00
19/07/2022 01:40	1.5	286	26	2.2	0.00
19/07/2022 01:50	1.3	267	28	2.3	0.00
19/07/2022 02:00	1.3	269	20	2.3	0.00
19/07/2022 02:10	1.5	272	12	2.0	0.00
19/07/2022 02:20	1.4	270	12	1.9	0.00
19/07/2022 02:30	1.6	270	13	2.4	0.00
19/07/2022 02:40	1.4	264	19	2.0	0.00
19/07/2022 02:50	0.5	166	22	1.1	0.00
19/07/2022 03:00	0.3	132	49	0.8	0.00
19/07/2022 03:10	0.8	187	28	1.2	0.00
19/07/2022 03:20	0.4	38	21	1.0	0.00
19/07/2022 03:30	0.7	31	25	1.2	0.00
19/07/2022 03:40	0.8	34	18	1.2	0.00
19/07/2022 03:50	0.9	31	24	1.3	0.00
19/07/2022 04:00	0.5	45	32	0.9	0.00
19/07/2022 04:10	0.2	26	25	0.8	0.00
19/07/2022 04:20	0.2	58	41	0.7	0.00
19/07/2022 04:30	0.5	25	26	0.8	0.00
19/07/2022 04:40	0.8	26	17	1.3	0.00
19/07/2022 04:50	0.7	34	32	1.2	0.00
19/07/2022 05:00	0.7	12	18	1.2	0.00
19/07/2022 05:10	0.7	42	26	0.9	0.00
19/07/2022 05:20	0.5	41	45	1.2	0.00
19/07/2022 05:30	0.5	29	40	0.8	0.00
19/07/2022 05:40	0.6	24	21	1.0	0.00
19/07/2022 05:50	0.6	30	29	0.9	0.00
19/07/2022 06:00	0.6	25	29	0.9	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/07/2022 06:10	0.6	21	21	0.8	0.00
19/07/2022 06:20	0.4	187	30	0.8	0.00
19/07/2022 06:30	0.8	172	20	1.2	0.00
19/07/2022 06:40	0.5	39	44	0.8	0.00
19/07/2022 06:50	0.8	81	39	1.4	0.00
19/07/2022 07:00	0.8	83	31	1.5	0.00
19/07/2022 07:10	1.0	91	21	1.5	0.00
19/07/2022 07:20	1.1	97	24	1.7	0.00
19/07/2022 07:30	1.2	99	22	2.0	0.00
19/07/2022 07:40	1.2	106	27	2.0	0.00
19/07/2022 07:50	1.8	120	24	2.5	0.00
19/07/2022 08:00	1.5	112	26	2.4	0.00
19/07/2022 08:10	1.2	104	24	1.9	0.00
19/07/2022 08:20	1.3	101	25	2.0	0.00
19/07/2022 08:30	1.3	103	28	2.3	0.00
19/07/2022 08:40	1.5	104	18	2.3	0.00
19/07/2022 08:50	1.6	105	26	2.6	0.00
19/07/2022 09:00	1.6	100	26	2.5	0.00
19/07/2022 09:10	1.9	97	28	3.0	0.00
19/07/2022 09:20	2.0	98	25	3.1	0.00
19/07/2022 09:30	2.1	102	27	3.2	0.00
19/07/2022 09:40	2.0	108	28	2.9	0.00
19/07/2022 09:50	1.9	103	34	3.1	0.00
19/07/2022 10:00	2.0	101	24	3.2	0.00
19/07/2022 10:10	1.7	103	35	2.7	0.00
19/07/2022 10:20	1.9	94	26	2.9	0.00
19/07/2022 10:30	2.0	95	31	3.1	0.00
19/07/2022 10:40	1.9	97	28	3.1	0.00
19/07/2022 10:50	2.0	94	29	3.2	0.00
19/07/2022 11:00	2.2	80	24	3.6	0.00
19/07/2022 11:10	2.7	89	23	4.2	0.00
19/07/2022 11:20	2.6	82	23	4.0	0.00
19/07/2022 11:30	2.3	66	23	3.5	0.00
19/07/2022 11:40	2.6	64	22	4.4	0.00
19/07/2022 11:50	2.7	60	22	4.1	0.00
19/07/2022 12:00	2.7	54	20	4.3	0.00
19/07/2022 12:10	2.6	49	23	4.2	0.00
19/07/2022 12:20	2.6	50	19	4.2	0.00
19/07/2022 12:30	2.7	52	21	4.7	0.00
19/07/2022 12:40	2.7	52	22	4.6	0.00
19/07/2022 12:50	2.4	49	20	4.5	0.00
19/07/2022 13:00	2.6	50	21	3.8	0.00
19/07/2022 13:10	2.7	53	21	4.3	0.00
19/07/2022 13:20	2.7	58	22	4.0	0.00
19/07/2022 13:30	2.8	55	18	4.6	0.00





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/07/2022 13:40	2.8	48	22	4.6	0.00
19/07/2022 13:50	3.0	55	17	4.5	0.00
19/07/2022 14:00	2.8	63	21	4.8	0.00
19/07/2022 14:10	2.9	53	24	4.5	0.00
19/07/2022 14:20	3.0	54	18	4.8	0.00
19/07/2022 14:30	3.0	53	20	5.0	0.00
19/07/2022 14:40	3.0	55	22	4.9	0.00
19/07/2022 14:50	3.1	55	21	5.2	0.00
19/07/2022 15:00	2.9	52	18	4.7	0.00
19/07/2022 15:10	3.0	61	21	4.6	0.00
19/07/2022 15:20	2.7	56	20	4.4	0.00
19/07/2022 15:30	2.8	52	20	4.4	0.00
19/07/2022 15:40	3.2	46	20	4.7	0.00
19/07/2022 15:50	3.1	44	21	4.4	0.00
19/07/2022 16:00	3.2	47	20	5.2	0.00
19/07/2022 16:10	3.1	46	16	5.2	0.00
19/07/2022 16:20	2.7	38	20	4.0	0.00
19/07/2022 16:30	2.4	46	18	3.9	0.00
19/07/2022 16:40	2.2	44	19	3.4	0.00
19/07/2022 16:50	2.1	25	25	3.6	0.00
19/07/2022 17:00	2.6	12	26	4.3	0.00
19/07/2022 17:10	2.4	19	28	4.3	0.00
19/07/2022 17:20	2.5	15	26	4.0	0.00
19/07/2022 17:30	2.9	11	22	4.2	0.00
19/07/2022 17:40	2.7	15	24	4.4	0.00
19/07/2022 17:50	2.7	14	23	4.3	0.00
19/07/2022 18:00	2.5	16	22	3.6	0.00
19/07/2022 18:10	2.6	16	22	3.8	0.00
19/07/2022 18:20	2.8	18	25	4.0	0.00
19/07/2022 18:30	2.6	20	21	4.2	0.00
19/07/2022 18:40	2.5	22	24	4.0	0.00
19/07/2022 18:50	2.6	22	25	4.5	0.00
19/07/2022 19:00	2.6	19	21	4.0	0.00
19/07/2022 19:10	2.4	18	26	3.8	0.00
19/07/2022 19:20	2.5	23	27	4.1	0.00
19/07/2022 19:30	2.5	21	26	3.8	0.00
19/07/2022 19:40	2.1	26	24	3.3	0.00
19/07/2022 19:50	2.0	36	22	3.6	0.00
19/07/2022 20:00	1.8	35	23	3.1	0.00
19/07/2022 20:10	1.8	40	22	2.6	0.00
19/07/2022 20:20	1.6	44	22	2.3	0.00
19/07/2022 20:30	1.3	46	23	2.1	0.00
19/07/2022 20:40	1.1	46	24	1.8	0.00
19/07/2022 20:50	0.9	44	29	1.8	0.00
19/07/2022 21:00	0.8	186	65	1.5	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/07/2022 21:10	0.3	213	24	0.8	0.00
19/07/2022 21:20	0.4	237	31	0.8	0.00
19/07/2022 21:30	0.6	205	67	1.2	0.00
19/07/2022 21:40	0.7	335	36	1.1	0.00
19/07/2022 21:50	0.2	197	19	0.7	0.00
19/07/2022 22:00	0.5	256	63	0.8	0.00
19/07/2022 22:10	0.7	20	55	1.7	0.00
19/07/2022 22:20	0.4	77	9	0.9	0.00
19/07/2022 22:30	0.2	294	23	0.8	0.00
19/07/2022 22:40	0.5	236	9	1.1	0.00
19/07/2022 22:50	0.7	292	28	1.1	0.00
19/07/2022 23:00	0.6	283	15	1.2	0.00
19/07/2022 23:10	0.9	166	38	1.4	0.00
19/07/2022 23:20	0.5	199	22	1.0	0.00
19/07/2022 23:30	0.8	343	17	1.2	0.00
19/07/2022 23:40	1.4	270	13	1.9	0.00
19/07/2022 23:50	1.3	275	18	2.0	0.00
20/07/2022 00:00	0.7	304	59	1.1	0.00
20/07/2022 00:10	0.8	301	14	1.1	0.00
20/07/2022 00:20	1.0	271	15	1.3	0.00
20/07/2022 00:30	1.3	256	17	1.9	0.00
20/07/2022 00:40	1.0	263	19	1.5	0.00
20/07/2022 00:50	0.3	269	26	0.7	0.00
20/07/2022 01:00	0.1	57	5	0.5	0.00
20/07/2022 01:10	0.4	322	17	0.8	0.00
20/07/2022 01:20	0.7	332	21	1.1	0.00
20/07/2022 01:30	0.4	171	10	0.9	0.00
20/07/2022 01:40	0.9	346	6	1.2	0.00
20/07/2022 01:50	0.9	347	15	1.2	0.00
20/07/2022 02:00	1.0	346	10	1.3	0.00
20/07/2022 02:10	1.0	336	7	1.2	0.00
20/07/2022 02:20	0.5	180	11	1.0	0.00
20/07/2022 02:30	0.8	20	11	1.2	0.00
20/07/2022 02:40	0.8	172	13	1.2	0.00
20/07/2022 02:50	0.8	192	21	1.1	0.00
20/07/2022 03:00	0.5	57	43	0.9	0.00
20/07/2022 03:10	0.3	159	31	1.0	0.00
20/07/2022 03:20	0.5	200	22	0.9	0.00
20/07/2022 03:30	0.7	10	35	1.1	0.00
20/07/2022 03:40	0.5	196	35	1.0	0.00
20/07/2022 03:50	0.8	334	18	1.2	0.00
20/07/2022 04:00	0.8	308	57	1.2	0.00
20/07/2022 04:10	0.5	122	38	1.2	0.00
20/07/2022 04:20	0.4	135	57	0.8	0.00
20/07/2022 04:30	0.6	195	44	1.3	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/07/2022 04:40	0.8	97	64	1.4	0.00
20/07/2022 04:50	0.9	24	18	1.2	0.00
20/07/2022 05:00	0.7	46	26	1.2	0.00
20/07/2022 05:10	0.8	26	18	1.3	0.00
20/07/2022 05:20	0.8	26	22	1.2	0.00
20/07/2022 05:30	0.8	15	14	1.2	0.00
20/07/2022 05:40	0.9	345	10	1.2	0.00
20/07/2022 05:50	0.9	175	12	1.2	0.00
20/07/2022 06:00	1.0	15	14	1.4	0.00
20/07/2022 06:10	1.2	39	17	1.9	0.00
20/07/2022 06:20	1.0	50	19	1.4	0.00
20/07/2022 06:30	1.0	39	19	1.7	0.00
20/07/2022 06:40	1.1	35	16	1.7	0.00
20/07/2022 06:50	0.9	29	13	1.2	0.00
20/07/2022 07:00	0.9	44	16	1.3	0.00
20/07/2022 07:10	0.9	32	13	1.6	0.00
20/07/2022 07:20	0.9	33	16	1.5	0.00
20/07/2022 07:30	1.1	24	21	1.8	0.00
20/07/2022 07:40	1.0	30	20	1.5	0.00
20/07/2022 07:50	0.8	4	17	1.1	0.00
20/07/2022 08:00	0.9	18	22	1.6	0.00
20/07/2022 08:10	1.0	44	21	1.9	0.00
20/07/2022 08:20	1.2	56	21	1.9	0.00
20/07/2022 08:30	1.1	50	16	2.4	0.00
20/07/2022 08:40	1.7	50	18	3.0	0.00
20/07/2022 08:50	1.4	47	18	2.8	0.00
20/07/2022 09:00	1.1	56	20	2.8	0.00
20/07/2022 09:10	1.0	64	15	2.7	0.00
20/07/2022 09:20	1.4	60	22	2.5	0.00
20/07/2022 09:30	1.1	52	19	2.9	0.00
20/07/2022 09:40	1.8	70	18	3.2	0.00
20/07/2022 09:50	2.2	82	23	3.6	0.00
20/07/2022 10:00	2.3	70	25	3.6	0.00
20/07/2022 10:10	2.4	78	22	3.8	0.00
20/07/2022 10:20	2.6	81	23	4.1	0.00
20/07/2022 10:30	2.7	75	21	4.4	0.00
20/07/2022 10:40	2.3	82	27	3.6	0.00
20/07/2022 10:50	2.6	86	26	3.9	0.00
20/07/2022 11:00	2.3	77	26	4.0	0.00
20/07/2022 11:10	2.4	84	25	4.4	0.00
20/07/2022 11:20	2.7	81	20	4.6	0.00
20/07/2022 11:30	2.6	71	26	4.0	0.00
20/07/2022 11:40	2.7	80	22	4.4	0.00
20/07/2022 11:50	2.7	75	22	4.3	0.00
20/07/2022 12:00	2.7	86	23	5.0	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/07/2022 12:10	2.6	76	23	4.7	0.00
20/07/2022 12:20	2.8	64	22	4.1	0.00
20/07/2022 12:30	2.8	60	23	4.4	0.00
20/07/2022 12:40	2.9	64	21	4.2	0.00
20/07/2022 12:50	2.8	62	23	4.3	0.00
20/07/2022 13:00	2.6	65	24	4.3	0.00
20/07/2022 13:10	2.4	62	23	4.0	0.00
20/07/2022 13:20	2.7	61	22	5.1	0.00
20/07/2022 13:30	2.8	64	24	4.6	0.00
20/07/2022 13:40	3.0	67	22	4.7	0.00
20/07/2022 13:50	2.7	62	21	4.7	0.00
20/07/2022 14:00	2.8	63	20	4.7	0.00
20/07/2022 14:10	2.7	67	22	5.3	0.00
20/07/2022 14:20	2.7	62	24	4.4	0.00
20/07/2022 14:30	2.6	58	20	4.2	0.00
20/07/2022 14:40	3.1	49	19	4.6	0.00
20/07/2022 14:50	3.1	48	21	5.0	0.00
20/07/2022 15:00	2.9	49	24	4.8	0.00
20/07/2022 15:10	2.6	61	22	4.4	0.00
20/07/2022 15:20	2.7	65	21	4.0	0.00
20/07/2022 15:30	2.5	61	22	4.6	0.00
20/07/2022 15:40	2.3	65	21	3.5	0.00
20/07/2022 15:50	2.1	56	20	3.3	0.00
20/07/2022 16:00	2.0	54	20	3.2	0.00
20/07/2022 16:10	2.2	65	22	3.5	0.00
20/07/2022 16:20	2.5	61	22	4.1	0.00
20/07/2022 16:30	2.1	64	23	3.3	0.00
20/07/2022 16:40	2.1	55	22	3.6	0.00
20/07/2022 16:50	1.9	54	25	3.4	0.00
20/07/2022 17:00	1.9	55	20	2.9	0.00
20/07/2022 17:10	1.9	51	20	2.8	0.00
20/07/2022 17:20	1.7	53	19	2.8	0.00
20/07/2022 17:30	1.4	55	20	1.9	0.00
20/07/2022 17:40	1.1	42	18	1.8	0.00
20/07/2022 17:50	1.2	36	16	1.8	0.00
20/07/2022 18:00	1.3	44	19	1.8	0.00
20/07/2022 18:10	1.2	43	15	1.7	0.00
20/07/2022 18:20	1.1	36	17	1.5	0.00
20/07/2022 18:30	1.0	38	14	1.4	0.00
20/07/2022 18:40	1.0	40	13	1.4	0.00
20/07/2022 18:50	1.1	35	12	1.5	0.00
20/07/2022 19:00	0.9	22	16	1.2	0.00
20/07/2022 19:10	0.8	23	12	1.0	0.00
20/07/2022 19:20	0.9	28	6	1.1	0.00
20/07/2022 19:30	0.9	22	10	1.1	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/07/2022 19:40	0.9	20	10	1.2	0.00
20/07/2022 19:50	0.9	15	11	1.1	0.00
20/07/2022 20:00	0.8	181	17	1.1	0.00
20/07/2022 20:10	0.8	356	18	1.0	0.00
20/07/2022 20:20	0.8	354	15	1.2	0.00
20/07/2022 20:30	0.5	230	34	0.8	0.00
20/07/2022 20:40	0.4	260	15	0.6	0.00
20/07/2022 20:50	0.5	301	16	0.7	0.00
20/07/2022 21:00	0.1	355	3	0.5	0.00
20/07/2022 21:10	0.5	349	6	0.8	0.00
20/07/2022 21:20	0.9	344	7	1.2	0.00
20/07/2022 21:30	0.7	181	16	1.0	0.00
20/07/2022 21:40	0.8	345	8	1.0	0.00
20/07/2022 21:50	0.8	352	10	1.1	0.00
20/07/2022 22:00	0.9	348	8	1.2	0.00
20/07/2022 22:10	1.0	348	11	1.2	0.00
20/07/2022 22:20	0.9	349	8	1.1	0.00
20/07/2022 22:30	0.9	345	6	1.1	0.00
20/07/2022 22:40	0.8	338	11	1.1	0.00
20/07/2022 22:50	1.0	334	7	1.2	0.00
20/07/2022 23:00	1.0	327	8	1.2	0.00
20/07/2022 23:10	0.9	335	13	1.3	0.00
20/07/2022 23:20	1.1	321	11	1.5	0.00
20/07/2022 23:30	0.2	178	13	0.8	0.00
20/07/2022 23:40	0.7	346	18	1.2	0.00
20/07/2022 23:50	1.1	330	13	1.5	0.00
21/07/2022 00:00	1.2	331	11	1.6	0.00
21/07/2022 00:10	0.6	321	27	0.9	0.00
21/07/2022 00:20	0.6	304	33	1.6	0.00
21/07/2022 00:30	1.2	268	30	1.8	0.00
21/07/2022 00:40	0.5	185	24	0.8	0.00
21/07/2022 00:50	0.6	231	40	0.9	0.00
21/07/2022 01:00	1.2	334	26	1.7	0.00
21/07/2022 01:10	1.1	178	34	1.8	0.00
21/07/2022 01:20	0.8	165	57	1.4	0.00
21/07/2022 01:30	0.4	216	30	0.8	0.00
21/07/2022 01:40	0.3	165	26	0.8	0.00
21/07/2022 01:50	0.4	325	24	0.8	0.00
21/07/2022 02:00	0.3	333	12	0.8	0.00
21/07/2022 02:10	0.1	140	10	0.6	0.00
21/07/2022 02:20	0.2	137	8	0.6	0.00
21/07/2022 02:30	0.2	178	24	0.6	0.00
21/07/2022 02:40	0.3	193	33	0.6	0.00
21/07/2022 02:50	0.2	165	11	0.8	0.00
21/07/2022 03:00	0.6	304	24	1.1	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/07/2022 03:10	0.7	186	13	1.3	0.00
21/07/2022 03:20	0.7	331	21	1.1	0.00
21/07/2022 03:30	0.8	346	18	1.2	0.00
21/07/2022 03:40	0.2	312	10	0.8	0.00
21/07/2022 03:50	0.2	287	14	0.6	0.00
21/07/2022 04:00	0.8	299	17	1.5	0.00
21/07/2022 04:10	1.4	283	17	1.8	0.00
21/07/2022 04:20	0.8	272	17	1.2	0.00
21/07/2022 04:30	0.2	286	30	0.8	0.00
21/07/2022 04:40	0.5	186	18	0.8	0.00
21/07/2022 04:50	0.4	73	48	0.8	0.00
21/07/2022 05:00	1.2	246	52	2.6	0.00
21/07/2022 05:10	1.9	271	20	2.8	0.00
21/07/2022 05:20	2.0	263	16	2.8	0.00
21/07/2022 05:30	2.0	260	17	2.8	0.00
21/07/2022 05:40	2.3	267	14	3.1	0.00
21/07/2022 05:50	2.5	268	15	3.4	0.00
21/07/2022 06:00	2.3	270	15	3.2	0.00
21/07/2022 06:10	2.1	275	17	2.7	0.00
21/07/2022 06:20	2.1	273	17	2.9	0.00
21/07/2022 06:30	2.1	271	16	2.9	0.00
21/07/2022 06:40	2.0	264	17	2.8	0.00
21/07/2022 06:50	2.2	263	14	3.0	0.00
21/07/2022 07:00	2.2	261	15	3.1	0.00
21/07/2022 07:10	2.1	258	16	3.2	0.00
21/07/2022 07:20	1.9	260	16	2.8	0.00
21/07/2022 07:30	1.7	255	16	2.5	0.00
21/07/2022 07:40	1.8	252	17	2.4	0.00
21/07/2022 07:50	2.0	250	18	2.8	0.00
21/07/2022 08:00	1.8	240	17	2.5	0.00
21/07/2022 08:10	1.6	234	19	2.4	0.00
21/07/2022 08:20	1.7	235	22	2.4	0.00
21/07/2022 08:30	1.6	230	20	2.8	0.00
21/07/2022 08:40	1.9	218	18	2.9	0.00
21/07/2022 08:50	2.0	214	21	2.8	0.00
21/07/2022 09:00	2.0	212	19	3.0	0.00
21/07/2022 09:10	1.9	202	19	3.1	0.00
21/07/2022 09:20	1.9	203	24	2.7	0.00
21/07/2022 09:30	1.8	195	32	2.6	0.00
21/07/2022 09:40	1.5	194	30	2.2	0.00
21/07/2022 09:50	1.6	257	26	2.4	0.00
21/07/2022 10:00	1.5	200	57	2.8	0.00
21/07/2022 10:10	1.5	126	26	2.4	0.00
21/07/2022 10:20	1.3	115	27	2.0	0.00
21/07/2022 10:30	1.6	75	29	2.4	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/07/2022 10:40	1.3	70	25	2.0	0.00
21/07/2022 10:50	1.3	79	24	2.1	0.00
21/07/2022 11:00	1.4	72	29	2.4	0.00
21/07/2022 11:10	1.2	77	25	2.1	0.00
21/07/2022 11:20	1.7	77	28	2.6	0.00
21/07/2022 11:30	1.4	79	31	2.0	0.00
21/07/2022 11:40	1.7	73	30	2.5	0.00
21/07/2022 11:50	1.5	133	47	2.3	0.00
21/07/2022 12:00	1.2	149	64	2.3	0.00
21/07/2022 12:10	1.6	118	47	2.6	0.00
21/07/2022 12:20	1.8	52	25	2.5	0.00
21/07/2022 12:30	1.7	54	26	2.4	0.00
21/07/2022 12:40	1.5	58	24	2.4	0.00
21/07/2022 12:50	1.2	109	36	1.9	0.00
21/07/2022 13:00	2.1	227	28	3.6	0.00
21/07/2022 13:10	2.4	244	20	3.6	0.00
21/07/2022 13:20	2.4	246	25	3.4	0.00
21/07/2022 13:30	2.4	248	24	3.2	0.00
21/07/2022 13:40	2.5	246	15	3.6	0.00
21/07/2022 13:50	2.6	246	17	3.7	0.00
21/07/2022 14:00	2.4	232	30	3.9	0.00
21/07/2022 14:10	2.1	260	29	3.4	0.00
21/07/2022 14:20	2.1	258	27	3.8	0.00
21/07/2022 14:30	2.4	250	22	3.8	0.00
21/07/2022 14:40	2.6	246	21	3.9	0.00
21/07/2022 14:50	2.5	243	21	3.8	0.00
21/07/2022 15:00	1.9	285	30	3.6	0.00
21/07/2022 15:10	1.9	307	34	3.5	0.00
21/07/2022 15:20	1.5	309	45	3.0	0.00
21/07/2022 15:30	1.5	306	47	2.2	0.00
21/07/2022 15:40	1.9	303	31	3.2	0.00
21/07/2022 15:50	1.9	322	34	3.4	0.00
21/07/2022 16:00	2.0	323	28	3.4	0.00
21/07/2022 16:10	1.7	321	39	2.8	0.00
21/07/2022 16:20	1.9	332	23	3.2	0.00
21/07/2022 16:30	1.9	322	31	3.3	0.00
21/07/2022 16:40	1.9	318	25	3.1	0.00
21/07/2022 16:50	1.9	331	27	2.8	0.00
21/07/2022 17:00	2.1	318	20	3.3	0.00
21/07/2022 17:10	2.0	321	29	3.1	0.00
21/07/2022 17:20	2.3	339	19	3.4	0.00
21/07/2022 17:30	1.9	342	23	3.3	0.00
21/07/2022 17:40	1.7	173	33	3.0	0.00
21/07/2022 17:50	1.9	185	25	3.1	0.00
21/07/2022 18:00	1.5	170	31	2.4	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/07/2022 18:10	1.9	349	30	2.8	0.00
21/07/2022 18:20	1.8	346	26	3.7	0.00
21/07/2022 18:30	2.0	347	26	3.4	0.00
21/07/2022 18:40	2.2	357	28	4.0	0.00
21/07/2022 18:50	1.8	349	26	2.9	0.00
21/07/2022 19:00	2.0	338	27	3.3	0.00
21/07/2022 19:10	1.6	294	29	2.5	0.00
21/07/2022 19:20	1.9	323	30	2.8	0.00
21/07/2022 19:30	1.6	348	26	2.7	0.00
21/07/2022 19:40	1.6	339	21	2.4	0.00
21/07/2022 19:50	1.6	321	20	2.5	0.00
21/07/2022 20:00	1.5	317	23	2.3	0.00
21/07/2022 20:10	1.5	338	31	2.4	0.00
21/07/2022 20:20	1.5	340	23	2.6	0.00
21/07/2022 20:30	1.8	345	20	2.6	0.00
21/07/2022 20:40	1.7	341	22	2.8	0.00
21/07/2022 20:50	1.2	311	40	2.2	0.00
21/07/2022 21:00	1.3	314	30	2.0	0.00
21/07/2022 21:10	1.5	319	23	2.2	0.00
21/07/2022 21:20	1.1	320	37	1.9	0.00
21/07/2022 21:30	1.0	271	34	1.9	0.00
21/07/2022 21:40	0.9	246	36	1.6	0.00
21/07/2022 21:50	1.3	241	22	2.0	0.00
21/07/2022 22:00	1.4	241	14	1.9	0.00
21/07/2022 22:10	1.4	252	20	2.0	0.00
21/07/2022 22:20	1.4	254	18	2.2	0.00
21/07/2022 22:30	1.2	271	21	2.0	0.00
21/07/2022 22:40	1.3	268	14	2.0	0.00
21/07/2022 22:50	1.4	256	19	2.2	0.00
21/07/2022 23:00	1.4	263	18	2.0	0.00
21/07/2022 23:10	1.4	278	20	2.1	0.00
21/07/2022 23:20	1.4	258	23	3.1	0.00
21/07/2022 23:30	1.3	260	13	1.6	0.00
21/07/2022 23:40	1.2	269	12	1.6	0.00
21/07/2022 23:50	1.1	286	19	1.6	0.00
22/07/2022 00:00	1.0	272	18	1.5	0.00
22/07/2022 00:10	1.1	270	16	1.7	0.00
22/07/2022 00:20	1.1	269	15	1.6	0.00
22/07/2022 00:30	1.0	275	20	1.6	0.00
22/07/2022 00:40	1.1	290	16	1.8	0.00
22/07/2022 00:50	1.1	277	17	1.9	0.00
22/07/2022 01:00	1.3	274	20	1.9	0.00
22/07/2022 01:10	1.1	306	23	1.9	0.00
22/07/2022 01:20	1.0	281	25	1.7	0.00
22/07/2022 01:30	1.2	276	17	1.6	0.00





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/07/2022 01:40	1.3	274	20	1.9	0.00
22/07/2022 01:50	1.2	280	21	2.0	0.00
22/07/2022 02:00	1.3	273	19	2.0	0.00
22/07/2022 02:10	1.2	278	20	1.9	0.00
22/07/2022 02:20	1.2	276	17	1.8	0.00
22/07/2022 02:30	1.4	273	21	2.1	0.00
22/07/2022 02:40	1.3	259	13	1.8	0.00
22/07/2022 02:50	1.5	256	10	1.9	0.00
22/07/2022 03:00	1.5	257	12	2.0	0.00
22/07/2022 03:10	1.4	277	13	2.0	0.00
22/07/2022 03:20	1.4	284	12	1.8	0.00
22/07/2022 03:30	1.3	290	12	1.6	0.00
22/07/2022 03:40	1.4	279	16	2.0	0.00
22/07/2022 03:50	1.3	266	17	1.9	0.00
22/07/2022 04:00	1.6	272	17	2.1	0.00
22/07/2022 04:10	1.4	281	22	2.2	0.00
22/07/2022 04:20	1.4	276	18	2.1	0.00
22/07/2022 04:30	1.7	266	13	2.2	0.00
22/07/2022 04:40	1.5	263	12	2.4	0.00
22/07/2022 04:50	1.4	256	15	2.0	0.00
22/07/2022 05:00	1.7	253	15	2.5	0.00
22/07/2022 05:10	1.5	257	16	2.2	0.00
22/07/2022 05:20	1.6	261	17	2.2	0.00
22/07/2022 05:30	1.7	265	12	2.4	0.00
22/07/2022 05:40	1.7	255	16	2.5	0.00
22/07/2022 05:50	1.8	264	14	2.6	0.00
22/07/2022 06:00	1.8	273	14	2.4	0.00
22/07/2022 06:10	1.8	270	18	2.4	0.00
22/07/2022 06:20	1.6	271	17	2.4	0.00
22/07/2022 06:30	1.6	271	14	2.3	0.00
22/07/2022 06:40	1.5	270	14	2.1	0.00
22/07/2022 06:50	1.5	269	17	2.0	0.00
22/07/2022 07:00	1.6	266	12	2.2	0.00
22/07/2022 07:10	1.6	263	13	2.2	0.00
22/07/2022 07:20	1.6	269	13	2.1	0.00
22/07/2022 07:30	1.8	263	11	2.2	0.00
22/07/2022 07:40	1.8	259	12	2.4	0.00
22/07/2022 07:50	1.7	262	11	2.2	0.00
22/07/2022 08:00	1.6	257	14	2.1	0.00
22/07/2022 08:10	1.3	261	16	1.9	0.00
22/07/2022 08:20	1.4	262	24	2.0	0.00
22/07/2022 08:30	1.4	254	15	2.1	0.00
22/07/2022 08:40	1.7	252	19	2.4	0.00
22/07/2022 08:50	1.7	251	20	2.3	0.00
22/07/2022 09:00	1.1	274	42	1.8	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/07/2022 09:10	1.6	241	24	2.4	0.00
22/07/2022 09:20	1.8	244	18	2.7	0.00
22/07/2022 09:30	2.0	249	21	3.2	0.00
22/07/2022 09:40	1.7	265	31	2.6	0.00
22/07/2022 09:50	1.6	275	52	2.9	0.00
22/07/2022 10:00	1.9	248	29	3.1	0.00
22/07/2022 10:10	2.4	247	22	3.4	0.00
22/07/2022 10:20	3.1	252	18	4.2	0.00
22/07/2022 10:30	3.4	248	17	4.7	0.00
22/07/2022 10:40	3.3	250	16	4.5	0.00
22/07/2022 10:50	2.8	246	17	3.9	0.00
22/07/2022 11:00	2.6	252	21	3.7	0.00
22/07/2022 11:10	2.8	245	16	3.9	0.00
22/07/2022 11:20	2.8	246	16	3.6	0.00
22/07/2022 11:30	2.2	243	18	3.4	0.00
22/07/2022 11:40	2.6	241	26	3.9	0.00
22/07/2022 11:50	2.4	250	27	3.8	0.00
22/07/2022 12:00	2.4	250	25	3.8	0.00
22/07/2022 12:10	2.5	239	21	3.6	0.00
22/07/2022 12:20	2.2	260	37	3.6	0.00
22/07/2022 12:30	2.0	257	35	3.1	0.00
22/07/2022 12:40	2.0	269	39	3.5	0.00
22/07/2022 12:50	1.9	312	45	3.2	0.00
22/07/2022 13:00	2.1	289	40	3.8	0.00
22/07/2022 13:10	2.1	316	48	3.6	0.00
22/07/2022 13:20	2.0	285	38	3.0	0.00
22/07/2022 13:30	2.2	287	43	3.6	0.00
22/07/2022 13:40	2.7	323	28	4.2	0.00
22/07/2022 13:50	2.4	331	27	3.9	0.00
22/07/2022 14:00	2.6	322	35	4.0	0.00
22/07/2022 14:10	2.5	301	36	3.8	0.00
22/07/2022 14:20	2.5	322	39	4.2	0.00
22/07/2022 14:30	2.9	330	26	4.5	0.00
22/07/2022 14:40	2.4	283	49	4.5	0.00
22/07/2022 14:50	2.5	290	37	4.5	0.00
22/07/2022 15:00	2.7	321	34	4.3	0.00
22/07/2022 15:10	2.9	316	32	4.6	0.00
22/07/2022 15:20	2.4	314	38	4.2	0.00
22/07/2022 15:30	2.8	315	28	4.8	0.00
22/07/2022 15:40	2.9	322	32	4.9	0.00
22/07/2022 15:50	2.7	314	32	5.0	0.00
22/07/2022 16:00	2.6	317	38	4.4	0.00
22/07/2022 16:10	3.0	315	33	4.6	0.00
22/07/2022 16:20	3.0	319	28	5.0	0.00
22/07/2022 16:30	2.6	312	32	4.8	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/07/2022 16:40	2.2	291	43	4.5	0.00
22/07/2022 16:50	2.7	314	32	4.4	0.00
22/07/2022 17:00	2.2	278	37	4.0	0.00
22/07/2022 17:10	2.2	266	32	3.8	0.00
22/07/2022 17:20	2.3	272	35	4.0	0.00
22/07/2022 17:30	2.4	259	26	4.0	0.00
22/07/2022 17:40	1.9	276	33	3.6	0.00
22/07/2022 17:50	2.4	259	23	4.0	0.00
22/07/2022 18:00	2.5	265	28	3.8	0.00
22/07/2022 18:10	2.2	260	21	3.9	0.00
22/07/2022 18:20	2.8	252	13	3.7	0.00
22/07/2022 18:30	2.9	254	18	4.1	0.00
22/07/2022 18:40	3.3	254	14	4.7	0.00
22/07/2022 18:50	2.2	262	21	3.2	0.00
22/07/2022 19:00	2.6	254	17	4.2	0.00
22/07/2022 19:10	2.2	261	21	3.4	0.00
22/07/2022 19:20	2.1	262	18	3.1	0.00
22/07/2022 19:30	1.9	264	18	3.2	0.00
22/07/2022 19:40	2.1	262	20	3.6	0.00
22/07/2022 19:50	2.3	257	18	3.3	0.00
22/07/2022 20:00	1.9	268	22	3.0	0.00
22/07/2022 20:10	1.9	265	22	2.8	0.00
22/07/2022 20:20	2.1	262	21	3.2	0.00
22/07/2022 20:30	1.7	269	24	2.8	0.00
22/07/2022 20:40	2.4	260	19	3.8	0.00
22/07/2022 20:50	2.5	260	19	4.0	0.00
22/07/2022 21:00	2.3	255	19	3.5	0.00
22/07/2022 21:10	2.3	256	23	4.0	0.00
22/07/2022 21:20	2.6	252	14	4.5	0.00
22/07/2022 21:30	2.7	251	16	4.3	0.00
22/07/2022 21:40	2.6	252	15	3.9	0.00
22/07/2022 21:50	2.6	251	17	3.6	0.00
22/07/2022 22:00	3.1	250	15	4.2	0.00
22/07/2022 22:10	2.8	253	16	4.2	0.00
22/07/2022 22:20	2.5	255	15	3.6	0.00
22/07/2022 22:30	2.5	253	16	3.8	0.00
22/07/2022 22:40	2.8	252	17	4.0	0.00
22/07/2022 22:50	3.0	256	18	4.7	0.00
22/07/2022 23:00	2.8	257	16	4.3	0.00
22/07/2022 23:10	2.2	253	17	3.4	0.00
22/07/2022 23:20	2.6	255	16	4.2	0.00
22/07/2022 23:30	2.6	254	17	4.2	0.00
22/07/2022 23:40	2.5	254	17	3.8	0.00
22/07/2022 23:50	2.5	253	16	3.8	0.00
23/07/2022 00:00	3.0	254	14	4.8	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/07/2022 00:10	2.6	253	16	3.9	0.00
23/07/2022 00:20	2.3	250	15	3.4	0.00
23/07/2022 00:30	1.9	248	17	3.2	0.00
23/07/2022 00:40	2.7	254	15	3.8	0.00
23/07/2022 00:50	2.9	256	16	4.0	0.00
23/07/2022 01:00	3.0	253	14	4.4	0.00
23/07/2022 01:10	2.9	257	15	4.4	0.00
23/07/2022 01:20	2.3	252	17	3.3	0.00
23/07/2022 01:30	2.7	252	16	4.0	0.00
23/07/2022 01:40	2.5	252	17	3.8	0.00
23/07/2022 01:50	2.3	259	15	3.8	0.00
23/07/2022 02:00	2.4	255	16	4.0	0.00
23/07/2022 02:10	2.4	256	19	3.6	0.00
23/07/2022 02:20	2.6	256	19	3.9	0.00
23/07/2022 02:30	2.3	255	18	3.6	0.00
23/07/2022 02:40	2.0	258	18	3.6	0.00
23/07/2022 02:50	2.5	256	15	3.5	0.00
23/07/2022 03:00	2.5	255	19	3.7	0.00
23/07/2022 03:10	2.6	254	16	4.1	0.00
23/07/2022 03:20	2.5	249	15	3.9	0.00
23/07/2022 03:30	1.8	247	18	2.8	0.00
23/07/2022 03:40	1.4	248	18	2.7	0.00
23/07/2022 03:50	0.9	251	16	1.7	0.00
23/07/2022 04:00	1.3	262	13	1.7	0.00
23/07/2022 04:10	1.3	271	18	2.0	0.00
23/07/2022 04:20	1.4	262	15	2.0	0.00
23/07/2022 04:30	1.7	265	17	2.5	0.00
23/07/2022 04:40	1.7	262	16	2.5	0.00
23/07/2022 04:50	1.9	264	12	2.8	0.00
23/07/2022 05:00	2.3	261	11	3.2	0.00
23/07/2022 05:10	1.8	258	15	2.8	0.00
23/07/2022 05:20	1.4	257	15	2.0	0.00
23/07/2022 05:30	1.6	272	16	2.8	0.00
23/07/2022 05:40	1.8	267	19	2.5	0.00
23/07/2022 05:50	1.6	271	15	2.1	0.00
23/07/2022 06:00	1.5	266	13	2.0	0.00
23/07/2022 06:10	1.5	274	17	2.2	0.00
23/07/2022 06:20	1.9	263	18	2.6	0.00
23/07/2022 06:30	2.1	260	14	3.1	0.00
23/07/2022 06:40	2.2	262	16	3.2	0.00
23/07/2022 06:50	2.1	264	17	3.1	0.00
23/07/2022 07:00	1.7	256	15	2.6	0.00
23/07/2022 07:10	1.2	260	12	1.6	0.00
23/07/2022 07:20	1.4	257	19	2.0	0.00
23/07/2022 07:30	1.5	250	20	2.4	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/07/2022 07:40	1.6	259	18	2.4	0.00
23/07/2022 07:50	2.0	231	20	2.7	0.00
23/07/2022 08:00	2.1	245	22	3.0	0.00
23/07/2022 08:10	2.6	252	16	3.8	0.00
23/07/2022 08:20	2.9	256	19	4.0	0.00
23/07/2022 08:30	3.3	249	18	4.6	0.00
23/07/2022 08:40	3.2	253	17	4.9	0.00
23/07/2022 08:50	3.3	252	17	4.6	0.00
23/07/2022 09:00	3.0	252	17	4.5	0.00
23/07/2022 09:10	3.4	252	16	4.4	0.00
23/07/2022 09:20	3.4	252	14	4.6	0.00
23/07/2022 09:30	3.5	247	15	4.9	0.00
23/07/2022 09:40	3.7	257	16	5.5	0.00
23/07/2022 09:50	4.0	253	15	5.6	0.00
23/07/2022 10:00	3.9	261	13	5.6	0.00
23/07/2022 10:10	4.0	258	16	5.5	0.00
23/07/2022 10:20	4.0	255	15	5.3	0.00
23/07/2022 10:30	4.2	252	18	6.5	0.00
23/07/2022 10:40	4.1	239	21	5.8	0.00
23/07/2022 10:50	4.4	234	23	6.9	0.00
23/07/2022 11:00	3.9	243	18	5.6	0.00
23/07/2022 11:10	3.5	256	22	5.1	0.00
23/07/2022 11:20	3.9	253	17	5.7	0.00
23/07/2022 11:30	3.3	261	23	4.9	0.00
23/07/2022 11:40	3.9	259	19	5.9	0.00
23/07/2022 11:50	4.3	253	19	6.6	0.00
23/07/2022 12:00	4.4	249	15	6.6	0.00
23/07/2022 12:10	4.1	259	21	6.4	0.00
23/07/2022 12:20	4.3	255	16	6.1	0.00
23/07/2022 12:30	4.2	260	20	6.7	0.00
23/07/2022 12:40	4.1	262	19	6.0	0.00
23/07/2022 12:50	4.0	260	17	6.3	0.00
23/07/2022 13:00	4.3	258	20	6.8	0.00
23/07/2022 13:10	4.6	254	20	6.8	0.00
23/07/2022 13:20	4.7	249	20	7.2	0.00
23/07/2022 13:30	4.8	252	17	6.4	0.00
23/07/2022 13:40	4.7	254	19	7.2	0.00
23/07/2022 13:50	4.7	251	19	6.8	0.00
23/07/2022 14:00	4.4	258	21	7.2	0.00
23/07/2022 14:10	4.4	258	19	6.9	0.00
23/07/2022 14:20	4.9	249	15	7.5	0.00
23/07/2022 14:30	5.1	250	15	7.9	0.00
23/07/2022 14:40	4.7	255	19	7.3	0.00
23/07/2022 14:50	5.7	246	16	7.7	0.00
23/07/2022 15:00	5.4	249	17	8.2	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/07/2022 15:10	5.2	249	20	7.8	0.00
23/07/2022 15:20	4.5	257	18	7.2	0.00
23/07/2022 15:30	5.5	250	17	8.0	0.00
23/07/2022 15:40	5.3	252	17	7.4	0.00
23/07/2022 15:50	4.5	254	21	6.9	0.00
23/07/2022 16:00	5.2	250	16	7.2	0.00
23/07/2022 16:10	5.1	248	18	7.5	0.00
23/07/2022 16:20	4.6	249	18	6.8	0.00
23/07/2022 16:30	4.8	251	17	7.1	0.00
23/07/2022 16:40	5.0	249	15	7.5	0.00
23/07/2022 16:50	4.5	250	19	6.9	0.00
23/07/2022 17:00	4.8	253	18	6.9	0.00
23/07/2022 17:10	4.7	249	18	6.8	0.00
23/07/2022 17:20	4.4	250	17	6.7	0.00
23/07/2022 17:30	3.7	260	18	5.5	0.00
23/07/2022 17:40	3.5	258	19	5.5	0.00
23/07/2022 17:50	3.5	256	19	5.3	0.00
23/07/2022 18:00	3.8	252	18	6.1	0.00
23/07/2022 18:10	3.8	253	18	5.7	0.00
23/07/2022 18:20	3.8	255	18	6.4	0.00
23/07/2022 18:30	4.2	258	16	6.8	0.00
23/07/2022 18:40	4.1	254	16	6.2	0.00
23/07/2022 18:50	3.8	254	15	6.0	0.00
23/07/2022 19:00	3.7	255	19	6.2	0.00
23/07/2022 19:10	3.2	252	18	5.7	0.00
23/07/2022 19:20	3.2	253	18	5.2	0.00
23/07/2022 19:30	3.2	256	18	5.9	0.00
23/07/2022 19:40	4.2	244	17	6.5	0.00
23/07/2022 19:50	4.1	246	18	6.4	0.00
23/07/2022 20:00	4.4	244	16	6.6	0.00
23/07/2022 20:10	4.2	243	18	6.0	0.00
23/07/2022 20:20	4.2	245	17	6.3	0.00
23/07/2022 20:30	4.1	240	16	7.2	0.00
23/07/2022 20:40	3.8	244	17	5.2	0.00
23/07/2022 20:50	3.5	244	19	5.2	0.00
23/07/2022 21:00	3.3	241	18	5.0	0.00
23/07/2022 21:10	3.3	238	16	4.8	0.00
23/07/2022 21:20	3.1	235	19	5.0	0.00
23/07/2022 21:30	3.7	234	16	5.4	0.00
23/07/2022 21:40	3.3	241	17	4.8	0.00
23/07/2022 21:50	3.0	244	16	4.0	0.00
23/07/2022 22:00	3.3	244	19	4.6	0.00
23/07/2022 22:10	3.4	244	19	5.3	0.00
23/07/2022 22:20	3.6	242	17	5.1	0.00
23/07/2022 22:30	3.3	242	18	4.8	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/07/2022 22:40	2.8	240	21	4.3	0.00
23/07/2022 22:50	2.6	229	19	4.7	0.00
23/07/2022 23:00	3.0	227	19	4.7	0.00
23/07/2022 23:10	2.7	227	16	4.4	0.00
23/07/2022 23:20	3.0	227	16	4.4	0.00
23/07/2022 23:30	3.2	226	15	5.4	0.00
23/07/2022 23:40	2.7	224	18	4.2	0.00
23/07/2022 23:50	3.4	229	16	4.6	0.00
24/07/2022 00:00	3.3	225	17	4.7	0.00
24/07/2022 00:10	2.9	228	17	5.1	0.00
24/07/2022 00:20	2.9	226	20	4.9	0.00
24/07/2022 00:30	3.2	223	15	4.8	0.00
24/07/2022 00:40	3.0	227	17	4.7	0.00
24/07/2022 00:50	2.6	232	19	4.0	0.00
24/07/2022 01:00	2.5	234	18	4.0	0.00
24/07/2022 01:10	3.0	243	15	4.3	0.00
24/07/2022 01:20	2.9	243	16	4.8	0.00
24/07/2022 01:30	2.6	238	22	3.9	0.00
24/07/2022 01:40	2.9	228	15	4.0	0.00
24/07/2022 01:50	2.5	230	19	4.1	0.00
24/07/2022 02:00	3.2	225	16	4.9	0.00
24/07/2022 02:10	3.2	229	16	4.8	0.00
24/07/2022 02:20	2.7	233	18	4.0	0.00
24/07/2022 02:30	2.9	228	16	4.4	0.00
24/07/2022 02:40	3.0	227	17	4.4	0.00
24/07/2022 02:50	2.8	228	18	4.9	0.00
24/07/2022 03:00	2.8	228	15	4.2	0.00
24/07/2022 03:10	2.9	227	14	4.6	0.00
24/07/2022 03:20	2.9	229	15	4.3	0.00
24/07/2022 03:30	2.8	226	14	4.5	0.00
24/07/2022 03:40	3.1	228	21	4.6	0.00
24/07/2022 03:50	3.0	226	15	4.3	0.00
24/07/2022 04:00	2.9	227	19	4.3	0.00
24/07/2022 04:10	3.0	225	15	4.8	0.00
24/07/2022 04:20	2.7	231	16	3.6	0.00
24/07/2022 04:30	2.9	225	15	4.8	0.00
24/07/2022 04:40	3.4	220	15	4.8	0.00
24/07/2022 04:50	2.8	219	16	4.3	0.00
24/07/2022 05:00	2.9	223	16	4.9	0.00
24/07/2022 05:10	2.9	216	19	4.8	0.00
24/07/2022 05:20	2.7	211	20	4.4	0.00
24/07/2022 05:30	2.7	203	17	4.3	0.00
24/07/2022 05:40	2.9	206	18	4.1	0.00
24/07/2022 05:50	2.4	198	16	3.7	0.00
24/07/2022 06:00	2.5	199	18	4.2	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/07/2022 06:10	2.7	197	15	4.2	0.00
24/07/2022 06:20	2.7	194	17	4.4	0.00
24/07/2022 06:30	2.7	196	17	4.0	0.00
24/07/2022 06:40	3.1	197	20	5.6	0.00
24/07/2022 06:50	3.6	195	17	6.0	0.00
24/07/2022 07:00	2.9	194	18	5.1	0.00
24/07/2022 07:10	3.2	206	22	4.7	0.00
24/07/2022 07:20	2.7	207	20	4.3	0.00
24/07/2022 07:30	2.5	211	21	3.7	0.00
24/07/2022 07:40	2.0	216	20	3.5	0.00
24/07/2022 07:50	2.7	208	21	4.3	0.00
24/07/2022 08:00	2.7	200	14	3.8	0.00
24/07/2022 08:10	2.7	196	17	4.3	0.00
24/07/2022 08:20	3.1	193	16	4.8	0.00
24/07/2022 08:30	3.3	188	16	4.6	0.00
24/07/2022 08:40	3.4	189	16	5.1	0.00
24/07/2022 08:50	3.4	188	15	5.6	0.00
24/07/2022 09:00	3.7	190	16	5.4	0.00
24/07/2022 09:10	3.2	194	15	4.3	0.00
24/07/2022 09:20	3.7	190	13	5.6	0.00
24/07/2022 09:30	3.0	182	19	4.8	0.00
24/07/2022 09:40	2.8	163	25	4.9	0.00
24/07/2022 09:50	3.4	181	18	5.3	0.00
24/07/2022 10:00	3.1	171	25	5.6	0.00
24/07/2022 10:10	2.4	155	27	4.3	0.00
24/07/2022 10:20	3.5	179	23	5.8	0.00
24/07/2022 10:30	4.0	184	18	6.0	0.00
24/07/2022 10:40	3.8	182	23	5.8	0.00
24/07/2022 10:50	3.2	173	25	5.3	0.00
24/07/2022 11:00	3.5	176	24	6.0	0.00
24/07/2022 11:10	2.8	162	27	4.3	0.00
24/07/2022 11:20	2.8	168	24	5.1	0.00
24/07/2022 11:30	3.3	179	25	5.9	0.00
24/07/2022 11:40	2.7	161	29	4.4	0.00
24/07/2022 11:50	2.9	158	32	4.8	0.00
24/07/2022 12:00	2.7	156	30	4.8	0.00
24/07/2022 12:10	2.8	164	31	5.0	0.00
24/07/2022 12:20	2.5	154	31	4.5	0.00
24/07/2022 12:30	2.5	154	30	4.3	0.00
24/07/2022 12:40	2.3	139	28	3.7	0.00
24/07/2022 12:50	2.2	132	30	3.8	0.00
24/07/2022 13:00	1.8	130	25	3.0	0.00
24/07/2022 13:10	1.6	134	34	2.6	0.00
24/07/2022 13:20	1.8	129	32	3.0	0.00
24/07/2022 13:30	1.9	145	31	3.9	0.00





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/07/2022 13:40	1.8	122	34	3.2	0.00
24/07/2022 13:50	1.6	92	28	2.8	0.00
24/07/2022 14:00	1.5	110	33	2.9	0.00
24/07/2022 14:10	1.6	130	37	2.8	0.00
24/07/2022 14:20	1.8	138	39	2.9	0.00
24/07/2022 14:30	1.6	166	38	2.7	0.00
24/07/2022 14:40	1.5	140	29	2.4	0.00
24/07/2022 14:50	1.8	97	31	3.3	0.00
24/07/2022 15:00	1.4	93	43	2.6	0.00
24/07/2022 15:10	2.0	55	24	3.6	0.00
24/07/2022 15:20	1.3	52	25	2.2	0.00
24/07/2022 15:30	2.0	55	26	3.6	0.00
24/07/2022 15:40	1.7	65	21	2.9	0.00
24/07/2022 15:50	1.9	61	21	2.9	0.00
24/07/2022 16:00	1.7	56	18	2.7	0.00
24/07/2022 16:10	2.4	48	17	3.6	0.00
24/07/2022 16:20	2.1	38	25	3.5	0.00
24/07/2022 16:30	2.7	17	31	4.4	0.00
24/07/2022 16:40	3.0	22	22	5.1	0.00
24/07/2022 16:50	2.6	352	34	4.4	0.00
24/07/2022 17:00	2.3	350	32	4.0	0.00
24/07/2022 17:10	1.8	171	42	3.7	0.00
24/07/2022 17:20	2.0	341	36	4.4	0.00
24/07/2022 17:30	1.7	345	37	3.1	0.00
24/07/2022 17:40	2.0	344	38	4.0	0.00
24/07/2022 17:50	2.1	349	40	3.6	0.00
24/07/2022 18:00	1.7	340	44	3.2	0.00
24/07/2022 18:10	1.6	330	46	3.3	0.00
24/07/2022 18:20	2.4	324	27	4.5	0.00
24/07/2022 18:30	2.2	305	34	3.4	0.00
24/07/2022 18:40	1.8	269	38	2.8	0.00
24/07/2022 18:50	1.7	261	26	2.8	0.00
24/07/2022 19:00	1.5	262	26	2.4	0.00
24/07/2022 19:10	1.2	265	31	2.2	0.00
24/07/2022 19:20	1.7	260	24	2.5	0.00
24/07/2022 19:30	1.4	267	35	2.3	0.00
24/07/2022 19:40	1.5	260	24	2.2	0.00
24/07/2022 19:50	1.4	260	26	2.3	0.00
24/07/2022 20:00	1.6	253	16	2.3	0.00
24/07/2022 20:10	1.3	249	22	2.1	0.00
24/07/2022 20:20	1.4	245	13	1.8	0.00
24/07/2022 20:30	0.9	253	23	1.3	0.00
24/07/2022 20:40	0.9	255	13	1.4	0.00
24/07/2022 20:50	1.0	248	22	1.6	0.00
24/07/2022 21:00	0.7	185	48	1.2	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/07/2022 21:10	0.3	151	38	1.1	0.00
24/07/2022 21:20	0.8	71	41	1.4	0.00
24/07/2022 21:30	0.8	307	60	1.7	0.00
24/07/2022 21:40	0.8	203	56	1.4	0.00
24/07/2022 21:50	1.5	335	34	2.4	0.00
24/07/2022 22:00	1.1	209	49	1.9	0.00
24/07/2022 22:10	1.2	343	38	2.1	0.00
24/07/2022 22:20	1.2	346	34	2.6	0.00
24/07/2022 22:30	1.0	262	42	1.6	0.00
24/07/2022 22:40	0.6	217	51	1.2	0.00
24/07/2022 22:50	0.7	242	55	1.2	0.00
24/07/2022 23:00	0.6	118	43	1.0	0.00
24/07/2022 23:10	0.5	115	63	1.1	0.00
24/07/2022 23:20	0.8	314	31	1.3	0.00
24/07/2022 23:30	0.4	249	18	0.9	0.00
24/07/2022 23:40	0.8	251	23	1.2	0.00
24/07/2022 23:50	1.0	262	39	1.6	0.00
25/07/2022 00:00	0.7	289	32	1.3	0.00
25/07/2022 00:10	0.4	244	39	1.2	0.00
25/07/2022 00:20	1.1	264	18	1.6	0.00
25/07/2022 00:30	1.3	261	13	2.0	0.00
25/07/2022 00:40	0.8	227	46	1.3	0.00
25/07/2022 00:50	0.6	184	33	1.2	0.00
25/07/2022 01:00	0.7	290	7	1.8	0.00
25/07/2022 01:10	0.8	162	66	2.0	0.00
25/07/2022 01:20	0.4	220	60	0.8	0.00
25/07/2022 01:30	0.7	232	52	1.6	0.00
25/07/2022 01:40	0.5	263	61	0.9	0.00
25/07/2022 01:50	1.3	219	36	1.9	0.00
25/07/2022 02:00	1.2	185	54	2.1	0.00
25/07/2022 02:10	0.6	69	44	1.2	0.00
25/07/2022 02:20	0.5	61	58	1.2	0.00
25/07/2022 02:30	0.6	57	39	1.0	0.00
25/07/2022 02:40	0.7	43	24	1.2	0.00
25/07/2022 02:50	0.8	53	30	1.4	0.00
25/07/2022 03:00	0.7	79	39	1.2	0.00
25/07/2022 03:10	0.7	108	45	1.5	0.00
25/07/2022 03:20	0.5	50	31	0.9	0.00
25/07/2022 03:30	0.4	53	37	0.8	0.00
25/07/2022 03:40	0.3	23	25	0.8	0.00
25/07/2022 03:50	0.3	35	31	0.8	0.00
25/07/2022 04:00	0.4	218	51	1.3	0.00
25/07/2022 04:10	0.1	140	16	0.9	0.00
25/07/2022 04:20	0.2	29	15	0.5	0.00
25/07/2022 04:30	0.4	48	43	0.9	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/07/2022 04:40	0.0	48	7	0.4	0.00
25/07/2022 04:50	0.5	89	33	1.3	0.00
25/07/2022 05:00	0.1	63	11	0.6	0.00
25/07/2022 05:10	0.5	62	34	1.1	0.00
25/07/2022 05:20	0.6	67	31	0.9	0.00
25/07/2022 05:30	0.5	91	26	1.2	0.00
25/07/2022 05:40	0.8	79	34	1.2	0.00
25/07/2022 05:50	1.7	95	29	3.3	0.00
25/07/2022 06:00	2.2	96	38	4.1	0.00
25/07/2022 06:10	2.2	103	26	3.6	0.00
25/07/2022 06:20	1.6	102	27	2.7	0.00
25/07/2022 06:30	1.7	108	29	2.7	0.00
25/07/2022 06:40	1.9	108	40	4.0	0.00
25/07/2022 06:50	2.0	104	30	3.3	0.00
25/07/2022 07:00	2.0	100	31	3.2	0.00
25/07/2022 07:10	2.0	91	23	3.6	0.00
25/07/2022 07:20	2.1	97	25	3.7	0.00
25/07/2022 07:30	2.4	102	26	3.8	0.00
25/07/2022 07:40	2.4	94	31	4.5	0.00
25/07/2022 07:50	2.8	94	30	4.9	0.00
25/07/2022 08:00	3.0	96	25	5.6	0.00
25/07/2022 08:10	3.5	94	27	6.3	0.00
25/07/2022 08:20	3.3	104	29	6.4	0.00
25/07/2022 08:30	3.2	95	27	6.4	0.00
25/07/2022 08:40	3.5	91	27	6.4	0.00
25/07/2022 08:50	3.4	98	31	6.4	0.00
25/07/2022 09:00	3.6	97	31	7.0	0.00
25/07/2022 09:10	3.5	90	29	6.0	0.00
25/07/2022 09:20	4.0	82	22	7.2	0.00
25/07/2022 09:30	3.6	89	26	5.6	0.00
25/07/2022 09:40	3.9	85	20	6.2	0.00
25/07/2022 09:50	3.1	94	25	5.5	0.00
25/07/2022 10:00	3.6	85	21	5.2	0.00
25/07/2022 10:10	3.4	83	26	5.7	0.00
25/07/2022 10:20	3.0	92	26	5.2	0.00
25/07/2022 10:30	3.0	90	26	5.2	0.00
25/07/2022 10:40	3.5	92	26	5.9	0.00
25/07/2022 10:50	3.2	85	21	4.9	0.00
25/07/2022 11:00	3.4	86	24	5.3	0.00
25/07/2022 11:10	3.5	76	25	5.8	0.00
25/07/2022 11:20	3.3	77	23	5.9	0.00
25/07/2022 11:30	3.3	77	26	5.8	0.00
25/07/2022 11:40	3.3	67	24	6.0	0.00
25/07/2022 11:50	3.7	62	21	5.9	0.00
25/07/2022 12:00	3.4	61	19	5.5	0.00



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/07/2022 12:10	3.6	61	19	5.5	0.00
25/07/2022 12:20	3.2	63	23	5.1	0.00
25/07/2022 12:30	3.4	57	22	5.4	0.00
25/07/2022 12:40	3.5	58	21	5.6	0.00
25/07/2022 12:50	3.5	60	23	5.6	0.00
25/07/2022 13:00	3.2	65	20	5.6	0.00
25/07/2022 13:10	3.3	77	19	5.1	0.00
25/07/2022 13:20	3.3	64	21	5.4	0.00
25/07/2022 13:30	3.3	67	23	5.3	0.00
25/07/2022 13:40	3.3	70	23	5.4	0.00
25/07/2022 13:50	3.0	71	23	4.8	0.00
25/07/2022 14:00	3.0	66	22	5.2	0.00
25/07/2022 14:10	3.0	62	21	4.9	0.00
25/07/2022 14:20	2.8	58	24	4.5	0.00
25/07/2022 14:30	2.8	64	26	4.4	0.00
25/07/2022 14:40	2.6	62	21	4.6	0.00
25/07/2022 14:50	2.3	68	23	4.0	0.00
25/07/2022 15:00	2.8	54	22	4.9	0.00
25/07/2022 15:10	2.6	52	21	4.4	0.00
25/07/2022 15:20	2.5	50	23	3.8	0.00
25/07/2022 15:30	2.5	60	21	3.9	0.00
25/07/2022 15:40	2.3	53	24	4.0	0.00
25/07/2022 15:50	2.3	55	20	4.0	0.00
25/07/2022 16:00	2.1	53	22	3.7	0.00
25/07/2022 16:10	2.2	54	18	3.6	0.00
25/07/2022 16:20	2.5	48	20	4.2	0.00
25/07/2022 16:30	2.7	46	19	3.8	0.00
25/07/2022 16:40	2.4	51	15	4.0	0.00
25/07/2022 16:50	2.4	52	18	3.8	0.00
25/07/2022 17:00	2.2	50	16	3.4	0.00
25/07/2022 17:10	2.3	52	17	3.8	0.00
25/07/2022 17:20	2.0	40	17	2.8	0.00
25/07/2022 17:30	2.1	37	17	3.1	0.00
25/07/2022 17:40	1.9	41	19	2.8	0.00
25/07/2022 17:50	1.4	40	14	2.0	0.00
25/07/2022 18:00	1.3	42	13	1.7	0.00
25/07/2022 18:10	1.2	39	15	1.7	0.00
25/07/2022 18:20					
25/07/2022 18:30					
25/07/2022 18:40					
25/07/2022 18:50					
25/07/2022 19:00					
25/07/2022 19:10					
25/07/2022 19:20					
25/07/2022 19:30					



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/07/2022 19:40					
25/07/2022 19:50					
25/07/2022 20:00					
25/07/2022 20:10					
25/07/2022 20:20					
25/07/2022 20:30					
25/07/2022 20:40					
25/07/2022 20:50					
25/07/2022 21:00					
25/07/2022 21:10					
25/07/2022 21:20					
25/07/2022 21:30					
25/07/2022 21:40					
25/07/2022 21:50					
25/07/2022 22:00					
25/07/2022 22:10					
25/07/2022 22:20					
25/07/2022 22:30					
25/07/2022 22:40					
25/07/2022 22:50					
25/07/2022 23:00					
25/07/2022 23:10					
25/07/2022 23:20					
25/07/2022 23:30					
25/07/2022 23:40					
25/07/2022 23:50					
26/07/2022 00:00					
26/07/2022 00:10					
26/07/2022 00:20					
26/07/2022 00:30					
26/07/2022 00:40					
26/07/2022 00:50					
26/07/2022 01:00					
26/07/2022 01:10					
26/07/2022 01:20					
26/07/2022 01:30					
26/07/2022 01:40					
26/07/2022 01:50					
26/07/2022 02:00					
26/07/2022 02:10					
26/07/2022 02:20					
26/07/2022 02:30					
26/07/2022 02:40					
26/07/2022 02:50					
26/07/2022 03:00					



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/07/2022 03:10					
26/07/2022 03:20					
26/07/2022 03:30					
26/07/2022 03:40					
26/07/2022 03:50					
26/07/2022 04:00					
26/07/2022 04:10					
26/07/2022 04:20					
26/07/2022 04:30					
26/07/2022 04:40					
26/07/2022 04:50					
26/07/2022 05:00					
26/07/2022 05:10					
26/07/2022 05:20					
26/07/2022 05:30					
26/07/2022 05:40					
26/07/2022 05:50					
26/07/2022 06:00					
26/07/2022 06:10					
26/07/2022 06:20					
26/07/2022 06:30					
26/07/2022 06:40					
26/07/2022 06:50					
26/07/2022 07:00					
26/07/2022 07:10					
26/07/2022 07:20					
26/07/2022 07:30					
26/07/2022 07:40					
26/07/2022 07:50					
26/07/2022 08:00					
26/07/2022 08:10					
26/07/2022 08:20					
26/07/2022 08:30					
26/07/2022 08:40					
26/07/2022 08:50					
26/07/2022 09:00					
26/07/2022 09:10					
26/07/2022 09:20					
26/07/2022 09:30					
26/07/2022 09:40					
26/07/2022 09:50					
26/07/2022 10:00					
26/07/2022 10:10					
26/07/2022 10:20					
26/07/2022 10:30					



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/07/2022 10:40					
26/07/2022 10:50					
26/07/2022 11:00					
26/07/2022 11:10					
26/07/2022 11:20					
26/07/2022 11:30					
26/07/2022 11:40					
26/07/2022 11:50					
26/07/2022 12:00					
26/07/2022 12:10					
26/07/2022 12:20					
26/07/2022 12:30					
26/07/2022 12:40					
26/07/2022 12:50					
26/07/2022 13:00					
26/07/2022 13:10					
26/07/2022 13:20					
26/07/2022 13:30					
26/07/2022 13:40					
26/07/2022 13:50					
26/07/2022 14:00					
26/07/2022 14:10					
26/07/2022 14:20					
26/07/2022 14:30					
26/07/2022 14:40					
26/07/2022 14:50					
26/07/2022 15:00					
26/07/2022 15:10					
26/07/2022 15:20					
26/07/2022 15:30					
26/07/2022 15:40					
26/07/2022 15:50					
26/07/2022 16:00					
26/07/2022 16:10					
26/07/2022 16:20					
26/07/2022 16:30					
26/07/2022 16:40					
26/07/2022 16:50					
26/07/2022 17:00					
26/07/2022 17:10					
26/07/2022 17:20					
26/07/2022 17:30					
26/07/2022 17:40					
26/07/2022 17:50					
26/07/2022 18:00					



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/07/2022 18:10					
26/07/2022 18:20					
26/07/2022 18:30					
26/07/2022 18:40					
26/07/2022 18:50					
26/07/2022 19:00					
26/07/2022 19:10					
26/07/2022 19:20					
26/07/2022 19:30					
26/07/2022 19:40					
26/07/2022 19:50					
26/07/2022 20:00					
26/07/2022 20:10					
26/07/2022 20:20					
26/07/2022 20:30					
26/07/2022 20:40					
26/07/2022 20:50					
26/07/2022 21:00					
26/07/2022 21:10					
26/07/2022 21:20					
26/07/2022 21:30					
26/07/2022 21:40					
26/07/2022 21:50					
26/07/2022 22:00					
26/07/2022 22:10					
26/07/2022 22:20					
26/07/2022 22:30					
26/07/2022 22:40					
26/07/2022 22:50					
26/07/2022 23:00					
26/07/2022 23:10					
26/07/2022 23:20					
26/07/2022 23:30					
26/07/2022 23:40					
26/07/2022 23:50					
27/07/2022 00:00					
27/07/2022 00:10					
27/07/2022 00:20					
27/07/2022 00:30					
27/07/2022 00:40					
27/07/2022 00:50					
27/07/2022 01:00					
27/07/2022 01:10					
27/07/2022 01:20					
27/07/2022 01:30					





Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/07/2022 01:40					
27/07/2022 01:50					
27/07/2022 02:00					
27/07/2022 02:10					
27/07/2022 02:20					
27/07/2022 02:30					
27/07/2022 02:40					
27/07/2022 02:50					
27/07/2022 03:00					
27/07/2022 03:10					
27/07/2022 03:20					
27/07/2022 03:30					
27/07/2022 03:40					
27/07/2022 03:50					
27/07/2022 04:00					
27/07/2022 04:10					
27/07/2022 04:20					
27/07/2022 04:30					
27/07/2022 04:40					
27/07/2022 04:50					
27/07/2022 05:00					
27/07/2022 05:10					
27/07/2022 05:20					
27/07/2022 05:30					
27/07/2022 05:40					
27/07/2022 05:50					
27/07/2022 06:00					
27/07/2022 06:10					
27/07/2022 06:20					
27/07/2022 06:30					
27/07/2022 06:40					
27/07/2022 06:50					
27/07/2022 07:00					
27/07/2022 07:10					
27/07/2022 07:20					
27/07/2022 07:30					
27/07/2022 07:40					
27/07/2022 07:50					
27/07/2022 08:00					
27/07/2022 08:10					
27/07/2022 08:20					
27/07/2022 08:30					
27/07/2022 08:40					
27/07/2022 08:50					
27/07/2022 09:00					



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/07/2022 09:10					
27/07/2022 09:20					
27/07/2022 09:30					
27/07/2022 09:40					
27/07/2022 09:50					
27/07/2022 10:00					
27/07/2022 10:10					
27/07/2022 10:20					
27/07/2022 10:30					
27/07/2022 10:40					
27/07/2022 10:50					
27/07/2022 11:00					
27/07/2022 11:10					
27/07/2022 11:20					
27/07/2022 11:30					
27/07/2022 11:40					
27/07/2022 11:50					
27/07/2022 12:00					
27/07/2022 12:10					
27/07/2022 12:20					
27/07/2022 12:30					
27/07/2022 12:40					
27/07/2022 12:50					
27/07/2022 13:00					
27/07/2022 13:10					
27/07/2022 13:20					
27/07/2022 13:30					
27/07/2022 13:40					
27/07/2022 13:50					
27/07/2022 14:00					
27/07/2022 14:10					
27/07/2022 14:20					
27/07/2022 14:30					
27/07/2022 14:40					
27/07/2022 14:50					
27/07/2022 15:00					
27/07/2022 15:10					
27/07/2022 15:20					
27/07/2022 15:30					
27/07/2022 15:40					
27/07/2022 15:50					
27/07/2022 16:00					
27/07/2022 16:10					
27/07/2022 16:20					
27/07/2022 16:30					



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/07/2022 16:40					
27/07/2022 16:50					
27/07/2022 17:00					
27/07/2022 17:10					
27/07/2022 17:20					
27/07/2022 17:30					
27/07/2022 17:40					
27/07/2022 17:50					
27/07/2022 18:00					
27/07/2022 18:10					
27/07/2022 18:20					
27/07/2022 18:30					
27/07/2022 18:40					
27/07/2022 18:50					
27/07/2022 19:00					
27/07/2022 19:10					
27/07/2022 19:20					
27/07/2022 19:30					
27/07/2022 19:40					
27/07/2022 19:50					
27/07/2022 20:00					
27/07/2022 20:10					
27/07/2022 20:20					
27/07/2022 20:30					
27/07/2022 20:40					
27/07/2022 20:50					
27/07/2022 21:00					
27/07/2022 21:10					
27/07/2022 21:20					
27/07/2022 21:30					
27/07/2022 21:40					
27/07/2022 21:50					
27/07/2022 22:00					
27/07/2022 22:10					
27/07/2022 22:20					
27/07/2022 22:30					
27/07/2022 22:40					
27/07/2022 22:50					
27/07/2022 23:00					
27/07/2022 23:10					
27/07/2022 23:20					
27/07/2022 23:30					
27/07/2022 23:40					
27/07/2022 23:50					
28/07/2022 00:00					



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/07/2022 00:10					
28/07/2022 00:20					
28/07/2022 00:30					
28/07/2022 00:40					
28/07/2022 00:50					
28/07/2022 01:00					
28/07/2022 01:10					
28/07/2022 01:20					
28/07/2022 01:30					
28/07/2022 01:40					
28/07/2022 01:50					
28/07/2022 02:00					
28/07/2022 02:10					
28/07/2022 02:20					
28/07/2022 02:30					
28/07/2022 02:40					
28/07/2022 02:50					
28/07/2022 03:00					
28/07/2022 03:10					
28/07/2022 03:20					
28/07/2022 03:30					
28/07/2022 03:40					
28/07/2022 03:50					
28/07/2022 04:00					
28/07/2022 04:10					
28/07/2022 04:20					
28/07/2022 04:30					
28/07/2022 04:40					
28/07/2022 04:50					
28/07/2022 05:00					
28/07/2022 05:10					
28/07/2022 05:20					
28/07/2022 05:30					
28/07/2022 05:40					
28/07/2022 05:50					
28/07/2022 06:00					
28/07/2022 06:10					
28/07/2022 06:20					
28/07/2022 06:30					
28/07/2022 06:40					
28/07/2022 06:50					
28/07/2022 07:00					
28/07/2022 07:10					
28/07/2022 07:20					
28/07/2022 07:30					



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/07/2022 07:40					
28/07/2022 07:50					
28/07/2022 08:00					
28/07/2022 08:10					
28/07/2022 08:20					
28/07/2022 08:30					
28/07/2022 08:40					
28/07/2022 08:50					
28/07/2022 09:00					
28/07/2022 09:10					
28/07/2022 09:20					
28/07/2022 09:30					
28/07/2022 09:40					
28/07/2022 09:50					
28/07/2022 10:00					
28/07/2022 10:10					
28/07/2022 10:20					
28/07/2022 10:30					
28/07/2022 10:40					
28/07/2022 10:50					
28/07/2022 11:00					
28/07/2022 11:10					
28/07/2022 11:20					
28/07/2022 11:30					
28/07/2022 11:40					
28/07/2022 11:50					
28/07/2022 12:00					
28/07/2022 12:10					
28/07/2022 12:20					
28/07/2022 12:30					
28/07/2022 12:40					
28/07/2022 12:50					
28/07/2022 13:00					
28/07/2022 13:10					
28/07/2022 13:20					
28/07/2022 13:30					
28/07/2022 13:40					
28/07/2022 13:50					
28/07/2022 14:00					
28/07/2022 14:10					
28/07/2022 14:20					
28/07/2022 14:30					
28/07/2022 14:40					
28/07/2022 14:50					
28/07/2022 15:00					



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/07/2022 15:10					
28/07/2022 15:20					
28/07/2022 15:30					
28/07/2022 15:40					
28/07/2022 15:50					
28/07/2022 16:00					
28/07/2022 16:10					
28/07/2022 16:20					
28/07/2022 16:30					
28/07/2022 16:40					
28/07/2022 16:50					
28/07/2022 17:00					
28/07/2022 17:10					
28/07/2022 17:20					
28/07/2022 17:30					
28/07/2022 17:40					
28/07/2022 17:50					
28/07/2022 18:00					
28/07/2022 18:10					
28/07/2022 18:20					
28/07/2022 18:30					
28/07/2022 18:40					
28/07/2022 18:50					
28/07/2022 19:00					
28/07/2022 19:10					
28/07/2022 19:20					
28/07/2022 19:30					
28/07/2022 19:40					
28/07/2022 19:50					
28/07/2022 20:00					
28/07/2022 20:10					
28/07/2022 20:20					
28/07/2022 20:30					
28/07/2022 20:40					
28/07/2022 20:50					
28/07/2022 21:00					
28/07/2022 21:10					
28/07/2022 21:20					
28/07/2022 21:30					
28/07/2022 21:40					
28/07/2022 21:50					
28/07/2022 22:00					
28/07/2022 22:10					
28/07/2022 22:20					
28/07/2022 22:30					



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/07/2022 22:40					
28/07/2022 22:50					
28/07/2022 23:00					
28/07/2022 23:10					
28/07/2022 23:20					
28/07/2022 23:30					
28/07/2022 23:40					
28/07/2022 23:50					
29/07/2022 00:00					
29/07/2022 00:10					
29/07/2022 00:20					
29/07/2022 00:30					
29/07/2022 00:40					
29/07/2022 00:50					
29/07/2022 01:00					
29/07/2022 01:10					
29/07/2022 01:20					
29/07/2022 01:30					
29/07/2022 01:40					
29/07/2022 01:50					
29/07/2022 02:00					
29/07/2022 02:10					
29/07/2022 02:20					
29/07/2022 02:30					
29/07/2022 02:40					
29/07/2022 02:50					
29/07/2022 03:00					
29/07/2022 03:10					
29/07/2022 03:20					
29/07/2022 03:30					
29/07/2022 03:40					
29/07/2022 03:50					
29/07/2022 04:00					
29/07/2022 04:10					
29/07/2022 04:20					
29/07/2022 04:30					
29/07/2022 04:40					
29/07/2022 04:50					
29/07/2022 05:00					
29/07/2022 05:10					
29/07/2022 05:20					
29/07/2022 05:30					
29/07/2022 05:40					
29/07/2022 05:50					
29/07/2022 06:00					



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/07/2022 06:10					
29/07/2022 06:20					
29/07/2022 06:30					
29/07/2022 06:40					
29/07/2022 06:50					
29/07/2022 07:00					
29/07/2022 07:10					
29/07/2022 07:20					
29/07/2022 07:30					
29/07/2022 07:40					
29/07/2022 07:50					
29/07/2022 08:00					
29/07/2022 08:10					
29/07/2022 08:20					
29/07/2022 08:30					
29/07/2022 08:40					
29/07/2022 08:50					
29/07/2022 09:00					
29/07/2022 09:10					
29/07/2022 09:20					
29/07/2022 09:30					
29/07/2022 09:40					
29/07/2022 09:50					
29/07/2022 10:00					
29/07/2022 10:10					
29/07/2022 10:20					
29/07/2022 10:30					
29/07/2022 10:40					
29/07/2022 10:50					
29/07/2022 11:00					
29/07/2022 11:10					
29/07/2022 11:20					
29/07/2022 11:30					
29/07/2022 11:40					
29/07/2022 11:50					
29/07/2022 12:00					
29/07/2022 12:10					
29/07/2022 12:20					
29/07/2022 12:30					
29/07/2022 12:40					
29/07/2022 12:50					
29/07/2022 13:00					
29/07/2022 13:10					
29/07/2022 13:20					
29/07/2022 13:30					





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/07/2022 13:40					
29/07/2022 13:50					
29/07/2022 14:00					
29/07/2022 14:10					
29/07/2022 14:20					
29/07/2022 14:30					
29/07/2022 14:40					
29/07/2022 14:50					
29/07/2022 15:00					
29/07/2022 15:10					
29/07/2022 15:20					
29/07/2022 15:30					
29/07/2022 15:40					
29/07/2022 15:50					
29/07/2022 16:00					
29/07/2022 16:10					
29/07/2022 16:20					
29/07/2022 16:30					
29/07/2022 16:40					
29/07/2022 16:50					
29/07/2022 17:00					
29/07/2022 17:10					
29/07/2022 17:20					
29/07/2022 17:30					
29/07/2022 17:40					
29/07/2022 17:50					
29/07/2022 18:00					
29/07/2022 18:10					
29/07/2022 18:20					
29/07/2022 18:30					
29/07/2022 18:40					
29/07/2022 18:50					
29/07/2022 19:00					
29/07/2022 19:10					
29/07/2022 19:20					
29/07/2022 19:30					
29/07/2022 19:40					
29/07/2022 19:50					
29/07/2022 20:00					
29/07/2022 20:10					
29/07/2022 20:20					
29/07/2022 20:30					
29/07/2022 20:40					
29/07/2022 20:50					
29/07/2022 21:00					



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/07/2022 21:10					
29/07/2022 21:20					
29/07/2022 21:30					
29/07/2022 21:40					
29/07/2022 21:50					
29/07/2022 22:00					
29/07/2022 22:10					
29/07/2022 22:20					
29/07/2022 22:30					
29/07/2022 22:40					
29/07/2022 22:50					
29/07/2022 23:00					
29/07/2022 23:10					
29/07/2022 23:20					
29/07/2022 23:30					
29/07/2022 23:40					
29/07/2022 23:50					
30/07/2022 00:00					
30/07/2022 00:10					
30/07/2022 00:20					
30/07/2022 00:30					
30/07/2022 00:40					
30/07/2022 00:50					
30/07/2022 01:00					
30/07/2022 01:10					
30/07/2022 01:20					
30/07/2022 01:30					
30/07/2022 01:40					
30/07/2022 01:50					
30/07/2022 02:00					
30/07/2022 02:10					
30/07/2022 02:20					
30/07/2022 02:30					
30/07/2022 02:40					
30/07/2022 02:50					
30/07/2022 03:00					
30/07/2022 03:10					
30/07/2022 03:20					
30/07/2022 03:30					
30/07/2022 03:40					
30/07/2022 03:50					
30/07/2022 04:00					
30/07/2022 04:10					
30/07/2022 04:20					
30/07/2022 04:30					



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/07/2022 04:40					
30/07/2022 04:50					
30/07/2022 05:00					
30/07/2022 05:10					
30/07/2022 05:20					
30/07/2022 05:30					
30/07/2022 05:40					
30/07/2022 05:50					
30/07/2022 06:00					
30/07/2022 06:10					
30/07/2022 06:20					
30/07/2022 06:30					
30/07/2022 06:40					
30/07/2022 06:50					
30/07/2022 07:00					
30/07/2022 07:10					
30/07/2022 07:20					
30/07/2022 07:30					
30/07/2022 07:40					
30/07/2022 07:50					
30/07/2022 08:00					
30/07/2022 08:10					
30/07/2022 08:20					
30/07/2022 08:30					
30/07/2022 08:40					
30/07/2022 08:50					
30/07/2022 09:00					
30/07/2022 09:10					
30/07/2022 09:20					
30/07/2022 09:30					
30/07/2022 09:40					
30/07/2022 09:50					
30/07/2022 10:00					
30/07/2022 10:10					
30/07/2022 10:20					
30/07/2022 10:30					
30/07/2022 10:40					
30/07/2022 10:50					
30/07/2022 11:00					
30/07/2022 11:10					
30/07/2022 11:20					
30/07/2022 11:30					
30/07/2022 11:40					
30/07/2022 11:50					
30/07/2022 12:00					



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/07/2022 12:10					
30/07/2022 12:20					
30/07/2022 12:30					
30/07/2022 12:40					
30/07/2022 12:50					
30/07/2022 13:00					
30/07/2022 13:10					
30/07/2022 13:20					
30/07/2022 13:30					
30/07/2022 13:40					
30/07/2022 13:50					
30/07/2022 14:00					
30/07/2022 14:10					
30/07/2022 14:20					
30/07/2022 14:30					
30/07/2022 14:40					
30/07/2022 14:50					
30/07/2022 15:00					
30/07/2022 15:10					
30/07/2022 15:20					
30/07/2022 15:30					
30/07/2022 15:40					
30/07/2022 15:50					
30/07/2022 16:00					
30/07/2022 16:10					
30/07/2022 16:20					
30/07/2022 16:30					
30/07/2022 16:40					
30/07/2022 16:50					
30/07/2022 17:00					
30/07/2022 17:10					
30/07/2022 17:20					
30/07/2022 17:30					
30/07/2022 17:40					
30/07/2022 17:50					
30/07/2022 18:00					
30/07/2022 18:10					
30/07/2022 18:20					
30/07/2022 18:30					
30/07/2022 18:40					
30/07/2022 18:50					
30/07/2022 19:00					
30/07/2022 19:10					
30/07/2022 19:20					
30/07/2022 19:30					



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/07/2022 19:40					
30/07/2022 19:50					
30/07/2022 20:00					
30/07/2022 20:10					
30/07/2022 20:20					
30/07/2022 20:30					
30/07/2022 20:40					
30/07/2022 20:50					
30/07/2022 21:00					
30/07/2022 21:10					
30/07/2022 21:20					
30/07/2022 21:30					
30/07/2022 21:40					
30/07/2022 21:50					
30/07/2022 22:00					
30/07/2022 22:10					
30/07/2022 22:20					
30/07/2022 22:30					
30/07/2022 22:40					
30/07/2022 22:50					
30/07/2022 23:00					
30/07/2022 23:10					
30/07/2022 23:20					
30/07/2022 23:30					
30/07/2022 23:40					
30/07/2022 23:50					
31/07/2022 00:00					
31/07/2022 00:10					
31/07/2022 00:20					
31/07/2022 00:30					
31/07/2022 00:40					
31/07/2022 00:50					
31/07/2022 01:00					
31/07/2022 01:10					
31/07/2022 01:20					
31/07/2022 01:30					
31/07/2022 01:40					
31/07/2022 01:50					
31/07/2022 02:00					
31/07/2022 02:10					
31/07/2022 02:20					
31/07/2022 02:30					
31/07/2022 02:40					
31/07/2022 02:50					
31/07/2022 03:00					



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/07/2022 03:10					
31/07/2022 03:20					
31/07/2022 03:30					
31/07/2022 03:40					
31/07/2022 03:50					
31/07/2022 04:00					
31/07/2022 04:10					
31/07/2022 04:20					
31/07/2022 04:30					
31/07/2022 04:40					
31/07/2022 04:50					
31/07/2022 05:00					
31/07/2022 05:10					
31/07/2022 05:20					
31/07/2022 05:30					
31/07/2022 05:40					
31/07/2022 05:50					
31/07/2022 06:00					
31/07/2022 06:10					
31/07/2022 06:20					
31/07/2022 06:30					
31/07/2022 06:40					
31/07/2022 06:50					
31/07/2022 07:00					
31/07/2022 07:10					
31/07/2022 07:20					
31/07/2022 07:30					
31/07/2022 07:40					
31/07/2022 07:50					
31/07/2022 08:00					
31/07/2022 08:10					
31/07/2022 08:20					
31/07/2022 08:30					
31/07/2022 08:40					
31/07/2022 08:50					
31/07/2022 09:00					
31/07/2022 09:10					
31/07/2022 09:20					
31/07/2022 09:30					
31/07/2022 09:40					
31/07/2022 09:50					
31/07/2022 10:00					
31/07/2022 10:10					
31/07/2022 10:20					
31/07/2022 10:30					



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/07/2022 10:40					
31/07/2022 10:50					
31/07/2022 11:00					
31/07/2022 11:10					
31/07/2022 11:20					
31/07/2022 11:30					
31/07/2022 11:40					
31/07/2022 11:50					
31/07/2022 12:00					
31/07/2022 12:10					
31/07/2022 12:20					
31/07/2022 12:30					
31/07/2022 12:40					
31/07/2022 12:50					
31/07/2022 13:00					
31/07/2022 13:10					
31/07/2022 13:20					
31/07/2022 13:30					
31/07/2022 13:40					
31/07/2022 13:50					
31/07/2022 14:00					
31/07/2022 14:10					
31/07/2022 14:20					
31/07/2022 14:30					
31/07/2022 14:40					
31/07/2022 14:50					
31/07/2022 15:00					
31/07/2022 15:10					
31/07/2022 15:20					
31/07/2022 15:30					
31/07/2022 15:40					
31/07/2022 15:50					
31/07/2022 16:00					
31/07/2022 16:10					
31/07/2022 16:20					
31/07/2022 16:30					
31/07/2022 16:40					
31/07/2022 16:50					
31/07/2022 17:00					
31/07/2022 17:10					
31/07/2022 17:20					
31/07/2022 17:30					
31/07/2022 17:40					
31/07/2022 17:50					
31/07/2022 18:00					



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/07/2022 18:10					
31/07/2022 18:20					
31/07/2022 18:30					
31/07/2022 18:40					
31/07/2022 18:50					
31/07/2022 19:00					
31/07/2022 19:10					
31/07/2022 19:20					
31/07/2022 19:30					
31/07/2022 19:40					
31/07/2022 19:50					
31/07/2022 20:00					
31/07/2022 20:10					
31/07/2022 20:20					
31/07/2022 20:30					
31/07/2022 20:40					
31/07/2022 20:50					
31/07/2022 21:00					
31/07/2022 21:10					
31/07/2022 21:20					
31/07/2022 21:30					
31/07/2022 21:40					
31/07/2022 21:50					
31/07/2022 22:00					
31/07/2022 22:10					
31/07/2022 22:20					
31/07/2022 22:30					
31/07/2022 22:40					
31/07/2022 22:50					
31/07/2022 23:00					
31/07/2022 23:10					
31/07/2022 23:20					
31/07/2022 23:30					
31/07/2022 23:40					
31/07/2022 23:50					
01/08/2022 00:00					
01/08/2022 00:10					
01/08/2022 00:20					
01/08/2022 00:30					
01/08/2022 00:40					
01/08/2022 00:50					
01/08/2022 01:00					
01/08/2022 01:10					
01/08/2022 01:20					
01/08/2022 01:30					





Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/08/2022 01:40					
01/08/2022 01:50					
01/08/2022 02:00					
01/08/2022 02:10					
01/08/2022 02:20					
01/08/2022 02:30					
01/08/2022 02:40					
01/08/2022 02:50					
01/08/2022 03:00					
01/08/2022 03:10					
01/08/2022 03:20					
01/08/2022 03:30					
01/08/2022 03:40					
01/08/2022 03:50					
01/08/2022 04:00					
01/08/2022 04:10					
01/08/2022 04:20					
01/08/2022 04:30					
01/08/2022 04:40					
01/08/2022 04:50					
01/08/2022 05:00					
01/08/2022 05:10					
01/08/2022 05:20					
01/08/2022 05:30					
01/08/2022 05:40					
01/08/2022 05:50					
01/08/2022 06:00					
01/08/2022 06:10					
01/08/2022 06:20					
01/08/2022 06:30					
01/08/2022 06:40					
01/08/2022 06:50					
01/08/2022 07:00					
01/08/2022 07:10					
01/08/2022 07:20					
01/08/2022 07:30					
01/08/2022 07:40					
01/08/2022 07:50					
01/08/2022 08:00					
01/08/2022 08:10					
01/08/2022 08:20					
01/08/2022 08:30					
01/08/2022 08:40					
01/08/2022 08:50					
01/08/2022 09:00					



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/08/2022 09:10					
01/08/2022 09:20					
01/08/2022 09:30					
01/08/2022 09:40					
01/08/2022 09:50					
01/08/2022 10:00					
01/08/2022 10:10					
01/08/2022 10:20					
01/08/2022 10:30					
01/08/2022 10:40					
01/08/2022 10:50					
01/08/2022 11:00					
01/08/2022 11:10					
01/08/2022 11:20					
01/08/2022 11:30					
01/08/2022 11:40					
01/08/2022 11:50					
01/08/2022 12:00					
01/08/2022 12:10					
01/08/2022 12:20					
01/08/2022 12:30					
01/08/2022 12:40					
01/08/2022 12:50					
01/08/2022 13:00					
01/08/2022 13:10					
01/08/2022 13:20					
01/08/2022 13:30					
01/08/2022 13:40					
01/08/2022 13:50					
01/08/2022 14:00					
01/08/2022 14:10					
01/08/2022 14:20					
01/08/2022 14:30					
01/08/2022 14:40					
01/08/2022 14:50					
01/08/2022 15:00					
01/08/2022 15:10					
01/08/2022 15:20					
01/08/2022 15:30					
01/08/2022 15:40					
01/08/2022 15:50					
01/08/2022 16:00					
01/08/2022 16:10					
01/08/2022 16:20					
01/08/2022 16:30					



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/08/2022 16:40					
01/08/2022 16:50					
01/08/2022 17:00					
01/08/2022 17:10					
01/08/2022 17:20					
01/08/2022 17:30					
01/08/2022 17:40					
01/08/2022 17:50					
01/08/2022 18:00					
01/08/2022 18:10					
01/08/2022 18:20					
01/08/2022 18:30					
01/08/2022 18:40					
01/08/2022 18:50					
01/08/2022 19:00					
01/08/2022 19:10					
01/08/2022 19:20					
01/08/2022 19:30					
01/08/2022 19:40					
01/08/2022 19:50					
01/08/2022 20:00					
01/08/2022 20:10					
01/08/2022 20:20					
01/08/2022 20:30					
01/08/2022 20:40					
01/08/2022 20:50					
01/08/2022 21:00					
01/08/2022 21:10					
01/08/2022 21:20					
01/08/2022 21:30					
01/08/2022 21:40					
01/08/2022 21:50					
01/08/2022 22:00					
01/08/2022 22:10					
01/08/2022 22:20					
01/08/2022 22:30					
01/08/2022 22:40					
01/08/2022 22:50					
01/08/2022 23:00					
01/08/2022 23:10					
01/08/2022 23:20					
01/08/2022 23:30					
01/08/2022 23:40					
01/08/2022 23:50					
02/08/2022 00:00					



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/08/2022 00:10					
02/08/2022 00:20					
02/08/2022 00:30					
02/08/2022 00:40					
02/08/2022 00:50					
02/08/2022 01:00					
02/08/2022 01:10					
02/08/2022 01:20					
02/08/2022 01:30					
02/08/2022 01:40					
02/08/2022 01:50					
02/08/2022 02:00					
02/08/2022 02:10					
02/08/2022 02:20					
02/08/2022 02:30					
02/08/2022 02:40					
02/08/2022 02:50					
02/08/2022 03:00					
02/08/2022 03:10					
02/08/2022 03:20					
02/08/2022 03:30					
02/08/2022 03:40					
02/08/2022 03:50					
02/08/2022 04:00					
02/08/2022 04:10					
02/08/2022 04:20					
02/08/2022 04:30					
02/08/2022 04:40					
02/08/2022 04:50					
02/08/2022 05:00					
02/08/2022 05:10					
02/08/2022 05:20					
02/08/2022 05:30					
02/08/2022 05:40					
02/08/2022 05:50					
02/08/2022 06:00					
02/08/2022 06:10					
02/08/2022 06:20					
02/08/2022 06:30					
02/08/2022 06:40					
02/08/2022 06:50					
02/08/2022 07:00	2.6	216	13	3.8	0.00
02/08/2022 07:10	2.6	228	17	3.9	0.00
02/08/2022 07:20	2.0	238	19	3.3	0.00
02/08/2022 07:30	2.0	250	17	2.9	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/08/2022 07:40	2.0	264	16	2.7	0.00
02/08/2022 07:50	1.5	252	17	2.2	0.00
02/08/2022 08:00	1.7	263	16	2.4	0.00
02/08/2022 08:10	1.6	258	17	2.3	0.00
02/08/2022 08:20	2.3	240	16	3.3	0.00
02/08/2022 08:30	2.5	237	19	4.3	0.00
02/08/2022 08:40	2.5	222	18	4.1	0.00
02/08/2022 08:50	2.9	222	20	4.7	0.00
02/08/2022 09:00	3.7	216	18	5.5	0.00
02/08/2022 09:10	3.7	214	18	5.4	0.00
02/08/2022 09:20	3.7	204	14	5.4	0.00
02/08/2022 09:30	3.7	214	15	5.6	0.00
02/08/2022 09:40	3.6	199	20	5.1	0.00
02/08/2022 09:50	3.9	210	16	5.7	0.00
02/08/2022 10:00	4.0	204	16	6.3	0.00
02/08/2022 10:10	3.6	206	17	5.8	0.10
02/08/2022 10:20	3.1	197	20	4.8	0.00
02/08/2022 10:30	3.7	204	17	5.2	0.00
02/08/2022 10:40	3.8	194	19	5.9	0.00
02/08/2022 10:50	3.7	195	21	5.5	0.00
02/08/2022 11:00	4.1	199	19	5.9	0.00
02/08/2022 11:10	4.4	199	19	6.6	0.00
02/08/2022 11:20	4.1	204	17	6.4	0.00
02/08/2022 11:30	3.9	207	20	5.6	0.00
02/08/2022 11:40	4.1	203	21	6.7	0.00
02/08/2022 11:50	4.0	224	24	6.9	0.00
02/08/2022 12:00	4.3	220	17	6.0	0.00
02/08/2022 12:10	4.0	221	18	5.8	0.00
02/08/2022 12:20	3.4	210	22	5.2	0.00
02/08/2022 12:30	3.6	218	18	5.6	0.00
02/08/2022 12:40	3.0	221	22	4.6	0.00
02/08/2022 12:50	3.0	228	25	4.7	0.00
02/08/2022 13:00	3.4	209	25	5.5	0.00
02/08/2022 13:10	3.1	212	23	4.8	0.00
02/08/2022 13:20	3.9	224	19	5.7	0.00
02/08/2022 13:30	3.0	247	25	4.6	0.00
02/08/2022 13:40	2.9	253	23	4.6	0.00
02/08/2022 13:50	2.9	255	21	5.5	0.00
02/08/2022 14:00	3.1	261	21	5.0	0.00
02/08/2022 14:10	3.7	253	19	5.7	0.00
02/08/2022 14:20	4.0	250	17	5.6	0.00
02/08/2022 14:30	3.6	256	19	5.5	0.00
02/08/2022 14:40	3.9	250	16	6.0	0.00
02/08/2022 14:50	3.5	255	20	5.4	0.00
02/08/2022 15:00	3.3	257	23	4.9	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/08/2022 15:10	3.6	253	20	6.0	0.00
02/08/2022 15:20	3.5	255	20	5.5	0.00
02/08/2022 15:30	3.8	252	23	6.0	0.00
02/08/2022 15:40	3.9	247	17	5.8	0.00
02/08/2022 15:50	3.6	255	20	5.6	0.00
02/08/2022 16:00	3.9	252	20	6.1	0.00
02/08/2022 16:10	3.9	251	19	6.0	0.00
02/08/2022 16:20	4.1	252	18	6.7	0.00
02/08/2022 16:30	4.0	257	20	5.9	0.00
02/08/2022 16:40	3.7	252	17	5.5	0.00
02/08/2022 16:50	3.7	254	18	5.6	0.00
02/08/2022 17:00	4.2	254	19	6.5	0.00
02/08/2022 17:10	3.9	258	22	6.7	0.00
02/08/2022 17:20	3.9	258	18	6.0	0.00
02/08/2022 17:30	4.5	245	16	6.3	0.00
02/08/2022 17:40	3.8	251	16	6.0	0.00
02/08/2022 17:50	3.5	251	17	5.5	0.00
02/08/2022 18:00	4.4	247	16	6.4	0.00
02/08/2022 18:10	4.2	250	15	6.0	0.00
02/08/2022 18:20	4.1	249	18	6.0	0.00
02/08/2022 18:30	3.5	250	17	5.5	0.00
02/08/2022 18:40	3.6	252	16	5.6	0.00
02/08/2022 18:50	3.7	247	18	5.6	0.00
02/08/2022 19:00	3.3	253	17	5.3	0.00
02/08/2022 19:10	3.6	253	16	6.0	0.00
02/08/2022 19:20	3.3	251	18	4.9	0.00
02/08/2022 19:30	3.5	252	17	5.0	0.00
02/08/2022 19:40	3.7	251	17	5.6	0.00
02/08/2022 19:50	3.4	245	16	5.5	0.00
02/08/2022 20:00	3.0	252	17	5.0	0.00
02/08/2022 20:10	3.3	255	17	4.9	0.00
02/08/2022 20:20	3.0	255	17	4.7	0.00
02/08/2022 20:30	3.0	255	14	4.5	0.00
02/08/2022 20:40	2.9	253	15	4.2	0.00
02/08/2022 20:50	2.8	251	14	4.4	0.00
02/08/2022 21:00	2.2	243	21	3.8	0.00
02/08/2022 21:10	2.1	246	16	3.2	0.00
02/08/2022 21:20	2.4	237	18	3.5	0.00
02/08/2022 21:30	3.1	232	16	4.3	0.00
02/08/2022 21:40	2.8	233	17	4.4	0.00
02/08/2022 21:50	2.1	240	17	3.6	0.00
02/08/2022 22:00	2.1	228	15	3.1	0.00
02/08/2022 22:10	2.1	234	16	3.6	0.00
02/08/2022 22:20	2.1	231	16	3.2	0.00
02/08/2022 22:30	2.7	230	18	4.0	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/08/2022 22:40	2.5	234	20	4.0	0.00
02/08/2022 22:50	2.8	234	15	4.4	0.00
02/08/2022 23:00	2.7	235	17	4.0	0.00
02/08/2022 23:10	2.5	232	18	4.1	0.00
02/08/2022 23:20	2.1	224	17	3.4	0.00
02/08/2022 23:30	1.6	221	16	2.8	0.00
02/08/2022 23:40	2.0	227	18	3.4	0.00
02/08/2022 23:50	2.6	239	19	4.0	0.00
03/08/2022 00:00	3.0	234	16	4.3	0.00
03/08/2022 00:10	3.1	234	18	5.0	0.00
03/08/2022 00:20	3.1	237	16	4.8	0.00
03/08/2022 00:30	3.0	239	18	4.6	0.00
03/08/2022 00:40	2.8	241	19	4.0	0.00
03/08/2022 00:50	2.8	240	20	4.5	0.00
03/08/2022 01:00	2.7	242	17	4.3	0.00
03/08/2022 01:10	3.2	242	16	4.6	0.00
03/08/2022 01:20	3.3	238	17	5.4	0.00
03/08/2022 01:30	3.7	243	18	6.0	0.00
03/08/2022 01:40	3.4	239	20	5.3	0.00
03/08/2022 01:50	3.4	235	18	5.2	0.00
03/08/2022 02:00	3.2	239	21	5.6	0.00
03/08/2022 02:10	3.4	238	21	5.1	0.00
03/08/2022 02:20	3.1	235	18	5.1	0.00
03/08/2022 02:30	3.4	225	18	5.2	0.00
03/08/2022 02:40	3.4	225	18	5.6	0.00
03/08/2022 02:50	4.1	227	19	7.2	0.00
03/08/2022 03:00	4.1	225	17	6.0	0.00
03/08/2022 03:10	3.7	228	20	5.3	0.00
03/08/2022 03:20	3.8	227	21	6.4	0.00
03/08/2022 03:30	3.6	228	16	5.5	0.00
03/08/2022 03:40	3.5	230	19	5.5	0.00
03/08/2022 03:50	3.4	230	15	6.0	0.00
03/08/2022 04:00	3.9	225	19	5.8	0.00
03/08/2022 04:10	3.6	228	20	6.0	0.00
03/08/2022 04:20	3.7	228	20	6.5	0.00
03/08/2022 04:30	3.4	230	20	5.2	0.00
03/08/2022 04:40	3.6	228	20	5.6	0.00
03/08/2022 04:50	3.6	220	20	6.4	0.00
03/08/2022 05:00	3.9	213	19	6.4	0.00
03/08/2022 05:10	3.8	214	21	5.8	0.00
03/08/2022 05:20	3.8	208	17	6.1	0.00
03/08/2022 05:30	4.0	205	16	6.2	0.00
03/08/2022 05:40	3.9	211	17	5.9	0.00
03/08/2022 05:50	3.4	215	16	6.0	0.00
03/08/2022 06:00	3.2	218	19	4.6	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/08/2022 06:10	3.4	220	17	5.2	0.00
03/08/2022 06:20	3.0	217	20	5.2	0.00
03/08/2022 06:30	3.1	216	18	4.9	0.00
03/08/2022 06:40	3.7	214	16	5.6	0.00
03/08/2022 06:50	3.5	213	19	5.2	0.00
03/08/2022 07:00	3.5	223	17	5.0	0.00
03/08/2022 07:10	3.6	218	17	5.3	0.00
03/08/2022 07:20	3.1	220	16	4.4	0.00
03/08/2022 07:30	3.2	217	18	5.0	0.00
03/08/2022 07:40	3.6	216	15	5.7	0.00
03/08/2022 07:50	3.1	211	17	4.9	0.00
03/08/2022 08:00	3.0	203	18	4.7	0.00
03/08/2022 08:10	3.2	209	22	5.4	0.00
03/08/2022 08:20	3.3	199	21	5.8	0.00
03/08/2022 08:30	4.1	197	17	6.4	0.00
03/08/2022 08:40	3.8	191	19	6.0	0.00
03/08/2022 08:50	4.3	189	17	6.8	0.00
03/08/2022 09:00	4.5	187	14	7.1	0.00
03/08/2022 09:10	4.3	194	17	6.3	0.00
03/08/2022 09:20	4.5	198	22	6.6	0.00
03/08/2022 09:30	4.3	207	20	6.3	0.00
03/08/2022 09:40	4.6	208	21	6.7	0.00
03/08/2022 09:50	4.0	206	22	6.4	0.00
03/08/2022 10:00	4.3	210	17	6.0	0.00
03/08/2022 10:10	4.7	214	19	7.5	0.00
03/08/2022 10:20	4.7	200	17	6.8	0.00
03/08/2022 10:30	4.5	211	21	6.3	0.00
03/08/2022 10:40	4.5	206	21	6.4	0.00
03/08/2022 10:50	4.3	209	19	7.5	0.00
03/08/2022 11:00	4.2	208	19	6.2	0.00
03/08/2022 11:10	4.5	222	27	6.4	0.00
03/08/2022 11:20	4.5	220	23	6.8	0.00
03/08/2022 11:30	4.3	228	20	7.7	0.00
03/08/2022 11:40	4.6	227	22	7.4	0.00
03/08/2022 11:50	4.6	218	17	6.9	0.00
03/08/2022 12:00	4.8	210	18	7.2	0.00
03/08/2022 12:10	4.9	205	17	7.8	0.00
03/08/2022 12:20	4.1	233	21	6.3	0.00
03/08/2022 12:30	4.7	220	20	6.6	0.00
03/08/2022 12:40	4.4	232	19	6.8	0.00
03/08/2022 12:50	4.2	242	21	6.3	0.00
03/08/2022 13:00	4.9	246	17	7.2	0.00
03/08/2022 13:10	4.6	229	22	7.5	0.00
03/08/2022 13:20	5.1	236	18	7.4	0.00
03/08/2022 13:30	4.7	248	20	7.0	0.00





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/08/2022 13:40	4.8	247	18	7.2	0.00
03/08/2022 13:50	5.5	247	17	7.5	0.00
03/08/2022 14:00	5.2	252	17	7.3	0.00
03/08/2022 14:10	5.0	256	16	7.5	0.00
03/08/2022 14:20	5.1	251	18	7.5	0.00
03/08/2022 14:30	4.7	257	19	7.2	0.00
03/08/2022 14:40	5.0	250	18	7.5	0.00
03/08/2022 14:50	5.3	248	20	8.1	0.00
03/08/2022 15:00	5.7	250	17	7.5	0.00
03/08/2022 15:10	5.2	252	19	8.1	0.00
03/08/2022 15:20	4.7	253	19	6.8	0.00
03/08/2022 15:30	5.0	251	18	7.5	0.00
03/08/2022 15:40	4.6	259	17	7.2	0.00
03/08/2022 15:50	4.8	251	19	7.4	0.00
03/08/2022 16:00	4.7	256	18	7.2	0.00
03/08/2022 16:10	4.3	256	18	6.9	0.00
03/08/2022 16:20	4.9	249	17	7.2	0.00
03/08/2022 16:30	5.3	249	16	7.2	0.00
03/08/2022 16:40	4.6	256	18	6.9	0.00
03/08/2022 16:50	4.1	261	19	6.2	0.00
03/08/2022 17:00	4.9	248	14	7.5	0.00
03/08/2022 17:10	4.9	255	13	6.5	0.00
03/08/2022 17:20	4.4	252	17	6.7	0.00
03/08/2022 17:30	4.6	252	18	7.4	0.00
03/08/2022 17:40	5.1	252	18	8.4	0.00
03/08/2022 17:50	4.7	256	19	6.9	0.00
03/08/2022 18:00	4.6	257	17	6.3	0.00
03/08/2022 18:10	4.6	252	16	6.8	0.00
03/08/2022 18:20	4.6	252	16	6.4	0.00
03/08/2022 18:30	4.5	254	18	6.6	0.00
03/08/2022 18:40	4.6	254	15	6.7	0.00
03/08/2022 18:50	4.3	253	17	6.5	0.00
03/08/2022 19:00	4.4	253	18	6.5	0.00
03/08/2022 19:10	4.7	248	17	6.6	0.00
03/08/2022 19:20	4.1	247	17	6.4	0.00
03/08/2022 19:30	3.8	241	19	5.7	0.00
03/08/2022 19:40	3.9	242	16	5.9	0.00
03/08/2022 19:50	3.3	242	23	5.0	0.00
03/08/2022 20:00	3.6	242	18	5.2	0.00
03/08/2022 20:10	3.2	245	20	5.0	0.00
03/08/2022 20:20	3.6	238	16	5.7	0.00
03/08/2022 20:30	2.9	246	20	4.4	0.00
03/08/2022 20:40	2.4	240	20	4.1	0.00
03/08/2022 20:50	3.1	233	15	4.4	0.00
03/08/2022 21:00	3.3	235	17	5.0	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/08/2022 21:10	3.0	235	20	4.2	0.00
03/08/2022 21:20	3.2	236	20	4.6	0.00
03/08/2022 21:30	3.2	233	16	4.8	0.00
03/08/2022 21:40	3.1	234	17	4.5	0.00
03/08/2022 21:50	3.0	235	17	4.8	0.00
03/08/2022 22:00	2.9	235	17	4.2	0.00
03/08/2022 22:10	3.1	237	16	4.4	0.00
03/08/2022 22:20	3.0	237	18	4.2	0.00
03/08/2022 22:30	3.5	238	15	5.0	0.00
03/08/2022 22:40	3.3	240	18	4.6	0.00
03/08/2022 22:50	3.2	239	17	4.8	0.00
03/08/2022 23:00	3.3	237	17	4.7	0.00
03/08/2022 23:10	3.1	239	18	4.8	0.00
03/08/2022 23:20	3.4	236	15	4.8	0.00
03/08/2022 23:30	3.6	238	16	5.1	0.00
03/08/2022 23:40	3.5	241	17	5.1	0.00
03/08/2022 23:50	3.9	234	19	6.0	0.00
04/08/2022 00:00	3.3	235	19	5.3	0.00
04/08/2022 00:10	3.3	240	18	4.8	0.00
04/08/2022 00:20	3.7	238	17	5.6	0.00
04/08/2022 00:30	4.6	234	16	6.0	0.00
04/08/2022 00:40	4.2	233	15	5.7	0.00
04/08/2022 00:50	4.0	242	16	5.6	0.00
04/08/2022 01:00	3.1	233	22	4.6	0.00
04/08/2022 01:10	3.1	229	23	4.8	0.00
04/08/2022 01:20	3.1	226	17	4.9	0.00
04/08/2022 01:30	3.3	228	18	5.0	0.00
04/08/2022 01:40	3.8	225	19	5.3	0.00
04/08/2022 01:50	3.6	224	17	5.8	0.00
04/08/2022 02:00	3.5	221	15	5.2	0.00
04/08/2022 02:10	3.4	222	15	5.1	0.00
04/08/2022 02:20	3.2	223	15	4.7	0.00
04/08/2022 02:30	3.0	221	17	4.7	0.00
04/08/2022 02:40	3.1	224	14	4.7	0.00
04/08/2022 02:50	3.2	226	16	4.8	0.00
04/08/2022 03:00	2.8	226	15	4.2	0.00
04/08/2022 03:10	2.8	224	15	4.2	0.00
04/08/2022 03:20	2.7	230	17	4.0	0.00
04/08/2022 03:30	2.4	226	15	3.6	0.00
04/08/2022 03:40	2.8	212	17	4.0	0.00
04/08/2022 03:50	3.5	210	16	6.4	0.00
04/08/2022 04:00	3.0	216	19	4.7	0.00
04/08/2022 04:10	2.9	221	18	5.1	0.00
04/08/2022 04:20	2.8	218	18	5.0	0.00
04/08/2022 04:30	3.0	210	15	4.7	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/08/2022 04:40	3.0	208	16	5.0	0.00
04/08/2022 04:50	2.9	202	21	4.6	0.00
04/08/2022 05:00	3.1	192	16	4.9	0.00
04/08/2022 05:10	3.4	189	16	5.1	0.00
04/08/2022 05:20	3.5	188	14	4.8	0.00
04/08/2022 05:30	3.4	192	15	5.1	0.00
04/08/2022 05:40	3.4	190	17	4.8	0.00
04/08/2022 05:50	3.5	190	15	5.2	0.00
04/08/2022 06:00	3.7	190	16	5.3	0.00
04/08/2022 06:10	3.5	192	14	4.7	0.00
04/08/2022 06:20	3.1	192	14	4.8	0.00
04/08/2022 06:30	3.3	190	17	5.0	0.00
04/08/2022 06:40	3.3	192	19	4.9	0.00
04/08/2022 06:50	3.4	192	16	5.3	0.00
04/08/2022 07:00	3.2	191	13	4.9	0.00
04/08/2022 07:10	3.0	187	16	4.7	0.00
04/08/2022 07:20	3.2	190	17	4.9	0.00
04/08/2022 07:30	3.6	189	14	5.0	0.00
04/08/2022 07:40	3.7	187	16	5.3	0.00
04/08/2022 07:50	3.5	189	15	5.2	0.00
04/08/2022 08:00	3.7	191	14	5.5	0.00
04/08/2022 08:10	3.7	184	18	5.5	0.00
04/08/2022 08:20	3.8	188	16	5.6	0.00
04/08/2022 08:30	3.8	184	16	5.6	0.00
04/08/2022 08:40	3.5	177	16	5.3	0.00
04/08/2022 08:50	3.5	186	20	5.0	0.00
04/08/2022 09:00	3.1	177	23	4.8	0.00
04/08/2022 09:10	2.9	170	23	4.4	0.00
04/08/2022 09:20	3.1	176	19	4.8	0.00
04/08/2022 09:30	3.4	166	24	6.0	0.00
04/08/2022 09:40	3.4	176	19	5.6	0.00
04/08/2022 09:50	3.0	164	26	5.2	0.00
04/08/2022 10:00	3.0	171	27	5.1	0.00
04/08/2022 10:10	3.2	186	22	5.5	0.00
04/08/2022 10:20	3.3	191	19	5.4	0.00
04/08/2022 10:30	3.0	179	24	6.0	0.00
04/08/2022 10:40	3.1	197	23	5.5	0.00
04/08/2022 10:50	3.2	200	18	5.1	0.00
04/08/2022 11:00	2.7	177	26	5.4	0.00
04/08/2022 11:10	2.4	183	28	3.9	0.00
04/08/2022 11:20	3.3	213	25	5.1	0.00
04/08/2022 11:30	2.5	173	33	4.0	0.00
04/08/2022 11:40	3.1	202	25	5.1	0.00
04/08/2022 11:50	2.6	214	30	4.9	0.00
04/08/2022 12:00	2.4	228	32	3.5	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/08/2022 12:10	2.8	199	31	4.8	0.00
04/08/2022 12:20	2.0	237	54	3.8	0.00
04/08/2022 12:30	2.3	181	35	4.4	0.00
04/08/2022 12:40	2.6	208	25	4.3	0.00
04/08/2022 12:50	2.3	182	32	4.3	0.00
04/08/2022 13:00	2.4	165	30	5.3	0.00
04/08/2022 13:10	2.1	179	38	3.9	0.00
04/08/2022 13:20	2.5	193	31	4.5	0.00
04/08/2022 13:30	2.0	237	40	4.1	0.00
04/08/2022 13:40	2.9	189	28	6.4	0.00
04/08/2022 13:50	2.2	205	27	3.8	0.00
04/08/2022 14:00	2.9	210	28	5.0	0.00
04/08/2022 14:10	2.2	238	42	3.7	0.00
04/08/2022 14:20	2.0	251	31	4.0	0.00
04/08/2022 14:30	2.9	233	23	4.8	0.00
04/08/2022 14:40	2.5	254	19	4.1	0.00
04/08/2022 14:50	2.0	259	31	3.9	0.00
04/08/2022 15:00	2.2	245	28	3.6	0.00
04/08/2022 15:10	2.8	257	20	4.4	0.00
04/08/2022 15:20	2.7	257	18	4.1	0.00
04/08/2022 15:30	2.9	253	18	4.5	0.00
04/08/2022 15:40	2.7	245	20	3.7	0.00
04/08/2022 15:50	2.8	244	22	4.2	0.00
04/08/2022 16:00	3.2	247	18	4.9	0.00
04/08/2022 16:10	2.9	252	14	4.5	0.00
04/08/2022 16:20	2.7	253	18	4.1	0.00
04/08/2022 16:30	2.7	253	14	3.9	0.00
04/08/2022 16:40	2.8	255	20	3.8	0.00
04/08/2022 16:50	2.5	257	17	3.6	0.00
04/08/2022 17:00	2.7	253	14	4.2	0.00
04/08/2022 17:10	2.6	256	16	3.6	0.00
04/08/2022 17:20	2.5	258	14	3.4	0.00
04/08/2022 17:30	2.3	258	15	3.5	0.00
04/08/2022 17:40	2.3	262	18	3.6	0.00
04/08/2022 17:50	2.2	260	13	3.2	0.00
04/08/2022 18:00	2.1	263	16	3.2	0.00
04/08/2022 18:10	1.8	263	11	2.6	0.00
04/08/2022 18:20	1.7	272	14	2.4	0.00
04/08/2022 18:30	1.8	271	15	2.6	0.00
04/08/2022 18:40	1.8	273	18	2.4	0.00
04/08/2022 18:50	1.9	270	14	2.4	0.00
04/08/2022 19:00	2.3	263	14	2.9	0.00
04/08/2022 19:10	2.0	246	14	2.9	0.00
04/08/2022 19:20	2.4	231	18	3.6	0.00
04/08/2022 19:30	2.8	234	15	4.7	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/08/2022 19:40	2.8	233	14	4.1	0.00
04/08/2022 19:50	2.5	233	16	3.8	0.00
04/08/2022 20:00	2.9	233	14	4.0	0.00
04/08/2022 20:10	2.6	229	15	4.1	0.00
04/08/2022 20:20	2.2	232	16	3.1	0.00
04/08/2022 20:30	2.6	227	20	3.8	0.00
04/08/2022 20:40	2.6	232	18	4.4	0.00
04/08/2022 20:50	3.0	231	16	4.4	0.00
04/08/2022 21:00	3.0	224	16	4.4	0.00
04/08/2022 21:10	2.9	221	14	4.0	0.00
04/08/2022 21:20	2.8	224	17	4.1	0.00
04/08/2022 21:30	3.0	225	18	4.8	0.00
04/08/2022 21:40	2.9	219	14	4.2	0.00
04/08/2022 21:50	2.9	214	20	4.5	0.00
04/08/2022 22:00	3.0	206	20	4.8	0.00
04/08/2022 22:10	3.0	200	18	5.3	0.00
04/08/2022 22:20	2.9	197	16	4.3	0.00
04/08/2022 22:30	2.6	197	21	4.0	0.00
04/08/2022 22:40	3.1	191	18	4.8	0.00
04/08/2022 22:50	3.7	193	16	5.3	0.00
04/08/2022 23:00	4.0	191	16	6.0	0.00
04/08/2022 23:10	4.3	193	16	6.6	0.00
04/08/2022 23:20	3.5	189	17	5.0	0.00
04/08/2022 23:30	3.3	190	13	5.2	0.00
04/08/2022 23:40	3.6	193	15	5.7	0.00
04/08/2022 23:50	3.2	189	15	4.8	0.00
05/08/2022 00:00	3.1	190	16	4.6	0.00
05/08/2022 00:10	3.1	188	16	4.3	0.00
05/08/2022 00:20	2.6	184	15	3.7	0.00
05/08/2022 00:30	2.2	180	18	3.5	0.00
05/08/2022 00:40	2.1	184	16	3.4	0.00
05/08/2022 00:50	2.3	184	16	3.6	0.00
05/08/2022 01:00	2.1	190	17	3.6	0.00
05/08/2022 01:10	2.1	184	17	3.3	0.00
05/08/2022 01:20	1.9	184	23	3.6	0.00
05/08/2022 01:30	2.1	180	26	3.9	0.00
05/08/2022 01:40	1.7	188	23	2.6	0.00
05/08/2022 01:50	2.0	192	19	3.2	0.00
05/08/2022 02:00	2.2	194	16	3.2	0.00
05/08/2022 02:10	1.9	188	18	3.2	0.00
05/08/2022 02:20	1.7	184	22	3.3	0.00
05/08/2022 02:30	0.9	188	25	1.8	0.00
05/08/2022 02:40	1.3	186	29	2.6	0.00
05/08/2022 02:50	1.2	156	38	2.4	0.00
05/08/2022 03:00	1.0	147	40	2.6	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/08/2022 03:10	1.2	155	32	2.4	0.00
05/08/2022 03:20	1.3	154	29	2.7	0.00
05/08/2022 03:30	1.2	147	30	1.7	0.00
05/08/2022 03:40	0.8	153	33	1.6	0.00
05/08/2022 03:50	0.8	138	34	1.2	0.00
05/08/2022 04:00	0.9	151	28	1.7	0.00
05/08/2022 04:10	1.0	156	32	2.0	0.00
05/08/2022 04:20	0.6	155	27	1.1	0.00
05/08/2022 04:30	0.6	184	35	0.8	0.00
05/08/2022 04:40	0.5	223	28	0.9	0.00
05/08/2022 04:50	0.7	214	17	0.9	0.00
05/08/2022 05:00	0.7	211	30	1.1	0.00
05/08/2022 05:10	0.8	179	26	1.2	0.00
05/08/2022 05:20	0.7	165	33	1.3	0.00
05/08/2022 05:30	0.5	178	23	1.1	0.00
05/08/2022 05:40	0.5	186	29	0.7	0.00
05/08/2022 05:50	0.3	178	33	0.7	0.00
05/08/2022 06:00	0.2	193	9	0.6	0.00
05/08/2022 06:10	0.5	147	28	1.2	0.00
05/08/2022 06:20	0.5	130	30	1.0	0.00
05/08/2022 06:30	0.7	150	29	1.5	0.00
05/08/2022 06:40	0.6	148	31	1.5	0.00
05/08/2022 06:50	0.5	157	30	0.9	0.00
05/08/2022 07:00	0.5	157	28	0.9	0.00
05/08/2022 07:10	0.6	162	28	1.2	0.00
05/08/2022 07:20	0.8	132	28	1.7	0.00
05/08/2022 07:30	0.8	139	27	1.4	0.00
05/08/2022 07:40	1.2	133	27	2.1	0.00
05/08/2022 07:50	1.3	130	30	2.0	0.00
05/08/2022 08:00	1.5	136	26	2.5	0.00
05/08/2022 08:10	1.6	120	27	2.6	0.00
05/08/2022 08:20	1.9	123	32	2.8	0.00
05/08/2022 08:30	1.9	134	25	2.8	0.00
05/08/2022 08:40	1.6	125	28	2.8	0.00
05/08/2022 08:50	1.7	124	28	2.8	0.00
05/08/2022 09:00	1.8	125	27	3.0	0.00
05/08/2022 09:10	1.9	118	29	3.7	0.00
05/08/2022 09:20	1.9	116	29	3.3	0.00
05/08/2022 09:30	2.1	118	30	4.0	0.00
05/08/2022 09:40	2.4	100	34	3.6	0.00
05/08/2022 09:50	2.3	100	30	3.7	0.00
05/08/2022 10:00	2.3	106	25	3.6	0.00
05/08/2022 10:10	2.3	99	26	3.7	0.00
05/08/2022 10:20	2.3	99	29	3.8	0.00
05/08/2022 10:30	2.4	95	23	3.6	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/08/2022 10:40	2.6	93	27	4.3	0.00
05/08/2022 10:50	2.8	108	23	4.8	0.00
05/08/2022 11:00	2.7	97	29	5.1	0.00
05/08/2022 11:10	2.5	90	30	4.8	0.00
05/08/2022 11:20	2.6	84	26	4.4	0.00
05/08/2022 11:30	2.7	70	21	4.1	0.00
05/08/2022 11:40	3.1	64	24	5.6	0.00
05/08/2022 11:50	3.1	74	22	5.3	0.00
05/08/2022 12:00	2.8	64	23	5.0	0.00
05/08/2022 12:10	3.2	62	21	5.2	0.00
05/08/2022 12:20	2.8	64	23	4.0	0.00
05/08/2022 12:30	2.8	55	22	4.8	0.00
05/08/2022 12:40	3.0	66	22	4.9	0.00
05/08/2022 12:50	2.8	58	22	4.4	0.00
05/08/2022 13:00	2.6	55	21	4.2	0.00
05/08/2022 13:10	2.6	56	24	4.4	0.00
05/08/2022 13:20	2.8	66	23	4.5	0.00
05/08/2022 13:30	2.7	59	25	4.5	0.00
05/08/2022 13:40	2.7	60	25	4.7	0.00
05/08/2022 13:50	2.6	57	21	3.9	0.00
05/08/2022 14:00	3.1	49	21	4.8	0.00
05/08/2022 14:10	3.3	52	20	5.0	0.00
05/08/2022 14:20	2.9	52	21	4.6	0.00
05/08/2022 14:30	2.7	58	27	4.3	0.00
05/08/2022 14:40	2.6	58	23	4.1	0.00
05/08/2022 14:50	2.2	60	26	3.7	0.00
05/08/2022 15:00	2.5	58	21	4.1	0.00
05/08/2022 15:10	2.3	58	22	3.6	0.00
05/08/2022 15:20	2.0	62	22	3.0	0.00
05/08/2022 15:30	2.1	72	24	3.3	0.00
05/08/2022 15:40	2.0	63	24	3.0	0.00
05/08/2022 15:50	2.0	58	25	3.1	0.00
05/08/2022 16:00	1.9	65	23	2.8	0.00
05/08/2022 16:10	1.6	70	23	2.4	0.00
05/08/2022 16:20	1.9	63	22	2.9	0.00
05/08/2022 16:30	1.8	62	18	2.8	0.00
05/08/2022 16:40	1.6	64	20	2.4	0.00
05/08/2022 16:50	1.5	61	21	2.5	0.00
05/08/2022 17:00	1.5	63	19	2.3	0.00
05/08/2022 17:10	1.7	49	17	2.8	0.00
05/08/2022 17:20	1.3	50	19	1.9	0.00
05/08/2022 17:30	0.9	49	19	1.2	0.00
05/08/2022 17:40	1.2	168	38	2.3	0.00
05/08/2022 17:50	1.3	340	27	2.2	0.00
05/08/2022 18:00	1.2	340	30	2.2	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/08/2022 18:10	1.1	324	34	2.0	0.00
05/08/2022 18:20	1.0	297	41	2.0	0.00
05/08/2022 18:30	1.0	290	39	1.7	0.00
05/08/2022 18:40	0.8	256	21	1.2	0.00
05/08/2022 18:50	1.5	260	15	2.1	0.00
05/08/2022 19:00	1.6	256	15	2.6	0.00
05/08/2022 19:10	1.8	249	16	2.6	0.00
05/08/2022 19:20	2.2	237	16	3.2	0.00
05/08/2022 19:30	2.6	239	17	3.9	0.00
05/08/2022 19:40	2.7	241	15	4.2	0.00
05/08/2022 19:50	2.5	244	16	3.4	0.00
05/08/2022 20:00	2.6	242	17	4.0	0.00
05/08/2022 20:10	2.8	237	13	4.0	0.00
05/08/2022 20:20	2.7	236	17	4.0	0.00
05/08/2022 20:30	2.8	237	17	4.0	0.00
05/08/2022 20:40	3.1	238	13	4.2	0.00
05/08/2022 20:50	2.9	241	17	4.3	0.00
05/08/2022 21:00	2.7	249	16	4.0	0.00
05/08/2022 21:10	2.5	250	15	3.9	0.00
05/08/2022 21:20	2.2	252	18	3.4	0.00
05/08/2022 21:30	2.4	251	14	3.4	0.00
05/08/2022 21:40	2.1	254	15	3.2	0.00
05/08/2022 21:50	2.5	253	16	3.6	0.00
05/08/2022 22:00	2.5	251	15	3.6	0.00
05/08/2022 22:10	2.6	250	13	4.0	0.00
05/08/2022 22:20	2.3	253	15	3.5	0.00
05/08/2022 22:30	2.5	247	16	3.5	0.00
05/08/2022 22:40	2.5	244	15	3.4	0.00
05/08/2022 22:50	2.6	244	15	3.6	0.00
05/08/2022 23:00	2.2	245	17	3.3	0.00
05/08/2022 23:10	2.2	251	17	3.5	0.00
05/08/2022 23:20	2.1	255	14	3.1	0.00
05/08/2022 23:30	2.1	256	13	2.8	0.00
05/08/2022 23:40	2.2	255	15	3.4	0.00
05/08/2022 23:50	2.2	254	14	3.6	0.00
06/08/2022 00:00	2.4	257	15	3.5	0.00
06/08/2022 00:10	2.3	262	17	3.2	0.00
06/08/2022 00:20	2.3	271	17	3.1	0.00
06/08/2022 00:30	2.6	268	16	3.6	0.00
06/08/2022 00:40	2.5	268	17	3.6	0.00
06/08/2022 00:50	2.5	263	14	3.4	0.00
06/08/2022 01:00	2.2	254	15	3.2	0.00
06/08/2022 01:10	2.2	247	16	3.0	0.00
06/08/2022 01:20	2.1	256	17	3.5	0.00
06/08/2022 01:30	2.3	261	16	3.6	0.00





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/08/2022 01:40	2.2	261	14	3.3	0.00
06/08/2022 01:50	2.2	266	17	2.9	0.00
06/08/2022 02:00	2.0	264	16	3.0	0.00
06/08/2022 02:10	1.9	261	19	3.0	0.00
06/08/2022 02:20	2.1	260	17	3.2	0.00
06/08/2022 02:30	1.9	260	24	2.8	0.00
06/08/2022 02:40	0.6	171	25	1.5	0.00
06/08/2022 02:50	1.1	229	33	1.9	0.00
06/08/2022 03:00	0.9	98	44	1.7	0.00
06/08/2022 03:10	0.7	28	29	1.2	0.00
06/08/2022 03:20	0.6	196	31	1.1	0.00
06/08/2022 03:30	0.8	16	23	1.1	0.00
06/08/2022 03:40	0.7	48	28	1.1	0.00
06/08/2022 03:50	0.7	37	23	1.2	0.00
06/08/2022 04:00	0.7	35	22	1.2	0.00
06/08/2022 04:10	0.5	18	16	0.8	0.00
06/08/2022 04:20	0.2	24	30	0.6	0.00
06/08/2022 04:30	0.0	185	4	0.4	0.00
06/08/2022 04:40	0.3	21	19	0.6	0.00
06/08/2022 04:50	0.5	66	23	1.0	0.00
06/08/2022 05:00	0.4	182	36	0.8	0.00
06/08/2022 05:10	0.3	111	45	0.8	0.00
06/08/2022 05:20	0.3	176	27	0.7	0.00
06/08/2022 05:30	0.4	181	18	0.7	0.00
06/08/2022 05:40	0.3	8	15	0.8	0.00
06/08/2022 05:50	0.5	51	45	0.8	0.00
06/08/2022 06:00	0.7	31	28	1.1	0.00
06/08/2022 06:10	0.6	19	14	0.9	0.00
06/08/2022 06:20	0.8	50	32	1.6	0.00
06/08/2022 06:30	0.5	84	37	1.2	0.00
06/08/2022 06:40	0.4	16	36	0.8	0.00
06/08/2022 06:50	0.6	38	41	0.9	0.00
06/08/2022 07:00	0.9	83	40	1.6	0.00
06/08/2022 07:10	1.2	99	34	2.2	0.00
06/08/2022 07:20	1.4	101	32	2.4	0.00
06/08/2022 07:30	1.6	99	29	2.5	0.00
06/08/2022 07:40	1.7	101	29	2.8	0.00
06/08/2022 07:50	1.6	106	27	3.0	0.00
06/08/2022 08:00	1.7	107	31	2.9	0.00
06/08/2022 08:10	2.1	95	26	4.2	0.00
06/08/2022 08:20	2.2	102	25	3.6	0.00
06/08/2022 08:30	2.1	103	31	3.4	0.00
06/08/2022 08:40	2.0	108	31	3.6	0.00
06/08/2022 08:50	2.2	115	29	3.6	0.00
06/08/2022 09:00	2.0	127	28	3.6	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/08/2022 09:10	1.9	113	30	3.1	0.00
06/08/2022 09:20	2.3	104	27	3.6	0.00
06/08/2022 09:30	2.2	93	24	4.1	0.00
06/08/2022 09:40	2.8	82	23	4.4	0.00
06/08/2022 09:50	2.8	87	28	4.8	0.00
06/08/2022 10:00	2.6	83	24	4.6	0.00
06/08/2022 10:10	2.2	71	21	4.9	0.00
06/08/2022 10:20	3.2	65	22	5.2	0.00
06/08/2022 10:30	2.8	84	21	4.4	0.00
06/08/2022 10:40	3.0	77	21	4.9	0.00
06/08/2022 10:50	3.0	75	25	4.8	0.00
06/08/2022 11:00	3.0	70	23	4.8	0.00
06/08/2022 11:10	2.7	59	24	4.1	0.00
06/08/2022 11:20	3.0	62	19	5.1	0.00
06/08/2022 11:30	2.8	61	22	4.6	0.00
06/08/2022 11:40	2.8	61	22	4.6	0.00
06/08/2022 11:50	3.1	56	22	5.3	0.00
06/08/2022 12:00	3.3	54	21	6.0	0.00
06/08/2022 12:10	3.2	60	25	5.8	0.00
06/08/2022 12:20	2.9	61	24	5.1	0.00
06/08/2022 12:30	3.2	59	23	4.8	0.00
06/08/2022 12:40	3.1	65	18	5.0	0.00
06/08/2022 12:50	3.3	75	19	5.9	0.00
06/08/2022 13:00	3.2	68	22	5.2	0.00
06/08/2022 13:10	3.4	54	20	5.8	0.00
06/08/2022 13:20	3.4	49	20	5.7	0.00
06/08/2022 13:30	3.2	52	20	4.9	0.00
06/08/2022 13:40	3.2	55	22	5.2	0.00
06/08/2022 13:50	3.4	48	23	5.6	0.00
06/08/2022 14:00	3.6	46	23	5.8	0.00
06/08/2022 14:10	2.9	52	22	4.8	0.00
06/08/2022 14:20	3.1	49	21	5.5	0.00
06/08/2022 14:30	3.1	55	18	5.1	0.00
06/08/2022 14:40	2.8	57	24	4.4	0.00
06/08/2022 14:50	2.9	52	18	4.3	0.00
06/08/2022 15:00	2.9	57	21	4.5	0.00
06/08/2022 15:10	2.8	56	19	4.0	0.00
06/08/2022 15:20	2.8	53	20	4.4	0.00
06/08/2022 15:30	2.6	63	20	4.0	0.00
06/08/2022 15:40	2.7	52	17	4.0	0.00
06/08/2022 15:50	2.4	40	24	3.9	0.00
06/08/2022 16:00	2.1	51	23	3.6	0.00
06/08/2022 16:10	2.1	50	19	3.6	0.00
06/08/2022 16:20	2.4	53	22	4.0	0.00
06/08/2022 16:30	2.3	51	20	3.4	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/08/2022 16:40	2.0	34	27	3.8	0.00
06/08/2022 16:50	2.0	29	35	4.2	0.00
06/08/2022 17:00	2.2	21	27	3.6	0.00
06/08/2022 17:10	2.3	17	28	4.0	0.00
06/08/2022 17:20	2.2	21	29	3.9	0.00
06/08/2022 17:30	2.1	22	25	3.6	0.00
06/08/2022 17:40	1.8	29	27	3.3	0.00
06/08/2022 17:50	1.9	21	28	3.0	0.00
06/08/2022 18:00	1.5	12	37	2.8	0.00
06/08/2022 18:10	1.7	18	30	3.0	0.00
06/08/2022 18:20	1.5	179	39	2.6	0.00
06/08/2022 18:30	1.3	3	38	2.1	0.00
06/08/2022 18:40	1.4	349	31	2.6	0.00
06/08/2022 18:50	1.4	333	30	2.4	0.00
06/08/2022 19:00	1.3	331	28	2.4	0.00
06/08/2022 19:10	1.8	344	19	2.8	0.00
06/08/2022 19:20	1.5	343	29	2.4	0.00
06/08/2022 19:30	1.5	335	34	3.4	0.00
06/08/2022 19:40	2.0	353	25	3.2	0.00
06/08/2022 19:50	1.6	343	25	2.9	0.00
06/08/2022 20:00	1.7	328	23	2.8	0.00
06/08/2022 20:10	1.6	345	23	2.8	0.00
06/08/2022 20:20	1.7	342	29	2.7	0.00
06/08/2022 20:30	1.5	334	20	2.4	0.00
06/08/2022 20:40	1.3	329	26	2.2	0.00
06/08/2022 20:50	1.4	332	25	2.8	0.00
06/08/2022 21:00	1.0	293	39	2.0	0.00
06/08/2022 21:10	0.9	176	53	1.6	0.00
06/08/2022 21:20	0.2	109	30	1.1	0.00
06/08/2022 21:30	0.3	57	10	0.6	0.00
06/08/2022 21:40	0.3	302	11	0.6	0.00
06/08/2022 21:50	0.2	19	7	0.8	0.00
06/08/2022 22:00	0.9	354	15	1.2	0.00
06/08/2022 22:10	1.0	278	28	1.3	0.00
06/08/2022 22:20	1.0	270	15	1.4	0.00
06/08/2022 22:30	1.0	277	17	1.6	0.00
06/08/2022 22:40	1.4	267	12	1.9	0.00
06/08/2022 22:50	1.2	264	13	1.8	0.00
06/08/2022 23:00	1.1	256	13	1.7	0.00
06/08/2022 23:10	1.3	262	16	1.8	0.00
06/08/2022 23:20	1.1	260	21	1.9	0.00
06/08/2022 23:30	1.4	258	7	1.6	0.00
06/08/2022 23:40	1.5	256	10	1.9	0.00
06/08/2022 23:50	1.2	245	10	1.7	0.00
07/08/2022 00:00	1.3	248	10	1.7	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/08/2022 00:10	1.3	259	11	1.7	0.00
07/08/2022 00:20	1.1	224	32	1.8	0.00
07/08/2022 00:30	0.3	240	52	0.8	0.00
07/08/2022 00:40	0.8	268	23	1.4	0.00
07/08/2022 00:50	1.3	246	12	1.9	0.00
07/08/2022 01:00	1.2	261	35	2.1	0.00
07/08/2022 01:10	0.3	217	45	0.8	0.00
07/08/2022 01:20	0.5	274	25	1.1	0.00
07/08/2022 01:30	1.1	248	22	1.7	0.00
07/08/2022 01:40	1.1	236	15	1.7	0.00
07/08/2022 01:50	1.0	219	20	1.7	0.00
07/08/2022 02:00	0.7	233	24	1.2	0.00
07/08/2022 02:10	0.5	197	34	1.4	0.00
07/08/2022 02:20	0.6	207	24	1.3	0.00
07/08/2022 02:30	1.4	228	17	2.2	0.00
07/08/2022 02:40	1.4	223	37	2.2	0.00
07/08/2022 02:50	0.7	172	55	1.7	0.00
07/08/2022 03:00	0.9	165	38	1.6	0.00
07/08/2022 03:10	0.8	261	41	1.5	0.00
07/08/2022 03:20	1.0	263	22	1.6	0.00
07/08/2022 03:30	1.5	256	19	2.7	0.00
07/08/2022 03:40	1.4	258	25	2.3	0.00
07/08/2022 03:50	1.2	224	37	2.6	0.00
07/08/2022 04:00	1.6	249	29	2.6	0.00
07/08/2022 04:10	1.7	267	22	2.5	0.00
07/08/2022 04:20	1.6	247	36	2.7	0.00
07/08/2022 04:30	0.3	102	28	0.8	0.00
07/08/2022 04:40	1.1	252	15	1.7	0.00
07/08/2022 04:50	1.5	234	16	2.0	0.00
07/08/2022 05:00	1.2	224	23	1.9	0.00
07/08/2022 05:10	0.9	142	32	2.1	0.00
07/08/2022 05:20	0.8	170	53	1.9	0.00
07/08/2022 05:30	0.5	134	43	1.3	0.00
07/08/2022 05:40	0.4	211	29	0.8	0.00
07/08/2022 05:50	0.7	326	27	1.2	0.00
07/08/2022 06:00	0.9	297	33	1.4	0.00
07/08/2022 06:10	0.8	182	29	1.1	0.00
07/08/2022 06:20	0.8	40	42	1.3	0.00
07/08/2022 06:30	0.9	127	68	1.7	0.00
07/08/2022 06:40	0.7	103	43	1.4	0.00
07/08/2022 06:50	0.7	142	51	1.6	0.00
07/08/2022 07:00	1.1	120	50	1.8	0.00
07/08/2022 07:10	0.7	105	54	1.6	0.00
07/08/2022 07:20	1.1	105	36	2.4	0.00
07/08/2022 07:30	1.0	125	28	2.0	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/08/2022 07:40	1.2	151	29	2.2	0.00
07/08/2022 07:50	1.0	139	29	1.7	0.00
07/08/2022 08:00	1.1	140	27	2.0	0.00
07/08/2022 08:10	1.4	105	29	2.4	0.00
07/08/2022 08:20	1.4	100	30	2.2	0.00
07/08/2022 08:30	1.5	114	30	2.8	0.00
07/08/2022 08:40	1.8	121	27	2.9	0.00
07/08/2022 08:50	1.7	123	30	2.8	0.00
07/08/2022 09:00	1.8	119	29	3.0	0.00
07/08/2022 09:10	1.9	122	30	3.1	0.00
07/08/2022 09:20	2.0	121	29	3.2	0.00
07/08/2022 09:30	1.9	112	31	2.8	0.00
07/08/2022 09:40	2.0	118	31	3.2	0.00
07/08/2022 09:50	2.1	111	34	3.3	0.00
07/08/2022 10:00	2.4	122	24	3.6	0.00
07/08/2022 10:10	2.3	112	27	3.7	0.00
07/08/2022 10:20	2.3	101	28	3.7	0.00
07/08/2022 10:30	2.6	105	28	4.0	0.00
07/08/2022 10:40	2.3	100	30	4.3	0.00
07/08/2022 10:50	2.8	93	27	4.4	0.00
07/08/2022 11:00	2.7	94	20	4.1	0.00
07/08/2022 11:10	2.6	84	22	4.1	0.00
07/08/2022 11:20	2.5	68	23	4.0	0.00
07/08/2022 11:30	2.4	73	25	4.2	0.00
07/08/2022 11:40	2.6	72	21	4.4	0.00
07/08/2022 11:50	2.7	80	21	4.1	0.00
07/08/2022 12:00	2.6	87	22	4.4	0.00
07/08/2022 12:10	2.5	75	23	4.0	0.00
07/08/2022 12:20	2.4	76	26	3.7	0.00
07/08/2022 12:30	2.6	66	23	4.0	0.00
07/08/2022 12:40	2.8	60	21	5.0	0.00
07/08/2022 12:50	3.1	64	23	5.3	0.00
07/08/2022 13:00	2.6	64	25	4.8	0.00
07/08/2022 13:10	2.8	62	22	4.8	0.00
07/08/2022 13:20	3.1	71	22	5.2	0.00
07/08/2022 13:30	2.9	57	23	4.5	0.00
07/08/2022 13:40	2.7	64	23	4.8	0.00
07/08/2022 13:50	2.9	54	22	4.6	0.00
07/08/2022 14:00	2.8	51	19	4.8	0.00
07/08/2022 14:10	1.8	63	17	4.1	0.00
07/08/2022 14:20	1.5	55	16	4.0	0.00
07/08/2022 14:30	0.4	63	9	3.3	0.00
07/08/2022 14:40					0.00
07/08/2022 14:50					0.00
07/08/2022 15:00					0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/08/2022 15:10					0.00
07/08/2022 15:20					0.00
07/08/2022 15:30					0.00
07/08/2022 15:40					0.00
07/08/2022 15:50					0.00
07/08/2022 16:00					0.00
07/08/2022 16:10					0.00
07/08/2022 16:20					0.00
07/08/2022 16:30					0.00
07/08/2022 16:40					0.00
07/08/2022 16:50	0.4	311	8	3.5	0.00
07/08/2022 17:00	2.1	337	29	3.4	0.00
07/08/2022 17:10	2.1	335	24	3.2	0.00
07/08/2022 17:20	1.9	177	36	3.1	0.00
07/08/2022 17:30	2.1	332	26	3.1	0.00
07/08/2022 17:40	1.7	333	25	3.1	0.00
07/08/2022 17:50	1.7	344	29	3.0	0.00
07/08/2022 18:00	1.6	8	34	3.0	0.00
07/08/2022 18:10	1.8	355	24	3.4	0.00
07/08/2022 18:20	2.3	346	23	3.6	0.00
07/08/2022 18:30	2.2	341	23	3.4	0.00
07/08/2022 18:40	1.9	337	25	3.0	0.00
07/08/2022 18:50	1.8	333	28	3.2	0.00
07/08/2022 19:00	1.7	330	24	2.8	0.00
07/08/2022 19:10	2.3	342	17	3.4	0.00
07/08/2022 19:20	2.0	340	19	2.8	0.00
07/08/2022 19:30	1.7	341	25	2.6	0.00
07/08/2022 19:40	1.7	337	20	2.5	0.00
07/08/2022 19:50	2.1	320	27	3.5	0.00
07/08/2022 20:00	1.8	337	21	2.7	0.00
07/08/2022 20:10	1.6	308	30	2.8	0.00
07/08/2022 20:20	1.7	251	11	2.2	0.00
07/08/2022 20:30	1.6	257	11	2.1	0.00
07/08/2022 20:40	1.7	259	15	2.7	0.00
07/08/2022 20:50	2.1	260	10	2.8	0.00
07/08/2022 21:00	1.9	270	14	2.4	0.00
07/08/2022 21:10	1.9	264	14	2.6	0.00
07/08/2022 21:20	1.8	254	15	2.4	0.00
07/08/2022 21:30	1.8	263	12	2.3	0.00
07/08/2022 21:40	1.9	265	13	2.7	0.00
07/08/2022 21:50	2.0	265	14	2.8	0.00
07/08/2022 22:00	1.3	269	13	2.0	0.00
07/08/2022 22:10	1.4	270	15	2.0	0.00
07/08/2022 22:20	1.4	272	15	2.1	0.00
07/08/2022 22:30	1.5	270	15	2.4	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/08/2022 22:40	1.6	266	15	2.4	0.00
07/08/2022 22:50	1.8	270	12	2.4	0.00
07/08/2022 23:00	2.0	267	13	2.7	0.00
07/08/2022 23:10	1.9	267	15	2.8	0.00
07/08/2022 23:20	1.6	273	15	2.4	0.00
07/08/2022 23:30	1.8	270	14	2.4	0.00
07/08/2022 23:40	1.8	267	14	2.8	0.00
07/08/2022 23:50	1.7	265	16	2.4	0.00
08/08/2022 00:00	1.9	263	16	2.8	0.00
08/08/2022 00:10	1.9	268	15	2.7	0.00
08/08/2022 00:20	1.9	265	14	2.5	0.00
08/08/2022 00:30	2.0	265	14	2.7	0.00
08/08/2022 00:40	1.9	271	14	2.7	0.00
08/08/2022 00:50	1.9	270	15	2.8	0.00
08/08/2022 01:00	2.1	264	13	3.2	0.00
08/08/2022 01:10	2.2	253	17	3.6	0.00
08/08/2022 01:20	2.0	271	17	2.8	0.00
08/08/2022 01:30	2.4	271	16	3.2	0.00
08/08/2022 01:40	2.3	265	17	3.2	0.00
08/08/2022 01:50	2.4	264	14	3.3	0.00
08/08/2022 02:00	2.3	264	14	3.2	0.00
08/08/2022 02:10	2.5	262	13	3.5	0.00
08/08/2022 02:20	2.5	263	14	3.6	0.00
08/08/2022 02:30	2.3	263	16	3.2	0.00
08/08/2022 02:40	2.4	266	13	3.8	0.00
08/08/2022 02:50	2.5	262	13	3.5	0.00
08/08/2022 03:00	2.2	261	13	2.9	0.00
08/08/2022 03:10	2.2	262	14	3.1	0.00
08/08/2022 03:20	2.2	262	15	2.8	0.00
08/08/2022 03:30	2.2	258	14	3.0	0.00
08/08/2022 03:40	2.4	255	17	3.7	0.00
08/08/2022 03:50	2.4	261	19	3.5	0.00
08/08/2022 04:00	2.3	258	17	3.2	0.00
08/08/2022 04:10	2.3	259	15	3.2	0.00
08/08/2022 04:20	2.2	261	18	3.0	0.00
08/08/2022 04:30	1.9	262	14	2.8	0.00
08/08/2022 04:40	2.0	262	15	2.9	0.00
08/08/2022 04:50	1.9	262	19	2.8	0.00
08/08/2022 05:00	2.0	257	16	3.1	0.00
08/08/2022 05:10	2.3	249	17	3.5	0.00
08/08/2022 05:20	2.3	248	14	3.2	0.00
08/08/2022 05:30	2.2	254	17	3.4	0.00
08/08/2022 05:40	2.2	263	15	3.0	0.00
08/08/2022 05:50	2.4	267	14	3.2	0.00
08/08/2022 06:00	1.8	263	16	2.7	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/08/2022 06:10	2.4	246	15	3.5	0.00
08/08/2022 06:20	2.6	244	13	3.6	0.00
08/08/2022 06:30	2.5	239	16	3.7	0.00
08/08/2022 06:40	2.3	247	15	3.5	0.00
08/08/2022 06:50	2.0	252	15	2.7	0.00
08/08/2022 07:00	1.8	255	15	2.5	0.00
08/08/2022 07:10	1.6	255	17	2.3	0.00
08/08/2022 07:20	1.8	244	17	2.8	0.00
08/08/2022 07:30	1.2	209	19	1.8	0.00
08/08/2022 07:40	1.0	221	24	1.6	0.00
08/08/2022 07:50	0.9	197	28	1.5	0.00
08/08/2022 08:00	0.7	189	26	1.2	0.00
08/08/2022 08:10	1.0	151	25	1.5	0.00
08/08/2022 08:20	1.1	120	26	1.8	0.00
08/08/2022 08:30	1.1	99	28	1.7	0.00
08/08/2022 08:40	1.1	115	24	2.0	0.00
08/08/2022 08:50	1.6	102	25	2.2	0.00
08/08/2022 09:00	1.3	101	23	2.0	0.00
08/08/2022 09:10	1.4	115	26	2.2	0.00
08/08/2022 09:20	1.3	122	35	2.1	0.00
08/08/2022 09:30	1.2	128	29	2.1	0.00
08/08/2022 09:40	1.3	111	29	2.0	0.00
08/08/2022 09:50	1.5	132	30	2.4	0.00
08/08/2022 10:00	1.5	139	29	2.4	0.00
08/08/2022 10:10	1.4	152	28	2.4	0.00
08/08/2022 10:20	1.2	105	26	2.0	0.00
08/08/2022 10:30	1.3	92	37	2.3	0.00
08/08/2022 10:40	1.5	95	27	2.9	0.00
08/08/2022 10:50	1.5	73	25	2.6	0.00
08/08/2022 11:00	1.6	82	27	2.5	0.00
08/08/2022 11:10	1.4	99	28	2.4	0.00
08/08/2022 11:20	1.3	88	38	2.2	0.00
08/08/2022 11:30	1.4	78	33	2.5	0.00
08/08/2022 11:40	1.3	85	37	2.4	0.00
08/08/2022 11:50	1.3	51	34	2.1	0.00
08/08/2022 12:00	1.0	63	78	1.9	0.00
08/08/2022 12:10	1.2	58	40	2.0	0.00
08/08/2022 12:20	1.4	67	47	2.2	0.00
08/08/2022 12:30	1.5	82	26	2.4	0.00
08/08/2022 12:40	1.6	45	40	2.4	0.00
08/08/2022 12:50	1.7	67	33	2.8	0.00
08/08/2022 13:00	1.8	51	26	3.2	0.00
08/08/2022 13:10	1.9	69	23	2.8	0.00
08/08/2022 13:20	1.7	65	26	2.6	0.00
08/08/2022 13:30	1.8	58	27	3.1	0.00





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/08/2022 13:40	1.3	55	36	2.3	0.00
08/08/2022 13:50	1.6	15	47	2.8	0.00
08/08/2022 14:00	1.9	324	39	3.0	0.00
08/08/2022 14:10	2.0	319	30	3.4	0.00
08/08/2022 14:20	2.1	320	39	3.6	0.00
08/08/2022 14:30	1.9	297	46	3.3	0.00
08/08/2022 14:40	2.2	320	30	3.7	0.00
08/08/2022 14:50	2.4	312	29	3.8	0.00
08/08/2022 15:00	1.9	10	34	3.2	0.00
08/08/2022 15:10	2.4	324	31	3.8	0.00
08/08/2022 15:20	2.5	337	29	3.7	0.00
08/08/2022 15:30	2.1	329	28	3.1	0.00
08/08/2022 15:40	2.2	323	32	3.4	0.00
08/08/2022 15:50	2.2	325	30	3.6	0.00
08/08/2022 16:00	1.9	301	39	3.8	0.00
08/08/2022 16:10	1.9	315	32	3.4	0.00
08/08/2022 16:20	2.1	313	39	4.0	0.00
08/08/2022 16:30	2.0	317	40	3.4	0.00
08/08/2022 16:40	1.7	269	47	3.6	0.00
08/08/2022 16:50	1.7	287	36	3.0	0.00
08/08/2022 17:00	1.8	297	36	3.1	0.00
08/08/2022 17:10	1.8	274	36	3.3	0.00
08/08/2022 17:20	1.4	286	47	2.5	0.00
08/08/2022 17:30	1.7	312	40	2.9	0.00
08/08/2022 17:40	1.7	268	34	2.8	0.00
08/08/2022 17:50	1.6	261	27	2.7	0.00
08/08/2022 18:00	1.4	258	27	2.0	0.00
08/08/2022 18:10	1.4	274	32	2.5	0.00
08/08/2022 18:20	1.6	263	31	2.5	0.00
08/08/2022 18:30	1.3	267	33	2.2	0.00
08/08/2022 18:40	1.4	260	22	2.0	0.00
08/08/2022 18:50	1.5	261	18	2.5	0.00
08/08/2022 19:00	1.7	265	23	2.3	0.00
08/08/2022 19:10	2.0	256	13	2.8	0.00
08/08/2022 19:20	2.7	253	14	3.9	0.00
08/08/2022 19:30	2.5	250	15	3.6	0.00
08/08/2022 19:40	3.1	253	14	4.7	0.00
08/08/2022 19:50	3.2	254	13	4.5	0.00
08/08/2022 20:00	3.0	253	17	4.2	0.00
08/08/2022 20:10	2.7	247	18	4.0	0.00
08/08/2022 20:20	3.0	252	14	4.1	0.00
08/08/2022 20:30	3.1	247	16	4.4	0.00
08/08/2022 20:40	3.1	257	14	4.4	0.00
08/08/2022 20:50	2.5	252	15	3.6	0.00
08/08/2022 21:00	2.2	247	17	3.2	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/08/2022 21:10	2.0	247	15	2.8	0.00
08/08/2022 21:20	2.6	246	18	4.0	0.00
08/08/2022 21:30	2.2	244	16	3.2	0.00
08/08/2022 21:40	2.4	244	16	3.6	0.00
08/08/2022 21:50	2.8	249	16	4.2	0.00
08/08/2022 22:00	2.7	255	16	4.1	0.00
08/08/2022 22:10	2.6	248	15	3.6	0.00
08/08/2022 22:20	2.8	257	14	4.0	0.00
08/08/2022 22:30	2.8	258	14	3.9	0.00
08/08/2022 22:40	2.4	256	15	3.6	0.00
08/08/2022 22:50	2.3	256	16	3.2	0.00
08/08/2022 23:00	2.2	259	13	3.1	0.00
08/08/2022 23:10	2.0	264	16	2.8	0.00
08/08/2022 23:20	2.1	264	15	2.8	0.00
08/08/2022 23:30	2.1	267	16	2.8	0.00
08/08/2022 23:40	2.0	267	16	3.2	0.00
08/08/2022 23:50	2.4	267	17	3.2	0.00
09/08/2022 00:00	2.4	266	15	3.3	0.00
09/08/2022 00:10	2.6	263	15	3.7	0.00
09/08/2022 00:20	2.4	270	17	3.3	0.00
09/08/2022 00:30	2.6	271	17	3.4	0.00
09/08/2022 00:40	2.5	268	16	3.3	0.00
09/08/2022 00:50	2.3	277	19	3.3	0.00
09/08/2022 01:00	2.5	269	15	3.9	0.00
09/08/2022 01:10	2.6	267	17	3.6	0.00
09/08/2022 01:20	2.3	272	17	3.2	0.00
09/08/2022 01:30	2.8	271	19	4.0	0.00
09/08/2022 01:40	3.0	269	16	4.0	0.00
09/08/2022 01:50	2.9	262	13	4.0	0.00
09/08/2022 02:00	2.9	265	15	4.0	0.00
09/08/2022 02:10	2.8	260	16	4.3	0.00
09/08/2022 02:20	2.7	255	16	3.8	0.00
09/08/2022 02:30	2.6	259	15	3.6	0.00
09/08/2022 02:40	2.7	260	15	4.0	0.00
09/08/2022 02:50	2.5	259	17	3.6	0.00
09/08/2022 03:00	2.6	262	17	3.7	0.00
09/08/2022 03:10	2.4	267	18	3.7	0.00
09/08/2022 03:20	2.3	255	22	3.5	0.00
09/08/2022 03:30	2.0	252	21	3.2	0.00
09/08/2022 03:40	2.2	248	21	3.4	0.00
09/08/2022 03:50	2.8	237	21	4.7	0.00
09/08/2022 04:00	3.1	220	16	4.8	0.00
09/08/2022 04:10	4.0	210	15	6.8	0.00
09/08/2022 04:20	4.5	205	17	6.9	0.00
09/08/2022 04:30	4.1	201	17	6.5	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/08/2022 04:40	3.4	195	18	4.9	0.00
09/08/2022 04:50	3.4	197	20	5.9	0.00
09/08/2022 05:00	3.1	192	15	4.4	0.00
09/08/2022 05:10	3.4	193	17	5.2	0.00
09/08/2022 05:20	3.2	198	20	4.9	0.00
09/08/2022 05:30	3.3	192	16	4.9	0.00
09/08/2022 05:40	3.1	195	18	5.0	0.00
09/08/2022 05:50	2.5	198	23	4.3	0.00
09/08/2022 06:00	2.8	195	18	4.6	0.00
09/08/2022 06:10	2.8	196	17	4.2	0.00
09/08/2022 06:20	2.8	193	17	4.6	0.00
09/08/2022 06:30	3.6	186	16	5.5	0.00
09/08/2022 06:40	2.4	194	19	4.0	0.00
09/08/2022 06:50	2.5	208	19	4.4	0.00
09/08/2022 07:00	2.8	182	16	4.3	0.00
09/08/2022 07:10	3.3	192	15	5.4	0.00
09/08/2022 07:20	2.8	191	18	4.8	0.00
09/08/2022 07:30	3.2	195	18	5.2	0.00
09/08/2022 07:40	3.5	190	21	4.8	0.00
09/08/2022 07:50	3.6	195	19	5.6	0.00
09/08/2022 08:00	3.7	191	19	5.2	0.00
09/08/2022 08:10	4.3	186	16	6.8	0.00
09/08/2022 08:20	4.4	193	17	6.2	0.00
09/08/2022 08:30	4.8	188	13	7.2	0.00
09/08/2022 08:40	4.3	189	18	6.4	0.00
09/08/2022 08:50	3.9	178	23	5.8	0.00
09/08/2022 09:00	2.8	176	23	5.0	0.00
09/08/2022 09:10	2.6	174	19	5.6	0.00
09/08/2022 09:20	3.3	172	23	5.6	0.00
09/08/2022 09:30	3.6	180	20	6.1	0.00
09/08/2022 09:40	4.2	185	15	6.0	0.00
09/08/2022 09:50	4.4	189	15	5.8	0.00
09/08/2022 10:00	3.9	188	15	5.4	0.00
09/08/2022 10:10	2.9	172	23	4.5	0.00
09/08/2022 10:20	3.5	185	19	5.5	0.00
09/08/2022 10:30	3.5	182	18	5.5	0.00
09/08/2022 10:40	2.7	165	19	4.8	0.00
09/08/2022 10:50	2.1	167	25	4.1	0.00
09/08/2022 11:00	2.3	160	29	4.0	0.00
09/08/2022 11:10	2.3	158	29	3.5	0.00
09/08/2022 11:20	3.7	187	18	5.2	0.00
09/08/2022 11:30	3.2	174	28	5.5	0.00
09/08/2022 11:40	3.5	188	16	5.0	0.00
09/08/2022 11:50	3.6	194	15	4.8	0.00
09/08/2022 12:00	3.2	191	15	4.5	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/08/2022 12:10	3.2	184	17	4.4	0.00
09/08/2022 12:20	3.0	179	22	4.4	0.00
09/08/2022 12:30	3.1	186	14	4.5	0.00
09/08/2022 12:40	3.1	189	18	4.9	0.00
09/08/2022 12:50	3.2	185	15	4.4	0.00
09/08/2022 13:00	2.9	186	18	4.5	0.00
09/08/2022 13:10	2.9	186	20	4.1	0.00
09/08/2022 13:20	2.9	182	19	4.6	0.00
09/08/2022 13:30	3.3	176	18	4.8	0.00
09/08/2022 13:40	3.3	195	16	4.7	0.00
09/08/2022 13:50	3.2	195	16	5.1	0.00
09/08/2022 14:00	3.6	191	16	4.8	0.00
09/08/2022 14:10	3.4	187	17	5.2	0.00
09/08/2022 14:20	3.6	185	16	4.8	0.00
09/08/2022 14:30	3.7	192	13	5.4	0.00
09/08/2022 14:40	3.5	193	13	4.8	0.00
09/08/2022 14:50	3.6	191	17	5.2	0.00
09/08/2022 15:00	3.6	187	18	6.0	0.00
09/08/2022 15:10	3.3	182	18	5.1	0.00
09/08/2022 15:20	3.7	186	20	6.7	0.00
09/08/2022 15:30	3.7	185	17	5.7	0.00
09/08/2022 15:40	3.4	183	18	5.2	0.00
09/08/2022 15:50	3.8	184	16	6.0	0.00
09/08/2022 16:00	3.6	185	20	5.5	0.00
09/08/2022 16:10	3.6	181	17	5.8	0.00
09/08/2022 16:20	3.7	182	16	5.3	0.00
09/08/2022 16:30	3.6	179	19	5.7	0.00
09/08/2022 16:40	3.4	183	19	5.1	0.00
09/08/2022 16:50	2.6	174	22	4.7	0.00
09/08/2022 17:00	2.7	185	19	4.0	0.00
09/08/2022 17:10	3.3	191	13	4.9	0.00
09/08/2022 17:20	3.0	188	15	3.9	0.00
09/08/2022 17:30	3.0	195	15	4.4	0.00
09/08/2022 17:40	2.9	192	14	4.5	0.00
09/08/2022 17:50	2.8	192	14	4.3	0.00
09/08/2022 18:00	2.6	197	15	3.6	0.00
09/08/2022 18:10	2.0	192	14	3.1	0.00
09/08/2022 18:20	1.6	181	20	2.3	0.00
09/08/2022 18:30	1.5	194	16	2.5	0.00
09/08/2022 18:40	1.3	185	20	2.1	0.00
09/08/2022 18:50	0.5	195	19	0.9	0.00
09/08/2022 19:00	0.5	211	25	1.2	0.00
09/08/2022 19:10	0.4	188	26	1.0	0.00
09/08/2022 19:20	0.8	223	19	1.3	0.00
09/08/2022 19:30	0.9	223	16	1.4	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/08/2022 19:40	0.6	212	19	1.1	0.00
09/08/2022 19:50	1.4	214	9	2.0	0.00
09/08/2022 20:00	1.1	210	17	1.7	0.00
09/08/2022 20:10	1.4	221	15	2.0	0.00
09/08/2022 20:20	1.4	234	18	2.2	0.00
09/08/2022 20:30	1.2	242	25	2.0	0.00
09/08/2022 20:40	1.2	215	18	2.0	0.00
09/08/2022 20:50	1.1	206	17	1.7	0.00
09/08/2022 21:00	0.4	152	30	0.8	0.00
09/08/2022 21:10	0.2	245	14	0.8	0.00
09/08/2022 21:20	1.2	215	10	2.1	0.00
09/08/2022 21:30	1.4	208	13	2.0	0.00
09/08/2022 21:40	1.8	202	13	2.4	0.00
09/08/2022 21:50	1.8	205	10	2.4	0.00
09/08/2022 22:00	2.1	202	11	3.1	0.00
09/08/2022 22:10	1.9	203	12	2.8	0.00
09/08/2022 22:20	2.2	191	13	3.0	0.00
09/08/2022 22:30	2.3	193	15	3.5	0.00
09/08/2022 22:40	2.4	192	14	3.3	0.00
09/08/2022 22:50	2.8	187	14	4.5	0.00
09/08/2022 23:00	2.7	187	16	3.9	0.00
09/08/2022 23:10	3.1	190	14	4.3	0.00
09/08/2022 23:20	3.1	190	15	4.2	0.00
09/08/2022 23:30	3.0	196	16	4.5	0.00
09/08/2022 23:40	3.1	192	15	4.5	0.00
09/08/2022 23:50	3.5	193	14	5.3	0.00
10/08/2022 00:00	3.6	194	14	5.4	0.00
10/08/2022 00:10	3.4	191	15	4.4	0.00
10/08/2022 00:20	2.8	189	17	4.1	0.00
10/08/2022 00:30	3.0	193	15	4.5	0.00
10/08/2022 00:40	2.8	192	12	3.9	0.00
10/08/2022 00:50	3.0	191	15	4.6	0.00
10/08/2022 01:00	3.2	190	16	5.2	0.00
10/08/2022 01:10	3.7	190	17	5.8	0.00
10/08/2022 01:20	3.6	188	16	6.0	0.00
10/08/2022 01:30	3.6	190	15	5.6	0.00
10/08/2022 01:40	3.4	186	17	4.8	0.00
10/08/2022 01:50	3.4	186	15	4.8	0.00
10/08/2022 02:00	3.8	186	13	6.4	0.00
10/08/2022 02:10	3.8	186	14	5.9	0.00
10/08/2022 02:20	3.1	185	20	4.5	0.00
10/08/2022 02:30	3.5	184	16	5.9	0.00
10/08/2022 02:40	3.2	184	17	4.7	0.00
10/08/2022 02:50	2.8	178	18	4.4	0.00
10/08/2022 03:00	2.1	169	27	4.2	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/08/2022 03:10	2.4	184	18	3.9	0.00
10/08/2022 03:20	2.7	183	17	4.0	0.00
10/08/2022 03:30	2.7	186	17	4.4	0.00
10/08/2022 03:40	2.3	181	20	3.6	0.00
10/08/2022 03:50	1.9	177	23	3.4	0.00
10/08/2022 04:00	1.9	168	27	3.1	0.00
10/08/2022 04:10	1.8	166	22	3.2	0.00
10/08/2022 04:20	1.9	169	23	3.2	0.00
10/08/2022 04:30	1.4	181	21	2.0	0.00
10/08/2022 04:40	1.4	189	18	2.4	0.00
10/08/2022 04:50	1.9	199	18	3.0	0.00
10/08/2022 05:00	1.9	203	17	3.2	0.00
10/08/2022 05:10	2.0	203	16	3.1	0.00
10/08/2022 05:20	1.9	201	17	3.2	0.00
10/08/2022 05:30	1.7	189	19	2.5	0.00
10/08/2022 05:40	1.9	199	16	3.0	0.00
10/08/2022 05:50	1.7	201	13	2.4	0.00
10/08/2022 06:00	1.1	193	16	1.9	0.00
10/08/2022 06:10	1.5	199	21	2.7	0.00
10/08/2022 06:20	1.7	203	13	2.6	0.00
10/08/2022 06:30	1.2	190	25	2.0	0.00
10/08/2022 06:40	0.9	198	20	1.5	0.00
10/08/2022 06:50	0.9	186	23	1.4	0.00
10/08/2022 07:00	0.9	161	33	1.7	0.00
10/08/2022 07:10	1.3	177	29	2.5	0.00
10/08/2022 07:20	1.2	180	41	2.1	0.00
10/08/2022 07:30	1.1	195	26	1.6	0.00
10/08/2022 07:40	1.6	171	25	2.5	0.00
10/08/2022 07:50	1.6	169	25	2.6	0.00
10/08/2022 08:00	1.7	164	22	3.2	0.00
10/08/2022 08:10	1.7	159	25	2.7	0.00
10/08/2022 08:20	1.9	159	24	3.3	0.00
10/08/2022 08:30	1.9	157	25	3.6	0.00
10/08/2022 08:40	2.1	146	23	3.4	0.00
10/08/2022 08:50	1.8	142	25	3.1	0.00
10/08/2022 09:00	2.0	142	31	3.3	0.00
10/08/2022 09:10	2.1	137	30	3.5	0.00
10/08/2022 09:20	2.2	132	28	3.4	0.00
10/08/2022 09:30	2.4	128	32	4.2	0.00
10/08/2022 09:40	2.4	123	25	4.2	0.00
10/08/2022 09:50	2.4	126	26	4.4	0.00
10/08/2022 10:00	2.4	118	30	3.9	0.00
10/08/2022 10:10	2.9	114	31	4.8	0.00
10/08/2022 10:20	2.6	114	32	4.3	0.00
10/08/2022 10:30	3.1	114	25	4.7	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/08/2022 10:40	3.0	113	32	5.2	0.00
10/08/2022 10:50	3.3	106	26	5.2	0.00
10/08/2022 11:00	3.0	101	27	4.7	0.00
10/08/2022 11:10	3.1	105	30	4.8	0.00
10/08/2022 11:20	2.8	107	32	4.6	0.00
10/08/2022 11:30	2.9	90	27	4.8	0.00
10/08/2022 11:40	3.2	88	24	5.4	0.00
10/08/2022 11:50	3.1	87	26	5.0	0.00
10/08/2022 12:00	3.1	77	25	4.8	0.00
10/08/2022 12:10	3.0	81	25	4.8	0.00
10/08/2022 12:20	3.1	82	24	5.0	0.00
10/08/2022 12:30	2.9	84	26	5.1	0.00
10/08/2022 12:40	3.0	78	23	4.8	0.00
10/08/2022 12:50	2.8	80	26	4.8	0.00
10/08/2022 13:00	2.4	83	28	3.7	0.00
10/08/2022 13:10	2.3	98	32	3.7	0.00
10/08/2022 13:20	2.3	84	27	4.0	0.00
10/08/2022 13:30	0.6	71	14	3.0	0.00
10/08/2022 13:40	0.3	59	11	3.6	0.00
10/08/2022 13:50					0.00
10/08/2022 14:00					0.00
10/08/2022 14:10					0.00
10/08/2022 14:20					0.00
10/08/2022 14:30					0.00
10/08/2022 14:40					0.00
10/08/2022 14:50					0.00
10/08/2022 15:00	0.0	71	1	1.4	0.00
10/08/2022 15:10	0.0	86	0	1.4	0.00
10/08/2022 15:20	0.0	56	2	0.7	0.00
10/08/2022 15:30					0.00
10/08/2022 15:40					0.00
10/08/2022 15:50					0.00
10/08/2022 16:00					0.00
10/08/2022 16:10					0.00
10/08/2022 16:20					0.00
10/08/2022 16:30	0.0	59	0	0.4	0.00
10/08/2022 16:40					0.00
10/08/2022 16:50					0.00
10/08/2022 17:00	2.3	53	19	4.0	0.00
10/08/2022 17:10	2.4	50	18	3.6	0.00
10/08/2022 17:20	2.0	50	18	3.3	0.00
10/08/2022 17:30	2.0	48	16	3.4	0.00
10/08/2022 17:40	2.0	46	19	3.2	0.00
10/08/2022 17:50	1.1	197	31	2.0	0.00
10/08/2022 18:00	1.0	244	66	2.0	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/08/2022 18:10	1.7	234	21	2.6	0.00
10/08/2022 18:20	2.2	251	14	2.9	0.00
10/08/2022 18:30	2.1	258	11	2.6	0.00
10/08/2022 18:40	2.0	258	12	2.4	0.00
10/08/2022 18:50	1.8	250	12	2.8	0.00
10/08/2022 19:00	2.1	254	10	3.1	0.00
10/08/2022 19:10	2.2	253	12	2.8	0.00
10/08/2022 19:20	2.0	251	11	3.0	0.00
10/08/2022 19:30	1.9	252	10	2.7	0.00
10/08/2022 19:40	2.0	255	14	2.8	0.00
10/08/2022 19:50	1.7	258	11	2.4	0.00
10/08/2022 20:00	1.7	258	10	2.3	0.00
10/08/2022 20:10	1.6	259	9	2.0	0.00
10/08/2022 20:20	1.8	258	8	2.4	0.00
10/08/2022 20:30	1.6	263	9	2.0	0.00
10/08/2022 20:40	1.4	259	12	1.9	0.00
10/08/2022 20:50	1.2	258	14	1.6	0.00
10/08/2022 21:00	0.9	246	13	1.4	0.00
10/08/2022 21:10	1.1	255	16	1.8	0.00
10/08/2022 21:20	1.1	269	17	1.4	0.00
10/08/2022 21:30	1.2	261	11	1.5	0.00
10/08/2022 21:40	0.9	255	46	1.3	0.00
10/08/2022 21:50	0.4	16	14	0.8	0.00
10/08/2022 22:00	0.3	188	8	0.7	0.00
10/08/2022 22:10	0.8	345	9	1.1	0.00
10/08/2022 22:20	0.7	334	24	1.2	0.00
10/08/2022 22:30	0.4	186	17	0.8	0.00
10/08/2022 22:40	0.7	356	26	1.0	0.00
10/08/2022 22:50	0.5	7	10	1.0	0.00
10/08/2022 23:00	0.4	354	11	0.7	0.00
10/08/2022 23:10	0.5	181	16	0.8	0.00
10/08/2022 23:20	0.7	347	15	1.0	0.00
10/08/2022 23:30	0.7	186	15	0.9	0.00
10/08/2022 23:40	0.8	36	18	1.2	0.00
10/08/2022 23:50	0.6	27	24	1.0	0.00
11/08/2022 00:00	0.4	38	19	0.9	0.00
11/08/2022 00:10	0.6	39	20	0.9	0.00
11/08/2022 00:20	0.5	31	28	0.8	0.00
11/08/2022 00:30	0.2	30	22	0.6	0.00
11/08/2022 00:40	0.5	27	24	0.8	0.00
11/08/2022 00:50	0.2	197	13	0.5	0.00
11/08/2022 01:00	0.3	41	26	0.6	0.00
11/08/2022 01:10	0.1	276	18	0.6	0.00
11/08/2022 01:20	0.2	35	20	0.6	0.00
11/08/2022 01:30	0.9	73	30	1.8	0.00





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/08/2022 01:40	1.1	88	27	1.9	0.00
11/08/2022 01:50	1.1	99	33	1.7	0.00
11/08/2022 02:00	1.0	81	23	2.0	0.00
11/08/2022 02:10	0.9	63	27	2.0	0.00
11/08/2022 02:20	0.6	60	36	1.1	0.00
11/08/2022 02:30	0.5	83	36	1.2	0.00
11/08/2022 02:40	0.4	187	41	0.9	0.00
11/08/2022 02:50	0.4	38	41	0.8	0.00
11/08/2022 03:00	0.1	336	32	0.5	0.00
11/08/2022 03:10	0.2	121	43	0.6	0.00
11/08/2022 03:20	0.2	44	42	0.5	0.00
11/08/2022 03:30	0.1	50	16	0.4	0.00
11/08/2022 03:40	0.1	80	21	0.6	0.00
11/08/2022 03:50	0.5	40	36	0.9	0.00
11/08/2022 04:00	0.6	46	61	1.3	0.00
11/08/2022 04:10	1.0	88	26	1.6	0.00
11/08/2022 04:20	0.6	97	32	1.2	0.00
11/08/2022 04:30	0.6	109	32	1.4	0.00
11/08/2022 04:40	0.5	172	40	1.2	0.00
11/08/2022 04:50	0.9	82	33	1.5	0.00
11/08/2022 05:00	1.2	89	27	2.4	0.00
11/08/2022 05:10	1.4	98	25	2.7	0.00
11/08/2022 05:20	1.3	104	30	2.5	0.00
11/08/2022 05:30	1.6	95	25	3.1	0.00
11/08/2022 05:40	1.6	101	28	2.8	0.00
11/08/2022 05:50	1.4	102	29	2.9	0.00
11/08/2022 06:00	1.6	101	35	2.8	0.00
11/08/2022 06:10	1.9	107	29	3.8	0.00
11/08/2022 06:20	2.0	102	37	3.4	0.00
11/08/2022 06:30	2.3	107	30	4.0	0.00
11/08/2022 06:40	2.1	100	30	4.0	0.00
11/08/2022 06:50	2.3	102	28	3.9	0.00
11/08/2022 07:00	2.5	100	28	4.1	0.00
11/08/2022 07:10	2.5	102	37	4.4	0.00
11/08/2022 07:20	1.4	112	17	4.2	0.00
11/08/2022 07:30					0.00
11/08/2022 07:40					0.00
11/08/2022 07:50					0.00
11/08/2022 08:00					0.00
11/08/2022 08:10					0.00
11/08/2022 08:20					0.00
11/08/2022 08:30					0.00
11/08/2022 08:40					0.00
11/08/2022 08:50					0.00
11/08/2022 09:00					0.00



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/08/2022 09:10					0.00
11/08/2022 09:20					0.00
11/08/2022 09:30					0.00
11/08/2022 09:40					0.00
11/08/2022 09:50					0.00
11/08/2022 10:00					0.00
11/08/2022 10:10	3.0	117	31	5.6	0.00
11/08/2022 10:20	0.2	105	5	2.8	0.00
11/08/2022 10:30	2.1	114	20	5.3	0.00
11/08/2022 10:40	3.0	121	24	5.6	0.00
11/08/2022 10:50					0.00
11/08/2022 11:00					0.00
11/08/2022 11:10					0.00
11/08/2022 11:20					0.00
11/08/2022 11:30					0.00
11/08/2022 11:40					0.00
11/08/2022 11:50					0.00
11/08/2022 12:00					0.00
11/08/2022 12:10					0.00
11/08/2022 12:20					0.00
11/08/2022 12:30					0.00
11/08/2022 12:40					0.00
11/08/2022 12:50					0.00
11/08/2022 13:00					0.00
11/08/2022 13:10					0.00
11/08/2022 13:20					0.00
11/08/2022 13:30					0.00
11/08/2022 13:40					0.00
11/08/2022 13:50					0.00
11/08/2022 14:00					0.00
11/08/2022 14:10					0.00
11/08/2022 14:20					0.00
11/08/2022 14:30					0.00
11/08/2022 14:40					0.00
11/08/2022 14:50					0.00
11/08/2022 15:00					0.00
11/08/2022 15:10					0.00
11/08/2022 15:20					0.00
11/08/2022 15:30					0.00
11/08/2022 15:40					0.00
11/08/2022 15:50					0.00
11/08/2022 16:00					0.00
11/08/2022 16:10					0.00
11/08/2022 16:20					0.00
11/08/2022 16:30					0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/08/2022 16:40					0.00
11/08/2022 16:50					0.00
11/08/2022 17:00					0.00
11/08/2022 17:10	1.4	46	14	2.4	0.00
11/08/2022 17:20	1.8	45	18	2.6	0.00
11/08/2022 17:30	1.7	39	18	2.7	0.00
11/08/2022 17:40	1.7	43	17	2.6	0.00
11/08/2022 17:50	1.6	37	18	2.5	0.00
11/08/2022 18:00	1.6	38	19	2.0	0.00
11/08/2022 18:10	1.6	33	18	2.0	0.00
11/08/2022 18:20	1.5	29	15	2.0	0.00
11/08/2022 18:30	1.5	29	20	2.1	0.00
11/08/2022 18:40	1.4	27	16	2.0	0.00
11/08/2022 18:50	1.3	29	16	2.0	0.00
11/08/2022 19:00	0.9	33	22	1.4	0.00
11/08/2022 19:10	0.9	42	18	1.6	0.00
11/08/2022 19:20	1.5	24	15	2.0	0.00
11/08/2022 19:30	1.5	24	17	2.1	0.00
11/08/2022 19:40	1.4	21	15	1.9	0.00
11/08/2022 19:50	1.4	17	18	1.8	0.00
11/08/2022 20:00	1.2	19	17	1.6	0.00
11/08/2022 20:10	1.0	18	20	1.5	0.00
11/08/2022 20:20	0.3	102	41	0.9	0.00
11/08/2022 20:30	0.3	27	16	0.8	0.00
11/08/2022 20:40	0.4	237	20	0.8	0.00
11/08/2022 20:50	0.3	250	9	0.7	0.00
11/08/2022 21:00					0.00
11/08/2022 21:10	0.5	176	9	0.9	0.00
11/08/2022 21:20	0.9	177	13	1.2	0.00
11/08/2022 21:30	0.8	4	16	1.1	0.00
11/08/2022 21:40	0.5	356	12	0.8	0.00
11/08/2022 21:50	0.7	348	7	0.8	0.00
11/08/2022 22:00	0.9	346	7	1.1	0.00
11/08/2022 22:10	0.8	347	11	1.1	0.00
11/08/2022 22:20	0.8	349	12	1.0	0.00
11/08/2022 22:30	0.9	349	13	1.2	0.00
11/08/2022 22:40	0.7	184	16	1.0	0.00
11/08/2022 22:50	0.8	16	15	1.1	0.00
11/08/2022 23:00	1.0	13	12	1.4	0.00
11/08/2022 23:10	0.9	24	22	1.5	0.00
11/08/2022 23:20	0.8	22	16	1.2	0.00
11/08/2022 23:30	0.7	16	17	1.0	0.00
11/08/2022 23:40	0.6	21	17	0.8	0.00
11/08/2022 23:50	0.6	25	14	1.0	0.00
12/08/2022 00:00	0.7	19	23	0.8	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/08/2022 00:10	0.7	21	16	0.9	0.00
12/08/2022 00:20	0.6	23	20	1.1	0.00
12/08/2022 00:30	0.4	11	16	0.8	0.00
12/08/2022 00:40	0.2	191	13	0.6	0.00
12/08/2022 00:50	0.1	29	12	0.5	0.00
12/08/2022 01:00	0.4	20	27	0.7	0.00
12/08/2022 01:10	0.0	310	11	0.4	0.00
12/08/2022 01:20	0.2	186	32	0.6	0.00
12/08/2022 01:30	0.6	36	32	1.1	0.00
12/08/2022 01:40	0.8	67	29	1.5	0.00
12/08/2022 01:50	1.0	100	33	2.0	0.00
12/08/2022 02:00	1.3	114	36	2.4	0.00
12/08/2022 02:10	1.6	105	34	2.8	0.00
12/08/2022 02:20	1.5	102	34	2.8	0.00
12/08/2022 02:30	1.6	101	34	3.7	0.00
12/08/2022 02:40	1.5	102	32	2.6	0.00
12/08/2022 02:50	1.9	105	28	3.0	0.00
12/08/2022 03:00	2.0	105	31	3.2	0.00
12/08/2022 03:10	1.8	104	32	3.4	0.00
12/08/2022 03:20	2.3	105	33	3.8	0.00
12/08/2022 03:30	2.3	96	32	3.7	0.00
12/08/2022 03:40	2.6	97	28	4.1	0.00
12/08/2022 03:50	2.6	101	26	5.3	0.00
12/08/2022 04:00	2.6	109	33	4.5	0.00
12/08/2022 04:10	2.6	98	29	4.0	0.00
12/08/2022 04:20	2.5	103	29	4.3	0.00
12/08/2022 04:30	2.4	103	30	4.3	0.00
12/08/2022 04:40	2.2	103	32	3.5	0.00
12/08/2022 04:50	2.3	105	31	4.4	0.00
12/08/2022 05:00	2.0	107	31	3.2	0.00
12/08/2022 05:10	2.1	110	31	3.9	0.00
12/08/2022 05:20	1.7	109	28	2.8	0.00
12/08/2022 05:30	1.8	105	28	3.5	0.00
12/08/2022 05:40	2.1	104	28	3.5	0.00
12/08/2022 05:50	2.2	102	30	3.8	0.00
12/08/2022 06:00	2.3	108	30	4.0	0.00
12/08/2022 06:10	2.2	111	28	3.9	0.00
12/08/2022 06:20	2.2	98	31	3.9	0.00
12/08/2022 06:30	2.9	101	31	5.2	0.00
12/08/2022 06:40	2.7	103	25	4.4	0.00
12/08/2022 06:50	3.0	104	32	5.4	0.00
12/08/2022 07:00	2.7	106	30	4.3	0.00
12/08/2022 07:10	2.5	106	27	4.0	0.00
12/08/2022 07:20	2.8	107	28	4.6	0.00
12/08/2022 07:30	2.6	107	30	4.2	0.00



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/08/2022 07:40	3.0	101	31	4.6	0.00
12/08/2022 07:50	2.7	98	25	5.1	0.00
12/08/2022 08:00	3.3	92	28	6.0	0.00
12/08/2022 08:10	3.4	98	28	5.1	0.00
12/08/2022 08:20	3.3	90	21	5.4	0.00
12/08/2022 08:30	3.8	91	22	6.2	0.00
12/08/2022 08:40	3.7	96	23	6.1	0.00
12/08/2022 08:50	4.3	87	19	7.1	0.00
12/08/2022 09:00	4.2	93	25	7.4	0.00
12/08/2022 09:10	1.3	94	17	4.9	0.00
12/08/2022 09:20					0.00
12/08/2022 09:30					0.00
12/08/2022 09:40					0.00
12/08/2022 09:50					0.00
12/08/2022 10:00					0.00
12/08/2022 10:10	0.2	101	4	3.6	0.00
12/08/2022 10:20					0.00
12/08/2022 10:30					0.00
12/08/2022 10:40					0.00
12/08/2022 10:50					0.00
12/08/2022 11:00					0.00
12/08/2022 11:10					0.00
12/08/2022 11:20					0.00
12/08/2022 11:30					0.00
12/08/2022 11:40	0.0	65	2	0.4	0.00
12/08/2022 11:50					0.00
12/08/2022 12:00					0.00
12/08/2022 12:10					0.00
12/08/2022 12:20					0.00
12/08/2022 12:30					0.00
12/08/2022 12:40					0.00
12/08/2022 12:50					0.00
12/08/2022 13:00					0.00
12/08/2022 13:10					0.00
12/08/2022 13:20					0.00
12/08/2022 13:30					0.00
12/08/2022 13:40					0.00
12/08/2022 13:50					0.00
12/08/2022 14:00					0.00
12/08/2022 14:10					0.00
12/08/2022 14:20					0.00
12/08/2022 14:30					0.00
12/08/2022 14:40					0.00
12/08/2022 14:50					0.00
12/08/2022 15:00					0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/08/2022 15:10					0.00
12/08/2022 15:20					0.00
12/08/2022 15:30					0.00
12/08/2022 15:40					0.00
12/08/2022 15:50					0.00
12/08/2022 16:00					0.00
12/08/2022 16:10					0.00
12/08/2022 16:20					0.00
12/08/2022 16:30					0.00
12/08/2022 16:40					0.00
12/08/2022 16:50					0.00
12/08/2022 17:00					0.00
12/08/2022 17:10	0.5	55	9	4.1	0.00
12/08/2022 17:20	2.8	60	21	4.4	0.00
12/08/2022 17:30	2.4	58	24	3.9	0.00
12/08/2022 17:40	2.3	55	20	4.2	0.00
12/08/2022 17:50	2.2	59	21	3.8	0.00
12/08/2022 18:00	2.0	53	20	3.7	0.00
12/08/2022 18:10	2.0	56	21	3.6	0.00
12/08/2022 18:20	2.1	52	18	3.3	0.00
12/08/2022 18:30	1.8	53	19	2.8	0.00
12/08/2022 18:40	2.1	49	16	3.6	0.00
12/08/2022 18:50	1.6	43	17	2.4	0.00
12/08/2022 19:00	1.7	44	18	2.7	0.00
12/08/2022 19:10	1.6	40	18	2.4	0.00
12/08/2022 19:20	1.7	40	18	2.4	0.00
12/08/2022 19:30	2.1	41	16	3.7	0.00
12/08/2022 19:40	2.4	46	17	4.2	0.00
12/08/2022 19:50	2.3	40	22	3.4	0.00
12/08/2022 20:00	2.2	39	16	3.6	0.00
12/08/2022 20:10	2.2	43	18	3.6	0.00
12/08/2022 20:20	2.1	41	18	3.1	0.00
12/08/2022 20:30	2.1	38	18	3.1	0.00
12/08/2022 20:40	2.1	43	16	3.2	0.00
12/08/2022 20:50	2.0	42	18	3.0	0.00
12/08/2022 21:00	1.8	41	17	2.9	0.00
12/08/2022 21:10	1.5	37	17	2.5	0.00
12/08/2022 21:20	1.5	36	20	2.6	0.00
12/08/2022 21:30	1.4	45	17	2.4	0.00
12/08/2022 21:40	0.9	44	15	1.3	0.00
12/08/2022 21:50	0.9	26	13	1.2	0.00
12/08/2022 22:00	1.1	22	16	1.6	0.00
12/08/2022 22:10	1.2	12	21	1.7	0.00
12/08/2022 22:20	1.1	32	18	1.7	0.00
12/08/2022 22:30	1.0	226	19	1.3	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/08/2022 22:40	0.7	182	45	0.9	0.00
12/08/2022 22:50	0.6	188	23	0.8	0.00
12/08/2022 23:00	0.8	52	31	1.5	0.00
12/08/2022 23:10	0.9	24	21	1.5	0.00
12/08/2022 23:20	1.2	30	18	1.7	0.00
12/08/2022 23:30	1.1	28	19	1.6	0.00
12/08/2022 23:40	1.1	19	18	1.6	0.00
12/08/2022 23:50	0.8	16	22	1.1	0.00
13/08/2022 00:00	0.6	74	49	0.8	0.00
13/08/2022 00:10	0.8	35	45	1.4	0.00
13/08/2022 00:20	0.8	77	45	1.6	0.00
13/08/2022 00:30	1.1	36	21	1.7	0.00
13/08/2022 00:40	0.9	51	29	1.3	0.00
13/08/2022 00:50	0.7	39	22	1.2	0.00
13/08/2022 01:00	1.1	37	23	1.5	0.00
13/08/2022 01:10	0.9	25	19	1.5	0.00
13/08/2022 01:20	1.1	29	15	1.6	0.00
13/08/2022 01:30	0.9	44	20	1.4	0.00
13/08/2022 01:40	0.9	58	31	1.6	0.00
13/08/2022 01:50	1.1	37	20	1.6	0.00
13/08/2022 02:00	0.8	42	19	1.1	0.00
13/08/2022 02:10	0.9	94	30	1.4	0.00
13/08/2022 02:20	0.9	84	29	1.6	0.00
13/08/2022 02:30	1.1	84	18	1.6	0.00
13/08/2022 02:40	1.0	95	23	1.6	0.00
13/08/2022 02:50	0.9	119	26	1.5	0.00
13/08/2022 03:00	0.9	95	27	1.5	0.00
13/08/2022 03:10	1.4	88	22	2.3	0.00
13/08/2022 03:20	1.5	98	30	2.3	0.00
13/08/2022 03:30	1.8	98	25	2.8	0.00
13/08/2022 03:40	1.6	94	26	2.5	0.00
13/08/2022 03:50	1.6	96	20	3.1	0.00
13/08/2022 04:00	1.3	90	23	2.0	0.00
13/08/2022 04:10	1.5	83	20	2.6	0.00
13/08/2022 04:20	1.7	92	19	2.8	0.00
13/08/2022 04:30	1.5	89	18	2.3	0.00
13/08/2022 04:40	1.6	94	23	2.5	0.00
13/08/2022 04:50	1.6	88	19	2.5	0.00
13/08/2022 05:00	1.9	87	16	3.2	0.00
13/08/2022 05:10	2.0	85	16	3.1	0.00
13/08/2022 05:20	2.2	83	18	3.6	0.00
13/08/2022 05:30	2.3	86	21	3.6	0.00
13/08/2022 05:40	2.4	79	17	4.3	0.00
13/08/2022 05:50	2.8	77	21	4.4	0.00
13/08/2022 06:00	2.8	81	20	4.6	0.00



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/08/2022 06:10	2.9	79	16	4.4	0.00
13/08/2022 06:20	2.6	80	20	3.8	0.00
13/08/2022 06:30	2.8	78	19	4.1	0.00
13/08/2022 06:40	2.7	79	17	4.4	0.00
13/08/2022 06:50	2.4	86	16	3.9	0.00
13/08/2022 07:00	2.3	90	20	3.7	0.00
13/08/2022 07:10	2.1	94	26	3.4	0.00
13/08/2022 07:20	2.5	100	23	3.9	0.00
13/08/2022 07:30	2.5	95	25	4.1	0.00
13/08/2022 07:40	1.0	91	13	3.6	0.00
13/08/2022 07:50	2.7	95	25	4.4	0.00
13/08/2022 08:00	2.6	92	36	4.0	0.00
13/08/2022 08:10					0.00
13/08/2022 08:20					0.00
13/08/2022 08:30					0.00
13/08/2022 08:40					0.00
13/08/2022 08:50					0.00
13/08/2022 09:00					0.00
13/08/2022 09:10	0.1	111	1	4.4	0.00
13/08/2022 09:20					0.00
13/08/2022 09:30	0.0	83	0	0.9	0.00
13/08/2022 09:40					0.00
13/08/2022 09:50					0.00
13/08/2022 10:00					0.00
13/08/2022 10:10					0.00
13/08/2022 10:20					0.00
13/08/2022 10:30	1.9	83	11	6.5	0.00
13/08/2022 10:40	3.2	78	21	5.2	0.00
13/08/2022 10:50	3.5	84	22	5.8	0.00
13/08/2022 11:00	2.5	81	20	4.5	0.00
13/08/2022 11:10					0.00
13/08/2022 11:20	1.8	80	14	4.5	0.00
13/08/2022 11:30	2.4	88	28	4.1	0.00
13/08/2022 11:40					0.00
13/08/2022 11:50					0.00
13/08/2022 12:00					0.00
13/08/2022 12:10					0.00
13/08/2022 12:20					0.00
13/08/2022 12:30					0.00
13/08/2022 12:40					0.00
13/08/2022 12:50					0.00
13/08/2022 13:00					0.00
13/08/2022 13:10					0.00
13/08/2022 13:20					0.00
13/08/2022 13:30					0.00





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/08/2022 13:40					0.00
13/08/2022 13:50					0.00
13/08/2022 14:00					0.00
13/08/2022 14:10					0.00
13/08/2022 14:20					0.00
13/08/2022 14:30					0.00
13/08/2022 14:40					0.00
13/08/2022 14:50					0.00
13/08/2022 15:00					0.00
13/08/2022 15:10					0.00
13/08/2022 15:20					0.00
13/08/2022 15:30					0.00
13/08/2022 15:40					0.00
13/08/2022 15:50					0.00
13/08/2022 16:00	0.0	77	0	0.4	0.00
13/08/2022 16:10					0.00
13/08/2022 16:20	0.7	81	10	3.3	0.00
13/08/2022 16:30	2.0	66	20	3.4	0.00
13/08/2022 16:40	2.0	60	24	2.8	0.00
13/08/2022 16:50	1.8	67	22	2.6	0.00
13/08/2022 17:00	1.6	67	24	2.4	0.00
13/08/2022 17:10	1.6	75	23	2.6	0.00
13/08/2022 17:20	1.4	64	22	2.2	0.00
13/08/2022 17:30	1.4	66	22	2.1	0.00
13/08/2022 17:40	1.4	50	21	2.2	0.00
13/08/2022 17:50	1.6	60	20	2.4	0.00
13/08/2022 18:00	1.3	66	22	1.9	0.00
13/08/2022 18:10	1.4	60	20	2.1	0.00
13/08/2022 18:20	1.5	50	17	2.4	0.00
13/08/2022 18:30	1.8	51	13	2.8	0.00
13/08/2022 18:40	1.6	57	15	2.5	0.00
13/08/2022 18:50	1.5	54	16	2.2	0.00
13/08/2022 19:00	2.0	49	14	2.7	0.00
13/08/2022 19:10	1.9	48	13	2.7	0.00
13/08/2022 19:20	1.9	50	19	2.9	0.00
13/08/2022 19:30	0.6	134	24	1.5	0.00
13/08/2022 19:40	0.6	141	43	1.5	0.00
13/08/2022 19:50	0.7	153	12	1.3	0.00
13/08/2022 20:00	0.6	293	36	1.4	0.00
13/08/2022 20:10	0.8	44	13	1.3	0.00
13/08/2022 20:20	0.6	205	59	1.2	0.00
13/08/2022 20:30	0.6	35	12	1.3	0.00
13/08/2022 20:40	0.6	68	36	1.1	0.00
13/08/2022 20:50	0.4	52	14	0.8	0.00
13/08/2022 21:00	0.8	40	17	1.1	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/08/2022 21:10	0.6	36	22	0.9	0.00
13/08/2022 21:20	0.8	28	15	1.0	0.00
13/08/2022 21:30	0.6	26	16	0.9	0.00
13/08/2022 21:40	0.7	31	13	1.1	0.00
13/08/2022 21:50	0.8	26	12	1.2	0.00
13/08/2022 22:00	0.5	18	20	0.9	0.00
13/08/2022 22:10	0.4	42	13	0.7	0.00
13/08/2022 22:20	0.7	26	15	1.0	0.00
13/08/2022 22:30	0.8	34	14	1.1	0.00
13/08/2022 22:40	0.9	23	10	1.2	0.00
13/08/2022 22:50	0.5	23	15	0.8	0.00
13/08/2022 23:00	0.7	24	9	1.0	0.00
13/08/2022 23:10	0.8	26	11	1.0	0.00
13/08/2022 23:20	0.3	25	19	0.8	0.00
13/08/2022 23:30	0.8	22	10	1.1	0.00
13/08/2022 23:40	0.7	14	16	0.9	0.00
13/08/2022 23:50	0.7	25	13	1.0	0.00
14/08/2022 00:00	0.8	19	13	1.1	0.00
14/08/2022 00:10	0.6	16	15	0.9	0.00
14/08/2022 00:20	0.4	193	11	0.7	0.00
14/08/2022 00:30					0.00
14/08/2022 00:40	0.5	186	14	0.9	0.00
14/08/2022 00:50	0.6	25	17	0.8	0.00
14/08/2022 01:00	0.4	18	13	0.8	0.00
14/08/2022 01:10	0.8	26	23	1.2	0.00
14/08/2022 01:20	1.1	18	15	1.5	0.00
14/08/2022 01:30	0.8	15	18	1.1	0.00
14/08/2022 01:40	0.7	12	17	0.9	0.00
14/08/2022 01:50	0.7	11	17	1.0	0.00
14/08/2022 02:00	0.7	352	16	1.0	0.00
14/08/2022 02:10	0.7	358	17	1.0	0.00
14/08/2022 02:20	0.8	347	15	1.1	0.00
14/08/2022 02:30	0.6	192	19	1.2	0.00
14/08/2022 02:40	0.6	184	13	0.8	0.00
14/08/2022 02:50	0.5	182	12	0.8	0.00
14/08/2022 03:00	0.8	341	12	1.2	0.00
14/08/2022 03:10	1.0	333	6	1.2	0.00
14/08/2022 03:20	0.6	178	17	0.8	0.00
14/08/2022 03:30	0.5	171	13	0.9	0.00
14/08/2022 03:40	0.6	355	14	0.9	0.00
14/08/2022 03:50	0.7	350	13	0.9	0.00
14/08/2022 04:00	0.7	178	16	0.8	0.00
14/08/2022 04:10	0.7	170	12	1.0	0.00
14/08/2022 04:20	1.0	344	7	1.1	0.00
14/08/2022 04:30	0.7	175	16	1.0	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/08/2022 04:40	0.8	11	15	1.1	0.00
14/08/2022 04:50	0.8	27	16	1.1	0.00
14/08/2022 05:00	0.8	27	14	1.1	0.00
14/08/2022 05:10	0.9	31	16	1.2	0.00
14/08/2022 05:20	0.5	37	23	1.1	0.00
14/08/2022 05:30	0.5	16	19	0.7	0.00
14/08/2022 05:40	0.5	9	14	0.8	0.00
14/08/2022 05:50	0.6	17	16	0.9	0.00
14/08/2022 06:00	0.9	17	10	1.2	0.00
14/08/2022 06:10	0.9	31	16	1.2	0.00
14/08/2022 06:20	0.8	30	20	1.2	0.00
14/08/2022 06:30	0.8	47	16	1.4	0.00
14/08/2022 06:40	0.7	32	19	1.0	0.00
14/08/2022 06:50	0.4	38	22	0.9	0.00
14/08/2022 07:00	0.5	20	16	0.8	0.00
14/08/2022 07:10	0.7	20	16	1.1	0.00
14/08/2022 07:20	0.7	24	15	1.1	0.00
14/08/2022 07:30	0.3	40	19	0.7	0.00
14/08/2022 07:40	0.7	49	22	1.2	0.00
14/08/2022 07:50	0.5	70	20	0.8	0.00
14/08/2022 08:00	0.7	89	23	1.2	0.00
14/08/2022 08:10	1.1	92	20	1.6	0.00
14/08/2022 08:20	1.2	99	24	1.8	0.00
14/08/2022 08:30	1.2	113	23	1.7	0.00
14/08/2022 08:40	1.2	111	28	1.8	0.00
14/08/2022 08:50	1.2	106	30	2.2	0.00
14/08/2022 09:00	1.1	116	30	1.8	0.00
14/08/2022 09:10	1.3	106	23	2.3	0.00
14/08/2022 09:20	1.6	113	23	2.5	0.00
14/08/2022 09:30	1.6	102	22	2.5	0.00
14/08/2022 09:40	1.4	100	27	2.4	0.00
14/08/2022 09:50	1.4	112	28	2.4	0.00
14/08/2022 10:00	1.4	110	28	2.1	0.00
14/08/2022 10:10	1.3	108	33	2.2	0.00
14/08/2022 10:20	1.5	99	25	2.5	0.00
14/08/2022 10:30	1.7	102	27	2.8	0.00
14/08/2022 10:40	1.6	111	29	2.6	0.00
14/08/2022 10:50	1.6	115	24	2.6	0.00
14/08/2022 11:00	1.7	111	28	2.6	0.00
14/08/2022 11:10	1.4	102	34	2.1	0.00
14/08/2022 11:20	1.7	83	25	2.6	0.00
14/08/2022 11:30	1.7	91	26	2.6	0.00
14/08/2022 11:40	1.9	95	23	3.2	0.00
14/08/2022 11:50	1.8	86	26	2.9	0.00
14/08/2022 12:00	1.9	79	25	3.2	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/08/2022 12:10	1.8	76	28	3.1	0.00
14/08/2022 12:20	1.9	50	22	3.2	0.00
14/08/2022 12:30	1.5	63	20	3.0	0.00
14/08/2022 12:40	1.8	61	23	2.8	0.00
14/08/2022 12:50	1.9	54	22	3.2	0.00
14/08/2022 13:00	2.0	53	23	3.0	0.00
14/08/2022 13:10	1.9	57	24	3.0	0.00
14/08/2022 13:20	1.7	55	26	2.9	0.00
14/08/2022 13:30	1.9	59	25	3.0	0.00
14/08/2022 13:40	1.8	56	25	3.2	0.00
14/08/2022 13:50	1.9	66	25	2.8	0.00
14/08/2022 14:00	2.5	55	20	3.6	0.00
14/08/2022 14:10	2.7	55	19	4.0	0.00
14/08/2022 14:20	2.3	54	19	4.0	0.00
14/08/2022 14:30	2.2	55	20	3.4	0.00
14/08/2022 14:40	2.5	57	22	4.0	0.00
14/08/2022 14:50	2.4	59	18	3.4	0.00
14/08/2022 15:00	2.4	47	20	3.5	0.00
14/08/2022 15:10	2.2	48	25	4.0	0.00
14/08/2022 15:20	2.5	52	23	3.8	0.00
14/08/2022 15:30	2.9	50	17	4.4	0.00
14/08/2022 15:40	2.7	49	18	4.4	0.00
14/08/2022 15:50	3.3	49	18	4.6	0.00
14/08/2022 16:00	3.0	53	17	4.4	0.00
14/08/2022 16:10	3.0	56	18	4.8	0.00
14/08/2022 16:20	2.8	54	18	4.3	0.00
14/08/2022 16:30	2.5	55	20	4.1	0.00
14/08/2022 16:40	2.5	52	16	3.6	0.00
14/08/2022 16:50	2.0	65	20	2.7	0.00
14/08/2022 17:00	1.7	67	20	2.7	0.00
14/08/2022 17:10	1.5	63	19	2.3	0.00
14/08/2022 17:20	1.7	59	21	2.9	0.00
14/08/2022 17:30	1.7	48	14	2.5	0.00
14/08/2022 17:40	2.2	46	15	3.3	0.00
14/08/2022 17:50	2.2	50	14	3.2	0.00
14/08/2022 18:00	1.5	46	19	2.5	0.00
14/08/2022 18:10	1.5	44	15	2.3	0.00
14/08/2022 18:20	1.2	33	16	1.7	0.00
14/08/2022 18:30	1.3	48	13	2.0	0.00
14/08/2022 18:40	1.2	30	22	2.0	0.00
14/08/2022 18:50	1.0	24	20	1.4	0.00
14/08/2022 19:00	1.0	34	15	1.4	0.00
14/08/2022 19:10	0.8	19	19	1.4	0.00
14/08/2022 19:20	0.8	27	20	1.3	0.00
14/08/2022 19:30	0.9	24	17	1.3	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/08/2022 19:40	0.8	39	13	1.1	0.00
14/08/2022 19:50	0.3	55	8	0.7	0.00
14/08/2022 20:00					0.00
14/08/2022 20:10					0.00
14/08/2022 20:20	0.0	176	2	0.4	0.00
14/08/2022 20:30	0.0	205	0	0.4	0.00
14/08/2022 20:40					0.00
14/08/2022 20:50	0.1	170	4	0.6	0.00
14/08/2022 21:00	0.0	227	0	0.4	0.00
14/08/2022 21:10	0.5	345	9	0.9	0.00
14/08/2022 21:20	0.3	184	9	0.7	0.00
14/08/2022 21:30					0.00
14/08/2022 21:40	0.5	347	5	0.8	0.00
14/08/2022 21:50	0.6	345	7	0.9	0.00
14/08/2022 22:00	0.0	350	0	0.4	0.00
14/08/2022 22:10	0.3	354	12	0.8	0.00
14/08/2022 22:20	0.3	260	26	0.8	0.00
14/08/2022 22:30	0.4	24	19	0.6	0.00
14/08/2022 22:40	0.4	54	16	0.8	0.00
14/08/2022 22:50	0.1	17	2	0.5	0.00
14/08/2022 23:00	0.1	81	1	0.4	0.00
14/08/2022 23:10	0.2	22	12	0.7	0.00
14/08/2022 23:20	0.4	19	12	0.8	0.00
14/08/2022 23:30	0.5	8	12	0.8	0.00
14/08/2022 23:40	0.2	11	5	0.6	0.00
14/08/2022 23:50	0.4	14	8	0.8	0.00
15/08/2022 00:00	0.7	16	11	0.9	0.00
15/08/2022 00:10	0.7	358	17	1.1	0.00
15/08/2022 00:20	0.4	34	21	0.7	0.00
15/08/2022 00:30	0.2	16	3	0.7	0.00
15/08/2022 00:40	0.7	21	9	0.8	0.00
15/08/2022 00:50	0.7	16	11	0.9	0.00
15/08/2022 01:00	0.7	178	18	1.1	0.00
15/08/2022 01:10	0.3	198	11	0.8	0.00
15/08/2022 01:20	0.5	40	10	0.8	0.00
15/08/2022 01:30	0.6	24	15	0.9	0.00
15/08/2022 01:40	0.6	14	13	0.8	0.00
15/08/2022 01:50	0.2	43	6	0.7	0.00
15/08/2022 02:00	0.7	51	10	1.0	0.00
15/08/2022 02:10	0.7	67	13	0.9	0.00
15/08/2022 02:20	0.7	64	10	0.9	0.00
15/08/2022 02:30	0.4	82	5	0.7	0.00
15/08/2022 02:40	0.6	51	6	1.0	0.00
15/08/2022 02:50	0.7	62	8	1.1	0.00
15/08/2022 03:00	0.5	65	11	1.0	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/08/2022 03:10	0.7	70	9	0.9	0.00
15/08/2022 03:20	0.5	55	15	0.8	0.00
15/08/2022 03:30	0.5	21	7	0.8	0.00
15/08/2022 03:40	0.1	30	1	0.4	0.00
15/08/2022 03:50	0.4	27	9	0.8	0.00
15/08/2022 04:00	0.6	11	15	0.8	0.00
15/08/2022 04:10	0.6	7	15	0.8	0.00
15/08/2022 04:20	0.5	186	13	0.8	0.00
15/08/2022 04:30	0.2	178	5	0.6	0.00
15/08/2022 04:40	0.8	349	11	1.1	0.00
15/08/2022 04:50	0.8	343	11	1.1	0.00
15/08/2022 05:00	0.6	183	17	0.9	0.00
15/08/2022 05:10	0.6	357	15	0.8	0.00
15/08/2022 05:20	0.8	182	18	1.2	0.00
15/08/2022 05:30	0.8	5	16	1.2	0.00
15/08/2022 05:40	0.8	177	15	1.1	0.00
15/08/2022 05:50	0.7	187	15	1.1	0.00
15/08/2022 06:00	1.0	15	12	1.4	0.00
15/08/2022 06:10	1.0	23	14	1.3	0.00
15/08/2022 06:20	0.8	32	17	1.2	0.00
15/08/2022 06:30	0.8	37	17	1.4	0.00
15/08/2022 06:40	0.9	27	18	1.2	0.00
15/08/2022 06:50	1.0	34	16	1.4	0.00
15/08/2022 07:00	0.6	50	22	1.1	0.00
15/08/2022 07:10	1.0	31	17	1.3	0.00
15/08/2022 07:20	1.1	35	18	1.8	0.00
15/08/2022 07:30	0.9	54	18	1.5	0.00
15/08/2022 07:40	0.8	56	25	1.6	0.00
15/08/2022 07:50	1.0	69	23	1.8	0.00
15/08/2022 08:00	1.1	66	20	1.8	0.00
15/08/2022 08:10	1.3	80	21	2.0	0.00
15/08/2022 08:20	1.1	91	28	1.6	0.00
15/08/2022 08:30	1.1	87	23	1.8	0.00
15/08/2022 08:40	0.9	82	24	1.6	0.00
15/08/2022 08:50	1.3	95	22	2.0	0.00
15/08/2022 09:00	1.4	94	22	2.1	0.00
15/08/2022 09:10	1.4	83	18	2.2	0.00
15/08/2022 09:20	1.4	90	26	2.1	0.00
15/08/2022 09:30	1.4	102	27	2.2	0.00
15/08/2022 09:40	0.8	111	16	2.5	0.00
15/08/2022 09:50	1.4	116	29	2.4	0.00
15/08/2022 10:00	1.5	104	31	2.4	0.00
15/08/2022 10:10	1.6	114	22	2.4	0.00
15/08/2022 10:20	1.7	89	22	2.5	0.00
15/08/2022 10:30	1.6	90	23	2.8	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/08/2022 10:40	1.6	97	24	2.3	0.00
15/08/2022 10:50	2.0	77	29	3.1	0.00
15/08/2022 11:00	2.6	65	21	4.4	0.00
15/08/2022 11:10	2.6	57	23	4.2	0.00
15/08/2022 11:20	2.9	56	21	4.7	0.00
15/08/2022 11:30	2.6	57	20	4.0	0.00
15/08/2022 11:40	2.5	61	23	4.1	0.00
15/08/2022 11:50	2.9	59	21	4.4	0.00
15/08/2022 12:00	3.0	58	20	4.5	0.00
15/08/2022 12:10	3.3	62	22	5.6	0.00
15/08/2022 12:20	2.9	61	21	4.6	0.00
15/08/2022 12:30	2.9	63	22	4.7	0.00
15/08/2022 12:40	2.9	59	22	4.9	0.00
15/08/2022 12:50	3.1	52	20	4.9	0.00
15/08/2022 13:00	3.1	51	20	4.8	0.00
15/08/2022 13:10	2.7	51	22	4.6	0.00
15/08/2022 13:20	2.8	53	22	4.5	0.00
15/08/2022 13:30	2.9	58	21	4.4	0.00
15/08/2022 13:40	3.0	58	21	4.4	0.00
15/08/2022 13:50	3.0	51	23	5.0	0.00
15/08/2022 14:00	3.0	51	20	4.8	0.00
15/08/2022 14:10	2.8	66	21	4.2	0.00
15/08/2022 14:20	2.9	67	22	4.3	0.00
15/08/2022 14:30	2.9	68	22	4.6	0.00
15/08/2022 14:40	3.0	69	20	4.7	0.00
15/08/2022 14:50	2.8	66	22	4.1	0.00
15/08/2022 15:00	2.8	65	20	4.5	0.00
15/08/2022 15:10	3.1	59	21	4.6	0.00
15/08/2022 15:20	2.6	58	23	4.4	0.00
15/08/2022 15:30	2.4	64	24	4.1	0.00
15/08/2022 15:40	2.6	68	21	3.8	0.00
15/08/2022 15:50	2.8	53	21	5.0	0.00
15/08/2022 16:00	3.1	54	20	5.6	0.00
15/08/2022 16:10	3.1	47	20	4.8	0.00
15/08/2022 16:20	2.9	47	23	5.2	0.00
15/08/2022 16:30	2.7	44	20	4.8	0.00
15/08/2022 16:40	3.3	50	18	5.0	0.00
15/08/2022 16:50	2.4	53	21	4.4	0.00
15/08/2022 17:00	2.2	57	20	3.6	0.00
15/08/2022 17:10	2.4	55	22	3.9	0.00
15/08/2022 17:20	2.8	47	19	4.1	0.00
15/08/2022 17:30	2.4	50	21	3.7	0.00
15/08/2022 17:40	1.9	57	14	2.8	0.00
15/08/2022 17:50	1.3	62	15	2.2	0.00
15/08/2022 18:00	1.0	65	16	1.6	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/08/2022 18:10	1.4	50	11	2.0	0.00
15/08/2022 18:20	1.3	53	12	1.7	0.00
15/08/2022 18:30	1.0	59	12	1.6	0.00
15/08/2022 18:40	1.0	64	16	1.6	0.00
15/08/2022 18:50	0.9	63	13	1.3	0.00
15/08/2022 19:00	0.9	60	12	1.2	0.00
15/08/2022 19:10	1.1	52	13	1.6	0.00
15/08/2022 19:20	1.3	47	12	1.8	0.00
15/08/2022 19:30	1.3	50	13	1.9	0.00
15/08/2022 19:40	1.2	55	13	1.6	0.00
15/08/2022 19:50	0.8	75	10	1.2	0.00
15/08/2022 20:00	0.9	55	17	1.3	0.00
15/08/2022 20:10	1.1	51	18	1.6	0.00
15/08/2022 20:20	1.2	40	15	1.8	0.00
15/08/2022 20:30	1.0	40	15	1.4	0.00
15/08/2022 20:40	0.6	58	18	1.1	0.00
15/08/2022 20:50	0.3	67	10	0.8	0.00
15/08/2022 21:00	0.0	146	23	0.4	0.00
15/08/2022 21:10	0.1	30	2	0.6	0.00
15/08/2022 21:20	0.2	124	11	0.7	0.00
15/08/2022 21:30	0.1	227	6	0.6	0.00
15/08/2022 21:40					0.00
15/08/2022 21:50	0.4	201	17	0.9	0.00
15/08/2022 22:00	0.7	236	11	0.8	0.00
15/08/2022 22:10	0.6	237	12	0.9	0.00
15/08/2022 22:20	0.6	236	15	0.8	0.00
15/08/2022 22:30	0.4	234	16	0.8	0.00
15/08/2022 22:40	0.1	192	6	0.5	0.00
15/08/2022 22:50	0.2	30	7	0.8	0.00
15/08/2022 23:00	0.6	29	9	0.8	0.00
15/08/2022 23:10	0.2	22	6	0.6	0.00
15/08/2022 23:20					0.00
15/08/2022 23:30					0.00
15/08/2022 23:40					0.00
15/08/2022 23:50					0.00
16/08/2022 00:00					0.00
16/08/2022 00:10	0.0	14	0	0.4	0.00
16/08/2022 00:20	0.3	12	51	0.9	0.00
16/08/2022 00:30	0.1	191	14	0.5	0.00
16/08/2022 00:40	0.4	71	19	0.8	0.00
16/08/2022 00:50	0.5	48	25	1.0	0.00
16/08/2022 01:00	0.3	44	24	0.8	0.00
16/08/2022 01:10	0.7	58	20	1.2	0.00
16/08/2022 01:20	0.7	161	70	1.5	0.00
16/08/2022 01:30	0.6	207	28	1.2	0.00





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/08/2022 01:40	0.8	127	35	1.2	0.00
16/08/2022 01:50	0.6	182	23	1.1	0.00
16/08/2022 02:00	0.2	221	20	0.6	0.00
16/08/2022 02:10	0.9	244	11	1.2	0.00
16/08/2022 02:20	0.8	250	9	1.0	0.00
16/08/2022 02:30	0.0	282	0	0.4	0.00
16/08/2022 02:40	0.1	259	3	0.6	0.00
16/08/2022 02:50	0.8	257	13	1.1	0.00
16/08/2022 03:00	1.1	256	10	1.6	0.00
16/08/2022 03:10	1.2	254	10	1.5	0.00
16/08/2022 03:20	1.6	255	8	2.0	0.00
16/08/2022 03:30	1.5	252	7	1.9	0.00
16/08/2022 03:40	1.5	249	9	2.0	0.00
16/08/2022 03:50	1.6	245	10	2.1	0.00
16/08/2022 04:00	1.4	249	11	2.0	0.00
16/08/2022 04:10	1.2	251	10	1.5	0.00
16/08/2022 04:20	1.3	252	15	2.0	0.00
16/08/2022 04:30	1.3	253	11	1.7	0.00
16/08/2022 04:40	1.3	257	15	1.7	0.00
16/08/2022 04:50	1.3	263	15	1.9	0.00
16/08/2022 05:00	1.5	257	15	2.4	0.00
16/08/2022 05:10	1.0	287	22	1.5	0.00
16/08/2022 05:20	0.4	318	14	0.8	0.00
16/08/2022 05:30	0.7	311	19	0.9	0.00
16/08/2022 05:40	1.0	306	10	1.3	0.00
16/08/2022 05:50	0.8	306	23	1.2	0.00
16/08/2022 06:00	0.3	105	14	0.8	0.00
16/08/2022 06:10	0.9	243	14	1.5	0.00
16/08/2022 06:20	1.0	299	19	1.2	0.00
16/08/2022 06:30	0.2	61	11	0.8	0.00
16/08/2022 06:40	0.7	344	18	1.2	0.00
16/08/2022 06:50	0.3	76	47	0.8	0.00
16/08/2022 07:00	0.2	334	11	0.8	0.00
16/08/2022 07:10	0.2	70	6	0.7	0.00
16/08/2022 07:20	0.3	82	10	0.8	0.00
16/08/2022 07:30	0.5	73	10	0.9	0.00
16/08/2022 07:40	0.7	69	16	0.8	0.00
16/08/2022 07:50	0.8	86	15	1.2	0.00
16/08/2022 08:00	0.9	81	19	1.3	0.00
16/08/2022 08:10	0.8	80	21	1.4	0.00
16/08/2022 08:20	0.9	79	24	1.5	0.00
16/08/2022 08:30	0.8	104	21	1.4	0.00
16/08/2022 08:40	1.0	117	33	1.6	0.00
16/08/2022 08:50	1.1	127	32	1.7	0.00
16/08/2022 09:00	1.3	103	29	2.1	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/08/2022 09:10	1.1	95	27	1.9	0.00
16/08/2022 09:20	1.1	88	29	1.8	0.00
16/08/2022 09:30	1.8	60	23	3.1	0.00
16/08/2022 09:40	1.6	52	25	2.4	0.00
16/08/2022 09:50	1.6	52	25	2.7	0.00
16/08/2022 10:00	2.0	59	20	2.8	0.00
16/08/2022 10:10	1.6	72	24	2.5	0.00
16/08/2022 10:20	1.6	62	24	2.8	0.00
16/08/2022 10:30	1.4	74	30	2.3	0.00
16/08/2022 10:40	1.7	67	30	2.8	0.00
16/08/2022 10:50	1.8	57	29	2.8	0.00
16/08/2022 11:00	1.8	55	23	3.1	0.00
16/08/2022 11:10	1.9	55	28	3.1	0.00
16/08/2022 11:20	1.9	60	24	3.2	0.00
16/08/2022 11:30	2.3	66	19	3.4	0.00
16/08/2022 11:40	2.4	80	23	3.6	0.00
16/08/2022 11:50	2.0	84	31	3.0	0.00
16/08/2022 12:00	2.0	76	21	2.8	0.00
16/08/2022 12:10	1.9	82	31	3.2	0.00
16/08/2022 12:20	2.4	77	20	3.8	0.00
16/08/2022 12:30	2.1	68	20	3.8	0.00
16/08/2022 12:40	2.0	85	25	2.9	0.00
16/08/2022 12:50	2.1	61	25	3.5	0.00
16/08/2022 13:00	2.4	56	22	4.0	0.00
16/08/2022 13:10	1.9	63	31	3.2	0.00
16/08/2022 13:20	1.7	44	41	3.1	0.00
16/08/2022 13:30	1.4	89	85	3.5	0.00
16/08/2022 13:40	2.1	244	41	4.0	0.00
16/08/2022 13:50	2.2	226	27	3.6	0.00
16/08/2022 14:00	2.5	230	25	3.9	0.00
16/08/2022 14:10	2.4	239	25	3.6	0.00
16/08/2022 14:20	2.3	247	19	4.0	0.00
16/08/2022 14:30	1.7	229	36	2.9	0.00
16/08/2022 14:40	2.3	238	24	3.6	0.00
16/08/2022 14:50	2.0	273	48	4.0	0.00
16/08/2022 15:00	1.5	314	48	2.4	0.00
16/08/2022 15:10	1.7	284	33	2.8	0.00
16/08/2022 15:20	1.4	324	28	2.6	0.00
16/08/2022 15:30	1.5	312	29	2.6	0.00
16/08/2022 15:40	2.0	333	24	2.9	0.00
16/08/2022 15:50	1.8	308	35	3.0	0.00
16/08/2022 16:00	1.7	322	30	3.0	0.00
16/08/2022 16:10	2.0	329	23	3.2	0.00
16/08/2022 16:20	1.7	328	26	2.8	0.00
16/08/2022 16:30	1.6	320	41	2.6	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/08/2022 16:40	1.7	329	26	2.7	0.00
16/08/2022 16:50	1.5	313	36	2.7	0.00
16/08/2022 17:00	1.8	329	24	2.8	0.00
16/08/2022 17:10	1.6	318	28	2.5	0.00
16/08/2022 17:20	1.8	337	30	2.9	0.00
16/08/2022 17:30	1.7	316	25	2.8	0.00
16/08/2022 17:40	1.6	310	34	2.7	0.00
16/08/2022 17:50	1.8	306	29	2.8	0.00
16/08/2022 18:00	2.2	318	17	3.2	0.00
16/08/2022 18:10	2.1	333	23	3.2	0.00
16/08/2022 18:20	2.3	322	24	3.2	0.00
16/08/2022 18:30	2.5	320	14	3.4	0.00
16/08/2022 18:40	2.0	325	27	2.9	0.00
16/08/2022 18:50	1.8	307	33	3.0	0.00
16/08/2022 19:00	2.1	330	27	3.5	0.00
16/08/2022 19:10	2.1	328	22	3.1	0.00
16/08/2022 19:20	1.9	320	23	2.8	0.00
16/08/2022 19:30	2.2	320	20	3.2	0.00
16/08/2022 19:40	2.0	320	23	3.0	0.00
16/08/2022 19:50	1.5	280	35	2.4	0.00
16/08/2022 20:00	1.6	283	29	2.5	0.00
16/08/2022 20:10	2.0	272	26	3.1	0.00
16/08/2022 20:20	2.2	265	26	3.5	0.00
16/08/2022 20:30	1.8	269	23	2.8	0.00
16/08/2022 20:40	2.3	266	22	3.4	0.00
16/08/2022 20:50	2.2	264	26	3.8	0.00
16/08/2022 21:00	2.2	267	28	3.5	0.00
16/08/2022 21:10	1.7	275	24	2.6	0.00
16/08/2022 21:20	1.4	275	27	2.4	0.00
16/08/2022 21:30	1.5	274	37	2.4	0.00
16/08/2022 21:40	1.5	280	32	2.3	0.00
16/08/2022 21:50	1.3	314	27	2.0	0.00
16/08/2022 22:00	1.3	302	34	1.9	0.00
16/08/2022 22:10	1.9	319	18	2.8	0.00
16/08/2022 22:20	1.0	297	50	1.9	0.00
16/08/2022 22:30	1.3	294	43	2.4	0.00
16/08/2022 22:40	1.3	284	35	2.0	0.00
16/08/2022 22:50	1.4	292	35	2.3	0.00
16/08/2022 23:00	1.2	293	39	2.1	0.00
16/08/2022 23:10	1.1	278	36	2.0	0.00
16/08/2022 23:20	1.3	307	28	2.0	0.00
16/08/2022 23:30	1.3	281	31	2.0	0.00
16/08/2022 23:40	1.1	324	33	2.1	0.00
16/08/2022 23:50	1.1	313	32	2.0	0.00
17/08/2022 00:00	1.3	260	25	2.4	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/08/2022 00:10	1.6	271	23	2.6	0.00
17/08/2022 00:20	1.7	264	18	3.0	0.00
17/08/2022 00:30	1.6	266	16	2.2	0.00
17/08/2022 00:40	1.6	252	17	2.4	0.00
17/08/2022 00:50	1.4	245	12	2.0	0.00
17/08/2022 01:00	1.3	249	15	1.9	0.00
17/08/2022 01:10	1.3	253	12	2.0	0.00
17/08/2022 01:20	1.2	246	11	1.6	0.00
17/08/2022 01:30	1.2	245	16	1.7	0.00
17/08/2022 01:40	1.4	244	14	2.1	0.00
17/08/2022 01:50	1.5	253	13	2.0	0.00
17/08/2022 02:00	1.4	255	11	2.0	0.00
17/08/2022 02:10	1.3	258	11	2.0	0.00
17/08/2022 02:20	1.6	254	12	2.1	0.00
17/08/2022 02:30	1.6	259	16	2.3	0.00
17/08/2022 02:40	1.4	257	14	2.4	0.00
17/08/2022 02:50	1.4	253	13	2.0	0.00
17/08/2022 03:00	1.5	258	13	2.1	0.00
17/08/2022 03:10	1.1	250	16	1.8	0.00
17/08/2022 03:20	1.9	237	16	2.9	0.00
17/08/2022 03:30	2.0	245	16	2.8	0.00
17/08/2022 03:40	1.6	257	17	2.4	0.00
17/08/2022 03:50	1.4	251	18	2.3	0.00
17/08/2022 04:00	1.6	238	18	2.4	0.00
17/08/2022 04:10	1.9	248	14	2.8	0.00
17/08/2022 04:20	1.8	259	12	2.5	0.00
17/08/2022 04:30	1.7	254	15	2.4	0.00
17/08/2022 04:40	2.2	242	13	3.0	0.00
17/08/2022 04:50	2.1	247	14	3.0	0.00
17/08/2022 05:00	1.7	257	14	2.5	0.00
17/08/2022 05:10	1.7	266	14	2.4	0.00
17/08/2022 05:20	1.8	275	17	2.4	0.00
17/08/2022 05:30	1.8	271	16	2.4	0.00
17/08/2022 05:40	1.8	272	17	2.4	0.00
17/08/2022 05:50	1.8	272	17	2.6	0.00
17/08/2022 06:00	2.0	278	18	2.8	0.00
17/08/2022 06:10	1.7	284	19	2.6	0.00
17/08/2022 06:20	2.0	271	16	3.0	0.00
17/08/2022 06:30	1.7	275	18	2.4	0.00
17/08/2022 06:40	1.6	245	16	2.4	0.00
17/08/2022 06:50	2.3	255	17	3.3	0.00
17/08/2022 07:00	2.1	257	17	2.8	0.00
17/08/2022 07:10	1.7	259	20	2.8	0.00
17/08/2022 07:20	1.9	266	16	2.6	0.00
17/08/2022 07:30	2.1	263	14	2.8	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/08/2022 07:40	2.0	259	19	2.8	0.00
17/08/2022 07:50	1.9	257	18	2.9	0.00
17/08/2022 08:00	2.2	240	20	3.2	0.00
17/08/2022 08:10	2.6	224	16	3.8	0.00
17/08/2022 08:20	2.6	222	16	3.6	0.00
17/08/2022 08:30	3.1	224	18	4.8	0.00
17/08/2022 08:40	3.2	228	19	4.9	0.00
17/08/2022 08:50	3.5	224	20	5.4	0.00
17/08/2022 09:00	3.6	211	15	5.3	0.00
17/08/2022 09:10	3.7	207	17	5.6	0.00
17/08/2022 09:20	3.8	212	20	5.3	0.00
17/08/2022 09:30	3.3	209	20	5.1	0.00
17/08/2022 09:40	3.9	219	18	5.8	0.00
17/08/2022 09:50	4.0	210	17	5.5	0.00
17/08/2022 10:00	4.3	219	19	6.0	0.00
17/08/2022 10:10	3.9	211	22	6.0	0.00
17/08/2022 10:20	3.9	208	21	5.6	0.00
17/08/2022 10:30	4.0	197	18	5.7	0.00
17/08/2022 10:40	4.1	204	16	6.0	0.00
17/08/2022 10:50	3.9	208	18	6.4	0.00
17/08/2022 11:00	3.9	226	28	5.9	0.00
17/08/2022 11:10	4.3	217	15	6.4	0.00
17/08/2022 11:20	3.9	213	19	6.1	0.00
17/08/2022 11:30	3.9	211	17	6.4	0.00
17/08/2022 11:40	3.7	222	23	5.6	0.00
17/08/2022 11:50	3.9	229	19	5.6	0.00
17/08/2022 12:00	4.1	229	24	5.7	0.00
17/08/2022 12:10	4.1	220	22	6.8	0.00
17/08/2022 12:20	4.2	218	16	6.6	0.00
17/08/2022 12:30	3.9	229	19	6.0	0.00
17/08/2022 12:40	3.8	247	16	5.6	0.00
17/08/2022 12:50	4.5	249	15	6.4	0.00
17/08/2022 13:00	4.4	249	18	6.6	0.00
17/08/2022 13:10	4.1	251	19	6.2	0.00
17/08/2022 13:20	4.6	250	16	6.8	0.00
17/08/2022 13:30	4.1	251	16	6.5	0.00
17/08/2022 13:40	4.5	248	17	6.6	0.00
17/08/2022 13:50	4.0	250	20	5.9	0.00
17/08/2022 14:00	4.0	258	21	5.5	0.00
17/08/2022 14:10	4.3	250	18	6.2	0.00
17/08/2022 14:20	4.4	250	16	6.0	0.00
17/08/2022 14:30	4.3	245	18	6.4	0.00
17/08/2022 14:40	4.5	247	16	6.3	0.00
17/08/2022 14:50	4.0	255	20	7.2	0.00
17/08/2022 15:00	4.2	252	19	6.1	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/08/2022 15:10	4.3	251	18	6.0	0.00
17/08/2022 15:20	5.4	249	15	7.9	0.00
17/08/2022 15:30	4.7	253	17	6.8	0.00
17/08/2022 15:40	4.3	252	18	6.8	0.00
17/08/2022 15:50	4.4	252	15	6.6	0.00
17/08/2022 16:00	4.5	255	17	6.8	0.00
17/08/2022 16:10	4.3	256	17	6.3	0.00
17/08/2022 16:20	4.1	259	19	5.8	0.00
17/08/2022 16:30	4.3	255	17	6.8	0.00
17/08/2022 16:40	4.5	252	17	6.4	0.00
17/08/2022 16:50	4.5	257	18	6.8	0.00
17/08/2022 17:00	4.3	250	18	6.1	0.00
17/08/2022 17:10	4.1	256	19	7.3	0.00
17/08/2022 17:20	4.0	254	18	5.6	0.00
17/08/2022 17:30	4.1	253	17	6.4	0.00
17/08/2022 17:40	3.9	254	15	5.5	0.00
17/08/2022 17:50	4.0	251	16	5.9	0.00
17/08/2022 18:00	3.4	257	16	5.0	0.00
17/08/2022 18:10	3.8	255	19	5.7	0.00
17/08/2022 18:20	4.1	254	16	6.0	0.00
17/08/2022 18:30	4.3	252	15	6.2	0.00
17/08/2022 18:40	4.0	253	14	5.6	0.00
17/08/2022 18:50	3.8	251	18	5.4	0.00
17/08/2022 19:00	3.6	244	16	6.0	0.00
17/08/2022 19:10	3.6	254	19	5.2	0.00
17/08/2022 19:20	3.6	246	22	6.1	0.00
17/08/2022 19:30	3.5	246	18	5.6	0.00
17/08/2022 19:40	3.6	252	16	5.2	0.00
17/08/2022 19:50	3.8	255	14	5.3	0.00
17/08/2022 20:00	3.7	259	16	5.9	0.00
17/08/2022 20:10	3.6	254	16	5.2	0.00
17/08/2022 20:20	3.7	254	17	5.0	0.00
17/08/2022 20:30	4.0	254	16	5.9	0.00
17/08/2022 20:40	3.6	255	17	5.4	0.00
17/08/2022 20:50	3.6	253	18	5.5	0.00
17/08/2022 21:00	3.4	251	16	5.2	0.00
17/08/2022 21:10	3.4	256	19	5.6	0.00
17/08/2022 21:20	3.4	256	15	5.2	0.00
17/08/2022 21:30	3.4	256	16	4.6	0.00
17/08/2022 21:40	3.0	258	15	4.1	0.00
17/08/2022 21:50	2.8	256	15	4.0	0.00
17/08/2022 22:00	2.8	255	17	4.3	0.00
17/08/2022 22:10	3.0	253	16	4.4	0.00
17/08/2022 22:20	2.8	255	19	4.1	0.00
17/08/2022 22:30	2.6	260	14	3.7	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/08/2022 22:40	3.0	261	16	4.5	0.00
17/08/2022 22:50	2.9	261	15	4.0	0.00
17/08/2022 23:00	3.0	257	15	4.4	0.00
17/08/2022 23:10	2.5	235	16	3.8	0.00
17/08/2022 23:20	2.6	228	17	4.5	0.00
17/08/2022 23:30	2.7	228	16	4.7	0.00
17/08/2022 23:40	2.6	225	17	4.1	0.00
17/08/2022 23:50	2.6	229	16	3.8	0.00
18/08/2022 00:00	2.9	225	16	4.4	0.00
18/08/2022 00:10	2.9	229	18	4.2	0.00
18/08/2022 00:20	2.7	234	20	4.4	0.00
18/08/2022 00:30	2.9	236	18	4.6	0.00
18/08/2022 00:40	3.0	229	20	5.1	0.00
18/08/2022 00:50	3.3	226	18	4.9	0.00
18/08/2022 01:00	3.7	224	17	5.1	0.00
18/08/2022 01:10	3.5	225	16	4.8	0.00
18/08/2022 01:20	3.4	224	17	5.0	0.00
18/08/2022 01:30	3.1	223	16	5.0	0.00
18/08/2022 01:40	2.9	219	14	3.9	0.00
18/08/2022 01:50	2.9	222	15	4.1	0.00
18/08/2022 02:00	3.0	219	17	4.9	0.00
18/08/2022 02:10	3.2	223	15	5.1	0.00
18/08/2022 02:20	2.8	220	17	3.7	0.00
18/08/2022 02:30	3.2	220	17	4.6	0.00
18/08/2022 02:40	3.1	217	18	5.1	0.00
18/08/2022 02:50	3.1	217	17	5.1	0.00
18/08/2022 03:00	3.5	210	16	5.6	0.00
18/08/2022 03:10	3.8	208	14	6.2	0.00
18/08/2022 03:20	3.8	205	15	6.0	0.00
18/08/2022 03:30	4.0	206	15	6.4	0.00
18/08/2022 03:40	4.0	206	18	5.6	0.00
18/08/2022 03:50	3.9	207	18	5.9	0.00
18/08/2022 04:00	3.9	206	16	5.9	0.00
18/08/2022 04:10	3.5	213	16	5.3	0.00
18/08/2022 04:20	3.5	204	17	5.4	0.00
18/08/2022 04:30	3.4	205	16	5.9	0.00
18/08/2022 04:40	2.8	198	18	5.1	0.00
18/08/2022 04:50	2.5	198	18	4.0	0.00
18/08/2022 05:00	2.7	201	19	4.8	0.00
18/08/2022 05:10	3.0	197	17	5.2	0.00
18/08/2022 05:20	2.6	200	20	4.4	0.00
18/08/2022 05:30	2.6	197	19	3.9	0.00
18/08/2022 05:40	2.8	192	18	4.7	0.00
18/08/2022 05:50	3.2	195	17	5.3	0.00
18/08/2022 06:00	3.3	195	19	5.5	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/08/2022 06:10	3.4	199	18	5.8	0.00
18/08/2022 06:20	3.2	204	25	5.2	0.00
18/08/2022 06:30	2.9	205	20	4.4	0.00
18/08/2022 06:40	2.0	213	38	3.7	0.00
18/08/2022 06:50	1.2	263	48	2.7	0.00
18/08/2022 07:00	0.8	263	76	1.6	0.00
18/08/2022 07:10	1.8	200	37	3.4	0.00
18/08/2022 07:20	1.8	180	27	3.6	0.00
18/08/2022 07:30	2.0	183	22	3.5	0.00
18/08/2022 07:40	1.7	174	27	3.0	0.00
18/08/2022 07:50	1.9	157	26	4.1	0.00
18/08/2022 08:00	2.1	164	26	4.0	0.00
18/08/2022 08:10	2.0	161	22	3.5	0.00
18/08/2022 08:20	1.8	151	27	2.9	0.00
18/08/2022 08:30	1.8	149	27	3.2	0.00
18/08/2022 08:40	1.7	143	28	2.8	0.00
18/08/2022 08:50	1.7	137	35	3.3	0.00
18/08/2022 09:00	1.8	131	31	2.8	0.00
18/08/2022 09:10	1.6	121	31	2.8	0.00
18/08/2022 09:20	1.8	132	25	2.9	0.00
18/08/2022 09:30	1.7	136	34	2.9	0.00
18/08/2022 09:40	1.9	136	29	2.9	0.00
18/08/2022 09:50	2.0	123	28	3.5	0.00
18/08/2022 10:00	1.9	132	30	2.8	0.00
18/08/2022 10:10	1.9	132	27	2.8	0.00
18/08/2022 10:20	1.9	134	27	2.9	0.00
18/08/2022 10:30	1.8	129	32	2.9	0.00
18/08/2022 10:40	1.9	120	36	3.0	0.00
18/08/2022 10:50	1.6	113	33	2.5	0.00
18/08/2022 11:00	1.7	135	31	2.8	0.00
18/08/2022 11:10	1.5	127	37	2.7	0.00
18/08/2022 11:20	1.6	95	37	2.5	0.00
18/08/2022 11:30	1.6	104	38	2.6	0.00
18/08/2022 11:40	1.9	58	23	3.0	0.00
18/08/2022 11:50	1.8	63	27	3.0	0.00
18/08/2022 12:00	1.8	58	29	2.9	0.00
18/08/2022 12:10	2.1	49	23	3.4	0.00
18/08/2022 12:20	1.9	50	28	3.3	0.00
18/08/2022 12:30	2.0	61	24	3.0	0.00
18/08/2022 12:40	2.0	63	26	3.0	0.00
18/08/2022 12:50	2.2	62	25	3.4	0.00
18/08/2022 13:00	2.0	67	24	3.5	0.00
18/08/2022 13:10	2.2	68	22	3.3	0.00
18/08/2022 13:20	2.3	59	22	3.6	0.00
18/08/2022 13:30	1.8	77	22	2.8	0.00





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/08/2022 13:40	2.2	57	19	3.5	0.00
18/08/2022 13:50	2.0	66	27	3.2	0.00
18/08/2022 14:00	1.6	78	28	3.0	0.00
18/08/2022 14:10	1.5	62	27	2.4	0.00
18/08/2022 14:20	1.7	51	25	2.9	0.00
18/08/2022 14:30	2.0	44	23	3.1	0.00
18/08/2022 14:40	1.9	51	22	3.2	0.00
18/08/2022 14:50	1.6	48	28	2.4	0.00
18/08/2022 15:00	1.9	71	22	2.8	0.00
18/08/2022 15:10	1.5	31	32	2.4	0.00
18/08/2022 15:20	1.4	56	25	2.4	0.00
18/08/2022 15:30	1.5	38	34	2.4	0.00
18/08/2022 15:40	1.9	322	28	2.9	0.00
18/08/2022 15:50	1.8	337	27	2.8	0.00
18/08/2022 16:00	1.9	334	29	3.0	0.00
18/08/2022 16:10	2.2	330	22	3.6	0.00
18/08/2022 16:20	2.5	318	18	3.6	0.00
18/08/2022 16:30	2.3	324	22	3.4	0.00
18/08/2022 16:40	2.0	325	25	3.3	0.00
18/08/2022 16:50	2.1	304	30	3.3	0.00
18/08/2022 17:00	1.8	304	34	3.1	0.00
18/08/2022 17:10	1.5	308	36	2.5	0.00
18/08/2022 17:20	1.6	259	27	2.4	0.00
18/08/2022 17:30	1.7	253	20	2.8	0.00
18/08/2022 17:40	1.8	252	14	2.8	0.00
18/08/2022 17:50	1.9	250	15	2.5	0.00
18/08/2022 18:00	2.2	247	13	3.2	0.00
18/08/2022 18:10	2.5	246	12	3.2	0.00
18/08/2022 18:20	3.0	247	13	4.0	0.00
18/08/2022 18:30	3.1	248	11	4.0	0.00
18/08/2022 18:40	3.1	253	13	4.1	0.00
18/08/2022 18:50	3.2	248	11	4.3	0.00
18/08/2022 19:00	3.0	248	13	4.1	0.00
18/08/2022 19:10	3.1	248	12	4.3	0.00
18/08/2022 19:20	2.7	250	13	3.6	0.00
18/08/2022 19:30	2.7	251	14	4.0	0.00
18/08/2022 19:40	2.7	250	13	3.6	0.00
18/08/2022 19:50	2.5	239	16	3.5	0.00
18/08/2022 20:00	2.1	245	15	3.5	0.00
18/08/2022 20:10	2.1	246	17	3.5	0.00
18/08/2022 20:20	1.7	245	16	2.3	0.00
18/08/2022 20:30	1.9	250	11	2.6	0.00
18/08/2022 20:40	2.3	252	14	3.2	0.00
18/08/2022 20:50	2.6	255	16	3.6	0.00
18/08/2022 21:00	2.5	256	18	3.5	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/08/2022 21:10	2.4	255	13	3.3	0.00
18/08/2022 21:20	2.5	258	13	3.2	0.00
18/08/2022 21:30	2.3	260	13	3.2	0.00
18/08/2022 21:40	2.2	260	17	3.1	0.00
18/08/2022 21:50	1.9	257	15	2.7	0.00
18/08/2022 22:00	2.2	263	15	3.2	0.00
18/08/2022 22:10	2.0	263	14	2.7	0.00
18/08/2022 22:20	1.9	256	13	2.6	0.00
18/08/2022 22:30	2.1	247	14	2.9	0.00
18/08/2022 22:40	2.1	257	11	2.8	0.00
18/08/2022 22:50	2.0	260	17	2.8	0.00
18/08/2022 23:00	1.5	236	42	2.9	0.00
18/08/2022 23:10	0.7	162	42	1.3	0.00
18/08/2022 23:20	0.8	206	32	1.6	0.00
18/08/2022 23:30	1.1	205	29	2.0	0.00
18/08/2022 23:40	0.7	184	38	1.5	0.00
18/08/2022 23:50	0.4	196	22	1.5	0.00
19/08/2022 00:00	0.6	141	50	1.3	0.00
19/08/2022 00:10	1.0	144	34	2.0	0.00
19/08/2022 00:20	1.3	131	32	2.4	0.00
19/08/2022 00:30	1.0	107	31	1.7	0.00
19/08/2022 00:40	1.8	109	36	3.0	0.00
19/08/2022 00:50	2.0	107	34	3.8	0.00
19/08/2022 01:00	2.4	91	27	4.4	0.00
19/08/2022 01:10	1.9	82	20	3.5	0.00
19/08/2022 01:20	1.8	79	25	3.1	0.00
19/08/2022 01:30	1.7	87	20	2.6	0.00
19/08/2022 01:40	1.7	82	19	2.7	0.00
19/08/2022 01:50	1.4	88	26	2.8	0.00
19/08/2022 02:00	2.0	92	26	3.3	0.00
19/08/2022 02:10	1.8	101	26	3.2	0.00
19/08/2022 02:20	2.1	108	30	3.9	0.00
19/08/2022 02:30	2.5	95	24	4.6	0.00
19/08/2022 02:40	1.9	108	33	3.8	0.00
19/08/2022 02:50	2.3	111	34	4.5	0.00
19/08/2022 03:00	2.5	111	31	4.4	0.00
19/08/2022 03:10	2.0	111	34	3.5	0.00
19/08/2022 03:20	2.6	98	28	4.6	0.00
19/08/2022 03:30	2.9	104	30	5.5	0.00
19/08/2022 03:40	2.9	104	34	5.6	0.00
19/08/2022 03:50	2.9	108	30	5.1	0.00
19/08/2022 04:00	2.7	103	29	5.1	0.00
19/08/2022 04:10	2.8	101	30	4.7	0.00
19/08/2022 04:20	2.8	111	28	5.2	0.00
19/08/2022 04:30	2.8	104	29	5.1	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/08/2022 04:40	3.0	109	35	6.0	0.00
19/08/2022 04:50	2.8	105	31	5.0	0.00
19/08/2022 05:00	3.2	114	35	5.6	0.00
19/08/2022 05:10	3.2	109	30	5.0	0.00
19/08/2022 05:20	3.8	105	31	6.7	0.00
19/08/2022 05:30	3.8	104	29	7.5	0.00
19/08/2022 05:40	3.6	105	30	5.9	0.00
19/08/2022 05:50	3.5	107	28	6.4	0.00
19/08/2022 06:00	3.3	108	31	6.0	0.00
19/08/2022 06:10	3.3	105	27	6.2	0.00
19/08/2022 06:20	3.6	104	33	6.5	0.00
19/08/2022 06:30	2.7	110	32	4.5	0.00
19/08/2022 06:40	2.9	108	32	5.0	0.00
19/08/2022 06:50	3.2	116	30	5.6	0.00
19/08/2022 07:00	3.2	104	34	5.2	0.00
19/08/2022 07:10	3.1	109	29	5.4	0.00
19/08/2022 07:20	2.9	120	36	6.1	0.00
19/08/2022 07:30	3.4	118	30	5.9	0.00
19/08/2022 07:40	3.5	121	29	6.0	0.00
19/08/2022 07:50	3.2	122	32	5.3	0.00
19/08/2022 08:00	3.4	121	30	6.0	0.00
19/08/2022 08:10	3.3	120	27	6.0	0.00
19/08/2022 08:20	3.6	110	35	6.4	0.00
19/08/2022 08:30	3.4	113	34	6.0	0.00
19/08/2022 08:40	3.8	113	26	5.9	0.00
19/08/2022 08:50	3.9	113	33	7.2	0.00
19/08/2022 09:00	3.5	104	29	5.7	0.00
19/08/2022 09:10	3.9	113	28	7.0	0.00
19/08/2022 09:20	4.1	112	34	7.1	0.00
19/08/2022 09:30	3.6	101	29	6.3	0.00
19/08/2022 09:40	3.7	100	27	6.0	0.00
19/08/2022 09:50	3.9	109	29	6.8	0.00
19/08/2022 10:00	3.7	102	30	6.2	0.00
19/08/2022 10:10	3.7	109	27	5.6	0.00
19/08/2022 10:20	3.5	103	28	5.8	0.00
19/08/2022 10:30	3.5	116	28	6.0	0.00
19/08/2022 10:40	3.2	114	34	5.2	0.00
19/08/2022 10:50	3.4	107	31	6.0	0.00
19/08/2022 11:00	3.5	114	29	5.4	0.00
19/08/2022 11:10	3.7	115	28	5.5	0.00
19/08/2022 11:20	1.9	110	23	4.4	0.00
19/08/2022 11:30	0.6	106	13	5.1	0.00
19/08/2022 11:40	2.5	97	23	5.5	0.00
19/08/2022 11:50	3.1	101	27	6.0	0.00
19/08/2022 12:00	0.1	89	5	3.2	0.00



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/08/2022 12:10					0.00
19/08/2022 12:20	2.3	86	21	4.8	0.00
19/08/2022 12:30					0.00
19/08/2022 12:40	0.8	70	11	4.6	0.00
19/08/2022 12:50	2.8	77	22	4.8	0.00
19/08/2022 13:00	3.1	75	25	4.8	0.00
19/08/2022 13:10	3.0	87	24	4.6	0.00
19/08/2022 13:20	3.3	89	23	5.1	0.00
19/08/2022 13:30	2.9	78	27	4.4	0.00
19/08/2022 13:40	2.9	67	23	4.9	0.00
19/08/2022 13:50	2.9	69	25	4.2	0.00
19/08/2022 14:00	3.0	58	23	5.2	0.00
19/08/2022 14:10	2.8	59	23	4.5	0.00
19/08/2022 14:20	1.2	59	10	2.8	0.00
19/08/2022 14:30					0.00
19/08/2022 14:40					0.00
19/08/2022 14:50					0.00
19/08/2022 15:00					0.00
19/08/2022 15:10					0.00
19/08/2022 15:20					0.00
19/08/2022 15:30					0.00
19/08/2022 15:40					0.00
19/08/2022 15:50					0.00
19/08/2022 16:00					0.00
19/08/2022 16:10					0.00
19/08/2022 16:20					0.00
19/08/2022 16:30					0.00
19/08/2022 16:40					0.00
19/08/2022 16:50	0.1	47	2	3.8	0.00
19/08/2022 17:00	1.1	42	13	2.7	0.00
19/08/2022 17:10	1.7	47	23	2.9	0.00
19/08/2022 17:20	1.7	40	24	2.8	0.00
19/08/2022 17:30	1.8	37	21	2.7	0.00
19/08/2022 17:40	1.7	34	18	2.4	0.00
19/08/2022 17:50	1.6	31	18	2.4	0.00
19/08/2022 18:00	1.5	22	19	2.0	0.00
19/08/2022 18:10	1.1	26	20	1.6	0.00
19/08/2022 18:20	0.9	32	15	1.2	0.00
19/08/2022 18:30	0.8	22	11	1.1	0.00
19/08/2022 18:40	1.0	18	14	1.2	0.00
19/08/2022 18:50	0.9	17	14	1.1	0.00
19/08/2022 19:00	0.8	13	16	1.2	0.00
19/08/2022 19:10	0.9	18	17	1.3	0.00
19/08/2022 19:20	0.8	187	18	1.2	0.00
19/08/2022 19:30	0.7	6	19	0.9	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/08/2022 19:40	0.8	353	13	1.1	0.00
19/08/2022 19:50	0.8	181	12	1.0	0.00
19/08/2022 20:00	0.8	181	14	1.2	0.00
19/08/2022 20:10	0.9	7	12	1.2	0.00
19/08/2022 20:20	0.8	13	12	1.1	0.00
19/08/2022 20:30	0.9	10	11	1.1	0.00
19/08/2022 20:40	0.7	4	12	1.1	0.00
19/08/2022 20:50	0.6	23	24	0.8	0.00
19/08/2022 21:00	0.2	185	14	0.6	0.00
19/08/2022 21:10	0.3	188	19	0.8	0.00
19/08/2022 21:20	0.3	56	34	1.2	0.00
19/08/2022 21:30	0.2	31	44	0.6	0.00
19/08/2022 21:40	0.3	210	24	0.7	0.00
19/08/2022 21:50	0.6	89	45	1.1	0.00
19/08/2022 22:00	0.8	98	28	1.6	0.00
19/08/2022 22:10	1.0	112	37	2.1	0.00
19/08/2022 22:20	0.5	88	35	0.9	0.00
19/08/2022 22:30	0.5	66	46	1.1	0.00
19/08/2022 22:40	0.6	55	27	1.0	0.00
19/08/2022 22:50	0.6	50	27	1.0	0.00
19/08/2022 23:00	0.5	59	33	0.9	0.00
19/08/2022 23:10	0.6	41	33	0.9	0.00
19/08/2022 23:20	0.6	49	39	0.9	0.00
19/08/2022 23:30	0.5	66	42	1.6	0.00
19/08/2022 23:40	0.3	51	41	0.8	0.00
19/08/2022 23:50	0.1	182	19	0.6	0.00
20/08/2022 00:00	0.2	129	16	0.7	0.00
20/08/2022 00:10	0.2	86	21	0.8	0.00
20/08/2022 00:20	0.3	63	35	0.8	0.00
20/08/2022 00:30	0.5	57	51	1.4	0.00
20/08/2022 00:40	0.4	83	41	1.0	0.00
20/08/2022 00:50	0.7	57	36	1.1	0.00
20/08/2022 01:00	0.8	72	34	1.6	0.00
20/08/2022 01:10	1.1	64	32	1.8	0.00
20/08/2022 01:20	1.5	83	18	2.4	0.00
20/08/2022 01:30	1.8	87	21	3.5	0.00
20/08/2022 01:40	2.1	86	23	3.9	0.00
20/08/2022 01:50	2.1	88	26	3.7	0.00
20/08/2022 02:00	2.5	97	31	4.4	0.00
20/08/2022 02:10	1.2	90	13	4.3	0.00
20/08/2022 02:20					0.00
20/08/2022 02:30	2.6	95	27	4.4	0.00
20/08/2022 02:40	2.5	102	29	5.2	0.00
20/08/2022 02:50	2.7	96	27	4.5	0.00
20/08/2022 03:00	2.7	97	31	5.1	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/08/2022 03:10	2.8	99	29	4.4	0.00
20/08/2022 03:20	2.8	95	25	5.0	0.00
20/08/2022 03:30	2.7	93	24	5.1	0.00
20/08/2022 03:40	2.6	94	30	4.8	0.00
20/08/2022 03:50	3.1	94	28	5.8	0.00
20/08/2022 04:00	3.0	98	28	5.1	0.00
20/08/2022 04:10	2.7	97	29	4.9	0.00
20/08/2022 04:20	2.7	99	24	4.3	0.00
20/08/2022 04:30	2.8	96	27	4.8	0.00
20/08/2022 04:40	2.9	98	26	5.0	0.00
20/08/2022 04:50	2.4	110	30	4.2	0.00
20/08/2022 05:00	2.6	113	31	4.4	0.00
20/08/2022 05:10	2.8	109	29	4.4	0.00
20/08/2022 05:20	2.4	107	34	3.7	0.00
20/08/2022 05:30	2.3	113	34	3.8	0.00
20/08/2022 05:40	2.4	103	31	3.6	0.00
20/08/2022 05:50	2.1	100	32	3.7	0.00
20/08/2022 06:00	2.1	99	28	3.8	0.00
20/08/2022 06:10	2.5	106	31	4.2	0.00
20/08/2022 06:20	2.7	104	29	4.3	0.00
20/08/2022 06:30	2.6	105	28	4.8	0.00
20/08/2022 06:40	2.9	109	29	5.2	0.00
20/08/2022 06:50	2.7	106	31	5.1	0.00
20/08/2022 07:00	2.8	102	28	4.8	0.00
20/08/2022 07:10	2.4	98	34	4.4	0.00
20/08/2022 07:20	1.6	104	20	4.0	0.00
20/08/2022 07:30					0.00
20/08/2022 07:40					0.00
20/08/2022 07:50					0.00
20/08/2022 08:00					0.00
20/08/2022 08:10					0.00
20/08/2022 08:20					0.00
20/08/2022 08:30					0.00
20/08/2022 08:40	1.5	111	25	4.9	0.00
20/08/2022 08:50	0.8	102	12	2.8	0.00
20/08/2022 09:00	0.1	111	8	2.0	0.00
20/08/2022 09:10	0.6	118	11	5.9	0.00
20/08/2022 09:20					0.00
20/08/2022 09:30					0.00
20/08/2022 09:40					0.00
20/08/2022 09:50	0.3	109	11	5.9	0.00
20/08/2022 10:00					0.00
20/08/2022 10:10					0.00
20/08/2022 10:20					0.00
20/08/2022 10:30					0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/08/2022 10:40	0.1	137	9	1.1	0.00
20/08/2022 10:50					0.00
20/08/2022 11:00	0.2	95	9	3.0	0.00
20/08/2022 11:10					0.00
20/08/2022 11:20					0.00
20/08/2022 11:30					0.00
20/08/2022 11:40	0.0	63	0	0.4	0.00
20/08/2022 11:50					0.00
20/08/2022 12:00	0.4	72	2	4.9	0.00
20/08/2022 12:10	3.2	82	25	5.6	0.00
20/08/2022 12:20	3.5	75	28	6.0	0.00
20/08/2022 12:30	2.7	65	25	4.9	0.00
20/08/2022 12:40	2.9	66	21	5.2	0.00
20/08/2022 12:50	3.0	62	19	4.8	0.00
20/08/2022 13:00	2.7	61	19	6.1	0.00
20/08/2022 13:10	2.8	63	21	5.2	0.00
20/08/2022 13:20	2.8	66	22	5.6	0.00
20/08/2022 13:30	3.1	75	24	5.2	0.00
20/08/2022 13:40	2.9	87	28	5.2	0.00
20/08/2022 13:50	2.8	81	23	5.0	0.00
20/08/2022 14:00	2.9	70	24	5.0	0.00
20/08/2022 14:10	2.4	67	19	4.8	0.00
20/08/2022 14:20	0.2	65	6	2.7	0.00
20/08/2022 14:30					0.00
20/08/2022 14:40					0.00
20/08/2022 14:50					0.00
20/08/2022 15:00					0.00
20/08/2022 15:10					0.00
20/08/2022 15:20					0.00
20/08/2022 15:30					0.00
20/08/2022 15:40					0.00
20/08/2022 15:50					0.00
20/08/2022 16:00					0.00
20/08/2022 16:10					0.00
20/08/2022 16:20					0.00
20/08/2022 16:30					0.00
20/08/2022 16:40	1.3	49	14	3.3	0.00
20/08/2022 16:50	2.2	54	21	3.2	0.00
20/08/2022 17:00	2.1	49	18	3.2	0.00
20/08/2022 17:10	1.8	49	23	2.9	0.00
20/08/2022 17:20	1.7	45	21	2.4	0.00
20/08/2022 17:30	1.5	37	19	2.5	0.00
20/08/2022 17:40	1.8	35	20	2.6	0.00
20/08/2022 17:50	1.5	39	17	2.6	0.00
20/08/2022 18:00	1.5	38	18	2.0	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/08/2022 18:10	1.5	28	18	2.1	0.00
20/08/2022 18:20	1.6	25	17	2.3	0.00
20/08/2022 18:30	1.4	27	17	1.8	0.00
20/08/2022 18:40	1.3	23	15	1.7	0.00
20/08/2022 18:50	1.4	24	18	2.0	0.00
20/08/2022 19:00	1.0	28	21	1.6	0.00
20/08/2022 19:10	0.7	33	23	1.0	0.00
20/08/2022 19:20	1.0	12	13	1.2	0.00
20/08/2022 19:30	1.0	17	14	1.4	0.00
20/08/2022 19:40	0.2	179	33	0.8	0.00
20/08/2022 19:50	0.8	351	13	1.2	0.00
20/08/2022 20:00	0.3	27	16	0.7	0.00
20/08/2022 20:10	0.7	356	14	0.9	0.00
20/08/2022 20:20	0.9	181	14	1.2	0.00
20/08/2022 20:30	0.9	10	17	1.2	0.00
20/08/2022 20:40	0.9	14	18	1.3	0.00
20/08/2022 20:50	0.8	12	23	1.3	0.00
20/08/2022 21:00	0.8	180	17	1.3	0.00
20/08/2022 21:10	0.9	12	19	1.2	0.00
20/08/2022 21:20	0.9	17	22	1.3	0.00
20/08/2022 21:30	1.0	3	17	1.4	0.00
20/08/2022 21:40	0.9	5	19	1.2	0.00
20/08/2022 21:50	1.1	182	16	1.6	0.00
20/08/2022 22:00	1.0	15	20	1.3	0.00
20/08/2022 22:10	1.0	8	18	1.3	0.00
20/08/2022 22:20	1.0	11	17	1.5	0.00
20/08/2022 22:30	1.0	12	19	1.2	0.00
20/08/2022 22:40	1.0	5	18	1.3	0.00
20/08/2022 22:50	1.1	353	16	1.4	0.00
20/08/2022 23:00	1.0	182	19	1.3	0.00
20/08/2022 23:10	0.9	8	19	1.3	0.00
20/08/2022 23:20	1.0	182	17	1.4	0.00
20/08/2022 23:30	1.0	9	18	1.3	0.00
20/08/2022 23:40	1.1	351	14	1.6	0.00
20/08/2022 23:50	1.1	357	15	1.3	0.00
21/08/2022 00:00	1.1	344	13	1.6	0.00
21/08/2022 00:10	1.2	346	12	1.5	0.00
21/08/2022 00:20	1.1	355	14	1.6	0.00
21/08/2022 00:30	1.0	354	14	1.4	0.00
21/08/2022 00:40	0.8	4	12	1.1	0.00
21/08/2022 00:50	0.9	350	13	1.1	0.00
21/08/2022 01:00	0.8	182	14	1.0	0.00
21/08/2022 01:10	0.8	179	13	1.2	0.00
21/08/2022 01:20	0.8	178	14	1.1	0.00
21/08/2022 01:30	1.0	6	13	1.3	0.00





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/08/2022 01:40	1.1	12	13	1.5	0.00
21/08/2022 01:50	1.2	7	13	1.6	0.00
21/08/2022 02:00	1.2	9	12	1.6	0.00
21/08/2022 02:10	0.9	30	23	1.2	0.00
21/08/2022 02:20	0.9	39	21	1.5	0.00
21/08/2022 02:30	1.1	39	20	1.7	0.00
21/08/2022 02:40	0.8	40	19	1.2	0.00
21/08/2022 02:50	0.8	31	19	1.2	0.00
21/08/2022 03:00	0.9	22	15	1.2	0.00
21/08/2022 03:10	0.5	16	20	0.9	0.00
21/08/2022 03:20	0.8	23	16	1.2	0.00
21/08/2022 03:30	0.6	23	14	0.9	0.00
21/08/2022 03:40	0.7	16	12	1.0	0.00
21/08/2022 03:50	0.8	20	15	1.1	0.00
21/08/2022 04:00	0.6	31	22	0.8	0.00
21/08/2022 04:10	0.4	33	21	0.8	0.00
21/08/2022 04:20	0.5	42	15	0.8	0.00
21/08/2022 04:30	0.5	40	13	0.8	0.00
21/08/2022 04:40	0.3	37	15	0.8	0.00
21/08/2022 04:50	0.5	35	17	0.8	0.00
21/08/2022 05:00	0.6	56	18	1.0	0.00
21/08/2022 05:10	0.3	55	26	0.7	0.00
21/08/2022 05:20	0.5	17	14	0.8	0.00
21/08/2022 05:30	0.5	25	24	0.8	0.00
21/08/2022 05:40	0.4	24	17	0.6	0.00
21/08/2022 05:50	0.4	23	28	0.7	0.00
21/08/2022 06:00	0.4	32	21	0.8	0.00
21/08/2022 06:10	0.6	41	24	0.9	0.00
21/08/2022 06:20	0.8	52	19	1.4	0.00
21/08/2022 06:30	0.8	53	30	1.5	0.00
21/08/2022 06:40	0.5	42	29	1.0	0.00
21/08/2022 06:50	0.6	44	20	1.1	0.00
21/08/2022 07:00	0.8	48	20	1.2	0.00
21/08/2022 07:10	0.8	59	24	1.3	0.00
21/08/2022 07:20	0.5	64	26	1.2	0.00
21/08/2022 07:30					0.00
21/08/2022 07:40					0.00
21/08/2022 07:50					0.00
21/08/2022 08:00					0.00
21/08/2022 08:10					0.00
21/08/2022 08:20					0.00
21/08/2022 08:30					0.00
21/08/2022 08:40					0.00
21/08/2022 08:50					0.00
21/08/2022 09:00					0.00



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/08/2022 09:10					0.00
21/08/2022 09:20					0.00
21/08/2022 09:30					0.00
21/08/2022 09:40					0.00
21/08/2022 09:50					0.00
21/08/2022 10:00					0.00
21/08/2022 10:10					0.00
21/08/2022 10:20					0.00
21/08/2022 10:30					0.00
21/08/2022 10:40					0.00
21/08/2022 10:50					0.00
21/08/2022 11:00					0.00
21/08/2022 11:10					0.00
21/08/2022 11:20					0.00
21/08/2022 11:30					0.00
21/08/2022 11:40					0.00
21/08/2022 11:50					0.00
21/08/2022 12:00					0.00
21/08/2022 12:10					0.00
21/08/2022 12:20					0.00
21/08/2022 12:30					0.00
21/08/2022 12:40					0.00
21/08/2022 12:50					0.00
21/08/2022 13:00	0.4	56	13	4.1	0.00
21/08/2022 13:10					0.00
21/08/2022 13:20					0.00
21/08/2022 13:30					0.00
21/08/2022 13:40					0.00
21/08/2022 13:50					0.00
21/08/2022 14:00					0.00
21/08/2022 14:10					0.00
21/08/2022 14:20					0.00
21/08/2022 14:30					0.00
21/08/2022 14:40					0.00
21/08/2022 14:50					0.00
21/08/2022 15:00					0.00
21/08/2022 15:10					0.00
21/08/2022 15:20					0.00
21/08/2022 15:30					0.00
21/08/2022 15:40					0.00
21/08/2022 15:50					0.00
21/08/2022 16:00					0.00
21/08/2022 16:10					0.00
21/08/2022 16:20					0.00
21/08/2022 16:30					0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/08/2022 16:40					0.00
21/08/2022 16:50					0.00
21/08/2022 17:00					0.00
21/08/2022 17:10					0.00
21/08/2022 17:20					0.00
21/08/2022 17:30	0.2	50	4	2.8	0.00
21/08/2022 17:40	0.8	49	11	2.7	0.00
21/08/2022 17:50	0.3	49	7	2.0	0.00
21/08/2022 18:00	0.8	43	18	1.6	0.00
21/08/2022 18:10	1.1	47	14	1.5	0.00
21/08/2022 18:20	1.3	37	21	2.0	0.00
21/08/2022 18:30	1.5	32	19	2.0	0.00
21/08/2022 18:40	1.6	26	19	2.5	0.00
21/08/2022 18:50	1.5	28	19	2.4	0.00
21/08/2022 19:00	1.6	28	19	2.4	0.00
21/08/2022 19:10	1.3	41	20	1.9	0.00
21/08/2022 19:20	1.4	27	17	1.9	0.00
21/08/2022 19:30	1.6	26	17	2.5	0.00
21/08/2022 19:40	1.4	32	14	1.9	0.00
21/08/2022 19:50	1.3	44	15	1.9	0.00
21/08/2022 20:00	1.3	46	12	1.8	0.00
21/08/2022 20:10	1.3	150	19	2.0	0.00
21/08/2022 20:20	1.1	231	54	1.9	0.00
21/08/2022 20:30	1.0	295	30	1.7	0.00
21/08/2022 20:40	1.2	333	26	1.7	0.00
21/08/2022 20:50	0.5	225	58	1.2	0.00
21/08/2022 21:00	1.0	324	21	1.7	0.00
21/08/2022 21:10	0.7	29	31	1.3	0.00
21/08/2022 21:20	0.8	204	16	1.2	0.00
21/08/2022 21:30	0.4	180	10	0.8	0.00
21/08/2022 21:40	0.4	130	62	0.8	0.00
21/08/2022 21:50	1.0	34	15	1.4	0.00
21/08/2022 22:00	0.5	99	32	0.9	0.00
21/08/2022 22:10	0.3	281	9	0.7	0.00
21/08/2022 22:20	0.8	317	33	1.3	0.00
21/08/2022 22:30	0.8	174	15	1.1	0.00
21/08/2022 22:40	0.7	177	13	1.0	0.00
21/08/2022 22:50	0.8	356	16	1.1	0.00
21/08/2022 23:00	0.9	184	14	1.2	0.00
21/08/2022 23:10	0.8	6	14	1.0	0.00
21/08/2022 23:20	0.7	182	14	0.9	0.00
21/08/2022 23:30	0.7	177	11	0.8	0.00
21/08/2022 23:40	0.7	352	11	0.9	0.00
21/08/2022 23:50	0.7	346	11	0.9	0.00
22/08/2022 00:00	1.0	286	33	2.1	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/08/2022 00:10	1.0	298	25	1.4	0.00
22/08/2022 00:20	1.6	248	20	2.4	0.00
22/08/2022 00:30	1.2	277	21	2.2	0.00
22/08/2022 00:40	0.7	134	50	1.1	0.00
22/08/2022 00:50	0.8	355	12	1.2	0.00
22/08/2022 01:00	0.8	9	31	1.3	0.00
22/08/2022 01:10	0.8	12	13	1.0	0.00
22/08/2022 01:20	0.9	174	12	1.2	0.00
22/08/2022 01:30	1.1	347	9	1.3	0.00
22/08/2022 01:40	1.0	345	12	1.3	0.00
22/08/2022 01:50	0.8	358	43	1.1	0.00
22/08/2022 02:00	1.1	351	14	1.4	0.00
22/08/2022 02:10	1.0	338	16	1.3	0.00
22/08/2022 02:20	1.4	345	9	1.9	0.00
22/08/2022 02:30	1.8	338	5	2.1	0.00
22/08/2022 02:40	1.5	336	8	1.8	0.00
22/08/2022 02:50	1.2	345	11	1.6	0.00
22/08/2022 03:00	1.0	355	15	1.5	0.00
22/08/2022 03:10	1.1	345	12	1.6	0.00
22/08/2022 03:20	1.1	344	10	1.5	0.00
22/08/2022 03:30	0.9	183	13	1.3	0.00
22/08/2022 03:40	0.9	356	13	1.4	0.00
22/08/2022 03:50	0.8	38	37	1.2	0.00
22/08/2022 04:00	1.0	184	29	1.5	0.00
22/08/2022 04:10	0.8	176	29	1.3	0.00
22/08/2022 04:20	0.9	319	28	1.3	0.00
22/08/2022 04:30	1.0	343	23	1.5	0.00
22/08/2022 04:40	1.3	347	6	1.6	0.00
22/08/2022 04:50	1.1	342	9	1.4	0.00
22/08/2022 05:00	0.9	350	9	1.2	0.00
22/08/2022 05:10	0.8	355	14	1.1	0.00
22/08/2022 05:20	0.7	355	16	1.0	0.00
22/08/2022 05:30	1.2	353	13	1.6	0.00
22/08/2022 05:40	1.1	357	15	1.5	0.00
22/08/2022 05:50	1.3	355	14	1.6	0.00
22/08/2022 06:00	1.0	342	11	1.2	0.00
22/08/2022 06:10	0.8	348	12	1.2	0.00
22/08/2022 06:20	0.7	313	35	1.2	0.00
22/08/2022 06:30	0.8	310	24	1.3	0.00
22/08/2022 06:40	1.1	350	11	1.4	0.00
22/08/2022 06:50	1.5	336	7	1.7	0.00
22/08/2022 07:00	1.1	338	12	1.7	0.00
22/08/2022 07:10					0.00
22/08/2022 07:20					0.00
22/08/2022 07:30					0.00



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/08/2022 07:40					0.00
22/08/2022 07:50					0.00
22/08/2022 08:00					0.00
22/08/2022 08:10					0.00
22/08/2022 08:20					0.00
22/08/2022 08:30					0.00
22/08/2022 08:40					0.00
22/08/2022 08:50					0.00
22/08/2022 09:00					0.00
22/08/2022 09:10					0.00
22/08/2022 09:20	1.1	138	33	2.2	0.00
22/08/2022 09:30	1.6	137	26	2.8	0.00
22/08/2022 09:40	1.5	136	29	2.3	0.00
22/08/2022 09:50	1.6	125	29	2.5	0.00
22/08/2022 10:00	1.8	116	31	2.9	0.00
22/08/2022 10:10	1.7	117	26	2.6	0.00
22/08/2022 10:20	1.9	101	26	2.9	0.00
22/08/2022 10:30	1.8	99	26	3.3	0.00
22/08/2022 10:40	1.1	86	16	2.7	0.00
22/08/2022 10:50					0.00
22/08/2022 11:00					0.00
22/08/2022 11:10					0.00
22/08/2022 11:20					0.00
22/08/2022 11:30					0.00
22/08/2022 11:40					0.00
22/08/2022 11:50					0.00
22/08/2022 12:00					0.00
22/08/2022 12:10					0.00
22/08/2022 12:20					0.00
22/08/2022 12:30					0.00
22/08/2022 12:40					0.00
22/08/2022 12:50					0.00
22/08/2022 13:00					0.00
22/08/2022 13:10					0.00
22/08/2022 13:20					0.00
22/08/2022 13:30					0.00
22/08/2022 13:40					0.00
22/08/2022 13:50					0.00
22/08/2022 14:00					0.00
22/08/2022 14:10					0.00
22/08/2022 14:20					0.00
22/08/2022 14:30					0.00
22/08/2022 14:40					0.00
22/08/2022 14:50					0.00
22/08/2022 15:00					0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/08/2022 15:10					0.00
22/08/2022 15:20					0.00
22/08/2022 15:30					0.00
22/08/2022 15:40					0.00
22/08/2022 15:50					0.00
22/08/2022 16:00					0.00
22/08/2022 16:10					0.00
22/08/2022 16:20					0.00
22/08/2022 16:30					0.00
22/08/2022 16:40					0.00
22/08/2022 16:50					0.00
22/08/2022 17:00	0.2	51	4	2.2	0.00
22/08/2022 17:10	1.7	42	20	2.9	0.00
22/08/2022 17:20	1.8	32	25	3.0	0.00
22/08/2022 17:30	1.5	35	28	2.4	0.00
22/08/2022 17:40	1.5	39	20	2.1	0.00
22/08/2022 17:50	1.5	40	19	2.4	0.00
22/08/2022 18:00	1.3	31	34	2.3	0.00
22/08/2022 18:10	1.3	200	37	2.6	0.00
22/08/2022 18:20	1.5	355	25	2.8	0.00
22/08/2022 18:30	1.5	7	32	2.4	0.00
22/08/2022 18:40	1.2	31	32	2.6	0.00
22/08/2022 18:50	1.3	46	22	2.1	0.00
22/08/2022 19:00	1.5	57	16	2.1	0.00
22/08/2022 19:10	1.3	50	18	2.0	0.00
22/08/2022 19:20	1.2	62	15	1.8	0.00
22/08/2022 19:30	1.4	47	15	2.0	0.00
22/08/2022 19:40	1.5	47	17	2.1	0.00
22/08/2022 19:50	1.4	51	15	2.1	0.00
22/08/2022 20:00	1.3	54	14	1.7	0.00
22/08/2022 20:10	1.6	54	14	2.2	0.00
22/08/2022 20:20	1.1	35	24	1.6	0.00
22/08/2022 20:30	1.5	36	21	2.4	0.00
22/08/2022 20:40	1.5	49	18	2.1	0.00
22/08/2022 20:50	1.2	38	27	2.1	0.00
22/08/2022 21:00	0.8	137	53	1.4	0.00
22/08/2022 21:10	0.9	227	25	1.6	0.00
22/08/2022 21:20	0.7	192	39	1.2	0.00
22/08/2022 21:30	0.7	40	20	1.0	0.00
22/08/2022 21:40	0.4	104	31	0.8	0.00
22/08/2022 21:50	0.7	176	19	1.0	0.00
22/08/2022 22:00	0.7	178	14	1.0	0.00
22/08/2022 22:10	0.5	2	11	0.8	0.00
22/08/2022 22:20	0.4	348	10	0.7	0.00
22/08/2022 22:30	0.7	353	11	1.1	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/08/2022 22:40	0.8	344	10	1.2	0.00
22/08/2022 22:50	0.4	345	12	0.9	0.00
22/08/2022 23:00	0.7	347	13	1.1	0.00
22/08/2022 23:10	1.1	348	12	1.3	0.00
22/08/2022 23:20	1.1	344	8	1.4	0.00
22/08/2022 23:30	1.1	342	8	1.3	0.00
22/08/2022 23:40	0.6	338	19	0.8	0.00
22/08/2022 23:50	0.6	347	12	0.8	0.00
23/08/2022 00:00	0.7	352	15	1.2	0.00
23/08/2022 00:10	0.7	189	19	1.0	0.00
23/08/2022 00:20	0.4	176	8	0.8	0.00
23/08/2022 00:30	0.6	13	22	0.8	0.00
23/08/2022 00:40	0.5	46	36	0.9	0.00
23/08/2022 00:50	0.5	307	31	0.8	0.00
23/08/2022 01:00	0.7	329	29	1.2	0.00
23/08/2022 01:10	1.4	255	8	1.7	0.00
23/08/2022 01:20	0.9	153	27	1.3	0.00
23/08/2022 01:30	0.9	16	16	1.2	0.00
23/08/2022 01:40	0.9	9	20	1.6	0.00
23/08/2022 01:50	0.9	10	29	1.4	0.00
23/08/2022 02:00	0.8	344	25	1.2	0.00
23/08/2022 02:10	1.1	297	36	1.6	0.00
23/08/2022 02:20	0.8	349	52	1.3	0.00
23/08/2022 02:30	0.8	14	18	1.1	0.00
23/08/2022 02:40	1.0	6	17	1.1	0.00
23/08/2022 02:50	1.1	181	13	1.5	0.00
23/08/2022 03:00	1.1	179	16	1.5	0.00
23/08/2022 03:10	1.0	181	15	1.3	0.00
23/08/2022 03:20	0.9	179	16	1.2	0.00
23/08/2022 03:30	0.8	8	21	1.2	0.00
23/08/2022 03:40	0.8	12	15	1.2	0.00
23/08/2022 03:50	1.0	180	11	1.3	0.00
23/08/2022 04:00	1.4	335	9	1.8	0.00
23/08/2022 04:10	1.2	337	19	1.9	0.00
23/08/2022 04:20	0.7	63	42	1.5	0.00
23/08/2022 04:30	0.7	100	44	1.3	0.00
23/08/2022 04:40	0.7	82	54	1.2	0.00
23/08/2022 04:50	1.6	111	36	4.0	0.00
23/08/2022 05:00	1.3	104	22	3.4	0.00
23/08/2022 05:10	1.4	102	22	3.9	0.00
23/08/2022 05:20	0.4	106	7	3.3	0.00
23/08/2022 05:30	2.6	110	37	4.4	0.00
23/08/2022 05:40	2.6	112	30	4.1	0.00
23/08/2022 05:50	2.9	103	31	5.0	0.00
23/08/2022 06:00	2.8	106	28	4.7	0.00



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/08/2022 06:10	2.7	109	36	5.0	0.00
23/08/2022 06:20	3.2	113	28	5.4	0.00
23/08/2022 06:30	2.8	110	26	4.5	0.00
23/08/2022 06:40	3.3	108	29	6.0	0.00
23/08/2022 06:50	3.5	105	34	5.4	0.00
23/08/2022 07:00	3.6	104	29	6.5	0.00
23/08/2022 07:10	3.5	108	30	5.6	0.00
23/08/2022 07:20	3.1	104	30	5.7	0.00
23/08/2022 07:30	0.7	108	14	4.8	0.00
23/08/2022 07:40					0.00
23/08/2022 07:50					0.00
23/08/2022 08:00	0.0	82	0	0.8	0.00
23/08/2022 08:10					0.00
23/08/2022 08:20	0.0	84	0	0.4	0.00
23/08/2022 08:30					0.00
23/08/2022 08:40					0.00
23/08/2022 08:50					0.00
23/08/2022 09:00					0.00
23/08/2022 09:10					0.00
23/08/2022 09:20					0.00
23/08/2022 09:30					0.00
23/08/2022 09:40					0.00
23/08/2022 09:50					0.00
23/08/2022 10:00	0.0	112	1	0.6	0.00
23/08/2022 10:10					0.00
23/08/2022 10:20					0.00
23/08/2022 10:30					0.00
23/08/2022 10:40					0.00
23/08/2022 10:50					0.00
23/08/2022 11:00					0.00
23/08/2022 11:10					0.00
23/08/2022 11:20					0.00
23/08/2022 11:30					0.00
23/08/2022 11:40					0.00
23/08/2022 11:50					0.00
23/08/2022 12:00					0.00
23/08/2022 12:10					0.00
23/08/2022 12:20					0.00
23/08/2022 12:30					0.00
23/08/2022 12:40					0.00
23/08/2022 12:50					0.00
23/08/2022 13:00					0.00
23/08/2022 13:10					0.00
23/08/2022 13:20					0.00
23/08/2022 13:30					0.00





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/08/2022 13:40					0.00
23/08/2022 13:50					0.00
23/08/2022 14:00					0.00
23/08/2022 14:10					0.00
23/08/2022 14:20					0.00
23/08/2022 14:30					0.00
23/08/2022 14:40					0.00
23/08/2022 14:50					0.00
23/08/2022 15:00					0.00
23/08/2022 15:10					0.00
23/08/2022 15:20					0.00
23/08/2022 15:30					0.00
23/08/2022 15:40					0.00
23/08/2022 15:50					0.00
23/08/2022 16:00					0.00
23/08/2022 16:10					0.00
23/08/2022 16:20					0.00
23/08/2022 16:30					0.00
23/08/2022 16:40					0.00
23/08/2022 16:50					0.00
23/08/2022 17:00					0.00
23/08/2022 17:10					0.00
23/08/2022 17:20					0.00
23/08/2022 17:30					0.00
23/08/2022 17:40					0.00
23/08/2022 17:50	0.0	28	0	0.6	0.00
23/08/2022 18:00	0.0	53	0	0.8	0.00
23/08/2022 18:10					0.00
23/08/2022 18:20	1.5	37	13	3.8	0.00
23/08/2022 18:30	2.3	41	19	3.4	0.00
23/08/2022 18:40	2.1	37	22	2.9	0.00
23/08/2022 18:50	2.0	41	18	2.9	0.00
23/08/2022 19:00	1.9	41	20	2.8	0.00
23/08/2022 19:10	1.7	45	19	2.8	0.00
23/08/2022 19:20	1.7	43	21	2.7	0.00
23/08/2022 19:30	1.5	38	22	2.5	0.00
23/08/2022 19:40	1.4	46	23	2.5	0.00
23/08/2022 19:50	1.5	46	19	2.2	0.00
23/08/2022 20:00	1.5	47	17	2.2	0.00
23/08/2022 20:10	1.5	49	19	2.3	0.00
23/08/2022 20:20	1.4	46	19	2.5	0.00
23/08/2022 20:30	1.3	47	24	1.8	0.00
23/08/2022 20:40	1.6	59	24	2.5	0.00
23/08/2022 20:50	1.4	60	25	2.2	0.00
23/08/2022 21:00	1.9	50	22	2.9	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/08/2022 21:10	2.5	65	27	4.5	0.00
23/08/2022 21:20	2.2	81	19	4.6	0.00
23/08/2022 21:30					0.00
23/08/2022 21:40					0.00
23/08/2022 21:50					0.00
23/08/2022 22:00					0.00
23/08/2022 22:10					0.00
23/08/2022 22:20	2.0	93	24	3.9	0.00
23/08/2022 22:30	2.4	96	25	4.2	0.00
23/08/2022 22:40	2.8	100	25	5.3	0.00
23/08/2022 22:50	2.7	100	27	4.8	0.00
23/08/2022 23:00	3.5	98	26	5.6	0.00
23/08/2022 23:10	3.2	95	31	5.2	0.00
23/08/2022 23:20	3.2	105	27	5.8	0.00
23/08/2022 23:30	3.0	103	30	5.4	0.00
23/08/2022 23:40	3.0	111	28	5.2	0.00
23/08/2022 23:50	2.9	108	33	4.8	0.00
24/08/2022 00:00	3.0	104	35	5.5	0.00
24/08/2022 00:10	2.6	104	32	4.6	0.00
24/08/2022 00:20	3.0	109	27	5.0	0.00
24/08/2022 00:30	3.0	112	36	5.4	0.00
24/08/2022 00:40	2.9	107	28	5.1	0.00
24/08/2022 00:50	3.2	103	32	6.5	0.00
24/08/2022 01:00	2.9	100	29	5.7	0.00
24/08/2022 01:10	3.1	106	27	5.6	0.00
24/08/2022 01:20	3.1	107	30	5.8	0.00
24/08/2022 01:30	3.2	101	30	5.6	0.00
24/08/2022 01:40	3.4	100	36	5.8	0.00
24/08/2022 01:50	3.7	103	26	6.3	0.00
24/08/2022 02:00	3.2	107	32	6.0	0.00
24/08/2022 02:10	3.3	105	33	6.0	0.00
24/08/2022 02:20	3.4	110	31	5.6	0.00
24/08/2022 02:30	3.2	107	39	6.1	0.00
24/08/2022 02:40	3.1	104	31	5.4	0.00
24/08/2022 02:50	3.7	99	26	6.3	0.00
24/08/2022 03:00	3.4	111	31	5.9	0.00
24/08/2022 03:10	3.1	104	33	5.7	0.00
24/08/2022 03:20	3.6	104	28	6.4	0.00
24/08/2022 03:30	3.5	109	32	6.6	0.00
24/08/2022 03:40	3.5	107	34	6.8	0.00
24/08/2022 03:50	3.2	98	29	5.6	0.00
24/08/2022 04:00	3.3	103	30	5.6	0.00
24/08/2022 04:10	3.5	107	35	6.2	0.00
24/08/2022 04:20	3.4	108	31	5.9	0.00
24/08/2022 04:30	3.9	105	30	6.1	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/08/2022 04:40	3.8	102	33	6.4	0.00
24/08/2022 04:50	3.7	103	30	6.2	0.00
24/08/2022 05:00	3.8	103	28	7.3	0.00
24/08/2022 05:10	3.7	105	31	6.8	0.00
24/08/2022 05:20	3.2	117	33	6.1	0.00
24/08/2022 05:30	3.4	101	27	5.6	0.00
24/08/2022 05:40	3.5	97	27	5.6	0.00
24/08/2022 05:50	3.1	110	30	5.4	0.00
24/08/2022 06:00	3.3	98	24	6.0	0.00
24/08/2022 06:10	3.5	102	31	7.1	0.00
24/08/2022 06:20	3.4	102	28	5.9	0.00
24/08/2022 06:30	3.4	98	26	5.2	0.00
24/08/2022 06:40	3.7	102	27	6.7	0.00
24/08/2022 06:50	3.4	96	26	5.6	0.00
24/08/2022 07:00	3.7	96	20	5.6	0.00
24/08/2022 07:10	3.4	98	26	5.3	0.00
24/08/2022 07:20	3.5	98	25	6.0	0.00
24/08/2022 07:30	3.4	102	31	6.4	0.00
24/08/2022 07:40	3.7	108	26	6.7	0.00
24/08/2022 07:50	3.7	102	30	6.9	0.00
24/08/2022 08:00	3.8	100	30	5.6	0.00
24/08/2022 08:10	3.4	103	30	5.6	0.00
24/08/2022 08:20	3.3	105	29	5.2	0.00
24/08/2022 08:30	3.4	94	32	5.9	0.00
24/08/2022 08:40	3.0	100	28	5.4	0.00
24/08/2022 08:50	3.7	99	31	6.0	0.00
24/08/2022 09:00	3.6	94	27	5.7	0.00
24/08/2022 09:10	3.3	91	26	5.4	0.00
24/08/2022 09:20	4.1	86	23	6.5	0.00
24/08/2022 09:30	3.8	85	23	6.0	0.00
24/08/2022 09:40	4.0	89	21	6.0	0.00
24/08/2022 09:50	3.5	96	25	5.6	0.00
24/08/2022 10:00	3.8	85	20	6.3	0.00
24/08/2022 10:10	3.3	85	22	6.2	0.00
24/08/2022 10:20	3.8	85	22	6.0	0.00
24/08/2022 10:30	3.7	81	23	6.2	0.00
24/08/2022 10:40	3.8	80	23	6.5	0.00
24/08/2022 10:50	4.2	77	20	6.7	0.00
24/08/2022 11:00	4.1	83	25	6.6	0.00
24/08/2022 11:10	4.5	83	19	6.9	0.00
24/08/2022 11:20	4.4	80	22	7.2	0.00
24/08/2022 11:30	4.0	91	27	6.5	0.00
24/08/2022 11:40	4.4	80	20	6.8	0.00
24/08/2022 11:50	4.2	81	22	6.4	0.00
24/08/2022 12:00	4.6	78	19	6.9	0.00



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/08/2022 12:10	4.4	83	24	6.1	0.00
24/08/2022 12:20	4.5	82	22	7.2	0.00
24/08/2022 12:30	4.7	82	17	7.1	0.00
24/08/2022 12:40	4.5	79	19	6.9	0.00
24/08/2022 12:50	4.2	88	22	7.1	0.00
24/08/2022 13:00	4.1	87	21	6.4	0.00
24/08/2022 13:10	3.7	83	23	5.6	0.00
24/08/2022 13:20	3.7	82	21	5.5	0.00
24/08/2022 13:30	2.6	79	19	5.5	0.00
24/08/2022 13:40					0.00
24/08/2022 13:50					0.00
24/08/2022 14:00					0.00
24/08/2022 14:10					0.00
24/08/2022 14:20					0.00
24/08/2022 14:30					0.00
24/08/2022 14:40					0.00
24/08/2022 14:50					0.00
24/08/2022 15:00					0.00
24/08/2022 15:10					0.00
24/08/2022 15:20					0.00
24/08/2022 15:30					0.00
24/08/2022 15:40					0.00
24/08/2022 15:50					0.00
24/08/2022 16:00					0.00
24/08/2022 16:10					0.00
24/08/2022 16:20					0.00
24/08/2022 16:30					0.00
24/08/2022 16:40					0.00
24/08/2022 16:50					0.00
24/08/2022 17:00					0.00
24/08/2022 17:10	1.3	53	13	3.4	0.00
24/08/2022 17:20	2.1	45	19	3.2	0.00
24/08/2022 17:30	2.0	43	19	3.2	0.00
24/08/2022 17:40	2.1	38	19	3.2	0.00
24/08/2022 17:50	1.8	38	19	2.5	0.00
24/08/2022 18:00	1.9	33	18	2.7	0.00
24/08/2022 18:10	1.7	29	18	2.4	0.00
24/08/2022 18:20	1.8	25	17	2.6	0.00
24/08/2022 18:30	1.7	22	16	2.5	0.00
24/08/2022 18:40	1.5	21	18	2.1	0.00
24/08/2022 18:50	1.6	23	20	2.3	0.00
24/08/2022 19:00	1.8	20	17	2.6	0.00
24/08/2022 19:10	1.7	19	15	2.5	0.00
24/08/2022 19:20	1.7	20	15	2.4	0.00
24/08/2022 19:30	1.7	12	18	2.3	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/08/2022 19:40	1.5	10	17	2.1	0.00
24/08/2022 19:50	1.3	10	19	1.9	0.00
24/08/2022 20:00	0.7	119	41	1.2	0.00
24/08/2022 20:10	0.4	203	9	0.8	0.00
24/08/2022 20:20	0.0	199	0	0.4	0.00
24/08/2022 20:30	0.1	294	2	0.5	0.00
24/08/2022 20:40	0.5	347	12	0.9	0.00
24/08/2022 20:50	0.7	358	14	0.9	0.00
24/08/2022 21:00	0.6	183	11	0.9	0.00
24/08/2022 21:10	0.8	182	11	1.2	0.00
24/08/2022 21:20	0.7	358	11	1.1	0.00
24/08/2022 21:30	1.0	349	7	1.3	0.00
24/08/2022 21:40	0.9	180	14	1.2	0.00
24/08/2022 21:50	0.9	355	11	1.2	0.00
24/08/2022 22:00	0.9	181	15	1.2	0.00
24/08/2022 22:10	0.8	352	14	1.1	0.00
24/08/2022 22:20	1.0	349	9	1.3	0.00
24/08/2022 22:30	1.0	346	9	1.2	0.00
24/08/2022 22:40	0.9	351	14	1.4	0.00
24/08/2022 22:50	0.9	351	15	1.3	0.00
24/08/2022 23:00	0.9	352	17	1.2	0.00
24/08/2022 23:10	0.9	359	14	1.1	0.00
24/08/2022 23:20	0.8	179	16	1.2	0.00
24/08/2022 23:30	0.8	6	17	1.1	0.00
24/08/2022 23:40	0.8	182	12	1.0	0.00
24/08/2022 23:50	0.8	357	13	1.2	0.00
25/08/2022 00:00	0.9	7	16	1.1	0.00
25/08/2022 00:10	0.8	9	15	1.1	0.00
25/08/2022 00:20	0.9	7	15	1.2	0.00
25/08/2022 00:30	0.9	180	16	1.2	0.00
25/08/2022 00:40	0.9	182	14	1.2	0.00
25/08/2022 00:50	1.0	352	12	1.3	0.00
25/08/2022 01:00	1.1	177	15	1.3	0.00
25/08/2022 01:10	1.2	9	12	1.6	0.00
25/08/2022 01:20	1.0	10	15	1.3	0.00
25/08/2022 01:30	0.5	23	28	0.9	0.00
25/08/2022 01:40	0.6	20	19	0.8	0.00
25/08/2022 01:50	0.6	13	22	0.9	0.00
25/08/2022 02:00	0.4	35	29	0.9	0.00
25/08/2022 02:10	0.4	85	23	1.2	0.00
25/08/2022 02:20	0.3	88	40	1.1	0.00
25/08/2022 02:30	0.3	63	34	0.7	0.00
25/08/2022 02:40	1.0	90	40	2.4	0.00
25/08/2022 02:50	0.6	53	33	1.1	0.00
25/08/2022 03:00	0.4	50	25	0.8	0.00



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/08/2022 03:10	0.4	16	44	0.8	0.00
25/08/2022 03:20	0.1	38	3	0.4	0.00
25/08/2022 03:30	0.1	22	12	0.6	0.00
25/08/2022 03:40	0.1	61	11	0.5	0.00
25/08/2022 03:50	0.2	4	22	0.5	0.00
25/08/2022 04:00	0.3	22	23	0.8	0.00
25/08/2022 04:10	0.3	40	21	0.6	0.00
25/08/2022 04:20	0.3	28	32	0.8	0.00
25/08/2022 04:30	0.7	69	46	1.6	0.00
25/08/2022 04:40	0.8	93	14	2.3	0.00
25/08/2022 04:50	0.9	92	26	2.0	0.00
25/08/2022 05:00	1.3	82	20	2.0	0.00
25/08/2022 05:10	1.1	85	21	1.8	0.00
25/08/2022 05:20	1.3	91	27	2.3	0.00
25/08/2022 05:30	1.3	90	24	2.1	0.00
25/08/2022 05:40	0.9	94	27	1.5	0.00
25/08/2022 05:50	1.3	101	34	2.3	0.00
25/08/2022 06:00	1.2	92	27	2.2	0.00
25/08/2022 06:10	1.6	99	27	2.7	0.00
25/08/2022 06:20	1.1	93	22	1.6	0.00
25/08/2022 06:30	1.2	92	24	2.0	0.00
25/08/2022 06:40	1.6	90	19	2.8	0.00
25/08/2022 06:50	1.2	94	24	2.8	0.00
25/08/2022 07:00					0.00
25/08/2022 07:10					0.00
25/08/2022 07:20					0.00
25/08/2022 07:30					0.00
25/08/2022 07:40					0.00
25/08/2022 07:50					0.00
25/08/2022 08:00					0.00
25/08/2022 08:10					0.00
25/08/2022 08:20					0.00
25/08/2022 08:30					0.00
25/08/2022 08:40					0.00
25/08/2022 08:50					0.00
25/08/2022 09:00					0.00
25/08/2022 09:10					0.00
25/08/2022 09:20					0.00
25/08/2022 09:30					0.00
25/08/2022 09:40					0.00
25/08/2022 09:50					0.00
25/08/2022 10:00					0.00
25/08/2022 10:10					0.00
25/08/2022 10:20					0.00
25/08/2022 10:30					0.00



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/08/2022 10:40					0.00
25/08/2022 10:50					0.00
25/08/2022 11:00					0.00
25/08/2022 11:10					0.00
25/08/2022 11:20					0.00
25/08/2022 11:30					0.00
25/08/2022 11:40					0.00
25/08/2022 11:50					0.00
25/08/2022 12:00					0.00
25/08/2022 12:10					0.00
25/08/2022 12:20					0.00
25/08/2022 12:30					0.00
25/08/2022 12:40					0.00
25/08/2022 12:50					0.00
25/08/2022 13:00					0.00
25/08/2022 13:10					0.00
25/08/2022 13:20					0.00
25/08/2022 13:30					0.00
25/08/2022 13:40					0.00
25/08/2022 13:50					0.00
25/08/2022 14:00					0.00
25/08/2022 14:10					0.00
25/08/2022 14:20					0.00
25/08/2022 14:30					0.00
25/08/2022 14:40					0.00
25/08/2022 14:50					0.00
25/08/2022 15:00					0.00
25/08/2022 15:10					0.00
25/08/2022 15:20					0.00
25/08/2022 15:30					0.00
25/08/2022 15:40					0.00
25/08/2022 15:50					0.00
25/08/2022 16:00					0.00
25/08/2022 16:10					0.00
25/08/2022 16:20					0.00
25/08/2022 16:30					0.00
25/08/2022 16:40					0.00
25/08/2022 16:50					0.00
25/08/2022 17:00					0.00
25/08/2022 17:10					0.00
25/08/2022 17:20					0.00
25/08/2022 17:30					0.00
25/08/2022 17:40					0.00
25/08/2022 17:50					0.00
25/08/2022 18:00					0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/08/2022 18:10	0.0	39	1	0.4	0.00
25/08/2022 18:20	0.1	46	4	2.0	0.00
25/08/2022 18:30	0.0	86	0	0.4	0.00
25/08/2022 18:40					0.00
25/08/2022 18:50					0.00
25/08/2022 19:00	0.0	16	0	0.4	0.00
25/08/2022 19:10					0.00
25/08/2022 19:20					0.00
25/08/2022 19:30	0.0	26	4	0.4	0.00
25/08/2022 19:40	0.1	44	6	1.2	0.00
25/08/2022 19:50	0.5	47	9	1.3	0.00
25/08/2022 20:00	0.9	40	12	1.3	0.00
25/08/2022 20:10	0.7	41	13	1.2	0.00
25/08/2022 20:20	0.5	34	15	0.8	0.00
25/08/2022 20:30	0.4	43	11	0.8	0.00
25/08/2022 20:40	0.6	69	12	1.1	0.00
25/08/2022 20:50	0.3	234	11	0.8	0.00
25/08/2022 21:00	0.3	35	4	0.6	0.00
25/08/2022 21:10	0.7	38	5	0.9	0.00
25/08/2022 21:20	0.5	37	7	0.8	0.00
25/08/2022 21:30	0.7	28	8	0.8	0.00
25/08/2022 21:40	0.5	23	7	0.7	0.00
25/08/2022 21:50	0.2	167	8	0.6	0.00
25/08/2022 22:00	0.4	344	11	0.8	0.00
25/08/2022 22:10	0.3	349	10	0.6	0.00
25/08/2022 22:20	0.6	342	9	0.8	0.00
25/08/2022 22:30	0.4	318	20	0.7	0.00
25/08/2022 22:40	0.8	311	21	1.2	0.00
25/08/2022 22:50	0.5	183	36	1.1	0.00
25/08/2022 23:00	0.2	340	19	0.7	0.00
25/08/2022 23:10	0.8	279	19	1.1	0.00
25/08/2022 23:20	0.6	316	32	1.1	0.00
25/08/2022 23:30	1.0	255	11	1.4	0.00
25/08/2022 23:40	1.1	260	15	1.5	0.00
25/08/2022 23:50	0.8	137	15	1.0	0.00
26/08/2022 00:00	0.5	356	10	0.8	0.00
26/08/2022 00:10	0.6	338	11	1.1	0.00
26/08/2022 00:20	0.4	6	12	0.7	0.00
26/08/2022 00:30	0.5	16	32	0.8	0.00
26/08/2022 00:40	0.7	230	13	1.2	0.00
26/08/2022 00:50	0.2	169	10	0.6	0.00
26/08/2022 01:00	0.6	282	15	0.9	0.00
26/08/2022 01:10	1.0	253	19	1.4	0.00
26/08/2022 01:20	0.3	171	23	0.9	0.00
26/08/2022 01:30	0.2	290	17	0.8	0.00





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/08/2022 01:40	0.4	172	23	0.8	0.00
26/08/2022 01:50	0.7	258	37	1.3	0.00
26/08/2022 02:00	0.6	334	21	1.2	0.00
26/08/2022 02:10	1.5	254	12	1.9	0.00
26/08/2022 02:20	1.1	239	28	1.6	0.00
26/08/2022 02:30	0.8	224	28	1.4	0.00
26/08/2022 02:40	0.9	172	13	1.6	0.00
26/08/2022 02:50	0.5	267	23	1.1	0.00
26/08/2022 03:00	1.6	245	10	2.0	0.00
26/08/2022 03:10	1.5	255	12	1.8	0.00
26/08/2022 03:20	1.3	233	25	1.9	0.00
26/08/2022 03:30	1.2	273	16	1.7	0.00
26/08/2022 03:40	1.1	265	29	1.8	0.00
26/08/2022 03:50	1.3	234	25	2.2	0.00
26/08/2022 04:00	1.2	220	30	2.0	0.00
26/08/2022 04:10	0.6	309	30	1.1	0.00
26/08/2022 04:20	0.7	273	44	1.2	0.00
26/08/2022 04:30	0.5	141	25	1.0	0.00
26/08/2022 04:40	1.1	345	13	1.6	0.00
26/08/2022 04:50	0.8	286	32	1.5	0.00
26/08/2022 05:00	0.6	105	83	1.3	0.00
26/08/2022 05:10	0.7	134	45	1.5	0.00
26/08/2022 05:20	0.5	163	48	1.1	0.00
26/08/2022 05:30	0.8	28	26	1.2	0.00
26/08/2022 05:40	1.1	56	24	1.6	0.00
26/08/2022 05:50	0.6	80	24	1.0	0.00
26/08/2022 06:00	0.8	45	15	1.1	0.00
26/08/2022 06:10	0.8	41	19	1.1	0.00
26/08/2022 06:20	0.4	41	26	0.8	0.00
26/08/2022 06:30	0.5	186	49	1.1	0.00
26/08/2022 06:40	0.8	20	21	1.1	0.00
26/08/2022 06:50	0.6	32	21	0.9	0.00
26/08/2022 07:00	0.5	25	19	0.8	0.00
26/08/2022 07:10	0.4	188	24	0.7	0.00
26/08/2022 07:20	0.1	7	18	0.4	0.00
26/08/2022 07:30					0.00
26/08/2022 07:40					0.00
26/08/2022 07:50					0.00
26/08/2022 08:00					0.00
26/08/2022 08:10					0.00
26/08/2022 08:20					0.00
26/08/2022 08:30					0.00
26/08/2022 08:40					0.00
26/08/2022 08:50					0.00
26/08/2022 09:00					0.00



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/08/2022 09:10					0.00
26/08/2022 09:20					0.00
26/08/2022 09:30					0.00
26/08/2022 09:40					0.00
26/08/2022 09:50					0.00
26/08/2022 10:00					0.00
26/08/2022 10:10					0.00
26/08/2022 10:20					0.00
26/08/2022 10:30					0.00
26/08/2022 10:40					0.00
26/08/2022 10:50					0.00
26/08/2022 11:00					0.00
26/08/2022 11:10					0.00
26/08/2022 11:20					0.00
26/08/2022 11:30					0.00
26/08/2022 11:40					0.00
26/08/2022 11:50					0.00
26/08/2022 12:00					0.00
26/08/2022 12:10					0.00
26/08/2022 12:20					0.00
26/08/2022 12:30					0.00
26/08/2022 12:40					0.00
26/08/2022 12:50					0.00
26/08/2022 13:00					0.00
26/08/2022 13:10					0.00
26/08/2022 13:20					0.00
26/08/2022 13:30					0.00
26/08/2022 13:40					0.00
26/08/2022 13:50					0.00
26/08/2022 14:00					0.00
26/08/2022 14:10					0.00
26/08/2022 14:20					0.00
26/08/2022 14:30					0.00
26/08/2022 14:40					0.00
26/08/2022 14:50					0.00
26/08/2022 15:00					0.00
26/08/2022 15:10					0.00
26/08/2022 15:20					0.00
26/08/2022 15:30					0.00
26/08/2022 15:40					0.00
26/08/2022 15:50					0.00
26/08/2022 16:00					0.00
26/08/2022 16:10					0.00
26/08/2022 16:20					0.00
26/08/2022 16:30					0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/08/2022 16:40					0.00
26/08/2022 16:50					0.00
26/08/2022 17:00					0.00
26/08/2022 17:10					0.00
26/08/2022 17:20					0.00
26/08/2022 17:30					0.00
26/08/2022 17:40					0.00
26/08/2022 17:50					0.00
26/08/2022 18:00					0.00
26/08/2022 18:10	1.0	12	15	2.8	0.00
26/08/2022 18:20	2.0	345	25	2.9	0.00
26/08/2022 18:30	2.4	339	20	3.2	0.00
26/08/2022 18:40	2.4	339	17	3.6	0.00
26/08/2022 18:50	2.5	337	16	3.6	0.00
26/08/2022 19:00	2.1	338	19	3.1	0.00
26/08/2022 19:10	1.8	340	27	2.8	0.00
26/08/2022 19:20	2.1	340	17	3.2	0.00
26/08/2022 19:30	2.1	340	22	3.3	0.00
26/08/2022 19:40	2.0	336	24	2.9	0.00
26/08/2022 19:50	1.9	333	26	2.8	0.00
26/08/2022 20:00	1.4	330	38	2.4	0.00
26/08/2022 20:10	1.0	31	51	2.0	0.00
26/08/2022 20:20	0.6	106	64	1.3	0.00
26/08/2022 20:30	0.5	135	60	0.9	0.00
26/08/2022 20:40	0.3	171	61	0.8	0.00
26/08/2022 20:50	1.3	246	21	2.0	0.00
26/08/2022 21:00	1.0	249	21	1.4	0.00
26/08/2022 21:10	0.8	249	17	1.4	0.00
26/08/2022 21:20	0.9	256	21	1.3	0.00
26/08/2022 21:30	1.9	247	12	2.5	0.00
26/08/2022 21:40	1.6	255	11	2.2	0.00
26/08/2022 21:50	1.3	249	12	1.9	0.00
26/08/2022 22:00	1.3	248	12	1.6	0.00
26/08/2022 22:10	1.2	243	12	1.6	0.00
26/08/2022 22:20	1.1	259	20	1.9	0.00
26/08/2022 22:30	1.6	246	11	2.1	0.00
26/08/2022 22:40	1.5	249	9	2.0	0.00
26/08/2022 22:50	1.5	244	10	2.0	0.00
26/08/2022 23:00	1.6	236	9	1.9	0.00
26/08/2022 23:10	1.3	250	8	1.6	0.00
26/08/2022 23:20	1.3	265	14	1.7	0.00
26/08/2022 23:30	1.2	297	16	1.6	0.00
26/08/2022 23:40	1.1	281	16	1.6	0.00
26/08/2022 23:50	1.2	273	19	1.9	0.00
27/08/2022 00:00	1.3	277	17	2.0	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/08/2022 00:10	1.7	267	14	2.3	0.00
27/08/2022 00:20	1.4	269	17	1.9	0.00
27/08/2022 00:30	1.3	277	19	1.7	0.00
27/08/2022 00:40	1.2	304	17	1.6	0.00
27/08/2022 00:50	1.2	298	12	1.5	0.00
27/08/2022 01:00	0.9	295	20	1.2	0.00
27/08/2022 01:10	0.9	293	19	1.6	0.00
27/08/2022 01:20	0.9	298	22	1.3	0.00
27/08/2022 01:30	0.2	70	27	0.7	0.00
27/08/2022 01:40	0.7	258	5	1.3	0.00
27/08/2022 01:50	1.4	267	12	2.0	0.00
27/08/2022 02:00	1.5	267	17	2.1	0.00
27/08/2022 02:10	1.9	270	15	2.7	0.00
27/08/2022 02:20	2.1	260	14	3.0	0.00
27/08/2022 02:30	2.0	270	15	2.8	0.00
27/08/2022 02:40	2.1	271	15	3.0	0.00
27/08/2022 02:50	1.9	266	16	2.5	0.00
27/08/2022 03:00	2.0	270	15	2.6	0.00
27/08/2022 03:10	1.9	271	17	2.7	0.00
27/08/2022 03:20	1.9	282	17	2.8	0.00
27/08/2022 03:30	1.8	271	16	2.5	0.00
27/08/2022 03:40	1.9	271	13	2.5	0.00
27/08/2022 03:50	1.8	272	15	2.2	0.00
27/08/2022 04:00	1.7	283	18	2.1	0.00
27/08/2022 04:10	1.5	274	16	2.0	0.00
27/08/2022 04:20	1.7	264	15	2.4	0.00
27/08/2022 04:30	1.4	258	15	2.0	0.00
27/08/2022 04:40	0.8	263	24	1.3	0.00
27/08/2022 04:50	0.2	14	13	0.7	0.00
27/08/2022 05:00	0.6	2	21	1.1	0.00
27/08/2022 05:10	0.6	5	23	1.2	0.00
27/08/2022 05:20	0.7	13	19	1.2	0.00
27/08/2022 05:30	0.8	9	15	1.2	0.00
27/08/2022 05:40	0.9	355	17	1.2	0.00
27/08/2022 05:50	0.9	343	14	1.2	0.00
27/08/2022 06:00	1.2	350	12	1.5	0.00
27/08/2022 06:10	1.3	344	12	1.6	0.00
27/08/2022 06:20	0.9	351	16	1.2	0.00
27/08/2022 06:30	0.9	3	19	1.3	0.00
27/08/2022 06:40	1.0	182	15	1.4	0.00
27/08/2022 06:50	0.8	7	17	1.0	0.00
27/08/2022 07:00	0.4	357	8	0.9	0.00
27/08/2022 07:10					0.00
27/08/2022 07:20					0.00
27/08/2022 07:30					0.00



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/08/2022 07:40					0.00
27/08/2022 07:50					0.00
27/08/2022 08:00					0.00
27/08/2022 08:10					0.00
27/08/2022 08:20					0.00
27/08/2022 08:30					0.00
27/08/2022 08:40					0.00
27/08/2022 08:50					0.00
27/08/2022 09:00					0.00
27/08/2022 09:10					0.00
27/08/2022 09:20					0.00
27/08/2022 09:30					0.00
27/08/2022 09:40					0.00
27/08/2022 09:50					0.00
27/08/2022 10:00					0.00
27/08/2022 10:10					0.00
27/08/2022 10:20					0.00
27/08/2022 10:30					0.00
27/08/2022 10:40					0.00
27/08/2022 10:50	0.8	122	30	2.0	0.00
27/08/2022 11:00	1.3	112	37	2.0	0.00
27/08/2022 11:10	1.3	66	44	2.1	0.00
27/08/2022 11:20	1.6	63	29	2.7	0.00
27/08/2022 11:30	1.5	67	31	2.4	0.00
27/08/2022 11:40	0.6	83	21	2.4	0.00
27/08/2022 11:50					0.00
27/08/2022 12:00	0.6	68	43	1.8	0.00
27/08/2022 12:10	1.7	259	61	3.2	0.00
27/08/2022 12:20	0.6	330	18	2.0	0.00
27/08/2022 12:30					0.00
27/08/2022 12:40					0.00
27/08/2022 12:50					0.00
27/08/2022 13:00					0.00
27/08/2022 13:10					0.00
27/08/2022 13:20					0.00
27/08/2022 13:30					0.00
27/08/2022 13:40					0.00
27/08/2022 13:50					0.00
27/08/2022 14:00					0.00
27/08/2022 14:10					0.00
27/08/2022 14:20					0.00
27/08/2022 14:30					0.00
27/08/2022 14:40					0.00
27/08/2022 14:50					0.00
27/08/2022 15:00					0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/08/2022 15:10					0.00
27/08/2022 15:20	2.9	338	28	5.2	0.00
27/08/2022 15:30	3.3	330	24	5.7	0.00
27/08/2022 15:40	2.9	325	30	5.2	0.00
27/08/2022 15:50	3.2	329	31	5.3	0.00
27/08/2022 16:00	2.7	319	28	4.6	0.00
27/08/2022 16:10	3.2	334	29	5.6	0.00
27/08/2022 16:20	3.1	332	26	5.0	0.00
27/08/2022 16:30	2.9	318	32	5.1	0.00
27/08/2022 16:40	3.2	317	26	5.2	0.00
27/08/2022 16:50	2.6	328	31	4.5	0.00
27/08/2022 17:00	2.5	325	32	4.2	0.00
27/08/2022 17:10	3.2	320	19	4.9	0.00
27/08/2022 17:20	2.9	313	30	4.9	0.00
27/08/2022 17:30	3.1	323	22	4.6	0.00
27/08/2022 17:40	2.6	325	31	4.4	0.00
27/08/2022 17:50	2.1	312	38	4.0	0.00
27/08/2022 18:00	2.2	308	41	4.4	0.00
27/08/2022 18:10	2.0	295	48	3.8	0.00
27/08/2022 18:20	2.1	281	42	4.2	0.00
27/08/2022 18:30	2.0	264	34	3.2	0.00
27/08/2022 18:40	1.7	266	36	2.9	0.00
27/08/2022 18:50	1.8	268	27	3.4	0.00
27/08/2022 19:00	1.8	276	41	3.4	0.00
27/08/2022 19:10	2.1	256	27	3.7	0.00
27/08/2022 19:20	2.2	263	27	3.9	0.00
27/08/2022 19:30	2.6	252	21	3.9	0.00
27/08/2022 19:40	2.3	258	24	3.4	0.00
27/08/2022 19:50	2.1	260	29	3.4	0.00
27/08/2022 20:00	1.7	305	42	2.8	0.00
27/08/2022 20:10	1.9	315	36	3.5	0.00
27/08/2022 20:20	1.5	274	43	3.0	0.00
27/08/2022 20:30	1.4	266	30	2.6	0.00
27/08/2022 20:40	1.6	259	19	2.4	0.00
27/08/2022 20:50	1.5	268	27	2.3	0.00
27/08/2022 21:00	1.4	261	18	2.4	0.00
27/08/2022 21:10	1.3	267	31	2.2	0.00
27/08/2022 21:20	1.6	258	21	2.5	0.00
27/08/2022 21:30	1.6	260	18	2.5	0.00
27/08/2022 21:40	1.4	272	43	2.4	0.00
27/08/2022 21:50	1.4	264	40	2.5	0.00
27/08/2022 22:00	1.3	273	54	2.8	0.00
27/08/2022 22:10	1.4	277	45	2.8	0.00
27/08/2022 22:20	1.5	268	41	2.8	0.00
27/08/2022 22:30	1.8	252	25	2.8	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/08/2022 22:40	1.7	253	25	2.7	0.00
27/08/2022 22:50	2.2	255	17	3.2	0.00
27/08/2022 23:00	2.1	251	15	3.3	0.00
27/08/2022 23:10	2.1	267	15	3.2	0.00
27/08/2022 23:20	2.9	264	19	4.0	0.00
27/08/2022 23:30	3.0	262	17	4.4	0.00
27/08/2022 23:40	2.5	265	16	3.6	0.00
27/08/2022 23:50	2.6	265	17	3.4	0.00
28/08/2022 00:00	2.7	259	14	4.1	0.00
28/08/2022 00:10	2.4	264	14	3.8	0.00
28/08/2022 00:20	2.0	262	14	2.9	0.00
28/08/2022 00:30	1.7	264	15	2.8	0.00
28/08/2022 00:40	2.0	265	14	2.6	0.00
28/08/2022 00:50	1.9	262	13	2.8	0.00
28/08/2022 01:00	2.1	263	15	3.0	0.00
28/08/2022 01:10	2.6	266	14	3.4	0.00
28/08/2022 01:20	2.2	273	20	3.5	0.00
28/08/2022 01:30	2.3	271	18	3.5	0.00
28/08/2022 01:40	2.3	271	16	3.4	0.00
28/08/2022 01:50	2.4	273	16	3.5	0.00
28/08/2022 02:00	2.7	269	16	4.1	0.00
28/08/2022 02:10	2.8	268	16	3.9	0.00
28/08/2022 02:20	2.8	267	13	4.0	0.00
28/08/2022 02:30	2.7	263	13	3.6	0.00
28/08/2022 02:40	2.8	266	16	3.9	0.00
28/08/2022 02:50	3.1	267	15	4.4	0.00
28/08/2022 03:00	2.8	263	15	4.0	0.00
28/08/2022 03:10	3.0	263	13	4.1	0.00
28/08/2022 03:20	2.6	266	14	3.7	0.00
28/08/2022 03:30	2.2	270	19	3.3	0.00
28/08/2022 03:40	2.1	270	16	3.3	0.00
28/08/2022 03:50	2.2	261	18	3.2	0.00
28/08/2022 04:00	2.7	265	14	3.6	0.00
28/08/2022 04:10	2.8	262	15	4.0	0.00
28/08/2022 04:20	3.3	258	15	5.0	0.00
28/08/2022 04:30	3.1	266	16	4.4	0.00
28/08/2022 04:40	3.1	263	20	4.7	0.00
28/08/2022 04:50	2.3	258	21	3.7	0.00
28/08/2022 05:00	1.7	257	20	2.9	0.00
28/08/2022 05:10	1.5	262	33	2.4	0.00
28/08/2022 05:20	2.1	270	30	3.1	0.00
28/08/2022 05:30	2.0	254	28	4.2	0.00
28/08/2022 05:40	1.4	230	38	2.7	0.00
28/08/2022 05:50	1.9	236	36	3.4	0.00
28/08/2022 06:00	2.5	202	26	4.0	0.00



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/08/2022 06:10	2.9	199	16	4.3	0.00
28/08/2022 06:20	3.1	199	20	4.8	0.00
28/08/2022 06:30	3.0	198	17	4.7	0.00
28/08/2022 06:40	3.0	192	18	5.0	0.00
28/08/2022 06:50	2.8	185	20	4.9	0.00
28/08/2022 07:00	3.4	191	16	5.7	0.00
28/08/2022 07:10	3.2	186	18	5.8	0.00
28/08/2022 07:20	3.5	183	18	5.8	0.00
28/08/2022 07:30	4.0	182	15	6.0	0.00
28/08/2022 07:40	3.0	174	23	5.3	0.00
28/08/2022 07:50	2.4	170	33	3.9	0.00
28/08/2022 08:00	2.0	157	28	3.2	0.00
28/08/2022 08:10	0.9	151	16	2.6	0.00
28/08/2022 08:20					0.00
28/08/2022 08:30					0.00
28/08/2022 08:40					0.00
28/08/2022 08:50					0.00
28/08/2022 09:00					0.00
28/08/2022 09:10					0.00
28/08/2022 09:20					0.00
28/08/2022 09:30					0.00
28/08/2022 09:40	1.2	121	18	3.2	0.00
28/08/2022 09:50	1.8	122	33	3.1	0.00
28/08/2022 10:00	0.5	130	14	3.3	0.00
28/08/2022 10:10	0.1	123	7	2.0	0.00
28/08/2022 10:20					0.00
28/08/2022 10:30					0.00
28/08/2022 10:40	1.5	121	25	3.5	0.00
28/08/2022 10:50	2.1	128	35	3.6	0.00
28/08/2022 11:00	1.5	109	30	2.7	0.00
28/08/2022 11:10	1.1	120	22	3.2	0.00
28/08/2022 11:20	1.9	109	30	3.3	0.00
28/08/2022 11:30	1.9	93	27	3.9	0.00
28/08/2022 11:40	2.0	88	26	3.2	0.00
28/08/2022 11:50	2.1	70	27	3.7	0.00
28/08/2022 12:00	2.4	60	23	3.8	0.00
28/08/2022 12:10	2.3	50	22	3.8	0.00
28/08/2022 12:20	2.2	60	19	3.3	0.00
28/08/2022 12:30	2.1	50	24	3.2	0.00
28/08/2022 12:40	2.0	50	24	3.8	0.00
28/08/2022 12:50	2.2	59	23	3.4	0.00
28/08/2022 13:00	2.4	54	22	4.0	0.00
28/08/2022 13:10	2.2	59	23	3.7	0.00
28/08/2022 13:20	2.3	54	22	3.5	0.00
28/08/2022 13:30	2.2	53	27	3.6	0.00





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/08/2022 13:40	2.0	60	23	2.9	0.00
28/08/2022 13:50	1.8	69	21	2.8	0.00
28/08/2022 14:00					0.00
28/08/2022 14:10					0.00
28/08/2022 14:20					0.00
28/08/2022 14:30					0.00
28/08/2022 14:40					0.00
28/08/2022 14:50					0.00
28/08/2022 15:00					0.00
28/08/2022 15:10					0.00
28/08/2022 15:20					0.00
28/08/2022 15:30					0.00
28/08/2022 15:40					0.00
28/08/2022 15:50					0.00
28/08/2022 16:00					0.00
28/08/2022 16:10					0.00
28/08/2022 16:20	0.2	282	8	3.2	0.00
28/08/2022 16:30					0.00
28/08/2022 16:40					0.00
28/08/2022 16:50	0.2	317	12	3.2	0.00
28/08/2022 17:00					0.00
28/08/2022 17:10	1.4	267	25	3.8	0.00
28/08/2022 17:20	1.9	300	39	3.4	0.00
28/08/2022 17:30	1.9	296	37	3.6	0.00
28/08/2022 17:40	1.9	287	39	3.2	0.00
28/08/2022 17:50	2.1	300	40	3.7	0.00
28/08/2022 18:00	1.7	293	37	3.5	0.00
28/08/2022 18:10	1.7	280	35	2.8	0.00
28/08/2022 18:20	2.0	311	37	3.8	0.00
28/08/2022 18:30	1.5	294	51	3.2	0.00
28/08/2022 18:40	1.9	307	35	3.2	0.00
28/08/2022 18:50	1.7	300	37	3.2	0.00
28/08/2022 19:00	2.0	307	39	3.7	0.00
28/08/2022 19:10	1.7	306	42	3.3	0.00
28/08/2022 19:20	1.9	312	38	3.4	0.00
28/08/2022 19:30	1.7	315	28	2.9	0.00
28/08/2022 19:40	1.7	313	32	2.6	0.00
28/08/2022 19:50	1.8	316	29	3.4	0.00
28/08/2022 20:00	1.3	280	42	2.0	0.00
28/08/2022 20:10	1.6	253	22	2.4	0.00
28/08/2022 20:20	2.0	254	17	2.9	0.00
28/08/2022 20:30	1.9	265	19	2.8	0.00
28/08/2022 20:40	2.1	261	18	3.0	0.00
28/08/2022 20:50	1.8	261	18	2.6	0.00
28/08/2022 21:00	1.2	269	39	2.0	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/08/2022 21:10	1.7	259	23	2.5	0.00
28/08/2022 21:20	1.9	255	13	2.6	0.00
28/08/2022 21:30	1.7	260	15	2.2	0.00
28/08/2022 21:40	1.8	261	17	2.4	0.00
28/08/2022 21:50	1.9	260	17	2.7	0.00
28/08/2022 22:00	1.8	272	18	2.8	0.00
28/08/2022 22:10	1.8	271	18	2.4	0.00
28/08/2022 22:20	1.8	269	20	2.6	0.00
28/08/2022 22:30	1.6	278	18	2.5	0.00
28/08/2022 22:40	1.5	302	22	2.5	0.00
28/08/2022 22:50	1.4	297	25	1.9	0.00
28/08/2022 23:00	1.4	271	20	2.0	0.00
28/08/2022 23:10	2.0	258	14	2.7	0.00
28/08/2022 23:20	1.9	267	18	2.8	0.00
28/08/2022 23:30	1.5	274	26	2.2	0.00
28/08/2022 23:40	1.5	278	25	2.2	0.00
28/08/2022 23:50	0.8	243	33	1.3	0.00
29/08/2022 00:00	0.6	303	26	1.1	0.00
29/08/2022 00:10	0.7	285	22	1.2	0.00
29/08/2022 00:20	1.2	304	49	1.6	0.00
29/08/2022 00:30	0.7	142	40	1.5	0.00
29/08/2022 00:40	0.8	106	52	1.6	0.00
29/08/2022 00:50	0.6	263	75	1.3	0.00
29/08/2022 01:00	1.1	180	33	2.1	0.00
29/08/2022 01:10	1.4	164	37	3.1	0.00
29/08/2022 01:20	0.8	188	68	1.7	0.00
29/08/2022 01:30	1.9	211	27	3.2	0.00
29/08/2022 01:40	1.1	247	44	2.0	0.00
29/08/2022 01:50	0.7	184	55	1.3	0.00
29/08/2022 02:00	1.1	153	40	2.5	0.00
29/08/2022 02:10	0.9	168	39	1.7	0.00
29/08/2022 02:20	0.5	74	29	1.2	0.00
29/08/2022 02:30	0.4	159	46	0.8	0.00
29/08/2022 02:40	0.6	170	45	1.0	0.00
29/08/2022 02:50	0.4	59	21	0.9	0.00
29/08/2022 03:00	0.4	151	43	0.8	0.00
29/08/2022 03:10	0.6	158	33	1.3	0.00
29/08/2022 03:20	1.1	47	23	1.9	0.00
29/08/2022 03:30	0.4	238	57	0.9	0.00
29/08/2022 03:40	0.8	45	23	1.2	0.00
29/08/2022 03:50	0.5	54	21	0.8	0.00
29/08/2022 04:00	0.8	48	17	1.2	0.00
29/08/2022 04:10	0.5	51	32	1.0	0.00
29/08/2022 04:20	0.7	43	18	1.2	0.00
29/08/2022 04:30	1.0	50	17	1.7	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/08/2022 04:40	0.8	41	18	1.3	0.00
29/08/2022 04:50	0.6	68	22	1.2	0.00
29/08/2022 05:00	0.9	33	23	1.3	0.00
29/08/2022 05:10	1.1	58	21	1.6	0.00
29/08/2022 05:20	0.7	46	29	1.1	0.00
29/08/2022 05:30	0.9	57	18	1.5	0.00
29/08/2022 05:40	0.6	53	20	1.2	0.00
29/08/2022 05:50	0.5	43	28	0.8	0.00
29/08/2022 06:00	0.7	49	24	1.3	0.00
29/08/2022 06:10	0.9	50	30	1.6	0.00
29/08/2022 06:20	1.1	60	28	1.8	0.00
29/08/2022 06:30	1.5	80	23	2.7	0.00
29/08/2022 06:40	1.6	84	24	2.4	0.00
29/08/2022 06:50	0.3	101	10	2.5	0.00
29/08/2022 07:00					0.00
29/08/2022 07:10					0.00
29/08/2022 07:20					0.00
29/08/2022 07:30	0.0	86	0	0.4	0.00
29/08/2022 07:40	0.0	82	1	0.8	0.00
29/08/2022 07:50					0.00
29/08/2022 08:00					0.00
29/08/2022 08:10	1.3	99	19	4.5	0.00
29/08/2022 08:20	0.3	117	13	3.8	0.00
29/08/2022 08:30					0.00
29/08/2022 08:40					0.00
29/08/2022 08:50	0.0	92	0	0.4	0.00
29/08/2022 09:00					0.00
29/08/2022 09:10					0.00
29/08/2022 09:20					0.00
29/08/2022 09:30					0.00
29/08/2022 09:40					0.00
29/08/2022 09:50					0.00
29/08/2022 10:00					0.00
29/08/2022 10:10					0.00
29/08/2022 10:20					0.00
29/08/2022 10:30					0.00
29/08/2022 10:40					0.00
29/08/2022 10:50					0.00
29/08/2022 11:00					0.00
29/08/2022 11:10					0.00
29/08/2022 11:20					0.00
29/08/2022 11:30					0.00
29/08/2022 11:40					0.00
29/08/2022 11:50					0.00
29/08/2022 12:00					0.00



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/08/2022 12:10					0.00
29/08/2022 12:20					0.00
29/08/2022 12:30					0.00
29/08/2022 12:40					0.00
29/08/2022 12:50					0.00
29/08/2022 13:00					0.00
29/08/2022 13:10					0.00
29/08/2022 13:20					0.00
29/08/2022 13:30					0.00
29/08/2022 13:40					0.00
29/08/2022 13:50					0.00
29/08/2022 14:00					0.00
29/08/2022 14:10					0.00
29/08/2022 14:20					0.00
29/08/2022 14:30					0.00
29/08/2022 14:40					0.00
29/08/2022 14:50					0.00
29/08/2022 15:00					0.00
29/08/2022 15:10					0.00
29/08/2022 15:20					0.00
29/08/2022 15:30					0.00
29/08/2022 15:40					0.00
29/08/2022 15:50					0.00
29/08/2022 16:00					0.00
29/08/2022 16:10					0.00
29/08/2022 16:20					0.00
29/08/2022 16:30					0.00
29/08/2022 16:40					0.00
29/08/2022 16:50					0.00
29/08/2022 17:00					0.00
29/08/2022 17:10					0.00
29/08/2022 17:20					0.00
29/08/2022 17:30					0.00
29/08/2022 17:40					0.00
29/08/2022 17:50					0.00
29/08/2022 18:00					0.00
29/08/2022 18:10					0.00
29/08/2022 18:20					0.00
29/08/2022 18:30	0.0	12	0	0.4	0.00
29/08/2022 18:40					0.00
29/08/2022 18:50					0.00
29/08/2022 19:00	0.0	81	0	0.4	0.00
29/08/2022 19:10	0.1	231	15	1.4	0.00
29/08/2022 19:20	1.2	234	12	1.6	0.00
29/08/2022 19:30	0.8	269	32	1.2	0.00



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/08/2022 19:40	1.2	344	18	2.0	0.00
29/08/2022 19:50	1.3	349	23	2.1	0.00
29/08/2022 20:00	1.5	5	27	2.4	0.00
29/08/2022 20:10	1.2	175	26	1.9	0.00
29/08/2022 20:20	0.9	349	28	1.8	0.00
29/08/2022 20:30	1.4	178	29	2.3	0.00
29/08/2022 20:40	1.5	346	32	2.6	0.00
29/08/2022 20:50	1.0	343	37	2.0	0.00
29/08/2022 21:00	0.9	153	78	1.6	0.00
29/08/2022 21:10	1.0	253	21	1.4	0.00
29/08/2022 21:20	0.1	78	11	0.6	0.00
29/08/2022 21:30	0.4	170	31	0.8	0.00
29/08/2022 21:40	0.5	170	49	0.9	0.00
29/08/2022 21:50	0.5	284	19	0.9	0.00
29/08/2022 22:00	0.9	182	40	1.3	0.00
29/08/2022 22:10	0.9	266	11	1.7	0.00
29/08/2022 22:20					0.00
29/08/2022 22:30	0.0	244	0	0.4	0.00
29/08/2022 22:40	1.3	247	14	2.3	0.00
29/08/2022 22:50	2.0	256	13	2.6	0.00
29/08/2022 23:00	2.3	255	16	3.5	0.00
29/08/2022 23:10	2.0	260	14	2.8	0.00
29/08/2022 23:20	2.5	259	14	3.4	0.00
29/08/2022 23:30	2.7	256	13	3.6	0.00
29/08/2022 23:40	2.5	253	16	4.0	0.00
29/08/2022 23:50	2.2	262	18	3.2	0.00
30/08/2022 00:00	2.1	254	16	3.0	0.00
30/08/2022 00:10	1.8	233	18	2.8	0
30/08/2022 00:20	1.9	243	16	2.9	0
30/08/2022 00:30	2.2	250	16	3.2	0
30/08/2022 00:40	2	257	18	3	0
30/08/2022 00:50	1.7	257	15	2.7	0
30/08/2022 01:00	1.9	270	17	2.7	0
30/08/2022 01:10	2.1	262	11	3.1	0
30/08/2022 01:20	2.3	258	15	3.3	0
30/08/2022 01:30	2.5	253	15	3.6	0
30/08/2022 01:40	2.2	258	15	3.1	0
30/08/2022 01:50	2.2	260	17	3.2	0
30/08/2022 02:00	2	238	20	3.2	0
30/08/2022 02:10	1.1	260	28	2.3	0
30/08/2022 02:20	0.9	281	29	2	0
30/08/2022 02:30	1	263	35	2	0
30/08/2022 02:40	1.3	245	25	1.7	0
30/08/2022 02:50	1.3	255	24	2.2	0
30/08/2022 03:00	0.9	251	68	1.7	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/08/2022 03:10	0.4	167	57	0.9	0
30/08/2022 03:20	0.9	248	17	1.6	0
30/08/2022 03:30	0.8	235	59	1.2	0
30/08/2022 03:40	1	212	23	1.6	0
30/08/2022 03:50	0.7	214	44	1.5	0
30/08/2022 04:00	1.2	191	32	2.5	0
30/08/2022 04:10	0.7	185	40	1.7	0
30/08/2022 04:20	0.5	167	35	0.9	0
30/08/2022 04:30	0.5	58	56	0.9	0
30/08/2022 04:40	0.8	181	19	1.2	0
30/08/2022 04:50	0.9	351	17	1.3	0
30/08/2022 05:00	0.8	341	18	1.2	0
30/08/2022 05:10	0.8	213	39	1.2	0
30/08/2022 05:20	0.6	147	28	0.9	0
30/08/2022 05:30	0.2	200	20	0.6	0
30/08/2022 05:40	0.5	6	15	0.8	0
30/08/2022 05:50	0.7	9	23	1	0
30/08/2022 06:00	0.3	164	21	0.7	0
30/08/2022 06:10	0.4	20	19	0.8	0
30/08/2022 06:20	0.4	182	12	0.8	0
30/08/2022 06:30	0.5	17	17	0.7	0
30/08/2022 06:40	0.2	35	15	0.7	0
30/08/2022 06:50	0.5	22	19	0.8	0
30/08/2022 07:00	0.5	19	21	0.8	0
30/08/2022 07:10					0
30/08/2022 07:20					0
30/08/2022 07:30					0
30/08/2022 07:40					0
30/08/2022 07:50					0
30/08/2022 08:00					0
30/08/2022 08:10					0
30/08/2022 08:20					0
30/08/2022 08:30					0
30/08/2022 08:40					0
30/08/2022 08:50					0
30/08/2022 09:00	1.5	106	29	3.2	0
30/08/2022 09:10	1.8	97	29	2.9	0
30/08/2022 09:20	1.3	91	15	3.1	0
30/08/2022 09:30					0
30/08/2022 09:40	1.4	94	21	3.4	0
30/08/2022 09:50	2	96	22	3.7	0
30/08/2022 10:00	2.1	101	30	3.7	0
30/08/2022 10:10	1.5	101	21	4.3	0
30/08/2022 10:20					0
30/08/2022 10:30	0.1	70	1	3.3	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/08/2022 10:40	2.4	78	25	4.2	0
30/08/2022 10:50	0.6	84	5	4.3	0
30/08/2022 11:00					0
30/08/2022 11:10					0
30/08/2022 11:20					0
30/08/2022 11:30					0
30/08/2022 11:40					0
30/08/2022 11:50					0
30/08/2022 12:00					0
30/08/2022 12:10					0
30/08/2022 12:20					0
30/08/2022 12:30					0
30/08/2022 12:40					0
30/08/2022 12:50					0
30/08/2022 13:00					0
30/08/2022 13:10					0
30/08/2022 13:20					0
30/08/2022 13:30					0
30/08/2022 13:40					0
30/08/2022 13:50					0
30/08/2022 14:00					0
30/08/2022 14:10					0
30/08/2022 14:20					0
30/08/2022 14:30					0
30/08/2022 14:40					0
30/08/2022 14:50					0
30/08/2022 15:00					0
30/08/2022 15:10					0
30/08/2022 15:20					0
30/08/2022 15:30					0
30/08/2022 15:40					0
30/08/2022 15:50					0
30/08/2022 16:00					0
30/08/2022 16:10					0
30/08/2022 16:20					0
30/08/2022 16:30					0
30/08/2022 16:40					0
30/08/2022 16:50					0
30/08/2022 17:00					0
30/08/2022 17:10					0
30/08/2022 17:20					0
30/08/2022 17:30					0
30/08/2022 17:40	1	47	11	2.2	0
30/08/2022 17:50	1.6	42	18	2.6	0
30/08/2022 18:00	1.6	37	19	2.4	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/08/2022 18:10	1.6	35	21	2.5	0
30/08/2022 18:20	1.1	41	19	1.8	0
30/08/2022 18:30	1	44	15	1.7	0
30/08/2022 18:40	1.2	37	15	1.7	0
30/08/2022 18:50	0.9	49	18	1.6	0
30/08/2022 19:00	0.8	42	15	1	0
30/08/2022 19:10	1	25	13	1.3	0
30/08/2022 19:20	0.9	20	14	1.2	0
30/08/2022 19:30	0.9	25	14	1.3	0
30/08/2022 19:40	0.9	38	12	1.2	0
30/08/2022 19:50	0.4	40	15	0.9	0
30/08/2022 20:00	0.1	209	11	0.7	0
30/08/2022 20:10	0.6	40	17	1	0
30/08/2022 20:20	0.4	129	22	0.8	0
30/08/2022 20:30	0.3	258	27	0.7	0
30/08/2022 20:40	0.2	113	31	0.6	0
30/08/2022 20:50	0.3	177	36	0.8	0
30/08/2022 21:00	0.1	111	18	0.5	0
30/08/2022 21:10	1	230	20	1.8	0
30/08/2022 21:20	1.9	249	9	2.4	0
30/08/2022 21:30	1	256	6	2.3	0
30/08/2022 21:40					0
30/08/2022 21:50					0
30/08/2022 22:00					0
30/08/2022 22:10					0
30/08/2022 22:20					0
30/08/2022 22:30					0
30/08/2022 22:40					0
30/08/2022 22:50					0
30/08/2022 23:00					0
30/08/2022 23:10					0
30/08/2022 23:20					0
30/08/2022 23:30					0
30/08/2022 23:40					0
30/08/2022 23:50					0
31/08/2022 00:00	0.5	71	13	0.8	0
31/08/2022 00:10	0.2	122	13	0.7	0
31/08/2022 00:20	0.3	253	12	1.1	0
31/08/2022 00:30	1.1	288	14	2.2	0
31/08/2022 00:40	0.1	332	4	1.4	0
31/08/2022 00:50	0.1	278	10	0.5	0
31/08/2022 01:00	0.5	75	16	0.8	0
31/08/2022 01:10	0.2	194	25	0.5	0
31/08/2022 01:20	0.3	34	15	0.6	0
31/08/2022 01:30	0.1	55	1	0.5	0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/08/2022 01:40	0.2	8	6	0.5	0
31/08/2022 01:50	0.6	345	18	0.9	0
31/08/2022 02:00	0.9	308	19	1.4	0
31/08/2022 02:10	0.1	299	4	1.4	0
31/08/2022 02:20	0.2	193	34	0.8	0
31/08/2022 02:30	1.1	133	30	1.5	0
31/08/2022 02:40	1.1	257	18	1.8	0
31/08/2022 02:50	1.4	249	16	2	0
31/08/2022 03:00	1.7	248	13	2.6	0
31/08/2022 03:10	2.1	251	15	2.9	0
31/08/2022 03:20	2.3	250	13	3.2	0
31/08/2022 03:30	2.6	253	14	3.5	0
31/08/2022 03:40	2.3	251	12	3.3	0
31/08/2022 03:50	1.8	253	13	2.4	0
31/08/2022 04:00	2	250	12	2.9	0
31/08/2022 04:10	1.4	252	14	2.2	0
31/08/2022 04:20	2	249	12	2.8	0
31/08/2022 04:30	1.8	248	14	2.8	0
31/08/2022 04:40	1.9	246	14	2.6	0
31/08/2022 04:50	1.7	247	14	2.3	0
31/08/2022 05:00	1.7	252	16	2.4	0
31/08/2022 05:10	1.6	242	13	2.2	0
31/08/2022 05:20	1.6	245	14	2.2	0
31/08/2022 05:30	1.4	244	16	2.1	0
31/08/2022 05:40	0.5	191	28	1.1	0
31/08/2022 05:50	0	114	0	0.4	0
31/08/2022 06:00	0.7	265	8	1.2	0
31/08/2022 06:10	0.8	223	18	1.3	0
31/08/2022 06:20	0.2	86	9	0.5	0
31/08/2022 06:30	0.1	84	5	0.4	0
31/08/2022 06:40	0.4	51	15	0.8	0
31/08/2022 06:50	0.1	275	9	0.5	0
31/08/2022 07:00	0	313	4	0.4	0
31/08/2022 07:10	0	294	0	0.4	0
31/08/2022 07:20	0	296	0	0.4	0
31/08/2022 07:30					0
31/08/2022 07:40					0
31/08/2022 07:50					0
31/08/2022 08:00					0
31/08/2022 08:10					0
31/08/2022 08:20					0
31/08/2022 08:30					0
31/08/2022 08:40					0
31/08/2022 08:50					0
31/08/2022 09:00					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/08/2022 09:10					0
31/08/2022 09:20					0
31/08/2022 09:30					0
31/08/2022 09:40					0
31/08/2022 09:50					0
31/08/2022 10:00					0
31/08/2022 10:10	0.1	108	4	1.2	0
31/08/2022 10:20	1.2	114	21	2.7	0
31/08/2022 10:30					0
31/08/2022 10:40					0
31/08/2022 10:50					0
31/08/2022 11:00					0
31/08/2022 11:10					0
31/08/2022 11:20					0
31/08/2022 11:30					0
31/08/2022 11:40					0
31/08/2022 11:50					0
31/08/2022 12:00					0
31/08/2022 12:10					0
31/08/2022 12:20					0
31/08/2022 12:30					0
31/08/2022 12:40					0
31/08/2022 12:50					0
31/08/2022 13:00					0
31/08/2022 13:10					0
31/08/2022 13:20					0
31/08/2022 13:30					0
31/08/2022 13:40					0
31/08/2022 13:50					0
31/08/2022 14:00					0
31/08/2022 14:10					0
31/08/2022 14:20					0
31/08/2022 14:30					0
31/08/2022 14:40					0
31/08/2022 14:50					0
31/08/2022 15:00					0
31/08/2022 15:10					0
31/08/2022 15:20					0
31/08/2022 15:30					0
31/08/2022 15:40					0
31/08/2022 15:50					0
31/08/2022 16:00					0
31/08/2022 16:10					0
31/08/2022 16:20					0
31/08/2022 16:30					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/08/2022 16:40					0
31/08/2022 16:50					0
31/08/2022 17:00	0.6	343	7	4.3	0
31/08/2022 17:10	2.3	338	32	4	0
31/08/2022 17:20	2.8	325	23	4.3	0
31/08/2022 17:30	2.3	320	25	3.4	0
31/08/2022 17:40	2.1	328	33	3.8	0
31/08/2022 17:50	2.9	343	21	4.8	0
31/08/2022 18:00	2.6	335	26	4.7	0
31/08/2022 18:10	2.3	335	35	4	0
31/08/2022 18:20	2.1	320	29	3.6	0
31/08/2022 18:30	2	323	27	3.7	0
31/08/2022 18:40	2.4	330	23	3.5	0
31/08/2022 18:50	2.1	332	24	3.6	0
31/08/2022 19:00	2.6	327	25	4.2	0
31/08/2022 19:10	2.2	328	23	4	0
31/08/2022 19:20	1.9	333	34	3.6	0
31/08/2022 19:30	1.8	331	33	3.5	0
31/08/2022 19:40	2.3	328	23	4	0
31/08/2022 19:50	2.3	322	24	3.4	0
31/08/2022 20:00	2.2	336	26	3.2	0
31/08/2022 20:10	2	345	24	3.2	0
31/08/2022 20:20	1.5	319	31	2.5	0
31/08/2022 20:30	1.4	273	41	2.4	0
31/08/2022 20:40	1.3	266	30	2.3	0
31/08/2022 20:50	1.3	252	31	2	0
31/08/2022 21:00	1.4	254	22	2.1	0
31/08/2022 21:10	1.2	259	34	1.9	0
31/08/2022 21:20	1	248	23	1.6	0
31/08/2022 21:30	1.2	274	28	1.9	0
31/08/2022 21:40	1.4	253	15	1.8	0
31/08/2022 21:50	1.2	257	16	1.7	0
31/08/2022 22:00	1.2	266	21	1.8	0
31/08/2022 22:10	1.1	255	24	1.6	0
31/08/2022 22:20	1.1	259	23	1.8	0
31/08/2022 22:30	0.8	286	22	1.2	0
31/08/2022 22:40	0.9	278	47	1.8	0
31/08/2022 22:50	0.7	331	25	1.2	0
31/08/2022 23:00	0.7	321	30	1.6	0
31/08/2022 23:10	0.2	166	19	0.5	0
31/08/2022 23:20	0.2	213	23	0.6	0
31/08/2022 23:30	0.7	262	33	1.2	0
31/08/2022 23:40	0.7	258	32	1.2	0
31/08/2022 23:50	0.6	303	38	1.1	0
09/01/2022 00:00	0.8	286	43	1.6	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/01/2022 00:10	0.5	254	26	0.9	0
09/01/2022 00:20	0.9	253	21	1.2	0
09/01/2022 00:30	1.2	247	10	1.6	0
09/01/2022 00:40	0.9	242	13	1.2	0
09/01/2022 00:50	0.3	119	9	0.7	0
09/01/2022 01:00	0.4	325	11	0.8	0
09/01/2022 01:10	0.8	299	25	1.3	0
09/01/2022 01:20	0.3	167	37	0.9	0
09/01/2022 01:30	0.2	179	14	0.6	0
09/01/2022 01:40	0.1	188	4	0.5	0
09/01/2022 01:50	0.3	44	10	0.7	0
09/01/2022 02:00	0.6	28	15	1.1	0
09/01/2022 02:10	0.7	21	17	1.1	0
09/01/2022 02:20	0.8	38	15	1.2	0
09/01/2022 02:30	0.9	27	15	1.2	0
09/01/2022 02:40	0.6	13	16	1.2	0
09/01/2022 02:50	0.7	24	15	1	0
09/01/2022 03:00	0.4	20	14	0.7	0
09/01/2022 03:10	0.5	61	28	1.2	0
09/01/2022 03:20	0.6	190	26	0.9	0
09/01/2022 03:30	0.2	60	17	0.8	0
09/01/2022 03:40	0.5	37	18	1	0
09/01/2022 03:50	0.6	51	24	1.1	0
09/01/2022 04:00	0.5	47	17	0.8	0
09/01/2022 04:10	0.7	45	22	1	0
09/01/2022 04:20	0.4	40	14	0.8	0
09/01/2022 04:30	0.6	19	17	1	0
09/01/2022 04:40	0.6	24	13	0.9	0
09/01/2022 04:50	0.7	23	13	1	0
09/01/2022 05:00	0.5	34	17	0.8	0
09/01/2022 05:10	0.5	184	18	0.7	0
09/01/2022 05:20	0.5	25	23	0.8	0
09/01/2022 05:30	0.8	35	17	1.2	0
09/01/2022 05:40	0.5	26	16	0.8	0
09/01/2022 05:50	0.7	12	19	0.8	0
09/01/2022 06:00	0.7	13	17	1.1	0
09/01/2022 06:10	1.2	15	21	1.9	0
09/01/2022 06:20	1.2	19	19	1.8	0
09/01/2022 06:30	1.3	22	21	1.9	0
09/01/2022 06:40	1.5	29	18	2.2	0
09/01/2022 06:50	1.7	37	19	2.5	0
09/01/2022 07:00	1.8	42	18	2.8	0
09/01/2022 07:10	1.4	38	15	2.6	0
09/01/2022 07:20					0
09/01/2022 07:30					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/01/2022 07:40	0	27	9	0.7	0
09/01/2022 07:50					0
09/01/2022 08:00					0
09/01/2022 08:10					0
09/01/2022 08:20					0
09/01/2022 08:30					0
09/01/2022 08:40					0
09/01/2022 08:50					0
09/01/2022 09:00					0
09/01/2022 09:10					0
09/01/2022 09:20					0
09/01/2022 09:30					0
09/01/2022 09:40					0
09/01/2022 09:50					0
09/01/2022 10:00					0
09/01/2022 10:10					0
09/01/2022 10:20					0
09/01/2022 10:30					0
09/01/2022 10:40					0
09/01/2022 10:50					0
09/01/2022 11:00					0
09/01/2022 11:10					0
09/01/2022 11:20					0
09/01/2022 11:30					0
09/01/2022 11:40					0
09/01/2022 11:50					0
09/01/2022 12:00					0
09/01/2022 12:10					0
09/01/2022 12:20					0
09/01/2022 12:30					0
09/01/2022 12:40					0
09/01/2022 12:50					0
09/01/2022 13:00					0
09/01/2022 13:10	0	138	0	2.5	0
09/01/2022 13:20					0
09/01/2022 13:30					0
09/01/2022 13:40					0
09/01/2022 13:50					0
09/01/2022 14:00	0	83	0	0.4	0
09/01/2022 14:10					0
09/01/2022 14:20					0
09/01/2022 14:30					0
09/01/2022 14:40					0
09/01/2022 14:50					0
09/01/2022 15:00					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/01/2022 15:10					0
09/01/2022 15:20					0
09/01/2022 15:30					0
09/01/2022 15:40					0
09/01/2022 15:50					0
09/01/2022 16:00					0
09/01/2022 16:10					0
09/01/2022 16:20					0
09/01/2022 16:30					0
09/01/2022 16:40					0
09/01/2022 16:50					0
09/01/2022 17:00	0.4	352	14	2.7	0
09/01/2022 17:10	0.1	185	6	1.6	0
09/01/2022 17:20	2.6	9	31	4.6	0
09/01/2022 17:30	3.1	17	32	4.9	0
09/01/2022 17:40	2.9	9	32	5.1	0
09/01/2022 17:50	2.3	6	37	4.3	0
09/01/2022 18:00	2.7	9	36	4.5	0
09/01/2022 18:10	2.6	13	37	4.5	0
09/01/2022 18:20	3.2	16	22	4.8	0
09/01/2022 18:30	2.8	19	32	4.5	0
09/01/2022 18:40	2.8	17	28	4.3	0
09/01/2022 18:50	2.8	18	23	4.5	0
09/01/2022 19:00	2.1	23	33	4	0
09/01/2022 19:10	1.8	41	28	3	0
09/01/2022 19:20	1.7	38	28	2.9	0
09/01/2022 19:30	1.5	43	23	2.6	0
09/01/2022 19:40	1.7	46	21	3	0
09/01/2022 19:50	1.1	51	21	1.9	0
09/01/2022 20:00	1.4	54	19	2.5	0
09/01/2022 20:10	1.6	49	18	2.2	0
09/01/2022 20:20	1.5	42	25	2.3	0
09/01/2022 20:30	1.4	31	25	2.3	0
09/01/2022 20:40	1.2	44	21	1.9	0
09/01/2022 20:50	1.1	47	19	1.6	0
09/01/2022 21:00	1.4	46	15	2.1	0
09/01/2022 21:10	1.4	47	15	2.1	0
09/01/2022 21:20	1.2	43	17	2	0
09/01/2022 21:30	1.2	43	19	1.8	0
09/01/2022 21:40	1	53	18	1.6	0
09/01/2022 21:50	0.9	50	13	1.3	0
09/01/2022 22:00	1.1	56	14	1.9	0
09/01/2022 22:10	1.2	53	15	1.9	0
09/01/2022 22:20	1	41	16	1.7	0
09/01/2022 22:30	0.9	40	14	1.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/01/2022 22:40	0.7	52	13	1.1	0
09/01/2022 22:50	0.5	58	18	0.8	0
09/01/2022 23:00	0.5	69	11	0.8	0
09/01/2022 23:10	0.8	59	17	1	0
09/01/2022 23:20	1.1	45	16	1.7	0
09/01/2022 23:30	0.7	73	18	1.1	0
09/01/2022 23:40	0.7	55	20	1.2	0
09/01/2022 23:50	0.7	66	23	1.2	0
09/02/2022 00:00	0.6	52	17	1.2	0
09/02/2022 00:10	0.6	44	17	1	0
09/02/2022 00:20	0.7	22	16	1.1	0
09/02/2022 00:30	0.5	32	14	0.8	0
09/02/2022 00:40	0.7	50	19	1.2	0
09/02/2022 00:50	0.6	52	11	1	0
09/02/2022 01:00	0.4	45	22	0.8	0
09/02/2022 01:10	0.7	66	19	1.3	0
09/02/2022 01:20	0.3	59	25	0.9	0
09/02/2022 01:30	1	54	20	1.7	0
09/02/2022 01:40	1.5	46	20	2.7	0
09/02/2022 01:50	1.3	49	22	2	0
09/02/2022 02:00	0.8	54	24	1.2	0
09/02/2022 02:10	0.7	38	20	1.1	0
09/02/2022 02:20	1.1	43	17	1.7	0
09/02/2022 02:30	1.1	38	19	1.6	0
09/02/2022 02:40	0.9	79	15	1.2	0
09/02/2022 02:50	0.4	94	16	1.1	0
09/02/2022 03:00	0.2	59	12	0.6	0
09/02/2022 03:10	0.7	50	23	1.2	0
09/02/2022 03:20	1.5	74	23	2.2	0
09/02/2022 03:30	1.6	82	35	2.7	0
09/02/2022 03:40	1.8	80	31	3.2	0
09/02/2022 03:50	2.1	85	20	3.6	0
09/02/2022 04:00	2.2	84	17	3.6	0
09/02/2022 04:10	1.9	78	21	3	0
09/02/2022 04:20	1.5	75	20	2.4	0
09/02/2022 04:30	1.8	69	24	3.4	0
09/02/2022 04:40	1.8	79	21	3.3	0
09/02/2022 04:50	1.5	70	26	2.4	0
09/02/2022 05:00	1.4	58	20	2.4	0
09/02/2022 05:10	1.3	68	21	2	0
09/02/2022 05:20	1.3	69	23	2.3	0
09/02/2022 05:30	1.4	54	19	2.4	0
09/02/2022 05:40	1.5	47	16	2.6	0
09/02/2022 05:50	1.2	38	20	1.8	0
09/02/2022 06:00	1.2	51	19	1.7	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/02/2022 06:10	1	59	23	1.6	0
09/02/2022 06:20	1.2	43	21	1.9	0
09/02/2022 06:30	1.4	47	24	2.2	0
09/02/2022 06:40	1	67	22	1.6	0
09/02/2022 06:50	1	77	24	1.7	0
09/02/2022 07:00	1.1	55	26	1.7	0
09/02/2022 07:10	1.5	54	23	2.4	0
09/02/2022 07:20	1.6	74	22	2.9	0
09/02/2022 07:30	2	70	23	3.3	0
09/02/2022 07:40	2.2	62	24	3.6	0
09/02/2022 07:50	0.3	65	9	2.2	0
09/02/2022 08:00	0.5	62	7	3.3	0
09/02/2022 08:10	1.5	67	22	2.2	0
09/02/2022 08:20	1.9	64	21	3.2	0
09/02/2022 08:30	1.7	61	18	3.2	0
09/02/2022 08:40					0
09/02/2022 08:50	0	42	0	0.6	0
09/02/2022 09:00					0
09/02/2022 09:10					0
09/02/2022 09:20					0
09/02/2022 09:30					0
09/02/2022 09:40					0
09/02/2022 09:50					0
09/02/2022 10:00					0
09/02/2022 10:10					0
09/02/2022 10:20					0
09/02/2022 10:30					0
09/02/2022 10:40					0
09/02/2022 10:50	0.1	57	5	2.8	0
09/02/2022 11:00					0
09/02/2022 11:10	0	69	0	1.6	0
09/02/2022 11:20	0.1	80	1	3.3	0
09/02/2022 11:30	0.3	74	7	3.2	0
09/02/2022 11:40	0.3	72	8	4.2	0
09/02/2022 11:50					0
09/02/2022 12:00					0
09/02/2022 12:10	0	76	3	1.3	0
09/02/2022 12:20	0.2	70	8	3.1	0
09/02/2022 12:30	0.1	75	3	1.8	0
09/02/2022 12:40					0
09/02/2022 12:50					0
09/02/2022 13:00					0
09/02/2022 13:10					0
09/02/2022 13:20					0
09/02/2022 13:30					0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/02/2022 13:40					0
09/02/2022 13:50					0
09/02/2022 14:00					0
09/02/2022 14:10	2.8	68	16	5.2	0
09/02/2022 14:20	3.3	63	20	6.1	0
09/02/2022 14:30	3.5	63	20	5.2	0
09/02/2022 14:40	2.3	68	18	5.2	0
09/02/2022 14:50	3.5	51	20	6.2	0
09/02/2022 15:00	2.7	61	22	4.7	0
09/02/2022 15:10	2.2	64	18	5.2	0
09/02/2022 15:20	2.8	59	18	4.9	0
09/02/2022 15:30	3	60	22	5	0
09/02/2022 15:40	3.5	53	21	5.6	0
09/02/2022 15:50	3.1	54	20	5.6	0
09/02/2022 16:00	3.1	53	19	6	0
09/02/2022 16:10	3.4	55	19	5.2	0
09/02/2022 16:20	3	56	21	4.9	0
09/02/2022 16:30	2.6	47	20	3.7	0
09/02/2022 16:40	2.6	54	17	4.9	0
09/02/2022 16:50	2.2	55	19	3.5	0
09/02/2022 17:00	2.4	54	22	3.8	0
09/02/2022 17:10	2.1	51	22	3.7	0
09/02/2022 17:20	2.6	52	16	4.4	0
09/02/2022 17:30	2.4	46	20	4	0
09/02/2022 17:40	2.2	55	16	3.7	0
09/02/2022 17:50	2.1	52	21	3.8	0
09/02/2022 18:00	2.2	50	20	3.5	0
09/02/2022 18:10	2	54	18	3.3	0
09/02/2022 18:20	2	54	20	3.2	0
09/02/2022 18:30	1.8	46	20	2.9	0
09/02/2022 18:40	1.6	48	22	2.6	0
09/02/2022 18:50	1.7	37	22	2.5	0
09/02/2022 19:00	2	36	25	3.3	0
09/02/2022 19:10	1.8	39	24	2.8	0
09/02/2022 19:20	1.7	40	25	2.7	0
09/02/2022 19:30	1.9	40	21	3	0
09/02/2022 19:40	1.6	45	25	2.6	0
09/02/2022 19:50	1.7	42	30	2.8	0
09/02/2022 20:00	1.7	43	24	2.6	0
09/02/2022 20:10	1.9	37	26	2.8	0
09/02/2022 20:20	2.1	41	23	3.6	0
09/02/2022 20:30	2.3	42	23	3.4	0
09/02/2022 20:40	2.2	46	22	3.6	0
09/02/2022 20:50	2.1	48	21	3.3	0
09/02/2022 21:00	2.2	39	24	3.4	0



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/02/2022 21:10	2.1	36	23	3.2	0
09/02/2022 21:20	2	36	26	3.9	0
09/02/2022 21:30	1.6	189	35	2.9	0
09/02/2022 21:40	0.9	6	46	1.6	0
09/02/2022 21:50	1.1	22	62	2.3	0
09/02/2022 22:00	1.1	179	61	2	0
09/02/2022 22:10	0.8	166	42	1.2	0
09/02/2022 22:20	1.6	181	50	2.8	0
09/02/2022 22:30	1.5	18	40	2.7	0
09/02/2022 22:40	1.6	15	41	2.9	0
09/02/2022 22:50	1.4	5	55	2.8	0
09/02/2022 23:00	1.7	189	53	3.4	0
09/02/2022 23:10	2.1	346	39	3.5	0
09/02/2022 23:20	1.9	327	38	3.2	0
09/02/2022 23:30	1.8	328	43	3.6	0
09/02/2022 23:40	1.4	325	45	2.9	0
09/02/2022 23:50	1.5	292	55	2.8	0
09/03/2022 00:00	1.7	292	42	3.2	0
09/03/2022 00:10	2.3	256	26	3.7	0
09/03/2022 00:20	2.6	247	17	3.8	0
09/03/2022 00:30	1.9	274	24	2.8	0
09/03/2022 00:40	1.8	257	21	3.3	0
09/03/2022 00:50	2.1	257	19	3.4	0
09/03/2022 01:00	1.8	253	20	3.2	0
09/03/2022 01:10	3.4	246	21	5.3	0
09/03/2022 01:20	2.7	241	19	4.3	0
09/03/2022 01:30	3.1	249	18	5.2	0
09/03/2022 01:40	2.4	241	16	3.4	0
09/03/2022 01:50	2.3	233	15	3.4	0
09/03/2022 02:00	1.7	232	18	2.5	0
09/03/2022 02:10	1.9	237	18	2.7	0.1
09/03/2022 02:20	1.9	243	20	2.8	0
09/03/2022 02:30	2	245	18	2.8	0
09/03/2022 02:40	1.4	244	21	2.2	0
09/03/2022 02:50	1.8	252	15	2.7	0
09/03/2022 03:00	1.8	243	19	2.8	0
09/03/2022 03:10	1.6	239	17	2.4	0
09/03/2022 03:20	1.8	249	18	2.6	0
09/03/2022 03:30	1.6	224	23	2.4	0
09/03/2022 03:40	2	235	18	3.2	0.1
09/03/2022 03:50	2.8	239	17	4.1	0
09/03/2022 04:00	2.4	237	18	4	0
09/03/2022 04:10	3	243	17	4.3	0
09/03/2022 04:20	3	231	18	4.2	0
09/03/2022 04:30	3.2	229	18	5.2	0



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/03/2022 04:40	2.7	222	16	4.5	0
09/03/2022 04:50	3.4	229	18	5.6	0
09/03/2022 05:00	3	226	18	4.4	0
09/03/2022 05:10	3.1	239	16	4.1	0.1
09/03/2022 05:20	2.7	240	20	4.2	0.1
09/03/2022 05:30	2.5	235	20	3.8	0.3
09/03/2022 05:40	2.6	228	17	4.4	0.2
09/03/2022 05:50	1.9	231	16	2.9	0.1
09/03/2022 06:00	2	234	17	2.8	0.1
09/03/2022 06:10	1.8	232	19	2.6	0.1
09/03/2022 06:20	1.8	232	17	2.5	0.1
09/03/2022 06:30	1.7	225	18	2.4	0.1
09/03/2022 06:40	2.3	252	25	4	0.1
09/03/2022 06:50	1.6	268	25	2.7	0.1
09/03/2022 07:00	2	266	26	3.4	0.1
09/03/2022 07:10	1.5	260	32	2.5	0
09/03/2022 07:20	1.6	288	41	2.8	0.1
09/03/2022 07:30	1.5	274	57	3.2	0
09/03/2022 07:40	1.2	262	37	2.1	0
09/03/2022 07:50	1.1	296	43	2	0.1
09/03/2022 08:00	1.2	281	38	2.3	0
09/03/2022 08:10	1.5	273	30	2.5	0.1
09/03/2022 08:20	1.6	259	24	2.4	0.1
09/03/2022 08:30	1.5	266	34	2.5	0.1
09/03/2022 08:40	0.9	277	51	2	0
09/03/2022 08:50	1.1	276	41	2	0
09/03/2022 09:00	1.3	264	36	2	0
09/03/2022 09:10	1.4	311	53	2.8	0.1
09/03/2022 09:20	1.8	322	26	3.5	0
09/03/2022 09:30	1.5	320	37	2.7	0
09/03/2022 09:40	1.8	328	30	3	0
09/03/2022 09:50	1.5	277	45	2.8	0
09/03/2022 10:00	1.3	305	46	2.3	0.1
09/03/2022 10:10	1.5	262	37	2.3	0
09/03/2022 10:20	1.4	256	21	2.2	0
09/03/2022 10:30	1.1	267	42	2.2	0.1
09/03/2022 10:40	1.3	256	43	2.3	0
09/03/2022 10:50	1.8	240	15	2.5	0
09/03/2022 11:00	1.7	240	19	2.5	0
09/03/2022 11:10	2.5	252	23	4.4	0
09/03/2022 11:20	0.1	253	2	1.4	0
09/03/2022 11:30	1	259	14	4	0
09/03/2022 11:40	2.5	254	25	4.1	0
09/03/2022 11:50	1.5	264	16	3.7	0
09/03/2022 12:00	0	228	4	0.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/03/2022 12:10	0	277	2	0.4	0
09/03/2022 12:20	3.1	253	15	5.1	0
09/03/2022 12:30	3.1	259	18	4.5	0
09/03/2022 12:40	3.4	264	20	4.8	0
09/03/2022 12:50	3.1	258	22	4.8	0
09/03/2022 13:00	3.2	263	22	4.8	0
09/03/2022 13:10	3.5	256	21	5.2	0
09/03/2022 13:20	3.3	261	17	5.4	0
09/03/2022 13:30	3.9	254	22	5.9	0
09/03/2022 13:40	3.9	256	20	5.8	0
09/03/2022 13:50	3.6	254	21	5.4	0
09/03/2022 14:00	3.8	248	18	6	0
09/03/2022 14:10	3.6	252	18	6	0
09/03/2022 14:20	3.9	237	22	6	0
09/03/2022 14:30	3.9	245	20	6	0
09/03/2022 14:40	4	247	19	5.6	0
09/03/2022 14:50	4.3	243	19	6.2	0
09/03/2022 15:00	4.3	241	18	6.2	0
09/03/2022 15:10	4.2	240	19	5.9	0
09/03/2022 15:20	4.3	254	16	6.1	0
09/03/2022 15:30	4.2	248	17	6.2	0
09/03/2022 15:40	4.3	242	20	5.8	0
09/03/2022 15:50	3.8	251	20	6	0
09/03/2022 16:00	4	252	17	5.7	0
09/03/2022 16:10	4.1	250	20	6.3	0
09/03/2022 16:20	4.3	247	17	6.3	0
09/03/2022 16:30	4.5	249	18	6.1	0
09/03/2022 16:40	4.6	248	17	6.3	0
09/03/2022 16:50	4.2	252	19	5.8	0
09/03/2022 17:00	4.4	252	17	6.2	0
09/03/2022 17:10	3.8	252	14	5.7	0
09/03/2022 17:20	4	252	17	5.8	0
09/03/2022 17:30	3.6	250	15	5.6	0
09/03/2022 17:40	3.7	246	16	5.5	0
09/03/2022 17:50	3.7	247	16	5.1	0
09/03/2022 18:00	4	252	16	5.4	0
09/03/2022 18:10	3.5	251	18	5.2	0
09/03/2022 18:20	3.6	249	15	6	0
09/03/2022 18:30	3.5	250	15	4.8	0
09/03/2022 18:40	3.2	251	18	4.8	0
09/03/2022 18:50	2.9	252	17	4	0
09/03/2022 19:00	3.6	253	17	5.5	0
09/03/2022 19:10	3.7	255	16	5.3	0
09/03/2022 19:20	3.3	253	17	4.7	0
09/03/2022 19:30	3.2	247	17	5.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/03/2022 19:40	2.6	248	18	4.5	0
09/03/2022 19:50	2.9	242	19	4.3	0
09/03/2022 20:00	2.7	251	20	4.4	0
09/03/2022 20:10	3.3	250	17	4.8	0
09/03/2022 20:20	2.8	242	19	5.2	0
09/03/2022 20:30	2.8	233	16	4	0
09/03/2022 20:40	2.5	231	16	3.6	0
09/03/2022 20:50	2.6	230	16	3.9	0
09/03/2022 21:00	2.4	235	16	3.6	0
09/03/2022 21:10	2.4	229	14	3.7	0
09/03/2022 21:20	2.3	232	17	3.2	0
09/03/2022 21:30	2.4	234	17	3.6	0
09/03/2022 21:40	1.6	265	15	2.1	0
09/03/2022 21:50	1.4	265	13	1.8	0
09/03/2022 22:00	1.4	266	14	1.9	0
09/03/2022 22:10	1.5	264	12	2.2	0
09/03/2022 22:20	1.4	265	14	2	0
09/03/2022 22:30	1.3	270	17	2.2	0
09/03/2022 22:40	1.3	279	19	1.8	0
09/03/2022 22:50	1.5	270	15	1.9	0
09/03/2022 23:00	1.3	265	13	1.8	0
09/03/2022 23:10	1.4	266	17	1.9	0
09/03/2022 23:20	1.2	271	19	1.8	0
09/03/2022 23:30	1	270	18	1.5	0
09/03/2022 23:40	0.9	271	19	1.3	0
09/03/2022 23:50	0.8	257	19	1.2	0
09/04/2022 00:00	0.8	258	12	1.2	0
09/04/2022 00:10	1	251	14	1.6	0
09/04/2022 00:20	1.5	233	12	2.4	0
09/04/2022 00:30	2	237	14	3	0
09/04/2022 00:40	1.9	238	17	2.8	0
09/04/2022 00:50	2.3	246	14	3.3	0
09/04/2022 01:00	2.2	253	14	3.1	0
09/04/2022 01:10	2.4	253	15	3.6	0
09/04/2022 01:20	2.6	257	12	3.8	0
09/04/2022 01:30	2.3	253	15	3.3	0
09/04/2022 01:40	2.3	254	15	3.3	0
09/04/2022 01:50	2.1	252	15	3.2	0
09/04/2022 02:00	2.4	253	16	3.5	0
09/04/2022 02:10	2.7	248	15	3.7	0
09/04/2022 02:20	2.5	251	18	3.6	0
09/04/2022 02:30	2.7	249	17	3.6	0
09/04/2022 02:40	2.8	248	15	3.8	0
09/04/2022 02:50	2.5	252	17	3.5	0
09/04/2022 03:00	2.2	254	16	3.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/04/2022 03:10	2.2	246	19	3.1	0
09/04/2022 03:20	2.1	244	23	3.7	0
09/04/2022 03:30	2.5	250	15	3.9	0
09/04/2022 03:40	2.2	247	18	3.5	0
09/04/2022 03:50	2.4	253	22	3.4	0
09/04/2022 04:00	2.5	253	17	3.5	0
09/04/2022 04:10	2.5	251	15	3.6	0
09/04/2022 04:20	2.2	247	17	3.3	0
09/04/2022 04:30	1.9	253	16	3	0
09/04/2022 04:40	1.8	250	19	2.9	0
09/04/2022 04:50	2.1	247	18	3.1	0
09/04/2022 05:00	2.1	249	17	3.3	0
09/04/2022 05:10	2.4	250	15	3.2	0
09/04/2022 05:20	2.2	253	17	3.3	0
09/04/2022 05:30	2	255	17	2.9	0
09/04/2022 05:40	1.7	263	17	2.5	0
09/04/2022 05:50	1.4	243	26	2.1	0
09/04/2022 06:00	0.5	220	43	1.2	0
09/04/2022 06:10	0.3	133	27	0.7	0
09/04/2022 06:20	0.4	293	33	1	0
09/04/2022 06:30	0.4	248	14	1	0
09/04/2022 06:40	0.9	255	19	1.1	0
09/04/2022 06:50	0.8	289	25	1.1	0
09/04/2022 07:00	0.4	295	27	0.9	0
09/04/2022 07:10	0.5	208	12	1.1	0
09/04/2022 07:20	1	213	21	1.6	0
09/04/2022 07:30	0.2	245	20	1.4	0
09/04/2022 07:40	1	224	29	1.8	0
09/04/2022 07:50	1.2	179	31	1.9	0
09/04/2022 08:00	0.1	244	5	0.8	0
09/04/2022 08:10	1.9	222	18	3	0
09/04/2022 08:20	1.7	197	21	3	0
09/04/2022 08:30	2.1	210	22	3.4	0
09/04/2022 08:40	1.7	200	25	2.8	0
09/04/2022 08:50	0.6	200	23	2.2	0
09/04/2022 09:00	2.2	178	24	3.4	0
09/04/2022 09:10	2.6	195	20	3.6	0
09/04/2022 09:20	2.3	189	28	3.5	0
09/04/2022 09:30	2.8	191	21	4.3	0
09/04/2022 09:40	3.1	199	19	4.5	0
09/04/2022 09:50	2.2	190	29	3.8	0
09/04/2022 10:00	2.5	174	24	4.2	0
09/04/2022 10:10	2.5	183	23	3.9	0
09/04/2022 10:20	1.7	190	26	3.3	0
09/04/2022 10:30	2.4	183	17	4.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/04/2022 10:40	1.5	187	42	3.5	0
09/04/2022 10:50	2.1	208	30	4.8	0
09/04/2022 11:00	1.1	219	42	2.6	0
09/04/2022 11:10	1.5	110	38	3.5	0
09/04/2022 11:20					0
09/04/2022 11:30	0.2	258	4	3.3	0
09/04/2022 11:40	0.4	273	21	2.4	0
09/04/2022 11:50					0
09/04/2022 12:00					0
09/04/2022 12:10	1.6	256	15	3.8	0
09/04/2022 12:20	1.8	242	17	4.6	0
09/04/2022 12:30	2.9	241	20	5	0
09/04/2022 12:40	3.7	245	17	5.6	0
09/04/2022 12:50	3.3	246	24	5	0
09/04/2022 13:00	3.6	244	23	5.3	0
09/04/2022 13:10	2.9	269	37	5.2	0
09/04/2022 13:20	2.8	268	43	4.5	0
09/04/2022 13:30	2.6	302	43	4.3	0
09/04/2022 13:40	2.5	267	38	4.6	0
09/04/2022 13:50	3.1	263	38	5.2	0
09/04/2022 14:00	3.1	261	27	5.3	0
09/04/2022 14:10	3.1	279	36	5.3	0
09/04/2022 14:20	3.3	276	36	6	0
09/04/2022 14:30	3	270	40	4.9	0
09/04/2022 14:40	4	247	19	5.9	0
09/04/2022 14:50	4.5	243	17	6.2	0
09/04/2022 15:00	4.4	249	18	6.4	0
09/04/2022 15:10	4.5	242	22	6.1	0
09/04/2022 15:20	4	251	20	5.9	0
09/04/2022 15:30	4.5	241	17	6.9	0
09/04/2022 15:40	4.6	245	16	6.5	0
09/04/2022 15:50	4.6	244	19	6.8	0
09/04/2022 16:00	4.7	250	17	7.1	0
09/04/2022 16:10	4.5	241	16	6.4	0
09/04/2022 16:20	4.9	245	16	6.8	0
09/04/2022 16:30	4.4	251	20	6.9	0
09/04/2022 16:40	4.5	253	19	6.4	0
09/04/2022 16:50	4.6	254	20	7.5	0
09/04/2022 17:00	4.4	251	18	7.1	0
09/04/2022 17:10	4.2	250	17	6.1	0
09/04/2022 17:20	4.3	246	17	6.1	0
09/04/2022 17:30	4.2	248	18	6	0
09/04/2022 17:40	4.1	248	19	6.4	0
09/04/2022 17:50	3.6	252	20	7	0
09/04/2022 18:00	3.9	249	17	5.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/04/2022 18:10	3.2	258	21	5.5	0
09/04/2022 18:20	2.9	258	22	4.3	0
09/04/2022 18:30	2.5	249	21	4.3	0
09/04/2022 18:40	2.8	250	14	4.3	0
09/04/2022 18:50	2.6	257	18	3.9	0
09/04/2022 19:00	2.6	255	18	4	0
09/04/2022 19:10	2.3	258	19	4.2	0
09/04/2022 19:20	2.4	255	22	4	0
09/04/2022 19:30	2.7	250	18	3.8	0
09/04/2022 19:40	3.1	255	17	5.2	0
09/04/2022 19:50	3.5	257	17	5.5	0
09/04/2022 20:00	3.4	258	19	5.1	0
09/04/2022 20:10	3.2	261	20	4.6	0
09/04/2022 20:20	3.1	259	16	4.5	0
09/04/2022 20:30	3	262	17	4.5	0
09/04/2022 20:40	2.7	262	19	4.7	0
09/04/2022 20:50	2.7	260	18	4.8	0
09/04/2022 21:00	3	256	15	4.6	0
09/04/2022 21:10	2.3	253	16	3.8	0
09/04/2022 21:20	2.6	261	19	4.1	0
09/04/2022 21:30	2.5	256	16	3.6	0
09/04/2022 21:40	2.8	254	16	4.3	0
09/04/2022 21:50	2.9	254	15	4.1	0
09/04/2022 22:00	2.9	258	16	4.4	0
09/04/2022 22:10	2.6	260	17	4.4	0
09/04/2022 22:20	2.5	258	24	4	0
09/04/2022 22:30	2.6	260	19	4	0
09/04/2022 22:40	2.9	258	18	4.8	0
09/04/2022 22:50	2.9	254	16	4.2	0
09/04/2022 23:00	2.9	254	17	4.1	0
09/04/2022 23:10	2.6	253	17	4.3	0
09/04/2022 23:20	2.4	256	21	4	0
09/04/2022 23:30	2.3	256	21	3.2	0
09/04/2022 23:40	2.9	256	17	4.6	0
09/04/2022 23:50	3.2	252	17	5	0
09/05/2022 00:00	3	258	15	4.7	0
09/05/2022 00:10	3.1	259	19	4.8	0
09/05/2022 00:20	2.3	250	20	3.8	0
09/05/2022 00:30	2.5	228	19	3.8	0
09/05/2022 00:40	2.4	229	18	3.6	0
09/05/2022 00:50	2.1	232	20	3.5	0
09/05/2022 01:00	1.7	255	20	2.5	0
09/05/2022 01:10	1.5	251	18	2.5	0
09/05/2022 01:20	1.6	226	19	2.6	0
09/05/2022 01:30	1.8	239	19	2.7	0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/05/2022 01:40	1.8	266	18	2.6	0
09/05/2022 01:50	1.8	269	15	2.5	0
09/05/2022 02:00	1.5	263	14	2.4	0
09/05/2022 02:10	1.3	256	12	1.9	0
09/05/2022 02:20	1.6	246	16	2.3	0
09/05/2022 02:30	1.9	246	16	2.7	0
09/05/2022 02:40	1.7	249	15	2.4	0
09/05/2022 02:50	1.7	259	15	2.4	0
09/05/2022 03:00	1.7	267	15	2.3	0
09/05/2022 03:10	1.7	268	18	2.3	0
09/05/2022 03:20	2	249	19	3	0
09/05/2022 03:30	2.2	261	16	3.4	0
09/05/2022 03:40	2.1	261	14	3.2	0
09/05/2022 03:50	1.6	252	17	2.4	0
09/05/2022 04:00	1.9	268	17	2.7	0
09/05/2022 04:10	1.9	262	15	3	0
09/05/2022 04:20	2	260	14	2.8	0
09/05/2022 04:30	2.2	260	13	3.1	0
09/05/2022 04:40	2	259	15	2.9	0
09/05/2022 04:50	2.1	262	15	2.8	0
09/05/2022 05:00	2.1	263	13	2.9	0
09/05/2022 05:10	2.5	262	14	3.3	0
09/05/2022 05:20	2	268	16	2.8	0
09/05/2022 05:30	1.7	255	17	2.5	0
09/05/2022 05:40	1.6	266	15	2.3	0
09/05/2022 05:50	2	261	13	2.6	0
09/05/2022 06:00	1.9	270	15	2.6	0
09/05/2022 06:10	1.8	264	14	2.5	0
09/05/2022 06:20	1.7	262	14	2.4	0
09/05/2022 06:30	1.4	271	20	2.1	0
09/05/2022 06:40	1.8	269	17	2.6	0
09/05/2022 06:50	1.4	260	17	2.1	0
09/05/2022 07:00	1.3	250	17	2	0
09/05/2022 07:10	1.7	251	17	2.4	0
09/05/2022 07:20	1.9	259	13	2.5	0
09/05/2022 07:30	1.6	260	18	2.5	0
09/05/2022 07:40	1.4	255	10	3	0
09/05/2022 07:50	0.2	227	8	0.9	0
09/05/2022 08:00	1.1	249	10	2.8	0
09/05/2022 08:10					0
09/05/2022 08:20					0
09/05/2022 08:30	1.6	214	15	3.4	0
09/05/2022 08:40	2.1	218	23	3.3	0
09/05/2022 08:50	1.9	229	26	2.8	0
09/05/2022 09:00	2.1	208	21	3.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/05/2022 09:10	2.4	226	20	3.9	0
09/05/2022 09:20	2.7	214	16	3.9	0
09/05/2022 09:30	2.1	219	21	3.7	0
09/05/2022 09:40	1.5	202	17	3.7	0
09/05/2022 09:50	2	215	23	3.7	0
09/05/2022 10:00					0
09/05/2022 10:10					0
09/05/2022 10:20					0
09/05/2022 10:30	2.4	251	23	4.3	0
09/05/2022 10:40	3.3	241	22	4.6	0
09/05/2022 10:50	3	241	20	4.4	0
09/05/2022 11:00	2.8	238	19	4.2	0
09/05/2022 11:10	2.8	253	22	4.4	0
09/05/2022 11:20	3	255	23	5.2	0
09/05/2022 11:30	1.8	249	11	4.7	0
09/05/2022 11:40	3.3	250	24	5.6	0
09/05/2022 11:50	3.3	254	23	5.2	0
09/05/2022 12:00	3.2	250	21	4.5	0
09/05/2022 12:10	3	250	22	4.8	0
09/05/2022 12:20	1.9	249	23	4.5	0
09/05/2022 12:30					0
09/05/2022 12:40	0.6	237	9	5.1	0
09/05/2022 12:50	3.5	241	19	5.4	0
09/05/2022 13:00	3.5	244	20	4.8	0
09/05/2022 13:10	3.8	248	19	5.6	0
09/05/2022 13:20	3.9	243	20	5.6	0
09/05/2022 13:30	3.7	245	17	5.3	0
09/05/2022 13:40	3.6	251	20	5.9	0
09/05/2022 13:50	3.6	262	31	6	0
09/05/2022 14:00	3.8	251	18	5.9	0
09/05/2022 14:10	4.6	250	20	7.1	0
09/05/2022 14:20	5.3	244	18	7.7	0
09/05/2022 14:30	5	245	16	7.4	0
09/05/2022 14:40	5	251	21	7.7	0
09/05/2022 14:50	4.8	248	19	7.3	0
09/05/2022 15:00	5.1	247	21	8.2	0
09/05/2022 15:10	5.2	247	18	7.6	0
09/05/2022 15:20	5.4	246	17	7.6	0
09/05/2022 15:30	4.9	241	17	7.4	0
09/05/2022 15:40	4.4	257	21	6.6	0
09/05/2022 15:50	4.7	246	17	7.5	0
09/05/2022 16:00	4.4	246	18	6.5	0
09/05/2022 16:10	4.2	257	16	6.2	0
09/05/2022 16:20	4.2	247	18	6.8	0
09/05/2022 16:30	4.1	244	21	6.7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/05/2022 16:40	4.5	246	17	6.3	0
09/05/2022 16:50	4.7	242	17	6.4	0
09/05/2022 17:00	4.2	252	18	7.1	0
09/05/2022 17:10	3.8	255	21	6.3	0
09/05/2022 17:20	3.5	258	18	5.5	0
09/05/2022 17:30	4.4	254	17	6.5	0
09/05/2022 17:40	3.9	252	19	6.4	0
09/05/2022 17:50	4.1	256	19	6.2	0
09/05/2022 18:00	4.1	257	21	6.3	0
09/05/2022 18:10	4.2	251	17	7.5	0
09/05/2022 18:20	4.1	251	17	7.1	0
09/05/2022 18:30	4.9	253	18	7.4	0
09/05/2022 18:40	4.8	252	16	7.8	0
09/05/2022 18:50	4.9	254	16	7.1	0
09/05/2022 19:00	5.1	254	17	7.3	0
09/05/2022 19:10	4.5	248	17	7.3	0
09/05/2022 19:20	5.1	250	17	7.1	0
09/05/2022 19:30	4.5	251	17	6.9	0
09/05/2022 19:40	4.9	258	16	7.2	0
09/05/2022 19:50	4.2	244	16	5.9	0
09/05/2022 20:00	4.2	248	18	6.3	0
09/05/2022 20:10	3.7	243	19	5.8	0
09/05/2022 20:20	3.9	237	17	6.1	0
09/05/2022 20:30	4.1	237	16	6.4	0
09/05/2022 20:40	3.4	242	18	5.6	0
09/05/2022 20:50	4.4	239	19	6.4	0
09/05/2022 21:00	4.3	239	15	7.2	0
09/05/2022 21:10	3.2	238	19	5.2	0
09/05/2022 21:20	3.3	242	20	5.6	0
09/05/2022 21:30	3.8	238	21	5.8	0
09/05/2022 21:40	3.9	238	18	5.7	0
09/05/2022 21:50	4.1	239	18	6.8	0
09/05/2022 22:00	4	240	19	6	0
09/05/2022 22:10	3.9	236	18	5.6	0
09/05/2022 22:20	4.1	235	18	6	0
09/05/2022 22:30	3.4	238	16	5.5	0
09/05/2022 22:40	3.6	238	17	5.3	0
09/05/2022 22:50	4.3	233	18	7.1	0
09/05/2022 23:00	4.3	238	18	6.9	0
09/05/2022 23:10	3.8	240	15	6	0
09/05/2022 23:20	4.4	234	19	6.4	0
09/05/2022 23:30	3.7	241	18	5.4	0
09/05/2022 23:40	3.6	241	19	5.3	0
09/05/2022 23:50	3.5	239	16	4.9	0
09/06/2022 00:00	3.4	243	18	5.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/06/2022 00:10	3.6	240	18	5.3	0
09/06/2022 00:20	3.2	245	17	5	0
09/06/2022 00:30	3.9	243	19	6	0
09/06/2022 00:40	3.6	244	21	5.6	0
09/06/2022 00:50	3.6	244	17	5	0
09/06/2022 01:00	3.3	247	18	5.3	0
09/06/2022 01:10	3.1	249	17	4.5	0
09/06/2022 01:20	3	252	17	5.3	0
09/06/2022 01:30	3	252	18	4.4	0
09/06/2022 01:40	3.2	251	17	4.6	0
09/06/2022 01:50	3.2	248	18	4.5	0
09/06/2022 02:00	3.2	238	19	5	0
09/06/2022 02:10	3.1	240	20	5.1	0
09/06/2022 02:20	2.8	239	24	4.5	0
09/06/2022 02:30	3.1	246	21	4.8	0
09/06/2022 02:40	3.4	249	16	5.7	0
09/06/2022 02:50	3.3	254	21	4.9	0
09/06/2022 03:00	3	239	18	4.7	0
09/06/2022 03:10	3	228	17	5.1	0
09/06/2022 03:20	2.3	233	18	3.6	0
09/06/2022 03:30	2.2	244	26	4.2	0
09/06/2022 03:40	2.6	254	21	4.2	0
09/06/2022 03:50	2.6	265	18	3.9	0
09/06/2022 04:00	2.9	270	20	4.2	0
09/06/2022 04:10	2.5	279	16	3.4	0
09/06/2022 04:20	2.5	278	17	3.6	0
09/06/2022 04:30	2.3	282	18	3.2	0
09/06/2022 04:40	2.7	286	19	4.4	0
09/06/2022 04:50	2.8	280	19	4.2	0
09/06/2022 05:00	2.5	285	21	3.7	0
09/06/2022 05:10	2.8	256	15	4.1	0
09/06/2022 05:20	2.6	248	16	4	0
09/06/2022 05:30	2.6	247	19	4	0
09/06/2022 05:40	2.5	254	16	3.9	0
09/06/2022 05:50	2.6	245	17	4	0
09/06/2022 06:00	2.6	237	18	3.8	0
09/06/2022 06:10	2.9	240	17	4.8	0
09/06/2022 06:20	2.6	247	18	3.9	0
09/06/2022 06:30	2.7	246	14	4.1	0
09/06/2022 06:40	2.9	243	17	4	0
09/06/2022 06:50	3.5	220	17	4.8	0
09/06/2022 07:00	3.2	240	15	4.5	0
09/06/2022 07:10	2.5	249	16	3.6	0
09/06/2022 07:20	2.6	241	18	3.6	0
09/06/2022 07:30	3	256	18	4.4	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/06/2022 07:40	0.5	258	9	2.8	0
09/06/2022 07:50	1.3	245	14	3.9	0
09/06/2022 08:00	0.2	246	6	2.8	0
09/06/2022 08:10					0
09/06/2022 08:20	1.9	234	11	5.1	0
09/06/2022 08:30					0
09/06/2022 08:40					0
09/06/2022 08:50					0
09/06/2022 09:00					0
09/06/2022 09:10					0
09/06/2022 09:20					0
09/06/2022 09:30					0
09/06/2022 09:40	0.2	191	1	4.9	0
09/06/2022 09:50	1.8	194	14	4.4	0
09/06/2022 10:00	0.7	201	9	3.8	0
09/06/2022 10:10	0.3	186	9	3.4	0
09/06/2022 10:20					0
09/06/2022 10:30					0
09/06/2022 10:40					0
09/06/2022 10:50					0
09/06/2022 11:00					0
09/06/2022 11:10					0
09/06/2022 11:20					0
09/06/2022 11:30					0
09/06/2022 11:40					0
09/06/2022 11:50					0
09/06/2022 12:00					0
09/06/2022 12:10					0
09/06/2022 12:20					0
09/06/2022 12:30					0
09/06/2022 12:40	1.8	245	13	5.2	0
09/06/2022 12:50	1.1	253	7	5.5	0
09/06/2022 13:00	0	266	0	0.4	0
09/06/2022 13:10	0	233	0	0.4	0
09/06/2022 13:20	2.5	262	17	6.1	0
09/06/2022 13:30	1.7	265	12	4.7	0
09/06/2022 13:40	0	282	0	0.4	0
09/06/2022 13:50	0	267	2	0.8	0
09/06/2022 14:00	0.1	244	5	2.4	0
09/06/2022 14:10					0
09/06/2022 14:20					0
09/06/2022 14:30					0
09/06/2022 14:40	0.3	265	4	4.9	0
09/06/2022 14:50	0.3	246	2	2.4	0
09/06/2022 15:00	0.3	258	8	3.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/06/2022 15:10	3.5	250	12	8.3	0
09/06/2022 15:20	5.3	247	16	8.5	0
09/06/2022 15:30	5.2	250	22	7.9	0
09/06/2022 15:40	6	247	17	8.4	0
09/06/2022 15:50	5.1	256	17	7.9	0
09/06/2022 16:00	5.4	256	18	8.4	0
09/06/2022 16:10	4.8	262	23	7.5	0
09/06/2022 16:20	6	250	20	8.7	0
09/06/2022 16:30	5	250	17	8.6	0
09/06/2022 16:40	5.2	254	20	7.7	0
09/06/2022 16:50	5.7	251	18	7.6	0
09/06/2022 17:00	5.1	254	15	7.9	0
09/06/2022 17:10	5.3	252	15	7.8	0
09/06/2022 17:20	4.8	257	17	7.8	0
09/06/2022 17:30	4.1	253	20	6.2	0
09/06/2022 17:40	4.5	254	18	6.8	0
09/06/2022 17:50	4.9	254	15	6.8	0
09/06/2022 18:00	4.6	251	17	6.8	0
09/06/2022 18:10	5.3	252	13	7.6	0
09/06/2022 18:20	4.4	250	15	6.2	0
09/06/2022 18:30	4.5	253	18	6.5	0
09/06/2022 18:40	4.7	249	16	7.2	0
09/06/2022 18:50	5.1	252	15	7.5	0
09/06/2022 19:00	4.5	254	18	6.7	0
09/06/2022 19:10	4.2	251	17	6.2	0
09/06/2022 19:20	4.4	249	18	6.4	0
09/06/2022 19:30	4.5	252	17	6	0
09/06/2022 19:40	4.4	250	15	6	0
09/06/2022 19:50	3.6	244	18	5.6	0
09/06/2022 20:00	3.2	243	18	4.8	0
09/06/2022 20:10	3.2	244	17	4.7	0
09/06/2022 20:20	2.9	244	16	4.8	0
09/06/2022 20:30	2.6	245	16	3.9	0
09/06/2022 20:40	2.5	250	15	4.2	0
09/06/2022 20:50	2.5	251	16	4.2	0
09/06/2022 21:00	2.9	248	16	4.4	0
09/06/2022 21:10	2.7	243	17	4.2	0
09/06/2022 21:20	3.1	242	14	4.3	0
09/06/2022 21:30	2.8	247	14	4	0
09/06/2022 21:40	3.1	246	17	4.6	0
09/06/2022 21:50	2.5	237	18	3.6	0
09/06/2022 22:00	2.8	250	17	4.1	0
09/06/2022 22:10	2.7	249	16	4.3	0
09/06/2022 22:20	3	249	16	4	0
09/06/2022 22:30	2.6	259	16	3.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/06/2022 22:40	2.4	264	16	3.4	0
09/06/2022 22:50	2.2	252	17	3.9	0
09/06/2022 23:00	2.9	245	16	4.1	0
09/06/2022 23:10	3.1	246	16	4.1	0
09/06/2022 23:20	2.9	253	16	4.1	0
09/06/2022 23:30	2.6	251	18	4	0
09/06/2022 23:40	2.7	252	15	4.2	0
09/06/2022 23:50	2.7	252	16	3.7	0
09/07/2022 00:00	2.5	259	17	3.5	0
09/07/2022 00:10	2	245	21	3.2	0
09/07/2022 00:20	2.3	258	15	3.2	0
09/07/2022 00:30	2.6	258	13	3.5	0
09/07/2022 00:40	2.1	247	21	3.3	0
09/07/2022 00:50	2.5	235	21	4	0
09/07/2022 01:00	2.5	239	23	4	0
09/07/2022 01:10	1.9	240	23	3	0
09/07/2022 01:20	2.9	237	20	4	0
09/07/2022 01:30	2.8	237	18	4.3	0
09/07/2022 01:40	2.8	232	19	4.7	0
09/07/2022 01:50	2.2	234	21	3.3	0
09/07/2022 02:00	2.5	236	19	3.8	0
09/07/2022 02:10	2	237	19	3.2	0
09/07/2022 02:20	2.3	215	24	3.8	0
09/07/2022 02:30	1.9	200	18	3.3	0
09/07/2022 02:40	2.4	195	16	3.9	0
09/07/2022 02:50	2.8	191	14	4.5	0
09/07/2022 03:00	2.5	190	19	3.7	0
09/07/2022 03:10	2.5	193	14	3.7	0
09/07/2022 03:20	2.5	197	19	4	0
09/07/2022 03:30	2.5	195	15	4	0
09/07/2022 03:40	1.7	218	23	2.9	0
09/07/2022 03:50	1.7	209	28	2.5	0
09/07/2022 04:00	1.8	202	18	2.6	0
09/07/2022 04:10	1.9	203	15	2.7	0
09/07/2022 04:20	2.1	204	12	3.2	0
09/07/2022 04:30	1.8	202	15	2.8	0
09/07/2022 04:40	2	206	15	2.9	0
09/07/2022 04:50	1.7	204	16	2.2	0
09/07/2022 05:00	1.9	206	17	2.8	0
09/07/2022 05:10	2.1	210	12	2.9	0
09/07/2022 05:20	2.1	200	15	3.1	0
09/07/2022 05:30	2.1	209	12	3.2	0
09/07/2022 05:40	2.2	208	12	3.2	0
09/07/2022 05:50	1.9	209	12	2.7	0
09/07/2022 06:00	2	207	11	3	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/07/2022 06:10	1.9	209	9	2.6	0
09/07/2022 06:20	0.7	183	28	1.6	0
09/07/2022 06:30	0.5	209	32	1	0
09/07/2022 06:40	0.3	258	53	0.9	0
09/07/2022 06:50	0.7	188	30	1.6	0
09/07/2022 07:00					0
09/07/2022 07:10					0
09/07/2022 07:20					0
09/07/2022 07:30					0
09/07/2022 07:40					0
09/07/2022 07:50					0
09/07/2022 08:00					0
09/07/2022 08:10					0
09/07/2022 08:20					0
09/07/2022 08:30					0
09/07/2022 08:40					0
09/07/2022 08:50					0
09/07/2022 09:00	0	185	0	0.4	0
09/07/2022 09:10					0
09/07/2022 09:20	1.1	166	18	4	0
09/07/2022 09:30	0.6	152	17	4.3	0
09/07/2022 09:40	0	137	4	1.2	0
09/07/2022 09:50	2.6	169	21	4.7	0
09/07/2022 10:00	0.9	133	19	3.6	0
09/07/2022 10:10	1.3	153	18	4	0
09/07/2022 10:20	1.9	138	28	3.3	0
09/07/2022 10:30	0.3	126	14	2.2	0
09/07/2022 10:40					0
09/07/2022 10:50					0
09/07/2022 11:00					0
09/07/2022 11:10					0
09/07/2022 11:20					0
09/07/2022 11:30					0
09/07/2022 11:40					0
09/07/2022 11:50					0
09/07/2022 12:00					0
09/07/2022 12:10					0
09/07/2022 12:20					0
09/07/2022 12:30					0
09/07/2022 12:40					0
09/07/2022 12:50					0
09/07/2022 13:00					0
09/07/2022 13:10					0
09/07/2022 13:20	0.1	257	4	2.7	0
09/07/2022 13:30	0.3	356	35	2	0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/07/2022 13:40					0
09/07/2022 13:50					0
09/07/2022 14:00					0
09/07/2022 14:10					0
09/07/2022 14:20					0
09/07/2022 14:30					0
09/07/2022 14:40					0
09/07/2022 14:50					0
09/07/2022 15:00					0
09/07/2022 15:10					0
09/07/2022 15:20					0
09/07/2022 15:30					0
09/07/2022 15:40					0
09/07/2022 15:50					0
09/07/2022 16:00					0
09/07/2022 16:10					0
09/07/2022 16:20					0
09/07/2022 16:30					0
09/07/2022 16:40					0
09/07/2022 16:50					0
09/07/2022 17:00					0
09/07/2022 17:10	1.7	325	21	3.9	0
09/07/2022 17:20	2.4	335	33	4.2	0
09/07/2022 17:30	2.6	329	31	4.9	0
09/07/2022 17:40	2.1	327	32	3.7	0
09/07/2022 17:50	2.1	320	41	3.7	0
09/07/2022 18:00	1.8	318	40	3.4	0
09/07/2022 18:10	1.7	328	41	2.9	0
09/07/2022 18:20	1.5	297	54	3.1	0
09/07/2022 18:30	1.5	293	38	2.4	0
09/07/2022 18:40	1.5	296	50	2.7	0
09/07/2022 18:50	1.4	294	44	2.5	0
09/07/2022 19:00	1.5	290	43	2.7	0
09/07/2022 19:10	1.8	264	36	3.2	0
09/07/2022 19:20	1.5	271	32	2.7	0
09/07/2022 19:30	1.9	258	20	3.7	0
09/07/2022 19:40	2.3	254	14	3.4	0
09/07/2022 19:50	2.2	260	23	3.6	0
09/07/2022 20:00	1.8	268	25	3.1	0
09/07/2022 20:10	2.4	254	15	3.5	0
09/07/2022 20:20	2.1	259	19	3.4	0
09/07/2022 20:30	2.1	257	18	3.4	0
09/07/2022 20:40	1.9	266	19	3	0
09/07/2022 20:50	2.4	258	18	3.6	0
09/07/2022 21:00	2.5	257	18	3.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/07/2022 21:10	2.5	257	15	3.6	0
09/07/2022 21:20	2.5	255	15	4	0
09/07/2022 21:30	2.4	255	18	4.2	0
09/07/2022 21:40	2.3	259	16	3.5	0
09/07/2022 21:50	2.3	257	18	3.5	0
09/07/2022 22:00	2.3	255	15	3.3	0
09/07/2022 22:10	2.5	258	17	4.3	0
09/07/2022 22:20	3	256	16	4.8	0
09/07/2022 22:30	2.4	259	15	3.5	0
09/07/2022 22:40	2.6	260	15	3.7	0
09/07/2022 22:50	2.4	261	16	3.5	0
09/07/2022 23:00	1.8	257	16	3	0
09/07/2022 23:10	2	256	16	3.5	0
09/07/2022 23:20	2.2	254	14	3.2	0
09/07/2022 23:30	2.3	251	18	3.9	0
09/07/2022 23:40	2.1	256	12	2.9	0
09/07/2022 23:50	2.3	257	16	3.5	0
09/08/2022 00:00	2.4	254	16	3.6	0
09/08/2022 00:10	2.9	255	14	4.1	0
09/08/2022 00:20	3.6	253	13	4.9	0
09/08/2022 00:30	3.5	251	18	5.5	0
09/08/2022 00:40	3.6	258	15	5.1	0
09/08/2022 00:50	3	258	14	4.4	0
09/08/2022 01:00	3.4	254	15	4.6	0
09/08/2022 01:10	3	257	16	5	0
09/08/2022 01:20	2.9	257	16	4.3	0
09/08/2022 01:30	2.8	259	18	4.6	0
09/08/2022 01:40	2.8	257	14	4.5	0
09/08/2022 01:50	2.5	258	15	3.8	0
09/08/2022 02:00	2.5	257	13	4	0
09/08/2022 02:10	2.7	255	15	3.9	0
09/08/2022 02:20	2.6	245	14	3.7	0
09/08/2022 02:30	2.2	249	17	3.1	0
09/08/2022 02:40	1.9	264	14	2.9	0
09/08/2022 02:50	2.1	268	15	2.8	0
09/08/2022 03:00	2.1	264	15	3	0
09/08/2022 03:10	1.8	265	13	2.4	0
09/08/2022 03:20	1.9	258	13	2.4	0
09/08/2022 03:30	1.5	258	15	2.2	0
09/08/2022 03:40	1.2	262	17	1.7	0
09/08/2022 03:50	1.3	269	16	2.2	0
09/08/2022 04:00	1.2	247	16	2	0
09/08/2022 04:10	1.4	247	13	2	0
09/08/2022 04:20	1.4	260	12	2	0
09/08/2022 04:30	1.4	266	20	2.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/08/2022 04:40	0.9	281	22	1.2	0
09/08/2022 04:50	0.8	160	26	1.2	0
09/08/2022 05:00	0.7	48	16	1.2	0
09/08/2022 05:10	0.8	48	21	1.6	0
09/08/2022 05:20	1.1	36	19	1.6	0
09/08/2022 05:30	1.2	24	18	2	0
09/08/2022 05:40	0.8	15	25	1.2	0
09/08/2022 05:50	0.6	194	16	1.2	0
09/08/2022 06:00	0.5	193	19	1.2	0
09/08/2022 06:10	0.8	26	21	1.2	0
09/08/2022 06:20	0.8	31	21	1.2	0
09/08/2022 06:30	0.8	29	22	1.6	0
09/08/2022 06:40	0.4	34	23	0.9	0
09/08/2022 06:50	0.8	92	23	1.5	0
09/08/2022 07:00	1.1	120	30	2	0
09/08/2022 07:10	0.2	111	20	2	0
09/08/2022 07:20					0
09/08/2022 07:30					0
09/08/2022 07:40					0
09/08/2022 07:50					0
09/08/2022 08:00					0
09/08/2022 08:10					0
09/08/2022 08:20					0
09/08/2022 08:30	0.1	116	4	1.7	0
09/08/2022 08:40	0.2	138	15	2.7	0
09/08/2022 08:50					0
09/08/2022 09:00	0.7	124	17	2.5	0
09/08/2022 09:10	0.2	140	8	2	0
09/08/2022 09:20	0.5	107	14	2.7	0
09/08/2022 09:30	0.8	104	25	2	0
09/08/2022 09:40	1	116	25	2	0
09/08/2022 09:50	1.1	116	27	2.4	0
09/08/2022 10:00	0.4	127	13	2.2	0
09/08/2022 10:10	1.3	127	24	3.1	0
09/08/2022 10:20	0.4	88	10	2.7	0
09/08/2022 10:30	1.3	99	17	3.4	0
09/08/2022 10:40	2.2	95	25	3.5	0
09/08/2022 10:50	2	79	20	3.4	0
09/08/2022 11:00	2	86	24	3.3	0
09/08/2022 11:10	2.1	93	28	3.4	0
09/08/2022 11:20	2	80	22	3.2	0
09/08/2022 11:30	2	96	30	3.5	0
09/08/2022 11:40	2.1	69	26	3.7	0
09/08/2022 11:50	2.2	65	27	3.8	0
09/08/2022 12:00	2.1	68	23	4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/08/2022 12:10	2.5	55	24	3.9	0
09/08/2022 12:20	2.6	53	21	4.1	0
09/08/2022 12:30	2.4	64	23	4.2	0
09/08/2022 12:40	2.7	66	23	4.4	0
09/08/2022 12:50	2.7	66	22	4	0
09/08/2022 13:00	2.6	71	23	4.6	0
09/08/2022 13:10	2.7	59	19	4.1	0
09/08/2022 13:20	2.3	67	26	4.2	0
09/08/2022 13:30	2.4	62	24	4	0
09/08/2022 13:40	2.5	63	24	4	0
09/08/2022 13:50	2.8	67	20	4.1	0
09/08/2022 14:00	2.6	66	29	4.5	0
09/08/2022 14:10	2.7	67	24	4.1	0
09/08/2022 14:20	2.6	71	19	4.2	0
09/08/2022 14:30	2.5	66	23	4	0
09/08/2022 14:40	2.4	71	19	3.6	0
09/08/2022 14:50	2.3	67	29	3.8	0
09/08/2022 15:00	2.4	76	20	3.8	0
09/08/2022 15:10	2.4	76	21	3.6	0
09/08/2022 15:20	2.2	72	25	3.2	0
09/08/2022 15:30	1.9	72	27	2.8	0
09/08/2022 15:40	1.8	69	29	2.9	0
09/08/2022 15:50	1.7	61	34	2.8	0
09/08/2022 16:00	1.9	69	24	3	0
09/08/2022 16:10	1.9	61	28	3.2	0
09/08/2022 16:20	2	61	35	4.1	0
09/08/2022 16:30	1.5	40	46	2.7	0
09/08/2022 16:40	1.4	188	58	2.9	0
09/08/2022 16:50	1.6	200	32	2.4	0
09/08/2022 17:00	1.6	21	27	2.8	0
09/08/2022 17:10	1.9	30	29	3	0
09/08/2022 17:20	1.9	14	35	3	0
09/08/2022 17:30	1.7	13	31	2.8	0
09/08/2022 17:40	1.7	15	36	3.3	0
09/08/2022 17:50	1.7	184	35	2.8	0
09/08/2022 18:00	1.4	27	35	2.5	0
09/08/2022 18:10	1.8	15	26	2.8	0
09/08/2022 18:20	1.4	26	30	2.4	0
09/08/2022 18:30	1.3	21	30	2.1	0
09/08/2022 18:40	1.3	344	38	2.2	0
09/08/2022 18:50	1.1	291	52	2.1	0
09/08/2022 19:00	1.6	304	44	3.1	0
09/08/2022 19:10	1.4	283	42	2.5	0
09/08/2022 19:20	1.5	311	30	2.8	0
09/08/2022 19:30	1.4	316	41	2.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/08/2022 19:40	1.1	300	50	2.8	0
09/08/2022 19:50	1.6	303	36	2.9	0
09/08/2022 20:00	1.8	321	27	3	0
09/08/2022 20:10	1.9	316	29	3.3	0
09/08/2022 20:20	1.6	289	39	3.2	0
09/08/2022 20:30	1.5	297	42	2.8	0
09/08/2022 20:40	1.4	287	48	2.4	0
09/08/2022 20:50	1.5	309	36	2.5	0
09/08/2022 21:00	1.2	293	49	2.5	0
09/08/2022 21:10	1.4	295	45	2.8	0
09/08/2022 21:20	1.4	273	36	2.9	0
09/08/2022 21:30	1.4	295	37	2.6	0
09/08/2022 21:40	1.5	285	24	2.8	0
09/08/2022 21:50	2	255	16	2.8	0
09/08/2022 22:00	2	255	18	3	0
09/08/2022 22:10	2	259	18	3	0
09/08/2022 22:20	1.8	255	17	2.8	0
09/08/2022 22:30	1.7	259	21	2.7	0
09/08/2022 22:40	1.4	260	22	2.1	0
09/08/2022 22:50	1.6	256	23	2.7	0
09/08/2022 23:00	1.5	259	20	2.4	0
09/08/2022 23:10	1.5	256	18	2.1	0
09/08/2022 23:20	1.5	253	18	2.1	0
09/08/2022 23:30	1.2	264	20	1.9	0
09/08/2022 23:40	0.7	283	47	1.7	0
09/08/2022 23:50	1.1	262	29	1.7	0
09/09/2022 00:00	1.2	261	21	2.2	0
09/09/2022 00:10	0.9	266	31	1.6	0
09/09/2022 00:20	1	272	39	1.8	0
09/09/2022 00:30	1.2	259	28	2.2	0
09/09/2022 00:40	1.2	262	27	1.9	0
09/09/2022 00:50	1.7	259	21	2.6	0
09/09/2022 01:00	1.5	265	26	2.6	0
09/09/2022 01:10	1.2	263	33	2.4	0
09/09/2022 01:20	1.3	265	29	2.4	0
09/09/2022 01:30	1.3	258	23	2.3	0
09/09/2022 01:40	1.5	274	27	2.5	0
09/09/2022 01:50	1.7	259	21	2.5	0
09/09/2022 02:00	1.8	259	22	3.1	0
09/09/2022 02:10	1.9	259	23	3.2	0
09/09/2022 02:20	2	258	20	3.2	0
09/09/2022 02:30	2	257	18	3.1	0
09/09/2022 02:40	1.5	267	23	2.5	0
09/09/2022 02:50	1.4	265	25	2.6	0
09/09/2022 03:00	1.2	268	24	2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/09/2022 03:10	1.3	262	25	2.6	0
09/09/2022 03:20	1.2	266	20	2	0
09/09/2022 03:30	1.1	278	24	2.1	0
09/09/2022 03:40	1.5	271	20	2.7	0
09/09/2022 03:50	2.1	254	18	3.2	0
09/09/2022 04:00	2.2	250	18	3	0
09/09/2022 04:10	2.4	251	16	3.6	0
09/09/2022 04:20	2.3	260	15	4.2	0
09/09/2022 04:30	1.9	264	26	3	0
09/09/2022 04:40	2	266	21	2.9	0
09/09/2022 04:50	2.3	258	20	3.4	0
09/09/2022 05:00	1.8	254	22	3.3	0
09/09/2022 05:10	1.9	256	17	3.2	0
09/09/2022 05:20	1.2	250	30	2.3	0
09/09/2022 05:30	0.8	281	16	1.1	0
09/09/2022 05:40	1	276	16	1.6	0
09/09/2022 05:50	0.9	287	16	1.4	0
09/09/2022 06:00	0.7	246	21	1.2	0
09/09/2022 06:10	0.7	244	16	1.1	0
09/09/2022 06:20	0.9	257	18	1.3	0
09/09/2022 06:30	1.1	246	10	1.5	0
09/09/2022 06:40	1.5	224	12	2	0
09/09/2022 06:50	1.4	203	18	2	0
09/09/2022 07:00	1	220	19	1.6	0
09/09/2022 07:10	1.2	250	20	1.7	0
09/09/2022 07:20	0.4	180	30	0.8	0
09/09/2022 07:30	0.6	95	22	1	0
09/09/2022 07:40	0.8	94	21	1.5	0
09/09/2022 07:50	1	128	28	2	0
09/09/2022 08:00	0.2	129	7	1.9	0
09/09/2022 08:10	1	125	25	2	0
09/09/2022 08:20	1.1	164	36	2.2	0
09/09/2022 08:30	1.6	219	47	2.4	0
09/09/2022 08:40	1.1	121	49	1.9	0
09/09/2022 08:50	0.8	285	58	1.8	0
09/09/2022 09:00	1.1	211	30	2.1	0
09/09/2022 09:10	0.7	236	37	1.3	0
09/09/2022 09:20	0.6	155	52	1.1	0
09/09/2022 09:30	0.9	112	53	1.4	0
09/09/2022 09:40	1.4	290	47	2.4	0
09/09/2022 09:50	2.2	242	18	3.3	0
09/09/2022 10:00	2	251	26	3.2	0
09/09/2022 10:10	1.5	310	37	2.8	0
09/09/2022 10:20	1.7	295	30	3.2	0
09/09/2022 10:30	1.8	320	30	3.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/09/2022 10:40	1.8	297	35	2.9	0
09/09/2022 10:50	1.5	290	30	3.9	0
09/09/2022 11:00	2.1	285	45	3.9	0
09/09/2022 11:10	2.1	304	39	3.8	0
09/09/2022 11:20	1.8	270	43	4	0
09/09/2022 11:30	1.3	293	31	3.3	0
09/09/2022 11:40	0.4	288	18	2.5	0
09/09/2022 11:50	0.8	295	26	3.3	0
09/09/2022 12:00	2.1	263	41	3.5	0
09/09/2022 12:10	2.5	247	25	4.4	0
09/09/2022 12:20	2.8	242	22	4.3	0
09/09/2022 12:30	2.6	245	27	4	0
09/09/2022 12:40	2.8	237	19	4.1	0
09/09/2022 12:50	2.8	254	21	4.8	0
09/09/2022 13:00	3.1	241	19	4.4	0
09/09/2022 13:10	2.9	251	22	4.4	0
09/09/2022 13:20	2.6	254	29	5	0
09/09/2022 13:30	3	248	28	5.6	0
09/09/2022 13:40	3.3	240	21	5	0
09/09/2022 13:50	3.1	257	29	5.6	0
09/09/2022 14:00	3.6	242	24	5.2	0
09/09/2022 14:10	3.6	235	18	5.2	0
09/09/2022 14:20	3.9	241	17	5.9	0
09/09/2022 14:30	4.1	237	16	5.6	0
09/09/2022 14:40	3.8	249	16	5.2	0
09/09/2022 14:50	3.9	240	17	5.3	0
09/09/2022 15:00	4	238	15	5.6	0
09/09/2022 15:10	4.1	242	18	6.5	0
09/09/2022 15:20	4.4	246	17	6	0
09/09/2022 15:30	4.4	241	16	6.1	0
09/09/2022 15:40	4	239	18	6.6	0
09/09/2022 15:50	4.1	235	16	6	0
09/09/2022 16:00	3.8	242	16	5.6	0
09/09/2022 16:10	3.8	245	17	5.5	0
09/09/2022 16:20	4.1	244	17	5.7	0
09/09/2022 16:30	3.8	246	17	5.8	0
09/09/2022 16:40	3.9	240	18	5.6	0
09/09/2022 16:50	4.2	244	17	7	0
09/09/2022 17:00	3.8	248	18	5.9	0
09/09/2022 17:10	3.9	246	20	5.7	0
09/09/2022 17:20	4.7	245	17	6.4	0
09/09/2022 17:30	4.1	248	17	6.1	0
09/09/2022 17:40	3.7	250	15	5.4	0
09/09/2022 17:50	3.9	248	15	5.2	0
09/09/2022 18:00	3.5	248	17	5.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/09/2022 18:10	3.7	246	17	6	0
09/09/2022 18:20	3.4	247	17	5.3	0
09/09/2022 18:30	3.6	249	17	5.6	0
09/09/2022 18:40	4	243	18	5.6	0
09/09/2022 18:50	3.8	248	16	5.4	0
09/09/2022 19:00	3.2	247	16	4.9	0
09/09/2022 19:10	3.2	250	18	4.8	0
09/09/2022 19:20	3.1	248	18	4.6	0
09/09/2022 19:30	2.9	252	20	4.4	0
09/09/2022 19:40	2.6	255	20	4.3	0
09/09/2022 19:50	3	259	19	4.5	0
09/09/2022 20:00	4.5	248	15	6.3	0
09/09/2022 20:10	3.6	252	18	5.4	0
09/09/2022 20:20	4.3	249	18	6.8	0
09/09/2022 20:30	3.5	252	17	5.2	0
09/09/2022 20:40	3.9	252	17	5.6	0
09/09/2022 20:50	3.7	252	18	5.6	0
09/09/2022 21:00	4.4	249	16	6.8	0
09/09/2022 21:10	4.5	255	14	6.9	0
09/09/2022 21:20	4.1	251	18	5.8	0
09/09/2022 21:30	3.9	251	19	5.4	0
09/09/2022 21:40	3.9	257	18	6.8	0
09/09/2022 21:50	3.9	248	16	6.2	0
09/09/2022 22:00	3.4	247	19	6	0
09/09/2022 22:10	3.4	255	20	5.4	0
09/09/2022 22:20	3.8	252	15	5.5	0
09/09/2022 22:30	3.7	255	14	4.9	0
09/09/2022 22:40	3.2	252	17	5	0
09/09/2022 22:50	2.5	247	19	4	0
09/09/2022 23:00	2.8	242	21	4.8	0
09/09/2022 23:10	2.8	242	20	4.3	0
09/09/2022 23:20	2.1	241	17	3.2	0
09/09/2022 23:30	2.3	241	14	3.2	0
09/09/2022 23:40	2.2	233	17	3.1	0
09/09/2022 23:50	2.1	235	18	3.2	0
09/10/2022 00:00	2	243	17	2.9	0
09/10/2022 00:10	1.8	246	16	2.8	0
09/10/2022 00:20	2.1	238	15	3.2	0
09/10/2022 00:30	2.3	234	21	3.6	0
09/10/2022 00:40	2.4	232	17	3.6	0
09/10/2022 00:50	2.2	237	16	3.6	0
09/10/2022 01:00	2.7	232	17	3.7	0
09/10/2022 01:10	2.5	239	19	3.6	0
09/10/2022 01:20	2.9	241	17	4.3	0
09/10/2022 01:30	3.1	243	18	4.8	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/10/2022 01:40	3.1	244	17	5.2	0
09/10/2022 01:50	2.8	238	21	4.6	0
09/10/2022 02:00	3.4	241	20	4.8	0
09/10/2022 02:10	3.7	238	20	5.9	0
09/10/2022 02:20	3.9	240	17	5.7	0
09/10/2022 02:30	4.3	237	18	6.5	0
09/10/2022 02:40	4.2	240	16	6.5	0
09/10/2022 02:50	4.1	240	16	6	0
09/10/2022 03:00	3.5	238	17	5.6	0
09/10/2022 03:10	3.6	238	19	5.3	0
09/10/2022 03:20	3.4	233	17	5.2	0
09/10/2022 03:30	3.9	239	14	5.6	0
09/10/2022 03:40	3.8	235	16	5.9	0
09/10/2022 03:50	3.6	237	20	5.3	0
09/10/2022 04:00	3.3	231	21	5.2	0
09/10/2022 04:10	3.4	236	19	5.4	0
09/10/2022 04:20	3.5	235	16	5.5	0
09/10/2022 04:30	3.1	241	19	4.6	0
09/10/2022 04:40	2.8	241	18	4.2	0
09/10/2022 04:50	3.2	240	16	4.4	0
09/10/2022 05:00	2.7	240	19	3.9	0
09/10/2022 05:10	2.9	239	16	4.2	0
09/10/2022 05:20	3.1	237	15	4.5	0
09/10/2022 05:30	2.9	244	20	4.3	0
09/10/2022 05:40	3	248	17	4.3	0
09/10/2022 05:50	2.9	243	17	4	0
09/10/2022 06:00	2.5	243	21	3.8	0
09/10/2022 06:10	2.3	244	19	3.7	0
09/10/2022 06:20	2	243	22	3.4	0
09/10/2022 06:30	2.4	249	15	3.7	0
09/10/2022 06:40	2.7	255	18	3.8	0
09/10/2022 06:50	2.7	256	16	3.7	0
09/10/2022 07:00	2.5	245	19	4	0
09/10/2022 07:10	2.6	229	23	4.3	0
09/10/2022 07:20	2.9	223	18	4.2	0
09/10/2022 07:30	3	227	18	4.6	0
09/10/2022 07:40	3.2	223	15	4.5	0
09/10/2022 07:50	1.8	223	9	4.5	0
09/10/2022 08:00					0
09/10/2022 08:10	1.1	188	8	4.6	0
09/10/2022 08:20					0
09/10/2022 08:30	0.3	197	5	3.2	0
09/10/2022 08:40	0.3	203	2	4.3	0
09/10/2022 08:50	0.1	231	1	2.7	0
09/10/2022 09:00					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/10/2022 09:10					0
09/10/2022 09:20	0.9	188	7	5.2	0
09/10/2022 09:30	0.2	201	4	3.6	0
09/10/2022 09:40	1.7	195	10	5.2	0
09/10/2022 09:50					0
09/10/2022 10:00					0
09/10/2022 10:10	3.2	215	19	5.9	0
09/10/2022 10:20	4	240	21	6.1	0
09/10/2022 10:30	4.3	214	15	6.1	0
09/10/2022 10:40	4	221	22	6.4	0
09/10/2022 10:50	0.8	245	14	4.4	0
09/10/2022 11:00	0.1	297	4	1.9	0
09/10/2022 11:10	1.5	265	12	4.2	0
09/10/2022 11:20	1.5	259	15	4.8	0
09/10/2022 11:30	1.7	251	10	3	0
09/10/2022 11:40	1.4	255	13	5.4	0
09/10/2022 11:50	0.1	246	2	2.7	0
09/10/2022 12:00					0
09/10/2022 12:10	1	259	13	5.2	0
09/10/2022 12:20					0
09/10/2022 12:30	0.4	259	10	4.6	0
09/10/2022 12:40	2.3	245	13	5.9	0
09/10/2022 12:50	3.4	242	12	6.8	0
09/10/2022 13:00	2.2	248	13	6	0
09/10/2022 13:10	0.3	243	6	2.5	0
09/10/2022 13:20	0.1	256	3	1.9	0
09/10/2022 13:30	2.9	252	18	6.4	0
09/10/2022 13:40	1.8	248	12	5.6	0
09/10/2022 13:50	1.8	248	10	4.5	0
09/10/2022 14:00	0	226	0	0.4	0
09/10/2022 14:10	0	247	0	0.6	0
09/10/2022 14:20	0.1	256	4	3.6	0
09/10/2022 14:30	0.3	253	6	4.4	0
09/10/2022 14:40					0
09/10/2022 14:50					0
09/10/2022 15:00					0
09/10/2022 15:10	0	248	0	0.6	0
09/10/2022 15:20					0
09/10/2022 15:30					0
09/10/2022 15:40					0
09/10/2022 15:50					0
09/10/2022 16:00	1.4	244	10	4.7	0
09/10/2022 16:10	4.5	251	18	6.5	0
09/10/2022 16:20	4	250	18	6	0
09/10/2022 16:30	4.2	250	14	6.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/10/2022 16:40	4.1	255	19	5.9	0
09/10/2022 16:50	4.7	249	17	6.8	0
09/10/2022 17:00	4.9	248	14	6.8	0
09/10/2022 17:10	5.3	247	14	7	0
09/10/2022 17:20	4.8	245	16	7.1	0
09/10/2022 17:30	4.5	244	17	6.7	0
09/10/2022 17:40	4.6	248	15	6.4	0
09/10/2022 17:50	4.3	247	16	6.2	0
09/10/2022 18:00	4.3	254	16	6.4	0
09/10/2022 18:10	5	251	15	7.3	0
09/10/2022 18:20	4.1	252	14	6	0
09/10/2022 18:30	5.2	251	16	7.6	0
09/10/2022 18:40	4.8	249	15	6.8	0
09/10/2022 18:50	3.9	254	15	5.6	0
09/10/2022 19:00	4	257	17	6.2	0
09/10/2022 19:10	4.1	251	16	6.1	0
09/10/2022 19:20	4.4	254	17	6	0
09/10/2022 19:30	4.3	251	14	6.1	0
09/10/2022 19:40	4.2	251	13	6.2	0
09/10/2022 19:50	4.3	252	15	5.6	0
09/10/2022 20:00	4.5	249	18	6.3	0
09/10/2022 20:10	4	247	17	6	0
09/10/2022 20:20	4	254	16	5.5	0
09/10/2022 20:30	4.1	250	15	6	0
09/10/2022 20:40	4.4	254	16	5.7	0
09/10/2022 20:50	4.5	252	15	6.3	0
09/10/2022 21:00	4.1	251	17	6.1	0
09/10/2022 21:10	3.9	244	18	6	0
09/10/2022 21:20	3.9	253	14	5.7	0
09/10/2022 21:30	3.5	249	16	5.6	0
09/10/2022 21:40	3.9	250	16	5.3	0
09/10/2022 21:50	4.1	254	15	5.9	0
09/10/2022 22:00	4.4	252	15	6.4	0
09/10/2022 22:10	3.5	246	19	5.4	0
09/10/2022 22:20	3.9	243	20	7	0
09/10/2022 22:30	4.1	241	16	6.3	0
09/10/2022 22:40	4	243	16	6	0
09/10/2022 22:50	3.7	248	19	5.2	0
09/10/2022 23:00	3.5	256	17	5.2	0
09/10/2022 23:10	3.4	253	19	5	0
09/10/2022 23:20	3.4	253	17	5	0
09/10/2022 23:30	3.4	260	15	4.8	0
09/10/2022 23:40	3.3	261	14	4.8	0
09/10/2022 23:50	2.9	260	15	4	0
09/11/2022 00:00	2.9	264	18	4.2	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/11/2022 00:10	2.6	269	16	4	0
09/11/2022 00:20	2.7	257	17	3.8	0
09/11/2022 00:30	2.9	257	14	4	0
09/11/2022 00:40	2.6	259	17	3.9	0
09/11/2022 00:50	2	254	18	2.9	0
09/11/2022 01:00	1.9	246	17	2.7	0
09/11/2022 01:10	2.2	243	12	3.3	0
09/11/2022 01:20	2.2	256	14	3.1	0
09/11/2022 01:30	2.1	261	14	2.8	0
09/11/2022 01:40	2.5	270	18	3.7	0
09/11/2022 01:50	2.2	268	17	3.2	0
09/11/2022 02:00	2.1	269	15	3	0
09/11/2022 02:10	2.2	270	15	3	0
09/11/2022 02:20	1.6	266	19	2.5	0
09/11/2022 02:30	1.4	289	20	2	0
09/11/2022 02:40	1.4	300	20	2.2	0
09/11/2022 02:50	1.4	261	30	2.2	0
09/11/2022 03:00	1.3	208	17	2.2	0
09/11/2022 03:10	1.4	251	15	1.8	0
09/11/2022 03:20	1	251	16	1.4	0
09/11/2022 03:30	1.3	245	18	2.1	0
09/11/2022 03:40	0.9	171	29	1.7	0
09/11/2022 03:50	0.3	264	21	0.8	0
09/11/2022 04:00	0.1	177	14	0.6	0
09/11/2022 04:10	0.3	55	27	0.7	0
09/11/2022 04:20	0.4	35	24	0.8	0
09/11/2022 04:30	0.1	170	5	0.5	0
09/11/2022 04:40	0.3	133	39	0.9	0
09/11/2022 04:50	0.7	125	21	1.3	0
09/11/2022 05:00	0.6	219	23	1.2	0
09/11/2022 05:10	0.3	179	32	1	0
09/11/2022 05:20	0.1	138	17	0.6	0
09/11/2022 05:30	0.6	338	20	0.8	0
09/11/2022 05:40	0.8	291	39	1.4	0
09/11/2022 05:50	0.5	297	49	1	0
09/11/2022 06:00	0.7	210	39	1.1	0
09/11/2022 06:10	0.4	173	55	0.9	0
09/11/2022 06:20	0.3	340	30	0.7	0
09/11/2022 06:30	0.4	236	34	0.8	0
09/11/2022 06:40	0.5	224	66	0.8	0
09/11/2022 06:50	0.3	161	38	1.1	0
09/11/2022 07:00					0
09/11/2022 07:10					0
09/11/2022 07:20					0
09/11/2022 07:30					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/11/2022 07:40					0
09/11/2022 07:50					0
09/11/2022 08:00					0
09/11/2022 08:10	0.8	120	19	2.2	0
09/11/2022 08:20	1.6	121	28	2.6	0
09/11/2022 08:30	1.7	107	26	2.6	0
09/11/2022 08:40	1.6	105	29	2.7	0
09/11/2022 08:50	1.8	119	27	2.8	0
09/11/2022 09:00	1.6	119	18	3.1	0
09/11/2022 09:10	1.8	120	23	3.4	0
09/11/2022 09:20	1.8	114	27	2.9	0
09/11/2022 09:30	1.7	133	25	3	0
09/11/2022 09:40	1.8	101	30	3.2	0
09/11/2022 09:50	1.7	86	29	3.5	0
09/11/2022 10:00					0
09/11/2022 10:10	2	88	19	4	0
09/11/2022 10:20	0.8	77	14	3.6	0
09/11/2022 10:30	2.6	82	21	4.2	0
09/11/2022 10:40	2.5	68	23	4.1	0
09/11/2022 10:50	2.5	64	25	4	0
09/11/2022 11:00	2.7	59	19	4.9	0
09/11/2022 11:10	2	58	23	4.3	0
09/11/2022 11:20	3.1	65	23	4.9	0
09/11/2022 11:30	2.9	68	20	4.4	0
09/11/2022 11:40	3	61	26	4.6	0
09/11/2022 11:50	3.1	65	23	4.7	0
09/11/2022 12:00	3	72	23	4.6	0
09/11/2022 12:10	2.9	70	23	4.4	0
09/11/2022 12:20	2.7	65	22	4.4	0
09/11/2022 12:30	2.9	65	25	4.4	0
09/11/2022 12:40	2.8	66	22	4.4	0
09/11/2022 12:50	2.8	64	23	4.4	0
09/11/2022 13:00	2.8	60	23	4.4	0
09/11/2022 13:10	2.8	62	24	4.2	0
09/11/2022 13:20	2.8	67	22	4.1	0
09/11/2022 13:30	2.8	56	24	4.2	0
09/11/2022 13:40	2.9	63	23	4.5	0
09/11/2022 13:50	2.8	68	22	4.4	0
09/11/2022 14:00	3	59	24	4.6	0
09/11/2022 14:10	2.8	52	24	4.4	0
09/11/2022 14:20	2.8	64	22	4.3	0
09/11/2022 14:30	2.7	65	21	4.4	0
09/11/2022 14:40	2.9	64	17	4.5	0
09/11/2022 14:50	2.5	71	22	4.1	0
09/11/2022 15:00	2.9	73	18	4.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/11/2022 15:10	2.8	68	21	4.1	0
09/11/2022 15:20	2.8	60	18	4.7	0
09/11/2022 15:30	2.8	60	19	4.3	0
09/11/2022 15:40	2.7	43	25	4.4	0
09/11/2022 15:50	2.8	19	27	4.6	0
09/11/2022 16:00	2.8	11	33	4.7	0
09/11/2022 16:10	2.7	20	29	4.4	0
09/11/2022 16:20	2.5	21	27	4.3	0
09/11/2022 16:30	2.9	17	24	4.9	0
09/11/2022 16:40	2.5	21	28	4.4	0
09/11/2022 16:50	2.8	10	26	4.8	0
09/11/2022 17:00	2.7	4	28	4.7	0
09/11/2022 17:10	2.8	10	28	4.9	0
09/11/2022 17:20	2	355	41	3.7	0
09/11/2022 17:30	2.1	340	34	3.9	0
09/11/2022 17:40	2.5	333	25	4.5	0
09/11/2022 17:50	2	335	33	4	0
09/11/2022 18:00	2.2	342	29	3.5	0
09/11/2022 18:10	2.2	333	30	3.6	0
09/11/2022 18:20	2.5	343	25	3.7	0
09/11/2022 18:30	2.3	330	25	3.7	0
09/11/2022 18:40	2.3	340	28	4	0
09/11/2022 18:50	2.3	342	25	3.5	0
09/11/2022 19:00	2	328	27	3.3	0
09/11/2022 19:10	2.6	322	19	3.8	0
09/11/2022 19:20	2.2	335	23	3.2	0
09/11/2022 19:30	1.9	328	31	2.9	0
09/11/2022 19:40	1.3	338	30	2.2	0
09/11/2022 19:50	1.7	321	34	2.7	0
09/11/2022 20:00	1.4	292	40	2	0
09/11/2022 20:10	1.1	283	43	2.2	0
09/11/2022 20:20	1.4	290	32	2.8	0
09/11/2022 20:30	1.6	326	35	2.8	0
09/11/2022 20:40	1.3	316	38	2.4	0
09/11/2022 20:50	1.5	294	32	2.8	0
09/11/2022 21:00	1.5	272	32	2.6	0
09/11/2022 21:10	1.4	275	37	2.7	0
09/11/2022 21:20	1.9	259	20	3.1	0
09/11/2022 21:30	2.5	254	12	3.2	0
09/11/2022 21:40	2.1	257	12	3	0
09/11/2022 21:50	1.8	261	12	2.5	0
09/11/2022 22:00	1.9	251	12	2.6	0
09/11/2022 22:10	1.4	277	15	2.2	0
09/11/2022 22:20	2.1	254	12	2.8	0
09/11/2022 22:30	2.2	252	16	3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/11/2022 22:40	2	253	13	2.5	0
09/11/2022 22:50	1.9	260	12	2.4	0
09/11/2022 23:00	2.1	259	12	2.8	0
09/11/2022 23:10	1.8	241	15	2.5	0
09/11/2022 23:20	2.1	243	14	2.7	0
09/11/2022 23:30	2.1	254	18	3.3	0
09/11/2022 23:40	1.8	262	15	2.6	0
09/11/2022 23:50	1.7	257	14	2.4	0
09/12/2022 00:00	1.7	266	12	2.3	0
09/12/2022 00:10	1.5	269	14	2	0
09/12/2022 00:20	1.5	264	13	2.1	0
09/12/2022 00:30	1.9	265	12	2.7	0
09/12/2022 00:40	1.7	265	14	2.2	0
09/12/2022 00:50	1.6	257	15	2.1	0
09/12/2022 01:00	1.8	251	13	2.8	0
09/12/2022 01:10	1.7	254	13	2.3	0
09/12/2022 01:20	1.9	247	13	2.5	0
09/12/2022 01:30	1.6	249	14	2.2	0
09/12/2022 01:40	1.7	250	12	2.2	0
09/12/2022 01:50	1.7	251	16	2.2	0
09/12/2022 02:00	1.8	243	16	2.6	0
09/12/2022 02:10	1.8	242	17	2.5	0
09/12/2022 02:20	1.7	243	16	2.4	0
09/12/2022 02:30	1.9	247	16	2.9	0
09/12/2022 02:40	1.7	241	16	2.3	0
09/12/2022 02:50	1.7	241	19	2.8	0
09/12/2022 03:00	2.2	240	15	3.3	0
09/12/2022 03:10	2.2	252	13	3.1	0
09/12/2022 03:20	1.8	260	17	2.5	0
09/12/2022 03:30	1.9	261	13	2.4	0
09/12/2022 03:40	2	263	13	2.7	0
09/12/2022 03:50	2	268	15	2.6	0
09/12/2022 04:00	1.7	265	14	2.5	0
09/12/2022 04:10	1.7	264	13	2.3	0
09/12/2022 04:20	1	272	44	1.6	0
09/12/2022 04:30	0.4	20	14	0.8	0
09/12/2022 04:40	0.4	337	13	0.8	0
09/12/2022 04:50	0.3	189	18	0.8	0
09/12/2022 05:00	0.6	332	13	1	0
09/12/2022 05:10	0.8	320	29	1.2	0
09/12/2022 05:20	0.8	335	6	1.2	0
09/12/2022 05:30	0.9	334	9	1.2	0
09/12/2022 05:40	0.8	330	6	1.1	0
09/12/2022 05:50	0.5	301	18	0.8	0
09/12/2022 06:00	0.3	214	23	0.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/12/2022 06:10	0.8	165	22	1.2	0
09/12/2022 06:20	0.6	155	22	0.9	0
09/12/2022 06:30	0.2	308	30	0.8	0
09/12/2022 06:40	0.2	294	16	0.6	0
09/12/2022 06:50	0	160	7	0.4	0
09/12/2022 07:00	0	51	14	0.4	0
09/12/2022 07:10	0.1	228	2	0.9	0
09/12/2022 07:20					0
09/12/2022 07:30					0
09/12/2022 07:40					0
09/12/2022 07:50	0.7	173	16	2.3	0
09/12/2022 08:00	0.1	183	9	0.9	0
09/12/2022 08:10					0
09/12/2022 08:20	0.4	249	9	1.4	0
09/12/2022 08:30	1.1	231	43	2.2	0
09/12/2022 08:40	1.1	184	61	1.9	0
09/12/2022 08:50	0.4	183	42	1.4	0
09/12/2022 09:00	0.8	213	25	2.4	0
09/12/2022 09:10	1.4	101	35	2.2	0
09/12/2022 09:20	1.5	119	33	2.5	0
09/12/2022 09:30	1.6	102	26	2.7	0
09/12/2022 09:40	1.4	119	34	2.2	0
09/12/2022 09:50	1.6	114	27	2.5	0
09/12/2022 10:00	1.4	120	34	2.4	0
09/12/2022 10:10	1.2	127	49	2.3	0
09/12/2022 10:20	1.2	136	31	3.2	0
09/12/2022 10:30	1.6	61	46	5.2	0
09/12/2022 10:40	0.2	294	21	0.9	0
09/12/2022 10:50	0.5	217	25	1.7	0
09/12/2022 11:00	0.4	209	29	2.2	0
09/12/2022 11:10	0.1	60	14	1.4	0
09/12/2022 11:20					0
09/12/2022 11:30	0.1	2	5	4.6	0
09/12/2022 11:40	0.1	325	6	1.1	0
09/12/2022 11:50					0
09/12/2022 12:00	1.1	334	22	3.6	0
09/12/2022 12:10	1.3	346	29	3	0
09/12/2022 12:20	2.3	339	39	4	0
09/12/2022 12:30	2.2	318	38	3.7	0
09/12/2022 12:40	1.9	339	41	3.2	0
09/12/2022 12:50	2.2	351	36	3.9	0
09/12/2022 13:00	2.2	343	53	3.9	0
09/12/2022 13:10	2.4	324	52	3.8	0
09/12/2022 13:20	2.6	340	35	4.4	0
09/12/2022 13:30	2.5	327	47	4.4	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/12/2022 13:40	2.6	346	31	4.3	0
09/12/2022 13:50	2.3	315	42	4.8	0
09/12/2022 14:00	2.3	276	50	4.3	0
09/12/2022 14:10	2.5	311	46	4.8	0
09/12/2022 14:20	2.8	312	39	4.8	0
09/12/2022 14:30	2.8	320	40	4.4	0
09/12/2022 14:40	2.3	308	65	4.8	0
09/12/2022 14:50	2.8	330	36	5.1	0
09/12/2022 15:00	3.2	312	39	6.1	0
09/12/2022 15:10	2.8	317	34	4.8	0
09/12/2022 15:20	2.8	297	43	4.5	0
09/12/2022 15:30	2.8	330	25	5	0
09/12/2022 15:40	2.2	313	46	4	0
09/12/2022 15:50	2.4	316	43	4.2	0
09/12/2022 16:00	2	311	45	3.6	0
09/12/2022 16:10	1.9	297	45	3.6	0
09/12/2022 16:20	2.1	300	46	4.4	0
09/12/2022 16:30	1.9	334	47	3.1	0
09/12/2022 16:40	2	313	53	3.8	0
09/12/2022 16:50	2.2	291	47	4	0
09/12/2022 17:00	1.8	297	51	2.9	0
09/12/2022 17:10	2	271	44	3.6	0
09/12/2022 17:20	2.1	302	43	3.8	0
09/12/2022 17:30	1.9	288	44	3.3	0
09/12/2022 17:40	1.5	272	34	2.8	0
09/12/2022 17:50	1.8	269	50	3	0
09/12/2022 18:00	2	273	43	3.5	0
09/12/2022 18:10	2.1	256	24	3.2	0
09/12/2022 18:20	1.9	253	33	2.8	0
09/12/2022 18:30	1.8	254	30	2.8	0
09/12/2022 18:40	2	242	15	2.9	0
09/12/2022 18:50	1.8	246	17	3.1	0
09/12/2022 19:00	1.7	248	19	2.6	0
09/12/2022 19:10	2.1	245	14	2.8	0
09/12/2022 19:20	2.8	252	16	4.1	0
09/12/2022 19:30	3.4	250	13	4.7	0
09/12/2022 19:40	3.2	245	18	4.4	0
09/12/2022 19:50	2.9	240	18	4	0
09/12/2022 20:00	3	243	18	4.2	0
09/12/2022 20:10	2.9	250	18	4.4	0
09/12/2022 20:20	2.3	253	19	3.3	0
09/12/2022 20:30	2.1	257	15	3.2	0
09/12/2022 20:40	1.6	262	23	2.8	0
09/12/2022 20:50	1.7	254	18	2.8	0
09/12/2022 21:00	1.4	252	19	2.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/12/2022 21:10	1.2	254	18	1.9	0
09/12/2022 21:20	0.9	279	22	1.3	0
09/12/2022 21:30	1.1	288	27	1.8	0
09/12/2022 21:40	1.3	295	34	2.5	0
09/12/2022 21:50	1.3	262	23	2.3	0
09/12/2022 22:00	2.4	257	19	3.6	0
09/12/2022 22:10	2.3	236	19	3.6	0
09/12/2022 22:20	2.4	232	15	3.7	0
09/12/2022 22:30	2	240	20	3.1	0
09/12/2022 22:40	1.7	253	23	2.6	0
09/12/2022 22:50	1.8	261	17	3	0
09/12/2022 23:00	1.1	249	20	1.9	0
09/12/2022 23:10	1.4	214	20	2.2	0
09/12/2022 23:20	0.9	248	30	1.6	0
09/12/2022 23:30	1	220	26	1.7	0
09/12/2022 23:40	1.6	236	19	2.4	0
09/12/2022 23:50	1.6	224	20	2.4	0
13/09/2022 00:00	1.4	230	18	2.4	0
13/09/2022 00:10	1.7	232	20	3	0
13/09/2022 00:20	2.4	238	15	3.6	0
13/09/2022 00:30	2.3	237	16	3.5	0
13/09/2022 00:40	2.1	243	18	3.2	0
13/09/2022 00:50	1.7	264	18	2.4	0
13/09/2022 01:00	1.1	264	30	2	0
13/09/2022 01:10	0.7	240	44	1.6	0
13/09/2022 01:20	0.6	286	48	1.2	0
13/09/2022 01:30	1.5	255	27	2.8	0
13/09/2022 01:40	1.5	258	19	3.1	0
13/09/2022 01:50	1.3	262	25	2.2	0
13/09/2022 02:00	1.6	247	23	2.8	0
13/09/2022 02:10	1.8	225	19	3	0
13/09/2022 02:20	1.6	224	16	2.3	0
13/09/2022 02:30	2	236	16	2.9	0
13/09/2022 02:40	2	238	17	3.1	0
13/09/2022 02:50	1.8	227	17	2.8	0
13/09/2022 03:00	1.5	230	16	2.2	0
13/09/2022 03:10	1.7	230	14	2.8	0
13/09/2022 03:20	1.6	236	18	2.4	0
13/09/2022 03:30	1.6	246	18	2.3	0
13/09/2022 03:40	1.4	241	17	2	0
13/09/2022 03:50	1.4	242	13	1.9	0
13/09/2022 04:00	1.6	233	15	2.3	0
13/09/2022 04:10	1.6	234	17	2.3	0
13/09/2022 04:20	1.3	228	15	2.2	0
13/09/2022 04:30	1.2	235	20	2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/09/2022 04:40	1.4	231	17	2.1	0
13/09/2022 04:50	1.1	242	21	1.7	0
13/09/2022 05:00	1.6	231	17	2.4	0
13/09/2022 05:10	1.8	228	16	2.4	0
13/09/2022 05:20	2.1	227	16	2.8	0
13/09/2022 05:30	2	231	16	2.8	0
13/09/2022 05:40	1	279	27	1.8	0
13/09/2022 05:50	0.6	135	39	1.6	0
13/09/2022 06:00	0.8	222	16	1.2	0
13/09/2022 06:10	1.1	238	13	1.4	0
13/09/2022 06:20	1.1	252	13	1.7	0
13/09/2022 06:30	1.6	250	17	2.3	0
13/09/2022 06:40	1.5	262	19	2	0
13/09/2022 06:50	1	255	15	1.4	0
13/09/2022 07:00	1.1	244	26	1.6	0
13/09/2022 07:10	0.3	106	42	1	0
13/09/2022 07:20	0.4	63	24	0.8	0
13/09/2022 07:30	0.4	128	29	0.7	0
13/09/2022 07:40	1.2	201	18	2.5	0
13/09/2022 07:50	0.2	208	3	2.8	0
13/09/2022 08:00	1.8	208	20	2.8	0
13/09/2022 08:10	1.1	223	13	2.7	0
13/09/2022 08:20	1.4	229	32	2.1	0
13/09/2022 08:30	0.7	219	13	1.8	0
13/09/2022 08:40	0.8	236	21	2.5	0
13/09/2022 08:50	0.3	250	4	2.7	0
13/09/2022 09:00	0.4	225	6	2.7	0
13/09/2022 09:10	1.8	250	19	3.4	0
13/09/2022 09:20	2.2	244	22	3.5	0
13/09/2022 09:30	1.8	245	15	3.7	0
13/09/2022 09:40	1.6	243	13	3.3	0
13/09/2022 09:50	0.8	253	13	3.6	0
13/09/2022 10:00	2.5	242	20	4	0
13/09/2022 10:10	2.8	246	18	4	0
13/09/2022 10:20	2.7	250	23	4.5	0
13/09/2022 10:30	3	244	18	4.4	0
13/09/2022 10:40	2.6	248	22	4	0
13/09/2022 10:50	2.7	253	21	4.4	0
13/09/2022 11:00	3.4	219	22	5.3	0
13/09/2022 11:10	3.6	223	20	5.7	0
13/09/2022 11:20	3.6	233	17	5.5	0
13/09/2022 11:30	3.8	233	19	5.1	0
13/09/2022 11:40	3.8	230	17	5.5	0
13/09/2022 11:50	4	236	21	5.5	0
13/09/2022 12:00	4.2	238	20	6.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/09/2022 12:10	4.3	245	18	6	0
13/09/2022 12:20	4.3	246	17	6	0
13/09/2022 12:30	4.1	243	20	6.8	0
13/09/2022 12:40	4.7	241	17	6.4	0
13/09/2022 12:50	4.6	237	18	6.4	0
13/09/2022 13:00	4.2	244	23	6.5	0
13/09/2022 13:10	4.4	245	21	7	0
13/09/2022 13:20	4.6	240	18	7.1	0
13/09/2022 13:30	4.3	247	18	6.2	0
13/09/2022 13:40	4.5	250	20	6.7	0
13/09/2022 13:50	4.6	243	19	7.5	0
13/09/2022 14:00	5.4	239	16	7.6	0
13/09/2022 14:10	5.7	238	16	7.5	0
13/09/2022 14:20	4.6	245	22	6.7	0
13/09/2022 14:30	4.9	245	18	7.5	0
13/09/2022 14:40	5.1	249	19	7.9	0
13/09/2022 14:50	4.8	247	19	6.9	0
13/09/2022 15:00	4.8	248	20	8.1	0
13/09/2022 15:10	5	247	18	7.1	0
13/09/2022 15:20	5.6	248	17	7.7	0
13/09/2022 15:30	4.5	254	17	6.8	0
13/09/2022 15:40	4.7	255	19	7.4	0
13/09/2022 15:50	4.7	254	21	7.3	0
13/09/2022 16:00	5.2	249	17	8.3	0
13/09/2022 16:10	5.6	246	16	7.8	0
13/09/2022 16:20	4.5	256	18	7.5	0
13/09/2022 16:30	4.3	257	21	6.6	0
13/09/2022 16:40	4.7	257	17	7.1	0
13/09/2022 16:50	4.3	259	17	6.7	0
13/09/2022 17:00	4.3	259	19	6.4	0
13/09/2022 17:10	4.5	252	18	7.5	0
13/09/2022 17:20	4.4	257	19	6.4	0
13/09/2022 17:30	4.6	252	19	7.5	0
13/09/2022 17:40	4.2	254	19	7.1	0
13/09/2022 17:50	3.9	255	20	5.7	0
13/09/2022 18:00	4.3	255	15	6.9	0
13/09/2022 18:10	4.3	255	18	6.3	0
13/09/2022 18:20	4	255	19	6.6	0
13/09/2022 18:30	4	256	18	6.3	0
13/09/2022 18:40	4.6	254	16	6.5	0
13/09/2022 18:50	4.6	253	17	6.9	0
13/09/2022 19:00	4.5	252	15	6.7	0
13/09/2022 19:10	4.5	253	15	6.7	0
13/09/2022 19:20	4.7	255	16	6.8	0
13/09/2022 19:30	4.4	252	15	6.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/09/2022 19:40	4.5	255	17	7	0
13/09/2022 19:50	4.7	248	14	6.5	0
13/09/2022 20:00	4.8	254	18	7.2	0
13/09/2022 20:10	4.3	256	15	6	0
13/09/2022 20:20	4.1	254	14	6	0
13/09/2022 20:30	4.1	254	15	6.2	0
13/09/2022 20:40	4.2	250	15	6.1	0
13/09/2022 20:50	3.5	256	18	5	0
13/09/2022 21:00	3.3	255	17	4.5	0
13/09/2022 21:10	3.3	250	19	5.2	0
13/09/2022 21:20	3.7	242	16	5.4	0
13/09/2022 21:30	3.6	251	16	5.1	0
13/09/2022 21:40	3.3	246	17	4.9	0
13/09/2022 21:50	2.9	248	19	4.4	0
13/09/2022 22:00	3	240	16	4.1	0
13/09/2022 22:10	3.6	244	17	5.2	0
13/09/2022 22:20	3.3	243	20	5.9	0
13/09/2022 22:30	4	242	18	6.4	0
13/09/2022 22:40	3.4	245	19	5.4	0
13/09/2022 22:50	3	244	19	5.6	0
13/09/2022 23:00	3.3	248	19	5.3	0
13/09/2022 23:10	3.4	247	18	5.5	0
13/09/2022 23:20	3.2	245	17	5.3	0
13/09/2022 23:30	3.3	240	17	4.7	0
13/09/2022 23:40	3	245	21	4.6	0
13/09/2022 23:50	3	237	15	4.5	0
14/09/2022 00:00	3.1	238	17	4.8	0
14/09/2022 00:10	3.2	240	16	5	0
14/09/2022 00:20	3.6	240	16	4.9	0
14/09/2022 00:30	3.2	241	18	4.4	0
14/09/2022 00:40	3.5	239	18	5.6	0
14/09/2022 00:50	3.7	238	18	5.2	0
14/09/2022 01:00	3.3	241	19	5.1	0
14/09/2022 01:10	3.2	239	18	4.8	0
14/09/2022 01:20	3	242	17	4.8	0
14/09/2022 01:30	3	244	20	4.3	0
14/09/2022 01:40	2.9	246	17	4.1	0
14/09/2022 01:50	2.9	248	19	4.4	0
14/09/2022 02:00	3.1	247	17	4.8	0
14/09/2022 02:10	3.4	244	18	5.2	0
14/09/2022 02:20	3.5	245	15	5.2	0
14/09/2022 02:30	3.6	245	16	5.2	0
14/09/2022 02:40	3.6	249	17	5.2	0
14/09/2022 02:50	2.9	258	17	4.8	0
14/09/2022 03:00	2.6	259	17	3.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/09/2022 03:10	2.6	261	19	3.7	0
14/09/2022 03:20	2.8	253	20	4.4	0
14/09/2022 03:30	2.7	249	21	4.6	0
14/09/2022 03:40	2.5	242	20	3.7	0
14/09/2022 03:50	2.5	237	24	4	0
14/09/2022 04:00	3.2	230	17	5.3	0
14/09/2022 04:10	3.1	234	18	4.8	0
14/09/2022 04:20	3.1	236	18	5.2	0
14/09/2022 04:30	2.7	228	20	4.6	0
14/09/2022 04:40	2.7	218	19	4.4	0
14/09/2022 04:50	2.5	216	20	4.2	0
14/09/2022 05:00	2.6	209	20	5.2	0
14/09/2022 05:10	3.1	204	17	4.8	0
14/09/2022 05:20	3.3	200	14	4.9	0
14/09/2022 05:30	3.8	193	18	5.9	0
14/09/2022 05:40	3.8	192	15	5.8	0
14/09/2022 05:50	3.8	194	16	5.7	0
14/09/2022 06:00	3.5	192	18	5.6	0
14/09/2022 06:10	4.1	193	16	5.8	0
14/09/2022 06:20	3.9	195	16	5.7	0
14/09/2022 06:30	4.1	196	17	5.9	0
14/09/2022 06:40	3	181	18	5	0
14/09/2022 06:50	3.1	188	15	4.4	0
14/09/2022 07:00	3.3	184	21	4.8	0
14/09/2022 07:10	3.8	190	19	5.2	0
14/09/2022 07:20	3.6	189	19	5.3	0
14/09/2022 07:30	3.7	187	18	5.8	0
14/09/2022 07:40	4.2	193	15	6.3	0
14/09/2022 07:50	4.9	198	13	7	0
14/09/2022 08:00	4.5	188	16	6.3	0
14/09/2022 08:10	3	189	20	4.9	0
14/09/2022 08:20	2.6	176	20	4.4	0
14/09/2022 08:30	0.4	142	15	2.5	0
14/09/2022 08:40					0
14/09/2022 08:50	1.2	145	25	4	0
14/09/2022 09:00	0.9	159	16	3.9	0
14/09/2022 09:10					0
14/09/2022 09:20	1	154	16	3.6	0
14/09/2022 09:30	2.3	129	29	4	0
14/09/2022 09:40	2.1	132	28	3.5	0
14/09/2022 09:50	2.3	133	32	3.3	0
14/09/2022 10:00	0.4	131	9	2.8	0
14/09/2022 10:10	1	113	19	3.1	0
14/09/2022 10:20					0
14/09/2022 10:30					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/09/2022 10:40	0.3	82	9	3	0
14/09/2022 10:50	0.9	125	20	2.6	0
14/09/2022 11:00	1.7	129	38	3.2	0
14/09/2022 11:10	1.8	133	30	3.1	0
14/09/2022 11:20	1.8	99	30	3.3	0
14/09/2022 11:30	1.7	123	39	3.3	0
14/09/2022 11:40	1.3	124	36	2.8	0
14/09/2022 11:50	1.4	150	43	2.3	0
14/09/2022 12:00	1.5	117	64	2.4	0
14/09/2022 12:10	1.4	194	79	2.3	0
14/09/2022 12:20	1.9	246	40	3.6	0
14/09/2022 12:30	2.6	181	38	4.2	0
14/09/2022 12:40	1.2	163	28	4.4	0
14/09/2022 12:50	0.1	217	10	1.2	0
14/09/2022 13:00	2.3	268	33	3.4	0
14/09/2022 13:10	1.3	306	29	3.6	0
14/09/2022 13:20	2.4	326	36	4.4	0
14/09/2022 13:30	2.8	341	33	4.4	0
14/09/2022 13:40	2.8	355	38	4.7	0
14/09/2022 13:50	2.7	344	36	4.9	0
14/09/2022 14:00	2.7	334	31	4.5	0
14/09/2022 14:10	2.8	336	27	4.5	0
14/09/2022 14:20	3	343	31	4.4	0
14/09/2022 14:30	3	330	26	4.5	0
14/09/2022 14:40	2.6	306	39	4.2	0
14/09/2022 14:50	3	310	36	4.9	0
14/09/2022 15:00	2.8	310	38	4.5	0
14/09/2022 15:10	3.4	322	28	5.2	0
14/09/2022 15:20	2.8	312	36	5.1	0
14/09/2022 15:30	2.6	301	44	5	0
14/09/2022 15:40	2.6	301	47	5.2	0
14/09/2022 15:50	2.9	288	39	4.8	0
14/09/2022 16:00	2.2	274	45	3.7	0
14/09/2022 16:10	2.8	271	33	5.1	0
14/09/2022 16:20	3.1	263	28	5.5	0
14/09/2022 16:30	2.8	253	24	4.4	0
14/09/2022 16:40	3.1	257	22	5.3	0
14/09/2022 16:50	4.2	249	19	6	0
14/09/2022 17:00	4.4	245	16	6.4	0
14/09/2022 17:10	3.6	252	17	5.8	0
14/09/2022 17:20	4.2	246	16	5.7	0
14/09/2022 17:30	4.4	248	17	6	0
14/09/2022 17:40	4.2	249	15	6	0
14/09/2022 17:50	3.4	250	16	5.5	0
14/09/2022 18:00	3.3	255	19	5.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/09/2022 18:10	3.4	251	17	4.8	0
14/09/2022 18:20	3.6	253	14	5.9	0
14/09/2022 18:30	3.1	259	18	4.6	0
14/09/2022 18:40	3.2	259	18	4.7	0
14/09/2022 18:50	3.7	256	16	6	0
14/09/2022 19:00	3.5	257	17	5.6	0
14/09/2022 19:10	3.3	256	20	5.2	0
14/09/2022 19:20	3.3	254	16	5	0
14/09/2022 19:30	3.4	253	16	4.8	0
14/09/2022 19:40	3.4	255	19	5	0
14/09/2022 19:50	4.3	252	16	6.2	0
14/09/2022 20:00	3.9	249	17	5.7	0
14/09/2022 20:10	3.7	250	16	5.3	0
14/09/2022 20:20	3.6	255	16	5	0
14/09/2022 20:30	3	261	18	5.2	0
14/09/2022 20:40	3.3	261	17	4.8	0
14/09/2022 20:50	3.6	262	16	5.6	0
14/09/2022 21:00	2.8	263	18	4.4	0
14/09/2022 21:10	2.2	273	23	3.6	0
14/09/2022 21:20	2.7	264	22	4	0
14/09/2022 21:30	2.4	271	21	3.7	0
14/09/2022 21:40	2.4	266	19	3.5	0
14/09/2022 21:50	2.4	261	17	3.6	0
14/09/2022 22:00	2.7	262	15	4.1	0
14/09/2022 22:10	2.8	269	13	4.3	0
14/09/2022 22:20	2.7	263	15	3.8	0
14/09/2022 22:30	2.6	267	15	3.9	0
14/09/2022 22:40	2.5	272	18	3.7	0
14/09/2022 22:50	2.8	269	17	3.8	0
14/09/2022 23:00	2.6	263	18	3.8	0
14/09/2022 23:10	2.6	253	16	4.2	0
14/09/2022 23:20	2.6	266	16	3.9	0
14/09/2022 23:30	1.6	253	33	3.6	0
14/09/2022 23:40	1.8	230	31	3.2	0
14/09/2022 23:50	2.5	195	21	4.3	0
15/09/2022 00:00	3.2	190	18	5.2	0
15/09/2022 00:10	3.5	188	18	5.4	0
15/09/2022 00:20	3.2	189	15	5.2	0
15/09/2022 00:30	2.9	189	17	4	0
15/09/2022 00:40	2.5	197	16	3.6	0
15/09/2022 00:50	2.1	200	20	3.8	0
15/09/2022 01:00	1.5	204	20	2.8	0
15/09/2022 01:10	0.6	213	55	1.1	0
15/09/2022 01:20	0.6	209	50	1.1	0
15/09/2022 01:30	0.7	216	55	1.2	0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/09/2022 01:40	0.5	126	49	1.1	0
15/09/2022 01:50	0.3	176	23	1	0
15/09/2022 02:00	0.4	95	28	1.2	0
15/09/2022 02:10	0.4	114	38	0.9	0
15/09/2022 02:20	0.4	133	23	0.9	0
15/09/2022 02:30	1.1	136	28	2.4	0
15/09/2022 02:40	0.8	130	29	1.5	0
15/09/2022 02:50	1.1	138	25	1.9	0
15/09/2022 03:00	1.3	131	30	2.5	0
15/09/2022 03:10	1.1	123	29	2.2	0
15/09/2022 03:20	0.9	100	30	1.5	0
15/09/2022 03:30	0.7	75	27	1.2	0
15/09/2022 03:40	0.7	87	20	1.2	0
15/09/2022 03:50	0.7	96	25	1.4	0
15/09/2022 04:00	0.8	100	21	1.2	0
15/09/2022 04:10	0.9	96	22	1.5	0
15/09/2022 04:20	0.9	87	16	1.3	0
15/09/2022 04:30	1.1	79	16	1.5	0
15/09/2022 04:40	0.8	69	29	1.2	0
15/09/2022 04:50	0.9	81	20	1.2	0
15/09/2022 05:00	0.9	93	25	1.7	0
15/09/2022 05:10	0.9	107	23	1.5	0
15/09/2022 05:20	1	93	22	1.5	0
15/09/2022 05:30	1	88	20	1.5	0
15/09/2022 05:40	0.9	87	23	1.3	0
15/09/2022 05:50	1	82	18	1.4	0
15/09/2022 06:00	0.9	84	17	1.4	0
15/09/2022 06:10	1	89	19	1.6	0
15/09/2022 06:20	0.9	89	20	1.3	0
15/09/2022 06:30	0.9	98	24	1.4	0
15/09/2022 06:40	0.9	95	25	1.3	0
15/09/2022 06:50					0
15/09/2022 07:00					0
15/09/2022 07:10					0
15/09/2022 07:20					0
15/09/2022 07:30					0
15/09/2022 07:40					0
15/09/2022 07:50					0
15/09/2022 08:00					0
15/09/2022 08:10					0
15/09/2022 08:20					0
15/09/2022 08:30					0
15/09/2022 08:40					0
15/09/2022 08:50					0
15/09/2022 09:00					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/09/2022 09:10					0
15/09/2022 09:20					0
15/09/2022 09:30					0
15/09/2022 09:40					0
15/09/2022 09:50					0
15/09/2022 10:00					0
15/09/2022 10:10					0
15/09/2022 10:20					0
15/09/2022 10:30					0
15/09/2022 10:40					0
15/09/2022 10:50					0
15/09/2022 11:00					0
15/09/2022 11:10					0
15/09/2022 11:20					0
15/09/2022 11:30					0
15/09/2022 11:40					0
15/09/2022 11:50					0
15/09/2022 12:00					0
15/09/2022 12:10					0
15/09/2022 12:20					0
15/09/2022 12:30					0
15/09/2022 12:40					0
15/09/2022 12:50					0
15/09/2022 13:00					0
15/09/2022 13:10					0
15/09/2022 13:20					0
15/09/2022 13:30					0
15/09/2022 13:40					0
15/09/2022 13:50					0
15/09/2022 14:00					0
15/09/2022 14:10					0
15/09/2022 14:20					0
15/09/2022 14:30					0
15/09/2022 14:40					0
15/09/2022 14:50					0
15/09/2022 15:00					0
15/09/2022 15:10					0
15/09/2022 15:20					0
15/09/2022 15:30					0
15/09/2022 15:40					0
15/09/2022 15:50					0
15/09/2022 16:00					0
15/09/2022 16:10					0
15/09/2022 16:20					0
15/09/2022 16:30					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/09/2022 16:40					0
15/09/2022 16:50					0
15/09/2022 17:00					0
15/09/2022 17:10					0
15/09/2022 17:20					0
15/09/2022 17:30	2.1	343	19	4.4	0
15/09/2022 17:40	2.7	337	24	4.4	0
15/09/2022 17:50	2.7	321	27	4.6	0
15/09/2022 18:00	2.1	294	37	3.6	0
15/09/2022 18:10	1.7	263	46	3	0
15/09/2022 18:20	1.7	257	31	2.6	0
15/09/2022 18:30	2.7	262	20	4.4	0
15/09/2022 18:40	2.6	257	17	3.7	0
15/09/2022 18:50	3.7	247	13	5.1	0
15/09/2022 19:00	3.8	252	13	5.2	0
15/09/2022 19:10	3.5	252	16	5	0
15/09/2022 19:20	3.6	251	14	5	0
15/09/2022 19:30	3.5	253	14	5.4	0
15/09/2022 19:40	3.1	249	16	4.7	0
15/09/2022 19:50	3.2	252	14	4.4	0
15/09/2022 20:00	3	242	19	4.4	0
15/09/2022 20:10	3.2	246	17	4.4	0
15/09/2022 20:20	3.4	250	16	4.7	0
15/09/2022 20:30	3.1	252	13	4.4	0
15/09/2022 20:40	3.5	254	13	4.8	0
15/09/2022 20:50	3.5	252	16	4.9	0
15/09/2022 21:00	3.4	243	15	5.2	0
15/09/2022 21:10	3.3	245	15	4.6	0
15/09/2022 21:20	3.4	244	19	4.9	0
15/09/2022 21:30	3.2	247	14	4.8	0
15/09/2022 21:40	2.8	251	16	4.3	0
15/09/2022 21:50	3.3	242	15	4.8	0
15/09/2022 22:00	2.8	241	16	4	0
15/09/2022 22:10	2.7	244	16	3.9	0
15/09/2022 22:20	2.5	243	14	3.8	0
15/09/2022 22:30	2.4	242	17	3.3	0
15/09/2022 22:40	2.1	251	16	2.8	0
15/09/2022 22:50	2.2	261	14	3.1	0
15/09/2022 23:00	2.5	256	11	3.6	0
15/09/2022 23:10	2.5	257	13	3.6	0
15/09/2022 23:20	2.4	259	13	3.2	0
15/09/2022 23:30	2.6	258	13	3.9	0
15/09/2022 23:40	2.7	255	14	3.6	0
15/09/2022 23:50	2.3	256	14	3.2	0
16/09/2022 00:00	1.9	253	12	2.7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/09/2022 00:10	2.1	260	14	2.9	0
16/09/2022 00:20	2.3	265	17	3.2	0
16/09/2022 00:30	2.1	258	15	2.9	0
16/09/2022 00:40	2	262	15	2.8	0
16/09/2022 00:50	1.9	254	12	2.6	0
16/09/2022 01:00	2	262	13	2.8	0
16/09/2022 01:10	1.9	257	14	2.8	0
16/09/2022 01:20	2.3	264	14	3.2	0
16/09/2022 01:30	2.3	264	16	3.2	0
16/09/2022 01:40	2.1	263	14	2.8	0
16/09/2022 01:50	2.2	263	17	2.9	0
16/09/2022 02:00	2.3	262	14	3.1	0
16/09/2022 02:10	2.2	249	17	3.4	0
16/09/2022 02:20	1.7	239	18	2.9	0
16/09/2022 02:30	1	235	18	1.5	0
16/09/2022 02:40	0.3	148	35	0.8	0
16/09/2022 02:50	0.7	36	20	1.2	0
16/09/2022 03:00	0.8	25	23	1.1	0
16/09/2022 03:10	0.9	15	20	1.2	0
16/09/2022 03:20	0.7	348	15	1	0
16/09/2022 03:30	0.7	352	13	1.2	0
16/09/2022 03:40	0.7	347	12	1.1	0
16/09/2022 03:50	1	349	10	1.4	0
16/09/2022 04:00	0.7	352	12	1.1	0
16/09/2022 04:10	0.9	347	11	1.2	0
16/09/2022 04:20	0.9	350	13	1.2	0
16/09/2022 04:30	0.8	356	12	1.2	0
16/09/2022 04:40	0.9	16	19	1.3	0
16/09/2022 04:50	1	192	16	1.3	0
16/09/2022 05:00	1.1	23	12	1.6	0
16/09/2022 05:10	1	2	14	1.3	0
16/09/2022 05:20	1	13	14	1.4	0
16/09/2022 05:30	0.5	27	14	1	0
16/09/2022 05:40	0.9	32	15	1.2	0
16/09/2022 05:50	1	32	18	1.5	0
16/09/2022 06:00	1	34	16	1.4	0
16/09/2022 06:10	0.8	21	16	1.2	0
16/09/2022 06:20	1	12	16	1.3	0
16/09/2022 06:30	0.8	24	16	1.2	0
16/09/2022 06:40	0.4	26	8	0.8	0
16/09/2022 06:50					0
16/09/2022 07:00					0
16/09/2022 07:10					0
16/09/2022 07:20					0
16/09/2022 07:30					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/09/2022 07:40					0
16/09/2022 07:50					0
16/09/2022 08:00					0
16/09/2022 08:10					0
16/09/2022 08:20					0
16/09/2022 08:30					0
16/09/2022 08:40					0
16/09/2022 08:50					0
16/09/2022 09:00					0
16/09/2022 09:10					0
16/09/2022 09:20					0
16/09/2022 09:30					0
16/09/2022 09:40					0
16/09/2022 09:50					0
16/09/2022 10:00					0
16/09/2022 10:10					0
16/09/2022 10:20					0
16/09/2022 10:30					0
16/09/2022 10:40					0
16/09/2022 10:50					0
16/09/2022 11:00					0
16/09/2022 11:10					0
16/09/2022 11:20					0
16/09/2022 11:30					0
16/09/2022 11:40					0
16/09/2022 11:50					0
16/09/2022 12:00					0
16/09/2022 12:10					0
16/09/2022 12:20					0
16/09/2022 12:30					0
16/09/2022 12:40					0
16/09/2022 12:50					0
16/09/2022 13:00					0
16/09/2022 13:10					0
16/09/2022 13:20					0
16/09/2022 13:30					0
16/09/2022 13:40					0
16/09/2022 13:50					0
16/09/2022 14:00					0
16/09/2022 14:10					0
16/09/2022 14:20					0
16/09/2022 14:30					0
16/09/2022 14:40					0
16/09/2022 14:50					0
16/09/2022 15:00					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/09/2022 15:10					0
16/09/2022 15:20					0
16/09/2022 15:30					0
16/09/2022 15:40					0
16/09/2022 15:50					0
16/09/2022 16:00					0
16/09/2022 16:10					0
16/09/2022 16:20					0
16/09/2022 16:30					0
16/09/2022 16:40					0
16/09/2022 16:50					0
16/09/2022 17:00					0
16/09/2022 17:10					0
16/09/2022 17:20	2.2	8	20	4.6	0
16/09/2022 17:30	2.7	13	26	4	0
16/09/2022 17:40	2.4	11	32	4.1	0
16/09/2022 17:50	2.4	351	33	3.8	0
16/09/2022 18:00	3	335	22	4.9	0
16/09/2022 18:10	3.4	340	19	4.9	0
16/09/2022 18:20	2.9	338	20	4.3	0
16/09/2022 18:30	2.8	330	22	4.2	0
16/09/2022 18:40	2.3	335	25	3.7	0
16/09/2022 18:50	2.1	266	31	3.2	0
16/09/2022 19:00	2.1	255	18	3.2	0
16/09/2022 19:10	2.3	258	20	3.2	0
16/09/2022 19:20	2.1	259	22	3	0
16/09/2022 19:30	1.6	277	36	3	0
16/09/2022 19:40	1.4	271	42	2.4	0
16/09/2022 19:50	1.4	290	37	2.6	0
16/09/2022 20:00	2.6	252	13	3.5	0
16/09/2022 20:10	1.9	258	25	2.8	0
16/09/2022 20:20	2.3	260	16	3.2	0
16/09/2022 20:30	2	275	18	2.8	0
16/09/2022 20:40	2	265	18	3.1	0
16/09/2022 20:50	2.3	254	11	3.1	0
16/09/2022 21:00	2	256	11	2.7	0
16/09/2022 21:10	2.4	253	10	3	0
16/09/2022 21:20	2.6	248	11	3.5	0
16/09/2022 21:30	2.7	246	12	3.6	0
16/09/2022 21:40	2.3	254	13	3.7	0
16/09/2022 21:50	2.6	254	12	3.4	0
16/09/2022 22:00	2.6	257	16	3.5	0
16/09/2022 22:10	2.7	258	15	3.7	0
16/09/2022 22:20	2.9	260	13	3.8	0
16/09/2022 22:30	2.6	260	13	3.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/09/2022 22:40	2.5	263	12	3.2	0
16/09/2022 22:50	2.7	262	12	3.7	0
16/09/2022 23:00	2.7	259	14	4	0
16/09/2022 23:10	2.8	252	16	4.1	0
16/09/2022 23:20	2.6	255	16	3.6	0
16/09/2022 23:30	2.6	255	17	3.4	0
16/09/2022 23:40	2.8	249	16	4.4	0
16/09/2022 23:50	3.1	247	15	4.4	0
17/09/2022 00:00	3	250	15	4.4	0
17/09/2022 00:10	3	248	17	4.3	0
17/09/2022 00:20	2.2	235	15	3.6	0
17/09/2022 00:30	1.9	242	17	3	0
17/09/2022 00:40	2.1	242	18	3	0
17/09/2022 00:50	2.1	237	16	3.5	0
17/09/2022 01:00	2.1	231	17	3.3	0
17/09/2022 01:10	2.2	236	22	3.4	0
17/09/2022 01:20	1.3	206	21	2	0
17/09/2022 01:30	1.6	222	17	2.1	0
17/09/2022 01:40	1.6	217	14	2.1	0
17/09/2022 01:50	0.7	261	41	1.5	0
17/09/2022 02:00	0.6	150	41	0.9	0
17/09/2022 02:10	1.1	251	22	2	0
17/09/2022 02:20	0.8	185	34	1.4	0
17/09/2022 02:30	0.8	187	35	1.3	0
17/09/2022 02:40	1.2	290	23	1.9	0
17/09/2022 02:50	1	280	25	1.5	0
17/09/2022 03:00	0.4	191	33	1	0
17/09/2022 03:10	0.6	167	45	0.9	0
17/09/2022 03:20	0.5	118	36	0.9	0
17/09/2022 03:30	0.9	70	31	1.3	0
17/09/2022 03:40	1	106	57	2.1	0
17/09/2022 03:50	0.8	40	51	1.2	0
17/09/2022 04:00	0.4	26	13	0.9	0
17/09/2022 04:10	0.7	353	12	0.9	0
17/09/2022 04:20	0.5	9	17	0.9	0
17/09/2022 04:30	0.9	6	16	1.2	0
17/09/2022 04:40	0.8	14	17	1.2	0
17/09/2022 04:50	0.9	354	19	1.2	0
17/09/2022 05:00	0.6	180	13	1	0
17/09/2022 05:10	0.7	8	20	0.9	0
17/09/2022 05:20	0.6	345	10	0.8	0
17/09/2022 05:30	0.8	355	11	1	0
17/09/2022 05:40	0.7	351	11	0.9	0
17/09/2022 05:50	0.8	172	10	1.2	0
17/09/2022 06:00	0.6	183	12	0.9	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/09/2022 06:10	0.7	21	12	1	0
17/09/2022 06:20	0.3	40	8	0.6	0
17/09/2022 06:30	0.1	185	3	0.6	0
17/09/2022 06:40					0
17/09/2022 06:50					0
17/09/2022 07:00					0
17/09/2022 07:10					0
17/09/2022 07:20					0
17/09/2022 07:30					0
17/09/2022 07:40					0
17/09/2022 07:50					0
17/09/2022 08:00					0
17/09/2022 08:10					0
17/09/2022 08:20					0
17/09/2022 08:30					0
17/09/2022 08:40					0
17/09/2022 08:50					0
17/09/2022 09:00					0
17/09/2022 09:10					0
17/09/2022 09:20					0
17/09/2022 09:30					0
17/09/2022 09:40					0
17/09/2022 09:50					0
17/09/2022 10:00					0
17/09/2022 10:10					0
17/09/2022 10:20					0
17/09/2022 10:30					0
17/09/2022 10:40					0
17/09/2022 10:50					0
17/09/2022 11:00					0
17/09/2022 11:10					0
17/09/2022 11:20					0
17/09/2022 11:30					0
17/09/2022 11:40					0
17/09/2022 11:50					0
17/09/2022 12:00					0
17/09/2022 12:10					0
17/09/2022 12:20					0
17/09/2022 12:30					0
17/09/2022 12:40					0
17/09/2022 12:50					0
17/09/2022 13:00					0
17/09/2022 13:10					0
17/09/2022 13:20					0
17/09/2022 13:30					0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/09/2022 13:40					0
17/09/2022 13:50					0
17/09/2022 14:00					0
17/09/2022 14:10					0
17/09/2022 14:20					0
17/09/2022 14:30					0
17/09/2022 14:40					0
17/09/2022 14:50					0
17/09/2022 15:00					0
17/09/2022 15:10					0
17/09/2022 15:20					0
17/09/2022 15:30					0
17/09/2022 15:40					0
17/09/2022 15:50					0
17/09/2022 16:00					0
17/09/2022 16:10					0
17/09/2022 16:20					0
17/09/2022 16:30					0
17/09/2022 16:40					0
17/09/2022 16:50					0
17/09/2022 17:00					0
17/09/2022 17:10					0
17/09/2022 17:20	1.6	339	26	4.6	0
17/09/2022 17:30	2.9	357	26	4.8	0
17/09/2022 17:40	3.5	337	25	5.2	0
17/09/2022 17:50	3.6	341	21	5.4	0
17/09/2022 18:00	3.5	346	21	5.2	0
17/09/2022 18:10	2.4	355	31	4	0
17/09/2022 18:20	2.7	346	24	4.7	0
17/09/2022 18:30	3.5	346	20	5.2	0
17/09/2022 18:40	3	344	23	4.9	0
17/09/2022 18:50	3.8	341	17	5.3	0
17/09/2022 19:00	3.2	341	23	4.7	0
17/09/2022 19:10	2.5	340	33	4.1	0
17/09/2022 19:20	2.8	333	26	5	0
17/09/2022 19:30	2.9	334	23	4.3	0
17/09/2022 19:40	2.6	331	23	4.7	0
17/09/2022 19:50	2.8	320	23	4.2	0
17/09/2022 20:00	2.5	321	30	4.2	0
17/09/2022 20:10	2.2	313	37	4	0
17/09/2022 20:20	2.1	313	30	3.4	0
17/09/2022 20:30	2.1	324	30	4.1	0
17/09/2022 20:40	1.6	293	47	3.1	0
17/09/2022 20:50	1.6	263	46	2.8	0
17/09/2022 21:00	1.8	257	41	3.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/09/2022 21:10	1.6	267	46	2.6	0
17/09/2022 21:20	1.8	264	38	2.7	0
17/09/2022 21:30	1.9	253	33	3.1	0
17/09/2022 21:40	1.9	253	24	2.8	0
17/09/2022 21:50	1.8	255	23	2.7	0
17/09/2022 22:00	2.3	250	17	3	0
17/09/2022 22:10	2.1	254	23	2.9	0
17/09/2022 22:20	1.8	250	22	2.4	0
17/09/2022 22:30	1.9	244	16	2.6	0
17/09/2022 22:40	1.7	252	15	2.4	0
17/09/2022 22:50	1.1	259	18	2	0
17/09/2022 23:00	0.5	242	15	1.1	0
17/09/2022 23:10	0.9	254	24	1.5	0
17/09/2022 23:20	1.5	245	8	1.9	0
17/09/2022 23:30	1.6	252	7	2	0
17/09/2022 23:40	1.5	265	10	2	0
17/09/2022 23:50	1.7	267	13	2.3	0
18/09/2022 00:00	1.7	268	16	2.4	0
18/09/2022 00:10	1.9	257	13	2.7	0
18/09/2022 00:20	2	246	11	2.7	0
18/09/2022 00:30	2.2	250	13	2.9	0
18/09/2022 00:40	1.6	262	13	2.3	0
18/09/2022 00:50	1.4	261	15	2	0
18/09/2022 01:00	1.3	253	18	2	0
18/09/2022 01:10	1	226	22	1.6	0
18/09/2022 01:20	0.7	214	19	1.2	0
18/09/2022 01:30	0.4	233	27	1.1	0
18/09/2022 01:40	1.4	235	15	2	0
18/09/2022 01:50	1.6	236	13	2.6	0
18/09/2022 02:00	1.6	241	15	2.3	0
18/09/2022 02:10	1.6	252	16	2.3	0
18/09/2022 02:20	1.4	255	18	2	0
18/09/2022 02:30	1.2	241	16	2	0
18/09/2022 02:40	1.6	245	15	2.7	0
18/09/2022 02:50	1.8	244	18	2.8	0
18/09/2022 03:00	1.5	246	18	2.4	0
18/09/2022 03:10	1.6	242	13	2.4	0
18/09/2022 03:20	1.7	250	16	2.7	0
18/09/2022 03:30	1.8	251	14	2.4	0
18/09/2022 03:40	1.8	257	15	2.9	0
18/09/2022 03:50	2.1	260	16	3	0
18/09/2022 04:00	2.5	252	18	3.6	0
18/09/2022 04:10	2.6	255	17	3.6	0
18/09/2022 04:20	2.5	258	14	3.5	0
18/09/2022 04:30	2.3	267	17	3.2	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/09/2022 04:40	2.2	268	13	3	0
18/09/2022 04:50	2.3	270	16	3.1	0
18/09/2022 05:00	2.2	267	16	3.2	0
18/09/2022 05:10	2.4	265	15	3.3	0
18/09/2022 05:20	2.5	265	15	3.4	0
18/09/2022 05:30	2.4	266	16	4	0
18/09/2022 05:40	2.7	263	19	3.8	0
18/09/2022 05:50	2.5	269	19	3.6	0
18/09/2022 06:00	2.3	276	17	3.2	0
18/09/2022 06:10	2.5	269	18	4	0
18/09/2022 06:20	2.7	264	17	3.9	0
18/09/2022 06:30	1.7	259	14	3.6	0
18/09/2022 06:40					0
18/09/2022 06:50					0
18/09/2022 07:00					0
18/09/2022 07:10					0
18/09/2022 07:20					0
18/09/2022 07:30					0
18/09/2022 07:40					0
18/09/2022 07:50					0
18/09/2022 08:00					0
18/09/2022 08:10					0
18/09/2022 08:20					0
18/09/2022 08:30					0
18/09/2022 08:40					0
18/09/2022 08:50					0
18/09/2022 09:00					0
18/09/2022 09:10					0
18/09/2022 09:20					0
18/09/2022 09:30					0
18/09/2022 09:40					0
18/09/2022 09:50					0
18/09/2022 10:00					0
18/09/2022 10:10					0
18/09/2022 10:20					0
18/09/2022 10:30					0
18/09/2022 10:40					0
18/09/2022 10:50					0
18/09/2022 11:00					0
18/09/2022 11:10					0
18/09/2022 11:20					0
18/09/2022 11:30					0
18/09/2022 11:40					0
18/09/2022 11:50					0
18/09/2022 12:00					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/09/2022 12:10					0
18/09/2022 12:20	0	226	0	0.4	0
18/09/2022 12:30	4.2	243	12	6.2	0
18/09/2022 12:40	4.5	242	16	6	0
18/09/2022 12:50	4.5	247	20	7	0
18/09/2022 13:00	4.5	247	17	6.3	0
18/09/2022 13:10	3.8	250	18	5.4	0
18/09/2022 13:20	3.3	237	16	6.1	0
18/09/2022 13:30	0.6	248	5	4.7	0
18/09/2022 13:40	3.8	240	14	6.1	0
18/09/2022 13:50	0.7	245	7	5.4	0
18/09/2022 14:00	0.2	243	4	2.5	0
18/09/2022 14:10					0
18/09/2022 14:20					0
18/09/2022 14:30					0
18/09/2022 14:40					0
18/09/2022 14:50					0
18/09/2022 15:00					0
18/09/2022 15:10	1.5	242	7	6.8	0
18/09/2022 15:20	4.8	247	17	6.9	0
18/09/2022 15:30	4.6	242	18	6.5	0
18/09/2022 15:40	4.3	238	17	6.4	0
18/09/2022 15:50	4	241	17	6	0
18/09/2022 16:00	4	235	18	5.4	0
18/09/2022 16:10	3.8	241	20	5.7	0
18/09/2022 16:20	4.2	236	17	6	0
18/09/2022 16:30	4	242	16	6	0
18/09/2022 16:40	4.2	240	18	6.1	0
18/09/2022 16:50	3.5	248	20	5.6	0
18/09/2022 17:00	4.1	247	16	6	0
18/09/2022 17:10	3.9	250	17	5.8	0
18/09/2022 17:20	3.3	251	18	5.2	0
18/09/2022 17:30	3.4	248	18	5.1	0
18/09/2022 17:40	3.4	250	18	5.5	0
18/09/2022 17:50	3.6	257	19	5.3	0
18/09/2022 18:00	3	253	18	4.4	0
18/09/2022 18:10	2.9	259	17	4.7	0
18/09/2022 18:20	3.1	264	18	4.4	0
18/09/2022 18:30	3.1	258	15	4.8	0
18/09/2022 18:40	3.1	260	18	4.3	0
18/09/2022 18:50	2.8	261	16	3.9	0
18/09/2022 19:00	2.6	263	17	4	0
18/09/2022 19:10	2.2	252	14	3.3	0
18/09/2022 19:20	2.2	253	16	2.9	0
18/09/2022 19:30	2.4	251	14	3.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/09/2022 19:40	2.8	249	16	4.4	0
18/09/2022 19:50	3.1	257	18	4.7	0
18/09/2022 20:00	3.2	257	14	4.9	0
18/09/2022 20:10	3.5	258	17	5.6	0
18/09/2022 20:20	3.4	260	17	5.1	0
18/09/2022 20:30	3.2	257	17	4.8	0
18/09/2022 20:40	3	259	20	4.8	0
18/09/2022 20:50	3	248	18	4.4	0
18/09/2022 21:00	3	245	13	4.7	0
18/09/2022 21:10	3.2	244	18	5	0
18/09/2022 21:20	3.1	249	16	4.6	0
18/09/2022 21:30	3.6	250	16	5.3	0
18/09/2022 21:40	3.6	252	15	4.9	0
18/09/2022 21:50	3.3	253	17	4.8	0
18/09/2022 22:00	3.2	249	13	5.1	0
18/09/2022 22:10	2.8	251	17	4	0
18/09/2022 22:20	2.1	258	18	3.3	0
18/09/2022 22:30	2.6	250	15	4.1	0
18/09/2022 22:40	2.1	249	14	3	0
18/09/2022 22:50	1.8	249	17	2.8	0
18/09/2022 23:00	1.9	254	21	2.8	0
18/09/2022 23:10	2	252	22	3.2	0
18/09/2022 23:20	2.2	248	19	3.4	0
18/09/2022 23:30	2.6	250	15	4.2	0
18/09/2022 23:40	3.2	251	16	5.2	0
18/09/2022 23:50	3	253	13	4.7	0
19/09/2022 00:00	4.1	253	14	6	0
19/09/2022 00:10	4.1	252	16	6.1	0
19/09/2022 00:20	4.1	252	15	6.2	0
19/09/2022 00:30	3.5	252	15	5.7	0
19/09/2022 00:40	3.9	252	16	5.6	0
19/09/2022 00:50	3.7	255	15	5.6	0
19/09/2022 01:00	3.8	254	18	6	0
19/09/2022 01:10	3.8	252	16	5.9	0
19/09/2022 01:20	3.9	250	17	5.9	0
19/09/2022 01:30	4.2	250	17	6.3	0
19/09/2022 01:40	3.8	255	16	5.2	0
19/09/2022 01:50	3.8	250	15	5.4	0
19/09/2022 02:00	3.8	247	19	6	0
19/09/2022 02:10	3.4	249	18	5.2	0
19/09/2022 02:20	3.6	239	18	5.4	0
19/09/2022 02:30	3.8	245	18	6	0
19/09/2022 02:40	4	244	16	6.3	0
19/09/2022 02:50	3.7	241	18	6.1	0
19/09/2022 03:00	3.7	247	21	5.8	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/09/2022 03:10	4.2	244	17	6.3	0
19/09/2022 03:20	3.9	237	17	5.7	0
19/09/2022 03:30	4	242	17	6.4	0
19/09/2022 03:40	4	241	17	5.6	0
19/09/2022 03:50	3.2	243	18	5.2	0
19/09/2022 04:00	3.5	250	18	5.8	0
19/09/2022 04:10	3.5	243	21	5.6	0
19/09/2022 04:20	3.2	240	20	4.8	0
19/09/2022 04:30	3.4	241	18	5.2	0
19/09/2022 04:40	3.6	241	16	5.6	0
19/09/2022 04:50	3.8	246	20	5.7	0
19/09/2022 05:00	3.9	244	16	5.8	0
19/09/2022 05:10	4.1	243	16	6.5	0
19/09/2022 05:20	4.2	244	17	6	0
19/09/2022 05:30	4	244	18	6.1	0
19/09/2022 05:40	4.7	242	16	7	0
19/09/2022 05:50	4.2	244	18	5.7	0
19/09/2022 06:00	4	250	17	5.6	0
19/09/2022 06:10	4.1	246	18	6	0
19/09/2022 06:20	3.9	248	17	6.2	0
19/09/2022 06:30	4.2	250	16	6	0
19/09/2022 06:40	4.2	246	18	6.1	0
19/09/2022 06:50	3.9	243	17	6.4	0
19/09/2022 07:00	4.1	238	18	5.9	0
19/09/2022 07:10	3.8	237	18	6.7	0
19/09/2022 07:20	3.9	238	15	7	0
19/09/2022 07:30	4.2	236	14	7.5	0
19/09/2022 07:40					0
19/09/2022 07:50	0	237	0	0.4	0
19/09/2022 08:00					0
19/09/2022 08:10					0
19/09/2022 08:20					0
19/09/2022 08:30					0
19/09/2022 08:40					0
19/09/2022 08:50					0
19/09/2022 09:00					0
19/09/2022 09:10					0
19/09/2022 09:20					0
19/09/2022 09:30					0
19/09/2022 09:40					0
19/09/2022 09:50					0
19/09/2022 10:00					0
19/09/2022 10:10					0
19/09/2022 10:20					0
19/09/2022 10:30					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/09/2022 10:40					0
19/09/2022 10:50					0
19/09/2022 11:00					0
19/09/2022 11:10					0
19/09/2022 11:20					0
19/09/2022 11:30					0
19/09/2022 11:40					0
19/09/2022 11:50					0
19/09/2022 12:00					0
19/09/2022 12:10					0
19/09/2022 12:20					0
19/09/2022 12:30					0
19/09/2022 12:40					0
19/09/2022 12:50					0
19/09/2022 13:00					0
19/09/2022 13:10					0
19/09/2022 13:20					0
19/09/2022 13:30					0
19/09/2022 13:40					0
19/09/2022 13:50					0
19/09/2022 14:00					0
19/09/2022 14:10					0
19/09/2022 14:20					0
19/09/2022 14:30					0
19/09/2022 14:40					0
19/09/2022 14:50					0
19/09/2022 15:00					0
19/09/2022 15:10					0
19/09/2022 15:20					0
19/09/2022 15:30					0
19/09/2022 15:40					0
19/09/2022 15:50					0
19/09/2022 16:00					0
19/09/2022 16:10					0
19/09/2022 16:20					0
19/09/2022 16:30					0
19/09/2022 16:40					0
19/09/2022 16:50					0
19/09/2022 17:00	0	244	1	0.8	0
19/09/2022 17:10	0.1	254	2	1.7	0
19/09/2022 17:20	4.8	258	13	8	0
19/09/2022 17:30	5.6	254	16	7.9	0
19/09/2022 17:40	5.3	255	18	8.2	0
19/09/2022 17:50	6	255	16	7.9	0
19/09/2022 18:00	5.5	258	16	8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/09/2022 18:10	4.9	254	15	7	0
19/09/2022 18:20	4.8	254	15	7	0
19/09/2022 18:30	4.8	251	18	7.5	0
19/09/2022 18:40	4.7	257	16	6.6	0
19/09/2022 18:50	4	253	18	6.2	0
19/09/2022 19:00	4	249	18	6.2	0
19/09/2022 19:10	3.9	249	18	6.1	0
19/09/2022 19:20	3.8	245	20	5.8	0
19/09/2022 19:30	4.2	250	18	6.1	0
19/09/2022 19:40	4	253	14	5.7	0
19/09/2022 19:50	3.4	253	18	5	0
19/09/2022 20:00	3.2	253	15	4.5	0
19/09/2022 20:10	3.1	255	16	4.4	0
19/09/2022 20:20	2.7	247	20	4.2	0
19/09/2022 20:30	2.8	253	17	4	0
19/09/2022 20:40	2.7	257	17	3.7	0
19/09/2022 20:50	2.7	254	17	4	0
19/09/2022 21:00	3.2	239	18	4.9	0
19/09/2022 21:10	3.1	229	16	5.3	0
19/09/2022 21:20	3.2	226	17	4.9	0
19/09/2022 21:30	2.9	227	18	4.7	0
19/09/2022 21:40	2.6	227	19	4	0
19/09/2022 21:50	2.4	230	16	3.7	0
19/09/2022 22:00	2.8	229	17	4.2	0
19/09/2022 22:10	3.3	226	17	5.2	0
19/09/2022 22:20	3.4	224	16	5.4	0
19/09/2022 22:30	3.1	223	16	4.5	0
19/09/2022 22:40	3.1	225	16	4.5	0
19/09/2022 22:50	2.9	222	17	4.4	0
19/09/2022 23:00	3	220	16	4	0
19/09/2022 23:10	3.3	217	15	4.9	0
19/09/2022 23:20	3.6	221	15	5.2	0
19/09/2022 23:30	3.5	223	17	5.2	0
19/09/2022 23:40	3.7	217	13	5.3	0
19/09/2022 23:50	3.8	216	16	6	0
20/09/2022 00:00	3.8	211	16	5.9	0
20/09/2022 00:10	4	209	17	6.2	0
20/09/2022 00:20	4.3	203	18	6.1	0
20/09/2022 00:30	5	204	16	7.9	0
20/09/2022 00:40	4.7	193	17	6.9	0
20/09/2022 00:50	4.6	186	16	6.8	0
20/09/2022 01:00	4.3	189	17	6.4	0
20/09/2022 01:10	4	189	19	6.5	0
20/09/2022 01:20	3.7	187	18	5.6	0
20/09/2022 01:30	3.5	179	20	5.6	0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/09/2022 01:40	4	182	20	5.6	0
20/09/2022 01:50	4.2	181	17	6.5	0
20/09/2022 02:00	4.8	185	16	7.5	0
20/09/2022 02:10	4.4	188	15	7.5	0
20/09/2022 02:20	4.3	183	17	6.5	0
20/09/2022 02:30	4.3	182	16	6.5	0
20/09/2022 02:40	4.5	187	16	6.4	0
20/09/2022 02:50	4.8	187	16	7	0
20/09/2022 03:00	4	187	16	6	0
20/09/2022 03:10	4.2	186	16	6	0
20/09/2022 03:20	4.1	187	14	6.5	0
20/09/2022 03:30	4.3	183	14	6.8	0
20/09/2022 03:40	4	185	14	6.4	0
20/09/2022 03:50	3.4	188	16	5	0
20/09/2022 04:00	3.8	187	17	7.2	0
20/09/2022 04:10	3.8	182	14	5.8	0
20/09/2022 04:20	3.4	181	17	6.2	0
20/09/2022 04:30	2.9	176	19	4.9	0
20/09/2022 04:40	3.2	182	15	5.6	0
20/09/2022 04:50	3.2	179	19	5.2	0
20/09/2022 05:00	3.2	186	18	4.8	0
20/09/2022 05:10	2.7	184	18	4.4	0
20/09/2022 05:20	2.7	186	17	4.8	0
20/09/2022 05:30	2	186	19	3.1	0
20/09/2022 05:40	2.3	188	18	3.6	0
20/09/2022 05:50	2.3	179	18	3.6	0
20/09/2022 06:00	2.1	174	19	3.2	0
20/09/2022 06:10	2.2	166	23	3.6	0
20/09/2022 06:20	2	160	24	3.4	0
20/09/2022 06:30	1	155	17	2.2	0
20/09/2022 06:40					0
20/09/2022 06:50					0
20/09/2022 07:00					0
20/09/2022 07:10					0
20/09/2022 07:20					0
20/09/2022 07:30					0
20/09/2022 07:40					0
20/09/2022 07:50					0
20/09/2022 08:00					0
20/09/2022 08:10					0
20/09/2022 08:20					0
20/09/2022 08:30					0
20/09/2022 08:40					0
20/09/2022 08:50					0
20/09/2022 09:00					0



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/09/2022 09:10					0
20/09/2022 09:20					0
20/09/2022 09:30					0
20/09/2022 09:40					0
20/09/2022 09:50					0
20/09/2022 10:00					0
20/09/2022 10:10					0
20/09/2022 10:20					0
20/09/2022 10:30					0
20/09/2022 10:40					0
20/09/2022 10:50					0
20/09/2022 11:00					0
20/09/2022 11:10					0
20/09/2022 11:20					0
20/09/2022 11:30					0
20/09/2022 11:40					0
20/09/2022 11:50					0
20/09/2022 12:00					0
20/09/2022 12:10					0
20/09/2022 12:20					0
20/09/2022 12:30					0
20/09/2022 12:40					0
20/09/2022 12:50					0
20/09/2022 13:00					0
20/09/2022 13:10					0
20/09/2022 13:20					0
20/09/2022 13:30					0
20/09/2022 13:40					0
20/09/2022 13:50					0
20/09/2022 14:00					0
20/09/2022 14:10					0
20/09/2022 14:20					0
20/09/2022 14:30					0
20/09/2022 14:40					0
20/09/2022 14:50					0
20/09/2022 15:00					0
20/09/2022 15:10					0
20/09/2022 15:20					0
20/09/2022 15:30					0
20/09/2022 15:40					0
20/09/2022 15:50					0
20/09/2022 16:00					0
20/09/2022 16:10					0
20/09/2022 16:20					0
20/09/2022 16:30					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/09/2022 16:40					0
20/09/2022 16:50					0
20/09/2022 17:00					0
20/09/2022 17:10					0
20/09/2022 17:20					0
20/09/2022 17:30	1.2	294	57	2.8	0
20/09/2022 17:40					0
20/09/2022 17:50	1.7	294	46	3.6	0
20/09/2022 18:00	1.6	295	38	3.2	0
20/09/2022 18:10	1.7	296	49	3.5	0
20/09/2022 18:20	1.9	278	29	3.1	0
20/09/2022 18:30	1.5	290	33	2.8	0
20/09/2022 18:40	1.8	271	30	3	0
20/09/2022 18:50	2.1	259	23	3.3	0
20/09/2022 19:00	2.3	256	19	3.2	0
20/09/2022 19:10	2.3	256	22	4	0
20/09/2022 19:20	2	261	28	3.2	0
20/09/2022 19:30	2.1	254	22	2.9	0
20/09/2022 19:40	1.7	263	23	2.9	0
20/09/2022 19:50	1.9	256	19	2.7	0
20/09/2022 20:00	1.9	261	18	2.9	0
20/09/2022 20:10	1.7	255	17	2.8	0
20/09/2022 20:20	2.1	251	15	3.1	0
20/09/2022 20:30	2.3	252	14	3.2	0
20/09/2022 20:40	2.4	252	13	3.4	0
20/09/2022 20:50	2.2	252	14	3.2	0
20/09/2022 21:00	2.1	255	13	3.1	0
20/09/2022 21:10	2.3	255	13	3.3	0
20/09/2022 21:20	2.4	256	11	3.5	0
20/09/2022 21:30	1.7	263	14	2.6	0
20/09/2022 21:40	2.1	256	13	2.8	0
20/09/2022 21:50	2	250	14	3.1	0
20/09/2022 22:00	2.2	252	12	2.8	0
20/09/2022 22:10	2	257	13	2.7	0
20/09/2022 22:20	1.8	255	11	2.4	0
20/09/2022 22:30	2	260	14	2.7	0
20/09/2022 22:40	1.9	256	11	2.4	0
20/09/2022 22:50	2	258	12	2.8	0
20/09/2022 23:00	1.8	261	12	2.5	0
20/09/2022 23:10	1.9	262	17	2.4	0
20/09/2022 23:20	1.7	262	14	2.2	0
20/09/2022 23:30	1.5	260	14	2.1	0
20/09/2022 23:40	1.5	270	16	2.2	0
20/09/2022 23:50	1.5	275	18	2.2	0
21/09/2022 00:00	1.2	284	21	1.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/09/2022 00:10	1.1	272	22	2	0
21/09/2022 00:20	1.5	271	17	2	0
21/09/2022 00:30	1.5	264	15	2	0
21/09/2022 00:40	1.5	260	14	2.2	0
21/09/2022 00:50	1.6	255	17	2.8	0
21/09/2022 01:00	1.3	249	14	2	0
21/09/2022 01:10	1	227	57	1.6	0
21/09/2022 01:20	0.1	175	1	0.5	0
21/09/2022 01:30	0.3	261	14	0.6	0
21/09/2022 01:40	0	274	2	0.8	0
21/09/2022 01:50	0.5	204	48	1	0
21/09/2022 02:00	1.2	242	10	1.6	0
21/09/2022 02:10	0.8	244	8	1.1	0
21/09/2022 02:20	1.3	242	9	1.6	0
21/09/2022 02:30	1.1	233	22	1.6	0
21/09/2022 02:40	1	242	12	1.2	0
21/09/2022 02:50	0.9	258	27	1.2	0
21/09/2022 03:00	0.6	299	47	1.1	0
21/09/2022 03:10	0.6	162	22	1	0
21/09/2022 03:20	0.3	185	13	0.6	0
21/09/2022 03:30	0.5	324	44	0.9	0
21/09/2022 03:40	0.2	36	12	0.7	0
21/09/2022 03:50	0.5	258	39	1.1	0
21/09/2022 04:00	0.7	255	24	1.2	0
21/09/2022 04:10	0.6	172	50	1.4	0
21/09/2022 04:20	0.3	263	54	1.1	0
21/09/2022 04:30	0.4	177	18	0.8	0
21/09/2022 04:40	0.2	216	39	0.8	0
21/09/2022 04:50	0.1	165	13	0.8	0
21/09/2022 05:00	0.6	291	50	1.2	0
21/09/2022 05:10	0.8	355	15	1.1	0
21/09/2022 05:20	0.7	184	16	1.1	0
21/09/2022 05:30	0.7	357	18	1	0
21/09/2022 05:40	1	341	11	1.4	0
21/09/2022 05:50	1	346	12	1.4	0
21/09/2022 06:00	0.5	35	46	1.1	0
21/09/2022 06:10	0.2	154	38	0.8	0
21/09/2022 06:20	0.2	124	6	0.5	0
21/09/2022 06:30					0
21/09/2022 06:40					0
21/09/2022 06:50					0
21/09/2022 07:00					0
21/09/2022 07:10					0
21/09/2022 07:20					0
21/09/2022 07:30					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/09/2022 07:40					0
21/09/2022 07:50					0
21/09/2022 08:00					0
21/09/2022 08:10					0
21/09/2022 08:20					0
21/09/2022 08:30					0
21/09/2022 08:40					0
21/09/2022 08:50					0
21/09/2022 09:00					0
21/09/2022 09:10					0
21/09/2022 09:20					0
21/09/2022 09:30					0
21/09/2022 09:40					0
21/09/2022 09:50					0
21/09/2022 10:00					0
21/09/2022 10:10					0
21/09/2022 10:20					0
21/09/2022 10:30					0
21/09/2022 10:40					0
21/09/2022 10:50					0
21/09/2022 11:00					0
21/09/2022 11:10					0
21/09/2022 11:20					0
21/09/2022 11:30					0
21/09/2022 11:40					0
21/09/2022 11:50					0
21/09/2022 12:00					0
21/09/2022 12:10					0
21/09/2022 12:20					0
21/09/2022 12:30					0
21/09/2022 12:40					0
21/09/2022 12:50					0
21/09/2022 13:00					0
21/09/2022 13:10					0
21/09/2022 13:20					0
21/09/2022 13:30					0
21/09/2022 13:40					0
21/09/2022 13:50					0
21/09/2022 14:00					0
21/09/2022 14:10					0
21/09/2022 14:20					0
21/09/2022 14:30					0
21/09/2022 14:40					0
21/09/2022 14:50					0
21/09/2022 15:00					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/09/2022 15:10					0
21/09/2022 15:20					0
21/09/2022 15:30					0
21/09/2022 15:40					0
21/09/2022 15:50					0
21/09/2022 16:00					0
21/09/2022 16:10					0
21/09/2022 16:20					0
21/09/2022 16:30					0
21/09/2022 16:40					0
21/09/2022 16:50					0
21/09/2022 17:00					0
21/09/2022 17:10					0
21/09/2022 17:20					0
21/09/2022 17:30					0
21/09/2022 17:40					0
21/09/2022 17:50					0
21/09/2022 18:00					0
21/09/2022 18:10					0
21/09/2022 18:20					0
21/09/2022 18:30					0
21/09/2022 18:40					0
21/09/2022 18:50					0
21/09/2022 19:00					0
21/09/2022 19:10					0
21/09/2022 19:20					0
21/09/2022 19:30					0
21/09/2022 19:40					0
21/09/2022 19:50					0
21/09/2022 20:00	0	253	1	0.6	0
21/09/2022 20:10	0.3	253	3	1.6	0
21/09/2022 20:20					0
21/09/2022 20:30	0	244	0	0.4	0
21/09/2022 20:40	1.3	246	6	3.2	0
21/09/2022 20:50	2	246	12	2.6	0
21/09/2022 21:00	2.4	254	12	3.2	0
21/09/2022 21:10	2.3	252	12	3.2	0
21/09/2022 21:20	2.1	246	13	2.8	0
21/09/2022 21:30	2.3	255	15	2.8	0
21/09/2022 21:40	2.4	256	13	3.4	0
21/09/2022 21:50	2.6	253	10	3.6	0
21/09/2022 22:00	2.6	250	12	3.4	0
21/09/2022 22:10	2.5	252	11	3.3	0
21/09/2022 22:20	2.4	259	11	3.2	0
21/09/2022 22:30	2.1	261	14	3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/09/2022 22:40	1.8	263	14	2.8	0
21/09/2022 22:50	2.2	267	16	2.8	0
21/09/2022 23:00	2.1	264	16	2.9	0
21/09/2022 23:10	2.4	264	14	3.4	0
21/09/2022 23:20	2.4	264	13	3.3	0
21/09/2022 23:30	2.4	268	15	3.5	0
21/09/2022 23:40	2.5	265	12	3.2	0
21/09/2022 23:50	2.5	260	13	3.4	0
22/09/2022 00:00	2.5	257	15	3.5	0
22/09/2022 00:10	2.6	264	15	3.6	0
22/09/2022 00:20	2.3	263	15	3.2	0
22/09/2022 00:30	2.3	268	13	3.2	0
22/09/2022 00:40	2.4	269	17	3.1	0
22/09/2022 00:50	2.5	263	15	3.7	0
22/09/2022 01:00	2.5	255	16	3.6	0
22/09/2022 01:10	2.6	256	17	3.6	0
22/09/2022 01:20	2.5	257	17	3.5	0
22/09/2022 01:30	2.4	265	16	3.4	0
22/09/2022 01:40	2.4	263	14	3.2	0
22/09/2022 01:50	2.4	263	15	3.2	0
22/09/2022 02:00	2.3	263	13	3.2	0
22/09/2022 02:10	2.2	261	16	3.2	0
22/09/2022 02:20	2.3	260	16	3.3	0
22/09/2022 02:30	2.5	261	14	3.7	0
22/09/2022 02:40	2.6	259	14	3.6	0
22/09/2022 02:50	2.6	261	16	4	0
22/09/2022 03:00	2.9	259	13	3.9	0
22/09/2022 03:10	2.3	248	17	3.7	0
22/09/2022 03:20	2.3	246	17	3.3	0
22/09/2022 03:30	2.2	255	17	3.5	0
22/09/2022 03:40	2.5	253	15	3.5	0
22/09/2022 03:50	2.4	268	14	3.2	0
22/09/2022 04:00	2.3	271	17	3	0
22/09/2022 04:10	2.4	273	14	3.2	0
22/09/2022 04:20	2.2	274	16	3	0
22/09/2022 04:30	2.3	273	17	3.2	0
22/09/2022 04:40	2.3	264	14	3.2	0
22/09/2022 04:50	2.3	270	14	3.2	0
22/09/2022 05:00	2.5	271	15	3.7	0
22/09/2022 05:10	2.4	264	15	3.4	0
22/09/2022 05:20	2.3	268	17	3.2	0
22/09/2022 05:30	2.2	271	18	3.2	0
22/09/2022 05:40	2.2	269	15	3.1	0
22/09/2022 05:50	2.3	273	18	3.2	0
22/09/2022 06:00	1.9	271	16	3	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/09/2022 06:10	1.8	268	18	2.5	0
22/09/2022 06:20	1	278	16	2.2	0
22/09/2022 06:30					0
22/09/2022 06:40					0
22/09/2022 06:50					0
22/09/2022 07:00					0
22/09/2022 07:10					0
22/09/2022 07:20					0
22/09/2022 07:30					0
22/09/2022 07:40					0
22/09/2022 07:50					0
22/09/2022 08:00					0
22/09/2022 08:10					0
22/09/2022 08:20					0
22/09/2022 08:30					0
22/09/2022 08:40					0
22/09/2022 08:50					0
22/09/2022 09:00					0
22/09/2022 09:10	0.6	98	34	2.6	0
22/09/2022 09:20	1.1	137	36	2	0
22/09/2022 09:30	0.5	78	18	1.8	0
22/09/2022 09:40	1.2	127	42	1.8	0
22/09/2022 09:50	0.6	119	21	2.4	0
22/09/2022 10:00	0.7	127	28	2	0
22/09/2022 10:10	1.3	136	36	2.4	0
22/09/2022 10:20	1.6	123	28	3.1	0
22/09/2022 10:30	1.3	158	49	2.1	0
22/09/2022 10:40	1.3	137	39	2.4	0
22/09/2022 10:50	1.2	122	28	2.2	0
22/09/2022 11:00	1	127	47	2.7	0
22/09/2022 11:10	1.3	76	56	2.3	0
22/09/2022 11:20	1.4	90	41	2.5	0
22/09/2022 11:30					0
22/09/2022 11:40	1.1	333	86	2	0
22/09/2022 11:50	1.9	290	48	2.9	0
22/09/2022 12:00	1.9	332	32	3.3	0
22/09/2022 12:10	1.6	327	42	2.8	0
22/09/2022 12:20	1.9	311	37	3.2	0
22/09/2022 12:30	1.9	315	38	3.9	0
22/09/2022 12:40	2.1	342	34	3.6	0
22/09/2022 12:50	2.2	330	29	3.3	0
22/09/2022 13:00	2.2	330	39	4	0
22/09/2022 13:10	1.9	295	46	3.4	0
22/09/2022 13:20	1.8	327	34	3.1	0
22/09/2022 13:30	2	292	41	3.5	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/09/2022 13:40	1.9	284	44	3.4	0
22/09/2022 13:50	2.4	305	33	3.5	0
22/09/2022 14:00	2.1	280	45	3.7	0
22/09/2022 14:10	1	290	14	2.4	0
22/09/2022 14:20					0
22/09/2022 14:30					0
22/09/2022 14:40					0
22/09/2022 14:50					0
22/09/2022 15:00					0
22/09/2022 15:10					0
22/09/2022 15:20					0
22/09/2022 15:30	1.6	253	12	4.1	0
22/09/2022 15:40	3.1	250	17	5	0
22/09/2022 15:50	1.6	251	8	2.8	0
22/09/2022 16:00	0.4	242	6	4	0
22/09/2022 16:10	1.3	237	9	4.4	0
22/09/2022 16:20	3.6	240	14	4.6	0
22/09/2022 16:30	3.7	240	15	4.9	0
22/09/2022 16:40	3.6	241	13	4.6	0
22/09/2022 16:50	3.1	243	15	4.3	0
22/09/2022 17:00	3.4	240	14	4.5	0
22/09/2022 17:10	3.8	243	13	4.8	0
22/09/2022 17:20	3.7	242	12	4.7	0
22/09/2022 17:30	3.5	247	15	4.7	0
22/09/2022 17:40	3.4	251	13	4.8	0
22/09/2022 17:50	3	249	14	4.4	0
22/09/2022 18:00	2.3	253	13	3.1	0
22/09/2022 18:10	2.3	256	16	3.1	0
22/09/2022 18:20	2.7	254	12	3.8	0
22/09/2022 18:30	2.9	251	11	4	0
22/09/2022 18:40	2.8	247	13	3.7	0
22/09/2022 18:50	2.7	248	12	3.5	0
22/09/2022 19:00	2.9	249	13	4	0
22/09/2022 19:10	3	256	14	4.2	0
22/09/2022 19:20	2.5	252	14	3.5	0
22/09/2022 19:30	3.3	245	14	4.6	0
22/09/2022 19:40	3.1	250	14	4.4	0
22/09/2022 19:50	3	249	16	4.5	0
22/09/2022 20:00	3.3	251	13	4.8	0
22/09/2022 20:10	2.4	262	18	3.7	0
22/09/2022 20:20	2.6	257	20	4	0
22/09/2022 20:30	2.4	256	17	3.5	0
22/09/2022 20:40	2.3	260	18	3.3	0
22/09/2022 20:50	2.1	265	20	3.3	0
22/09/2022 21:00	2.3	259	20	3.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/09/2022 21:10	2.6	258	19	4.2	0
22/09/2022 21:20	2.5	257	15	3.5	0
22/09/2022 21:30	2.5	262	15	3.8	0
22/09/2022 21:40	2.3	260	18	3.4	0
22/09/2022 21:50	2.3	261	20	3.7	0
22/09/2022 22:00	2.1	260	18	3.2	0
22/09/2022 22:10	2.2	260	18	3	0
22/09/2022 22:20	2.5	259	15	3.6	0
22/09/2022 22:30	2.4	259	16	3.6	0
22/09/2022 22:40	2.6	253	15	3.6	0
22/09/2022 22:50	3.1	256	15	4.6	0
22/09/2022 23:00	2.8	263	13	4	0
22/09/2022 23:10	3.2	256	13	4.4	0
22/09/2022 23:20	3.2	256	13	4.5	0
22/09/2022 23:30	3	258	15	4.2	0
22/09/2022 23:40	2.6	262	17	3.6	0
22/09/2022 23:50	2.5	261	14	3.7	0
23/09/2022 00:00	2.9	256	13	4	0
23/09/2022 00:10	3	261	13	4.3	0
23/09/2022 00:20	3.2	265	11	4.5	0
23/09/2022 00:30	3.2	256	11	4.5	0
23/09/2022 00:40	3.2	256	12	4	0
23/09/2022 00:50	3	256	12	4.3	0
23/09/2022 01:00	3	259	12	4.1	0
23/09/2022 01:10	3.1	260	15	4.6	0
23/09/2022 01:20	2.6	260	12	4	0
23/09/2022 01:30	2.7	264	16	3.6	0
23/09/2022 01:40	2.7	263	16	3.9	0
23/09/2022 01:50	2.7	264	17	3.6	0
23/09/2022 02:00	2.9	262	14	4.3	0
23/09/2022 02:10	3.1	260	15	4.1	0
23/09/2022 02:20	2.9	261	15	4.1	0
23/09/2022 02:30	2.8	261	16	3.9	0
23/09/2022 02:40	2.9	265	14	4.3	0
23/09/2022 02:50	2.5	266	18	4.1	0
23/09/2022 03:00	2.7	264	16	3.8	0
23/09/2022 03:10	2.5	264	13	3.4	0
23/09/2022 03:20	2.4	265	14	3.2	0
23/09/2022 03:30	2.3	262	18	3.2	0
23/09/2022 03:40	2.5	262	16	3.7	0
23/09/2022 03:50	2.6	257	16	4	0
23/09/2022 04:00	2.5	264	16	3.9	0
23/09/2022 04:10	2.6	260	15	3.7	0
23/09/2022 04:20	2.7	255	13	3.5	0
23/09/2022 04:30	2.5	261	15	3.2	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/09/2022 04:40	2.6	262	15	3.5	0
23/09/2022 04:50	2.6	261	16	3.6	0
23/09/2022 05:00	2.7	261	15	3.7	0
23/09/2022 05:10	2.7	259	13	4	0
23/09/2022 05:20	3	258	14	4.4	0
23/09/2022 05:30	2.8	257	14	4	0
23/09/2022 05:40	2.9	256	13	4.2	0
23/09/2022 05:50	3.6	258	13	5	0
23/09/2022 06:00	3.4	258	12	5.2	0
23/09/2022 06:10	3.5	258	14	4.7	0
23/09/2022 06:20	3	258	15	4.2	0
23/09/2022 06:30	2.8	251	16	4.3	0
23/09/2022 06:40	2.7	247	17	4	0
23/09/2022 06:50	1.8	246	11	4	0
23/09/2022 07:00					0
23/09/2022 07:10					0
23/09/2022 07:20					0
23/09/2022 07:30					0
23/09/2022 07:40					0
23/09/2022 07:50					0
23/09/2022 08:00					0
23/09/2022 08:10					0
23/09/2022 08:20					0
23/09/2022 08:30					0
23/09/2022 08:40					0
23/09/2022 08:50					0
23/09/2022 09:00					0
23/09/2022 09:10					0
23/09/2022 09:20					0
23/09/2022 09:30					0
23/09/2022 09:40					0
23/09/2022 09:50					0
23/09/2022 10:00					0
23/09/2022 10:10					0
23/09/2022 10:20	0	228	1	0.4	0
23/09/2022 10:30					0
23/09/2022 10:40					0
23/09/2022 10:50					0
23/09/2022 11:00					0
23/09/2022 11:10					0
23/09/2022 11:20					0
23/09/2022 11:30					0
23/09/2022 11:40					0
23/09/2022 11:50	0	240	4	0.4	0
23/09/2022 12:00					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/09/2022 12:10	0.2	329	10	2.2	0
23/09/2022 12:20	1.2	265	23	4.1	0
23/09/2022 12:30	1.1	289	24	4.1	0
23/09/2022 12:40	1.2	299	27	3.6	0
23/09/2022 12:50	0.6	288	16	2.9	0
23/09/2022 13:00	0.7	273	13	3.7	0
23/09/2022 13:10	0.2	270	4	3.3	0
23/09/2022 13:20	0.9	265	8	4.4	0
23/09/2022 13:30					0
23/09/2022 13:40					0
23/09/2022 13:50					0
23/09/2022 14:00	0.1	239	4	2.4	0
23/09/2022 14:10					0
23/09/2022 14:20					0
23/09/2022 14:30					0
23/09/2022 14:40	2	244	10	6.5	0
23/09/2022 14:50	3.6	245	13	6.2	0
23/09/2022 15:00	1.3	233	7	5.7	0
23/09/2022 15:10					0
23/09/2022 15:20					0
23/09/2022 15:30					0
23/09/2022 15:40					0
23/09/2022 15:50					0
23/09/2022 16:00					0
23/09/2022 16:10					0
23/09/2022 16:20	0.5	246	6	3.6	0
23/09/2022 16:30	4.2	240	16	5.7	0
23/09/2022 16:40	4.7	246	15	6.4	0
23/09/2022 16:50	5.1	248	14	7.2	0
23/09/2022 17:00	4.8	252	16	6.5	0
23/09/2022 17:10	3.9	258	16	5.6	0
23/09/2022 17:20	4.2	248	13	5.6	0
23/09/2022 17:30	4.1	250	14	5.6	0
23/09/2022 17:40	4	253	14	5.2	0
23/09/2022 17:50	4.4	249	12	6.4	0
23/09/2022 18:00	4.4	252	14	6	0
23/09/2022 18:10	4.1	252	14	5.6	0
23/09/2022 18:20	3.6	261	16	5.2	0
23/09/2022 18:30	3.4	265	17	5.6	0
23/09/2022 18:40	3.2	263	16	4.6	0
23/09/2022 18:50	3.8	261	16	5.6	0
23/09/2022 19:00	3.8	263	14	5.5	0
23/09/2022 19:10	3.6	263	16	5.4	0
23/09/2022 19:20	3.5	263	17	5.2	0
23/09/2022 19:30	3.5	266	16	4.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/09/2022 19:40	3.3	263	18	5	0
23/09/2022 19:50	3.3	262	18	5.7	0
23/09/2022 20:00	3.2	259	17	4.8	0
23/09/2022 20:10	3.3	257	17	4.4	0
23/09/2022 20:20	2.9	261	15	4.4	0
23/09/2022 20:30	2.8	263	16	4.3	0
23/09/2022 20:40	2.8	266	17	4.1	0
23/09/2022 20:50	3.2	265	18	4.8	0
23/09/2022 21:00	3	264	20	4.6	0
23/09/2022 21:10	3.1	266	18	5.2	0
23/09/2022 21:20	3	268	19	4.4	0
23/09/2022 21:30	3	266	19	4.7	0
23/09/2022 21:40	3.1	265	15	4.8	0
23/09/2022 21:50	3	264	14	4.4	0
23/09/2022 22:00	2.9	257	18	4.8	0
23/09/2022 22:10	2.9	253	17	4.2	0
23/09/2022 22:20	3.7	257	14	5.4	0
23/09/2022 22:30	3.9	254	17	5.2	0
23/09/2022 22:40	3.3	257	16	5.2	0
23/09/2022 22:50	3.4	257	14	4.8	0
23/09/2022 23:00	2.9	258	13	4.2	0
23/09/2022 23:10	3.1	258	17	4.6	0
23/09/2022 23:20	3.1	250	16	4.8	0
23/09/2022 23:30	3.2	251	17	4.9	0
23/09/2022 23:40	3.1	248	18	4.4	0
23/09/2022 23:50	3.2	249	19	5	0
24/09/2022 00:00	3.5	248	19	5.5	0
24/09/2022 00:10	3.4	244	16	5.4	0
24/09/2022 00:20	3.3	254	15	5	0
24/09/2022 00:30	3.3	252	16	5.2	0
24/09/2022 00:40	3.4	256	18	5.2	0
24/09/2022 00:50	3.7	258	19	5.1	0
24/09/2022 01:00	3.6	258	16	5.4	0
24/09/2022 01:10	3.5	254	16	4.8	0
24/09/2022 01:20	2.4	249	16	3.8	0
24/09/2022 01:30	2.1	251	15	3.2	0
24/09/2022 01:40	3.2	252	15	4.3	0
24/09/2022 01:50	3.6	253	13	5	0
24/09/2022 02:00	3.5	253	16	5.2	0
24/09/2022 02:10	2.4	250	20	4.2	0
24/09/2022 02:20	2.9	253	19	4.6	0
24/09/2022 02:30	3.7	257	16	5.3	0
24/09/2022 02:40	3.9	256	17	5.4	0
24/09/2022 02:50	4.4	255	13	6.4	0
24/09/2022 03:00	4.3	256	13	6	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/09/2022 03:10	3.8	255	14	5.7	0
24/09/2022 03:20	3.7	246	19	6	0
24/09/2022 03:30	3.5	251	19	5.5	0
24/09/2022 03:40	3.7	247	14	5.8	0
24/09/2022 03:50	3.8	241	14	5.6	0
24/09/2022 04:00	3.7	242	18	5.4	0
24/09/2022 04:10	3.2	244	17	5.1	0
24/09/2022 04:20	3.3	248	18	5	0
24/09/2022 04:30	3.2	252	16	5	0
24/09/2022 04:40	3.2	252	16	4.9	0
24/09/2022 04:50	3.8	255	16	5.2	0
24/09/2022 05:00	3.6	257	13	4.8	0
24/09/2022 05:10	3.5	257	14	4.6	0
24/09/2022 05:20	3.4	257	13	4.8	0
24/09/2022 05:30	3.6	254	14	4.9	0
24/09/2022 05:40	3.6	255	15	5.1	0
24/09/2022 05:50	3.6	256	18	4.8	0
24/09/2022 06:00	3.6	253	18	5.1	0
24/09/2022 06:10	3.4	254	14	4.8	0
24/09/2022 06:20	3.7	250	14	5.1	0
24/09/2022 06:30	3.5	254	15	5.2	0
24/09/2022 06:40	3.6	254	11	4.9	0
24/09/2022 06:50	3.1	251	16	4.4	0
24/09/2022 07:00	2.3	253	17	4.3	0
24/09/2022 07:10					0
24/09/2022 07:20					0
24/09/2022 07:30					0
24/09/2022 07:40					0
24/09/2022 07:50					0
24/09/2022 08:00					0
24/09/2022 08:10					0
24/09/2022 08:20					0
24/09/2022 08:30					0
24/09/2022 08:40					0
24/09/2022 08:50					0
24/09/2022 09:00					0
24/09/2022 09:10					0
24/09/2022 09:20					0
24/09/2022 09:30					0
24/09/2022 09:40					0
24/09/2022 09:50					0
24/09/2022 10:00					0
24/09/2022 10:10					0
24/09/2022 10:20					0
24/09/2022 10:30					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/09/2022 10:40					0
24/09/2022 10:50					0
24/09/2022 11:00					0
24/09/2022 11:10					0
24/09/2022 11:20					0
24/09/2022 11:30					0
24/09/2022 11:40					0
24/09/2022 11:50	0.3	250	5	5.4	0
24/09/2022 12:00	3.1	245	15	5.8	0
24/09/2022 12:10	0.2	267	15	2.4	0
24/09/2022 12:20	0.1	255	4	5.2	0
24/09/2022 12:30	0	250	0	0.8	0
24/09/2022 12:40	0.1	257	0	4	0
24/09/2022 12:50	0	272	0	1.1	0
24/09/2022 13:00	0.1	251	2	3.6	0
24/09/2022 13:10	0.1	298	0	3.5	0
24/09/2022 13:20					0
24/09/2022 13:30					0
24/09/2022 13:40					0
24/09/2022 13:50					0
24/09/2022 14:00					0
24/09/2022 14:10					0
24/09/2022 14:20					0
24/09/2022 14:30					0
24/09/2022 14:40	0	262	0	0.4	0
24/09/2022 14:50					0
24/09/2022 15:00					0
24/09/2022 15:10	0.1	253	2	2.8	0
24/09/2022 15:20					0
24/09/2022 15:30					0
24/09/2022 15:40	0.4	250	2	3.7	0
24/09/2022 15:50	0	260	0	0.8	0
24/09/2022 16:00	1.2	245	8	7.2	0
24/09/2022 16:10	4.1	248	13	10.3	0
24/09/2022 16:20	5.6	248	15	8.6	0
24/09/2022 16:30	5.4	248	14	7.7	0
24/09/2022 16:40	5.4	249	13	7.7	0
24/09/2022 16:50	4.6	247	17	6.5	0
24/09/2022 17:00	5	245	16	7.6	0
24/09/2022 17:10	4.7	249	16	7.5	0
24/09/2022 17:20	5	252	14	6.7	0
24/09/2022 17:30	4.9	255	14	7.1	0
24/09/2022 17:40	4.9	255	14	6.6	0
24/09/2022 17:50	4.5	253	13	6	0
24/09/2022 18:00	4.7	250	16	6.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/09/2022 18:10	4.4	249	15	6.5	0
24/09/2022 18:20	4.9	251	14	7.1	0
24/09/2022 18:30	4.9	252	12	6.8	0
24/09/2022 18:40	5.1	255	13	6.7	0
24/09/2022 18:50	4.3	257	16	6	0
24/09/2022 19:00	4.7	257	12	6.3	0
24/09/2022 19:10	4.4	259	15	5.9	0
24/09/2022 19:20	4.4	259	17	6.4	0
24/09/2022 19:30	4.3	257	16	5.8	0
24/09/2022 19:40	4.4	258	14	6.1	0
24/09/2022 19:50	4.5	257	14	6.4	0
24/09/2022 20:00	4.1	250	15	5.9	0
24/09/2022 20:10	4.3	251	17	6.4	0
24/09/2022 20:20	4.9	258	14	6.4	0
24/09/2022 20:30	4.7	255	16	6.8	0
24/09/2022 20:40	4.1	253	16	6.1	0
24/09/2022 20:50	3.5	250	17	5.2	0
24/09/2022 21:00	4.2	250	15	6.1	0
24/09/2022 21:10	3.5	252	13	5.2	0
24/09/2022 21:20	2.9	259	20	4.4	0
24/09/2022 21:30	3.3	256	17	5.1	0
24/09/2022 21:40	3.2	257	15	4.8	0
24/09/2022 21:50	3	257	18	4.8	0
24/09/2022 22:00	3	254	16	4.4	0
24/09/2022 22:10	2.7	257	16	4.1	0
24/09/2022 22:20	3	260	18	4.6	0
24/09/2022 22:30	2.6	258	16	4	0
24/09/2022 22:40	2.9	257	14	4.4	0
24/09/2022 22:50	3.1	258	13	4.4	0
24/09/2022 23:00	3.4	261	15	4.7	0
24/09/2022 23:10	2.9	262	15	3.9	0
24/09/2022 23:20	2.7	257	13	3.9	0
24/09/2022 23:30	2.9	262	14	4.3	0
24/09/2022 23:40	2.8	263	14	3.9	0
24/09/2022 23:50	2.8	262	14	4.1	0
25/09/2022 00:00	2.7	262	17	4.1	0
25/09/2022 00:10	2.8	261	13	3.7	0
25/09/2022 00:20	3	263	17	4.4	0
25/09/2022 00:30	3.1	261	14	4.7	0
25/09/2022 00:40	3.1	265	15	4.3	0
25/09/2022 00:50	3.2	263	14	4.2	0
25/09/2022 01:00	3	262	14	4.3	0
25/09/2022 01:10	2.8	264	16	3.8	0
25/09/2022 01:20	2.9	262	15	4	0
25/09/2022 01:30	3.3	259	15	4.7	0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/09/2022 01:40	3.6	261	13	5	0
25/09/2022 01:50	3.4	262	14	4.7	0
25/09/2022 02:00	3.3	261	13	4.4	0
25/09/2022 02:10	3.1	263	15	4.3	0
25/09/2022 02:20	3.1	266	15	4.7	0
25/09/2022 02:30	2.9	265	16	4.4	0
25/09/2022 02:40	2.7	265	18	3.9	0
25/09/2022 02:50	2.7	258	15	4	0
25/09/2022 03:00	2.8	263	15	3.7	0
25/09/2022 03:10	2.8	257	17	4	0
25/09/2022 03:20	3	260	15	4.4	0
25/09/2022 03:30	3.1	265	17	4.3	0
25/09/2022 03:40	2.9	265	15	4.2	0
25/09/2022 03:50	3.1	269	17	4	0
25/09/2022 04:00	3.3	266	15	4.6	0
25/09/2022 04:10	2.9	269	20	4.2	0
25/09/2022 04:20	2.7	271	17	3.9	0
25/09/2022 04:30	2.9	269	15	3.9	0
25/09/2022 04:40	2.6	271	17	4	0
25/09/2022 04:50	2.5	284	20	4	0
25/09/2022 05:00	2.6	293	18	3.6	0
25/09/2022 05:10	2.8	293	20	4	0
25/09/2022 05:20	2.6	301	19	3.7	0
25/09/2022 05:30	2.6	311	18	3.7	0
25/09/2022 05:40	2.3	306	19	3.6	0
25/09/2022 05:50	2	282	28	3.6	0
25/09/2022 06:00	1.9	301	27	3.2	0
25/09/2022 06:10	1.5	285	26	2.6	0
25/09/2022 06:20	1.2	306	39	2	0
25/09/2022 06:30	1.5	276	31	3.1	0
25/09/2022 06:40	0.3	285	12	1.7	0
25/09/2022 06:50					0
25/09/2022 07:00					0
25/09/2022 07:10					0
25/09/2022 07:20					0
25/09/2022 07:30					0
25/09/2022 07:40					0
25/09/2022 07:50					0
25/09/2022 08:00					0
25/09/2022 08:10					0
25/09/2022 08:20					0
25/09/2022 08:30					0
25/09/2022 08:40					0
25/09/2022 08:50					0
25/09/2022 09:00					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/09/2022 09:10					0
25/09/2022 09:20					0
25/09/2022 09:30					0
25/09/2022 09:40					0
25/09/2022 09:50					0
25/09/2022 10:00					0
25/09/2022 10:10					0
25/09/2022 10:20					0
25/09/2022 10:30					0
25/09/2022 10:40					0
25/09/2022 10:50					0
25/09/2022 11:00					0
25/09/2022 11:10					0
25/09/2022 11:20					0
25/09/2022 11:30					0
25/09/2022 11:40					0
25/09/2022 11:50					0
25/09/2022 12:00					0
25/09/2022 12:10					0
25/09/2022 12:20					0
25/09/2022 12:30	0	267	0	0.6	0
25/09/2022 12:40					0
25/09/2022 12:50					0
25/09/2022 13:00	1.3	244	15	4.6	0
25/09/2022 13:10	2.7	252	23	4.8	0
25/09/2022 13:20	0.4	242	8	4.1	0
25/09/2022 13:30	0	233	1	0.6	0
25/09/2022 13:40					0
25/09/2022 13:50	0.2	247	6	4.1	0
25/09/2022 14:00	0	240	1	1.7	0
25/09/2022 14:10					0
25/09/2022 14:20					0
25/09/2022 14:30					0
25/09/2022 14:40	2.3	245	11	7.2	0
25/09/2022 14:50	1.9	245	12	6.4	0
25/09/2022 15:00	0.5	246	5	5.6	0
25/09/2022 15:10	0.1	259	2	2.3	0
25/09/2022 15:20	0.4	252	1	9.9	0
25/09/2022 15:30	0.5	258	7	4.5	0
25/09/2022 15:40					0
25/09/2022 15:50	4.5	251	19	7.9	0
25/09/2022 16:00	4.9	259	22	7.4	0
25/09/2022 16:10	5	248	16	7.6	0
25/09/2022 16:20	5.1	248	16	7.4	0
25/09/2022 16:30	5.2	253	19	7.7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/09/2022 16:40	5.1	255	19	7.8	0
25/09/2022 16:50	5.1	253	18	7.2	0
25/09/2022 17:00	4.5	256	18	6.3	0
25/09/2022 17:10	4.9	258	19	7.5	0
25/09/2022 17:20	5.1	254	17	7.9	0
25/09/2022 17:30	4.8	260	17	7.8	0
25/09/2022 17:40	4.6	254	18	6.6	0
25/09/2022 17:50	4.6	257	17	7.9	0
25/09/2022 18:00	4.5	250	18	6.8	0
25/09/2022 18:10	4.6	252	16	7.3	0
25/09/2022 18:20	4.3	248	18	5.6	0
25/09/2022 18:30	5	251	18	6.8	0
25/09/2022 18:40	5.1	249	17	7.4	0
25/09/2022 18:50	5.1	248	15	7.8	0
25/09/2022 19:00	4.8	249	17	7.3	0
25/09/2022 19:10	5	252	16	7.1	0
25/09/2022 19:20	4.3	252	17	6.6	0
25/09/2022 19:30	4.4	255	16	7.1	0
25/09/2022 19:40	4.4	254	16	6.3	0
25/09/2022 19:50	4.8	253	14	6.8	0
25/09/2022 20:00	4.1	255	14	5.9	0
25/09/2022 20:10	4.6	257	14	6	0
25/09/2022 20:20	3.9	259	14	5.2	0
25/09/2022 20:30	3.6	255	15	5.2	0
25/09/2022 20:40	3.5	261	18	5.1	0
25/09/2022 20:50	3.7	254	14	4.8	0
25/09/2022 21:00	3.8	256	14	5.2	0
25/09/2022 21:10	3.9	254	16	5.6	0
25/09/2022 21:20	4	254	14	5.6	0
25/09/2022 21:30	3.6	253	16	5	0
25/09/2022 21:40	3.4	254	16	4.8	0
25/09/2022 21:50	2.8	253	21	4.4	0
25/09/2022 22:00	2.9	249	18	5	0
25/09/2022 22:10	2.6	253	16	3.9	0
25/09/2022 22:20	3	258	16	4.3	0
25/09/2022 22:30	3.5	254	14	5.2	0
25/09/2022 22:40	3	245	21	4	0
25/09/2022 22:50	2.6	231	19	4.3	0
25/09/2022 23:00	3.3	226	15	4.8	0
25/09/2022 23:10	3	224	15	4.5	0
25/09/2022 23:20	2.9	227	16	3.8	0
25/09/2022 23:30	2.9	225	17	4.4	0
25/09/2022 23:40	3.2	218	15	4.8	0
25/09/2022 23:50	3.3	217	16	5.1	0
26/09/2022 00:00	3.1	219	15	4.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/09/2022 00:10	2.9	220	14	4.6	0
26/09/2022 00:20	2.9	217	19	4.8	0
26/09/2022 00:30	2.4	210	16	4	0
26/09/2022 00:40	2.4	207	20	4	0
26/09/2022 00:50	3	201	18	4.5	0
26/09/2022 01:00	2.5	206	20	4	0
26/09/2022 01:10	3	201	19	5.7	0
26/09/2022 01:20	3.3	194	19	5.4	0
26/09/2022 01:30	3.6	194	17	5.6	0
26/09/2022 01:40	3.5	195	15	5.6	0
26/09/2022 01:50	3.3	191	16	4.7	0
26/09/2022 02:00	3.2	191	15	4.8	0
26/09/2022 02:10	2.9	193	18	4.8	0
26/09/2022 02:20	2.2	213	24	3.3	0
26/09/2022 02:30	2.1	217	22	3.5	0
26/09/2022 02:40	2	221	26	3.4	0
26/09/2022 02:50	1.8	232	23	2.7	0
26/09/2022 03:00	1.7	225	22	2.8	0
26/09/2022 03:10	1.6	225	24	2.6	0
26/09/2022 03:20	1.9	227	22	3.6	0
26/09/2022 03:30	2	222	26	3	0
26/09/2022 03:40	2.3	208	26	3.7	0
26/09/2022 03:50	2.4	197	19	3.6	0
26/09/2022 04:00	2.7	196	13	3.7	0
26/09/2022 04:10	2.4	201	13	3.6	0
26/09/2022 04:20	2.6	201	13	3.6	0
26/09/2022 04:30	3	193	15	4.4	0
26/09/2022 04:40	2.7	195	14	3.8	0
26/09/2022 04:50	2.6	198	13	4.1	0
26/09/2022 05:00	2.5	200	13	3.6	0
26/09/2022 05:10	2.5	200	14	3.6	0
26/09/2022 05:20	2.7	198	12	4	0
26/09/2022 05:30	2.6	200	13	3.8	0
26/09/2022 05:40	2.7	204	14	3.6	0
26/09/2022 05:50	2.5	202	15	3.4	0
26/09/2022 06:00	2.2	203	16	3.6	0
26/09/2022 06:10	2.2	188	19	3.6	0
26/09/2022 06:20	0.7	171	18	2.5	0
26/09/2022 06:30					0
26/09/2022 06:40					0
26/09/2022 06:50					0
26/09/2022 07:00					0
26/09/2022 07:10					0
26/09/2022 07:20					0
26/09/2022 07:30					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/09/2022 07:40					0
26/09/2022 07:50					0
26/09/2022 08:00					0
26/09/2022 08:10					0
26/09/2022 08:20					0
26/09/2022 08:30					0
26/09/2022 08:40					0
26/09/2022 08:50					0
26/09/2022 09:00					0
26/09/2022 09:10					0
26/09/2022 09:20					0
26/09/2022 09:30					0
26/09/2022 09:40					0
26/09/2022 09:50					0
26/09/2022 10:00					0
26/09/2022 10:10					0
26/09/2022 10:20					0
26/09/2022 10:30					0
26/09/2022 10:40					0
26/09/2022 10:50					0
26/09/2022 11:00					0
26/09/2022 11:10					0
26/09/2022 11:20					0
26/09/2022 11:30					0
26/09/2022 11:40					0
26/09/2022 11:50					0
26/09/2022 12:00					0
26/09/2022 12:10					0
26/09/2022 12:20					0
26/09/2022 12:30					0
26/09/2022 12:40					0
26/09/2022 12:50					0
26/09/2022 13:00					0
26/09/2022 13:10					0
26/09/2022 13:20					0
26/09/2022 13:30					0
26/09/2022 13:40					0
26/09/2022 13:50					0
26/09/2022 14:00					0
26/09/2022 14:10					0
26/09/2022 14:20					0
26/09/2022 14:30					0
26/09/2022 14:40					0
26/09/2022 14:50					0
26/09/2022 15:00					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/09/2022 15:10					0
26/09/2022 15:20					0
26/09/2022 15:30					0
26/09/2022 15:40					0
26/09/2022 15:50					0
26/09/2022 16:00					0
26/09/2022 16:10					0
26/09/2022 16:20					0
26/09/2022 16:30					0
26/09/2022 16:40					0
26/09/2022 16:50					0
26/09/2022 17:00					0
26/09/2022 17:10					0
26/09/2022 17:20					0
26/09/2022 17:30					0
26/09/2022 17:40					0
26/09/2022 17:50					0
26/09/2022 18:00	0.2	341	6	3.2	0
26/09/2022 18:10	1	333	11	2.2	0
26/09/2022 18:20	2.8	292	17	4.2	0
26/09/2022 18:30	3.9	252	15	5.8	0
26/09/2022 18:40	3.9	247	17	5.6	0
26/09/2022 18:50	4	250	18	6	0
26/09/2022 19:00	3.8	252	17	5.2	0
26/09/2022 19:10	4.1	252	18	5.6	0
26/09/2022 19:20	3.8	250	16	5.5	0
26/09/2022 19:30	3.8	247	18	5.5	0
26/09/2022 19:40	3.5	254	15	4.9	0
26/09/2022 19:50	3.5	251	15	4.8	0
26/09/2022 20:00	3.2	248	15	4.7	0
26/09/2022 20:10	3.2	240	17	4.4	0
26/09/2022 20:20	2.6	242	16	4.1	0
26/09/2022 20:30	2.7	245	17	4.1	0
26/09/2022 20:40	2.8	248	19	4.4	0
26/09/2022 20:50	2.5	248	16	4	0
26/09/2022 21:00	3.4	247	17	5.3	0
26/09/2022 21:10	2.8	246	17	4.1	0
26/09/2022 21:20	2.6	244	16	4	0
26/09/2022 21:30	3.2	242	17	4.5	0
26/09/2022 21:40	3.3	245	16	4.8	0
26/09/2022 21:50	3.3	244	17	5	0
26/09/2022 22:00	2.9	249	17	4.3	0
26/09/2022 22:10	3.5	244	16	5.1	0
26/09/2022 22:20	3.2	252	17	4.4	0
26/09/2022 22:30	3	264	17	4.4	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/09/2022 22:40	3.1	259	16	4.6	0
26/09/2022 22:50	2.9	256	16	4	0
26/09/2022 23:00	2.6	248	17	4	0
26/09/2022 23:10	2.6	255	16	4.1	0
26/09/2022 23:20	2.5	258	15	3.5	0
26/09/2022 23:30	2.2	255	13	3	0
26/09/2022 23:40	2.4	252	18	3.5	0
26/09/2022 23:50	2.7	249	15	3.9	0
27/09/2022 00:00	2.3	251	20	3.5	0
27/09/2022 00:10	1.1	153	30	2	0
27/09/2022 00:20	1.4	133	27	2.2	0
27/09/2022 00:30	1.3	158	29	2.1	0
27/09/2022 00:40	0.7	92	24	1.5	0
27/09/2022 00:50	0.7	33	24	1.2	0
27/09/2022 01:00	0.7	70	63	2	0
27/09/2022 01:10	0.7	29	23	1.5	0
27/09/2022 01:20	0.7	36	21	1.3	0
27/09/2022 01:30	1.1	60	27	1.9	0
27/09/2022 01:40	1.4	99	28	2.5	0
27/09/2022 01:50	1.8	97	26	4.1	0
27/09/2022 02:00					0
27/09/2022 02:10					0
27/09/2022 02:20					0
27/09/2022 02:30					0
27/09/2022 02:40					0
27/09/2022 02:50					0
27/09/2022 03:00					0
27/09/2022 03:10					0
27/09/2022 03:20					0
27/09/2022 03:30					0
27/09/2022 03:40					0
27/09/2022 03:50					0
27/09/2022 04:00					0
27/09/2022 04:10					0
27/09/2022 04:20					0
27/09/2022 04:30	0.5	91	9	4.9	0
27/09/2022 04:40	1.5	89	15	4.8	0
27/09/2022 04:50	0	70	0	0.4	0
27/09/2022 05:00					0
27/09/2022 05:10	0.5	86	10	3.8	0
27/09/2022 05:20					0
27/09/2022 05:30					0
27/09/2022 05:40					0
27/09/2022 05:50	0.4	83	11	4.8	0
27/09/2022 06:00	0	97	0	2.5	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/09/2022 06:10					0
27/09/2022 06:20					0
27/09/2022 06:30					0
27/09/2022 06:40					0
27/09/2022 06:50					0
27/09/2022 07:00					0
27/09/2022 07:10					0
27/09/2022 07:20					0
27/09/2022 07:30					0
27/09/2022 07:40					0
27/09/2022 07:50					0
27/09/2022 08:00					0
27/09/2022 08:10					0
27/09/2022 08:20					0
27/09/2022 08:30					0
27/09/2022 08:40					0
27/09/2022 08:50					0
27/09/2022 09:00					0
27/09/2022 09:10					0
27/09/2022 09:20					0
27/09/2022 09:30					0
27/09/2022 09:40					0
27/09/2022 09:50					0
27/09/2022 10:00					0
27/09/2022 10:10					0
27/09/2022 10:20					0
27/09/2022 10:30					0
27/09/2022 10:40					0
27/09/2022 10:50					0
27/09/2022 11:00					0
27/09/2022 11:10					0
27/09/2022 11:20					0
27/09/2022 11:30					0
27/09/2022 11:40					0
27/09/2022 11:50					0
27/09/2022 12:00					0
27/09/2022 12:10					0
27/09/2022 12:20					0
27/09/2022 12:30					0
27/09/2022 12:40					0
27/09/2022 12:50					0
27/09/2022 13:00					0
27/09/2022 13:10					0
27/09/2022 13:20					0
27/09/2022 13:30					0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/09/2022 13:40					0
27/09/2022 13:50					0
27/09/2022 14:00					0
27/09/2022 14:10					0
27/09/2022 14:20					0
27/09/2022 14:30					0
27/09/2022 14:40					0
27/09/2022 14:50					0
27/09/2022 15:00					0
27/09/2022 15:10					0
27/09/2022 15:20					0
27/09/2022 15:30					0
27/09/2022 15:40					0
27/09/2022 15:50					0
27/09/2022 16:00					0
27/09/2022 16:10					0
27/09/2022 16:20					0
27/09/2022 16:30					0
27/09/2022 16:40					0
27/09/2022 16:50					0
27/09/2022 17:00					0
27/09/2022 17:10					0
27/09/2022 17:20					0
27/09/2022 17:30					0
27/09/2022 17:40					0
27/09/2022 17:50	2.3	318	23	4.9	0
27/09/2022 18:00	2.5	273	32	4	0
27/09/2022 18:10	2.9	259	28	4.2	0
27/09/2022 18:20	2.7	257	19	4.3	0
27/09/2022 18:30	3.5	251	13	4.6	0
27/09/2022 18:40	3.9	254	13	5	0
27/09/2022 18:50	3.8	252	14	5.2	0
27/09/2022 19:00	3.5	253	12	4.8	0
27/09/2022 19:10	3.5	255	13	4.8	0
27/09/2022 19:20	3.7	253	12	5	0
27/09/2022 19:30	3.4	256	12	4.6	0
27/09/2022 19:40	3.5	253	13	5.1	0
27/09/2022 19:50	3.5	250	15	4.8	0
27/09/2022 20:00	3.5	250	12	5.5	0
27/09/2022 20:10	3.1	258	15	4.4	0
27/09/2022 20:20	3.2	253	15	4.6	0
27/09/2022 20:30	3.4	255	14	5.2	0
27/09/2022 20:40	3.2	251	15	4.4	0
27/09/2022 20:50	3	246	15	4.8	0
27/09/2022 21:00	2.7	246	15	4.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/09/2022 21:10	3	240	15	4.8	0
27/09/2022 21:20	3.1	245	16	4.5	0
27/09/2022 21:30	2.5	246	16	3.8	0
27/09/2022 21:40	2.9	251	16	4.1	0
27/09/2022 21:50	3	242	16	4.3	0
27/09/2022 22:00	2.7	244	16	3.9	0
27/09/2022 22:10	3.1	238	16	4.4	0
27/09/2022 22:20	3.1	232	13	4.4	0
27/09/2022 22:30	3	241	16	4.4	0
27/09/2022 22:40	2.7	247	15	4	0
27/09/2022 22:50	2.7	242	16	4.2	0
27/09/2022 23:00	2.8	242	14	4.2	0
27/09/2022 23:10	3.4	236	15	5	0
27/09/2022 23:20	3.6	235	14	5.1	0
27/09/2022 23:30	2.9	238	17	4.4	0
27/09/2022 23:40	3.2	244	18	5	0
27/09/2022 23:50	3.3	240	16	4.8	0
28/09/2022 00:00	2.8	242	18	4.2	0
28/09/2022 00:10	2.3	252	17	3.6	0
28/09/2022 00:20	2.9	257	15	4.4	0
28/09/2022 00:30	3	254	15	4.5	0
28/09/2022 00:40	2.8	254	16	4	0
28/09/2022 00:50	3.1	254	17	4.6	0
28/09/2022 01:00	3.2	247	17	5	0
28/09/2022 01:10	3.1	249	15	5	0
28/09/2022 01:20	2.9	249	17	4.2	0
28/09/2022 01:30	2.6	247	16	4	0
28/09/2022 01:40	2.7	236	16	4	0
28/09/2022 01:50	2.6	242	15	4	0
28/09/2022 02:00	2.9	232	17	4.4	0
28/09/2022 02:10	2.9	238	16	4	0
28/09/2022 02:20	3	240	17	4.4	0
28/09/2022 02:30	2.7	243	17	4	0
28/09/2022 02:40	2.4	249	17	3.7	0
28/09/2022 02:50	2.5	244	17	3.6	0
28/09/2022 03:00	2.5	260	13	3.5	0
28/09/2022 03:10	2.3	251	18	3.2	0
28/09/2022 03:20	2.6	252	14	3.6	0
28/09/2022 03:30	2.7	260	13	3.9	0
28/09/2022 03:40	2.7	262	17	3.6	0
28/09/2022 03:50	2.3	258	15	3.2	0
28/09/2022 04:00	2.1	262	16	2.9	0
28/09/2022 04:10	2.2	261	14	3.1	0
28/09/2022 04:20	2.1	261	15	3	0
28/09/2022 04:30	2	264	15	2.8	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/09/2022 04:40	2.3	263	14	3.2	0
28/09/2022 04:50	1.8	264	17	2.5	0
28/09/2022 05:00	1.7	264	14	2.3	0
28/09/2022 05:10	0.8	221	33	1.8	0
28/09/2022 05:20	1.3	258	12	1.8	0
28/09/2022 05:30	0.8	238	18	1.4	0
28/09/2022 05:40	1.4	242	12	1.8	0
28/09/2022 05:50	1.4	253	11	2.1	0
28/09/2022 06:00	1.6	252	11	2.1	0
28/09/2022 06:10	1.5	253	14	2	0
28/09/2022 06:20	1.3	266	16	2	0
28/09/2022 06:30	0.1	260	11	0.6	0
28/09/2022 06:40					0
28/09/2022 06:50					0
28/09/2022 07:00					0
28/09/2022 07:10					0
28/09/2022 07:20					0
28/09/2022 07:30					0
28/09/2022 07:40	0	76	1	0.4	0
28/09/2022 07:50					0
28/09/2022 08:00					0
28/09/2022 08:10					0
28/09/2022 08:20					0
28/09/2022 08:30					0
28/09/2022 08:40					0
28/09/2022 08:50					0
28/09/2022 09:00					0
28/09/2022 09:10					0
28/09/2022 09:20					0
28/09/2022 09:30	0	75	2	1.2	0
28/09/2022 09:40	1.9	89	21	4.8	0
28/09/2022 09:50	2.9	90	28	4.8	0
28/09/2022 10:00	2.9	86	26	4.8	0
28/09/2022 10:10	3.3	93	21	5.3	0
28/09/2022 10:20	3	105	32	4.6	0
28/09/2022 10:30	2.8	101	29	4.3	0
28/09/2022 10:40	2.6	74	24	4.3	0
28/09/2022 10:50	3.2	73	20	4.7	0
28/09/2022 11:00	3.5	81	19	5.6	0
28/09/2022 11:10	3.2	88	19	5.1	0
28/09/2022 11:20	3.1	72	23	4.6	0
28/09/2022 11:30	3.1	61	24	5.4	0
28/09/2022 11:40	3	61	20	5.1	0
28/09/2022 11:50	2.9	63	20	4.5	0
28/09/2022 12:00	3.1	64	24	4.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/09/2022 12:10	3.1	61	21	5.4	0
28/09/2022 12:20	3.2	60	24	4.9	0
28/09/2022 12:30	3.1	55	21	4.8	0
28/09/2022 12:40	2.9	63	21	3.9	0
28/09/2022 12:50	2.9	73	19	4.1	0
28/09/2022 13:00	2.7	73	19	4.2	0
28/09/2022 13:10	2.6	70	22	3.9	0
28/09/2022 13:20	2.8	62	21	5.1	0
28/09/2022 13:30	2.6	69	24	4	0
28/09/2022 13:40	2.9	71	20	4.4	0
28/09/2022 13:50	2.8	71	23	4.1	0
28/09/2022 14:00	2.9	72	22	4.6	0
28/09/2022 14:10	2.7	63	22	4.5	0
28/09/2022 14:20	2.2	25	33	4	0
28/09/2022 14:30	2.4	177	30	4	0
28/09/2022 14:40	2.3	344	35	3.7	0
28/09/2022 14:50	2.2	13	36	3.9	0
28/09/2022 15:00	2.4	19	36	3.8	0
28/09/2022 15:10	2.5	16	35	4.5	0
28/09/2022 15:20	2.6	350	33	3.9	0
28/09/2022 15:30	2.6	178	31	4.1	0
28/09/2022 15:40	2.6	179	27	4.3	0
28/09/2022 15:50	2.7	173	27	4.3	0
28/09/2022 16:00	2.3	339	30	3.8	0
28/09/2022 16:10	2.3	331	30	3.7	0
28/09/2022 16:20	2.4	324	25	3.7	0
28/09/2022 16:30	2.5	343	26	4.4	0
28/09/2022 16:40	2.7	321	19	3.9	0
28/09/2022 16:50	2.5	326	25	4	0
28/09/2022 17:00	2.5	322	21	4.4	0
28/09/2022 17:10	2.5	341	23	4	0
28/09/2022 17:20	2.1	347	37	3.6	0
28/09/2022 17:30	2.1	335	36	3.9	0
28/09/2022 17:40	2	333	38	3.6	0
28/09/2022 17:50	2.5	327	27	3.8	0
28/09/2022 18:00	2.1	319	29	3.9	0
28/09/2022 18:10	2.7	317	26	4.1	0
28/09/2022 18:20	0.5	331	7	4	0
28/09/2022 18:30	0	325	5	0.7	0
28/09/2022 18:40	1.4	327	16	3.9	0
28/09/2022 18:50	2.3	317	25	3.7	0
28/09/2022 19:00	2.1	316	27	3.6	0
28/09/2022 19:10	2	314	24	3.2	0
28/09/2022 19:20	2.4	318	24	3.8	0
28/09/2022 19:30	2	310	26	3.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/09/2022 19:40	2.2	335	22	3.7	0
28/09/2022 19:50	2.2	342	27	4.1	0
28/09/2022 20:00	2.1	329	27	3.3	0
28/09/2022 20:10	2.1	310	35	3.6	0
28/09/2022 20:20	1.8	289	48	3.2	0
28/09/2022 20:30	1.5	286	55	3.2	0
28/09/2022 20:40	1.7	253	28	2.9	0
28/09/2022 20:50	1.9	260	28	2.8	0
28/09/2022 21:00	1.6	247	17	2.6	0
28/09/2022 21:10	1.8	251	19	2.8	0
28/09/2022 21:20	1.5	254	19	2.2	0
28/09/2022 21:30	1.9	239	16	3.1	0
28/09/2022 21:40	2.3	250	13	3	0
28/09/2022 21:50	2.1	256	16	3.2	0
28/09/2022 22:00	2.2	247	13	3.4	0
28/09/2022 22:10	2.2	250	12	3.4	0
28/09/2022 22:20	2.4	254	15	3.7	0
28/09/2022 22:30	2.5	252	12	4	0
28/09/2022 22:40	2.8	252	14	3.7	0
28/09/2022 22:50	2.5	250	14	3.9	0
28/09/2022 23:00	2.4	246	14	3.6	0
28/09/2022 23:10	3.1	248	15	4.3	0
28/09/2022 23:20	3.1	254	15	4.4	0
28/09/2022 23:30	2.3	248	18	3.5	0
28/09/2022 23:40	2.9	243	16	4.4	0
28/09/2022 23:50	2.9	233	15	4.1	0
29/09/2022 00:00	2.8	242	19	4.1	0
29/09/2022 00:10	2.8	240	18	4.2	0
29/09/2022 00:20	2.4	241	17	3.5	0
29/09/2022 00:30	2.3	232	18	3.6	0
29/09/2022 00:40	2.2	240	17	3.2	0
29/09/2022 00:50	2.2	247	17	3.6	0
29/09/2022 01:00	2.2	257	13	3.2	0
29/09/2022 01:10	2.2	261	12	2.8	0
29/09/2022 01:20	2.1	258	13	3	0
29/09/2022 01:30	1.8	255	13	2.5	0
29/09/2022 01:40	1.8	247	15	2.8	0
29/09/2022 01:50	2.8	229	13	3.7	0
29/09/2022 02:00	2.8	230	13	4.1	0
29/09/2022 02:10	2.5	236	17	3.6	0
29/09/2022 02:20	1.8	261	14	2.5	0
29/09/2022 02:30	1.7	262	12	2.3	0
29/09/2022 02:40	1.7	261	16	2.3	0
29/09/2022 02:50	1.6	264	15	2.2	0
29/09/2022 03:00	2.3	237	17	3.6	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/09/2022 03:10	2.8	238	14	4.1	0
29/09/2022 03:20	2.3	249	16	3.3	0
29/09/2022 03:30	1.9	253	18	2.8	0
29/09/2022 03:40	2.3	248	16	3.2	0
29/09/2022 03:50	2.4	245	16	3.6	0
29/09/2022 04:00	2.4	244	15	3.6	0
29/09/2022 04:10	2.2	242	14	2.9	0
29/09/2022 04:20	2.1	243	18	3.2	0
29/09/2022 04:30	2.2	246	14	3.7	0
29/09/2022 04:40	2.1	245	16	3.2	0
29/09/2022 04:50	2.2	241	14	3.3	0
29/09/2022 05:00	2.1	248	17	3.2	0
29/09/2022 05:10	1.8	255	16	2.7	0
29/09/2022 05:20	1.7	256	14	2.2	0
29/09/2022 05:30	1.1	266	16	1.6	0
29/09/2022 05:40	1.2	262	9	1.7	0
29/09/2022 05:50	1	285	20	1.6	0
29/09/2022 06:00	0.6	294	52	1.2	0
29/09/2022 06:10	0.7	167	52	1.6	0
29/09/2022 06:20	0.7	300	42	1.8	0
29/09/2022 06:30	1.3	311	29	2.4	0
29/09/2022 06:40	1.2	303	39	2.4	0
29/09/2022 06:50	1.1	315	25	2.6	0
29/09/2022 07:00					0
29/09/2022 07:10	0.1	278	11	0.9	0
29/09/2022 07:20					0
29/09/2022 07:30					0
29/09/2022 07:40					0
29/09/2022 07:50					0
29/09/2022 08:00					0
29/09/2022 08:10					0
29/09/2022 08:20					0
29/09/2022 08:30					0
29/09/2022 08:40					0
29/09/2022 08:50					0
29/09/2022 09:00					0
29/09/2022 09:10					0
29/09/2022 09:20					0
29/09/2022 09:30	0	242	0	0.5	0
29/09/2022 09:40					0
29/09/2022 09:50					0
29/09/2022 10:00					0
29/09/2022 10:10					0
29/09/2022 10:20					0
29/09/2022 10:30					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/09/2022 10:40					0
29/09/2022 10:50					0
29/09/2022 11:00					0
29/09/2022 11:10					0
29/09/2022 11:20					0
29/09/2022 11:30					0
29/09/2022 11:40					0
29/09/2022 11:50					0
29/09/2022 12:00					0
29/09/2022 12:10					0
29/09/2022 12:20					0
29/09/2022 12:30					0
29/09/2022 12:40					0
29/09/2022 12:50					0
29/09/2022 13:00					0
29/09/2022 13:10					0
29/09/2022 13:20					0
29/09/2022 13:30					0
29/09/2022 13:40					0
29/09/2022 13:50					0
29/09/2022 14:00					0
29/09/2022 14:10					0
29/09/2022 14:20					0
29/09/2022 14:30					0
29/09/2022 14:40					0
29/09/2022 14:50					0
29/09/2022 15:00					0
29/09/2022 15:10					0
29/09/2022 15:20					0
29/09/2022 15:30					0
29/09/2022 15:40					0
29/09/2022 15:50					0
29/09/2022 16:00					0
29/09/2022 16:10					0
29/09/2022 16:20	0	244	0	0.4	0
29/09/2022 16:30	3.3	250	14	6.8	0
29/09/2022 16:40	4.2	246	15	7	0
29/09/2022 16:50	4.6	243	17	6.8	0
29/09/2022 17:00	5	248	14	6.9	0
29/09/2022 17:10	4.2	244	18	6.3	0
29/09/2022 17:20	4	243	19	5.5	0
29/09/2022 17:30	2.9	262	24	4.9	0
29/09/2022 17:40	2.7	266	26	4.5	0
29/09/2022 17:50	2.4	264	29	4	0
29/09/2022 18:00	2.6	255	20	4.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/09/2022 18:10	2.7	253	21	4.1	0
29/09/2022 18:20	2.4	257	26	4	0
29/09/2022 18:30	2.5	258	28	4	0
29/09/2022 18:40	2.8	250	27	4.3	0
29/09/2022 18:50	2.9	254	23	4.4	0
29/09/2022 19:00	2.3	262	28	4	0
29/09/2022 19:10	2.4	263	29	3.7	0
29/09/2022 19:20	2.6	255	18	4	0
29/09/2022 19:30	2.4	253	19	3.6	0
29/09/2022 19:40	2.1	277	35	3.6	0
29/09/2022 19:50	2.2	259	27	3.4	0
29/09/2022 20:00	2.1	265	25	3	0
29/09/2022 20:10	2.2	257	34	3.7	0
29/09/2022 20:20	2.1	265	31	3.9	0
29/09/2022 20:30	1.9	259	28	3.3	0
29/09/2022 20:40	1.8	276	38	2.9	0
29/09/2022 20:50	1.7	259	28	3.1	0
29/09/2022 21:00	2.2	264	28	3.2	0
29/09/2022 21:10	1.9	267	31	2.9	0
29/09/2022 21:20	2	259	26	3.3	0
29/09/2022 21:30	1.7	264	34	2.8	0
29/09/2022 21:40	2.2	258	28	4.3	0
29/09/2022 21:50	2	260	27	3.2	0
29/09/2022 22:00	2	264	25	3.6	0
29/09/2022 22:10	1.8	267	28	3.2	0
29/09/2022 22:20	1.8	258	26	3.2	0
29/09/2022 22:30	1.6	271	37	2.8	0
29/09/2022 22:40	2.1	274	31	3.6	0
29/09/2022 22:50	2.2	261	26	3.3	0
29/09/2022 23:00	1.7	255	24	2.8	0
29/09/2022 23:10	1.8	260	23	3.3	0
29/09/2022 23:20	2.3	256	17	4	0
29/09/2022 23:30	1.7	269	30	3.3	0
29/09/2022 23:40	1.8	268	41	3.4	0
29/09/2022 23:50	1.7	275	35	2.4	0
30/09/2022 00:00	2.3	256	23	3.6	0
30/09/2022 00:10	2.1	265	27	3.6	0
30/09/2022 00:20	1.7	263	31	2.9	0
30/09/2022 00:30	1.3	275	39	2.1	0
30/09/2022 00:40	1.8	310	36	3.2	0
30/09/2022 00:50	1.6	264	30	2.6	0
30/09/2022 01:00	1.5	271	55	3.1	0
30/09/2022 01:10	1.7	310	35	3.2	0
30/09/2022 01:20	1.8	317	39	3.3	0
30/09/2022 01:30	1.5	287	52	2.9	0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/09/2022 01:40	1.5	282	36	2.5	0
30/09/2022 01:50	1.5	309	37	2.8	0
30/09/2022 02:00	1.7	317	48	3.2	0
30/09/2022 02:10	1.5	296	47	3	0
30/09/2022 02:20	1.3	299	50	2.4	0
30/09/2022 02:30	1.6	315	37	3.2	0
30/09/2022 02:40	1.2	283	48	2.3	0
30/09/2022 02:50	1.3	323	45	2.3	0
30/09/2022 03:00	1.3	322	39	2.4	0
30/09/2022 03:10	1.2	331	36	2	0
30/09/2022 03:20	1.2	292	53	2.4	0
30/09/2022 03:30	1.4	324	48	3.1	0
30/09/2022 03:40	1.1	320	60	2.5	0
30/09/2022 03:50	1	347	51	2.1	0
30/09/2022 04:00	1.7	342	43	3.2	0
30/09/2022 04:10	1.5	317	52	3.5	0
30/09/2022 04:20	1.4	291	42	2.8	0
30/09/2022 04:30	1	303	53	2.1	0
30/09/2022 04:40	1.3	299	61	2.5	0
30/09/2022 04:50	1.2	273	70	2.6	0
30/09/2022 05:00	1.7	315	32	3.1	0
30/09/2022 05:10	1.4	296	33	2.6	0
30/09/2022 05:20	1.2	305	49	2.1	0
30/09/2022 05:30	1.7	322	32	3.6	0
30/09/2022 05:40	1.5	287	29	2.4	0
30/09/2022 05:50	1.3	310	44	2.4	0
30/09/2022 06:00	1.5	296	50	2.8	0
30/09/2022 06:10	1.7	309	41	3.2	0
30/09/2022 06:20	1.5	277	44	2.6	0
30/09/2022 06:30	1.7	307	36	3.3	0
30/09/2022 06:40	1.4	327	31	2.8	0
30/09/2022 06:50					0
30/09/2022 07:00					0
30/09/2022 07:10					0
30/09/2022 07:20					0
30/09/2022 07:30	0.4	228	33	3.3	0
30/09/2022 07:40	1.5	299	44	2.7	0
30/09/2022 07:50	1.3	255	20	3.9	0
30/09/2022 08:00	1.6	306	45	3.3	0
30/09/2022 08:10					0
30/09/2022 08:20					0
30/09/2022 08:30					0
30/09/2022 08:40					0
30/09/2022 08:50					0
30/09/2022 09:00					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/09/2022 09:10					0
30/09/2022 09:20					0
30/09/2022 09:30					0
30/09/2022 09:40					0
30/09/2022 09:50					0
30/09/2022 10:00					0
30/09/2022 10:10					0
30/09/2022 10:20					0
30/09/2022 10:30					0
30/09/2022 10:40					0
30/09/2022 10:50					0
30/09/2022 11:00					0
30/09/2022 11:10					0
30/09/2022 11:20					0
30/09/2022 11:30					0
30/09/2022 11:40					0
30/09/2022 11:50					0
30/09/2022 12:00					0
30/09/2022 12:10					0
30/09/2022 12:20					0
30/09/2022 12:30					0
30/09/2022 12:40					0
30/09/2022 12:50					0
30/09/2022 13:00					0
30/09/2022 13:10					0
30/09/2022 13:20					0
30/09/2022 13:30					0
30/09/2022 13:40					0
30/09/2022 13:50					0
30/09/2022 14:00					0
30/09/2022 14:10					0
30/09/2022 14:20					0
30/09/2022 14:30					0
30/09/2022 14:40					0
30/09/2022 14:50					0
30/09/2022 15:00					0
30/09/2022 15:10					0
30/09/2022 15:20					0
30/09/2022 15:30					0
30/09/2022 15:40					0
30/09/2022 15:50	0.8	261	15	4.3	0
30/09/2022 16:00	3	264	35	5.5	0
30/09/2022 16:10	2.6	273	45	4.5	0
30/09/2022 16:20	3	284	44	6	0
30/09/2022 16:30	2.8	286	43	6.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/09/2022 16:40	2.7	307	44	5.3	0
30/09/2022 16:50	3	284	44	4.8	0
30/09/2022 17:00	2.6	284	44	4.4	0
30/09/2022 17:10	2.9	266	32	5.2	0
30/09/2022 17:20	2.9	263	30	4.9	0
30/09/2022 17:30	3	265	37	4.7	0
30/09/2022 17:40	3.1	267	31	6	0
30/09/2022 17:50	2.8	272	37	5.4	0
30/09/2022 18:00	3	260	28	4.8	0
30/09/2022 18:10	2.7	277	39	5	0
30/09/2022 18:20	2.6	259	23	4.3	0
30/09/2022 18:30	2.9	251	21	4.9	0
30/09/2022 18:40	2.7	253	20	4.4	0
30/09/2022 18:50	2.5	263	24	4	0
30/09/2022 19:00	2.4	274	36	4.4	0
30/09/2022 19:10	2.6	254	17	3.7	0
30/09/2022 19:20	2.5	264	21	4.4	0
30/09/2022 19:30	2.4	263	27	4	0
30/09/2022 19:40	3.1	258	18	4.8	0
30/09/2022 19:50	2.7	257	22	4	0
30/09/2022 20:00	3.2	254	16	4.8	0
30/09/2022 20:10	3	251	16	5	0
30/09/2022 20:20	3.8	242	16	5.4	0
30/09/2022 20:30	3.5	248	18	5.9	0
30/09/2022 20:40	3.4	248	19	5.3	0
30/09/2022 20:50	3.2	250	19	5.2	0
30/09/2022 21:00	3.2	250	15	4.9	0
30/09/2022 21:10	3	250	20	4.3	0
30/09/2022 21:20	3.2	246	17	5.4	0
30/09/2022 21:30	2.9	248	17	4.2	0
30/09/2022 21:40	3.7	245	15	5.1	0
30/09/2022 21:50	2.7	255	18	4.5	0
30/09/2022 22:00	2.6	254	17	4.1	0
30/09/2022 22:10	2.4	257	18	4.3	0
30/09/2022 22:20	2.5	258	20	3.8	0
30/09/2022 22:30	3.1	248	18	6	0
30/09/2022 22:40	3.6	246	16	6	0
30/09/2022 22:50	2.7	251	18	4.5	0
30/09/2022 23:00	2.4	259	20	4.3	0
30/09/2022 23:10	2.9	253	17	4.6	0
30/09/2022 23:20	3.3	249	20	5.1	0
30/09/2022 23:30	4.3	248	16	6.6	0
30/09/2022 23:40	4.1	251	16	6	0
30/09/2022 23:50	3.6	249	17	5.6	0
10/01/2022 00:10	3.7	247	17	5.3	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/01/2022 00:20	2.9	252	19	5	0
10/01/2022 00:30	3.4	247	14	4.8	0
10/01/2022 00:40	3.5	248	16	5.3	0
10/01/2022 00:50	3	250	17	4.3	0
10/01/2022 01:00	2.4	255	23	3.9	0
10/01/2022 01:10	2.6	255	19	3.9	0
10/01/2022 01:20	2.3	252	20	3.3	0
10/01/2022 01:30	1.7	257	21	3	0
10/01/2022 01:40	2.2	251	16	3.6	0
10/01/2022 01:50	2.5	243	16	3.6	0
10/01/2022 02:00	2	250	19	3	0
10/01/2022 02:10	1.4	313	24	2.3	0
10/01/2022 02:20	1.3	275	33	2.2	0
10/01/2022 02:30	1.3	288	43	2.4	0
10/01/2022 02:40	1.1	269	39	2.3	0
10/01/2022 02:50	1	294	53	1.8	0
10/01/2022 03:00	1.2	270	32	2	0
10/01/2022 03:10	1.3	253	20	1.9	0
10/01/2022 03:20	1.5	256	24	2.4	0
10/01/2022 03:30	1.4	260	21	2	0
10/01/2022 03:40	1.1	281	23	1.6	0
10/01/2022 03:50	1.6	269	25	2.8	0
10/01/2022 04:00	1.8	253	20	2.5	0
10/01/2022 04:10	1	250	26	1.9	0
10/01/2022 04:20	1.3	269	33	2.2	0
10/01/2022 04:30	1.2	247	16	1.7	0
10/01/2022 04:40	1.2	258	25	2	0
10/01/2022 04:50	0.9	257	28	1.6	0
10/01/2022 05:00	1.3	259	30	2	0
10/01/2022 05:10	1.1	254	24	1.9	0
10/01/2022 05:20	1.4	253	24	2	0
10/01/2022 05:30	1.3	259	24	2.2	0
10/01/2022 05:40	1.3	252	23	2.1	0
10/01/2022 05:50	1.4	257	17	2.4	0
10/01/2022 06:00	1.2	252	17	1.6	0
10/01/2022 06:10	1.3	264	21	2	0
10/01/2022 06:20	1.4	251	20	2.2	0
10/01/2022 06:30	1.2	247	22	1.8	0
10/01/2022 06:40					0
10/01/2022 06:50					0
10/01/2022 07:00					0
10/01/2022 07:10					0
10/01/2022 07:20					0
10/01/2022 07:30					0
10/01/2022 07:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/01/2022 07:50					0
10/01/2022 08:00					0
10/01/2022 08:10					0
10/01/2022 08:20					0
10/01/2022 08:30					0
10/01/2022 08:40					0
10/01/2022 08:50					0
10/01/2022 09:00					0
10/01/2022 09:10					0
10/01/2022 09:20					0
10/01/2022 09:30					0
10/01/2022 09:40					0
10/01/2022 09:50					0
10/01/2022 10:00					0
10/01/2022 10:10					0
10/01/2022 10:20					0
10/01/2022 10:30					0
10/01/2022 10:40					0
10/01/2022 10:50					0
10/01/2022 11:00					0
10/01/2022 11:10					0
10/01/2022 11:20					0
10/01/2022 11:30					0
10/01/2022 11:40					0
10/01/2022 11:50					0
10/01/2022 12:00					0
10/01/2022 12:10					0
10/01/2022 12:20					0
10/01/2022 12:30					0
10/01/2022 12:40					0
10/01/2022 12:50					0
10/01/2022 13:00	1.9	304	34	5.1	0
10/01/2022 13:10	1.9	328	40	4.2	0
10/01/2022 13:20	2	318	32	5.3	0
10/01/2022 13:30	3.1	316	44	5.5	0
10/01/2022 13:40	3	319	38	5.2	0
10/01/2022 13:50	3.1	310	40	5.2	0
10/01/2022 14:00	3.5	328	26	5.4	0
10/01/2022 14:10	3.6	339	30	6	0
10/01/2022 14:20	3.3	329	35	5.3	0
10/01/2022 14:30	3.2	340	32	5.5	0
10/01/2022 14:40	3.2	323	40	5.3	0
10/01/2022 14:50	2.3	301	47	4.1	0
10/01/2022 15:00					0
10/01/2022 15:10					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/01/2022 15:20	3	334	25	5.7	0
10/01/2022 15:30	3.4	332	33	5.9	0
10/01/2022 15:40	3.4	322	34	5.8	0
10/01/2022 15:50	3.4	322	32	5.5	0
10/01/2022 16:00	3.1	316	38	5.7	0
10/01/2022 16:10	3.3	318	32	5.6	0
10/01/2022 16:20	3.5	313	30	5.8	0
10/01/2022 16:30	3.5	312	35	5.6	0
10/01/2022 16:40	2.9	307	40	5.1	0
10/01/2022 16:50	3.1	285	32	5.6	0
10/01/2022 17:00	2.8	280	38	4.9	0
10/01/2022 17:10	2.8	293	39	5	0
10/01/2022 17:20	2.9	315	38	4.8	0
10/01/2022 17:30	3.4	319	26	5.6	0
10/01/2022 17:40	3.6	320	27	6.5	0
10/01/2022 17:50	2.6	301	40	4.4	0
10/01/2022 18:00	2.5	262	39	4.8	0
10/01/2022 18:10	2.6	269	36	4.6	0
10/01/2022 18:20	2.8	270	30	4.8	0
10/01/2022 18:30	2.5	276	35	4.3	0
10/01/2022 18:40	2.6	269	30	4.4	0
10/01/2022 18:50	2.6	269	37	4.7	0
10/01/2022 19:00	2.5	271	33	4.2	0
10/01/2022 19:10	1.9	263	29	3.6	0
10/01/2022 19:20	2.2	263	33	3.7	0
10/01/2022 19:30	2.2	259	29	3.6	0
10/01/2022 19:40	2.4	253	21	3.6	0
10/01/2022 19:50	2.1	261	31	3.9	0
10/01/2022 20:00	2.2	263	26	4.4	0
10/01/2022 20:10	2.1	256	20	4.2	0
10/01/2022 20:20	2.2	263	26	3.6	0
10/01/2022 20:30	2.2	264	23	3.7	0
10/01/2022 20:40	2.4	260	21	3.7	0
10/01/2022 20:50	3.4	254	17	5.1	0
10/01/2022 21:00	2.7	252	20	4.1	0
10/01/2022 21:10	2.7	254	19	4.2	0
10/01/2022 21:20	3.1	254	19	4.7	0
10/01/2022 21:30	3.4	251	18	5.4	0
10/01/2022 21:40	2.9	257	21	4.4	0
10/01/2022 21:50	2.9	259	20	4.9	0
10/01/2022 22:00	2.8	260	19	4.4	0
10/01/2022 22:10	2.5	260	18	4	0
10/01/2022 22:20	2.5	259	22	3.8	0
10/01/2022 22:30	2.2	263	25	3.6	0
10/01/2022 22:40	1.9	267	26	3.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/01/2022 22:50	2	298	43	3.8	0
10/01/2022 23:00	2.1	307	39	4	0
10/01/2022 23:10	2	317	36	3.6	0
10/01/2022 23:20	2	318	48	3.6	0
10/01/2022 23:30	2.2	310	32	4	0
10/01/2022 23:40	2	306	42	3.6	0
10/01/2022 23:50	2.1	306	43	3.9	0
10/02/2022 00:00	2.3	309	35	4.1	0
10/02/2022 00:10	2.2	306	43	4.1	0
10/02/2022 00:20	2.3	314	34	4.8	0
10/02/2022 00:30	2	318	38	3.8	0
10/02/2022 00:40	2.2	308	41	4.1	0
10/02/2022 00:50	2	274	31	3	0
10/02/2022 01:00	2.3	270	39	4	0
10/02/2022 01:10	2	278	41	3.8	0
10/02/2022 01:20	2.5	267	31	3.6	0
10/02/2022 01:30	1.9	269	32	3.6	0
10/02/2022 01:40	2.3	286	40	4	0
10/02/2022 01:50	2.5	262	30	4.5	0
10/02/2022 02:00	2.6	266	28	4.9	0
10/02/2022 02:10	2.5	267	32	4.7	0
10/02/2022 02:20	3.1	253	19	4.4	0
10/02/2022 02:30	2.6	263	24	4	0
10/02/2022 02:40	2.2	264	26	4.2	0
10/02/2022 02:50	2.4	263	23	3.6	0
10/02/2022 03:00	2.5	261	22	4.2	0
10/02/2022 03:10	2.5	256	18	3.6	0
10/02/2022 03:20	2.6	257	19	3.8	0
10/02/2022 03:30	2.5	253	17	4.3	0
10/02/2022 03:40	1.9	260	20	3.3	0
10/02/2022 03:50	2.3	253	16	3.6	0
10/02/2022 04:00	2.5	266	19	3.9	0
10/02/2022 04:10	1.9	263	19	3	0
10/02/2022 04:20	2.2	253	15	3.2	0
10/02/2022 04:30	1.9	269	19	3.2	0
10/02/2022 04:40	1.8	276	16	2.8	0
10/02/2022 04:50	1.9	270	18	3.1	0
10/02/2022 05:00	1.6	270	16	2.3	0
10/02/2022 05:10	1.6	271	16	2.4	0
10/02/2022 05:20	1.6	275	14	2.4	0
10/02/2022 05:30	1.6	274	17	2.1	0
10/02/2022 05:40	1.3	278	16	1.8	0
10/02/2022 05:50	1	297	24	1.6	0
10/02/2022 06:00	1	273	27	1.6	0
10/02/2022 06:10	1.4	268	14	2.1	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/02/2022 06:20	1.3	259	15	1.8	0
10/02/2022 06:30	1.6	263	15	2.2	0
10/02/2022 06:40	1.4	247	21	2	0
10/02/2022 06:50	1.9	250	17	2.7	0
10/02/2022 07:00	2.3	250	16	3.2	0
10/02/2022 07:10	2.2	243	20	3	0
10/02/2022 07:20	2.1	229	19	3.2	0
10/02/2022 07:30	3.1	222	15	4.1	0
10/02/2022 07:40	3.2	220	14	4.5	0
10/02/2022 07:50	2.9	204	17	4.2	0
10/02/2022 08:00	2.9	208	16	4.1	0
10/02/2022 08:10					0
10/02/2022 08:20					0
10/02/2022 08:30	2.9	194	21	4.6	0
10/02/2022 08:40	2.8	195	30	4.5	0
10/02/2022 08:50	2.9	189	25	4.8	0
10/02/2022 09:00					0
10/02/2022 09:10					0
10/02/2022 09:20					0
10/02/2022 09:30					0
10/02/2022 09:40					0
10/02/2022 09:50	2.7	207	28	4.2	0
10/02/2022 10:00	2.8	205	24	4.9	0
10/02/2022 10:10					0
10/02/2022 10:20					0
10/02/2022 10:30					0
10/02/2022 10:40					0
10/02/2022 10:50					0
10/02/2022 11:00					0
10/02/2022 11:10					0
10/02/2022 11:20					0
10/02/2022 11:30					0
10/02/2022 11:40	3.5	253	21	5.2	0
10/02/2022 11:50	3.7	259	26	5.6	0
10/02/2022 12:00	3.8	257	21	5.8	0
10/02/2022 12:10	3.8	248	27	6.3	0
10/02/2022 12:20	3.1	274	37	5.9	0
10/02/2022 12:30	3.5	313	26	6.4	0
10/02/2022 12:40	3.3	322	30	5.4	0
10/02/2022 12:50	3.3	294	43	5.9	0
10/02/2022 13:00	4.3	246	20	7.2	0
10/02/2022 13:10	4.1	248	18	6.4	0
10/02/2022 13:20	3.5	259	29	5.5	0
10/02/2022 13:30	4.2	256	25	6.5	0
10/02/2022 13:40	4	255	22	6.2	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/02/2022 13:50	4.3	263	22	7	0
10/02/2022 14:00	4.7	255	21	7.2	0
10/02/2022 14:10	4.7	254	16	7.3	0
10/02/2022 14:20	4.7	253	21	6.9	0
10/02/2022 14:30	5.2	257	20	7.9	0
10/02/2022 14:40	4.9	256	22	7.6	0
10/02/2022 14:50	4.4	258	23	7	0
10/02/2022 15:00	3.9	266	21	6.4	0
10/02/2022 15:10	3.9	265	22	7	0
10/02/2022 15:20	4.4	254	20	6.6	0
10/02/2022 15:30	5.2	251	22	8.2	0
10/02/2022 15:40	5	253	21	8.3	0
10/02/2022 15:50	3.9	260	25	6.3	0
10/02/2022 16:00	3.4	276	38	6.3	0
10/02/2022 16:10	3.3	280	33	5.5	0
10/02/2022 16:20	3.2	272	38	6	0
10/02/2022 16:30	3.2	271	36	5.4	0
10/02/2022 16:40	3	262	27	5.2	0
10/02/2022 16:50	3.1	262	32	6.4	0
10/02/2022 17:00	3.1	259	22	5.2	0
10/02/2022 17:10	3.8	253	17	5.6	0
10/02/2022 17:20	3.7	256	19	6.2	0
10/02/2022 17:30	4.5	253	17	7.1	0
10/02/2022 17:40	4.4	257	21	7.1	0
10/02/2022 17:50	4.5	257	23	7.5	0
10/02/2022 18:00	4.6	255	19	7.3	0
10/02/2022 18:10	4.5	255	18	6.9	0
10/02/2022 18:20	4.4	256	22	6.8	0
10/02/2022 18:30	3.7	260	19	6.2	0
10/02/2022 18:40	4.2	259	19	6.3	0
10/02/2022 18:50	3.8	259	22	5.7	0
10/02/2022 19:00	3.7	257	22	6.1	0
10/02/2022 19:10	3.8	258	19	6	0
10/02/2022 19:20	3.7	254	18	5.4	0
10/02/2022 19:30	3.6	258	21	5.7	0
10/02/2022 19:40	3.1	262	22	4.8	0
10/02/2022 19:50	3.5	260	22	5.3	0
10/02/2022 20:00	3.7	261	18	5.5	0
10/02/2022 20:10	3.5	261	19	5.2	0
10/02/2022 20:20	3.3	264	24	5.4	0
10/02/2022 20:30	3.5	261	20	5.8	0
10/02/2022 20:40	3.8	257	20	6.8	0
10/02/2022 20:50	3.9	251	19	6.1	0
10/02/2022 21:00	4.3	251	16	6.3	0
10/02/2022 21:10	4.8	250	16	7.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/02/2022 21:20	4.2	250	18	6.4	0
10/02/2022 21:30	5.1	255	17	7.8	0
10/02/2022 21:40	4.7	254	15	7.3	0
10/02/2022 21:50	5	250	13	7.9	0
10/02/2022 22:00	3.9	254	20	6.6	0
10/02/2022 22:10	4.2	253	15	5.9	0
10/02/2022 22:20	4.1	253	19	6.8	0
10/02/2022 22:30	4.6	258	18	7.4	0
10/02/2022 22:40	4.3	253	16	6.8	0
10/02/2022 22:50	4.9	253	17	7.1	0
10/02/2022 23:00	5.1	249	16	7.5	0
10/02/2022 23:10	4.4	252	19	6.6	0
10/02/2022 23:20	4.9	256	18	7.2	0
10/02/2022 23:30	4.1	248	20	6	0
10/02/2022 23:40	4.7	249	18	7.2	0
10/02/2022 23:50	4.8	252	16	7	0
10/03/2022 00:00	4.5	253	16	6.8	0
10/03/2022 00:10	4.5	249	17	6.9	0
10/03/2022 00:20	4.2	245	21	6.5	0
10/03/2022 00:30	4.2	251	17	6.5	0
10/03/2022 00:40	4	247	19	6.8	0
10/03/2022 00:50	4	248	18	5.9	0
10/03/2022 01:00	3.8	249	20	6.2	0
10/03/2022 01:10	3.6	246	18	5.8	0
10/03/2022 01:20	4.3	243	17	5.6	0
10/03/2022 01:30	3.6	248	17	5.4	0
10/03/2022 01:40	3.7	249	17	5.6	0
10/03/2022 01:50	4.5	257	16	6.5	0
10/03/2022 02:00	4	251	16	5.9	0
10/03/2022 02:10	3.4	250	15	5.2	0
10/03/2022 02:20	3.4	244	15	5.2	0
10/03/2022 02:30	3.2	236	16	5	0
10/03/2022 02:40	3.1	244	16	4.1	0
10/03/2022 02:50	3.4	243	17	5.2	0
10/03/2022 03:00	3.1	242	16	5	0
10/03/2022 03:10	3.5	240	15	5.1	0
10/03/2022 03:20	2.9	247	18	4.7	0
10/03/2022 03:30	3	257	16	4	0
10/03/2022 03:40	3.5	259	16	4.8	0
10/03/2022 03:50	3.1	258	13	4.5	0
10/03/2022 04:00	3	265	15	4.5	0
10/03/2022 04:10	2.8	272	16	4	0
10/03/2022 04:20	2.4	275	20	3.5	0
10/03/2022 04:30	2.1	287	23	3.3	0
10/03/2022 04:40	2.4	293	22	3.6	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/03/2022 04:50	2.4	290	20	3.7	0
10/03/2022 05:00	3	274	18	4.4	0
10/03/2022 05:10	2	228	28	3.2	0
10/03/2022 05:20	2.8	210	22	4.4	0
10/03/2022 05:30	2.6	201	15	3.5	0
10/03/2022 05:40	2.7	204	13	3.7	0
10/03/2022 05:50	2.3	203	13	3.4	0
10/03/2022 06:00	2.3	198	17	3.7	0
10/03/2022 06:10	2.2	208	16	3.4	0
10/03/2022 06:20	2.2	197	17	3.2	0
10/03/2022 06:30	2.4	191	17	3.5	0
10/03/2022 06:40					0
10/03/2022 06:50					0
10/03/2022 07:00					0
10/03/2022 07:10					0
10/03/2022 07:20					0
10/03/2022 07:30					0
10/03/2022 07:40					0
10/03/2022 07:50					0
10/03/2022 08:00					0
10/03/2022 08:10					0
10/03/2022 08:20					0
10/03/2022 08:30					0
10/03/2022 08:40					0
10/03/2022 08:50					0
10/03/2022 09:00					0
10/03/2022 09:10					0
10/03/2022 09:20					0
10/03/2022 09:30					0
10/03/2022 09:40					0
10/03/2022 09:50					0
10/03/2022 10:00					0
10/03/2022 10:10					0
10/03/2022 10:20					0
10/03/2022 10:30					0
10/03/2022 10:40					0
10/03/2022 10:50					0
10/03/2022 11:00					0
10/03/2022 11:10					0
10/03/2022 11:20					0
10/03/2022 11:30					0
10/03/2022 11:40					0
10/03/2022 11:50	1.4	2	49	3.3	0
10/03/2022 12:00	1.8	209	39	3.7	0
10/03/2022 12:10	1.6	258	66	3.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/03/2022 12:20	1.3	26	56	2.7	0
10/03/2022 12:30	1.2	191	36	4.3	0
10/03/2022 12:40	0.9	17	24	3	0
10/03/2022 12:50					0
10/03/2022 13:00					0
10/03/2022 13:10	1.7	333	21	5.3	0
10/03/2022 13:20	2.7	339	31	5.2	0
10/03/2022 13:30	3	332	30	5.1	0
10/03/2022 13:40	1.1	331	14	4.1	0
10/03/2022 13:50	3.3	328	35	5.8	0
10/03/2022 14:00	3.7	331	27	6	0
10/03/2022 14:10	3.4	316	40	6.9	0
10/03/2022 14:20	3.3	321	38	6	0
10/03/2022 14:30	3.3	316	46	5.8	0
10/03/2022 14:40	3.8	308	35	6.4	0
10/03/2022 14:50	3.8	307	37	7.1	0
10/03/2022 15:00	3.6	305	32	6	0
10/03/2022 15:10	3.3	311	40	6	0
10/03/2022 15:20	3.6	315	31	5.7	0
10/03/2022 15:30	3.9	319	28	6.6	0
10/03/2022 15:40	3.2	316	37	6.4	0
10/03/2022 15:50	3.9	324	27	6.4	0
10/03/2022 16:00	3.6	311	31	6.4	0
10/03/2022 16:10	3.1	273	38	5.4	0
10/03/2022 16:20	3	280	40	5.6	0
10/03/2022 16:30	2.7	303	47	5.2	0
10/03/2022 16:40	3.2	304	41	6.5	0
10/03/2022 16:50	3.1	308	37	5.5	0
10/03/2022 17:00	2.7	294	36	5.3	0
10/03/2022 17:10	2.7	292	49	4.7	0
10/03/2022 17:20	2.8	287	41	4.7	0
10/03/2022 17:30	2.9	299	43	6	0
10/03/2022 17:40	2.7	309	34	5.1	0
10/03/2022 17:50	2.6	316	33	4.4	0
10/03/2022 18:00	2.7	311	36	4.8	0
10/03/2022 18:10	2.5	320	34	4.3	0
10/03/2022 18:20	2.4	296	40	4.6	0
10/03/2022 18:30	2.4	297	39	4.9	0
10/03/2022 18:40	2.5	284	38	4.4	0
10/03/2022 18:50	2.1	292	40	3.7	0
10/03/2022 19:00	2.4	280	38	4.6	0
10/03/2022 19:10	2.6	274	36	4.7	0
10/03/2022 19:20	2.4	277	36	4.6	0
10/03/2022 19:30	2.3	264	29	3.7	0
10/03/2022 19:40	2.5	261	30	4.2	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/03/2022 19:50	3	258	27	4.8	0
10/03/2022 20:00	3.2	262	22	5.1	0
10/03/2022 20:10	2.9	258	27	4.5	0
10/03/2022 20:20	2.9	258	19	4.3	0
10/03/2022 20:30	3	259	22	4.9	0
10/03/2022 20:40	3.4	258	20	5.2	0
10/03/2022 20:50	3.6	256	19	5.5	0
10/03/2022 21:00	4.1	255	20	6.4	0
10/03/2022 21:10	3.8	254	20	6.6	0
10/03/2022 21:20	4	258	17	6.4	0
10/03/2022 21:30	4.3	251	21	6.7	0
10/03/2022 21:40	4.1	255	22	5.8	0
10/03/2022 21:50	3.2	260	20	4.5	0
10/03/2022 22:00	3.2	263	16	4.8	0
10/03/2022 22:10	4	260	18	6	0
10/03/2022 22:20	3.2	254	18	5.1	0
10/03/2022 22:30	3.6	258	17	5.2	0
10/03/2022 22:40	3.8	251	20	6.1	0
10/03/2022 22:50	4	255	21	6.2	0
10/03/2022 23:00	4.8	248	15	6.6	0
10/03/2022 23:10	4.1	253	15	6.4	0
10/03/2022 23:20	3.7	254	18	6.2	0
10/03/2022 23:30	3.9	253	18	5.5	0
10/03/2022 23:40	4.1	255	18	6.8	0
10/03/2022 23:50	4.1	253	17	5.8	0
10/04/2022 00:00	4.1	252	15	6	0
10/04/2022 00:10	3.8	257	19	5.5	0
10/04/2022 00:20	4	256	16	6	0
10/04/2022 00:30	4.3	253	16	6	0
10/04/2022 00:40	3.9	253	14	5.6	0
10/04/2022 00:50	3.6	254	16	5.7	0
10/04/2022 01:00	3.8	255	14	5.4	0
10/04/2022 01:10	3.7	256	17	5.2	0
10/04/2022 01:20	3.8	258	16	5.3	0
10/04/2022 01:30	3.1	260	18	4.7	0
10/04/2022 01:40	3.4	258	16	5.1	0
10/04/2022 01:50	3.5	257	15	5.4	0
10/04/2022 02:00	2.6	263	15	3.6	0
10/04/2022 02:10	2.9	263	15	4.4	0
10/04/2022 02:20	2.6	258	13	3.6	0
10/04/2022 02:30	2.7	258	15	3.7	0
10/04/2022 02:40	2.4	256	14	3.4	0
10/04/2022 02:50	1.9	256	13	2.6	0
10/04/2022 03:00	2	261	12	2.4	0
10/04/2022 03:10	1.9	251	16	3	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/04/2022 03:20	1.8	249	19	2.9	0
10/04/2022 03:30	2.2	228	15	3.7	0
10/04/2022 03:40	1.6	251	17	2.6	0
10/04/2022 03:50	1.9	259	13	2.6	0
10/04/2022 04:00	2	259	16	2.8	0
10/04/2022 04:10	2.3	260	14	3	0
10/04/2022 04:20	2.5	266	15	3.6	0
10/04/2022 04:30	2.4	269	16	3.4	0
10/04/2022 04:40	2.3	276	20	3.7	0
10/04/2022 04:50	1.6	246	32	2.6	0
10/04/2022 05:00	1.7	225	33	3.2	0
10/04/2022 05:10	2	212	18	3.4	0
10/04/2022 05:20	2.1	208	19	3.9	0
10/04/2022 05:30	1.6	191	25	3.2	0
10/04/2022 05:40	1.3	172	34	2.4	0
10/04/2022 05:50	1.9	163	32	3.7	0
10/04/2022 06:00	1.4	156	25	3	0
10/04/2022 06:10	1.4	151	29	2.2	0
10/04/2022 06:20	1.6	137	32	2.9	0
10/04/2022 06:30	0.9	126	22	2.4	0
10/04/2022 06:40					0
10/04/2022 06:50					0
10/04/2022 07:00					0
10/04/2022 07:10					0
10/04/2022 07:20					0
10/04/2022 07:30					0
10/04/2022 07:40					0
10/04/2022 07:50					0
10/04/2022 08:00					0
10/04/2022 08:10					0
10/04/2022 08:20					0
10/04/2022 08:30					0
10/04/2022 08:40					0
10/04/2022 08:50					0
10/04/2022 09:00					0
10/04/2022 09:10					0
10/04/2022 09:20					0
10/04/2022 09:30					0
10/04/2022 09:40					0
10/04/2022 09:50					0
10/04/2022 10:00					0
10/04/2022 10:10					0
10/04/2022 10:20					0
10/04/2022 10:30					0
10/04/2022 10:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/04/2022 10:50					0
10/04/2022 11:00					0
10/04/2022 11:10					0
10/04/2022 11:20					0
10/04/2022 11:30					0
10/04/2022 11:40					0
10/04/2022 11:50					0
10/04/2022 12:00					0
10/04/2022 12:10					0
10/04/2022 12:20					0
10/04/2022 12:30					0
10/04/2022 12:40					0
10/04/2022 12:50					0
10/04/2022 13:00					0
10/04/2022 13:10					0
10/04/2022 13:20					0
10/04/2022 13:30					0
10/04/2022 13:40					0
10/04/2022 13:50					0
10/04/2022 14:00					0
10/04/2022 14:10					0
10/04/2022 14:20					0
10/04/2022 14:30					0
10/04/2022 14:40					0
10/04/2022 14:50					0
10/04/2022 15:00					0
10/04/2022 15:10					0
10/04/2022 15:20					0
10/04/2022 15:30					0
10/04/2022 15:40					0
10/04/2022 15:50					0
10/04/2022 16:00					0
10/04/2022 16:10					0
10/04/2022 16:20					0
10/04/2022 16:30					0
10/04/2022 16:40					0
10/04/2022 16:50					0
10/04/2022 17:00					0
10/04/2022 17:10					0
10/04/2022 17:20	2.9	320	22	4.5	0
10/04/2022 17:30	2.9	328	25	4.6	0
10/04/2022 17:40	3	330	22	4.8	0
10/04/2022 17:50	2.7	327	34	4.4	0
10/04/2022 18:00	2.8	320	26	4.8	0
10/04/2022 18:10	2.6	323	28	4.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/04/2022 18:20	2.4	319	28	4	0
10/04/2022 18:30	2.7	320	25	4	0
10/04/2022 18:40	2.6	316	24	4.2	0
10/04/2022 18:50	2.3	310	31	3.9	0
10/04/2022 19:00	2.1	261	31	3.4	0
10/04/2022 19:10	2.5	254	19	3.8	0
10/04/2022 19:20	2.2	261	29	3.4	0
10/04/2022 19:30	2.5	266	30	3.7	0
10/04/2022 19:40	2.1	263	35	3.4	0
10/04/2022 19:50	2.1	264	28	3.6	0
10/04/2022 20:00	2.2	270	29	3.5	0
10/04/2022 20:10	2.2	261	22	3.4	0
10/04/2022 20:20	2	259	23	3.2	0
10/04/2022 20:30	1.9	262	24	3.1	0
10/04/2022 20:40	2.8	255	17	4.1	0
10/04/2022 20:50	3.1	245	16	4.6	0
10/04/2022 21:00	2.9	252	15	4.3	0
10/04/2022 21:10	3.2	246	19	4.6	0
10/04/2022 21:20	3.1	247	16	4.5	0
10/04/2022 21:30	3.1	250	17	4.6	0
10/04/2022 21:40	3.1	250	16	4.9	0
10/04/2022 21:50	3.2	246	17	4.8	0
10/04/2022 22:00	2.9	246	15	4.3	0
10/04/2022 22:10	3.2	252	16	4.3	0
10/04/2022 22:20	3	250	17	4.9	0
10/04/2022 22:30	2.4	244	21	4.3	0
10/04/2022 22:40	2.9	242	18	4.2	0
10/04/2022 22:50	2.7	251	13	4.1	0
10/04/2022 23:00	2.5	250	15	3.6	0
10/04/2022 23:10	2.2	251	18	3.8	0
10/04/2022 23:20	1.9	241	17	3.1	0
10/04/2022 23:30	2.2	233	20	3.6	0
10/04/2022 23:40	2.6	230	15	3.8	0
10/04/2022 23:50	2.2	237	19	3.2	0
10/05/2022 00:00	2.3	238	17	3.4	0
10/05/2022 00:10	2.3	234	20	3.9	0
10/05/2022 00:20	2.2	238	18	3.6	0
10/05/2022 00:30	2.3	241	18	3.6	0
10/05/2022 00:40	1.9	252	16	2.9	0
10/05/2022 00:50	2.2	247	17	3.7	0
10/05/2022 01:00	2.6	242	19	4	0
10/05/2022 01:10	2.6	237	18	4	0
10/05/2022 01:20	1.9	246	16	3.1	0
10/05/2022 01:30	2.5	238	17	4	0
10/05/2022 01:40	2.9	234	14	4.1	0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/05/2022 01:50	2.3	236	15	3.3	0
10/05/2022 02:00	2.3	239	16	3.4	0
10/05/2022 02:10	2.8	236	17	4	0
10/05/2022 02:20	2.6	238	17	3.6	0
10/05/2022 02:30	2.7	232	15	4	0
10/05/2022 02:40	2.7	234	15	4.2	0
10/05/2022 02:50	2.6	232	17	4	0
10/05/2022 03:00	2.4	239	20	4	0
10/05/2022 03:10	2.8	233	15	3.8	0
10/05/2022 03:20	2.5	232	16	3.6	0
10/05/2022 03:30	2.7	229	14	4.6	0
10/05/2022 03:40	2.5	232	15	3.6	0
10/05/2022 03:50	2.6	237	14	4	0
10/05/2022 04:00	2.7	232	16	4.3	0
10/05/2022 04:10	2.7	233	15	3.9	0
10/05/2022 04:20	2.3	241	18	3.5	0
10/05/2022 04:30	2.2	247	16	3.3	0
10/05/2022 04:40	2.3	253	15	3.6	0
10/05/2022 04:50	2.3	250	15	3.6	0
10/05/2022 05:00	2.7	254	14	3.8	0
10/05/2022 05:10	2.2	246	16	3.1	0
10/05/2022 05:20	2.5	259	13	3.7	0
10/05/2022 05:30	2.3	255	15	3.3	0
10/05/2022 05:40	1.8	251	15	2.7	0
10/05/2022 05:50	1.8	257	15	2.4	0
10/05/2022 06:00	2	261	13	2.9	0
10/05/2022 06:10	1.9	252	13	2.4	0
10/05/2022 06:20	2.2	229	14	3.5	0
10/05/2022 06:30	0.3	253	5	1.7	0
10/05/2022 06:40					0
10/05/2022 06:50					0
10/05/2022 07:00					0
10/05/2022 07:10					0
10/05/2022 07:20					0
10/05/2022 07:30					0
10/05/2022 07:40					0
10/05/2022 07:50					0
10/05/2022 08:00					0
10/05/2022 08:10					0
10/05/2022 08:20					0
10/05/2022 08:30					0
10/05/2022 08:40					0
10/05/2022 08:50					0
10/05/2022 09:00					0
10/05/2022 09:10					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/05/2022 09:20					0
10/05/2022 09:30					0
10/05/2022 09:40					0
10/05/2022 09:50					0
10/05/2022 10:00					0
10/05/2022 10:10					0
10/05/2022 10:20					0
10/05/2022 10:30					0
10/05/2022 10:40					0
10/05/2022 10:50					0
10/05/2022 11:00					0
10/05/2022 11:10	1.8	356	32	2.8	0
10/05/2022 11:20	2	341	37	3.3	0
10/05/2022 11:30	2.3	339	35	4.3	0
10/05/2022 11:40	2.5	335	26	4.4	0
10/05/2022 11:50	2.4	321	30	3.8	0
10/05/2022 12:00	2.4	328	35	4	0
10/05/2022 12:10	2.7	333	31	4.5	0
10/05/2022 12:20	2.5	352	31	4.4	0
10/05/2022 12:30	2.6	333	33	5	0
10/05/2022 12:40	2.6	313	35	4.4	0
10/05/2022 12:50	2.6	322	32	4.5	0
10/05/2022 13:00	2.7	319	32	4.5	0
10/05/2022 13:10	3.5	319	25	5.2	0
10/05/2022 13:20	3.4	314	29	5.4	0
10/05/2022 13:30	3.5	313	23	5.5	0
10/05/2022 13:40	3.7	327	23	5.7	0
10/05/2022 13:50	2.7	330	35	4.7	0
10/05/2022 14:00	2.6	297	45	5.2	0
10/05/2022 14:10	2.9	323	28	5.2	0
10/05/2022 14:20	2.2	297	40	4	0
10/05/2022 14:30	2.6	299	40	4.7	0
10/05/2022 14:40	2.7	326	32	5	0
10/05/2022 14:50	2	313	34	4	0
10/05/2022 15:00	1.6	308	35	4.2	0
10/05/2022 15:10	1.6	314	36	4.9	0
10/05/2022 15:20	2	292	38	4.1	0
10/05/2022 15:30	3.3	254	23	5.2	0
10/05/2022 15:40	3.4	253	20	5.4	0
10/05/2022 15:50	3.5	251	22	5.8	0
10/05/2022 16:00	3.5	253	22	5.3	0
10/05/2022 16:10	3.7	249	19	6	0
10/05/2022 16:20	3.9	249	17	6	0
10/05/2022 16:30	3.8	253	15	5.6	0
10/05/2022 16:40	3.6	257	18	5.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/05/2022 16:50	3.7	254	18	5.5	0
10/05/2022 17:00	3.5	250	19	5.3	0
10/05/2022 17:10	3.6	247	19	5.7	0
10/05/2022 17:20	3.3	250	17	5.1	0
10/05/2022 17:30	4	241	18	5.6	0
10/05/2022 17:40	4.5	242	17	6.4	0
10/05/2022 17:50	3.9	243	17	5.6	0
10/05/2022 18:00	4.1	244	17	6.2	0
10/05/2022 18:10	4.3	245	18	6.4	0
10/05/2022 18:20	2.8	254	22	4.7	0
10/05/2022 18:30	2.3	257	25	3.8	0
10/05/2022 18:40	2.5	252	24	4.4	0
10/05/2022 18:50	2.3	246	18	3.6	0
10/05/2022 19:00	2	260	28	3.5	0
10/05/2022 19:10	2.3	255	24	3.4	0
10/05/2022 19:20	2.4	253	19	4	0
10/05/2022 19:30	3.1	260	21	5	0
10/05/2022 19:40	2.8	250	18	4.1	0
10/05/2022 19:50	2.9	253	16	4.7	0
10/05/2022 20:00	3.2	258	19	4.8	0
10/05/2022 20:10	3.2	259	23	4.8	0
10/05/2022 20:20	3.3	254	18	5.1	0
10/05/2022 20:30	4	249	15	5.7	0
10/05/2022 20:40	3.7	256	20	5.8	0
10/05/2022 20:50	4.5	251	17	6.8	0
10/05/2022 21:00	3.8	257	17	5.8	0
10/05/2022 21:10	4	248	19	6.4	0
10/05/2022 21:20	4.2	250	16	6	0
10/05/2022 21:30	3.6	259	21	5.8	0
10/05/2022 21:40	4.2	253	17	6.4	0
10/05/2022 21:50	3.1	259	19	5.2	0
10/05/2022 22:00	4	250	16	6	0
10/05/2022 22:10	4.2	252	19	6.1	0
10/05/2022 22:20	3.9	250	16	6	0
10/05/2022 22:30	3.7	251	17	5.7	0
10/05/2022 22:40	4.1	253	16	5.9	0
10/05/2022 22:50	3.9	257	19	6.3	0
10/05/2022 23:00	4	255	18	6.4	0
10/05/2022 23:10	4.2	256	17	5.9	0
10/05/2022 23:20	4.3	250	17	6.4	0
10/05/2022 23:30	5.1	253	14	7.5	0
10/05/2022 23:40	4.4	254	17	6.7	0
10/05/2022 23:50	4.3	255	19	6.4	0
10/06/2022 00:00	4.2	250	18	6.8	0
10/06/2022 00:10	4.7	247	15	7.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/06/2022 00:20	4.9	249	17	6.8	0
10/06/2022 00:30	4.2	250	17	6.1	0
10/06/2022 00:40	4.5	253	18	6.4	0
10/06/2022 00:50	4.9	252	18	6.4	0
10/06/2022 01:00	4.6	253	15	6.8	0
10/06/2022 01:10	4	255	17	6	0
10/06/2022 01:20	4.3	252	18	6.8	0
10/06/2022 01:30	3.6	247	18	6.1	0
10/06/2022 01:40	3.8	251	17	5.5	0
10/06/2022 01:50	3.9	249	17	5.8	0
10/06/2022 02:00	3.7	245	18	6.1	0
10/06/2022 02:10	3.5	248	18	5.8	0
10/06/2022 02:20	3.3	253	16	5.2	0
10/06/2022 02:30	3.3	252	16	5.2	0
10/06/2022 02:40	3.7	254	14	5.6	0
10/06/2022 02:50	3.2	256	15	5	0
10/06/2022 03:00	3.4	256	17	5	0
10/06/2022 03:10	3.2	256	17	5.1	0
10/06/2022 03:20	3.4	258	15	4.8	0
10/06/2022 03:30	3.3	259	13	4.8	0
10/06/2022 03:40	3.1	257	14	4.8	0
10/06/2022 03:50	3.1	264	13	4.4	0
10/06/2022 04:00	3.1	264	16	4.3	0
10/06/2022 04:10	3	268	15	4.4	0
10/06/2022 04:20	2.8	270	16	3.7	0
10/06/2022 04:30	2.8	272	15	3.6	0
10/06/2022 04:40	2.7	268	17	4.2	0
10/06/2022 04:50	3	260	16	4.3	0
10/06/2022 05:00	2.4	244	22	3.9	0
10/06/2022 05:10	2.8	237	17	4.1	0
10/06/2022 05:20	2.7	218	18	4.1	0
10/06/2022 05:30	2.6	203	17	4.2	0
10/06/2022 05:40	3.7	195	19	5.9	0
10/06/2022 05:50	3.5	191	16	5.4	0
10/06/2022 06:00	3.7	194	16	5.6	0
10/06/2022 06:10	3.3	193	14	5.6	0
10/06/2022 06:20					0
10/06/2022 06:30					0
10/06/2022 06:40					0
10/06/2022 06:50					0
10/06/2022 07:00					0
10/06/2022 07:10					0
10/06/2022 07:20					0
10/06/2022 07:30					0
10/06/2022 07:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/06/2022 07:50					0
10/06/2022 08:00					0
10/06/2022 08:10					0
10/06/2022 08:20					0
10/06/2022 08:30					0
10/06/2022 08:40					0
10/06/2022 08:50					0
10/06/2022 09:00					0
10/06/2022 09:10					0
10/06/2022 09:20					0
10/06/2022 09:30					0
10/06/2022 09:40					0
10/06/2022 09:50					0
10/06/2022 10:00					0
10/06/2022 10:10	1.6	121	24	3.4	0
10/06/2022 10:20	1.9	117	35	3.1	0
10/06/2022 10:30	2	95	23	3.6	0
10/06/2022 10:40					0
10/06/2022 10:50					0
10/06/2022 11:00					0
10/06/2022 11:10					0
10/06/2022 11:20					0
10/06/2022 11:30					0
10/06/2022 11:40	2.9	50	23	4.8	0
10/06/2022 11:50	2.9	55	22	4.4	0
10/06/2022 12:00	3.1	56	21	5.2	0
10/06/2022 12:10	3	59	21	4.6	0
10/06/2022 12:20	3	61	20	4.5	0
10/06/2022 12:30	2.9	64	21	4.8	0
10/06/2022 12:40	2.9	66	23	4.5	0
10/06/2022 12:50	2.8	68	20	4.5	0
10/06/2022 13:00	2.7	56	26	4.1	0
10/06/2022 13:10	2.2	185	61	4.3	0
10/06/2022 13:20	2.5	163	46	4.3	0
10/06/2022 13:30	2.6	358	36	4.4	0
10/06/2022 13:40	3.2	312	37	5.4	0
10/06/2022 13:50	3.3	331	35	6.1	0
10/06/2022 14:00	2.9	323	37	4.9	0
10/06/2022 14:10	3.2	315	34	5.5	0
10/06/2022 14:20	3.2	324	29	5.3	0
10/06/2022 14:30	2.9	315	30	4.8	0
10/06/2022 14:40	3.2	332	27	5.1	0
10/06/2022 14:50	2.7	323	31	4.4	0
10/06/2022 15:00					0
10/06/2022 15:10					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/06/2022 15:20					0
10/06/2022 15:30	2.7	277	34	4.1	0
10/06/2022 15:40	3.1	274	34	5.4	0
10/06/2022 15:50					0
10/06/2022 16:00					0
10/06/2022 16:10					0
10/06/2022 16:20					0
10/06/2022 16:30	3.7	241	14	5.7	0
10/06/2022 16:40	4.1	246	15	6	0
10/06/2022 16:50	3.6	250	15	5	0
10/06/2022 17:00	4.2	241	15	6	0
10/06/2022 17:10	3.9	244	17	5.8	0
10/06/2022 17:20	4	242	17	5.4	0
10/06/2022 17:30	4.6	244	13	6.6	0
10/06/2022 17:40	4.7	247	14	6.4	0
10/06/2022 17:50	3.7	247	18	5.4	0
10/06/2022 18:00	3.3	250	15	4.8	0
10/06/2022 18:10	3.3	255	19	5.2	0
10/06/2022 18:20	3.9	246	16	5.8	0
10/06/2022 18:30	3.2	249	14	4.5	0
10/06/2022 18:40	3.8	247	14	5.9	0
10/06/2022 18:50	3.7	247	14	5.6	0
10/06/2022 19:00	3.5	251	15	5.6	0
10/06/2022 19:10	3.5	250	15	4.8	0
10/06/2022 19:20	3.6	251	16	5.6	0
10/06/2022 19:30	3.5	251	18	5.2	0
10/06/2022 19:40	3.2	249	17	4.4	0
10/06/2022 19:50	3.3	250	15	4.8	0
10/06/2022 20:00	3.5	250	16	4.9	0
10/06/2022 20:10	3.6	250	14	5	0
10/06/2022 20:20	4	252	14	5.5	0
10/06/2022 20:30	3.8	250	15	5.3	0
10/06/2022 20:40	4.1	252	14	5.7	0
10/06/2022 20:50	4.1	248	16	5.9	0
10/06/2022 21:00	4.1	249	17	5.8	0
10/06/2022 21:10	4.3	252	16	6.4	0
10/06/2022 21:20	4.1	250	13	5.9	0
10/06/2022 21:30	4.3	251	14	6	0
10/06/2022 21:40	4.1	252	15	5.7	0
10/06/2022 21:50	3.6	250	18	5.5	0
10/06/2022 22:00	4.1	251	16	5.7	0
10/06/2022 22:10	4.1	256	15	5.4	0
10/06/2022 22:20	4.3	254	17	6.2	0
10/06/2022 22:30	3.9	253	16	5.4	0
10/06/2022 22:40	4.1	257	14	5.6	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/06/2022 22:50	3.4	256	16	5.4	0
10/06/2022 23:00	3.7	251	14	5	0
10/06/2022 23:10	3.6	249	14	5.6	0
10/06/2022 23:20	3.4	254	15	5.2	0
10/06/2022 23:30	3.7	254	16	5.4	0
10/06/2022 23:40	4	261	14	5.7	0
10/06/2022 23:50	4.2	255	15	5.6	0
10/07/2022 00:00	3.1	259	17	5.1	0
10/07/2022 00:10	4.3	254	15	6	0
10/07/2022 00:20	3.8	253	13	5.7	0
10/07/2022 00:30	3.5	253	18	4.8	0
10/07/2022 00:40	3.6	257	16	5	0
10/07/2022 00:50	3.5	257	15	5	0
10/07/2022 01:00	3.5	258	15	4.8	0
10/07/2022 01:10	3.1	261	15	4.7	0
10/07/2022 01:20	3	263	15	4.4	0
10/07/2022 01:30	2.8	266	17	4.1	0
10/07/2022 01:40	2.7	268	17	4	0
10/07/2022 01:50	2.5	270	17	4	0
10/07/2022 02:00	2.9	263	15	4	0
10/07/2022 02:10	3	258	14	4.1	0
10/07/2022 02:20	2.9	261	18	4.5	0
10/07/2022 02:30	2.6	262	16	3.4	0
10/07/2022 02:40	2.4	255	18	3.4	0
10/07/2022 02:50	2.6	258	15	3.6	0
10/07/2022 03:00	2.7	256	16	4	0
10/07/2022 03:10	2.9	259	14	3.8	0
10/07/2022 03:20	3	254	14	4.3	0
10/07/2022 03:30	3.2	259	19	4.9	0
10/07/2022 03:40	3.2	276	18	5	0
10/07/2022 03:50	3.1	281	19	4.6	0
10/07/2022 04:00	3.2	281	17	4.9	0
10/07/2022 04:10	3.1	265	19	4.9	0
10/07/2022 04:20	2.8	263	19	4.2	0
10/07/2022 04:30	2.6	255	17	3.8	0
10/07/2022 04:40	2.3	261	20	3.9	0
10/07/2022 04:50	2.5	268	18	3.3	0
10/07/2022 05:00	1.9	264	27	3.3	0
10/07/2022 05:10	1.5	238	25	2.6	0
10/07/2022 05:20	1.6	238	30	3.6	0
10/07/2022 05:30	1.4	181	47	3.2	0
10/07/2022 05:40	1.1	155	53	2.2	0
10/07/2022 05:50	1.4	237	77	3.6	0
10/07/2022 06:00	2.3	215	36	4.1	0
10/07/2022 06:10	2.2	225	31	4	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/07/2022 06:20					0
10/07/2022 06:30					0
10/07/2022 06:40					0
10/07/2022 06:50					0
10/07/2022 07:00					0
10/07/2022 07:10					0
10/07/2022 07:20					0
10/07/2022 07:30					0
10/07/2022 07:40					0
10/07/2022 07:50					0
10/07/2022 08:00					0
10/07/2022 08:10					0
10/07/2022 08:20					0
10/07/2022 08:30					0
10/07/2022 08:40					0
10/07/2022 08:50					0
10/07/2022 09:00					0
10/07/2022 09:10					0
10/07/2022 09:20					0
10/07/2022 09:30					0
10/07/2022 09:40					0
10/07/2022 09:50					0
10/07/2022 10:00					0
10/07/2022 10:10					0
10/07/2022 10:20					0
10/07/2022 10:30					0
10/07/2022 10:40					0
10/07/2022 10:50					0
10/07/2022 11:00					0
10/07/2022 11:10					0
10/07/2022 11:20					0
10/07/2022 11:30					0
10/07/2022 11:40					0
10/07/2022 11:50					0
10/07/2022 12:00					0
10/07/2022 12:10					0
10/07/2022 12:20					0
10/07/2022 12:30					0
10/07/2022 12:40					0
10/07/2022 12:50					0
10/07/2022 13:00					0
10/07/2022 13:10					0
10/07/2022 13:20					0
10/07/2022 13:30					0
10/07/2022 13:40					0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/07/2022 13:50					0
10/07/2022 14:00					0
10/07/2022 14:10					0
10/07/2022 14:20					0
10/07/2022 14:30					0
10/07/2022 14:40					0
10/07/2022 14:50					0
10/07/2022 15:00					0
10/07/2022 15:10					0
10/07/2022 15:20					0
10/07/2022 15:30					0
10/07/2022 15:40					0
10/07/2022 15:50					0
10/07/2022 16:00					0
10/07/2022 16:10					0
10/07/2022 16:20					0
10/07/2022 16:30					0
10/07/2022 16:40					0
10/07/2022 16:50					0
10/07/2022 17:00					0
10/07/2022 17:10					0
10/07/2022 17:20	2.7	248	20	4.6	0
10/07/2022 17:30	2.2	270	39	3.9	0
10/07/2022 17:40	2.9	250	23	5.2	0
10/07/2022 17:50	2.8	257	30	4.4	0
10/07/2022 18:00	2.6	255	22	4.4	0
10/07/2022 18:10	3.1	255	21	4.5	0
10/07/2022 18:20	3	256	21	4.8	0
10/07/2022 18:30	2.6	265	22	4	0
10/07/2022 18:40	2.5	263	23	3.7	0
10/07/2022 18:50	2.8	262	19	4.5	0
10/07/2022 19:00	2.4	259	19	3.8	0
10/07/2022 19:10	2.3	261	21	3.3	0
10/07/2022 19:20	2.5	255	20	3.7	0
10/07/2022 19:30	2.3	256	17	3.4	0
10/07/2022 19:40	2.4	265	25	3.7	0
10/07/2022 19:50	2	260	20	3.4	0
10/07/2022 20:00	2.2	260	18	3	0
10/07/2022 20:10	2.2	268	22	3.3	0
10/07/2022 20:20	2.3	266	19	3.6	0
10/07/2022 20:30	1.9	265	20	3.1	0
10/07/2022 20:40	1.7	263	20	2.6	0
10/07/2022 20:50	1.8	262	20	3.3	0
10/07/2022 21:00	1.6	265	17	2.4	0
10/07/2022 21:10	1.9	252	16	2.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/07/2022 21:20	2.1	250	13	2.8	0
10/07/2022 21:30	2	258	17	3.1	0
10/07/2022 21:40	1.6	274	19	2.4	0
10/07/2022 21:50	1.8	265	25	2.7	0
10/07/2022 22:00	2.1	249	14	2.9	0
10/07/2022 22:10	1.8	259	20	2.5	0
10/07/2022 22:20	1.9	259	18	2.6	0
10/07/2022 22:30	1.8	260	15	2.7	0
10/07/2022 22:40	1.9	254	15	2.6	0
10/07/2022 22:50	1.9	252	14	2.6	0
10/07/2022 23:00	1.6	274	23	3.1	0
10/07/2022 23:10	1.6	282	35	2.5	0
10/07/2022 23:20	1.9	269	20	3.2	0
10/07/2022 23:30	2.2	270	20	3.2	0
10/07/2022 23:40	2.3	262	18	3.6	0
10/07/2022 23:50	2.8	261	14	4.1	0
10/08/2022 00:00	1.9	263	19	3	0
10/08/2022 00:10	2	263	14	2.8	0
10/08/2022 00:20	2.9	256	13	4.2	0
10/08/2022 00:30	2.7	261	18	3.9	0
10/08/2022 00:40	2.1	261	14	3.2	0
10/08/2022 00:50	1.7	274	21	2.4	0
10/08/2022 01:00	1.8	299	29	2.9	0
10/08/2022 01:10	1.9	263	19	2.8	0
10/08/2022 01:20	1.7	270	22	2.6	0
10/08/2022 01:30	1.5	271	17	2.4	0
10/08/2022 01:40	1.4	254	19	2.1	0
10/08/2022 01:50	0.8	288	34	1.4	0
10/08/2022 02:00	1.2	269	16	1.6	0
10/08/2022 02:10	1.2	262	14	2	0
10/08/2022 02:20	1.7	259	12	2.3	0
10/08/2022 02:30	1.1	245	10	1.6	0
10/08/2022 02:40	0.5	82	42	0.8	0
10/08/2022 02:50	0.6	175	16	0.9	0
10/08/2022 03:00	1	307	16	1.6	0
10/08/2022 03:10	0.9	293	22	1.5	0
10/08/2022 03:20	0.6	164	28	1.1	0
10/08/2022 03:30	0.7	187	42	1.3	0
10/08/2022 03:40	0.8	177	71	1.2	0
10/08/2022 03:50	0.5	61	24	1	0
10/08/2022 04:00	0.5	43	33	1.1	0
10/08/2022 04:10	0.5	38	24	1	0
10/08/2022 04:20	0.1	192	6	0.5	0
10/08/2022 04:30	0.2	32	5	0.6	0
10/08/2022 04:40	0.3	28	19	0.7	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/08/2022 04:50	0.3	43	16	0.8	0
10/08/2022 05:00	0.4	38	16	0.8	0
10/08/2022 05:10	0.1	72	14	0.5	0
10/08/2022 05:20	0.5	29	27	0.8	0
10/08/2022 05:30	0.5	59	26	1	0
10/08/2022 05:40	0.4	51	38	1	0
10/08/2022 05:50	0.3	29	20	0.7	0
10/08/2022 06:00	0.7	44	18	1.2	0
10/08/2022 06:10	0.6	58	18	1.2	0
10/08/2022 06:20					0
10/08/2022 06:30					0
10/08/2022 06:40					0
10/08/2022 06:50					0
10/08/2022 07:00					0
10/08/2022 07:10					0
10/08/2022 07:20					0
10/08/2022 07:30					0
10/08/2022 07:40					0
10/08/2022 07:50					0
10/08/2022 08:00					0
10/08/2022 08:10					0
10/08/2022 08:20					0
10/08/2022 08:30					0
10/08/2022 08:40					0
10/08/2022 08:50					0
10/08/2022 09:00					0
10/08/2022 09:10					0
10/08/2022 09:20					0
10/08/2022 09:30					0
10/08/2022 09:40					0
10/08/2022 09:50					0
10/08/2022 10:00					0
10/08/2022 10:10					0
10/08/2022 10:20					0
10/08/2022 10:30					0
10/08/2022 10:40					0
10/08/2022 10:50					0
10/08/2022 11:00					0
10/08/2022 11:10					0
10/08/2022 11:20					0
10/08/2022 11:30					0
10/08/2022 11:40					0
10/08/2022 11:50					0
10/08/2022 12:00					0
10/08/2022 12:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/08/2022 12:20					0
10/08/2022 12:30					0
10/08/2022 12:40					0
10/08/2022 12:50					0
10/08/2022 13:00					0
10/08/2022 13:10					0
10/08/2022 13:20					0
10/08/2022 13:30					0
10/08/2022 13:40					0
10/08/2022 13:50					0
10/08/2022 14:00					0
10/08/2022 14:10					0
10/08/2022 14:20					0
10/08/2022 14:30					0
10/08/2022 14:40					0
10/08/2022 14:50					0
10/08/2022 15:00					0
10/08/2022 15:10					0
10/08/2022 15:20					0
10/08/2022 15:30					0
10/08/2022 15:40					0
10/08/2022 15:50					0
10/08/2022 16:00					0
10/08/2022 16:10					0
10/08/2022 16:20					0
10/08/2022 16:30					0
10/08/2022 16:40					0
10/08/2022 16:50					0
10/08/2022 17:00					0
10/08/2022 17:10					0
10/08/2022 17:20					0
10/08/2022 17:30					0
10/08/2022 17:40					0
10/08/2022 17:50					0
10/08/2022 18:00					0
10/08/2022 18:10	1.4	32	24	3.2	0
10/08/2022 18:20	2.4	19	37	4.4	0
10/08/2022 18:30	2.3	31	32	4.1	0
10/08/2022 18:40	2.1	29	31	3.5	0
10/08/2022 18:50	1.9	27	37	3.5	0
10/08/2022 19:00	1.9	21	36	3	0
10/08/2022 19:10	2	31	32	3.3	0
10/08/2022 19:20	1.2	47	63	2.4	0
10/08/2022 19:30	1.4	38	45	2.8	0
10/08/2022 19:40	1.3	64	61	2.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/08/2022 19:50	1.8	347	50	3.3	0
10/08/2022 20:00	2.3	336	29	4.2	0
10/08/2022 20:10	2.3	327	39	4.4	0
10/08/2022 20:20	1.9	331	40	3.8	0
10/08/2022 20:30	1.3	328	60	2.4	0
10/08/2022 20:40	0.9	81	54	1.6	0
10/08/2022 20:50	0.7	55	25	1	0
10/08/2022 21:00	0.5	39	40	0.9	0
10/08/2022 21:10	0.6	136	57	1.3	0
10/08/2022 21:20	0.8	272	45	1.6	0
10/08/2022 21:30	0.7	274	32	1.6	0
10/08/2022 21:40	0.3	219	21	0.7	0
10/08/2022 21:50	0.2	228	15	0.8	0
10/08/2022 22:00	0.7	263	16	1.2	0
10/08/2022 22:10	1	242	10	1.4	0
10/08/2022 22:20	1	253	15	1.2	0
10/08/2022 22:30	0.2	97	3	0.7	0
10/08/2022 22:40	0.1	64	2	0.6	0
10/08/2022 22:50	0.1	58	0	0.4	0
10/08/2022 23:00					0
10/08/2022 23:10	0.2	256	3	0.6	0
10/08/2022 23:20					0
10/08/2022 23:30					0
10/08/2022 23:40					0
10/08/2022 23:50	0.5	277	8	1.2	0
10/09/2022 00:00	0.5	293	14	0.9	0
10/09/2022 00:10	0.9	254	11	1.2	0
10/09/2022 00:20	1.3	257	9	1.5	0
10/09/2022 00:30	1.4	253	8	1.7	0
10/09/2022 00:40	1.4	253	7	1.6	0
10/09/2022 00:50	1.1	268	12	1.3	0
10/09/2022 01:00	1.1	264	11	1.4	0
10/09/2022 01:10	0.6	272	11	0.9	0
10/09/2022 01:20	0.5	314	18	0.8	0
10/09/2022 01:30	0.9	291	17	1.4	0
10/09/2022 01:40	1.2	274	15	1.8	0
10/09/2022 01:50	1	290	18	1.5	0
10/09/2022 02:00	1	286	21	1.6	0
10/09/2022 02:10	1.6	258	9	1.8	0
10/09/2022 02:20	1.4	263	12	1.9	0
10/09/2022 02:30	1.1	303	22	1.6	0
10/09/2022 02:40	1.1	291	20	1.6	0
10/09/2022 02:50	1.3	273	12	2	0
10/09/2022 03:00	0.9	232	22	1.4	0
10/09/2022 03:10	1.5	237	17	2.6	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/09/2022 03:20	1.9	253	14	2.7	0
10/09/2022 03:30	1.9	256	14	2.8	0
10/09/2022 03:40	1.9	253	15	3	0
10/09/2022 03:50	1.9	251	17	2.5	0
10/09/2022 04:00	1.8	255	13	2.3	0
10/09/2022 04:10	1.5	251	12	2	0
10/09/2022 04:20	1.6	248	12	2.2	0
10/09/2022 04:30	1.6	254	13	2.1	0
10/09/2022 04:40	1.5	255	14	1.9	0
10/09/2022 04:50	1.4	265	14	1.9	0
10/09/2022 05:00	1.5	272	14	2	0
10/09/2022 05:10	1.5	267	11	2	0
10/09/2022 05:20	0.7	145	40	1.2	0
10/09/2022 05:30	0.1	39	3	0.6	0
10/09/2022 05:40	0.4	38	14	0.7	0
10/09/2022 05:50	0.5	345	11	0.8	0
10/09/2022 06:00	0.6	193	25	1.1	0
10/09/2022 06:10	0.4	345	5	1	0
10/09/2022 06:20					0
10/09/2022 06:30					0
10/09/2022 06:40					0
10/09/2022 06:50					0
10/09/2022 07:00					0
10/09/2022 07:10					0
10/09/2022 07:20					0
10/09/2022 07:30					0
10/09/2022 07:40					0
10/09/2022 07:50					0
10/09/2022 08:00					0
10/09/2022 08:10					0
10/09/2022 08:20					0
10/09/2022 08:30					0
10/09/2022 08:40					0
10/09/2022 08:50					0
10/09/2022 09:00					0
10/09/2022 09:10					0
10/09/2022 09:20					0
10/09/2022 09:30					0
10/09/2022 09:40					0
10/09/2022 09:50					0
10/09/2022 10:00					0
10/09/2022 10:10					0
10/09/2022 10:20					0
10/09/2022 10:30					0
10/09/2022 10:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/09/2022 10:50					0
10/09/2022 11:00					0
10/09/2022 11:10					0
10/09/2022 11:20					0
10/09/2022 11:30					0
10/09/2022 11:40					0
10/09/2022 11:50					0
10/09/2022 12:00					0
10/09/2022 12:10					0
10/09/2022 12:20					0
10/09/2022 12:30					0
10/09/2022 12:40					0
10/09/2022 12:50					0
10/09/2022 13:00					0
10/09/2022 13:10					0
10/09/2022 13:20					0
10/09/2022 13:30					0
10/09/2022 13:40					0
10/09/2022 13:50					0
10/09/2022 14:00					0
10/09/2022 14:10					0
10/09/2022 14:20					0
10/09/2022 14:30					0
10/09/2022 14:40					0
10/09/2022 14:50					0
10/09/2022 15:00					0
10/09/2022 15:10					0
10/09/2022 15:20					0
10/09/2022 15:30					0
10/09/2022 15:40					0
10/09/2022 15:50					0
10/09/2022 16:00					0
10/09/2022 16:10					0
10/09/2022 16:20					0
10/09/2022 16:30					0
10/09/2022 16:40					0
10/09/2022 16:50					0
10/09/2022 17:00	2.3	182	23	4.9	0
10/09/2022 17:10	2.2	339	21	4.7	0
10/09/2022 17:20	2.8	347	29	4.4	0
10/09/2022 17:30	2.8	342	31	4.4	0
10/09/2022 17:40	2.8	332	27	4.8	0
10/09/2022 17:50	3	336	22	4.6	0
10/09/2022 18:00	3.2	327	22	4.7	0
10/09/2022 18:10	2.7	320	25	4.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/09/2022 18:20	2.2	332	41	4.3	0
10/09/2022 18:30	1.5	296	75	3	0
10/09/2022 18:40	1.7	296	50	4	0
10/09/2022 18:50	1.5	256	41	2.5	0
10/09/2022 19:00	1.7	274	39	3.2	0
10/09/2022 19:10	1.8	263	33	3.2	0
10/09/2022 19:20	2.1	255	26	3.7	0
10/09/2022 19:30	2	257	25	3.4	0
10/09/2022 19:40	2.1	259	25	3.5	0
10/09/2022 19:50	2.6	254	16	3.6	0
10/09/2022 20:00	2.7	251	17	4.1	0
10/09/2022 20:10	2.3	251	16	3.3	0
10/09/2022 20:20	2.1	254	22	3.2	0
10/09/2022 20:30	2	250	17	2.8	0
10/09/2022 20:40	2.2	252	20	3.2	0
10/09/2022 20:50	2.1	252	21	3.1	0
10/09/2022 21:00	2.2	253	20	3.2	0
10/09/2022 21:10	2.1	253	17	3	0
10/09/2022 21:20	2.2	248	16	3.3	0
10/09/2022 21:30	2	256	22	3.2	0
10/09/2022 21:40	2	252	19	3	0
10/09/2022 21:50	1.8	257	22	2.5	0
10/09/2022 22:00	1.6	260	23	2.4	0
10/09/2022 22:10	1.7	264	20	2.7	0
10/09/2022 22:20	2.6	253	17	3.7	0
10/09/2022 22:30	3.1	256	15	4.2	0
10/09/2022 22:40	2.8	258	17	3.8	0
10/09/2022 22:50	2.3	261	18	3.7	0
10/09/2022 23:00	2.6	259	18	3.9	0
10/09/2022 23:10	2.4	263	18	3.2	0
10/09/2022 23:20	2.6	254	15	4.1	0
10/09/2022 23:30	3.1	258	16	4.5	0
10/09/2022 23:40	3	257	14	4.8	0
10/09/2022 23:50	2.7	254	15	3.7	0
10/10/2022 00:00	2.6	259	17	4.3	0
10/10/2022 00:10	2.7	261	17	4.2	0
10/10/2022 00:20	2.6	262	16	4.3	0
10/10/2022 00:30	3.2	251	15	4.7	0
10/10/2022 00:40	3.4	253	15	5.4	0
10/10/2022 00:50	4	250	16	5.9	0
10/10/2022 01:00	4	247	15	5.7	0
10/10/2022 01:10	3.6	250	16	4.8	0
10/10/2022 01:20	3.1	248	17	4.8	0
10/10/2022 01:30	3	235	17	4.9	0
10/10/2022 01:40	3.4	240	16	4.8	0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/10/2022 01:50	3.7	236	17	5.2	0
10/10/2022 02:00	3.5	237	16	5.3	0
10/10/2022 02:10	3.4	235	19	4.8	0
10/10/2022 02:20	3.5	235	18	5.1	0
10/10/2022 02:30	3.8	233	16	5.2	0
10/10/2022 02:40	3.1	242	17	4.9	0
10/10/2022 02:50	2.7	240	16	4.2	0
10/10/2022 03:00	2.5	246	20	4	0
10/10/2022 03:10	2.2	247	17	3.6	0
10/10/2022 03:20	2	252	20	3.9	0
10/10/2022 03:30	2	251	18	3.1	0
10/10/2022 03:40	2.2	255	19	3.6	0
10/10/2022 03:50	1.8	252	19	3	0
10/10/2022 04:00	1.1	247	18	1.6	0
10/10/2022 04:10	1.2	259	16	1.8	0
10/10/2022 04:20	1.8	256	17	2.5	0
10/10/2022 04:30	2.2	250	20	3.8	0
10/10/2022 04:40	1.6	234	22	2.7	0
10/10/2022 04:50	2	238	18	3.1	0
10/10/2022 05:00	1.4	257	17	2.3	0
10/10/2022 05:10	1.2	266	14	1.7	0
10/10/2022 05:20	1.3	256	9	1.6	0
10/10/2022 05:30	1.6	240	18	2.4	0
10/10/2022 05:40	1.8	238	18	3	0
10/10/2022 05:50	2	239	19	2.9	0
10/10/2022 06:00	2.2	238	21	3.6	0
10/10/2022 06:10	2.3	239	19	3.8	0
10/10/2022 06:20	0.9	247	12	3.2	0
10/10/2022 06:30					0
10/10/2022 06:40					0
10/10/2022 06:50					0
10/10/2022 07:00					0
10/10/2022 07:10					0
10/10/2022 07:20					0
10/10/2022 07:30					0
10/10/2022 07:40					0
10/10/2022 07:50					0
10/10/2022 08:00					0
10/10/2022 08:10					0
10/10/2022 08:20					0
10/10/2022 08:30					0
10/10/2022 08:40					0
10/10/2022 08:50					0
10/10/2022 09:00					0
10/10/2022 09:10					0



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/10/2022 09:20					0
10/10/2022 09:30					0
10/10/2022 09:40					0
10/10/2022 09:50					0
10/10/2022 10:00					0
10/10/2022 10:10					0
10/10/2022 10:20					0
10/10/2022 10:30					0
10/10/2022 10:40					0
10/10/2022 10:50					0
10/10/2022 11:00					0
10/10/2022 11:10					0
10/10/2022 11:20					0
10/10/2022 11:30					0
10/10/2022 11:40					0
10/10/2022 11:50					0
10/10/2022 12:00					0
10/10/2022 12:10					0
10/10/2022 12:20					0
10/10/2022 12:30					0
10/10/2022 12:40					0
10/10/2022 12:50					0
10/10/2022 13:00					0
10/10/2022 13:10					0
10/10/2022 13:20					0
10/10/2022 13:30					0
10/10/2022 13:40					0
10/10/2022 13:50					0
10/10/2022 14:00					0
10/10/2022 14:10					0
10/10/2022 14:20					0
10/10/2022 14:30					0
10/10/2022 14:40					0
10/10/2022 14:50					0
10/10/2022 15:00					0
10/10/2022 15:10					0
10/10/2022 15:20					0
10/10/2022 15:30					0
10/10/2022 15:40					0
10/10/2022 15:50					0
10/10/2022 16:00					0
10/10/2022 16:10					0
10/10/2022 16:20					0
10/10/2022 16:30					0
10/10/2022 16:40					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/10/2022 16:50					0
10/10/2022 17:00					0
10/10/2022 17:10					0
10/10/2022 17:20					0
10/10/2022 17:30					0
10/10/2022 17:40	3.8	261	17	7.1	0
10/10/2022 17:50	4.2	257	19	6.7	0
10/10/2022 18:00	4.2	250	18	7.2	0
10/10/2022 18:10	4.6	250	15	6.4	0
10/10/2022 18:20	4.4	255	17	6.5	0
10/10/2022 18:30	4.1	252	20	7	0
10/10/2022 18:40	4.1	255	17	5.9	0
10/10/2022 18:50	5	254	19	7.7	0
10/10/2022 19:00	5	248	15	7.2	0
10/10/2022 19:10	4.4	249	17	6.8	0
10/10/2022 19:20	4.9	246	17	7.2	0
10/10/2022 19:30	5	249	16	7.5	0
10/10/2022 19:40	4.5	251	17	6.2	0
10/10/2022 19:50	4.3	251	18	6.4	0
10/10/2022 20:00	5.4	255	14	7.5	0
10/10/2022 20:10	4.6	251	16	6.7	0
10/10/2022 20:20	4.7	246	16	6.8	0
10/10/2022 20:30	4.9	250	17	6.6	0
10/10/2022 20:40	4.5	250	18	6.2	0
10/10/2022 20:50	4	251	15	5.5	0
10/10/2022 21:00	4	251	16	6.7	0
10/10/2022 21:10	4	251	17	5.6	0
10/10/2022 21:20	4.6	254	15	6.2	0
10/10/2022 21:30	4.6	254	13	6.6	0
10/10/2022 21:40	4.1	250	18	6.5	0
10/10/2022 21:50	4.2	244	16	6.2	0
10/10/2022 22:00	4.3	246	17	6.2	0
10/10/2022 22:10	3.7	250	18	6.2	0
10/10/2022 22:20	4.3	250	16	6.4	0
10/10/2022 22:30	4.1	251	14	6.3	0
10/10/2022 22:40	4.2	251	15	7	0
10/10/2022 22:50	4.1	245	19	5.9	0
10/10/2022 23:00	4	246	17	6.6	0
10/10/2022 23:10	3.8	253	19	5.6	0
10/10/2022 23:20	4.5	254	15	6.4	0
10/10/2022 23:30	4.2	248	17	6.1	0
10/10/2022 23:40	4.7	256	15	6.4	0
10/10/2022 23:50	4.8	247	15	6.6	0
10/11/2022 00:00	4.1	249	17	6.6	0
10/11/2022 00:10	4.2	248	19	6.2	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/11/2022 00:20	3.9	251	18	6.4	0
10/11/2022 00:30	4.4	255	14	6.5	0
10/11/2022 00:40	4.3	253	15	6.4	0
10/11/2022 00:50	4.3	257	16	6.4	0
10/11/2022 01:00	4	250	17	6.2	0
10/11/2022 01:10	3.8	253	16	5.5	0
10/11/2022 01:20	4	259	16	6.1	0
10/11/2022 01:30	3.7	257	15	5.9	0
10/11/2022 01:40	3.9	260	18	5.9	0
10/11/2022 01:50	3.5	256	17	4.9	0
10/11/2022 02:00	3.6	258	16	5	0
10/11/2022 02:10	4.3	250	15	6.4	0
10/11/2022 02:20	4.6	253	14	6.8	0
10/11/2022 02:30	4.1	256	15	5.5	0
10/11/2022 02:40	4.1	255	14	5.9	0
10/11/2022 02:50	3.6	255	13	5.4	0
10/11/2022 03:00	4.2	254	15	6.2	0
10/11/2022 03:10	4.1	255	14	6	0
10/11/2022 03:20	3.5	256	15	5.8	0
10/11/2022 03:30	3.6	255	14	5.2	0
10/11/2022 03:40	2.3	250	21	3.5	0
10/11/2022 03:50	2.8	237	18	4.5	0
10/11/2022 04:00	2.5	242	17	3.5	0
10/11/2022 04:10	2.5	247	16	3.7	0
10/11/2022 04:20	2.9	252	17	4.5	0
10/11/2022 04:30	3.1	254	15	4.4	0
10/11/2022 04:40	2.8	254	16	4.2	0
10/11/2022 04:50	2.2	251	13	3.2	0
10/11/2022 05:00	1.8	252	17	2.8	0
10/11/2022 05:10	1.6	253	15	2.4	0
10/11/2022 05:20	2	274	19	2.9	0
10/11/2022 05:30	2.1	282	21	3.3	0
10/11/2022 05:40	2.6	284	21	3.6	0
10/11/2022 05:50	2.7	280	18	4	0
10/11/2022 06:00	2.7	276	18	3.6	0
10/11/2022 06:10					0
10/11/2022 06:20					0
10/11/2022 06:30					0
10/11/2022 06:40					0
10/11/2022 06:50					0
10/11/2022 07:00					0
10/11/2022 07:10	1.7	255	14	3.4	0
10/11/2022 07:20	1.9	264	14	3.3	0
10/11/2022 07:30	1.6	271	12	3.2	0
10/11/2022 07:40					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/11/2022 07:50					0
10/11/2022 08:00					0
10/11/2022 08:10					0
10/11/2022 08:20					0
10/11/2022 08:30					0
10/11/2022 08:40					0
10/11/2022 08:50					0
10/11/2022 09:00					0
10/11/2022 09:10					0
10/11/2022 09:20					0
10/11/2022 09:30	1.9	297	55	3.1	0
10/11/2022 09:40	1.9	245	30	3.3	0
10/11/2022 09:50	1.8	257	46	2.8	0
10/11/2022 10:00	0.9	184	63	1.7	0
10/11/2022 10:10	1.7	182	62	3.2	0
10/11/2022 10:20	1.8	215	39	3.3	0
10/11/2022 10:30	1.6	274	43	3	0
10/11/2022 10:40	2.6	269	31	4.4	0
10/11/2022 10:50	2.5	299	26	4	0
10/11/2022 11:00	2.7	259	24	4	0
10/11/2022 11:10	2.4	301	36	3.6	0
10/11/2022 11:20	2.7	313	38	4.8	0
10/11/2022 11:30	2.8	307	39	4.8	0
10/11/2022 11:40	2.7	308	40	4.5	0
10/11/2022 11:50	3	323	29	4.8	0
10/11/2022 12:00	2.7	270	41	5.1	0
10/11/2022 12:10	2.8	302	40	4.9	0
10/11/2022 12:20	3.3	268	35	4.8	0
10/11/2022 12:30	3.1	266	33	5.8	0
10/11/2022 12:40	3	268	36	5.2	0
10/11/2022 12:50	3.5	273	35	6	0
10/11/2022 13:00	3.2	293	41	5.3	0
10/11/2022 13:10	2.9	290	53	5.2	0
10/11/2022 13:20	2.9	265	35	5	0
10/11/2022 13:30	3	268	36	5.1	0
10/11/2022 13:40	4.4	249	21	6.9	0
10/11/2022 13:50	4.5	253	19	7.5	0
10/11/2022 14:00	4.5	260	20	7.7	0
10/11/2022 14:10	4.7	255	21	7.4	0
10/11/2022 14:20	5	259	20	7.9	0
10/11/2022 14:30	5.1	259	22	7.5	0
10/11/2022 14:40	4.9	259	20	7.7	0
10/11/2022 14:50	4.6	252	21	7.4	0
10/11/2022 15:00	5	249	17	7.2	0
10/11/2022 15:10	4.7	251	20	7.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/11/2022 15:20	5.3	246	18	7.5	0
10/11/2022 15:30	5	248	19	7.4	0
10/11/2022 15:40	5.6	247	18	8.1	0
10/11/2022 15:50	5	255	18	8.2	0
10/11/2022 16:00	5.4	247	17	7.9	0
10/11/2022 16:10	5.2	253	19	8.3	0
10/11/2022 16:20	5.1	253	19	8	0
10/11/2022 16:30	5.4	249	18	8.2	0
10/11/2022 16:40	5.5	252	17	8.2	0
10/11/2022 16:50	4.9	252	22	7.5	0
10/11/2022 17:00	5.1	251	19	7.5	0
10/11/2022 17:10	5.9	249	18	9	0
10/11/2022 17:20	5.6	249	17	8.3	0
10/11/2022 17:30	5.9	247	15	8.9	0
10/11/2022 17:40	5.3	250	16	7.5	0
10/11/2022 17:50	5.7	249	18	8.2	0
10/11/2022 18:00	6.5	250	16	9.5	0
10/11/2022 18:10	6.6	250	14	9.5	0
10/11/2022 18:20	6.5	252	15	9.1	0
10/11/2022 18:30	5.3	250	18	7.8	0
10/11/2022 18:40	6.3	249	18	9.4	0
10/11/2022 18:50	5.7	248	16	8.2	0
10/11/2022 19:00	5.6	247	16	8.7	0
10/11/2022 19:10	5.7	249	17	8.3	0
10/11/2022 19:20	4.9	247	18	7.5	0
10/11/2022 19:30	6.1	251	19	8.7	0
10/11/2022 19:40	5.7	251	20	8.1	0
10/11/2022 19:50	5	241	21	7.6	0
10/11/2022 20:00	5.2	246	19	8.1	0
10/11/2022 20:10	4.7	245	17	7.2	0
10/11/2022 20:20	5.7	242	17	8.5	0
10/11/2022 20:30	4.8	240	17	8.3	0
10/11/2022 20:40	5.4	243	20	8.2	0
10/11/2022 20:50	5.6	242	17	8.2	0
10/11/2022 21:00	4.7	242	18	7.6	0
10/11/2022 21:10	4.5	237	17	6.9	0
10/11/2022 21:20	5.8	235	14	8.3	0
10/11/2022 21:30	5.7	233	18	7.8	0
10/11/2022 21:40	6.1	237	17	8.7	0
10/11/2022 21:50	5.3	238	19	8	0
10/11/2022 22:00	5.6	241	18	8.3	0
10/11/2022 22:10	5.7	239	17	8.5	0
10/11/2022 22:20	5.7	236	19	8.3	0
10/11/2022 22:30	5.8	238	17	9.1	0
10/11/2022 22:40	5.6	236	19	8.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/11/2022 22:50	5.6	234	17	8.2	0
10/11/2022 23:00	5	238	17	7.3	0
10/11/2022 23:10	5.1	239	14	7.5	0
10/11/2022 23:20	4.8	239	17	6.6	0
10/11/2022 23:30	5.5	238	18	7.5	0
10/11/2022 23:40	5.3	243	19	7.7	0
10/11/2022 23:50	4.4	244	17	6.8	0
10/12/2022 00:00	4.1	244	19	6.4	0
10/12/2022 00:10	4.3	242	18	7.4	0
10/12/2022 00:20	3.7	242	20	6	0
10/12/2022 00:30	4	244	19	5.9	0
10/12/2022 00:40	4	248	19	6.1	0
10/12/2022 00:50	4.1	250	21	6.4	0
10/12/2022 01:00	4.7	253	14	6.4	0
10/12/2022 01:10	4	250	18	6.5	0
10/12/2022 01:20	4.5	252	16	6.4	0
10/12/2022 01:30	3.7	250	20	5.5	0
10/12/2022 01:40	4.1	247	16	6.3	0
10/12/2022 01:50	4	242	18	5.6	0
10/12/2022 02:00	4	239	16	5.7	0
10/12/2022 02:10	3.6	240	16	5.8	0
10/12/2022 02:20	3.5	242	15	5.3	0
10/12/2022 02:30	3.5	249	17	4.8	0
10/12/2022 02:40	3.1	252	18	5.1	0
10/12/2022 02:50	3	249	19	4.5	0
10/12/2022 03:00	3.1	251	18	4.7	0
10/12/2022 03:10	3.5	239	18	5.4	0
10/12/2022 03:20	3.3	244	17	5.3	0
10/12/2022 03:30	3.5	245	15	5.4	0
10/12/2022 03:40	3.6	243	19	5.4	0
10/12/2022 03:50	3.8	248	19	5.6	0
10/12/2022 04:00	3.8	244	18	5.4	0
10/12/2022 04:10	4	246	19	6.3	0
10/12/2022 04:20	4	245	18	6	0
10/12/2022 04:30	4.1	244	20	6.5	0
10/12/2022 04:40	3.9	242	16	6.5	0
10/12/2022 04:50	3.5	246	19	5.7	0
10/12/2022 05:00	3.7	245	15	5.6	0
10/12/2022 05:10	3.9	244	18	6.5	0
10/12/2022 05:20	3.5	242	18	5.9	0
10/12/2022 05:30	3.4	242	19	5.5	0
10/12/2022 05:40	3.3	235	24	5.2	0
10/12/2022 05:50	3.6	238	17	5.2	0
10/12/2022 06:00	3.9	246	15	5.9	0
10/12/2022 06:10	3.9	246	15	5.9	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/12/2022 06:20	3.4	239	18	5	0
10/12/2022 06:30	3.4	225	17	6.4	0
10/12/2022 06:40	3.8	222	19	6	0
10/12/2022 06:50	4.2	225	17	5.9	0
10/12/2022 07:00	4.6	220	16	6.8	0
10/12/2022 07:10	4.2	221	15	6.2	0
10/12/2022 07:20	4.6	214	15	6.8	0
10/12/2022 07:30	4.8	219	15	6.8	0
10/12/2022 07:40	4.3	213	18	6.4	0
10/12/2022 07:50	4.1	211	16	6	0
10/12/2022 08:00	3.9	202	19	5.9	0
10/12/2022 08:10	4	206	18	6.5	0
10/12/2022 08:20	4.3	207	21	6.2	0
10/12/2022 08:30	4	205	23	5.9	0
10/12/2022 08:40					0
10/12/2022 08:50					0
10/12/2022 09:00					0
10/12/2022 09:10					0
10/12/2022 09:20					0
10/12/2022 09:30					0
10/12/2022 09:40					0
10/12/2022 09:50					0
10/12/2022 10:00					0
10/12/2022 10:10					0
10/12/2022 10:20					0
10/12/2022 10:30					0
10/12/2022 10:40					0
10/12/2022 10:50					0
10/12/2022 11:00					0
10/12/2022 11:10					0
10/12/2022 11:20					0
10/12/2022 11:30					0
10/12/2022 11:40					0
10/12/2022 11:50					0
10/12/2022 12:00					0
10/12/2022 12:10					0
10/12/2022 12:20					0
10/12/2022 12:30					0
10/12/2022 12:40					0
10/12/2022 12:50					0
10/12/2022 13:00					0
10/12/2022 13:10					0
10/12/2022 13:20					0
10/12/2022 13:30					0
10/12/2022 13:40					0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/12/2022 13:50					0
10/12/2022 14:00					0
10/12/2022 14:10					0
10/12/2022 14:20					0
10/12/2022 14:30					0
10/12/2022 14:40					0
10/12/2022 14:50					0
10/12/2022 15:00					0
10/12/2022 15:10					0
10/12/2022 15:20					0
10/12/2022 15:30					0
10/12/2022 15:40					0
10/12/2022 15:50					0
10/12/2022 16:00					0
10/12/2022 16:10					0
10/12/2022 16:20					0
10/12/2022 16:30					0
10/12/2022 16:40					0
10/12/2022 16:50					0
10/12/2022 17:00					0
10/12/2022 17:10					0
10/12/2022 17:20					0
10/12/2022 17:30					0
10/12/2022 17:40					0
10/12/2022 17:50					0
10/12/2022 18:00					0
10/12/2022 18:10					0
10/12/2022 18:20					0
10/12/2022 18:30					0
10/12/2022 18:40					0
10/12/2022 18:50					0
10/12/2022 19:00					0
10/12/2022 19:10					0
10/12/2022 19:20					0
10/12/2022 19:30					0
10/12/2022 19:40					0
10/12/2022 19:50					0
10/12/2022 20:00					0
10/12/2022 20:10					0
10/12/2022 20:20					0
10/12/2022 20:30					0
10/12/2022 20:40					0
10/12/2022 20:50					0
10/12/2022 21:00					0
10/12/2022 21:10					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/12/2022 21:20					0
10/12/2022 21:30					0
10/12/2022 21:40					0
10/12/2022 21:50					0
10/12/2022 22:00					0
10/12/2022 22:10					0
10/12/2022 22:20					0
10/12/2022 22:30					0
10/12/2022 22:40					0
10/12/2022 22:50					0
10/12/2022 23:00					0
10/12/2022 23:10					0
10/12/2022 23:20					0
10/12/2022 23:30	4.2	187	22	6	0
10/12/2022 23:40	3.6	181	16	6	0
10/12/2022 23:50	4	180	14	6	0
13/10/2022 00:00	3.6	183	18	5.8	0
13/10/2022 00:10	3.1	179	17	4.9	0
13/10/2022 00:20	3	181	21	5.9	0
13/10/2022 00:30	2.1	167	23	4	0
13/10/2022 00:40	0.9	175	13	3.8	0
13/10/2022 00:50	2.4	174	19	4.2	0
13/10/2022 01:00	2.8	178	19	5	0
13/10/2022 01:10	2.8	177	18	4.1	0
13/10/2022 01:20	3.2	170	21	5.2	0
13/10/2022 01:30	2.7	171	21	4.4	0
13/10/2022 01:40	3	182	19	4.9	0
13/10/2022 01:50	2.8	177	16	4.3	0
13/10/2022 02:00	2.7	177	17	4.5	0
13/10/2022 02:10	2.2	169	22	3.3	0
13/10/2022 02:20	2.3	166	25	4	0
13/10/2022 02:30	2.3	164	21	4	0
13/10/2022 02:40	2.4	162	25	4	0
13/10/2022 02:50	2.1	161	23	3.7	0
13/10/2022 03:00	2	163	26	3.3	0
13/10/2022 03:10	2	158	22	3.1	0
13/10/2022 03:20	1.8	154	22	3.3	0
13/10/2022 03:30	1.8	154	27	3.5	0
13/10/2022 03:40	1.7	151	21	3.2	0
13/10/2022 03:50	1.7	149	23	2.4	0
13/10/2022 04:00					0
13/10/2022 04:10	1.5	151	22	2.5	0
13/10/2022 04:20	1.3	149	18	3.7	0
13/10/2022 04:30					0
13/10/2022 04:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/10/2022 04:50					0
13/10/2022 05:00					0
13/10/2022 05:10					0
13/10/2022 05:20					0
13/10/2022 05:30					0
13/10/2022 05:40					0
13/10/2022 05:50					0
13/10/2022 06:00					0
13/10/2022 06:10					0
13/10/2022 06:20					0
13/10/2022 06:30					0
13/10/2022 06:40					0
13/10/2022 06:50					0
13/10/2022 07:00					0
13/10/2022 07:10					0
13/10/2022 07:20					0
13/10/2022 07:30					0
13/10/2022 07:40					0
13/10/2022 07:50					0
13/10/2022 08:00					0
13/10/2022 08:10					0
13/10/2022 08:20					0
13/10/2022 08:30					0
13/10/2022 08:40					0
13/10/2022 08:50					0
13/10/2022 09:00					0
13/10/2022 09:10					0
13/10/2022 09:20					0
13/10/2022 09:30					0
13/10/2022 09:40					0
13/10/2022 09:50					0
13/10/2022 10:00					0
13/10/2022 10:10					0
13/10/2022 10:20					0
13/10/2022 10:30					0
13/10/2022 10:40					0
13/10/2022 10:50					0
13/10/2022 11:00					0
13/10/2022 11:10					0
13/10/2022 11:20					0
13/10/2022 11:30					0
13/10/2022 11:40					0
13/10/2022 11:50					0
13/10/2022 12:00					0
13/10/2022 12:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/10/2022 12:20					0
13/10/2022 12:30					0
13/10/2022 12:40					0
13/10/2022 12:50					0
13/10/2022 13:00					0
13/10/2022 13:10					0
13/10/2022 13:20					0
13/10/2022 13:30					0
13/10/2022 13:40					0
13/10/2022 13:50					0
13/10/2022 14:00					0
13/10/2022 14:10					0
13/10/2022 14:20					0
13/10/2022 14:30					0
13/10/2022 14:40					0
13/10/2022 14:50					0
13/10/2022 15:00					0
13/10/2022 15:10					0
13/10/2022 15:20					0
13/10/2022 15:30					0
13/10/2022 15:40					0
13/10/2022 15:50					0
13/10/2022 16:00					0
13/10/2022 16:10					0
13/10/2022 16:20					0
13/10/2022 16:30					0
13/10/2022 16:40					0
13/10/2022 16:50					0
13/10/2022 17:00					0
13/10/2022 17:10					0
13/10/2022 17:20					0
13/10/2022 17:30					0
13/10/2022 17:40					0
13/10/2022 17:50					0
13/10/2022 18:00					0
13/10/2022 18:10					0
13/10/2022 18:20					0
13/10/2022 18:30					0
13/10/2022 18:40					0
13/10/2022 18:50					0
13/10/2022 19:00					0
13/10/2022 19:10					0
13/10/2022 19:20					0
13/10/2022 19:30					0
13/10/2022 19:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/10/2022 19:50					0
13/10/2022 20:00					0
13/10/2022 20:10					0
13/10/2022 20:20					0
13/10/2022 20:30					0
13/10/2022 20:40					0
13/10/2022 20:50					0
13/10/2022 21:00					0
13/10/2022 21:10					0
13/10/2022 21:20					0
13/10/2022 21:30					0
13/10/2022 21:40					0
13/10/2022 21:50					0
13/10/2022 22:00					0
13/10/2022 22:10					0
13/10/2022 22:20					0
13/10/2022 22:30					0
13/10/2022 22:40					0
13/10/2022 22:50					0
13/10/2022 23:00					0
13/10/2022 23:10					0
13/10/2022 23:20					0
13/10/2022 23:30					0
13/10/2022 23:40					0
13/10/2022 23:50					0
14/10/2022 00:00	2.3	236	15	3.4	0
14/10/2022 00:10	2.5	240	14	3.6	0
14/10/2022 00:20	1.8	251	16	2.7	0
14/10/2022 00:30	1.6	251	16	2.4	0
14/10/2022 00:40	1.8	248	17	2.5	0
14/10/2022 00:50	1.9	247	16	2.8	0
14/10/2022 01:00	1.8	229	18	3.2	0
14/10/2022 01:10					0
14/10/2022 01:20					0
14/10/2022 01:30					0
14/10/2022 01:40					0
14/10/2022 01:50					0
14/10/2022 02:00					0
14/10/2022 02:10					0
14/10/2022 02:20					0
14/10/2022 02:30					0
14/10/2022 02:40					0
14/10/2022 02:50					0
14/10/2022 03:00					0
14/10/2022 03:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/10/2022 03:20	0	193	8	0.6	0
14/10/2022 03:30	0	218	14	0.7	0
14/10/2022 03:40	0.9	261	66	2	0
14/10/2022 03:50	0.8	201	54	1.4	0
14/10/2022 04:00	0.6	214	29	1.2	0
14/10/2022 04:10	0.7	173	40	2.1	0
14/10/2022 04:20	0.7	187	51	1.6	0
14/10/2022 04:30	0.8	171	43	1.5	0
14/10/2022 04:40	0.9	179	41	2	0
14/10/2022 04:50	0.6	198	44	1.2	0
14/10/2022 05:00	0.8	267	51	1.3	0
14/10/2022 05:10	1	222	57	1.7	0
14/10/2022 05:20	1.1	211	28	2	0
14/10/2022 05:30	0.3	229	7	2	0
14/10/2022 05:40	1.2	218	22	2	0
14/10/2022 05:50	0.3	113	43	0.8	0
14/10/2022 06:00	0.2	92	20	0.9	0
14/10/2022 06:10					0
14/10/2022 06:20					0
14/10/2022 06:30					0
14/10/2022 06:40					0
14/10/2022 06:50					0
14/10/2022 07:00					0
14/10/2022 07:10					0
14/10/2022 07:20					0
14/10/2022 07:30					0
14/10/2022 07:40					0
14/10/2022 07:50					0
14/10/2022 08:00					0
14/10/2022 08:10					0
14/10/2022 08:20					0
14/10/2022 08:30					0
14/10/2022 08:40					0
14/10/2022 08:50					0
14/10/2022 09:00					0
14/10/2022 09:10					0
14/10/2022 09:20					0
14/10/2022 09:30					0
14/10/2022 09:40					0
14/10/2022 09:50					0
14/10/2022 10:00					0
14/10/2022 10:10					0
14/10/2022 10:20					0
14/10/2022 10:30					0
14/10/2022 10:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/10/2022 10:50					0
14/10/2022 11:00					0
14/10/2022 11:10					0
14/10/2022 11:20					0
14/10/2022 11:30					0
14/10/2022 11:40					0
14/10/2022 11:50					0
14/10/2022 12:00					0
14/10/2022 12:10					0
14/10/2022 12:20					0
14/10/2022 12:30					0
14/10/2022 12:40					0
14/10/2022 12:50					0
14/10/2022 13:00					0
14/10/2022 13:10					0
14/10/2022 13:20					0
14/10/2022 13:30					0
14/10/2022 13:40					0
14/10/2022 13:50					0
14/10/2022 14:00					0
14/10/2022 14:10					0
14/10/2022 14:20					0
14/10/2022 14:30					0
14/10/2022 14:40					0
14/10/2022 14:50					0
14/10/2022 15:00					0
14/10/2022 15:10					0
14/10/2022 15:20					0
14/10/2022 15:30					0
14/10/2022 15:40					0
14/10/2022 15:50					0
14/10/2022 16:00					0
14/10/2022 16:10					0
14/10/2022 16:20					0
14/10/2022 16:30					0
14/10/2022 16:40					0
14/10/2022 16:50					0
14/10/2022 17:00					0
14/10/2022 17:10					0
14/10/2022 17:20					0
14/10/2022 17:30					0
14/10/2022 17:40					0
14/10/2022 17:50					0
14/10/2022 18:00					0
14/10/2022 18:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/10/2022 18:20					0
14/10/2022 18:30					0
14/10/2022 18:40					0
14/10/2022 18:50					0
14/10/2022 19:00					0
14/10/2022 19:10					0
14/10/2022 19:20					0
14/10/2022 19:30					0
14/10/2022 19:40					0
14/10/2022 19:50					0
14/10/2022 20:00					0
14/10/2022 20:10					0
14/10/2022 20:20					0
14/10/2022 20:30					0
14/10/2022 20:40					0
14/10/2022 20:50					0
14/10/2022 21:00					0
14/10/2022 21:10					0
14/10/2022 21:20					0
14/10/2022 21:30					0
14/10/2022 21:40					0
14/10/2022 21:50					0
14/10/2022 22:00					0
14/10/2022 22:10					0
14/10/2022 22:20	2	243	11	3.8	0
14/10/2022 22:30					0
14/10/2022 22:40					0
14/10/2022 22:50	1.6	255	10	2.2	0
14/10/2022 23:00	1.8	252	12	2.6	0
14/10/2022 23:10	1.8	247	16	2.8	0
14/10/2022 23:20	1.7	249	17	2.7	0
14/10/2022 23:30	2	246	15	3.1	0
14/10/2022 23:40	2.6	235	18	4	0
14/10/2022 23:50	2.5	248	16	3.6	0
15/10/2022 00:00	2.3	248	18	3.6	0
15/10/2022 00:10	2.6	243	17	3.8	0
15/10/2022 00:20	2.3	245	17	3.2	0
15/10/2022 00:30	2.7	243	16	4	0
15/10/2022 00:40	2.6	246	14	3.6	0
15/10/2022 00:50	2.5	248	15	3.6	0
15/10/2022 01:00	2.5	247	15	3.8	0
15/10/2022 01:10	2.5	250	15	3.6	0
15/10/2022 01:20	2.6	247	18	3.7	0
15/10/2022 01:30	2.8	244	16	4	0
15/10/2022 01:40	2.7	248	13	3.9	0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/10/2022 01:50	2.3	251	17	3.6	0
15/10/2022 02:00	2.3	254	15	3.4	0
15/10/2022 02:10	2.2	260	14	2.9	0
15/10/2022 02:20	1.9	260	13	2.7	0
15/10/2022 02:30	0.8	263	10	2.3	0
15/10/2022 02:40	1.9	261	15	2.7	0
15/10/2022 02:50	2	253	13	2.9	0
15/10/2022 03:00	2.3	248	15	3.6	0
15/10/2022 03:10	2.5	244	17	3.4	0
15/10/2022 03:20	2.4	242	19	3.9	0
15/10/2022 03:30	2.3	245	16	4.4	0
15/10/2022 03:40					0
15/10/2022 03:50					0
15/10/2022 04:00					0
15/10/2022 04:10					0
15/10/2022 04:20					0
15/10/2022 04:30					0
15/10/2022 04:40					0
15/10/2022 04:50					0
15/10/2022 05:00					0
15/10/2022 05:10					0
15/10/2022 05:20					0
15/10/2022 05:30					0
15/10/2022 05:40					0
15/10/2022 05:50					0
15/10/2022 06:00					0
15/10/2022 06:10					0
15/10/2022 06:20					0
15/10/2022 06:30					0
15/10/2022 06:40					0
15/10/2022 06:50					0
15/10/2022 07:00					0
15/10/2022 07:10					0
15/10/2022 07:20					0
15/10/2022 07:30					0
15/10/2022 07:40					0
15/10/2022 07:50					0
15/10/2022 08:00					0
15/10/2022 08:10					0
15/10/2022 08:20					0
15/10/2022 08:30					0
15/10/2022 08:40					0
15/10/2022 08:50					0
15/10/2022 09:00					0
15/10/2022 09:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/10/2022 09:20					0
15/10/2022 09:30					0
15/10/2022 09:40					0
15/10/2022 09:50					0
15/10/2022 10:00					0
15/10/2022 10:10					0
15/10/2022 10:20					0
15/10/2022 10:30					0
15/10/2022 10:40					0
15/10/2022 10:50					0
15/10/2022 11:00					0
15/10/2022 11:10					0
15/10/2022 11:20					0
15/10/2022 11:30					0
15/10/2022 11:40					0
15/10/2022 11:50					0
15/10/2022 12:00					0
15/10/2022 12:10					0
15/10/2022 12:20					0
15/10/2022 12:30					0
15/10/2022 12:40					0
15/10/2022 12:50					0
15/10/2022 13:00					0
15/10/2022 13:10					0
15/10/2022 13:20					0
15/10/2022 13:30					0
15/10/2022 13:40					0
15/10/2022 13:50					0
15/10/2022 14:00					0
15/10/2022 14:10					0
15/10/2022 14:20					0
15/10/2022 14:30					0
15/10/2022 14:40					0
15/10/2022 14:50					0
15/10/2022 15:00					0
15/10/2022 15:10					0
15/10/2022 15:20					0
15/10/2022 15:30					0
15/10/2022 15:40					0
15/10/2022 15:50					0
15/10/2022 16:00					0
15/10/2022 16:10					0
15/10/2022 16:20					0
15/10/2022 16:30					0
15/10/2022 16:40					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/10/2022 16:50					0
15/10/2022 17:00					0
15/10/2022 17:10					0
15/10/2022 17:20					0
15/10/2022 17:30	3.5	331	25	5.4	0
15/10/2022 17:40	3.6	346	22	6	0
15/10/2022 17:50	3.8	327	19	5.6	0
15/10/2022 18:00	2.8	322	26	5	0
15/10/2022 18:10	2.9	325	30	4.9	0
15/10/2022 18:20	3.1	319	20	5.1	0
15/10/2022 18:30	2.5	335	24	4.4	0
15/10/2022 18:40	2.4	330	31	4.7	0
15/10/2022 18:50	2.6	333	30	4.8	0
15/10/2022 19:00	2.2	327	35	3.8	0
15/10/2022 19:10	2.5	328	29	4.4	0
15/10/2022 19:20	1.9	318	44	3.4	0
15/10/2022 19:30	1.7	227	35	3.6	0
15/10/2022 19:40	1.8	244	16	2.8	0
15/10/2022 19:50	2.6	243	13	3.8	0
15/10/2022 20:00	3.4	247	13	5.2	0
15/10/2022 20:10	3.5	250	13	4.8	0
15/10/2022 20:20	3.5	250	13	4.8	0
15/10/2022 20:30	3.2	252	12	4.4	0
15/10/2022 20:40	3.4	250	13	4.6	0
15/10/2022 20:50	2.5	248	15	3.6	0
15/10/2022 21:00	2.7	251	11	4.3	0
15/10/2022 21:10	2.3	248	16	3.6	0
15/10/2022 21:20	2.8	248	12	4	0
15/10/2022 21:30	2.6	251	13	3.6	0
15/10/2022 21:40	2.2	249	15	3.5	0
15/10/2022 21:50	2.2	247	18	3.1	0
15/10/2022 22:00	2.3	253	16	3.6	0
15/10/2022 22:10	2.7	244	15	4.1	0
15/10/2022 22:20	3	247	17	4.4	0
15/10/2022 22:30	3	248	16	4.2	0
15/10/2022 22:40	3	245	14	4.4	0
15/10/2022 22:50	3	244	16	4.4	0
15/10/2022 23:00	2.9	236	15	4.4	0
15/10/2022 23:10	3.4	233	14	4.8	0
15/10/2022 23:20	3.1	238	15	4.3	0
15/10/2022 23:30	3	241	16	4.8	0
15/10/2022 23:40	2.9	245	16	4.5	0
15/10/2022 23:50	3.2	243	17	5	0
16/10/2022 00:00	3.3	243	16	4.9	0
16/10/2022 00:10	2.6	248	16	4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/10/2022 00:20	3	244	19	4.6	0
16/10/2022 00:30	3	241	16	4.4	0
16/10/2022 00:40	2.9	244	18	4.8	0
16/10/2022 00:50	3	238	17	4.3	0
16/10/2022 01:00	2.9	241	15	4.2	0
16/10/2022 01:10	2.2	245	16	3.3	0
16/10/2022 01:20	2.3	244	17	3.7	0
16/10/2022 01:30	2.7	237	18	4	0
16/10/2022 01:40	2.7	240	19	4	0
16/10/2022 01:50	2.4	241	17	3.5	0
16/10/2022 02:00	2.3	244	16	3.6	0
16/10/2022 02:10	2.4	250	20	3.6	0
16/10/2022 02:20	2.5	252	17	4.1	0
16/10/2022 02:30	2.8	244	16	4	0
16/10/2022 02:40	2.4	250	18	3.7	0
16/10/2022 02:50	2.8	246	19	4.2	0
16/10/2022 03:00	2.6	237	15	3.8	0
16/10/2022 03:10	2.6	234	15	3.7	0
16/10/2022 03:20	2.4	242	17	3.9	0
16/10/2022 03:30	3.1	241	17	4.5	0
16/10/2022 03:40	3.3	232	17	5.6	0
16/10/2022 03:50	3.4	234	16	4.8	0
16/10/2022 04:00	2.7	238	17	4.2	0
16/10/2022 04:10	2.8	238	14	3.8	0
16/10/2022 04:20	2.5	247	13	3.6	0
16/10/2022 04:30	2.3	255	14	3.3	0
16/10/2022 04:40	2.4	259	14	3.5	0
16/10/2022 04:50	2.4	261	12	3.2	0
16/10/2022 05:00	2.5	263	14	3.4	0
16/10/2022 05:10	2.2	264	12	2.8	0
16/10/2022 05:20	2.2	260	14	2.9	0
16/10/2022 05:30	2.3	256	14	3.2	0
16/10/2022 05:40	2.5	255	14	3.4	0
16/10/2022 05:50	2.3	256	12	3.2	0
16/10/2022 06:00	1.9	261	12	3.7	0
16/10/2022 06:10					0
16/10/2022 06:20					0
16/10/2022 06:30					0
16/10/2022 06:40					0
16/10/2022 06:50					0
16/10/2022 07:00					0
16/10/2022 07:10					0
16/10/2022 07:20					0
16/10/2022 07:30					0
16/10/2022 07:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/10/2022 07:50					0
16/10/2022 08:00					0
16/10/2022 08:10					0
16/10/2022 08:20					0
16/10/2022 08:30					0
16/10/2022 08:40					0
16/10/2022 08:50					0
16/10/2022 09:00					0
16/10/2022 09:10					0
16/10/2022 09:20					0
16/10/2022 09:30					0
16/10/2022 09:40					0
16/10/2022 09:50					0
16/10/2022 10:00					0
16/10/2022 10:10					0
16/10/2022 10:20					0
16/10/2022 10:30					0
16/10/2022 10:40					0
16/10/2022 10:50					0
16/10/2022 11:00					0
16/10/2022 11:10					0
16/10/2022 11:20					0
16/10/2022 11:30					0
16/10/2022 11:40					0
16/10/2022 11:50					0
16/10/2022 12:00					0
16/10/2022 12:10					0
16/10/2022 12:20					0
16/10/2022 12:30					0
16/10/2022 12:40					0
16/10/2022 12:50					0
16/10/2022 13:00					0
16/10/2022 13:10					0
16/10/2022 13:20					0
16/10/2022 13:30					0
16/10/2022 13:40					0
16/10/2022 13:50					0
16/10/2022 14:00					0
16/10/2022 14:10					0
16/10/2022 14:20					0
16/10/2022 14:30					0
16/10/2022 14:40					0
16/10/2022 14:50					0
16/10/2022 15:00					0
16/10/2022 15:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/10/2022 15:20					0
16/10/2022 15:30					0
16/10/2022 15:40					0
16/10/2022 15:50					0
16/10/2022 16:00					0
16/10/2022 16:10					0
16/10/2022 16:20					0
16/10/2022 16:30					0
16/10/2022 16:40					0
16/10/2022 16:50					0
16/10/2022 17:00					0
16/10/2022 17:10					0
16/10/2022 17:20					0
16/10/2022 17:30					0
16/10/2022 17:40					0
16/10/2022 17:50	4.2	252	14	7.3	0
16/10/2022 18:00					0
16/10/2022 18:10					0
16/10/2022 18:20					0
16/10/2022 18:30					0
16/10/2022 18:40					0
16/10/2022 18:50					0
16/10/2022 19:00					0
16/10/2022 19:10					0
16/10/2022 19:20					0
16/10/2022 19:30					0
16/10/2022 19:40					0
16/10/2022 19:50					0
16/10/2022 20:00					0
16/10/2022 20:10					0
16/10/2022 20:20					0
16/10/2022 20:30					0
16/10/2022 20:40					0
16/10/2022 20:50	2	244	12	7.9	0
16/10/2022 21:00	4	252	17	6.8	0
16/10/2022 21:10	3.7	246	14	6.8	0
16/10/2022 21:20	4.2	242	19	6.6	0
16/10/2022 21:30	4.8	239	19	7.5	0
16/10/2022 21:40	4.6	248	18	6.8	0
16/10/2022 21:50	4.2	249	19	6.4	0
16/10/2022 22:00	4.3	247	18	7.2	0
16/10/2022 22:10	4.2	246	16	6.2	0
16/10/2022 22:20	4.2	242	18	6.1	0
16/10/2022 22:30	4.1	243	16	6	0
16/10/2022 22:40	3.4	247	20	5.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/10/2022 22:50	3.9	240	21	5.3	0
16/10/2022 23:00	3.7	236	19	5.6	0
16/10/2022 23:10	3.8	240	18	5.7	0
16/10/2022 23:20	4.3	244	19	6.4	0
16/10/2022 23:30	3.8	246	17	5.7	0
16/10/2022 23:40	3.9	235	19	6.2	0
16/10/2022 23:50	4.4	245	16	6.6	0
17/10/2022 00:00	4.3	238	15	5.9	0
17/10/2022 00:10	3.8	241	16	5.6	0
17/10/2022 00:20	4	239	18	6.4	0
17/10/2022 00:30	4.1	240	18	6.3	0
17/10/2022 00:40	3.9	241	16	5.5	0
17/10/2022 00:50	3.7	239	17	5.6	0
17/10/2022 01:00	3.5	241	20	5	0
17/10/2022 01:10	3.6	247	19	5.6	0
17/10/2022 01:20	3.7	243	17	5.8	0
17/10/2022 01:30	3.6	244	18	5	0
17/10/2022 01:40	3.3	244	19	5	0
17/10/2022 01:50	3.8	242	17	5.6	0
17/10/2022 02:00	4	242	17	6.5	0
17/10/2022 02:10	3.4	249	17	5.8	0
17/10/2022 02:20	3.2	246	17	4.8	0
17/10/2022 02:30	3.3	251	16	5.1	0
17/10/2022 02:40	4.2	255	13	5.9	0
17/10/2022 02:50	4	255	14	5.2	0
17/10/2022 03:00	3.6	257	14	5	0
17/10/2022 03:10	3.7	256	12	5.2	0
17/10/2022 03:20	3.8	256	13	5.3	0
17/10/2022 03:30	3.4	257	12	5.1	0
17/10/2022 03:40	3	263	17	4.2	0
17/10/2022 03:50	3.2	268	15	4.6	0
17/10/2022 04:00	3.3	262	16	4.6	0
17/10/2022 04:10	2.9	260	16	4	0
17/10/2022 04:20	3.1	263	13	4.3	0
17/10/2022 04:30	3.1	266	18	4.4	0
17/10/2022 04:40	3	267	16	4.5	0
17/10/2022 04:50	3.3	262	17	5.2	0
17/10/2022 05:00	2.7	245	20	4.4	0
17/10/2022 05:10	3.3	235	19	4.9	0
17/10/2022 05:20	3.4	226	18	5.3	0
17/10/2022 05:30	3.5	219	15	5.9	0
17/10/2022 05:40	4	210	18	5.7	0
17/10/2022 05:50	4.1	205	17	6.4	0
17/10/2022 06:00	3.8	200	19	5.4	0
17/10/2022 06:10	3.8	191	18	5.6	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/10/2022 06:20					0
17/10/2022 06:30					0
17/10/2022 06:40					0
17/10/2022 06:50					0
17/10/2022 07:00					0
17/10/2022 07:10					0
17/10/2022 07:20					0
17/10/2022 07:30					0
17/10/2022 07:40					0
17/10/2022 07:50					0
17/10/2022 08:00					0
17/10/2022 08:10					0
17/10/2022 08:20					0
17/10/2022 08:30					0
17/10/2022 08:40					0
17/10/2022 08:50					0
17/10/2022 09:00					0
17/10/2022 09:10					0
17/10/2022 09:20					0
17/10/2022 09:30					0
17/10/2022 09:40					0
17/10/2022 09:50					0
17/10/2022 10:00					0
17/10/2022 10:10					0
17/10/2022 10:20					0
17/10/2022 10:30					0
17/10/2022 10:40					0
17/10/2022 10:50					0
17/10/2022 11:00					0
17/10/2022 11:10					0
17/10/2022 11:20					0
17/10/2022 11:30					0
17/10/2022 11:40					0
17/10/2022 11:50					0
17/10/2022 12:00					0
17/10/2022 12:10					0
17/10/2022 12:20					0
17/10/2022 12:30					0
17/10/2022 12:40					0
17/10/2022 12:50					0
17/10/2022 13:00					0
17/10/2022 13:10					0
17/10/2022 13:20					0
17/10/2022 13:30					0
17/10/2022 13:40					0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/10/2022 13:50					0
17/10/2022 14:00					0
17/10/2022 14:10					0
17/10/2022 14:20					0
17/10/2022 14:30					0
17/10/2022 14:40					0
17/10/2022 14:50					0
17/10/2022 15:00					0
17/10/2022 15:10					0
17/10/2022 15:20					0
17/10/2022 15:30					0
17/10/2022 15:40					0
17/10/2022 15:50					0
17/10/2022 16:00					0
17/10/2022 16:10					0
17/10/2022 16:20					0
17/10/2022 16:30					0
17/10/2022 16:40					0
17/10/2022 16:50					0
17/10/2022 17:00					0
17/10/2022 17:10					0
17/10/2022 17:20					0
17/10/2022 17:30					0
17/10/2022 17:40					0
17/10/2022 17:50	2.5	252	19	3.6	0
17/10/2022 18:00	2.4	260	23	4.1	0
17/10/2022 18:10	2.4	259	22	3.6	0
17/10/2022 18:20	2.1	258	23	3.2	0
17/10/2022 18:30	2	266	27	3.3	0
17/10/2022 18:40	2.3	255	15	3.3	0
17/10/2022 18:50	2.7	255	16	3.6	0
17/10/2022 19:00	2.7	256	16	4.1	0
17/10/2022 19:10	2.8	260	18	4.4	0
17/10/2022 19:20	2.9	261	16	4.5	0
17/10/2022 19:30	4.3	254	13	6	0
17/10/2022 19:40	4.9	251	13	6.4	0
17/10/2022 19:50	3.8	253	16	5.6	0
17/10/2022 20:00	3.3	261	17	4.8	0
17/10/2022 20:10	3.3	257	17	4.7	0
17/10/2022 20:20	2.8	256	15	4	0
17/10/2022 20:30	3.1	255	18	4.6	0
17/10/2022 20:40	2.9	256	16	4.1	0
17/10/2022 20:50	2.7	253	18	3.8	0
17/10/2022 21:00	2.4	254	18	3.5	0
17/10/2022 21:10	1.5	259	29	2.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/10/2022 21:20	1.5	261	27	2.3	0
17/10/2022 21:30	1.5	283	19	3	0
17/10/2022 21:40					0
17/10/2022 21:50					0
17/10/2022 22:00					0
17/10/2022 22:10					0
17/10/2022 22:20					0
17/10/2022 22:30					0
17/10/2022 22:40	1.1	244	18	2.8	0
17/10/2022 22:50	1.1	215	44	1.9	0
17/10/2022 23:00	1.6	202	17	2.8	0
17/10/2022 23:10	1.8	189	22	3.2	0
17/10/2022 23:20	1.6	181	27	2.8	0
17/10/2022 23:30	1.2	166	29	2.3	0
17/10/2022 23:40	1.6	160	23	2.8	0
17/10/2022 23:50					0
18/10/2022 00:00					0
18/10/2022 00:10	1.2	145	27	2.4	0
18/10/2022 00:20	1.3	143	30	2.8	0
18/10/2022 00:30	1.4	140	29	2.4	0
18/10/2022 00:40	1.3	131	27	2.8	0
18/10/2022 00:50	0.8	92	25	1.2	0
18/10/2022 01:00	0.6	82	20	0.9	0
18/10/2022 01:10	0.5	72	35	0.9	0
18/10/2022 01:20	0.9	78	31	1.7	0
18/10/2022 01:30	0.9	94	29	1.8	0
18/10/2022 01:40	0.9	95	25	1.6	0
18/10/2022 01:50	0.9	97	27	1.6	0
18/10/2022 02:00	0.8	80	23	1.2	0
18/10/2022 02:10	0.5	61	34	0.9	0
18/10/2022 02:20	0.6	68	34	1	0
18/10/2022 02:30	0.4	53	36	0.7	0
18/10/2022 02:40	0.7	69	21	1.2	0
18/10/2022 02:50	0.8	77	20	1.3	0
18/10/2022 03:00	0.7	72	25	1.2	0
18/10/2022 03:10	0.9	79	24	1.5	0
18/10/2022 03:20	0.3	61	20	0.8	0
18/10/2022 03:30	0.4	70	19	0.8	0
18/10/2022 03:40	0.8	77	19	1.2	0
18/10/2022 03:50	0.5	58	43	0.9	0
18/10/2022 04:00	0.4	50	31	0.8	0
18/10/2022 04:10	0.8	71	15	1.2	0
18/10/2022 04:20	0.7	59	20	1	0
18/10/2022 04:30	0.8	68	17	1.1	0
18/10/2022 04:40	1.1	85	16	2	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/10/2022 04:50					0
18/10/2022 05:00					0
18/10/2022 05:10					0
18/10/2022 05:20					0
18/10/2022 05:30					0
18/10/2022 05:40					0
18/10/2022 05:50					0
18/10/2022 06:00					0
18/10/2022 06:10					0
18/10/2022 06:20					0
18/10/2022 06:30					0
18/10/2022 06:40					0
18/10/2022 06:50					0
18/10/2022 07:00					0
18/10/2022 07:10					0
18/10/2022 07:20					0
18/10/2022 07:30					0
18/10/2022 07:40					0
18/10/2022 07:50					0
18/10/2022 08:00					0
18/10/2022 08:10					0
18/10/2022 08:20					0
18/10/2022 08:30					0
18/10/2022 08:40					0
18/10/2022 08:50					0
18/10/2022 09:00					0
18/10/2022 09:10					0
18/10/2022 09:20					0
18/10/2022 09:30					0
18/10/2022 09:40					0
18/10/2022 09:50					0
18/10/2022 10:00					0
18/10/2022 10:10					0
18/10/2022 10:20					0
18/10/2022 10:30					0
18/10/2022 10:40					0
18/10/2022 10:50					0
18/10/2022 11:00					0
18/10/2022 11:10					0
18/10/2022 11:20					0
18/10/2022 11:30					0
18/10/2022 11:40					0
18/10/2022 11:50					0
18/10/2022 12:00					0
18/10/2022 12:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/10/2022 12:20					0
18/10/2022 12:30					0
18/10/2022 12:40					0
18/10/2022 12:50					0
18/10/2022 13:00					0
18/10/2022 13:10					0
18/10/2022 13:20					0
18/10/2022 13:30					0
18/10/2022 13:40					0
18/10/2022 13:50					0
18/10/2022 14:00					0
18/10/2022 14:10					0
18/10/2022 14:20					0
18/10/2022 14:30					0
18/10/2022 14:40					0
18/10/2022 14:50					0
18/10/2022 15:00					0
18/10/2022 15:10					0
18/10/2022 15:20					0
18/10/2022 15:30					0
18/10/2022 15:40					0
18/10/2022 15:50					0
18/10/2022 16:00					0
18/10/2022 16:10					0
18/10/2022 16:20					0
18/10/2022 16:30					0
18/10/2022 16:40					0
18/10/2022 16:50					0
18/10/2022 17:00					0
18/10/2022 17:10					0
18/10/2022 17:20					0
18/10/2022 17:30					0
18/10/2022 17:40					0
18/10/2022 17:50					0
18/10/2022 18:00					0
18/10/2022 18:10					0
18/10/2022 18:20					0
18/10/2022 18:30					0
18/10/2022 18:40					0
18/10/2022 18:50					0
18/10/2022 19:00					0
18/10/2022 19:10					0
18/10/2022 19:20					0
18/10/2022 19:30					0
18/10/2022 19:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/10/2022 19:50					0
18/10/2022 20:00					0
18/10/2022 20:10					0
18/10/2022 20:20					0
18/10/2022 20:30					0
18/10/2022 20:40					0
18/10/2022 20:50					0
18/10/2022 21:00					0
18/10/2022 21:10					0
18/10/2022 21:20					0
18/10/2022 21:30					0
18/10/2022 21:40					0
18/10/2022 21:50					0
18/10/2022 22:00					0
18/10/2022 22:10					0
18/10/2022 22:20					0
18/10/2022 22:30					0
18/10/2022 22:40					0
18/10/2022 22:50					0
18/10/2022 23:00					0
18/10/2022 23:10					0
18/10/2022 23:20	0.1	167	5	0.5	0
18/10/2022 23:30	0.3	110	17	0.8	0
18/10/2022 23:40	0.2	238	17	0.8	0
18/10/2022 23:50					0
19/10/2022 00:00	0.6	317	10	1.2	0
19/10/2022 00:10					0
19/10/2022 00:20	0.1	181	5	0.4	0
19/10/2022 00:30	0.3	344	15	1	0
19/10/2022 00:40	0.5	335	12	0.9	0
19/10/2022 00:50	0.1	239	11	0.8	0
19/10/2022 01:00	0.1	333	5	0.4	0
19/10/2022 01:10	0.3	344	8	0.6	0
19/10/2022 01:20	0.3	285	27	0.7	0
19/10/2022 01:30	0.8	237	7	1.4	0
19/10/2022 01:40					0
19/10/2022 01:50	0.1	145	16	0.6	0
19/10/2022 02:00	0.1	172	9	0.7	0
19/10/2022 02:10	0.2	201	23	0.7	0
19/10/2022 02:20	1	259	14	1.6	0
19/10/2022 02:30	1.2	244	10	1.7	0
19/10/2022 02:40	0.7	231	10	1.5	0
19/10/2022 02:50	0.3	233	23	0.8	0
19/10/2022 03:00	0.3	260	45	0.9	0
19/10/2022 03:10	0.1	237	7	0.5	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/10/2022 03:20	0.4	255	18	1.2	0
19/10/2022 03:30	0.6	245	15	1.2	0
19/10/2022 03:40	1.3	244	8	1.6	0
19/10/2022 03:50	1.2	247	12	1.5	0
19/10/2022 04:00	1.2	239	11	1.7	0
19/10/2022 04:10	0.3	179	48	0.9	0
19/10/2022 04:20	0.4	224	9	0.8	0
19/10/2022 04:30	0.5	255	16	0.8	0
19/10/2022 04:40	0.5	256	12	0.9	0
19/10/2022 04:50	0.7	258	19	1.2	0
19/10/2022 05:00	0.2	101	26	0.6	0
19/10/2022 05:10	0.1	86	8	0.4	0
19/10/2022 05:20	0.1	148	16	0.5	0
19/10/2022 05:30	0.3	288	21	0.9	0
19/10/2022 05:40	0.3	284	14	1.1	0
19/10/2022 05:50	0.3	279	25	0.6	0
19/10/2022 06:00	0	175	0	0.4	0
19/10/2022 06:10					0
19/10/2022 06:20					0
19/10/2022 06:30					0
19/10/2022 06:40					0
19/10/2022 06:50					0
19/10/2022 07:00					0
19/10/2022 07:10					0
19/10/2022 07:20					0
19/10/2022 07:30					0
19/10/2022 07:40					0
19/10/2022 07:50					0
19/10/2022 08:00					0
19/10/2022 08:10					0
19/10/2022 08:20					0
19/10/2022 08:30					0
19/10/2022 08:40					0
19/10/2022 08:50					0
19/10/2022 09:00					0
19/10/2022 09:10					0
19/10/2022 09:20					0
19/10/2022 09:30					0
19/10/2022 09:40					0
19/10/2022 09:50					0
19/10/2022 10:00					0
19/10/2022 10:10					0
19/10/2022 10:20					0
19/10/2022 10:30					0
19/10/2022 10:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/10/2022 10:50					0
19/10/2022 11:00					0
19/10/2022 11:10					0
19/10/2022 11:20					0
19/10/2022 11:30					0
19/10/2022 11:40					0
19/10/2022 11:50					0
19/10/2022 12:00					0
19/10/2022 12:10					0
19/10/2022 12:20					0
19/10/2022 12:30					0
19/10/2022 12:40					0
19/10/2022 12:50					0
19/10/2022 13:00					0
19/10/2022 13:10					0
19/10/2022 13:20					0
19/10/2022 13:30					0
19/10/2022 13:40					0
19/10/2022 13:50					0
19/10/2022 14:00					0
19/10/2022 14:10					0
19/10/2022 14:20					0
19/10/2022 14:30					0
19/10/2022 14:40					0
19/10/2022 14:50					0
19/10/2022 15:00					0
19/10/2022 15:10					0
19/10/2022 15:20					0
19/10/2022 15:30					0
19/10/2022 15:40					0
19/10/2022 15:50					0
19/10/2022 16:00					0
19/10/2022 16:10					0
19/10/2022 16:20					0
19/10/2022 16:30					0
19/10/2022 16:40					0
19/10/2022 16:50					0
19/10/2022 17:00					0
19/10/2022 17:10					0
19/10/2022 17:20					0
19/10/2022 17:30					0
19/10/2022 17:40					0
19/10/2022 17:50					0
19/10/2022 18:00					0
19/10/2022 18:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/10/2022 18:20					0
19/10/2022 18:30					0
19/10/2022 18:40	1.1	335	24	2.2	0
19/10/2022 18:50	1.3	326	20	2.4	0
19/10/2022 19:00	1.4	344	34	2.4	0
19/10/2022 19:10	1.4	334	24	2.4	0
19/10/2022 19:20	1	338	39	1.6	0
19/10/2022 19:30	1	309	52	2.4	0
19/10/2022 19:40	0.9	302	52	1.6	0
19/10/2022 19:50	1.1	284	27	2	0
19/10/2022 20:00	1.4	312	41	2.3	0
19/10/2022 20:10	1.1	276	33	1.8	0
19/10/2022 20:20	1.2	263	36	2.3	0
19/10/2022 20:30	1.3	281	38	2.3	0
19/10/2022 20:40	1.7	250	11	2.5	0
19/10/2022 20:50	2	252	14	2.8	0
19/10/2022 21:00	2.3	251	11	3.2	0
19/10/2022 21:10	1.9	253	11	2.6	0
19/10/2022 21:20	1.1	231	13	1.6	0
19/10/2022 21:30					0
19/10/2022 21:40					0
19/10/2022 21:50					0
19/10/2022 22:00					0
19/10/2022 22:10					0
19/10/2022 22:20					0
19/10/2022 22:30					0
19/10/2022 22:40					0
19/10/2022 22:50	1.9	227	19	2.5	0
19/10/2022 23:00	1.9	239	16	2.8	0
19/10/2022 23:10	1.9	250	14	2.7	0
19/10/2022 23:20	1.8	253	13	2.5	0
19/10/2022 23:30	1.1	230	22	2	0
19/10/2022 23:40	1.7	233	18	3	0
19/10/2022 23:50	2	247	13	3.2	0
20/10/2022 00:00	2	245	16	2.9	0
20/10/2022 00:10	2.3	252	15	3.2	0
20/10/2022 00:20	1.2	246	10	3.2	0
20/10/2022 00:30	2.1	243	13	3.4	0
20/10/2022 00:40	2.1	242	14	3	0
20/10/2022 00:50	2.2	239	16	3.2	0
20/10/2022 01:00	2.5	234	17	3.9	0
20/10/2022 01:10	2.2	235	16	3.3	0
20/10/2022 01:20	2.4	234	17	3.6	0
20/10/2022 01:30	2.2	228	16	3.2	0
20/10/2022 01:40	1.8	232	18	2.8	0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/10/2022 01:50	2.5	235	16	3.7	0
20/10/2022 02:00	2.2	244	17	3.6	0
20/10/2022 02:10	2.4	237	16	4	0
20/10/2022 02:20	2.6	231	19	3.9	0
20/10/2022 02:30	2.9	234	16	4.3	0
20/10/2022 02:40	2.9	230	14	4	0
20/10/2022 02:50	2.7	237	18	4.5	0
20/10/2022 03:00	3.1	239	15	4.4	0
20/10/2022 03:10	2.9	237	16	4	0
20/10/2022 03:20	2.6	236	16	4.3	0
20/10/2022 03:30	2.9	236	17	4.5	0
20/10/2022 03:40	2.9	234	15	4.3	0
20/10/2022 03:50	2.7	238	17	4	0
20/10/2022 04:00	2.4	237	19	3.6	0
20/10/2022 04:10	2.8	237	15	4	0
20/10/2022 04:20	2.8	240	16	4	0
20/10/2022 04:30	2.6	239	17	4.1	0
20/10/2022 04:40	2.5	238	18	3.9	0
20/10/2022 04:50	2.6	233	24	4.1	0
20/10/2022 05:00	2.4	228	17	3.7	0
20/10/2022 05:10	2.3	220	18	3.3	0
20/10/2022 05:20	2.3	228	18	3.6	0
20/10/2022 05:30	2.3	235	18	4	0
20/10/2022 05:40	2	242	16	3.1	0
20/10/2022 05:50	2.1	238	17	3	0
20/10/2022 06:00	2.1	238	18	3.1	0
20/10/2022 06:10	2.2	243	16	3.6	0
20/10/2022 06:20	2.3	229	18	3.2	0
20/10/2022 06:30	2.2	214	15	3.2	0
20/10/2022 06:40	2.5	206	17	3.6	0
20/10/2022 06:50	2.5	205	15	3.5	0
20/10/2022 07:00	2.1	184	20	3.2	0
20/10/2022 07:10	2	167	20	3	0
20/10/2022 07:20	2.1	193	22	3.5	0
20/10/2022 07:30					0
20/10/2022 07:40					0
20/10/2022 07:50					0
20/10/2022 08:00					0
20/10/2022 08:10					0
20/10/2022 08:20					0
20/10/2022 08:30					0
20/10/2022 08:40					0
20/10/2022 08:50					0
20/10/2022 09:00					0
20/10/2022 09:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/10/2022 09:20					0
20/10/2022 09:30					0
20/10/2022 09:40					0
20/10/2022 09:50					0
20/10/2022 10:00					0
20/10/2022 10:10					0
20/10/2022 10:20					0
20/10/2022 10:30					0
20/10/2022 10:40					0
20/10/2022 10:50					0
20/10/2022 11:00					0
20/10/2022 11:10					0
20/10/2022 11:20					0
20/10/2022 11:30					0
20/10/2022 11:40					0
20/10/2022 11:50					0
20/10/2022 12:00					0
20/10/2022 12:10					0
20/10/2022 12:20					0
20/10/2022 12:30					0
20/10/2022 12:40					0
20/10/2022 12:50					0
20/10/2022 13:00					0
20/10/2022 13:10					0
20/10/2022 13:20					0
20/10/2022 13:30					0
20/10/2022 13:40					0
20/10/2022 13:50					0
20/10/2022 14:00					0
20/10/2022 14:10					0
20/10/2022 14:20					0
20/10/2022 14:30					0
20/10/2022 14:40					0
20/10/2022 14:50					0
20/10/2022 15:00					0
20/10/2022 15:10					0
20/10/2022 15:20					0
20/10/2022 15:30					0
20/10/2022 15:40					0
20/10/2022 15:50					0
20/10/2022 16:00					0
20/10/2022 16:10					0
20/10/2022 16:20					0
20/10/2022 16:30					0
20/10/2022 16:40					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/10/2022 16:50					0
20/10/2022 17:00					0
20/10/2022 17:10	4.1	240	16	5.5	0
20/10/2022 17:20	4.4	244	16	6.4	0
20/10/2022 17:30	4.3	247	16	6.3	0
20/10/2022 17:40	3.9	246	16	5.2	0
20/10/2022 17:50	4.2	245	15	6.2	0
20/10/2022 18:00	3.9	249	16	5.6	0
20/10/2022 18:10	4	253	14	5.6	0
20/10/2022 18:20	3.3	251	17	4.9	0
20/10/2022 18:30	2.8	254	18	4.5	0
20/10/2022 18:40	2.9	250	20	4.6	0
20/10/2022 18:50	3.3	246	17	5	0
20/10/2022 19:00	3.2	246	15	4.6	0
20/10/2022 19:10	2.8	250	16	4.1	0
20/10/2022 19:20	3.2	247	15	4.4	0
20/10/2022 19:30	3.2	249	13	4.8	0
20/10/2022 19:40	2.7	247	17	4.5	0
20/10/2022 19:50	3.1	249	12	4.4	0
20/10/2022 20:00	2.9	246	16	4.1	0
20/10/2022 20:10	3.8	248	17	5.1	0
20/10/2022 20:20	3.5	243	15	5.2	0
20/10/2022 20:30	3.5	245	19	5.7	0
20/10/2022 20:40	3.7	247	15	5.5	0
20/10/2022 20:50	3.8	247	15	5.4	0
20/10/2022 21:00	3.7	249	16	5.2	0
20/10/2022 21:10	4	249	14	5.7	0
20/10/2022 21:20	3.8	253	16	5.6	0
20/10/2022 21:30	3.6	255	14	5.2	0
20/10/2022 21:40	3.6	254	16	5.6	0
20/10/2022 21:50	3.3	254	15	4.9	0
20/10/2022 22:00	3.6	256	15	5.4	0
20/10/2022 22:10	3.7	252	16	5.8	0
20/10/2022 22:20	4	249	14	5.6	0
20/10/2022 22:30	3.5	245	19	5	0
20/10/2022 22:40	3.6	248	21	5.8	0
20/10/2022 22:50	3	240	18	4.6	0
20/10/2022 23:00	3.3	242	19	5.4	0
20/10/2022 23:10	3.6	250	15	5.2	0
20/10/2022 23:20	3.6	253	15	5.4	0
20/10/2022 23:30	3.4	249	17	5.2	0
20/10/2022 23:40	3.2	245	16	4.3	0
20/10/2022 23:50	3	238	15	4.5	0
21/10/2022 00:00	3	241	17	4.6	0
21/10/2022 00:10	3.1	249	18	4.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/10/2022 00:20	2.8	238	23	4	0
21/10/2022 00:30	3.3	232	13	4.4	0
21/10/2022 00:40	3.2	237	17	4.2	0
21/10/2022 00:50	3.2	238	15	4.5	0
21/10/2022 01:00	3.6	239	15	5.4	0
21/10/2022 01:10	3.3	237	16	5.2	0
21/10/2022 01:20	3.1	241	15	4.8	0
21/10/2022 01:30	2.8	251	14	4.1	0
21/10/2022 01:40	2.7	251	16	4	0
21/10/2022 01:50	3.1	254	16	4.2	0
21/10/2022 02:00	3.1	256	16	4.5	0
21/10/2022 02:10	2.8	249	16	4.3	0
21/10/2022 02:20	2.5	248	15	3.8	0
21/10/2022 02:30	2.9	236	19	4.2	0
21/10/2022 02:40	3.2	238	18	4.7	0
21/10/2022 02:50	3.7	235	13	5.3	0
21/10/2022 03:00	3.5	236	18	5.4	0
21/10/2022 03:10	3.4	240	16	5.1	0
21/10/2022 03:20	3.4	239	17	5.5	0
21/10/2022 03:30	3.1	239	18	5	0
21/10/2022 03:40	3.3	238	15	4.7	0
21/10/2022 03:50	3.2	242	16	4.6	0
21/10/2022 04:00	3.5	239	15	4.9	0
21/10/2022 04:10	3.3	238	18	4.4	0
21/10/2022 04:20	3.2	241	17	4.7	0
21/10/2022 04:30	3.6	240	17	5.1	0
21/10/2022 04:40	3.2	238	18	4.8	0
21/10/2022 04:50	3.2	233	16	4.4	0
21/10/2022 05:00	3.2	239	15	4.7	0
21/10/2022 05:10	2.8	236	17	3.9	0
21/10/2022 05:20	2.6	236	18	3.8	0
21/10/2022 05:30	2.3	239	18	3.4	0
21/10/2022 05:40	2.3	241	18	3.2	0
21/10/2022 05:50	2.1	245	16	3.2	0
21/10/2022 06:00	2.1	254	15	2.9	0
21/10/2022 06:10	2.2	252	15	3.1	0
21/10/2022 06:20	2.4	241	17	3.7	0
21/10/2022 06:30	2.4	245	17	3.6	0
21/10/2022 06:40	2.7	243	18	4.4	0
21/10/2022 06:50	3.1	238	19	4.4	0
21/10/2022 07:00	2.5	249	15	4.3	0
21/10/2022 07:10	2.2	229	16	3.7	0
21/10/2022 07:20	3.6	225	20	6	0
21/10/2022 07:30	3.3	234	20	4.9	0
21/10/2022 07:40	3.6	235	19	5.2	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/10/2022 07:50	3.7	239	17	5.3	0
21/10/2022 08:00	3.9	215	14	5.5	0
21/10/2022 08:10	3.7	222	19	5.5	0
21/10/2022 08:20	3.9	227	19	5.6	0
21/10/2022 08:30					0
21/10/2022 08:40					0
21/10/2022 08:50					0
21/10/2022 09:00					0
21/10/2022 09:10					0
21/10/2022 09:20					0
21/10/2022 09:30					0
21/10/2022 09:40					0
21/10/2022 09:50					0
21/10/2022 10:00					0
21/10/2022 10:10					0
21/10/2022 10:20					0
21/10/2022 10:30					0
21/10/2022 10:40					0
21/10/2022 10:50					0
21/10/2022 11:00					0
21/10/2022 11:10					0
21/10/2022 11:20					0
21/10/2022 11:30					0
21/10/2022 11:40					0
21/10/2022 11:50					0
21/10/2022 12:00					0
21/10/2022 12:10					0
21/10/2022 12:20					0
21/10/2022 12:30					0
21/10/2022 12:40					0
21/10/2022 12:50					0
21/10/2022 13:00					0
21/10/2022 13:10					0
21/10/2022 13:20					0
21/10/2022 13:30					0
21/10/2022 13:40					0
21/10/2022 13:50					0
21/10/2022 14:00					0
21/10/2022 14:10					0
21/10/2022 14:20					0
21/10/2022 14:30					0
21/10/2022 14:40					0
21/10/2022 14:50					0
21/10/2022 15:00					0
21/10/2022 15:10					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/10/2022 15:20					0
21/10/2022 15:30					0
21/10/2022 15:40					0
21/10/2022 15:50					0
21/10/2022 16:00					0
21/10/2022 16:10	4.9	245	14	7.5	0
21/10/2022 16:20	5.1	245	17	7.1	0
21/10/2022 16:30	5.2	246	14	7.4	0
21/10/2022 16:40	4.6	249	16	6.7	0
21/10/2022 16:50	4.5	249	17	6.8	0
21/10/2022 17:00	4.6	255	23	7.3	0
21/10/2022 17:10	4.9	242	16	8.1	0
21/10/2022 17:20	4.7	245	15	6.4	0
21/10/2022 17:30	4.3	247	16	6	0
21/10/2022 17:40	4.9	242	16	6.5	0
21/10/2022 17:50	4.6	250	17	6.9	0
21/10/2022 18:00	4.6	252	18	6.7	0
21/10/2022 18:10	4.7	250	16	6.4	0
21/10/2022 18:20	4.5	251	17	6.4	0
21/10/2022 18:30	4.5	250	18	6.4	0
21/10/2022 18:40	4.9	249	14	6.9	0
21/10/2022 18:50	4.7	248	16	6.5	0
21/10/2022 19:00	4.6	251	15	6.3	0
21/10/2022 19:10	4.2	257	17	6.7	0
21/10/2022 19:20	4	256	16	6.2	0
21/10/2022 19:30	4.1	254	17	6.6	0
21/10/2022 19:40	3.9	255	17	6.2	0
21/10/2022 19:50	4.6	248	16	6.2	0
21/10/2022 20:00	4.3	249	17	5.9	0
21/10/2022 20:10	4.1	253	17	6.5	0
21/10/2022 20:20	3.8	250	16	5.8	0
21/10/2022 20:30	4	250	18	6.1	0
21/10/2022 20:40	3.9	255	17	6.3	0
21/10/2022 20:50	4.3	248	15	5.8	0
21/10/2022 21:00	4.3	252	14	6.2	0
21/10/2022 21:10	4.1	254	16	6	0
21/10/2022 21:20	4.3	252	18	6	0
21/10/2022 21:30	4.4	253	14	6.1	0
21/10/2022 21:40	4.2	256	16	6.4	0
21/10/2022 21:50	4.1	260	16	6.1	0
21/10/2022 22:00	3.7	254	15	5.4	0
21/10/2022 22:10	4.4	250	16	6.8	0
21/10/2022 22:20	4.3	254	17	6.6	0
21/10/2022 22:30	4.8	254	14	7.1	0
21/10/2022 22:40	4.7	250	15	6.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/10/2022 22:50	4.7	252	14	6.8	0
21/10/2022 23:00	4.5	253	15	6.6	0
21/10/2022 23:10	4.8	254	15	6.6	0
21/10/2022 23:20	4.6	252	17	6.9	0
21/10/2022 23:30	4.6	250	16	6.7	0
21/10/2022 23:40	5.2	254	15	7.2	0
21/10/2022 23:50	5	250	17	7	0
22/10/2022 00:00	5.2	252	15	7.2	0
22/10/2022 00:10	5.2	250	14	7.5	0
22/10/2022 00:20	4.6	251	17	6.9	0
22/10/2022 00:30	4.8	252	17	6.8	0
22/10/2022 00:40	4.9	252	17	6.9	0
22/10/2022 00:50	4.4	253	18	6.4	0
22/10/2022 01:00	4.5	250	18	6.9	0
22/10/2022 01:10	4.7	255	16	6.8	0
22/10/2022 01:20	5	252	16	7.4	0
22/10/2022 01:30	4.7	253	16	6.7	0
22/10/2022 01:40	4.8	252	14	7.2	0
22/10/2022 01:50	4.5	252	19	6.6	0
22/10/2022 02:00	4.6	251	15	7.9	0
22/10/2022 02:10	4.8	253	16	7.5	0
22/10/2022 02:20	4.8	256	17	6.9	0
22/10/2022 02:30	5.4	256	14	7.4	0
22/10/2022 02:40	4.3	254	16	6.4	0
22/10/2022 02:50	4.8	253	15	6.7	0
22/10/2022 03:00	4.2	255	15	6.8	0
22/10/2022 03:10	4.5	247	17	6.9	0
22/10/2022 03:20	4.4	248	18	6.8	0
22/10/2022 03:30	5	243	18	7.6	0
22/10/2022 03:40	5.3	251	19	7.6	0
22/10/2022 03:50	4.4	248	16	7	0
22/10/2022 04:00	4.6	243	15	6.8	0
22/10/2022 04:10	4.7	239	16	6.6	0
22/10/2022 04:20	4.6	238	20	7.2	0
22/10/2022 04:30	4.5	244	19	6.6	0
22/10/2022 04:40	4	243	17	6	0
22/10/2022 04:50	3.7	234	17	6	0
22/10/2022 05:00	3.9	238	19	5.6	0
22/10/2022 05:10	3.9	242	18	6	0
22/10/2022 05:20	3.7	239	20	6	0
22/10/2022 05:30	4	234	19	5.6	0
22/10/2022 05:40	3.9	236	20	5.5	0
22/10/2022 05:50	3.7	242	19	5.7	0
22/10/2022 06:00	3.3	247	18	4.9	0
22/10/2022 06:10	3.1	250	15	4.4	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/10/2022 06:20					0
22/10/2022 06:30					0
22/10/2022 06:40					0
22/10/2022 06:50					0
22/10/2022 07:00					0
22/10/2022 07:10					0
22/10/2022 07:20					0
22/10/2022 07:30					0
22/10/2022 07:40					0
22/10/2022 07:50					0
22/10/2022 08:00					0
22/10/2022 08:10					0
22/10/2022 08:20					0
22/10/2022 08:30					0
22/10/2022 08:40					0
22/10/2022 08:50					0
22/10/2022 09:00					0
22/10/2022 09:10					0
22/10/2022 09:20					0
22/10/2022 09:30					0
22/10/2022 09:40					0
22/10/2022 09:50					0
22/10/2022 10:00					0
22/10/2022 10:10					0
22/10/2022 10:20					0
22/10/2022 10:30					0
22/10/2022 10:40					0
22/10/2022 10:50					0
22/10/2022 11:00					0
22/10/2022 11:10					0
22/10/2022 11:20					0
22/10/2022 11:30					0
22/10/2022 11:40					0
22/10/2022 11:50					0
22/10/2022 12:00					0
22/10/2022 12:10					0
22/10/2022 12:20					0
22/10/2022 12:30					0
22/10/2022 12:40					0
22/10/2022 12:50					0
22/10/2022 13:00					0
22/10/2022 13:10					0
22/10/2022 13:20					0
22/10/2022 13:30					0
22/10/2022 13:40					0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/10/2022 13:50					0
22/10/2022 14:00					0
22/10/2022 14:10					0
22/10/2022 14:20					0
22/10/2022 14:30					0
22/10/2022 14:40					0
22/10/2022 14:50					0
22/10/2022 15:00					0
22/10/2022 15:10					0
22/10/2022 15:20					0
22/10/2022 15:30					0
22/10/2022 15:40					0
22/10/2022 15:50					0
22/10/2022 16:00					0
22/10/2022 16:10					0
22/10/2022 16:20					0
22/10/2022 16:30					0
22/10/2022 16:40					0
22/10/2022 16:50					0
22/10/2022 17:00					0
22/10/2022 17:10					0
22/10/2022 17:20					0
22/10/2022 17:30					0
22/10/2022 17:40					0
22/10/2022 17:50	3.2	246	12	8.7	0
22/10/2022 18:00	4.4	250	17	6.4	0
22/10/2022 18:10	4.6	252	15	6.5	0
22/10/2022 18:20	5.1	248	13	7.6	0
22/10/2022 18:30	4.5	254	15	6.5	0
22/10/2022 18:40	4.6	252	16	6.8	0
22/10/2022 18:50	5.1	250	16	7.2	0
22/10/2022 19:00	4.4	255	19	6.6	0
22/10/2022 19:10	4.5	251	19	6.8	0
22/10/2022 19:20	4.3	255	18	6.1	0
22/10/2022 19:30	4.7	258	15	6.8	0
22/10/2022 19:40	4.8	254	16	7	0
22/10/2022 19:50	4.5	252	16	7.2	0
22/10/2022 20:00	4.4	252	16	6.8	0
22/10/2022 20:10	5.2	251	14	7.1	0
22/10/2022 20:20	5.1	252	13	7.1	0
22/10/2022 20:30	4.9	255	13	7.2	0
22/10/2022 20:40	5.1	254	13	7.1	0
22/10/2022 20:50	4.9	258	14	6.7	0
22/10/2022 21:00	4.8	255	15	7.2	0
22/10/2022 21:10	5.9	250	15	8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/10/2022 21:20	5.1	254	15	7.6	0
22/10/2022 21:30	5.5	253	17	8.4	0
22/10/2022 21:40	5.8	253	13	8.1	0
22/10/2022 21:50	5.9	250	14	8.2	0
22/10/2022 22:00	5.5	254	14	7.5	0
22/10/2022 22:10	5.7	254	14	7.9	0
22/10/2022 22:20	5.6	251	13	7.7	0
22/10/2022 22:30	5.5	254	13	8.2	0
22/10/2022 22:40	5.5	251	17	8.2	0
22/10/2022 22:50	4.9	249	19	7.1	0
22/10/2022 23:00	4.6	248	17	7	0
22/10/2022 23:10	4.6	247	14	6.3	0
22/10/2022 23:20	5.2	252	15	7.1	0
22/10/2022 23:30	5.2	255	17	7.6	0
22/10/2022 23:40	5.2	255	13	7.5	0
22/10/2022 23:50	4.9	252	16	6.8	0
23/10/2022 00:00	4.7	250	14	6.6	0
23/10/2022 00:10	4.5	246	16	6.3	0
23/10/2022 00:20	5	252	15	7.4	0
23/10/2022 00:30	5.1	254	16	6.9	0
23/10/2022 00:40	5.1	250	14	7.1	0
23/10/2022 00:50	4.5	246	18	6.8	0
23/10/2022 01:00	4.8	251	17	7.5	0
23/10/2022 01:10	5	252	16	7	0
23/10/2022 01:20	4.5	251	16	6.8	0
23/10/2022 01:30	5.1	251	17	6.9	0
23/10/2022 01:40	4.5	248	14	6.4	0
23/10/2022 01:50	5	253	16	7.3	0
23/10/2022 02:00	4.4	248	16	6.2	0
23/10/2022 02:10	3.7	250	18	6.3	0
23/10/2022 02:20	3.3	242	17	4.8	0
23/10/2022 02:30	3.8	237	17	5	0
23/10/2022 02:40	3.8	232	18	5.5	0
23/10/2022 02:50	3.9	237	15	5.5	0
23/10/2022 03:00	3.8	238	21	5.3	0
23/10/2022 03:10	4.3	239	18	6	0
23/10/2022 03:20	4.3	241	18	6.4	0
23/10/2022 03:30	4	242	16	6.2	0
23/10/2022 03:40	4.1	244	17	6.2	0
23/10/2022 03:50	3.8	242	19	5.2	0
23/10/2022 04:00	3.8	245	16	5.4	0
23/10/2022 04:10	3.9	245	18	5.7	0
23/10/2022 04:20	3.5	240	20	5.3	0
23/10/2022 04:30	3.6	245	16	5.5	0
23/10/2022 04:40	3.6	245	17	5.3	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/10/2022 04:50	3.4	238	21	5.6	0
23/10/2022 05:00	3.5	240	20	5.5	0
23/10/2022 05:10	3.4	241	20	5.4	0
23/10/2022 05:20	3.7	238	18	5.3	0
23/10/2022 05:30	3.5	237	17	5.2	0
23/10/2022 05:40	3.5	236	18	5.1	0
23/10/2022 05:50	3.4	231	16	5.5	0
23/10/2022 06:00	3.2	235	18	4.8	0
23/10/2022 06:10	3.1	231	19	4.8	0
23/10/2022 06:20					0
23/10/2022 06:30					0
23/10/2022 06:40					0
23/10/2022 06:50					0
23/10/2022 07:00					0
23/10/2022 07:10					0
23/10/2022 07:20					0
23/10/2022 07:30					0
23/10/2022 07:40					0
23/10/2022 07:50					0
23/10/2022 08:00					0
23/10/2022 08:10					0
23/10/2022 08:20					0
23/10/2022 08:30					0
23/10/2022 08:40					0
23/10/2022 08:50					0
23/10/2022 09:00					0
23/10/2022 09:10					0
23/10/2022 09:20					0
23/10/2022 09:30					0
23/10/2022 09:40					0
23/10/2022 09:50					0
23/10/2022 10:00					0
23/10/2022 10:10					0
23/10/2022 10:20					0
23/10/2022 10:30					0
23/10/2022 10:40					0
23/10/2022 10:50					0
23/10/2022 11:00					0
23/10/2022 11:10					0
23/10/2022 11:20					0
23/10/2022 11:30					0
23/10/2022 11:40					0
23/10/2022 11:50					0
23/10/2022 12:00					0
23/10/2022 12:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/10/2022 12:20					0
23/10/2022 12:30					0
23/10/2022 12:40					0
23/10/2022 12:50					0
23/10/2022 13:00					0
23/10/2022 13:10					0
23/10/2022 13:20					0
23/10/2022 13:30					0
23/10/2022 13:40					0
23/10/2022 13:50					0
23/10/2022 14:00					0
23/10/2022 14:10					0
23/10/2022 14:20					0
23/10/2022 14:30					0
23/10/2022 14:40					0
23/10/2022 14:50					0
23/10/2022 15:00					0
23/10/2022 15:10					0
23/10/2022 15:20					0
23/10/2022 15:30					0
23/10/2022 15:40					0
23/10/2022 15:50					0
23/10/2022 16:00					0
23/10/2022 16:10					0
23/10/2022 16:20					0
23/10/2022 16:30					0
23/10/2022 16:40					0
23/10/2022 16:50					0
23/10/2022 17:00					0
23/10/2022 17:10					0
23/10/2022 17:20					0
23/10/2022 17:30					0
23/10/2022 17:40					0
23/10/2022 17:50	3	248	12	8.5	0
23/10/2022 18:00	3	255	13	6.5	0
23/10/2022 18:10	4.4	259	18	7	0
23/10/2022 18:20	4.6	257	18	7	0
23/10/2022 18:30	4.8	258	19	6.8	0
23/10/2022 18:40	4.8	257	16	6.6	0
23/10/2022 18:50	4.3	257	15	6.4	0
23/10/2022 19:00	4.3	255	20	6.7	0
23/10/2022 19:10	4.5	262	20	6.7	0
23/10/2022 19:20	4.6	257	19	7.3	0
23/10/2022 19:30	4.2	260	19	7.4	0
23/10/2022 19:40	4.4	258	15	6.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/10/2022 19:50	4.1	256	16	6.1	0
23/10/2022 20:00	3.6	259	21	5.2	0
23/10/2022 20:10	3.4	261	18	5.6	0
23/10/2022 20:20	4	258	18	6.5	0
23/10/2022 20:30	4.1	260	19	6	0
23/10/2022 20:40	4.3	257	17	6.3	0
23/10/2022 20:50	4.2	260	16	6.5	0
23/10/2022 21:00	4.2	255	21	6.4	0
23/10/2022 21:10	5.3	250	15	7.7	0
23/10/2022 21:20	4.3	258	16	6.8	0
23/10/2022 21:30	4.8	251	18	6.6	0
23/10/2022 21:40	4.6	251	16	7.3	0
23/10/2022 21:50	4.6	248	18	6.9	0
23/10/2022 22:00	5.2	249	19	7.2	0
23/10/2022 22:10	5.4	250	15	8.6	0
23/10/2022 22:20	5.6	252	18	7.9	0
23/10/2022 22:30	5.5	249	19	7.9	0
23/10/2022 22:40	5.2	247	16	7.7	0
23/10/2022 22:50	6	254	17	8.2	0
23/10/2022 23:00	5	247	18	7.6	0
23/10/2022 23:10	4.7	247	20	7.5	0
23/10/2022 23:20	5	245	18	7.4	0
23/10/2022 23:30	4.3	248	18	6.8	0
23/10/2022 23:40	5	243	17	7.2	0
23/10/2022 23:50	4.8	248	17	7.3	0
24/10/2022 00:00	5	244	18	7.9	0
24/10/2022 00:10	5.3	242	16	7.6	0
24/10/2022 00:20	4.9	250	17	7.8	0
24/10/2022 00:30	4.3	249	19	6.1	0
24/10/2022 00:40	4.8	245	17	7	0
24/10/2022 00:50	4.8	240	18	7.2	0
24/10/2022 01:00	4.5	241	19	7	0
24/10/2022 01:10	4.4	243	18	6.3	0
24/10/2022 01:20	4.4	239	16	6.8	0
24/10/2022 01:30	4.1	240	16	6.2	0
24/10/2022 01:40	4.1	246	22	6	0
24/10/2022 01:50	3.7	242	19	6.7	0
24/10/2022 02:00	4.2	243	19	7.2	0
24/10/2022 02:10	4.3	239	17	6.8	0
24/10/2022 02:20	4.2	238	17	6.2	0
24/10/2022 02:30	4.2	236	20	6.2	0
24/10/2022 02:40	4.3	235	17	6.6	0
24/10/2022 02:50	4.3	240	17	6.7	0
24/10/2022 03:00	4	239	18	6	0
24/10/2022 03:10	4.3	243	18	7.4	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/10/2022 03:20	4.2	240	18	7	0
24/10/2022 03:30	4.3	242	17	6.4	0
24/10/2022 03:40	3.8	247	18	5.9	0
24/10/2022 03:50	3.7	247	20	5.6	0
24/10/2022 04:00	3.6	247	18	6	0
24/10/2022 04:10	3.5	245	19	5.5	0
24/10/2022 04:20	3.5	246	17	5.6	0
24/10/2022 04:30	3.2	244	20	5.2	0
24/10/2022 04:40	3.5	246	18	5.1	0
24/10/2022 04:50	3.5	244	20	5.2	0
24/10/2022 05:00	3.8	245	16	5.5	0
24/10/2022 05:10	3.6	250	19	5.2	0
24/10/2022 05:20	3.6	250	17	5.9	0
24/10/2022 05:30	3.8	249	16	5.8	0
24/10/2022 05:40	4.1	253	17	6	0
24/10/2022 05:50	3.9	249	17	6	0
24/10/2022 06:00	3.9	253	16	5.4	0
24/10/2022 06:10	3.5	252	18	5.2	0
24/10/2022 06:20					0
24/10/2022 06:30					0
24/10/2022 06:40					0
24/10/2022 06:50					0
24/10/2022 07:00					0
24/10/2022 07:10					0
24/10/2022 07:20					0
24/10/2022 07:30					0
24/10/2022 07:40					0
24/10/2022 07:50					0
24/10/2022 08:00					0
24/10/2022 08:10					0
24/10/2022 08:20					0
24/10/2022 08:30					0
24/10/2022 08:40					0
24/10/2022 08:50					0
24/10/2022 09:00					0
24/10/2022 09:10					0
24/10/2022 09:20					0
24/10/2022 09:30					0
24/10/2022 09:40					0
24/10/2022 09:50					0
24/10/2022 10:00					0
24/10/2022 10:10					0
24/10/2022 10:20					0
24/10/2022 10:30					0
24/10/2022 10:40					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/10/2022 10:50					0
24/10/2022 11:00					0
24/10/2022 11:10					0
24/10/2022 11:20					0
24/10/2022 11:30					0
24/10/2022 11:40					0
24/10/2022 11:50					0
24/10/2022 12:00	5.6	250	17	8.9	0
24/10/2022 12:10	5.9	258	16	8.7	0
24/10/2022 12:20	5.9	254	19	8.7	0
24/10/2022 12:30	5.7	254	20	8.8	0
24/10/2022 12:40	6.3	254	17	9.3	0
24/10/2022 12:50	6.3	252	18	9	0
24/10/2022 13:00	6.6	254	16	10.3	0
24/10/2022 13:10	7.2	252	17	10.4	0
24/10/2022 13:20	6.8	252	17	10.4	0
24/10/2022 13:30	6.7	249	17	9.7	0
24/10/2022 13:40	7.5	248	17	10.5	0
24/10/2022 13:50	7.8	248	13	11.1	0
24/10/2022 14:00	7.4	249	15	10.7	0
24/10/2022 14:10	7	252	18	10	0
24/10/2022 14:20	7.5	248	18	11.1	0
24/10/2022 14:30	7.1	249	16	11	0
24/10/2022 14:40	6.4	250	22	9.9	0
24/10/2022 14:50	7.2	252	13	9.9	0
24/10/2022 15:00	6.6	254	18	9.5	0
24/10/2022 15:10	6.6	252	18	10.4	0
24/10/2022 15:20	6.9	250	17	10.3	0
24/10/2022 15:30	6.7	250	18	9.6	0
24/10/2022 15:40	6.3	254	20	9.9	0
24/10/2022 15:50	7	252	16	10.6	0
24/10/2022 16:00	6.7	253	18	10.2	0
24/10/2022 16:10	8.1	252	14	11.8	0
24/10/2022 16:20	7.3	250	15	11.2	0
24/10/2022 16:30	7.2	250	15	10.4	0
24/10/2022 16:40	7	247	20	10.5	0
24/10/2022 16:50	7.1	251	17	10.3	0
24/10/2022 17:00	6.6	251	17	9.9	0
24/10/2022 17:10	5.6	255	16	8.1	0
24/10/2022 17:20	5.9	256	18	8.8	0
24/10/2022 17:30	5.4	259	20	8.3	0
24/10/2022 17:40	6.1	248	16	9.3	0
24/10/2022 17:50	6.5	250	15	9.1	0
24/10/2022 18:00	5.6	252	19	8	0
24/10/2022 18:10	5.9	250	17	8.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/10/2022 18:20	5.2	254	18	8.3	0
24/10/2022 18:30	4.3	257	19	7	0
24/10/2022 18:40	4.3	253	18	6.5	0
24/10/2022 18:50	4.6	257	23	7.1	0
24/10/2022 19:00	4.1	256	18	6.2	0
24/10/2022 19:10	4	256	21	6.6	0
24/10/2022 19:20	4.4	253	17	6.8	0
24/10/2022 19:30	4.5	261	20	6.8	0
24/10/2022 19:40	4.3	259	19	6.8	0
24/10/2022 19:50	4.6	258	16	7.5	0
24/10/2022 20:00	5.1	253	17	7.9	0
24/10/2022 20:10	5.2	250	17	7.9	0
24/10/2022 20:20	5	251	17	7.6	0
24/10/2022 20:30	4.2	252	20	6.5	0
24/10/2022 20:40	5.1	250	15	7.1	0
24/10/2022 20:50	4.7	253	17	7.5	0
24/10/2022 21:00	4.4	250	15	6.6	0
24/10/2022 21:10	4.9	254	19	7.4	0
24/10/2022 21:20	5	253	15	7.3	0
24/10/2022 21:30	5.3	248	18	7.9	0
24/10/2022 21:40	5	249	15	8.5	0
24/10/2022 21:50	5.2	255	16	7.3	0
24/10/2022 22:00	5.6	251	15	7.8	0
24/10/2022 22:10	5.1	251	14	7.3	0
24/10/2022 22:20	5.2	255	18	7.9	0
24/10/2022 22:30	5.4	251	15	8.3	0
24/10/2022 22:40	4.5	253	18	6.8	0
24/10/2022 22:50	5	252	15	7.5	0
24/10/2022 23:00	5.2	257	16	7.3	0
24/10/2022 23:10	4.8	251	17	7.2	0
24/10/2022 23:20	5	252	16	7.1	0
24/10/2022 23:30	4.5	246	15	7.2	0
24/10/2022 23:40	4.5	245	16	6.7	0
24/10/2022 23:50	5.1	254	18	7.7	0
25/10/2022 00:00	5.1	253	17	8.7	0
25/10/2022 00:10	5	243	20	7.2	0
25/10/2022 00:20	4.7	251	17	7.5	0
25/10/2022 00:30	4.4	251	17	6.9	0
25/10/2022 00:40	4.5	251	17	6.5	0
25/10/2022 00:50	4.6	254	15	7	0
25/10/2022 01:00	4.5	254	17	6.5	0
25/10/2022 01:10	4.3	253	15	6.2	0
25/10/2022 01:20	3.6	253	18	5.9	0
25/10/2022 01:30	4	247	16	5.9	0
25/10/2022 01:40	3.4	249	18	5	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/10/2022 01:50	3.9	254	20	6	0
25/10/2022 02:00	3.7	244	19	6	0
25/10/2022 02:10	2.9	244	19	4.4	0
25/10/2022 02:20	3.1	246	14	4.8	0
25/10/2022 02:30	2.7	245	18	4.4	0
25/10/2022 02:40	3.2	248	16	5.2	0
25/10/2022 02:50	3.1	247	19	4.4	0
25/10/2022 03:00	3	255	16	4.8	0
25/10/2022 03:10	3.8	255	14	4.9	0
25/10/2022 03:20	3.7	257	14	5.2	0
25/10/2022 03:30	3.4	260	14	4.7	0
25/10/2022 03:40	3	261	15	4.4	0
25/10/2022 03:50	3.2	264	16	4.8	0
25/10/2022 04:00	3.1	262	16	4.3	0
25/10/2022 04:10	3.1	259	18	4.5	0
25/10/2022 04:20	3.5	232	20	5.6	0
25/10/2022 04:30	3.8	224	17	6.2	0
25/10/2022 04:40	4	221	16	6	0
25/10/2022 04:50	4.1	218	16	6	0
25/10/2022 05:00	3.8	215	15	6	0
25/10/2022 05:10	3.4	216	16	5.1	0
25/10/2022 05:20	3.9	214	14	6.8	0
25/10/2022 05:30	3.4	218	15	5.6	0
25/10/2022 05:40	3.1	216	15	4.4	0
25/10/2022 05:50	3.3	216	17	5	0
25/10/2022 06:00	3.5	210	16	5.2	0
25/10/2022 06:10	3.8	212	15	5.7	0
25/10/2022 06:20	3.7	212	18	5.6	0
25/10/2022 06:30	3.9	206	16	5.6	0
25/10/2022 06:40	4.2	200	18	6.3	0
25/10/2022 06:50	4	204	17	6	0
25/10/2022 07:00	3.5	193	17	4.9	0
25/10/2022 07:10	4.3	187	18	6.7	0
25/10/2022 07:20	4.3	190	18	6.5	0
25/10/2022 07:30	4.5	191	17	7.2	0
25/10/2022 07:40	4.3	190	16	6.3	0
25/10/2022 07:50	4.3	182	15	6.5	0
25/10/2022 08:00	2.4	175	16	5.4	0
25/10/2022 08:10					0
25/10/2022 08:20					0
25/10/2022 08:30					0
25/10/2022 08:40					0
25/10/2022 08:50					0
25/10/2022 09:00					0
25/10/2022 09:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/10/2022 09:20					0
25/10/2022 09:30					0
25/10/2022 09:40					0
25/10/2022 09:50					0
25/10/2022 10:00					0
25/10/2022 10:10					0
25/10/2022 10:20					0
25/10/2022 10:30					0
25/10/2022 10:40					0
25/10/2022 10:50					0
25/10/2022 11:00					0
25/10/2022 11:10					0
25/10/2022 11:20					0
25/10/2022 11:30					0
25/10/2022 11:40					0
25/10/2022 11:50					0
25/10/2022 12:00					0
25/10/2022 12:10					0
25/10/2022 12:20					0
25/10/2022 12:30					0
25/10/2022 12:40					0
25/10/2022 12:50					0
25/10/2022 13:00					0
25/10/2022 13:10					0
25/10/2022 13:20					0
25/10/2022 13:30					0
25/10/2022 13:40					0
25/10/2022 13:50					0
25/10/2022 14:00					0
25/10/2022 14:10					0
25/10/2022 14:20					0
25/10/2022 14:30					0
25/10/2022 14:40					0
25/10/2022 14:50					0
25/10/2022 15:00					0
25/10/2022 15:10					0
25/10/2022 15:20					0
25/10/2022 15:30					0
25/10/2022 15:40					0
25/10/2022 15:50					0
25/10/2022 16:00					0
25/10/2022 16:10					0
25/10/2022 16:20					0
25/10/2022 16:30					0
25/10/2022 16:40					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/10/2022 16:50					0
25/10/2022 17:00					0
25/10/2022 17:10					0
25/10/2022 17:20					0
25/10/2022 17:30	2.3	267	28	5.7	0
25/10/2022 17:40	2.6	271	29	4.3	0
25/10/2022 17:50	2.6	271	33	4.9	0
25/10/2022 18:00	3.2	259	22	5.2	0
25/10/2022 18:10	3	253	21	4.9	0
25/10/2022 18:20	2.9	253	21	5	0
25/10/2022 18:30	2.6	259	22	4.4	0
25/10/2022 18:40	3.2	257	19	5.4	0
25/10/2022 18:50	3.7	260	20	6	0
25/10/2022 19:00	3.6	251	19	5.9	0
25/10/2022 19:10	3.8	256	19	5.6	0
25/10/2022 19:20	4.3	253	17	6	0
25/10/2022 19:30	4.5	252	17	6.9	0
25/10/2022 19:40	4.1	253	16	6.1	0
25/10/2022 19:50	3.9	255	19	6	0
25/10/2022 20:00	3.8	256	19	6	0
25/10/2022 20:10	4	258	17	6.1	0
25/10/2022 20:20	3.8	259	17	6	0
25/10/2022 20:30	3.9	253	15	6.9	0
25/10/2022 20:40	4	259	17	6	0
25/10/2022 20:50	3.9	255	16	6.1	0
25/10/2022 21:00	4.3	258	18	6.7	0
25/10/2022 21:10	4	257	20	6.1	0
25/10/2022 21:20	4	258	15	5.6	0
25/10/2022 21:30	4	260	18	6.4	0
25/10/2022 21:40	3.8	257	18	5.6	0
25/10/2022 21:50	3.6	260	21	5.2	0
25/10/2022 22:00	3.6	258	17	5.6	0
25/10/2022 22:10	3.8	256	15	5.6	0
25/10/2022 22:20	3.9	262	16	6	0
25/10/2022 22:30	3.5	260	17	5.2	0
25/10/2022 22:40	3.6	257	18	5.6	0
25/10/2022 22:50	3.4	259	19	4.9	0
25/10/2022 23:00	3.4	259	22	5.3	0
25/10/2022 23:10	3.7	259	15	5.2	0
25/10/2022 23:20	4	256	15	6.2	0
25/10/2022 23:30	3.2	258	17	4.8	0
25/10/2022 23:40	3.7	255	16	5.4	0
25/10/2022 23:50	2.9	260	20	4.4	0
26/10/2022 00:00	3.3	260	15	4.5	0
26/10/2022 00:10	3.4	257	15	5.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/10/2022 00:20	3.1	259	17	4.6	0
26/10/2022 00:30	2.8	259	17	4.3	0
26/10/2022 00:40	2.9	258	13	4	0
26/10/2022 00:50	2.8	259	14	3.9	0
26/10/2022 01:00	2.3	259	18	3.1	0
26/10/2022 01:10	2.5	260	16	3.6	0
26/10/2022 01:20	3.1	256	11	4.2	0
26/10/2022 01:30	2.9	258	11	4	0
26/10/2022 01:40	2.4	260	15	3.7	0
26/10/2022 01:50	2.3	258	14	3.5	0
26/10/2022 02:00	2	272	20	3.2	0
26/10/2022 02:10	1.9	275	21	2.9	0
26/10/2022 02:20	1.8	269	19	3	0
26/10/2022 02:30	2.1	265	16	3	0
26/10/2022 02:40	2.5	262	15	3.6	0
26/10/2022 02:50	2.6	262	13	3.6	0
26/10/2022 03:00	2.4	267	17	3.2	0
26/10/2022 03:10	2.6	269	16	3.7	0
26/10/2022 03:20	3	268	15	4.3	0
26/10/2022 03:30	2.7	267	14	3.6	0
26/10/2022 03:40	2.5	256	13	3.7	0
26/10/2022 03:50	2.4	245	17	3.6	0
26/10/2022 04:00	2.4	248	18	3.6	0
26/10/2022 04:10	2.5	244	15	3.4	0
26/10/2022 04:20	2.1	241	15	3.1	0
26/10/2022 04:30	2.2	248	21	3.5	0
26/10/2022 04:40	1.8	240	22	3.2	0
26/10/2022 04:50	1.6	220	25	3.1	0
26/10/2022 05:00	1.6	206	25	2.8	0
26/10/2022 05:10	1.5	202	22	2.4	0
26/10/2022 05:20	1.3	209	16	2	0
26/10/2022 05:30	1	198	42	2	0
26/10/2022 05:40	1.4	200	22	2.2	0
26/10/2022 05:50	0.7	199	29	1.3	0
26/10/2022 06:00	0.6	184	34	1.3	0
26/10/2022 06:10	0.5	161	30	1.2	0
26/10/2022 06:20					0
26/10/2022 06:30					0
26/10/2022 06:40					0
26/10/2022 06:50					0
26/10/2022 07:00					0
26/10/2022 07:10					0
26/10/2022 07:20					0
26/10/2022 07:30					0
26/10/2022 07:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/10/2022 07:50					0
26/10/2022 08:00					0
26/10/2022 08:10					0
26/10/2022 08:20					0
26/10/2022 08:30					0
26/10/2022 08:40					0
26/10/2022 08:50					0
26/10/2022 09:00					0
26/10/2022 09:10					0
26/10/2022 09:20					0
26/10/2022 09:30					0
26/10/2022 09:40					0
26/10/2022 09:50					0
26/10/2022 10:00					0
26/10/2022 10:10					0
26/10/2022 10:20					0
26/10/2022 10:30					0
26/10/2022 10:40					0
26/10/2022 10:50					0
26/10/2022 11:00					0
26/10/2022 11:10					0
26/10/2022 11:20					0
26/10/2022 11:30					0
26/10/2022 11:40					0
26/10/2022 11:50					0
26/10/2022 12:00					0
26/10/2022 12:10					0
26/10/2022 12:20					0
26/10/2022 12:30					0
26/10/2022 12:40					0
26/10/2022 12:50					0
26/10/2022 13:00					0
26/10/2022 13:10					0
26/10/2022 13:20					0
26/10/2022 13:30					0
26/10/2022 13:40					0
26/10/2022 13:50					0
26/10/2022 14:00					0
26/10/2022 14:10					0
26/10/2022 14:20					0
26/10/2022 14:30					0
26/10/2022 14:40					0
26/10/2022 14:50					0
26/10/2022 15:00					0
26/10/2022 15:10					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/10/2022 15:20					0
26/10/2022 15:30					0
26/10/2022 15:40					0
26/10/2022 15:50					0
26/10/2022 16:00					0
26/10/2022 16:10					0
26/10/2022 16:20					0
26/10/2022 16:30					0
26/10/2022 16:40					0
26/10/2022 16:50					0
26/10/2022 17:00					0
26/10/2022 17:10					0
26/10/2022 17:20					0
26/10/2022 17:30					0
26/10/2022 17:40					0
26/10/2022 17:50					0
26/10/2022 18:00					0
26/10/2022 18:10					0
26/10/2022 18:20	2.5	314	34	4	0
26/10/2022 18:30	2.4	315	28	4.1	0
26/10/2022 18:40	2.1	318	24	3.7	0
26/10/2022 18:50	2.4	315	28	3.6	0
26/10/2022 19:00	1.8	307	36	3.3	0
26/10/2022 19:10	1.5	276	41	2.5	0
26/10/2022 19:20	2	255	21	3.1	0
26/10/2022 19:30	2	248	19	3.2	0
26/10/2022 19:40	2.1	255	23	3.5	0
26/10/2022 19:50	2.1	261	18	3.4	0
26/10/2022 20:00	2.5	256	15	3.5	0
26/10/2022 20:10	2.5	257	14	3.5	0
26/10/2022 20:20	2.3	248	13	3.1	0
26/10/2022 20:30	2.1	251	10	3.2	0
26/10/2022 20:40					0
26/10/2022 20:50					0
26/10/2022 21:00	2.3	251	14	3.6	0
26/10/2022 21:10	2.6	250	15	3.9	0
26/10/2022 21:20	2.3	252	14	3.7	0
26/10/2022 21:30					0
26/10/2022 21:40					0
26/10/2022 21:50	2.1	254	12	3.7	0
26/10/2022 22:00	2.6	249	16	3.9	0
26/10/2022 22:10	2.4	247	18	3.6	0
26/10/2022 22:20	2.3	254	16	3.5	0
26/10/2022 22:30	2.4	249	15	3.6	0
26/10/2022 22:40	2.8	247	16	4.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/10/2022 22:50	2.6	249	17	3.6	0
26/10/2022 23:00	2.8	247	21	4.5	0
26/10/2022 23:10	3.1	242	18	5.1	0
26/10/2022 23:20	3.1	244	16	5.2	0
26/10/2022 23:30	2.9	246	16	4.4	0
26/10/2022 23:40	3.1	244	19	4.8	0
26/10/2022 23:50	3.3	240	18	5	0
27/10/2022 00:00	2.8	243	17	4.2	0
27/10/2022 00:10	2.1	248	18	3.5	0
27/10/2022 00:20	2.4	251	15	3.9	0
27/10/2022 00:30	2.6	250	18	4	0
27/10/2022 00:40	3	254	15	4.5	0
27/10/2022 00:50	3.1	253	13	5	0
27/10/2022 01:00	3.1	254	15	4.6	0
27/10/2022 01:10	2.9	253	18	4.6	0
27/10/2022 01:20	3.3	253	17	5.2	0
27/10/2022 01:30	3.1	254	12	5.3	0
27/10/2022 01:40					0
27/10/2022 01:50					0
27/10/2022 02:00					0
27/10/2022 02:10	3.2	252	14	4.9	0
27/10/2022 02:20	3.5	253	16	5.4	0
27/10/2022 02:30	2.7	254	19	4.6	0
27/10/2022 02:40	3.4	250	16	5.2	0
27/10/2022 02:50	3.2	250	17	4.6	0
27/10/2022 03:00	3.2	246	17	4.6	0
27/10/2022 03:10	3.3	252	16	4.8	0
27/10/2022 03:20	3.5	249	18	5.2	0
27/10/2022 03:30	3.1	254	13	5	0
27/10/2022 03:40	3.3	254	16	5.3	0
27/10/2022 03:50	2.8	253	16	4.4	0
27/10/2022 04:00	2.4	246	16	4	0
27/10/2022 04:10	2.5	252	18	3.6	0
27/10/2022 04:20	2.2	255	16	4	0
27/10/2022 04:30	3	255	14	4.4	0
27/10/2022 04:40	2.4	250	15	4	0
27/10/2022 04:50	2.2	251	15	3.5	0
27/10/2022 05:00	2.8	249	14	4.6	0
27/10/2022 05:10	3.1	252	15	4.8	0
27/10/2022 05:20	3	253	11	4.8	0
27/10/2022 05:30	2.7	248	15	4.1	0
27/10/2022 05:40	2.8	247	15	4.2	0
27/10/2022 05:50	2.7	249	17	3.8	0
27/10/2022 06:00	2.7	251	15	4	0
27/10/2022 06:10	1.9	243	16	3.2	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/10/2022 06:20					0
27/10/2022 06:30					0
27/10/2022 06:40					0
27/10/2022 06:50					0
27/10/2022 07:00					0
27/10/2022 07:10					0
27/10/2022 07:20					0
27/10/2022 07:30					0
27/10/2022 07:40					0
27/10/2022 07:50					0
27/10/2022 08:00					0
27/10/2022 08:10					0
27/10/2022 08:20					0
27/10/2022 08:30					0
27/10/2022 08:40					0
27/10/2022 08:50					0
27/10/2022 09:00					0
27/10/2022 09:10					0
27/10/2022 09:20					0
27/10/2022 09:30					0
27/10/2022 09:40					0
27/10/2022 09:50					0
27/10/2022 10:00					0
27/10/2022 10:10					0
27/10/2022 10:20					0
27/10/2022 10:30					0
27/10/2022 10:40					0
27/10/2022 10:50					0
27/10/2022 11:00					0
27/10/2022 11:10					0
27/10/2022 11:20					0
27/10/2022 11:30					0
27/10/2022 11:40					0
27/10/2022 11:50					0
27/10/2022 12:00					0
27/10/2022 12:10					0
27/10/2022 12:20					0
27/10/2022 12:30					0
27/10/2022 12:40					0
27/10/2022 12:50					0
27/10/2022 13:00					0
27/10/2022 13:10					0
27/10/2022 13:20					0
27/10/2022 13:30					0
27/10/2022 13:40					0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/10/2022 13:50					0
27/10/2022 14:00					0
27/10/2022 14:10					0
27/10/2022 14:20					0
27/10/2022 14:30					0
27/10/2022 14:40					0
27/10/2022 14:50					0
27/10/2022 15:00					0
27/10/2022 15:10					0
27/10/2022 15:20					0
27/10/2022 15:30					0
27/10/2022 15:40					0
27/10/2022 15:50					0
27/10/2022 16:00					0
27/10/2022 16:10					0
27/10/2022 16:20					0
27/10/2022 16:30					0
27/10/2022 16:40					0
27/10/2022 16:50					0
27/10/2022 17:00					0
27/10/2022 17:10					0
27/10/2022 17:20					0
27/10/2022 17:30					0
27/10/2022 17:40					0
27/10/2022 17:50					0
27/10/2022 18:00					0
27/10/2022 18:10					0
27/10/2022 18:20					0
27/10/2022 18:30					0
27/10/2022 18:40					0
27/10/2022 18:50					0
27/10/2022 19:00					0
27/10/2022 19:10					0
27/10/2022 19:20					0
27/10/2022 19:30					0
27/10/2022 19:40					0
27/10/2022 19:50					0
27/10/2022 20:00					0
27/10/2022 20:10	1.7	264	28	3.7	0
27/10/2022 20:20	2.2	260	26	3.4	0
27/10/2022 20:30	2.2	267	30	4.4	0
27/10/2022 20:40	2.4	259	27	4.4	0
27/10/2022 20:50	2.1	261	28	3.6	0
27/10/2022 21:00	2.4	261	22	3.7	0
27/10/2022 21:10	2.2	259	28	3.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/10/2022 21:20	2.3	262	25	3.8	0
27/10/2022 21:30	2.3	251	22	4.5	0
27/10/2022 21:40	2.4	254	19	3.5	0
27/10/2022 21:50	2.9	247	16	4.4	0
27/10/2022 22:00	2.8	260	20	4.6	0
27/10/2022 22:10	2.8	262	18	4.4	0
27/10/2022 22:20	3	259	21	5.2	0
27/10/2022 22:30	3.5	254	20	6.3	0
27/10/2022 22:40	3.4	259	22	5.4	0
27/10/2022 22:50	4	253	19	6.3	0
27/10/2022 23:00	3.9	255	17	6.6	0
27/10/2022 23:10	4.1	246	15	6	0
27/10/2022 23:20	4.3	255	18	6.1	0
27/10/2022 23:30	3.3	255	19	4.8	0
27/10/2022 23:40	3.7	257	19	5.9	0
27/10/2022 23:50	3.5	258	17	5.1	0
28/10/2022 00:00	3.9	252	15	6.3	0
28/10/2022 00:10	3.6	253	20	6	0
28/10/2022 00:20	3.7	256	20	6.4	0
28/10/2022 00:30	4.3	256	18	6.6	0
28/10/2022 00:40	3.7	255	19	6	0
28/10/2022 00:50	3.5	261	19	5.7	0
28/10/2022 01:00	4	256	19	5.6	0
28/10/2022 01:10	4.1	251	17	6.7	0
28/10/2022 01:20	3.8	255	19	6.9	0
28/10/2022 01:30	4.4	249	16	7.3	0
28/10/2022 01:40	3.6	254	18	5.6	0
28/10/2022 01:50	3.6	250	17	5.6	0
28/10/2022 02:00	3.9	257	19	5.5	0
28/10/2022 02:10	3.9	252	19	6.4	0
28/10/2022 02:20	4.7	248	16	7.2	0
28/10/2022 02:30	4.2	251	16	6	0
28/10/2022 02:40	4.2	252	16	6.1	0
28/10/2022 02:50	3.8	250	17	5.6	0
28/10/2022 03:00	3.6	250	18	6.4	0
28/10/2022 03:10	3.7	254	19	6	0
28/10/2022 03:20	4.5	259	18	6.4	0
28/10/2022 03:30	3.8	243	18	5.5	0
28/10/2022 03:40	4	247	18	6	0
28/10/2022 03:50	4.1	246	17	6	0
28/10/2022 04:00	4.1	252	18	5.9	0
28/10/2022 04:10	3.8	251	18	6.1	0
28/10/2022 04:20	3.2	248	18	5.3	0
28/10/2022 04:30	3.5	251	17	5.7	0
28/10/2022 04:40	3.3	254	16	5.2	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/10/2022 04:50	3.7	248	20	5.3	0
28/10/2022 05:00	2.7	234	15	4	0
28/10/2022 05:10	2.6	236	16	3.9	0
28/10/2022 05:20	2.8	237	16	4	0
28/10/2022 05:30	2.7	235	14	4.3	0
28/10/2022 05:40	2.5	239	17	3.6	0
28/10/2022 05:50	3.1	231	15	4.5	0
28/10/2022 06:00	3.3	228	16	4.5	0
28/10/2022 06:10	3.2	229	15	4.5	0
28/10/2022 06:20	2.5	237	12	4.9	0
28/10/2022 06:30					0
28/10/2022 06:40					0
28/10/2022 06:50					0
28/10/2022 07:00					0
28/10/2022 07:10					0
28/10/2022 07:20					0
28/10/2022 07:30					0
28/10/2022 07:40					0
28/10/2022 07:50					0
28/10/2022 08:00					0
28/10/2022 08:10					0
28/10/2022 08:20					0
28/10/2022 08:30					0
28/10/2022 08:40					0
28/10/2022 08:50					0
28/10/2022 09:00					0
28/10/2022 09:10					0
28/10/2022 09:20					0
28/10/2022 09:30					0
28/10/2022 09:40					0
28/10/2022 09:50					0
28/10/2022 10:00					0
28/10/2022 10:10					0
28/10/2022 10:20					0
28/10/2022 10:30					0
28/10/2022 10:40					0
28/10/2022 10:50					0
28/10/2022 11:00					0
28/10/2022 11:10					0
28/10/2022 11:20					0
28/10/2022 11:30					0
28/10/2022 11:40					0
28/10/2022 11:50					0
28/10/2022 12:00					0
28/10/2022 12:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/10/2022 12:20					0
28/10/2022 12:30					0
28/10/2022 12:40					0
28/10/2022 12:50					0
28/10/2022 13:00					0
28/10/2022 13:10					0
28/10/2022 13:20					0
28/10/2022 13:30					0
28/10/2022 13:40					0
28/10/2022 13:50					0
28/10/2022 14:00					0
28/10/2022 14:10					0
28/10/2022 14:20					0
28/10/2022 14:30					0
28/10/2022 14:40					0
28/10/2022 14:50					0
28/10/2022 15:00					0
28/10/2022 15:10					0
28/10/2022 15:20					0
28/10/2022 15:30					0
28/10/2022 15:40					0
28/10/2022 15:50					0
28/10/2022 16:00					0
28/10/2022 16:10					0
28/10/2022 16:20					0
28/10/2022 16:30					0
28/10/2022 16:40					0
28/10/2022 16:50					0
28/10/2022 17:00					0
28/10/2022 17:10					0
28/10/2022 17:20					0
28/10/2022 17:30					0
28/10/2022 17:40					0
28/10/2022 17:50					0
28/10/2022 18:00					0
28/10/2022 18:10					0
28/10/2022 18:20					0
28/10/2022 18:30					0
28/10/2022 18:40					0
28/10/2022 18:50					0
28/10/2022 19:00					0
28/10/2022 19:10					0
28/10/2022 19:20					0
28/10/2022 19:30					0
28/10/2022 19:40					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/10/2022 19:50					0
28/10/2022 20:00					0
28/10/2022 20:10	4.4	255	20	8.7	0
28/10/2022 20:20	5	250	15	7.3	0
28/10/2022 20:30	4.5	251	17	6.9	0
28/10/2022 20:40	5.3	252	15	7.5	0
28/10/2022 20:50	4.6	250	21	7	0
28/10/2022 21:00	4.2	252	17	5.9	0
28/10/2022 21:10	4.5	254	15	6.8	0
28/10/2022 21:20	4.9	251	17	7.4	0
28/10/2022 21:30	5.7	250	14	8.7	0
28/10/2022 21:40	5.3	252	18	8.1	0
28/10/2022 21:50	4.4	254	18	6.8	0
28/10/2022 22:00	5.6	252	15	7.6	0
28/10/2022 22:10	4.4	253	16	6.5	0
28/10/2022 22:20	4.6	252	15	6.5	0
28/10/2022 22:30	4.3	255	20	7.6	0
28/10/2022 22:40	4.6	253	15	6.7	0
28/10/2022 22:50	4.4	257	21	7.2	0
28/10/2022 23:00	4.3	255	18	6.8	0
28/10/2022 23:10	4.7	251	16	7.1	0
28/10/2022 23:20	5.4	250	16	8	0
28/10/2022 23:30	5.1	252	18	7.9	0
28/10/2022 23:40	5.1	253	18	7.9	0
28/10/2022 23:50	5.1	251	15	7.7	0
29/10/2022 00:00	5.3	251	16	7.9	0
29/10/2022 00:10	5	252	17	7.5	0
29/10/2022 00:20	4.7	252	20	7.5	0
29/10/2022 00:30	4.9	251	17	7.9	0
29/10/2022 00:40	5.1	255	18	7.6	0
29/10/2022 00:50	4.8	253	16	8	0
29/10/2022 01:00	4.4	255	17	6.7	0
29/10/2022 01:10	5.3	250	15	7.9	0
29/10/2022 01:20	5	249	17	7.4	0
29/10/2022 01:30	4.8	247	19	7.1	0
29/10/2022 01:40	4.5	248	16	6.7	0
29/10/2022 01:50	4.2	238	19	6.7	0
29/10/2022 02:00	4.6	237	17	6.8	0
29/10/2022 02:10	5.3	236	17	7.2	0
29/10/2022 02:20	4.6	238	17	6.7	0
29/10/2022 02:30	4.6	234	18	6.5	0
29/10/2022 02:40	4.4	235	17	6.5	0
29/10/2022 02:50	5.2	237	15	6.8	0
29/10/2022 03:00	5.4	239	15	7.9	0
29/10/2022 03:10	5	238	19	8.3	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/10/2022 03:20	5.2	237	16	7.9	0
29/10/2022 03:30	5.2	238	16	7.4	0
29/10/2022 03:40	4.9	236	16	7.2	0
29/10/2022 03:50	5.2	239	18	7.2	0
29/10/2022 04:00	4.7	236	16	6.7	0
29/10/2022 04:10	4.4	235	20	6.8	0
29/10/2022 04:20	4.7	235	17	6.8	0
29/10/2022 04:30	4.6	236	18	7.2	0
29/10/2022 04:40	4.6	239	17	6.7	0
29/10/2022 04:50	4.6	243	17	6.8	0
29/10/2022 05:00	3.7	236	16	5.8	0
29/10/2022 05:10	4.1	241	20	6.3	0
29/10/2022 05:20	4	240	18	6.4	0
29/10/2022 05:30	3.7	241	16	5.4	0
29/10/2022 05:40	3.3	240	18	5.4	0
29/10/2022 05:50	3.1	240	18	4.7	0
29/10/2022 06:00	3.3	239	18	5.2	0
29/10/2022 06:10	3.7	238	17	5.2	0
29/10/2022 06:20	3.4	238	19	5.2	0
29/10/2022 06:30	3.3	236	19	5.3	0
29/10/2022 06:40	3.7	232	18	5.5	0
29/10/2022 06:50					0
29/10/2022 07:00					0
29/10/2022 07:10					0
29/10/2022 07:20					0
29/10/2022 07:30					0
29/10/2022 07:40					0
29/10/2022 07:50					0
29/10/2022 08:00					0
29/10/2022 08:10	0	204	1	0.8	0
29/10/2022 08:20					0
29/10/2022 08:30					0
29/10/2022 08:40					0
29/10/2022 08:50					0
29/10/2022 09:00					0
29/10/2022 09:10					0
29/10/2022 09:20					0
29/10/2022 09:30					0
29/10/2022 09:40					0
29/10/2022 09:50					0
29/10/2022 10:00					0
29/10/2022 10:10					0
29/10/2022 10:20					0
29/10/2022 10:30					0
29/10/2022 10:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/10/2022 10:50					0
29/10/2022 11:00					0
29/10/2022 11:10					0
29/10/2022 11:20					0
29/10/2022 11:30					0
29/10/2022 11:40					0
29/10/2022 11:50					0
29/10/2022 12:00					0
29/10/2022 12:10					0
29/10/2022 12:20					0
29/10/2022 12:30					0
29/10/2022 12:40					0
29/10/2022 12:50					0
29/10/2022 13:00					0
29/10/2022 13:10					0
29/10/2022 13:20					0
29/10/2022 13:30					0
29/10/2022 13:40					0
29/10/2022 13:50					0
29/10/2022 14:00					0
29/10/2022 14:10					0
29/10/2022 14:20					0
29/10/2022 14:30					0
29/10/2022 14:40					0
29/10/2022 14:50					0
29/10/2022 15:00					0
29/10/2022 15:10					0
29/10/2022 15:20					0
29/10/2022 15:30					0
29/10/2022 15:40					0
29/10/2022 15:50					0
29/10/2022 16:00					0
29/10/2022 16:10					0
29/10/2022 16:20					0
29/10/2022 16:30					0
29/10/2022 16:40					0
29/10/2022 16:50					0
29/10/2022 17:00					0
29/10/2022 17:10					0
29/10/2022 17:20					0
29/10/2022 17:30					0
29/10/2022 17:40					0
29/10/2022 17:50					0
29/10/2022 18:00	4.6	249	15	8.7	0
29/10/2022 18:10	5.9	250	16	8.8	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/10/2022 18:20	6.2	252	16	9	0
29/10/2022 18:30	6.3	248	19	9.3	0
29/10/2022 18:40	6.7	252	19	9.5	0
29/10/2022 18:50	6.9	251	18	9.9	0
29/10/2022 19:00	5	251	15	10.5	0
29/10/2022 19:10	5.2	253	15	9.1	0
29/10/2022 19:20	6.5	252	14	9.1	0
29/10/2022 19:30	5.7	254	19	8.4	0
29/10/2022 19:40	6.2	250	13	8.9	0
29/10/2022 19:50					0
29/10/2022 20:00					0
29/10/2022 20:10					0
29/10/2022 20:20					0
29/10/2022 20:30					0
29/10/2022 20:40					0
29/10/2022 20:50					0
29/10/2022 21:00					0
29/10/2022 21:10					0
29/10/2022 21:20					0
29/10/2022 21:30					0
29/10/2022 21:40					0
29/10/2022 21:50					0
29/10/2022 22:00					0
29/10/2022 22:10					0
29/10/2022 22:20					0
29/10/2022 22:30					0
29/10/2022 22:40					0
29/10/2022 22:50					0
29/10/2022 23:00					0
29/10/2022 23:10					0
29/10/2022 23:20					0
29/10/2022 23:30					0
29/10/2022 23:40					0
29/10/2022 23:50	5.5	238	17	8.7	0
30/10/2022 00:00	5.2	237	18	8.1	0
30/10/2022 00:10	5	236	17	8.1	0
30/10/2022 00:20	5	239	17	7.7	0
30/10/2022 00:30	5	240	17	7.5	0
30/10/2022 00:40	4.9	242	18	6.9	0
30/10/2022 00:50	4.8	245	18	7.5	0
30/10/2022 01:00	4.7	244	15	6.9	0
30/10/2022 01:10	4.3	241	20	7.2	0
30/10/2022 01:20	4.7	238	16	6.9	0
30/10/2022 01:30	4.6	238	18	6.8	0
30/10/2022 01:40	4.2	237	17	6.4	0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/10/2022 01:50	4	243	18	5.9	0
30/10/2022 02:00	3.9	244	19	6.1	0
30/10/2022 02:10	3.4	248	17	6	0
30/10/2022 02:20	3	248	20	4.9	0
30/10/2022 02:30	3.3	242	18	5.3	0
30/10/2022 02:40	3.1	245	17	4.9	0
30/10/2022 02:50	2.9	242	20	5.1	0
30/10/2022 03:00	2.8	246	20	4.8	0
30/10/2022 03:10	2.9	249	15	4.3	0
30/10/2022 03:20	3	251	19	5	0
30/10/2022 03:30	2.9	251	16	4.6	0
30/10/2022 03:40	2.8	253	17	4.3	0
30/10/2022 03:50	2.7	247	16	4.4	0
30/10/2022 04:00	2.6	248	19	3.8	0
30/10/2022 04:10	2.8	253	18	4.2	0
30/10/2022 04:20	2.7	262	16	3.9	0
30/10/2022 04:30	2.7	264	14	3.6	0
30/10/2022 04:40	2.8	263	14	3.9	0
30/10/2022 04:50	2.8	263	17	3.9	0
30/10/2022 05:00	2.7	265	16	3.7	0
30/10/2022 05:10	2.7	267	15	3.7	0
30/10/2022 05:20	2.7	272	18	4	0
30/10/2022 05:30	2.7	273	18	4	0
30/10/2022 05:40	2.7	270	16	3.9	0
30/10/2022 05:50	2.8	268	16	4	0
30/10/2022 06:00	2.7	268	13	4.3	0
30/10/2022 06:10	2.8	267	15	3.7	0
30/10/2022 06:20	2.7	268	13	4.1	0
30/10/2022 06:30					0
30/10/2022 06:40					0
30/10/2022 06:50					0
30/10/2022 07:00					0
30/10/2022 07:10					0
30/10/2022 07:20					0
30/10/2022 07:30					0
30/10/2022 07:40					0
30/10/2022 07:50					0
30/10/2022 08:00					0
30/10/2022 08:10					0
30/10/2022 08:20					0
30/10/2022 08:30					0
30/10/2022 08:40					0
30/10/2022 08:50					0
30/10/2022 09:00					0
30/10/2022 09:10					0



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/10/2022 09:20					0
30/10/2022 09:30					0
30/10/2022 09:40					0
30/10/2022 09:50					0
30/10/2022 10:00					0
30/10/2022 10:10					0
30/10/2022 10:20					0
30/10/2022 10:30					0
30/10/2022 10:40					0
30/10/2022 10:50					0
30/10/2022 11:00					0
30/10/2022 11:10					0
30/10/2022 11:20					0
30/10/2022 11:30					0
30/10/2022 11:40					0
30/10/2022 11:50					0
30/10/2022 12:00					0
30/10/2022 12:10					0
30/10/2022 12:20					0
30/10/2022 12:30					0
30/10/2022 12:40					0
30/10/2022 12:50					0
30/10/2022 13:00					0
30/10/2022 13:10					0
30/10/2022 13:20					0
30/10/2022 13:30					0
30/10/2022 13:40					0
30/10/2022 13:50					0
30/10/2022 14:00					0
30/10/2022 14:10					0
30/10/2022 14:20					0
30/10/2022 14:30					0
30/10/2022 14:40					0
30/10/2022 14:50					0
30/10/2022 15:00					0
30/10/2022 15:10					0
30/10/2022 15:20					0
30/10/2022 15:30					0
30/10/2022 15:40					0
30/10/2022 15:50					0
30/10/2022 16:00					0
30/10/2022 16:10					0
30/10/2022 16:20					0
30/10/2022 16:30					0
30/10/2022 16:40					0



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/10/2022 16:50					0
30/10/2022 17:00					0
30/10/2022 17:10					0
30/10/2022 17:20					0
30/10/2022 17:30					0
30/10/2022 17:40					0
30/10/2022 17:50					0
30/10/2022 18:00					0
30/10/2022 18:10					0
30/10/2022 18:20					0
30/10/2022 18:30					0
30/10/2022 18:40					0
30/10/2022 18:50					0
30/10/2022 19:00					0
30/10/2022 19:10					0
30/10/2022 19:20					0
30/10/2022 19:30					0
30/10/2022 19:40					0
30/10/2022 19:50					0
30/10/2022 20:00					0
30/10/2022 20:10					0
30/10/2022 20:20					0
30/10/2022 20:30					0
30/10/2022 20:40					0
30/10/2022 20:50					0
30/10/2022 21:00					0
30/10/2022 21:10					0
30/10/2022 21:20					0
30/10/2022 21:30					0
30/10/2022 21:40					0
30/10/2022 21:50					0
30/10/2022 22:00					0
30/10/2022 22:10					0
30/10/2022 22:20					0
30/10/2022 22:30					0
30/10/2022 22:40					0
30/10/2022 22:50					0
30/10/2022 23:00					0
30/10/2022 23:10					0
30/10/2022 23:20					0
30/10/2022 23:30					0
30/10/2022 23:40					0
30/10/2022 23:50					0
31/10/2022 00:00					0
31/10/2022 00:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/10/2022 00:20					0
31/10/2022 00:30					0
31/10/2022 00:40					0
31/10/2022 00:50					0
31/10/2022 01:00					0
31/10/2022 01:10					0
31/10/2022 01:20					0
31/10/2022 01:30					0
31/10/2022 01:40					0
31/10/2022 01:50					0
31/10/2022 02:00					0
31/10/2022 02:10					0
31/10/2022 02:20					0
31/10/2022 02:30					0
31/10/2022 02:40					0
31/10/2022 02:50					0
31/10/2022 03:00					0
31/10/2022 03:10					0
31/10/2022 03:20					0
31/10/2022 03:30					0
31/10/2022 03:40					0
31/10/2022 03:50					0
31/10/2022 04:00					0
31/10/2022 04:10					0
31/10/2022 04:20					0
31/10/2022 04:30					0
31/10/2022 04:40					0
31/10/2022 04:50					0
31/10/2022 05:00					0
31/10/2022 05:10					0
31/10/2022 05:20					0
31/10/2022 05:30					0
31/10/2022 05:40					0
31/10/2022 05:50					0
31/10/2022 06:00					0
31/10/2022 06:10					0
31/10/2022 06:20					0
31/10/2022 06:30					0
31/10/2022 06:40					0
31/10/2022 06:50					0
31/10/2022 07:00					0
31/10/2022 07:10					0
31/10/2022 07:20					0
31/10/2022 07:30					0
31/10/2022 07:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/10/2022 07:50					0
31/10/2022 08:00					0
31/10/2022 08:10					0
31/10/2022 08:20					0
31/10/2022 08:30					0
31/10/2022 08:40					0
31/10/2022 08:50					0
31/10/2022 09:00					0
31/10/2022 09:10					0
31/10/2022 09:20					0
31/10/2022 09:30					0
31/10/2022 09:40					0
31/10/2022 09:50					0
31/10/2022 10:00					0
31/10/2022 10:10					0
31/10/2022 10:20					0
31/10/2022 10:30					0
31/10/2022 10:40					0
31/10/2022 10:50					0
31/10/2022 11:00					0
31/10/2022 11:10					0
31/10/2022 11:20					0
31/10/2022 11:30					0
31/10/2022 11:40					0
31/10/2022 11:50					0
31/10/2022 12:00					0
31/10/2022 12:10					0
31/10/2022 12:20					0
31/10/2022 12:30					0
31/10/2022 12:40					0
31/10/2022 12:50					0
31/10/2022 13:00					0
31/10/2022 13:10					0
31/10/2022 13:20					0
31/10/2022 13:30					0
31/10/2022 13:40					0
31/10/2022 13:50					0
31/10/2022 14:00					0
31/10/2022 14:10					0
31/10/2022 14:20					0
31/10/2022 14:30					0
31/10/2022 14:40					0
31/10/2022 14:50					0
31/10/2022 15:00					0
31/10/2022 15:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/10/2022 15:20					0
31/10/2022 15:30					0
31/10/2022 15:40					0
31/10/2022 15:50					0
31/10/2022 16:00					0
31/10/2022 16:10					0
31/10/2022 16:20					0
31/10/2022 16:30					0
31/10/2022 16:40					0
31/10/2022 16:50					0
31/10/2022 17:00					0
31/10/2022 17:10					0
31/10/2022 17:20					0
31/10/2022 17:30					0
31/10/2022 17:40					0
31/10/2022 17:50					0
31/10/2022 18:00					0
31/10/2022 18:10					0
31/10/2022 18:20					0
31/10/2022 18:30					0
31/10/2022 18:40					0
31/10/2022 18:50					0
31/10/2022 19:00					0
31/10/2022 19:10					0
31/10/2022 19:20					0
31/10/2022 19:30					0
31/10/2022 19:40					0
31/10/2022 19:50					0
31/10/2022 20:00					0
31/10/2022 20:10					0
31/10/2022 20:20	3.3	247	13	4.1	0
31/10/2022 20:30	2.8	248	14	4	0
31/10/2022 20:40					0
31/10/2022 20:50	1.5	251	11	3.8	0
31/10/2022 21:00	2.6	248	13	3.5	0
31/10/2022 21:10	1.7	249	15	2.4	0
31/10/2022 21:20	1.9	246	15	2.7	0
31/10/2022 21:30	1.9	229	15	2.8	0
31/10/2022 21:40	1.9	229	14	2.8	0
31/10/2022 21:50	1.6	230	12	3	0
31/10/2022 22:00					0
31/10/2022 22:10					0
31/10/2022 22:20					0
31/10/2022 22:30					0
31/10/2022 22:40	1.4	250	19	1.9	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/10/2022 22:50					0
31/10/2022 23:00					0
31/10/2022 23:10					0
31/10/2022 23:20	1.2	247	9	1.5	0
31/10/2022 23:30	1.1	259	14	1.6	0
31/10/2022 23:40	1.2	257	14	1.6	0
31/10/2022 23:50	1.2	250	10	1.6	0
01/11/2022 00:00	1.1	253	9	1.3	0
01/11/2022 00:10	0.5	230	45	1.5	0
01/11/2022 00:20	0.3	136	29	1.2	0
01/11/2022 00:30					0
01/11/2022 00:40	0.1	358	6	1.1	0
01/11/2022 00:50					0
01/11/2022 01:00					0
01/11/2022 01:10					0
01/11/2022 01:20					0
01/11/2022 01:30					0
01/11/2022 01:40					0
01/11/2022 01:50					0
01/11/2022 02:00					0
01/11/2022 02:10					0
01/11/2022 02:20					0
01/11/2022 02:30					0
01/11/2022 02:40					0
01/11/2022 02:50					0
01/11/2022 03:00					0
01/11/2022 03:10					0
01/11/2022 03:20					0
01/11/2022 03:30					0
01/11/2022 03:40					0
01/11/2022 03:50					0
01/11/2022 04:00					0
01/11/2022 04:10					0
01/11/2022 04:20					0
01/11/2022 04:30					0
01/11/2022 04:40					0
01/11/2022 04:50					0
01/11/2022 05:00					0
01/11/2022 05:10					0
01/11/2022 05:20					0
01/11/2022 05:30					0
01/11/2022 05:40					0
01/11/2022 05:50					0
01/11/2022 06:00					0
01/11/2022 06:10					0



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/11/2022 06:20					0
01/11/2022 06:30					0
01/11/2022 06:40					0
01/11/2022 06:50					0
01/11/2022 07:00					0
01/11/2022 07:10					0
01/11/2022 07:20					0
01/11/2022 07:30					0
01/11/2022 07:40					0
01/11/2022 07:50					0
01/11/2022 08:00					0
01/11/2022 08:10					0
01/11/2022 08:20					0
01/11/2022 08:30					0
01/11/2022 08:40					0
01/11/2022 08:50					0
01/11/2022 09:00					0
01/11/2022 09:10					0
01/11/2022 09:20					0
01/11/2022 09:30					0
01/11/2022 09:40					0
01/11/2022 09:50					0
01/11/2022 10:00					0
01/11/2022 10:10					0
01/11/2022 10:20					0
01/11/2022 10:30					0
01/11/2022 10:40					0
01/11/2022 10:50					0
01/11/2022 11:00					0
01/11/2022 11:10					0
01/11/2022 11:20					0
01/11/2022 11:30					0
01/11/2022 11:40					0
01/11/2022 11:50					0
01/11/2022 12:00					0
01/11/2022 12:10					0
01/11/2022 12:20					0
01/11/2022 12:30					0
01/11/2022 12:40					0
01/11/2022 12:50					0
01/11/2022 13:00					0
01/11/2022 13:10					0
01/11/2022 13:20					0
01/11/2022 13:30					0
01/11/2022 13:40					0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/11/2022 13:50					0
01/11/2022 14:00					0
01/11/2022 14:10					0
01/11/2022 14:20					0
01/11/2022 14:30					0
01/11/2022 14:40					0
01/11/2022 14:50					0
01/11/2022 15:00					0
01/11/2022 15:10					0
01/11/2022 15:20					0
01/11/2022 15:30					0
01/11/2022 15:40					0
01/11/2022 15:50					0
01/11/2022 16:00					0
01/11/2022 16:10					0
01/11/2022 16:20					0
01/11/2022 16:30					0
01/11/2022 16:40					0
01/11/2022 16:50					0
01/11/2022 17:00					0
01/11/2022 17:10					0
01/11/2022 17:20					0
01/11/2022 17:30					0
01/11/2022 17:40					0
01/11/2022 17:50					0
01/11/2022 18:00					0
01/11/2022 18:10					0
01/11/2022 18:20					0
01/11/2022 18:30					0
01/11/2022 18:40					0
01/11/2022 18:50					0
01/11/2022 19:00					0
01/11/2022 19:10					0
01/11/2022 19:20					0
01/11/2022 19:30					0
01/11/2022 19:40					0
01/11/2022 19:50					0
01/11/2022 20:00					0
01/11/2022 20:10					0
01/11/2022 20:20					0
01/11/2022 20:30					0
01/11/2022 20:40					0
01/11/2022 20:50					0
01/11/2022 21:00					0
01/11/2022 21:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/11/2022 21:20					0
01/11/2022 21:30					0
01/11/2022 21:40					0
01/11/2022 21:50					0
01/11/2022 22:00					0
01/11/2022 22:10					0
01/11/2022 22:20					0
01/11/2022 22:30					0
01/11/2022 22:40					0
01/11/2022 22:50					0
01/11/2022 23:00					0
01/11/2022 23:10					0
01/11/2022 23:20					0
01/11/2022 23:30					0
01/11/2022 23:40					0
01/11/2022 23:50					0
02/11/2022 00:00					0
02/11/2022 00:10					0
02/11/2022 00:20					0
02/11/2022 00:30					0
02/11/2022 00:40					0
02/11/2022 00:50					0
02/11/2022 01:00					0
02/11/2022 01:10					0
02/11/2022 01:20					0
02/11/2022 01:30					0
02/11/2022 01:40					0
02/11/2022 01:50					0
02/11/2022 02:00					0
02/11/2022 02:10					0
02/11/2022 02:20					0
02/11/2022 02:30					0
02/11/2022 02:40					0
02/11/2022 02:50					0
02/11/2022 03:00					0
02/11/2022 03:10					0
02/11/2022 03:20					0
02/11/2022 03:30					0
02/11/2022 03:40					0
02/11/2022 03:50					0
02/11/2022 04:00					0
02/11/2022 04:10					0
02/11/2022 04:20					0
02/11/2022 04:30					0
02/11/2022 04:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/11/2022 04:50					0
02/11/2022 05:00					0
02/11/2022 05:10	0	221	0	0.4	0
02/11/2022 05:20	0.4	209	34	1.2	0
02/11/2022 05:30	0.8	211	23	1.2	0
02/11/2022 05:40	0.7	193	30	1.6	0
02/11/2022 05:50	1.1	227	12	1.7	0
02/11/2022 06:00					0
02/11/2022 06:10					0
02/11/2022 06:20					0
02/11/2022 06:30					0
02/11/2022 06:40					0
02/11/2022 06:50					0
02/11/2022 07:00					0
02/11/2022 07:10					0
02/11/2022 07:20					0
02/11/2022 07:30					0
02/11/2022 07:40					0
02/11/2022 07:50					0
02/11/2022 08:00					0
02/11/2022 08:10					0
02/11/2022 08:20					0
02/11/2022 08:30					0
02/11/2022 08:40					0
02/11/2022 08:50					0
02/11/2022 09:00					0
02/11/2022 09:10					0
02/11/2022 09:20					0
02/11/2022 09:30					0
02/11/2022 09:40					0
02/11/2022 09:50					0
02/11/2022 10:00					0
02/11/2022 10:10					0
02/11/2022 10:20					0
02/11/2022 10:30					0
02/11/2022 10:40					0
02/11/2022 10:50					0
02/11/2022 11:00					0
02/11/2022 11:10					0
02/11/2022 11:20					0
02/11/2022 11:30					0
02/11/2022 11:40					0
02/11/2022 11:50					0
02/11/2022 12:00					0
02/11/2022 12:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/11/2022 12:20					0
02/11/2022 12:30					0
02/11/2022 12:40					0
02/11/2022 12:50					0
02/11/2022 13:00					0
02/11/2022 13:10					0
02/11/2022 13:20					0
02/11/2022 13:30					0
02/11/2022 13:40					0
02/11/2022 13:50					0
02/11/2022 14:00					0
02/11/2022 14:10					0
02/11/2022 14:20					0
02/11/2022 14:30					0
02/11/2022 14:40					0
02/11/2022 14:50					0
02/11/2022 15:00					0
02/11/2022 15:10					0
02/11/2022 15:20					0
02/11/2022 15:30					0
02/11/2022 15:40					0
02/11/2022 15:50					0
02/11/2022 16:00					0
02/11/2022 16:10					0
02/11/2022 16:20					0
02/11/2022 16:30					0
02/11/2022 16:40					0
02/11/2022 16:50					0
02/11/2022 17:00					0
02/11/2022 17:10					0
02/11/2022 17:20					0
02/11/2022 17:30					0
02/11/2022 17:40					0
02/11/2022 17:50					0
02/11/2022 18:00					0
02/11/2022 18:10					0
02/11/2022 18:20					0
02/11/2022 18:30					0
02/11/2022 18:40					0
02/11/2022 18:50					0
02/11/2022 19:00					0
02/11/2022 19:10					0
02/11/2022 19:20					0
02/11/2022 19:30					0
02/11/2022 19:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/11/2022 19:50					0
02/11/2022 20:00					0
02/11/2022 20:10					0
02/11/2022 20:20	1.8	243	12	3.8	0
02/11/2022 20:30	2.8	246	12	3.7	0
02/11/2022 20:40	2.6	251	13	3.6	0
02/11/2022 20:50	2.8	247	12	3.7	0
02/11/2022 21:00	2.4	248	15	3.2	0
02/11/2022 21:10	2.7	251	13	3.4	0
02/11/2022 21:20	2	251	14	2.8	0
02/11/2022 21:30	2.1	258	14	3.2	0
02/11/2022 21:40	2.2	249	16	3.2	0
02/11/2022 21:50	2.1	251	16	2.9	0
02/11/2022 22:00	2.2	249	14	3.4	0
02/11/2022 22:10	2.1	247	15	3	0
02/11/2022 22:20	2.1	252	13	2.9	0
02/11/2022 22:30	2	257	15	2.8	0
02/11/2022 22:40	1.8	253	15	2.5	0
02/11/2022 22:50	1.9	257	12	2.5	0
02/11/2022 23:00	2.1	265	15	3.1	0
02/11/2022 23:10	2.2	261	15	3	0
02/11/2022 23:20	2.5	264	14	3.5	0
02/11/2022 23:30	2.5	263	14	3.5	0
02/11/2022 23:40	2.5	259	15	3.6	0
02/11/2022 23:50	2.5	257	14	3.6	0
03/11/2022 00:00	2.7	256	14	4	0
03/11/2022 00:10	2.6	256	16	4	0
03/11/2022 00:20	2.5	256	17	3.6	0
03/11/2022 00:30	2.1	257	17	3.2	0
03/11/2022 00:40	2.3	259	13	3.2	0
03/11/2022 00:50	2.1	261	17	3.2	0
03/11/2022 01:00	2.1	259	16	3.1	0
03/11/2022 01:10	2.3	261	14	3.2	0
03/11/2022 01:20	2.3	255	17	3.4	0
03/11/2022 01:30	2.2	248	17	3.3	0
03/11/2022 01:40	2.1	248	15	3.2	0
03/11/2022 01:50	2.1	244	15	3.3	0
03/11/2022 02:00	2.1	248	17	3.1	0
03/11/2022 02:10	2	254	16	3	0
03/11/2022 02:20	2.1	248	18	3.2	0
03/11/2022 02:30	1.7	243	18	2.4	0
03/11/2022 02:40	1.8	248	21	3.2	0
03/11/2022 02:50	2.1	264	15	3.1	0
03/11/2022 03:00	1.8	267	15	2.6	0
03/11/2022 03:10	2.3	261	16	3.5	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/11/2022 03:20	1.8	252	16	2.9	0
03/11/2022 03:30	2.4	244	17	3.8	0
03/11/2022 03:40	2.6	242	16	4	0
03/11/2022 03:50	1.8	248	19	2.8	0
03/11/2022 04:00	1.5	263	21	2.7	0
03/11/2022 04:10	1.8	270	17	2.8	0
03/11/2022 04:20	1.4	261	26	2.3	0
03/11/2022 04:30	1.1	259	26	2	0
03/11/2022 04:40	1.1	275	52	1.9	0
03/11/2022 04:50	0.9	146	52	1.5	0
03/11/2022 05:00	0.9	307	43	1.6	0
03/11/2022 05:10	1.3	320	18	2	0
03/11/2022 05:20	0.7	230	61	1.4	0
03/11/2022 05:30	0.7	321	34	1.1	0
03/11/2022 05:40	0.7	322	66	1.2	0
03/11/2022 05:50	0.5	207	39	1.4	0
03/11/2022 06:00	0.3	149	26	1	0
03/11/2022 06:10					0
03/11/2022 06:20					0
03/11/2022 06:30					0
03/11/2022 06:40					0
03/11/2022 06:50					0
03/11/2022 07:00					0
03/11/2022 07:10					0
03/11/2022 07:20					0
03/11/2022 07:30					0
03/11/2022 07:40					0
03/11/2022 07:50					0
03/11/2022 08:00					0
03/11/2022 08:10					0
03/11/2022 08:20					0
03/11/2022 08:30					0
03/11/2022 08:40					0
03/11/2022 08:50					0
03/11/2022 09:00					0
03/11/2022 09:10					0
03/11/2022 09:20					0
03/11/2022 09:30					0
03/11/2022 09:40					0
03/11/2022 09:50					0
03/11/2022 10:00					0
03/11/2022 10:10					0
03/11/2022 10:20					0
03/11/2022 10:30					0
03/11/2022 10:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/11/2022 10:50					0
03/11/2022 11:00					0
03/11/2022 11:10					0
03/11/2022 11:20					0
03/11/2022 11:30					0
03/11/2022 11:40					0
03/11/2022 11:50					0
03/11/2022 12:00					0
03/11/2022 12:10					0
03/11/2022 12:20					0
03/11/2022 12:30					0
03/11/2022 12:40					0
03/11/2022 12:50					0
03/11/2022 13:00					0
03/11/2022 13:10					0
03/11/2022 13:20					0
03/11/2022 13:30					0
03/11/2022 13:40					0
03/11/2022 13:50					0
03/11/2022 14:00					0
03/11/2022 14:10					0
03/11/2022 14:20					0
03/11/2022 14:30					0
03/11/2022 14:40					0
03/11/2022 14:50					0
03/11/2022 15:00					0
03/11/2022 15:10					0
03/11/2022 15:20					0
03/11/2022 15:30					0
03/11/2022 15:40					0
03/11/2022 15:50					0
03/11/2022 16:00					0
03/11/2022 16:10					0
03/11/2022 16:20					0
03/11/2022 16:30					0
03/11/2022 16:40					0
03/11/2022 16:50					0
03/11/2022 17:00					0
03/11/2022 17:10					0
03/11/2022 17:20					0
03/11/2022 17:30					0
03/11/2022 17:40					0
03/11/2022 17:50					0
03/11/2022 18:00					0
03/11/2022 18:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/11/2022 18:20					0
03/11/2022 18:30					0
03/11/2022 18:40					0
03/11/2022 18:50					0
03/11/2022 19:00					0
03/11/2022 19:10					0
03/11/2022 19:20					0
03/11/2022 19:30					0
03/11/2022 19:40					0
03/11/2022 19:50					0
03/11/2022 20:00					0
03/11/2022 20:10					0
03/11/2022 20:20					0
03/11/2022 20:30					0
03/11/2022 20:40					0
03/11/2022 20:50					0
03/11/2022 21:00					0
03/11/2022 21:10					0
03/11/2022 21:20					0
03/11/2022 21:30					0
03/11/2022 21:40					0
03/11/2022 21:50					0
03/11/2022 22:00					0
03/11/2022 22:10					0
03/11/2022 22:20					0
03/11/2022 22:30					0
03/11/2022 22:40					0
03/11/2022 22:50					0
03/11/2022 23:00					0
03/11/2022 23:10					0
03/11/2022 23:20					0
03/11/2022 23:30					0
03/11/2022 23:40					0
03/11/2022 23:50					0
04/11/2022 00:00					0
04/11/2022 00:10					0
04/11/2022 00:20					0
04/11/2022 00:30					0
04/11/2022 00:40					0
04/11/2022 00:50					0
04/11/2022 01:00					0
04/11/2022 01:10					0
04/11/2022 01:20					0
04/11/2022 01:30					0
04/11/2022 01:40					0





Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/11/2022 01:50					0
04/11/2022 02:00					0
04/11/2022 02:10					0
04/11/2022 02:20					0
04/11/2022 02:30					0
04/11/2022 02:40					0
04/11/2022 02:50					0
04/11/2022 03:00					0
04/11/2022 03:10					0
04/11/2022 03:20					0
04/11/2022 03:30					0
04/11/2022 03:40					0
04/11/2022 03:50					0
04/11/2022 04:00					0
04/11/2022 04:10					0
04/11/2022 04:20					0
04/11/2022 04:30					0
04/11/2022 04:40					0
04/11/2022 04:50					0
04/11/2022 05:00					0
04/11/2022 05:10					0
04/11/2022 05:20					0
04/11/2022 05:30					0
04/11/2022 05:40					0
04/11/2022 05:50					0
04/11/2022 06:00					0
04/11/2022 06:10					0
04/11/2022 06:20					0
04/11/2022 06:30					0
04/11/2022 06:40					0
04/11/2022 06:50					0
04/11/2022 07:00					0
04/11/2022 07:10					0
04/11/2022 07:20					0
04/11/2022 07:30					0
04/11/2022 07:40					0
04/11/2022 07:50					0
04/11/2022 08:00					0
04/11/2022 08:10					0
04/11/2022 08:20					0
04/11/2022 08:30					0
04/11/2022 08:40					0
04/11/2022 08:50					0
04/11/2022 09:00					0
04/11/2022 09:10					0



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/11/2022 09:20					0
04/11/2022 09:30					0
04/11/2022 09:40					0
04/11/2022 09:50					0
04/11/2022 10:00					0
04/11/2022 10:10					0
04/11/2022 10:20					0
04/11/2022 10:30					0
04/11/2022 10:40					0
04/11/2022 10:50					0
04/11/2022 11:00					0
04/11/2022 11:10					0
04/11/2022 11:20					0
04/11/2022 11:30					0
04/11/2022 11:40					0
04/11/2022 11:50					0
04/11/2022 12:00					0
04/11/2022 12:10					0
04/11/2022 12:20					0
04/11/2022 12:30					0
04/11/2022 12:40					0
04/11/2022 12:50					0
04/11/2022 13:00					0
04/11/2022 13:10					0
04/11/2022 13:20					0
04/11/2022 13:30					0
04/11/2022 13:40					0
04/11/2022 13:50					0
04/11/2022 14:00					0
04/11/2022 14:10					0
04/11/2022 14:20					0
04/11/2022 14:30					0
04/11/2022 14:40					0
04/11/2022 14:50					0
04/11/2022 15:00					0
04/11/2022 15:10					0
04/11/2022 15:20					0
04/11/2022 15:30					0
04/11/2022 15:40					0
04/11/2022 15:50					0
04/11/2022 16:00					0
04/11/2022 16:10					0
04/11/2022 16:20					0
04/11/2022 16:30					0
04/11/2022 16:40					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/11/2022 16:50					0
04/11/2022 17:00					0
04/11/2022 17:10					0
04/11/2022 17:20					0
04/11/2022 17:30					0
04/11/2022 17:40					0
04/11/2022 17:50					0
04/11/2022 18:00					0
04/11/2022 18:10	2.2	261	19	3.5	0
04/11/2022 18:20	2.5	261	21	3.7	0
04/11/2022 18:30	2	268	26	3.4	0
04/11/2022 18:40	1.9	263	28	3.5	0
04/11/2022 18:50	2.3	245	16	3.6	0
04/11/2022 19:00					0
04/11/2022 19:10					0
04/11/2022 19:20	0	252	0	0.9	0
04/11/2022 19:30					0
04/11/2022 19:40					0
04/11/2022 19:50					0
04/11/2022 20:00					0
04/11/2022 20:10					0
04/11/2022 20:20					0
04/11/2022 20:30					0
04/11/2022 20:40					0
04/11/2022 20:50					0
04/11/2022 21:00					0
04/11/2022 21:10	3.3	257	16	4.3	0
04/11/2022 21:20	3.9	255	14	5.3	0
04/11/2022 21:30	3.9	256	13	5.3	0
04/11/2022 21:40	4	254	12	5.2	0
04/11/2022 21:50	4.1	254	14	5.6	0
04/11/2022 22:00	4	254	14	5.6	0
04/11/2022 22:10	4	254	14	5.4	0
04/11/2022 22:20	3.9	254	13	5.4	0
04/11/2022 22:30	4	250	14	5.4	0
04/11/2022 22:40	4	253	13	5.5	0
04/11/2022 22:50	3.8	256	15	6	0
04/11/2022 23:00	3.6	255	15	5	0
04/11/2022 23:10	3.4	254	15	5.1	0
04/11/2022 23:20	3.9	254	15	5.9	0
04/11/2022 23:30	4.2	255	16	6	0
04/11/2022 23:40	4.2	255	14	5.7	0
04/11/2022 23:50	4.3	252	13	5.8	0
05/11/2022 00:00	4.6	252	14	6.3	0
05/11/2022 00:10	4.4	256	12	6.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/11/2022 00:20	4.5	255	13	5.9	0
05/11/2022 00:30	4.2	251	17	5.6	0
05/11/2022 00:40	4.4	255	15	6	0
05/11/2022 00:50	4.2	256	13	5.8	0
05/11/2022 01:00	3.7	254	14	5.2	0
05/11/2022 01:10	3.9	252	16	5.6	0
05/11/2022 01:20	3.8	254	12	5.3	0
05/11/2022 01:30	3.6	252	17	5	0
05/11/2022 01:40	3.2	254	13	4.3	0
05/11/2022 01:50	3.3	253	10	4.5	0
05/11/2022 02:00	3.5	252	12	4.8	0
05/11/2022 02:10	3.4	255	15	5.2	0
05/11/2022 02:20	3.7	255	12	5.2	0
05/11/2022 02:30	3.6	255	15	4.7	0
05/11/2022 02:40	3.8	252	14	5.3	0
05/11/2022 02:50	3.5	254	15	4.8	0
05/11/2022 03:00	3.2	253	16	4.8	0
05/11/2022 03:10	3.3	252	14	4.6	0
05/11/2022 03:20	2.8	249	16	4.3	0
05/11/2022 03:30	2.9	251	16	4.4	0
05/11/2022 03:40	2.9	250	15	4	0
05/11/2022 03:50	2.8	249	14	3.8	0
05/11/2022 04:00	2.4	251	16	3.3	0
05/11/2022 04:10	2.2	258	15	3.5	0
05/11/2022 04:20	2.5	253	14	3.6	0
05/11/2022 04:30	2.7	255	14	4.2	0
05/11/2022 04:40	2.8	256	15	4	0
05/11/2022 04:50	2.3	255	15	3.5	0
05/11/2022 05:00	2.6	257	13	3.6	0
05/11/2022 05:10	2.7	256	14	3.8	0
05/11/2022 05:20	2.4	254	14	3.4	0
05/11/2022 05:30	2.1	258	17	3.6	0
05/11/2022 05:40	2.1	256	16	2.8	0
05/11/2022 05:50	1.9	258	18	2.9	0
05/11/2022 06:00	2	252	16	2.7	0
05/11/2022 06:10	2.2	248	13	2.9	0
05/11/2022 06:20	0.6	249	9	2.7	0
05/11/2022 06:30					0
05/11/2022 06:40					0
05/11/2022 06:50					0
05/11/2022 07:00					0
05/11/2022 07:10					0
05/11/2022 07:20					0
05/11/2022 07:30					0
05/11/2022 07:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/11/2022 07:50					0
05/11/2022 08:00					0
05/11/2022 08:10					0
05/11/2022 08:20					0
05/11/2022 08:30					0
05/11/2022 08:40					0
05/11/2022 08:50					0
05/11/2022 09:00					0
05/11/2022 09:10					0
05/11/2022 09:20					0
05/11/2022 09:30					0
05/11/2022 09:40					0
05/11/2022 09:50					0
05/11/2022 10:00					0
05/11/2022 10:10					0
05/11/2022 10:20					0
05/11/2022 10:30					0
05/11/2022 10:40					0
05/11/2022 10:50					0
05/11/2022 11:00					0
05/11/2022 11:10					0
05/11/2022 11:20					0
05/11/2022 11:30					0
05/11/2022 11:40					0
05/11/2022 11:50					0
05/11/2022 12:00					0
05/11/2022 12:10					0
05/11/2022 12:20					0
05/11/2022 12:30					0
05/11/2022 12:40					0
05/11/2022 12:50					0
05/11/2022 13:00					0
05/11/2022 13:10					0
05/11/2022 13:20					0
05/11/2022 13:30					0
05/11/2022 13:40					0
05/11/2022 13:50					0
05/11/2022 14:00					0
05/11/2022 14:10					0
05/11/2022 14:20					0
05/11/2022 14:30					0
05/11/2022 14:40					0
05/11/2022 14:50					0
05/11/2022 15:00					0
05/11/2022 15:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/11/2022 15:20					0
05/11/2022 15:30					0
05/11/2022 15:40					0
05/11/2022 15:50					0
05/11/2022 16:00					0
05/11/2022 16:10					0
05/11/2022 16:20					0
05/11/2022 16:30					0
05/11/2022 16:40					0
05/11/2022 16:50					0
05/11/2022 17:00					0
05/11/2022 17:10					0
05/11/2022 17:20					0
05/11/2022 17:30					0
05/11/2022 17:40					0
05/11/2022 17:50					0
05/11/2022 18:00					0
05/11/2022 18:10					0
05/11/2022 18:20					0
05/11/2022 18:30					0
05/11/2022 18:40					0
05/11/2022 18:50					0
05/11/2022 19:00					0
05/11/2022 19:10					0
05/11/2022 19:20					0
05/11/2022 19:30					0
05/11/2022 19:40					0
05/11/2022 19:50					0
05/11/2022 20:00					0
05/11/2022 20:10	1.7	279	31	3.9	0
05/11/2022 20:20	2.3	289	34	4.4	0
05/11/2022 20:30	2.4	263	33	4.1	0
05/11/2022 20:40	2.9	257	22	4.2	0
05/11/2022 20:50	2.5	267	23	4.1	0
05/11/2022 21:00	3	261	16	5.2	0
05/11/2022 21:10					0
05/11/2022 21:20					0
05/11/2022 21:30					0
05/11/2022 21:40	4	251	19	6.2	0
05/11/2022 21:50	3.8	253	18	6	0
05/11/2022 22:00	3.2	247	21	4.8	0
05/11/2022 22:10	3.2	252	13	4.9	0
05/11/2022 22:20	3.5	261	14	5	0
05/11/2022 22:30	3.5	260	19	5.2	0
05/11/2022 22:40	3.6	257	19	5.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/11/2022 22:50	3.5	257	16	5.2	0
05/11/2022 23:00	3.5	259	19	5.2	0
05/11/2022 23:10	3.7	260	16	5.8	0
05/11/2022 23:20	3.6	256	17	5.7	0
05/11/2022 23:30	3.9	260	17	5.4	0
05/11/2022 23:40	4	261	16	6	0
05/11/2022 23:50	4.5	256	14	6.3	0
06/11/2022 00:00	3.7	256	18	5.5	0
06/11/2022 00:10	4	249	14	5.8	0
06/11/2022 00:20	3.7	256	19	5.9	0
06/11/2022 00:30	4	255	17	6.5	0
06/11/2022 00:40	3.7	258	19	5.6	0
06/11/2022 00:50	3.9	255	17	5.9	0
06/11/2022 01:00	3.9	255	17	6	0
06/11/2022 01:10	3.9	250	18	6	0
06/11/2022 01:20	4.1	252	15	6.1	0
06/11/2022 01:30	4	254	15	6	0
06/11/2022 01:40	3.9	255	18	5.9	0
06/11/2022 01:50	4	257	14	6.4	0
06/11/2022 02:00	4.3	256	14	6.4	0
06/11/2022 02:10	3.7	256	17	5.6	0
06/11/2022 02:20	3.8	250	19	5.6	0
06/11/2022 02:30	3.6	249	16	5.4	0
06/11/2022 02:40	3.6	247	17	5.2	0
06/11/2022 02:50	4.2	247	19	6.4	0
06/11/2022 03:00	3.8	257	17	5.8	0
06/11/2022 03:10	3.7	252	19	5.4	0
06/11/2022 03:20	3.9	255	16	5.7	0
06/11/2022 03:30	3.9	252	17	5.6	0
06/11/2022 03:40	3.9	254	18	5.6	0
06/11/2022 03:50	3.9	246	18	6.3	0
06/11/2022 04:00	3.6	244	19	5.3	0
06/11/2022 04:10	3.9	248	17	6.1	0
06/11/2022 04:20	4	247	16	5.5	0
06/11/2022 04:30	4.4	240	16	6.2	0
06/11/2022 04:40	4	241	15	6	0
06/11/2022 04:50	3.9	245	17	6.1	0
06/11/2022 05:00	4.7	247	18	7.5	0
06/11/2022 05:10	4.5	252	18	6.8	0
06/11/2022 05:20	4.4	246	18	7.2	0
06/11/2022 05:30	3.8	240	17	6	0
06/11/2022 05:40	3.7	244	16	5	0
06/11/2022 05:50	4.4	245	18	7.1	0
06/11/2022 06:00	4.5	245	18	6.5	0
06/11/2022 06:10	4.2	241	19	6.6	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/11/2022 06:20	4.1	237	14	6	0
06/11/2022 06:30	3.1	231	18	4.4	0
06/11/2022 06:40	3.4	245	16	4.6	0
06/11/2022 06:50	3.7	241	19	5.2	0
06/11/2022 07:00	4.4	251	15	6.3	0
06/11/2022 07:10	3.8	241	20	5.6	0
06/11/2022 07:20	3.6	242	16	4.9	0
06/11/2022 07:30	3.5	245	17	5.4	0
06/11/2022 07:40	3.7	242	18	5.4	0
06/11/2022 07:50	4.3	245	18	6	0
06/11/2022 08:00	4.4	251	16	6.2	0
06/11/2022 08:10	3.9	250	17	6	0
06/11/2022 08:20	4	248	15	5.6	0
06/11/2022 08:30	3.4	248	17	4.9	0
06/11/2022 08:40	2.2	253	17	3.5	0
06/11/2022 08:50					0
06/11/2022 09:00					0
06/11/2022 09:10					0
06/11/2022 09:20					0
06/11/2022 09:30					0
06/11/2022 09:40					0
06/11/2022 09:50					0
06/11/2022 10:00					0
06/11/2022 10:10					0
06/11/2022 10:20					0
06/11/2022 10:30					0
06/11/2022 10:40					0
06/11/2022 10:50					0
06/11/2022 11:00					0
06/11/2022 11:10					0
06/11/2022 11:20					0
06/11/2022 11:30					0
06/11/2022 11:40					0
06/11/2022 11:50					0
06/11/2022 12:00					0
06/11/2022 12:10					0
06/11/2022 12:20					0
06/11/2022 12:30					0
06/11/2022 12:40					0
06/11/2022 12:50					0
06/11/2022 13:00					0
06/11/2022 13:10					0
06/11/2022 13:20					0
06/11/2022 13:30					0
06/11/2022 13:40					0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/11/2022 13:50					0
06/11/2022 14:00					0
06/11/2022 14:10					0
06/11/2022 14:20					0
06/11/2022 14:30					0
06/11/2022 14:40					0
06/11/2022 14:50					0
06/11/2022 15:00					0
06/11/2022 15:10					0
06/11/2022 15:20					0
06/11/2022 15:30					0
06/11/2022 15:40					0
06/11/2022 15:50					0
06/11/2022 16:00					0
06/11/2022 16:10					0
06/11/2022 16:20					0
06/11/2022 16:30					0
06/11/2022 16:40					0
06/11/2022 16:50					0
06/11/2022 17:00					0
06/11/2022 17:10					0
06/11/2022 17:20					0
06/11/2022 17:30					0
06/11/2022 17:40					0
06/11/2022 17:50					0
06/11/2022 18:00					0
06/11/2022 18:10					0
06/11/2022 18:20	3.9	256	21	7	0
06/11/2022 18:30	4.3	260	23	6.8	0
06/11/2022 18:40	4.1	254	16	6.4	0
06/11/2022 18:50	3.8	255	17	6	0
06/11/2022 19:00	4.1	255	18	6.8	0
06/11/2022 19:10	4.2	255	16	6.5	0
06/11/2022 19:20	4.8	250	18	6.8	0
06/11/2022 19:30	4.6	251	19	7.7	0
06/11/2022 19:40	4.6	251	18	6.5	0
06/11/2022 19:50	3.9	255	20	6	0
06/11/2022 20:00	3.9	258	19	6.8	0
06/11/2022 20:10	4.5	252	17	7.4	0
06/11/2022 20:20	4.3	255	18	6.8	0
06/11/2022 20:30	4.6	253	19	7.3	0
06/11/2022 20:40	4.1	254	20	6.7	0
06/11/2022 20:50	3.9	254	22	6.1	0
06/11/2022 21:00	4.4	259	16	6.4	0
06/11/2022 21:10	4.6	252	19	7.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/11/2022 21:20	4.4	250	14	6.3	0
06/11/2022 21:30	4.3	256	20	6.5	0
06/11/2022 21:40	5.2	252	16	7.5	0
06/11/2022 21:50	4.1	254	19	6.5	0
06/11/2022 22:00	4.7	255	20	8.2	0
06/11/2022 22:10	5	252	18	7.5	0
06/11/2022 22:20	5.3	249	17	7.6	0
06/11/2022 22:30	4.5	252	19	6.9	0
06/11/2022 22:40	4.7	251	19	7.1	0
06/11/2022 22:50	5.3	253	16	7.9	0
06/11/2022 23:00	5.2	251	14	7.6	0
06/11/2022 23:10	5.4	251	14	7.9	0
06/11/2022 23:20	5.7	250	17	8.7	0
06/11/2022 23:30	4.6	249	17	7.4	0
06/11/2022 23:40	5.4	254	17	7.5	0
06/11/2022 23:50	4.9	248	19	7.5	0
07/11/2022 00:00	5.7	255	17	7.5	0
07/11/2022 00:10	5	245	17	7	0
07/11/2022 00:20	5.6	250	15	7.6	0
07/11/2022 00:30	5.1	249	16	7.1	0
07/11/2022 00:40	5.7	251	16	7.9	0
07/11/2022 00:50	5.2	247	16	7.8	0
07/11/2022 01:00	4.8	251	16	7.3	0
07/11/2022 01:10	4.4	241	18	6.5	0
07/11/2022 01:20	4.6	248	19	7.3	0
07/11/2022 01:30	5	242	20	7.3	0
07/11/2022 01:40	3.9	232	21	6	0
07/11/2022 01:50	4.2	238	18	5.6	0
07/11/2022 02:00	5.2	240	16	7.5	0
07/11/2022 02:10	4.8	241	17	7.5	0
07/11/2022 02:20	4.7	237	18	7.8	0
07/11/2022 02:30	4.7	240	15	6.8	0
07/11/2022 02:40	5.3	237	18	7.6	0
07/11/2022 02:50	4.4	238	18	7	0
07/11/2022 03:00	4.8	234	19	7.3	0
07/11/2022 03:10	5.7	238	15	8.2	0
07/11/2022 03:20	5.2	240	16	7.5	0
07/11/2022 03:30	5.4	239	18	7.5	0
07/11/2022 03:40	5.1	240	19	7.8	0
07/11/2022 03:50	5.8	239	18	8.3	0
07/11/2022 04:00	5.2	237	19	7.9	0
07/11/2022 04:10	5.5	237	18	8.3	0
07/11/2022 04:20	5.1	240	19	7.2	0
07/11/2022 04:30	5.9	236	17	8.5	0
07/11/2022 04:40	5.4	240	19	8	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/11/2022 04:50	5.4	239	18	8.2	0
07/11/2022 05:00	5.2	237	16	7.5	0
07/11/2022 05:10	5.6	236	19	8.4	0
07/11/2022 05:20	5.5	236	17	8.2	0
07/11/2022 05:30	5.4	239	17	8.2	0
07/11/2022 05:40	4.7	235	18	7.5	0
07/11/2022 05:50	5.5	239	17	7.7	0
07/11/2022 06:00	5	237	15	7.2	0
07/11/2022 06:10	5	235	16	7.3	0
07/11/2022 06:20	4.6	235	16	7.2	0
07/11/2022 06:30					0
07/11/2022 06:40					0
07/11/2022 06:50					0
07/11/2022 07:00					0
07/11/2022 07:10					0
07/11/2022 07:20					0
07/11/2022 07:30					0
07/11/2022 07:40					0
07/11/2022 07:50					0
07/11/2022 08:00					0
07/11/2022 08:10					0
07/11/2022 08:20					0
07/11/2022 08:30					0
07/11/2022 08:40					0
07/11/2022 08:50					0
07/11/2022 09:00					0
07/11/2022 09:10					0
07/11/2022 09:20					0
07/11/2022 09:30					0
07/11/2022 09:40					0
07/11/2022 09:50					0
07/11/2022 10:00					0
07/11/2022 10:10					0
07/11/2022 10:20					0
07/11/2022 10:30					0
07/11/2022 10:40					0
07/11/2022 10:50					0
07/11/2022 11:00					0
07/11/2022 11:10					0
07/11/2022 11:20					0
07/11/2022 11:30					0
07/11/2022 11:40					0
07/11/2022 11:50					0
07/11/2022 12:00					0
07/11/2022 12:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/11/2022 12:20					0
07/11/2022 12:30					0
07/11/2022 12:40					0
07/11/2022 12:50					0
07/11/2022 13:00					0
07/11/2022 13:10					0
07/11/2022 13:20					0
07/11/2022 13:30					0
07/11/2022 13:40					0
07/11/2022 13:50					0
07/11/2022 14:00					0
07/11/2022 14:10					0
07/11/2022 14:20					0
07/11/2022 14:30					0
07/11/2022 14:40					0
07/11/2022 14:50					0
07/11/2022 15:00					0
07/11/2022 15:10					0
07/11/2022 15:20					0
07/11/2022 15:30					0
07/11/2022 15:40					0
07/11/2022 15:50					0
07/11/2022 16:00					0
07/11/2022 16:10					0
07/11/2022 16:20					0
07/11/2022 16:30					0
07/11/2022 16:40					0
07/11/2022 16:50					0
07/11/2022 17:00					0
07/11/2022 17:10					0
07/11/2022 17:20					0
07/11/2022 17:30					0
07/11/2022 17:40					0
07/11/2022 17:50					0
07/11/2022 18:00					0
07/11/2022 18:10					0
07/11/2022 18:20					0
07/11/2022 18:30					0
07/11/2022 18:40					0
07/11/2022 18:50					0
07/11/2022 19:00					0
07/11/2022 19:10					0
07/11/2022 19:20					0
07/11/2022 19:30					0
07/11/2022 19:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/11/2022 19:50					0
07/11/2022 20:00					0
07/11/2022 20:10					0
07/11/2022 20:20					0
07/11/2022 20:30					0
07/11/2022 20:40					0
07/11/2022 20:50					0
07/11/2022 21:00					0
07/11/2022 21:10					0
07/11/2022 21:20					0
07/11/2022 21:30					0
07/11/2022 21:40					0
07/11/2022 21:50					0
07/11/2022 22:00					0
07/11/2022 22:10					0
07/11/2022 22:20					0
07/11/2022 22:30					0
07/11/2022 22:40					0
07/11/2022 22:50					0
07/11/2022 23:00					0
07/11/2022 23:10					0
07/11/2022 23:20					0
07/11/2022 23:30					0
07/11/2022 23:40					0
07/11/2022 23:50					0
08/11/2022 00:00					0
08/11/2022 00:10					0
08/11/2022 00:20					0
08/11/2022 00:30					0
08/11/2022 00:40					0
08/11/2022 00:50					0
08/11/2022 01:00					0
08/11/2022 01:10	3.1	245	11	7.5	0
08/11/2022 01:20	4.9	246	18	7.8	0
08/11/2022 01:30	4.9	240	18	7.6	0
08/11/2022 01:40	4.8	239	18	7.6	0
08/11/2022 01:50	5.4	237	15	8.2	0
08/11/2022 02:00	4.6	240	16	6.5	0
08/11/2022 02:10	4.9	239	16	7.5	0
08/11/2022 02:20	4.3	243	17	6.6	0
08/11/2022 02:30	4.6	238	18	7	0
08/11/2022 02:40	4.5	247	19	7.2	0
08/11/2022 02:50	4.6	240	18	7.2	0
08/11/2022 03:00	4.6	239	19	7	0
08/11/2022 03:10	4.3	246	17	6.9	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/11/2022 03:20	4.7	234	15	7.5	0
08/11/2022 03:30	4.6	233	16	7.3	0
08/11/2022 03:40	4.2	233	18	6.2	0
08/11/2022 03:50	4.1	238	16	6.2	0
08/11/2022 04:00	4	241	17	6.3	0
08/11/2022 04:10	3.8	242	20	6.2	0
08/11/2022 04:20	4	237	17	5.6	0
08/11/2022 04:30	4	233	16	5.9	0
08/11/2022 04:40	4	234	18	5.7	0
08/11/2022 04:50	4	236	16	5.6	0
08/11/2022 05:00	3.6	236	20	6	0
08/11/2022 05:10	3.7	235	18	5.8	0
08/11/2022 05:20	3.8	243	19	6.8	0
08/11/2022 05:30	3.6	246	18	6	0
08/11/2022 05:40	4.2	241	20	6.6	0
08/11/2022 05:50	4.3	237	19	6.2	0
08/11/2022 06:00	4.4	234	17	7	0
08/11/2022 06:10	4.8	233	17	7	0
08/11/2022 06:20	3.1	237	14	6.4	0
08/11/2022 06:30					0
08/11/2022 06:40					0
08/11/2022 06:50					0
08/11/2022 07:00					0
08/11/2022 07:10					0
08/11/2022 07:20					0
08/11/2022 07:30					0
08/11/2022 07:40					0
08/11/2022 07:50					0
08/11/2022 08:00					0
08/11/2022 08:10					0
08/11/2022 08:20					0
08/11/2022 08:30					0
08/11/2022 08:40					0
08/11/2022 08:50					0
08/11/2022 09:00					0
08/11/2022 09:10					0
08/11/2022 09:20					0
08/11/2022 09:30					0
08/11/2022 09:40					0
08/11/2022 09:50					0
08/11/2022 10:00					0
08/11/2022 10:10					0
08/11/2022 10:20					0
08/11/2022 10:30					0
08/11/2022 10:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/11/2022 10:50					0
08/11/2022 11:00					0
08/11/2022 11:10					0
08/11/2022 11:20					0
08/11/2022 11:30					0
08/11/2022 11:40					0
08/11/2022 11:50					0
08/11/2022 12:00					0
08/11/2022 12:10					0
08/11/2022 12:20					0
08/11/2022 12:30					0
08/11/2022 12:40					0
08/11/2022 12:50					0
08/11/2022 13:00					0
08/11/2022 13:10					0
08/11/2022 13:20					0
08/11/2022 13:30					0
08/11/2022 13:40					0
08/11/2022 13:50					0
08/11/2022 14:00					0
08/11/2022 14:10					0
08/11/2022 14:20					0
08/11/2022 14:30					0
08/11/2022 14:40					0
08/11/2022 14:50					0
08/11/2022 15:00					0
08/11/2022 15:10					0
08/11/2022 15:20					0
08/11/2022 15:30					0
08/11/2022 15:40					0
08/11/2022 15:50					0
08/11/2022 16:00					0
08/11/2022 16:10					0
08/11/2022 16:20					0
08/11/2022 16:30					0
08/11/2022 16:40					0
08/11/2022 16:50					0
08/11/2022 17:00					0
08/11/2022 17:10					0
08/11/2022 17:20					0
08/11/2022 17:30					0
08/11/2022 17:40					0
08/11/2022 17:50					0
08/11/2022 18:00					0
08/11/2022 18:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/11/2022 18:20					0
08/11/2022 18:30					0
08/11/2022 18:40					0
08/11/2022 18:50					0
08/11/2022 19:00					0
08/11/2022 19:10					0
08/11/2022 19:20					0
08/11/2022 19:30					0
08/11/2022 19:40					0
08/11/2022 19:50					0
08/11/2022 20:00					0
08/11/2022 20:10					0
08/11/2022 20:20					0
08/11/2022 20:30					0
08/11/2022 20:40					0
08/11/2022 20:50					0
08/11/2022 21:00					0
08/11/2022 21:10					0
08/11/2022 21:20					0
08/11/2022 21:30					0
08/11/2022 21:40					0
08/11/2022 21:50					0
08/11/2022 22:00					0
08/11/2022 22:10					0
08/11/2022 22:20					0
08/11/2022 22:30					0
08/11/2022 22:40					0
08/11/2022 22:50					0
08/11/2022 23:00					0
08/11/2022 23:10					0
08/11/2022 23:20					0
08/11/2022 23:30					0
08/11/2022 23:40					0
08/11/2022 23:50					0
09/11/2022 00:00					0
09/11/2022 00:10					0
09/11/2022 00:20	2.3	247	15	6.4	0
09/11/2022 00:30	1.7	255	7	7.9	0
09/11/2022 00:40					0
09/11/2022 00:50					0
09/11/2022 01:00					0
09/11/2022 01:10	0.4	239	5	4.4	0
09/11/2022 01:20	1.1	236	7	6.7	0
09/11/2022 01:30	3.4	244	15	6.7	0
09/11/2022 01:40	4.9	237	18	7.2	0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/11/2022 01:50	4.3	244	17	6.1	0
09/11/2022 02:00	4.9	240	17	6.9	0
09/11/2022 02:10	4.6	238	17	7	0
09/11/2022 02:20	4.5	241	17	6.6	0
09/11/2022 02:30	4.9	238	18	6.8	0
09/11/2022 02:40	5.1	242	14	7.4	0
09/11/2022 02:50	4.5	240	20	6.9	0
09/11/2022 03:00	4	241	19	6.9	0
09/11/2022 03:10	4.2	241	17	5.6	0
09/11/2022 03:20	3.6	248	16	5.5	0
09/11/2022 03:30	3.5	250	17	5.4	0
09/11/2022 03:40	4	254	14	5.9	0
09/11/2022 03:50	3.7	257	15	5.6	0
09/11/2022 04:00	3.9	257	14	5.2	0
09/11/2022 04:10	4.2	253	14	5.6	0
09/11/2022 04:20	4	250	14	5.6	0
09/11/2022 04:30	3.8	245	15	5.4	0
09/11/2022 04:40	3.7	245	16	6	0
09/11/2022 04:50	3.5	249	19	5.5	0
09/11/2022 05:00	3.3	247	16	4.8	0
09/11/2022 05:10	3.4	252	15	4.8	0
09/11/2022 05:20	3.2	254	14	4.8	0
09/11/2022 05:30	3	253	14	4.3	0
09/11/2022 05:40	2.8	250	17	4.5	0
09/11/2022 05:50	3	249	19	4.4	0
09/11/2022 06:00	2.6	249	16	4.1	0
09/11/2022 06:10	2.8	247	17	4.2	0
09/11/2022 06:20	2.5	245	14	4.1	0
09/11/2022 06:30					0
09/11/2022 06:40					0
09/11/2022 06:50					0
09/11/2022 07:00					0
09/11/2022 07:10					0
09/11/2022 07:20					0
09/11/2022 07:30					0
09/11/2022 07:40					0
09/11/2022 07:50					0
09/11/2022 08:00					0
09/11/2022 08:10					0
09/11/2022 08:20					0
09/11/2022 08:30					0
09/11/2022 08:40					0
09/11/2022 08:50					0
09/11/2022 09:00					0
09/11/2022 09:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/11/2022 09:20					0
09/11/2022 09:30					0
09/11/2022 09:40					0
09/11/2022 09:50					0
09/11/2022 10:00					0
09/11/2022 10:10					0
09/11/2022 10:20					0
09/11/2022 10:30					0
09/11/2022 10:40					0
09/11/2022 10:50					0
09/11/2022 11:00					0
09/11/2022 11:10					0
09/11/2022 11:20					0
09/11/2022 11:30					0
09/11/2022 11:40					0
09/11/2022 11:50					0
09/11/2022 12:00					0
09/11/2022 12:10					0
09/11/2022 12:20					0
09/11/2022 12:30					0
09/11/2022 12:40					0
09/11/2022 12:50					0
09/11/2022 13:00					0
09/11/2022 13:10					0
09/11/2022 13:20					0
09/11/2022 13:30					0
09/11/2022 13:40					0
09/11/2022 13:50					0
09/11/2022 14:00					0
09/11/2022 14:10					0
09/11/2022 14:20					0
09/11/2022 14:30					0
09/11/2022 14:40					0
09/11/2022 14:50					0
09/11/2022 15:00					0
09/11/2022 15:10					0
09/11/2022 15:20					0
09/11/2022 15:30					0
09/11/2022 15:40					0
09/11/2022 15:50					0
09/11/2022 16:00					0
09/11/2022 16:10					0
09/11/2022 16:20					0
09/11/2022 16:30					0
09/11/2022 16:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/11/2022 16:50					0
09/11/2022 17:00					0
09/11/2022 17:10					0
09/11/2022 17:20					0
09/11/2022 17:30					0
09/11/2022 17:40					0
09/11/2022 17:50					0
09/11/2022 18:00					0
09/11/2022 18:10					0
09/11/2022 18:20					0
09/11/2022 18:30					0
09/11/2022 18:40					0
09/11/2022 18:50					0
09/11/2022 19:00					0
09/11/2022 19:10					0
09/11/2022 19:20					0
09/11/2022 19:30					0
09/11/2022 19:40					0
09/11/2022 19:50					0
09/11/2022 20:00					0
09/11/2022 20:10					0
09/11/2022 20:20					0
09/11/2022 20:30					0
09/11/2022 20:40					0
09/11/2022 20:50					0
09/11/2022 21:00					0
09/11/2022 21:10					0
09/11/2022 21:20					0
09/11/2022 21:30					0
09/11/2022 21:40					0
09/11/2022 21:50					0
09/11/2022 22:00	2	248	10	7.6	0
09/11/2022 22:10					0
09/11/2022 22:20					0
09/11/2022 22:30	1.8	249	10	7.8	0
09/11/2022 22:40					0
09/11/2022 22:50					0
09/11/2022 23:00					0
09/11/2022 23:10					0
09/11/2022 23:20					0
09/11/2022 23:30					0
09/11/2022 23:40					0
09/11/2022 23:50					0
10/11/2022 00:00					0
10/11/2022 00:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/11/2022 00:20					0
10/11/2022 00:30					0
10/11/2022 00:40					0
10/11/2022 00:50					0
10/11/2022 01:00					0
10/11/2022 01:10	2.9	235	19	6	0
10/11/2022 01:20	2.5	241	14	5.9	0
10/11/2022 01:30	4.5	245	16	6.8	0
10/11/2022 01:40	4.7	247	17	7.3	0
10/11/2022 01:50	5	241	19	8.4	0
10/11/2022 02:00	4.9	245	16	7.2	0
10/11/2022 02:10	5	241	19	7.5	0
10/11/2022 02:20	4.9	239	16	7.5	0
10/11/2022 02:30	5.3	241	18	8.4	0
10/11/2022 02:40	4.7	243	17	7.5	0
10/11/2022 02:50	5.1	242	18	7.7	0
10/11/2022 03:00	4.9	243	16	7.7	0
10/11/2022 03:10	4.7	246	16	8.2	0
10/11/2022 03:20	4.8	239	17	8	0
10/11/2022 03:30	5.1	242	18	7.5	0
10/11/2022 03:40	5.2	245	18	7.5	0
10/11/2022 03:50	5.3	238	17	7.9	0
10/11/2022 04:00	5.1	237	17	7.2	0
10/11/2022 04:10	4.9	238	16	7.7	0
10/11/2022 04:20	5.1	237	18	7.6	0
10/11/2022 04:30	4.5	239	18	7.5	0
10/11/2022 04:40	4.9	239	17	7.8	0
10/11/2022 04:50	4.9	237	19	7.2	0
10/11/2022 05:00	5.2	242	17	7.6	0
10/11/2022 05:10	4.8	242	17	7.1	0
10/11/2022 05:20	4.8	239	18	7.2	0
10/11/2022 05:30	5.2	236	16	7.1	0
10/11/2022 05:40	4.7	237	18	7.8	0
10/11/2022 05:50	4	247	19	5.8	0
10/11/2022 06:00	4.4	241	21	6.4	0
10/11/2022 06:10	4.8	239	17	6.8	0
10/11/2022 06:20	4.6	239	20	6.8	0
10/11/2022 06:30					0
10/11/2022 06:40					0
10/11/2022 06:50					0
10/11/2022 07:00					0
10/11/2022 07:10					0
10/11/2022 07:20					0
10/11/2022 07:30					0
10/11/2022 07:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/11/2022 07:50					0
10/11/2022 08:00					0
10/11/2022 08:10					0
10/11/2022 08:20					0
10/11/2022 08:30					0
10/11/2022 08:40					0
10/11/2022 08:50					0
10/11/2022 09:00					0
10/11/2022 09:10					0
10/11/2022 09:20					0
10/11/2022 09:30					0
10/11/2022 09:40					0
10/11/2022 09:50					0
10/11/2022 10:00					0
10/11/2022 10:10					0
10/11/2022 10:20					0
10/11/2022 10:30					0
10/11/2022 10:40					0
10/11/2022 10:50					0
10/11/2022 11:00					0
10/11/2022 11:10					0
10/11/2022 11:20					0
10/11/2022 11:30					0
10/11/2022 11:40					0
10/11/2022 11:50					0
10/11/2022 12:00					0
10/11/2022 12:10					0
10/11/2022 12:20					0
10/11/2022 12:30					0
10/11/2022 12:40					0
10/11/2022 12:50					0
10/11/2022 13:00					0
10/11/2022 13:10					0
10/11/2022 13:20					0
10/11/2022 13:30					0
10/11/2022 13:40					0
10/11/2022 13:50					0
10/11/2022 14:00					0
10/11/2022 14:10					0
10/11/2022 14:20					0
10/11/2022 14:30					0
10/11/2022 14:40					0
10/11/2022 14:50					0
10/11/2022 15:00					0
10/11/2022 15:10					0



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/11/2022 15:20					0
10/11/2022 15:30					0
10/11/2022 15:40					0
10/11/2022 15:50					0
10/11/2022 16:00					0
10/11/2022 16:10					0
10/11/2022 16:20					0
10/11/2022 16:30					0
10/11/2022 16:40					0
10/11/2022 16:50					0
10/11/2022 17:00					0
10/11/2022 17:10					0
10/11/2022 17:20					0
10/11/2022 17:30					0
10/11/2022 17:40					0
10/11/2022 17:50					0
10/11/2022 18:00					0
10/11/2022 18:10					0
10/11/2022 18:20					0
10/11/2022 18:30					0
10/11/2022 18:40					0
10/11/2022 18:50					0
10/11/2022 19:00					0
10/11/2022 19:10					0
10/11/2022 19:20					0
10/11/2022 19:30					0
10/11/2022 19:40					0
10/11/2022 19:50					0
10/11/2022 20:00					0
10/11/2022 20:10					0
10/11/2022 20:20					0
10/11/2022 20:30					0
10/11/2022 20:40					0
10/11/2022 20:50					0
10/11/2022 21:00					0
10/11/2022 21:10					0
10/11/2022 21:20					0
10/11/2022 21:30					0
10/11/2022 21:40					0
10/11/2022 21:50					0
10/11/2022 22:00					0
10/11/2022 22:10					0
10/11/2022 22:20					0
10/11/2022 22:30					0
10/11/2022 22:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/11/2022 22:50					0
10/11/2022 23:00					0
10/11/2022 23:10					0
10/11/2022 23:20					0
10/11/2022 23:30					0
10/11/2022 23:40					0
10/11/2022 23:50					0
11/11/2022 00:00					0
11/11/2022 00:10	0.9	258	5	6.5	0
11/11/2022 00:20					0
11/11/2022 00:30					0
11/11/2022 00:40					0
11/11/2022 00:50	2.7	242	15	8.7	0
11/11/2022 01:00	3.3	241	17	7.9	0
11/11/2022 01:10	4	251	14	6.5	0
11/11/2022 01:20					0
11/11/2022 01:30					0
11/11/2022 01:40	2.3	241	13	5.6	0
11/11/2022 01:50	4.5	244	19	7	0
11/11/2022 02:00	4.7	245	19	6.8	0
11/11/2022 02:10	4.4	244	20	6.5	0
11/11/2022 02:20	4.1	235	18	6.7	0
11/11/2022 02:30	4.5	237	18	6.4	0
11/11/2022 02:40	4	241	18	7	0
11/11/2022 02:50	4.1	241	20	6.8	0
11/11/2022 03:00	4.7	244	17	6.7	0
11/11/2022 03:10	4	241	19	5.6	0
11/11/2022 03:20	4.6	236	17	7	0
11/11/2022 03:30	4.4	239	18	6.4	0
11/11/2022 03:40	3.9	243	15	5.7	0
11/11/2022 03:50	4.2	241	20	6.6	0
11/11/2022 04:00	4.3	242	18	6.3	0
11/11/2022 04:10	4.4	239	15	6.4	0
11/11/2022 04:20	4.3	241	20	6.2	0
11/11/2022 04:30	4.1	242	19	6	0
11/11/2022 04:40	3.9	237	15	6.5	0
11/11/2022 04:50	3.7	240	18	5.6	0
11/11/2022 05:00	4.1	245	15	6.5	0
11/11/2022 05:10	4.1	246	18	6.3	0
11/11/2022 05:20	3.9	241	16	6	0
11/11/2022 05:30	3.9	241	18	6.2	0
11/11/2022 05:40	3.6	242	18	5.4	0
11/11/2022 05:50	3.9	246	16	5.6	0
11/11/2022 06:00	3.8	245	16	5.6	0
11/11/2022 06:10	2.6	243	15	6.5	0



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/11/2022 06:20					0
11/11/2022 06:30					0
11/11/2022 06:40					0
11/11/2022 06:50					0
11/11/2022 07:00					0
11/11/2022 07:10					0
11/11/2022 07:20					0
11/11/2022 07:30					0
11/11/2022 07:40					0
11/11/2022 07:50					0
11/11/2022 08:00					0
11/11/2022 08:10					0
11/11/2022 08:20					0
11/11/2022 08:30					0
11/11/2022 08:40					0
11/11/2022 08:50					0
11/11/2022 09:00					0
11/11/2022 09:10					0
11/11/2022 09:20					0
11/11/2022 09:30					0
11/11/2022 09:40					0
11/11/2022 09:50					0
11/11/2022 10:00					0
11/11/2022 10:10					0
11/11/2022 10:20					0
11/11/2022 10:30					0
11/11/2022 10:40					0
11/11/2022 10:50					0
11/11/2022 11:00					0
11/11/2022 11:10					0
11/11/2022 11:20					0
11/11/2022 11:30					0
11/11/2022 11:40					0
11/11/2022 11:50					0
11/11/2022 12:00					0
11/11/2022 12:10					0
11/11/2022 12:20					0
11/11/2022 12:30					0
11/11/2022 12:40					0
11/11/2022 12:50					0
11/11/2022 13:00					0
11/11/2022 13:10					0
11/11/2022 13:20					0
11/11/2022 13:30					0
11/11/2022 13:40					0





Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/11/2022 13:50					0
11/11/2022 14:00					0
11/11/2022 14:10					0
11/11/2022 14:20					0
11/11/2022 14:30					0
11/11/2022 14:40					0
11/11/2022 14:50					0
11/11/2022 15:00					0
11/11/2022 15:10					0
11/11/2022 15:20					0
11/11/2022 15:30					0
11/11/2022 15:40					0
11/11/2022 15:50					0
11/11/2022 16:00					0
11/11/2022 16:10					0
11/11/2022 16:20					0
11/11/2022 16:30					0
11/11/2022 16:40					0
11/11/2022 16:50					0
11/11/2022 17:00					0
11/11/2022 17:10					0
11/11/2022 17:20					0
11/11/2022 17:30					0
11/11/2022 17:40					0
11/11/2022 17:50					0
11/11/2022 18:00					0
11/11/2022 18:10					0
11/11/2022 18:20					0
11/11/2022 18:30					0
11/11/2022 18:40					0
11/11/2022 18:50					0
11/11/2022 19:00					0
11/11/2022 19:10					0
11/11/2022 19:20					0
11/11/2022 19:30					0
11/11/2022 19:40					0
11/11/2022 19:50					0
11/11/2022 20:00					0
11/11/2022 20:10					0
11/11/2022 20:20					0
11/11/2022 20:30					0
11/11/2022 20:40					0
11/11/2022 20:50					0
11/11/2022 21:00					0
11/11/2022 21:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/11/2022 21:20					0
11/11/2022 21:30					0
11/11/2022 21:40					0
11/11/2022 21:50					0
11/11/2022 22:00					0
11/11/2022 22:10					0
11/11/2022 22:20					0
11/11/2022 22:30					0
11/11/2022 22:40					0
11/11/2022 22:50					0
11/11/2022 23:00					0
11/11/2022 23:10					0
11/11/2022 23:20					0
11/11/2022 23:30					0
11/11/2022 23:40					0
11/11/2022 23:50					0
12/11/2022 00:00	1.7	255	9	6.8	0
12/11/2022 00:10					0
12/11/2022 00:20	2.1	247	15	5.7	0
12/11/2022 00:30	4.3	255	17	6.4	0
12/11/2022 00:40	4.5	253	17	6.8	0
12/11/2022 00:50	4.2	251	17	6.6	0
12/11/2022 01:00	4	250	18	5.8	0
12/11/2022 01:10	3.8	251	17	5.8	0
12/11/2022 01:20	4	248	17	5.9	0
12/11/2022 01:30	3.9	253	15	5.6	0
12/11/2022 01:40	3.5	252	17	5.5	0
12/11/2022 01:50	3.9	250	14	5.6	0
12/11/2022 02:00	3.6	249	17	5.3	0
12/11/2022 02:10	3.9	256	18	5.8	0
12/11/2022 02:20	4	254	17	6	0
12/11/2022 02:30	4.4	255	14	5.9	0
12/11/2022 02:40	4.4	256	16	6.4	0
12/11/2022 02:50	4.2	254	17	6	0
12/11/2022 03:00	4	253	17	5.8	0
12/11/2022 03:10	4.1	251	18	6.2	0
12/11/2022 03:20	3.7	253	16	5.9	0
12/11/2022 03:30	3.8	250	14	5.4	0
12/11/2022 03:40	3.9	254	17	5.6	0
12/11/2022 03:50	3.9	256	15	5.3	0
12/11/2022 04:00	4.1	257	14	5.4	0
12/11/2022 04:10	3.4	261	13	4.8	0
12/11/2022 04:20	3.2	264	14	5.1	0
12/11/2022 04:30	3.3	266	15	4.9	0
12/11/2022 04:40	3.2	274	18	4.4	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/11/2022 04:50	3.1	273	19	4.6	0
12/11/2022 05:00	3.2	267	15	5.2	0
12/11/2022 05:10	2.9	261	15	4.4	0
12/11/2022 05:20	2.6	266	17	3.6	0
12/11/2022 05:30	2.6	273	17	3.5	0
12/11/2022 05:40	2.7	276	18	3.9	0
12/11/2022 05:50	2.7	281	15	4.1	0
12/11/2022 06:00					0
12/11/2022 06:10					0
12/11/2022 06:20					0
12/11/2022 06:30					0
12/11/2022 06:40					0
12/11/2022 06:50					0
12/11/2022 07:00					0
12/11/2022 07:10					0
12/11/2022 07:20					0
12/11/2022 07:30					0
12/11/2022 07:40					0
12/11/2022 07:50					0
12/11/2022 08:00					0
12/11/2022 08:10					0
12/11/2022 08:20					0
12/11/2022 08:30					0
12/11/2022 08:40					0
12/11/2022 08:50					0
12/11/2022 09:00					0
12/11/2022 09:10					0
12/11/2022 09:20					0
12/11/2022 09:30					0
12/11/2022 09:40					0
12/11/2022 09:50					0
12/11/2022 10:00					0
12/11/2022 10:10					0
12/11/2022 10:20					0
12/11/2022 10:30					0
12/11/2022 10:40					0
12/11/2022 10:50					0
12/11/2022 11:00					0
12/11/2022 11:10					0
12/11/2022 11:20					0
12/11/2022 11:30					0
12/11/2022 11:40					0
12/11/2022 11:50					0
12/11/2022 12:00					0
12/11/2022 12:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/11/2022 12:20					0
12/11/2022 12:30					0
12/11/2022 12:40					0
12/11/2022 12:50					0
12/11/2022 13:00					0
12/11/2022 13:10					0
12/11/2022 13:20					0
12/11/2022 13:30					0
12/11/2022 13:40					0
12/11/2022 13:50					0
12/11/2022 14:00					0
12/11/2022 14:10					0
12/11/2022 14:20					0
12/11/2022 14:30					0
12/11/2022 14:40					0
12/11/2022 14:50					0
12/11/2022 15:00					0
12/11/2022 15:10					0
12/11/2022 15:20					0
12/11/2022 15:30					0
12/11/2022 15:40					0
12/11/2022 15:50					0
12/11/2022 16:00					0
12/11/2022 16:10					0
12/11/2022 16:20					0
12/11/2022 16:30					0
12/11/2022 16:40					0
12/11/2022 16:50					0
12/11/2022 17:00					0
12/11/2022 17:10					0
12/11/2022 17:20	3.1	284	38	5.6	0
12/11/2022 17:30	3.6	256	22	5.9	0
12/11/2022 17:40	3.8	261	20	5.8	0
12/11/2022 17:50	4	255	18	6.4	0
12/11/2022 18:00	3.1	260	21	5.2	0
12/11/2022 18:10	4	252	16	5.9	0
12/11/2022 18:20	3.6	253	17	5.9	0
12/11/2022 18:30	2.2	265	14	6.4	0
12/11/2022 18:40	4	254	17	5.6	0
12/11/2022 18:50	4.3	257	19	6.9	0
12/11/2022 19:00	4.1	255	17	6.3	0
12/11/2022 19:10	4.3	256	17	6.5	0
12/11/2022 19:20	4.7	254	19	7.2	0
12/11/2022 19:30	4.4	250	14	6.3	0
12/11/2022 19:40	4.5	253	20	7.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/11/2022 19:50	4.3	255	14	6.6	0
12/11/2022 20:00	4.3	257	17	7.2	0
12/11/2022 20:10	4.3	256	18	6.8	0
12/11/2022 20:20	4.8	259	15	7.5	0
12/11/2022 20:30	5.3	254	19	7.5	0
12/11/2022 20:40	5	254	17	6.9	0
12/11/2022 20:50	5.2	254	16	8.7	0
12/11/2022 21:00	4.8	256	16	6.7	0
12/11/2022 21:10	4.4	258	19	7	0
12/11/2022 21:20	4	260	16	6	0
12/11/2022 21:30	4.3	258	17	6.2	0
12/11/2022 21:40	4.3	261	17	6.4	0
12/11/2022 21:50	4	259	19	6.1	0
12/11/2022 22:00	4	258	17	5.7	0
12/11/2022 22:10	3.7	262	19	6.2	0
12/11/2022 22:20	4.1	257	17	5.9	0
12/11/2022 22:30	4	261	18	5.7	0
12/11/2022 22:40	3.9	258	16	5.6	0
12/11/2022 22:50	4.3	261	18	6.5	0
12/11/2022 23:00	4.1	260	19	6.5	0
12/11/2022 23:10	4.2	262	16	6	0
12/11/2022 23:20	4.3	257	15	6.1	0
12/11/2022 23:30	3.9	260	16	5.9	0
12/11/2022 23:40	4.3	259	15	6.5	0
12/11/2022 23:50	4	259	17	5.9	0
13/11/2022 00:00	3.9	261	17	5.9	0
13/11/2022 00:10	4.2	260	15	6.2	0
13/11/2022 00:20	4.5	256	15	6.2	0
13/11/2022 00:30	4	262	13	5.6	0
13/11/2022 00:40	4.4	257	14	6	0
13/11/2022 00:50	3.9	261	18	5.2	0
13/11/2022 01:00	4	257	17	5.7	0
13/11/2022 01:10	4.1	261	15	5.8	0
13/11/2022 01:20	4	261	14	5.7	0
13/11/2022 01:30	3.9	263	12	5.8	0
13/11/2022 01:40	3.9	257	15	5.6	0
13/11/2022 01:50	3.9	263	13	5.8	0
13/11/2022 02:00	3.8	261	16	5.2	0
13/11/2022 02:10	3.5	257	14	5	0
13/11/2022 02:20	3.2	257	13	4.8	0
13/11/2022 02:30	3.7	261	11	5.4	0
13/11/2022 02:40	3.5	262	14	4.6	0
13/11/2022 02:50	2.8	257	14	4	0
13/11/2022 03:00	3.1	255	13	4.4	0
13/11/2022 03:10	2.7	256	14	3.6	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/11/2022 03:20	2.7	261	15	4	0
13/11/2022 03:30	2.4	275	21	3.7	0
13/11/2022 03:40	2.7	274	22	4.2	0
13/11/2022 03:50	3.1	276	17	4	0
13/11/2022 04:00	2.9	268	16	4	0
13/11/2022 04:10	2.9	261	16	4.4	0
13/11/2022 04:20	2.7	259	15	3.9	0
13/11/2022 04:30	2	249	20	3.8	0
13/11/2022 04:40	1.9	241	24	2.8	0
13/11/2022 04:50	2	253	22	2.9	0
13/11/2022 05:00	1.7	265	20	3.2	0
13/11/2022 05:10	1.5	243	55	2.4	0
13/11/2022 05:20	1.5	226	38	3	0
13/11/2022 05:30	1.3	229	48	2.4	0
13/11/2022 05:40	1.3	213	24	1.8	0
13/11/2022 05:50	1.2	216	14	1.6	0
13/11/2022 06:00	0.4	200	30	1.7	0
13/11/2022 06:10					0
13/11/2022 06:20					0
13/11/2022 06:30					0
13/11/2022 06:40					0
13/11/2022 06:50					0
13/11/2022 07:00					0
13/11/2022 07:10					0
13/11/2022 07:20					0
13/11/2022 07:30					0
13/11/2022 07:40					0
13/11/2022 07:50					0
13/11/2022 08:00					0
13/11/2022 08:10					0
13/11/2022 08:20					0
13/11/2022 08:30					0
13/11/2022 08:40					0
13/11/2022 08:50					0
13/11/2022 09:00					0
13/11/2022 09:10					0
13/11/2022 09:20					0
13/11/2022 09:30					0
13/11/2022 09:40					0
13/11/2022 09:50					0
13/11/2022 10:00					0
13/11/2022 10:10					0
13/11/2022 10:20					0
13/11/2022 10:30					0
13/11/2022 10:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/11/2022 10:50					0
13/11/2022 11:00					0
13/11/2022 11:10					0
13/11/2022 11:20					0
13/11/2022 11:30					0
13/11/2022 11:40					0
13/11/2022 11:50					0
13/11/2022 12:00					0
13/11/2022 12:10					0
13/11/2022 12:20					0
13/11/2022 12:30					0
13/11/2022 12:40					0
13/11/2022 12:50					0
13/11/2022 13:00					0
13/11/2022 13:10					0
13/11/2022 13:20					0
13/11/2022 13:30					0
13/11/2022 13:40					0
13/11/2022 13:50					0
13/11/2022 14:00					0
13/11/2022 14:10					0
13/11/2022 14:20					0
13/11/2022 14:30					0
13/11/2022 14:40					0
13/11/2022 14:50					0
13/11/2022 15:00					0
13/11/2022 15:10					0
13/11/2022 15:20					0
13/11/2022 15:30					0
13/11/2022 15:40					0
13/11/2022 15:50					0
13/11/2022 16:00					0
13/11/2022 16:10					0
13/11/2022 16:20					0
13/11/2022 16:30					0
13/11/2022 16:40					0
13/11/2022 16:50					0
13/11/2022 17:00					0
13/11/2022 17:10					0
13/11/2022 17:20					0
13/11/2022 17:30					0
13/11/2022 17:40					0
13/11/2022 17:50					0
13/11/2022 18:00					0
13/11/2022 18:10					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/11/2022 18:20	1.7	272	40	3.6	0
13/11/2022 18:30	2.3	266	38	3.6	0
13/11/2022 18:40	1.9	286	46	3.9	0
13/11/2022 18:50	2.1	282	42	3.7	0
13/11/2022 19:00	1.9	280	41	3.2	0
13/11/2022 19:10	1.9	266	36	3.2	0
13/11/2022 19:20	2	252	26	3.3	0
13/11/2022 19:30	2.2	252	19	3.3	0
13/11/2022 19:40	2.5	244	14	4.1	0
13/11/2022 19:50	2.4	247	16	4.4	0
13/11/2022 20:00	2.5	245	16	4.2	0
13/11/2022 20:10	2.8	243	14	4.2	0
13/11/2022 20:20	2.8	240	14	4.1	0
13/11/2022 20:30	2.2	242	16	3.6	0
13/11/2022 20:40	2	242	17	2.9	0
13/11/2022 20:50	1.7	244	13	2.2	0
13/11/2022 21:00	1.9	251	14	2.6	0
13/11/2022 21:10	1.9	258	17	2.8	0
13/11/2022 21:20	1.9	257	17	2.7	0
13/11/2022 21:30	1.6	249	13	2.7	0
13/11/2022 21:40	1.3	258	20	2	0
13/11/2022 21:50	1.8	257	16	2.6	0
13/11/2022 22:00	1.3	272	24	1.9	0
13/11/2022 22:10	1.6	273	21	2.3	0
13/11/2022 22:20	1.9	266	21	2.9	0
13/11/2022 22:30	1.9	258	18	3.4	0
13/11/2022 22:40	2.4	257	16	3.4	0
13/11/2022 22:50	2.4	252	14	3.2	0
13/11/2022 23:00	2.4	254	14	3.5	0
13/11/2022 23:10	2.6	255	12	3.6	0
13/11/2022 23:20	2.4	260	16	3.4	0
13/11/2022 23:30	2.4	259	15	3.4	0
13/11/2022 23:40	2.6	261	13	3.6	0
13/11/2022 23:50	2.3	259	16	3.2	0
14/11/2022 00:00	2.4	263	16	3.2	0
14/11/2022 00:10	2.2	266	17	3	0
14/11/2022 00:20	2	270	19	2.8	0
14/11/2022 00:30	2.4	263	15	3.2	0
14/11/2022 00:40	2.4	260	14	3.3	0
14/11/2022 00:50	2.6	262	13	3.5	0
14/11/2022 01:00	2.4	260	14	3.2	0
14/11/2022 01:10	1.6	275	19	2.5	0
14/11/2022 01:20	1.4	274	19	2.1	0
14/11/2022 01:30	1.5	267	22	2.6	0
14/11/2022 01:40	1.2	294	36	2.3	0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/11/2022 01:50	1.3	311	30	2.1	0
14/11/2022 02:00	0.9	299	53	2	0
14/11/2022 02:10	1.1	279	40	2.2	0
14/11/2022 02:20	1	267	40	1.8	0
14/11/2022 02:30	0.9	258	30	1.7	0
14/11/2022 02:40	1	281	49	1.6	0
14/11/2022 02:50	1.1	269	31	1.6	0
14/11/2022 03:00	0.9	272	28	1.6	0
14/11/2022 03:10	0.8	272	34	1.3	0
14/11/2022 03:20	1.4	319	22	2.6	0
14/11/2022 03:30	0.8	283	44	1.6	0
14/11/2022 03:40	0.9	324	36	1.5	0
14/11/2022 03:50	0.5	278	33	1.2	0
14/11/2022 04:00	0.6	290	23	1.3	0
14/11/2022 04:10	0.5	292	31	1.2	0
14/11/2022 04:20	0.7	238	35	1.2	0
14/11/2022 04:30	0.1	151	8	0.5	0
14/11/2022 04:40	0.5	208	30	1	0
14/11/2022 04:50	1	274	41	1.8	0
14/11/2022 05:00	1.3	324	41	2.2	0
14/11/2022 05:10	1.4	326	24	2.3	0
14/11/2022 05:20	1.8	325	16	2.6	0
14/11/2022 05:30	1.4	320	18	2.1	0
14/11/2022 05:40	1.2	319	23	2.1	0
14/11/2022 05:50	0.2	329	6	2	0
14/11/2022 06:00					0
14/11/2022 06:10					0
14/11/2022 06:20					0
14/11/2022 06:30					0
14/11/2022 06:40					0
14/11/2022 06:50					0
14/11/2022 07:00					0
14/11/2022 07:10					0
14/11/2022 07:20					0
14/11/2022 07:30					0
14/11/2022 07:40					0
14/11/2022 07:50					0
14/11/2022 08:00					0
14/11/2022 08:10					0
14/11/2022 08:20					0
14/11/2022 08:30					0
14/11/2022 08:40					0
14/11/2022 08:50					0
14/11/2022 09:00					0
14/11/2022 09:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/11/2022 09:20					0
14/11/2022 09:30					0
14/11/2022 09:40					0
14/11/2022 09:50					0
14/11/2022 10:00					0
14/11/2022 10:10					0
14/11/2022 10:20					0
14/11/2022 10:30					0
14/11/2022 10:40					0
14/11/2022 10:50					0
14/11/2022 11:00					0
14/11/2022 11:10					0
14/11/2022 11:20					0
14/11/2022 11:30					0
14/11/2022 11:40					0
14/11/2022 11:50					0
14/11/2022 12:00					0
14/11/2022 12:10					0
14/11/2022 12:20					0
14/11/2022 12:30					0
14/11/2022 12:40					0
14/11/2022 12:50					0
14/11/2022 13:00					0
14/11/2022 13:10					0
14/11/2022 13:20					0
14/11/2022 13:30					0
14/11/2022 13:40					0
14/11/2022 13:50					0
14/11/2022 14:00					0
14/11/2022 14:10					0
14/11/2022 14:20					0
14/11/2022 14:30					0
14/11/2022 14:40					0
14/11/2022 14:50					0
14/11/2022 15:00					0
14/11/2022 15:10					0
14/11/2022 15:20					0
14/11/2022 15:30					0
14/11/2022 15:40					0
14/11/2022 15:50					0
14/11/2022 16:00					0
14/11/2022 16:10					0
14/11/2022 16:20					0
14/11/2022 16:30					0
14/11/2022 16:40					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/11/2022 16:50					0
14/11/2022 17:00					0
14/11/2022 17:10					0
14/11/2022 17:20					0
14/11/2022 17:30					0
14/11/2022 17:40					0
14/11/2022 17:50					0
14/11/2022 18:00					0
14/11/2022 18:10					0
14/11/2022 18:20	3.2	314	22	5.1	0
14/11/2022 18:30	3.2	315	20	5.2	0
14/11/2022 18:40	2.4	298	35	4	0
14/11/2022 18:50	2.3	301	35	4.3	0
14/11/2022 19:00	2.2	294	38	4	0
14/11/2022 19:10	2	287	40	3.3	0
14/11/2022 19:20	1.7	289	46	3	0
14/11/2022 19:30	2.2	272	31	3.6	0
14/11/2022 19:40	2.3	263	30	3.6	0
14/11/2022 19:50	2.2	264	26	3.7	0
14/11/2022 20:00	2.8	252	20	4	0
14/11/2022 20:10	2.7	249	18	3.7	0
14/11/2022 20:20	2.3	259	25	3.2	0
14/11/2022 20:30	2.3	261	22	3.3	0
14/11/2022 20:40	2.1	259	19	3.3	0
14/11/2022 20:50	2.5	251	15	3.7	0
14/11/2022 21:00	2.1	258	23	3.3	0
14/11/2022 21:10	2.2	260	19	3.3	0
14/11/2022 21:20	1.9	262	22	2.8	0
14/11/2022 21:30	1.7	262	18	2.4	0
14/11/2022 21:40	2.4	254	17	3.6	0
14/11/2022 21:50	2.5	249	14	3.9	0
14/11/2022 22:00	2.5	249	15	3.3	0
14/11/2022 22:10	2.3	253	16	3.2	0
14/11/2022 22:20	2.5	255	16	4.2	0
14/11/2022 22:30	2.4	253	15	3.6	0
14/11/2022 22:40	2.4	253	17	3.5	0
14/11/2022 22:50	2.9	252	14	4.1	0
14/11/2022 23:00	3	250	15	4.7	0
14/11/2022 23:10	2.8	249	15	4.2	0
14/11/2022 23:20	3.2	251	19	4.7	0
14/11/2022 23:30	3.4	246	14	5	0
14/11/2022 23:40	3.7	251	16	5.1	0
14/11/2022 23:50	3	253	14	4.5	0
15/11/2022 00:00	2.9	250	15	4.4	0
15/11/2022 00:10	3.3	250	11	4.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/11/2022 00:20	3.3	248	14	4.4	0
15/11/2022 00:30	3.2	247	16	5.3	0
15/11/2022 00:40	3.4	250	15	4.6	0
15/11/2022 00:50	2.8	249	16	4.2	0
15/11/2022 01:00	2.8	249	18	4	0
15/11/2022 01:10	2.8	248	17	4.2	0
15/11/2022 01:20	2.2	241	15	3.2	0
15/11/2022 01:30	2.3	244	15	3.3	0
15/11/2022 01:40	2.4	240	15	3.5	0
15/11/2022 01:50	1.9	227	18	3	0
15/11/2022 02:00	1.9	224	15	2.5	0
15/11/2022 02:10	2.1	235	18	3.2	0
15/11/2022 02:20	2.3	235	17	3.2	0
15/11/2022 02:30	1.9	236	18	2.6	0
15/11/2022 02:40	1.7	246	14	2.4	0
15/11/2022 02:50	1.8	247	17	2.5	0
15/11/2022 03:00	1.5	244	14	2.1	0
15/11/2022 03:10	1.4	256	17	2.4	0
15/11/2022 03:20	0.9	259	19	1.4	0
15/11/2022 03:30	0.5	249	22	0.8	0
15/11/2022 03:40	1.2	270	16	2	0
15/11/2022 03:50	1.4	256	14	2.3	0
15/11/2022 04:00	1.8	247	10	2.2	0
15/11/2022 04:10	2.2	246	12	3.2	0
15/11/2022 04:20	1.5	270	19	2.1	0
15/11/2022 04:30	1.2	266	20	1.7	0
15/11/2022 04:40	0.9	263	17	1.5	0
15/11/2022 04:50	1.1	276	22	1.6	0
15/11/2022 05:00	0.8	272	19	1.5	0
15/11/2022 05:10	1.3	252	21	2	0
15/11/2022 05:20	1.7	253	14	2.5	0
15/11/2022 05:30	1.5	254	17	2.3	0
15/11/2022 05:40	1.2	247	22	2.1	0
15/11/2022 05:50	0.8	193	27	1.2	0
15/11/2022 06:00	0.6	135	32	1.1	0
15/11/2022 06:10	0.9	234	26	1.7	0
15/11/2022 06:20	0.6	272	19	1	0
15/11/2022 06:30	0.7	231	22	1.2	0
15/11/2022 06:40	0.3	193	24	1.1	0
15/11/2022 06:50	0.5	182	23	1.3	0
15/11/2022 07:00	0.8	109	34	1.4	0
15/11/2022 07:10	0.7	95	20	1.2	0
15/11/2022 07:20					0
15/11/2022 07:30					0
15/11/2022 07:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/11/2022 07:50					0
15/11/2022 08:00					0
15/11/2022 08:10					0
15/11/2022 08:20					0
15/11/2022 08:30					0
15/11/2022 08:40					0
15/11/2022 08:50					0
15/11/2022 09:00					0
15/11/2022 09:10					0
15/11/2022 09:20					0
15/11/2022 09:30					0
15/11/2022 09:40					0
15/11/2022 09:50					0
15/11/2022 10:00					0
15/11/2022 10:10					0
15/11/2022 10:20					0
15/11/2022 10:30					0
15/11/2022 10:40					0
15/11/2022 10:50					0
15/11/2022 11:00					0
15/11/2022 11:10					0
15/11/2022 11:20					0
15/11/2022 11:30					0
15/11/2022 11:40					0
15/11/2022 11:50					0
15/11/2022 12:00					0
15/11/2022 12:10					0
15/11/2022 12:20					0
15/11/2022 12:30					0
15/11/2022 12:40					0
15/11/2022 12:50					0
15/11/2022 13:00					0
15/11/2022 13:10					0
15/11/2022 13:20					0
15/11/2022 13:30					0
15/11/2022 13:40					0
15/11/2022 13:50					0
15/11/2022 14:00					0
15/11/2022 14:10					0
15/11/2022 14:20					0
15/11/2022 14:30					0
15/11/2022 14:40					0
15/11/2022 14:50					0
15/11/2022 15:00					0
15/11/2022 15:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/11/2022 15:20					0
15/11/2022 15:30					0
15/11/2022 15:40					0
15/11/2022 15:50					0
15/11/2022 16:00					0
15/11/2022 16:10					0
15/11/2022 16:20					0
15/11/2022 16:30					0
15/11/2022 16:40					0
15/11/2022 16:50					0
15/11/2022 17:00					0
15/11/2022 17:10					0
15/11/2022 17:20					0
15/11/2022 17:30					0
15/11/2022 17:40					0
15/11/2022 17:50					0
15/11/2022 18:00					0
15/11/2022 18:10	2.6	323	32	4.3	0
15/11/2022 18:20	2.1	324	40	4	0
15/11/2022 18:30	2.3	307	40	4.3	0
15/11/2022 18:40	2.4	325	38	4.5	0
15/11/2022 18:50	2.4	323	38	4.5	0
15/11/2022 19:00	2.7	323	29	4.5	0
15/11/2022 19:10	1.9	303	43	3.7	0
15/11/2022 19:20	2.3	309	35	3.9	0
15/11/2022 19:30	2.1	320	33	4.1	0
15/11/2022 19:40	2	284	54	3.2	0
15/11/2022 19:50	2.1	300	45	4.2	0
15/11/2022 20:00	2.1	297	44	4.4	0
15/11/2022 20:10	1.8	265	37	3.2	0
15/11/2022 20:20	2.1	264	34	3.8	0
15/11/2022 20:30	2.1	262	39	3.4	0
15/11/2022 20:40	2.3	248	23	3.4	0
15/11/2022 20:50	2.3	260	23	3.5	0
15/11/2022 21:00	2	271	36	3.5	0
15/11/2022 21:10	2.5	247	17	3.7	0
15/11/2022 21:20	2.1	253	22	3.6	0
15/11/2022 21:30	2	259	24	3.2	0
15/11/2022 21:40	1.9	260	31	3.6	0
15/11/2022 21:50	2.5	246	20	3.9	0
15/11/2022 22:00	2.4	247	18	3.5	0
15/11/2022 22:10	2.7	244	16	3.8	0
15/11/2022 22:20	2.4	254	20	3.7	0
15/11/2022 22:30	2	256	19	3.2	0
15/11/2022 22:40	2.3	258	16	3.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/11/2022 22:50	1.9	253	21	3.2	0
15/11/2022 23:00	1.8	263	31	3.1	0
15/11/2022 23:10	1.6	266	29	2.7	0
15/11/2022 23:20	1.8	265	33	2.9	0
15/11/2022 23:30	2.2	252	20	3.2	0
15/11/2022 23:40	1.8	276	38	3.1	0
15/11/2022 23:50	2	256	24	3.5	0
16/11/2022 00:00	1.8	257	21	2.6	0
16/11/2022 00:10	2.1	255	27	3.6	0
16/11/2022 00:20	2	249	20	3.2	0
16/11/2022 00:30	2.3	248	25	3.2	0
16/11/2022 00:40	1.4	276	34	2.7	0
16/11/2022 00:50	1.5	261	26	2.7	0
16/11/2022 01:00	1.4	268	43	2.6	0
16/11/2022 01:10	1.6	265	29	2.9	0
16/11/2022 01:20	1.7	279	35	2.9	0
16/11/2022 01:30	1.8	261	26	3.2	0
16/11/2022 01:40	1.7	263	32	2.9	0
16/11/2022 01:50	1.7	249	19	3	0
16/11/2022 02:00	1.5	252	19	2.6	0
16/11/2022 02:10	1.6	255	23	2.8	0
16/11/2022 02:20	1.6	260	23	2.8	0
16/11/2022 02:30	1.8	258	25	2.9	0
16/11/2022 02:40	1.8	259	23	2.8	0
16/11/2022 02:50	1.6	255	20	2.6	0
16/11/2022 03:00	2.7	250	15	3.8	0
16/11/2022 03:10	2.4	256	18	3.5	0
16/11/2022 03:20	1.9	263	23	3.2	0
16/11/2022 03:30	1.5	263	29	2.7	0
16/11/2022 03:40	1.8	259	18	2.5	0
16/11/2022 03:50	1.6	258	21	2.4	0
16/11/2022 04:00	1.3	264	24	2.1	0
16/11/2022 04:10	1.1	272	20	1.8	0
16/11/2022 04:20	1.6	275	24	2.5	0
16/11/2022 04:30	1.4	263	24	2.2	0
16/11/2022 04:40	1.5	260	22	2.6	0
16/11/2022 04:50	1.5	255	20	2.4	0
16/11/2022 05:00	1.5	248	16	2.3	0
16/11/2022 05:10	1.3	254	21	2	0
16/11/2022 05:20	1.2	255	16	1.8	0
16/11/2022 05:30	1.4	256	23	2	0
16/11/2022 05:40	1.4	251	17	2	0
16/11/2022 05:50	1.2	267	25	1.7	0
16/11/2022 06:00	1.2	254	19	2	0
16/11/2022 06:10	1.6	254	20	2.4	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/11/2022 06:20	1.6	258	20	2.4	0
16/11/2022 06:30	1.5	246	16	2.5	0
16/11/2022 06:40					0
16/11/2022 06:50					0
16/11/2022 07:00					0
16/11/2022 07:10					0
16/11/2022 07:20					0
16/11/2022 07:30					0
16/11/2022 07:40					0
16/11/2022 07:50					0
16/11/2022 08:00					0
16/11/2022 08:10					0
16/11/2022 08:20					0
16/11/2022 08:30					0
16/11/2022 08:40					0
16/11/2022 08:50					0
16/11/2022 09:00					0
16/11/2022 09:10					0
16/11/2022 09:20					0
16/11/2022 09:30					0
16/11/2022 09:40					0
16/11/2022 09:50					0
16/11/2022 10:00					0
16/11/2022 10:10					0
16/11/2022 10:20					0
16/11/2022 10:30					0
16/11/2022 10:40					0
16/11/2022 10:50					0
16/11/2022 11:00					0
16/11/2022 11:10					0
16/11/2022 11:20					0
16/11/2022 11:30					0
16/11/2022 11:40					0
16/11/2022 11:50					0
16/11/2022 12:00					0
16/11/2022 12:10					0
16/11/2022 12:20					0
16/11/2022 12:30					0
16/11/2022 12:40					0
16/11/2022 12:50					0
16/11/2022 13:00					0
16/11/2022 13:10					0
16/11/2022 13:20					0
16/11/2022 13:30					0
16/11/2022 13:40					0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/11/2022 13:50					0
16/11/2022 14:00					0
16/11/2022 14:10					0
16/11/2022 14:20					0
16/11/2022 14:30					0
16/11/2022 14:40					0
16/11/2022 14:50					0
16/11/2022 15:00					0
16/11/2022 15:10					0
16/11/2022 15:20					0
16/11/2022 15:30					0
16/11/2022 15:40					0
16/11/2022 15:50					0
16/11/2022 16:00					0
16/11/2022 16:10					0
16/11/2022 16:20					0
16/11/2022 16:30					0
16/11/2022 16:40					0
16/11/2022 16:50					0
16/11/2022 17:00					0
16/11/2022 17:10					0
16/11/2022 17:20					0
16/11/2022 17:30					0
16/11/2022 17:40	3	274	47	5.9	0
16/11/2022 17:50	2.9	265	34	4.6	0
16/11/2022 18:00	2.6	265	32	4.6	0
16/11/2022 18:10	2.7	265	28	4.4	0
16/11/2022 18:20	2.7	266	29	4.6	0
16/11/2022 18:30	2.4	265	32	4	0
16/11/2022 18:40	2.5	261	32	4.6	0
16/11/2022 18:50	2.1	278	36	4	0
16/11/2022 19:00	2.3	275	28	3.8	0
16/11/2022 19:10	2.2	263	30	4.1	0
16/11/2022 19:20	2.3	261	24	3.6	0
16/11/2022 19:30	2.3	266	32	3.9	0
16/11/2022 19:40	2.2	267	30	3.6	0
16/11/2022 19:50	2.4	262	25	4.1	0
16/11/2022 20:00	2.5	259	25	3.9	0
16/11/2022 20:10	2.4	255	23	3.6	0
16/11/2022 20:20	2.2	271	32	4	0
16/11/2022 20:30	2.3	256	19	3.9	0
16/11/2022 20:40	2.3	255	20	3.5	0
16/11/2022 20:50	2.1	260	25	3.5	0
16/11/2022 21:00	2.9	251	16	4.5	0
16/11/2022 21:10	3.3	253	17	5.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/11/2022 21:20	3	255	18	4.5	0
16/11/2022 21:30	3.2	248	18	4.9	0
16/11/2022 21:40	3.4	246	17	5.2	0
16/11/2022 21:50	3.2	246	16	4.9	0
16/11/2022 22:00	3.3	243	16	4.7	0
16/11/2022 22:10	2.9	257	17	4	0
16/11/2022 22:20	3.1	253	17	4.3	0
16/11/2022 22:30	3.2	246	16	5	0
16/11/2022 22:40	2.6	252	20	3.9	0
16/11/2022 22:50	3.3	246	19	5.2	0
16/11/2022 23:00	2.6	252	19	3.6	0
16/11/2022 23:10	3	243	18	4.9	0
16/11/2022 23:20	2.7	249	16	4.1	0
16/11/2022 23:30	2.1	262	18	3.1	0
16/11/2022 23:40	2.3	253	19	3.4	0
16/11/2022 23:50	2.5	246	20	3.8	0
17/11/2022 00:00	2.7	253	21	4	0
17/11/2022 00:10	2.6	249	18	3.9	0
17/11/2022 00:20	3.4	242	17	5.2	0
17/11/2022 00:30	2.8	247	18	4.4	0
17/11/2022 00:40	2.7	246	19	4.8	0
17/11/2022 00:50	2.8	256	22	4.4	0
17/11/2022 01:00	3.3	249	16	5.2	0
17/11/2022 01:10	2.6	251	15	4.3	0
17/11/2022 01:20	2.7	256	18	4.1	0
17/11/2022 01:30	2.4	252	19	4	0
17/11/2022 01:40	2.5	257	22	3.9	0
17/11/2022 01:50	2.8	248	18	4.4	0
17/11/2022 02:00	2.8	251	15	3.9	0
17/11/2022 02:10	3	251	21	5.2	0
17/11/2022 02:20	2.6	255	18	4.2	0
17/11/2022 02:30	2.9	247	18	4.2	0
17/11/2022 02:40	2.9	250	19	4.4	0
17/11/2022 02:50	2.9	249	20	4.4	0
17/11/2022 03:00	2.5	252	18	4.1	0
17/11/2022 03:10	2.4	256	18	3.7	0
17/11/2022 03:20	2.7	249	17	4.2	0
17/11/2022 03:30	2	262	19	3.2	0
17/11/2022 03:40	1.9	257	19	3.2	0
17/11/2022 03:50	3.1	252	22	5.4	0
17/11/2022 04:00	3	248	17	4.3	0
17/11/2022 04:10	2.6	247	18	4.4	0
17/11/2022 04:20	3.1	251	20	4.6	0
17/11/2022 04:30	2.6	251	17	3.9	0
17/11/2022 04:40	2.8	242	21	4.6	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/11/2022 04:50	2.4	232	19	3.6	0
17/11/2022 05:00	2.9	250	20	5.8	0
17/11/2022 05:10	2.2	242	22	3.4	0
17/11/2022 05:20	2.5	244	20	4.6	0
17/11/2022 05:30	3.3	251	16	5	0
17/11/2022 05:40	3	249	17	5.2	0
17/11/2022 05:50	2.3	256	21	3.2	0
17/11/2022 06:00					0
17/11/2022 06:10					0
17/11/2022 06:20	2.2	257	17	4	0
17/11/2022 06:30	2.8	257	17	4.4	0
17/11/2022 06:40					0
17/11/2022 06:50					0
17/11/2022 07:00					0
17/11/2022 07:10					0
17/11/2022 07:20					0
17/11/2022 07:30					0
17/11/2022 07:40					0
17/11/2022 07:50					0
17/11/2022 08:00					0
17/11/2022 08:10					0
17/11/2022 08:20					0
17/11/2022 08:30					0
17/11/2022 08:40					0
17/11/2022 08:50					0
17/11/2022 09:00					0
17/11/2022 09:10					0
17/11/2022 09:20					0
17/11/2022 09:30					0
17/11/2022 09:40					0
17/11/2022 09:50					0
17/11/2022 10:00					0
17/11/2022 10:10					0
17/11/2022 10:20					0
17/11/2022 10:30					0
17/11/2022 10:40					0
17/11/2022 10:50					0
17/11/2022 11:00					0
17/11/2022 11:10					0
17/11/2022 11:20					0
17/11/2022 11:30					0
17/11/2022 11:40					0
17/11/2022 11:50					0
17/11/2022 12:00					0
17/11/2022 12:10					0



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/11/2022 12:20					0
17/11/2022 12:30					0
17/11/2022 12:40					0
17/11/2022 12:50					0
17/11/2022 13:00					0
17/11/2022 13:10					0
17/11/2022 13:20					0
17/11/2022 13:30					0
17/11/2022 13:40					0
17/11/2022 13:50					0
17/11/2022 14:00					0
17/11/2022 14:10					0
17/11/2022 14:20					0
17/11/2022 14:30					0
17/11/2022 14:40					0
17/11/2022 14:50					0
17/11/2022 15:00					0
17/11/2022 15:10					0
17/11/2022 15:20					0
17/11/2022 15:30					0
17/11/2022 15:40					0
17/11/2022 15:50					0
17/11/2022 16:00					0
17/11/2022 16:10					0
17/11/2022 16:20					0
17/11/2022 16:30					0
17/11/2022 16:40					0
17/11/2022 16:50					0
17/11/2022 17:00					0
17/11/2022 17:10					0
17/11/2022 17:20					0
17/11/2022 17:30					0
17/11/2022 17:40					0
17/11/2022 17:50					0
17/11/2022 18:00					0
17/11/2022 18:10					0
17/11/2022 18:20					0
17/11/2022 18:30					0
17/11/2022 18:40					0
17/11/2022 18:50					0
17/11/2022 19:00					0
17/11/2022 19:10					0
17/11/2022 19:20					0
17/11/2022 19:30	2.9	248	13	9.4	0
17/11/2022 19:40	2.4	255	11	7.5	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/11/2022 19:50					0
17/11/2022 20:00					0
17/11/2022 20:10	3.7	253	15	9.9	0
17/11/2022 20:20	5.9	251	15	10.5	0
17/11/2022 20:30	4.4	252	15	8.3	0
17/11/2022 20:40					0
17/11/2022 20:50					0
17/11/2022 21:00					0
17/11/2022 21:10					0
17/11/2022 21:20					0
17/11/2022 21:30	1.3	247	11	7.8	0
17/11/2022 21:40	2.4	248	15	6.7	0
17/11/2022 21:50	3.9	260	13	8.6	0
17/11/2022 22:00					0
17/11/2022 22:10					0
17/11/2022 22:20					0
17/11/2022 22:30					0
17/11/2022 22:40					0
17/11/2022 22:50					0
17/11/2022 23:00	5.1	253	18	10.2	0
17/11/2022 23:10					0
17/11/2022 23:20					0
17/11/2022 23:30					0
17/11/2022 23:40	2.7	250	16	8.3	0
17/11/2022 23:50	5.2	247	22	8.7	0
18/11/2022 00:00	5.7	238	21	9.3	0
18/11/2022 00:10	5.6	241	19	8.1	0
18/11/2022 00:20	5.3	240	16	8.3	0
18/11/2022 00:30	5.1	238	17	7.9	0
18/11/2022 00:40	5.4	235	16	7.6	0
18/11/2022 00:50	5.5	236	17	8.9	0
18/11/2022 01:00	5.4	237	16	8.1	0
18/11/2022 01:10	6	239	18	8.5	0
18/11/2022 01:20	6.4	238	16	10.3	0
18/11/2022 01:30	5.6	237	19	7.9	0
18/11/2022 01:40	6	239	16	8.5	0
18/11/2022 01:50	6.1	237	17	9.2	0
18/11/2022 02:00	6.6	239	14	8.8	0
18/11/2022 02:10	6	240	18	9	0
18/11/2022 02:20	5.8	237	18	8	0
18/11/2022 02:30	6	240	18	8.5	0
18/11/2022 02:40	5.9	235	18	8.4	0
18/11/2022 02:50	5.3	235	17	8	0
18/11/2022 03:00	5.8	242	15	8.7	0
18/11/2022 03:10	5.2	237	18	7.9	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/11/2022 03:20	5.6	240	18	9.4	0
18/11/2022 03:30	5.8	237	17	8.3	0
18/11/2022 03:40	5.5	238	16	7.4	0
18/11/2022 03:50	5.5	239	17	7.9	0
18/11/2022 04:00	5.3	242	18	7.7	0
18/11/2022 04:10	5.1	241	17	7.4	0
18/11/2022 04:20	5.1	242	16	7.5	0
18/11/2022 04:30	5.2	243	19	7.4	0
18/11/2022 04:40	5.2	241	17	6.9	0
18/11/2022 04:50	4.5	238	18	6.4	0
18/11/2022 05:00	4.2	240	22	6.7	0
18/11/2022 05:10	4.6	238	17	6.7	0
18/11/2022 05:20	4.3	240	17	5.8	0
18/11/2022 05:30	4.4	240	17	5.9	0
18/11/2022 05:40	4.3	238	16	6.4	0
18/11/2022 05:50	4.5	241	18	6.8	0
18/11/2022 06:00					0
18/11/2022 06:10					0
18/11/2022 06:20					0
18/11/2022 06:30					0
18/11/2022 06:40					0
18/11/2022 06:50					0
18/11/2022 07:00					0
18/11/2022 07:10					0
18/11/2022 07:20					0
18/11/2022 07:30					0
18/11/2022 07:40					0
18/11/2022 07:50					0
18/11/2022 08:00					0
18/11/2022 08:10					0
18/11/2022 08:20					0
18/11/2022 08:30					0
18/11/2022 08:40					0
18/11/2022 08:50					0
18/11/2022 09:00					0
18/11/2022 09:10					0
18/11/2022 09:20					0
18/11/2022 09:30					0
18/11/2022 09:40					0
18/11/2022 09:50					0
18/11/2022 10:00					0
18/11/2022 10:10					0
18/11/2022 10:20					0
18/11/2022 10:30					0
18/11/2022 10:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/11/2022 10:50					0
18/11/2022 11:00					0
18/11/2022 11:10					0
18/11/2022 11:20					0
18/11/2022 11:30					0
18/11/2022 11:40					0
18/11/2022 11:50					0
18/11/2022 12:00					0
18/11/2022 12:10					0
18/11/2022 12:20					0
18/11/2022 12:30					0
18/11/2022 12:40					0
18/11/2022 12:50					0
18/11/2022 13:00					0
18/11/2022 13:10					0
18/11/2022 13:20					0
18/11/2022 13:30					0
18/11/2022 13:40					0
18/11/2022 13:50					0
18/11/2022 14:00					0
18/11/2022 14:10					0
18/11/2022 14:20					0
18/11/2022 14:30					0
18/11/2022 14:40					0
18/11/2022 14:50					0
18/11/2022 15:00					0
18/11/2022 15:10					0
18/11/2022 15:20					0
18/11/2022 15:30					0
18/11/2022 15:40					0
18/11/2022 15:50					0
18/11/2022 16:00					0
18/11/2022 16:10					0
18/11/2022 16:20					0
18/11/2022 16:30					0
18/11/2022 16:40					0
18/11/2022 16:50					0
18/11/2022 17:00					0
18/11/2022 17:10					0
18/11/2022 17:20					0
18/11/2022 17:30					0
18/11/2022 17:40					0
18/11/2022 17:50					0
18/11/2022 18:00					0
18/11/2022 18:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/11/2022 18:20					0
18/11/2022 18:30					0
18/11/2022 18:40					0
18/11/2022 18:50					0
18/11/2022 19:00					0
18/11/2022 19:10					0
18/11/2022 19:20					0
18/11/2022 19:30					0
18/11/2022 19:40					0
18/11/2022 19:50					0
18/11/2022 20:00					0
18/11/2022 20:10					0
18/11/2022 20:20					0
18/11/2022 20:30					0
18/11/2022 20:40					0
18/11/2022 20:50					0
18/11/2022 21:00					0
18/11/2022 21:10					0
18/11/2022 21:20					0
18/11/2022 21:30					0
18/11/2022 21:40					0
18/11/2022 21:50					0
18/11/2022 22:00					0
18/11/2022 22:10					0
18/11/2022 22:20					0
18/11/2022 22:30					0
18/11/2022 22:40					0
18/11/2022 22:50					0
18/11/2022 23:00					0
18/11/2022 23:10					0
18/11/2022 23:20	3.9	252	16	5.9	0
18/11/2022 23:30	3.1	253	17	4.6	0
18/11/2022 23:40	3.5	254	15	5	0
18/11/2022 23:50	3.1	254	16	4.9	0
19/11/2022 00:00	3	256	18	4.8	0
19/11/2022 00:10	3.3	256	14	4.5	0
19/11/2022 00:20	2.7	256	16	4.3	0
19/11/2022 00:30	2.7	254	17	4.4	0
19/11/2022 00:40	2.4	250	17	3.8	0
19/11/2022 00:50	2.5	258	16	3.5	0
19/11/2022 01:00	2.4	259	14	3.4	0
19/11/2022 01:10	2.5	262	15	3.5	0
19/11/2022 01:20	2.7	270	15	3.8	0
19/11/2022 01:30	2.8	270	14	3.7	0
19/11/2022 01:40	2.7	269	16	3.8	0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/11/2022 01:50	2.8	270	14	3.7	0
19/11/2022 02:00	2.7	270	15	3.7	0
19/11/2022 02:10	2.7	266	13	3.6	0
19/11/2022 02:20	2.9	264	14	4.2	0
19/11/2022 02:30	3.3	257	17	4.6	0
19/11/2022 02:40	2.9	258	12	4	0
19/11/2022 02:50	2.4	266	15	3.5	0
19/11/2022 03:00	2.7	276	16	3.9	0
19/11/2022 03:10	2.5	273	16	3.6	0
19/11/2022 03:20	2.6	274	13	3.6	0
19/11/2022 03:30	2.7	269	14	3.6	0
19/11/2022 03:40	2.7	269	13	3.6	0
19/11/2022 03:50	2.5	271	15	3.6	0
19/11/2022 04:00	2.2	277	19	3.2	0
19/11/2022 04:10	2.1	282	18	2.9	0
19/11/2022 04:20	2.6	284	19	3.5	0
19/11/2022 04:30	2.2	278	16	3.9	0
19/11/2022 04:40					0
19/11/2022 04:50					0
19/11/2022 05:00					0
19/11/2022 05:10					0
19/11/2022 05:20					0
19/11/2022 05:30					0
19/11/2022 05:40					0
19/11/2022 05:50					0
19/11/2022 06:00					0
19/11/2022 06:10					0
19/11/2022 06:20					0
19/11/2022 06:30					0
19/11/2022 06:40					0
19/11/2022 06:50					0
19/11/2022 07:00					0
19/11/2022 07:10					0
19/11/2022 07:20					0
19/11/2022 07:30					0
19/11/2022 07:40					0
19/11/2022 07:50					0
19/11/2022 08:00					0
19/11/2022 08:10					0
19/11/2022 08:20					0
19/11/2022 08:30					0
19/11/2022 08:40					0
19/11/2022 08:50					0
19/11/2022 09:00					0
19/11/2022 09:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/11/2022 09:20					0
19/11/2022 09:30					0
19/11/2022 09:40					0
19/11/2022 09:50					0
19/11/2022 10:00					0
19/11/2022 10:10					0
19/11/2022 10:20					0
19/11/2022 10:30					0
19/11/2022 10:40					0
19/11/2022 10:50					0
19/11/2022 11:00					0
19/11/2022 11:10					0
19/11/2022 11:20					0
19/11/2022 11:30					0
19/11/2022 11:40					0
19/11/2022 11:50					0
19/11/2022 12:00					0
19/11/2022 12:10					0
19/11/2022 12:20					0
19/11/2022 12:30					0
19/11/2022 12:40					0
19/11/2022 12:50					0
19/11/2022 13:00					0
19/11/2022 13:10					0
19/11/2022 13:20					0
19/11/2022 13:30					0
19/11/2022 13:40					0
19/11/2022 13:50					0
19/11/2022 14:00					0
19/11/2022 14:10					0
19/11/2022 14:20					0
19/11/2022 14:30					0
19/11/2022 14:40					0
19/11/2022 14:50					0
19/11/2022 15:00					0
19/11/2022 15:10					0
19/11/2022 15:20					0
19/11/2022 15:30					0
19/11/2022 15:40					0
19/11/2022 15:50					0
19/11/2022 16:00					0
19/11/2022 16:10					0
19/11/2022 16:20					0
19/11/2022 16:30					0
19/11/2022 16:40					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/11/2022 16:50					0
19/11/2022 17:00					0
19/11/2022 17:10					0
19/11/2022 17:20					0
19/11/2022 17:30	0	243	0	1.6	0
19/11/2022 17:40					0
19/11/2022 17:50	2.1	248	14	5.7	0
19/11/2022 18:00	4	240	16	5.4	0
19/11/2022 18:10	3.6	247	18	5.3	0
19/11/2022 18:20	2.6	246	13	5.2	0
19/11/2022 18:30	3.2	248	16	4.8	0
19/11/2022 18:40	3.6	247	15	4.8	0
19/11/2022 18:50	3.5	249	15	5.4	0
19/11/2022 19:00	3.8	250	17	5.2	0
19/11/2022 19:10	4.3	245	16	6	0
19/11/2022 19:20	4.8	249	14	6.4	0
19/11/2022 19:30	4.1	249	19	5.8	0
19/11/2022 19:40	3.6	250	16	5.4	0
19/11/2022 19:50	4.3	245	13	6.6	0
19/11/2022 20:00	3.9	244	16	6.1	0
19/11/2022 20:10	4.4	247	15	6.3	0
19/11/2022 20:20	4.6	247	14	6.5	0
19/11/2022 20:30	4.4	251	14	6	0
19/11/2022 20:40	4.1	251	16	5.6	0
19/11/2022 20:50	4.4	251	15	6	0
19/11/2022 21:00	4.1	252	16	5.9	0
19/11/2022 21:10	3.7	248	17	5.5	0
19/11/2022 21:20	4.2	251	14	5.9	0
19/11/2022 21:30	4.2	250	15	6	0
19/11/2022 21:40	3.7	255	15	5.6	0
19/11/2022 21:50	3.6	252	14	4.9	0
19/11/2022 22:00	3.3	255	16	5	0
19/11/2022 22:10	3.1	258	14	4.4	0
19/11/2022 22:20	3.6	251	13	4.9	0
19/11/2022 22:30	3.6	256	16	5.2	0
19/11/2022 22:40	3.1	256	17	4.8	0
19/11/2022 22:50	3	257	17	4.5	0
19/11/2022 23:00	2.8	256	14	3.9	0
19/11/2022 23:10	2.3	262	21	3.6	0
19/11/2022 23:20	2.4	261	16	3.7	0
19/11/2022 23:30	2.1	268	20	3.3	0
19/11/2022 23:40	2.2	257	15	3.6	0
19/11/2022 23:50	2.6	258	17	4	0
20/11/2022 00:00	2.5	260	15	3.7	0
20/11/2022 00:10	2.3	258	17	3.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/11/2022 00:20	2.4	256	17	3.6	0
20/11/2022 00:30	3	257	16	4.3	0
20/11/2022 00:40	2.6	256	15	4	0
20/11/2022 00:50	3.4	252	16	5.3	0
20/11/2022 01:00	3.4	251	17	4.9	0
20/11/2022 01:10	3.6	253	13	5.2	0
20/11/2022 01:20	3.3	250	14	4.8	0
20/11/2022 01:30	3.2	245	15	4.8	0
20/11/2022 01:40	3.2	253	16	4.8	0
20/11/2022 01:50	3	254	16	4.6	0
20/11/2022 02:00	2.8	243	19	4.2	0
20/11/2022 02:10	3	254	15	4.4	0
20/11/2022 02:20	3.1	245	14	4.6	0
20/11/2022 02:30	2.8	239	18	4.4	0
20/11/2022 02:40	2.9	245	14	4.3	0
20/11/2022 02:50	3.3	251	17	4.8	0
20/11/2022 03:00	2.8	242	17	4.7	0
20/11/2022 03:10	2.6	233	17	3.7	0
20/11/2022 03:20	2.3	239	16	3.2	0
20/11/2022 03:30	2.2	245	14	3	0
20/11/2022 03:40	1.9	246	19	2.9	0
20/11/2022 03:50	1.8	246	15	2.8	0
20/11/2022 04:00	1.6	233	18	2.4	0
20/11/2022 04:10	1.2	238	20	1.9	0
20/11/2022 04:20	1.4	231	20	2.2	0
20/11/2022 04:30	0.4	204	40	0.8	0
20/11/2022 04:40	0.3	74	5	0.7	0
20/11/2022 04:50	0.7	56	18	1	0
20/11/2022 05:00	0.5	119	11	0.9	0
20/11/2022 05:10	0.4	145	10	0.8	0
20/11/2022 05:20	0.3	61	22	0.7	0
20/11/2022 05:30	0.6	127	21	1.1	0
20/11/2022 05:40	0.6	108	36	1.2	0
20/11/2022 05:50	0.9	71	18	1.5	0
20/11/2022 06:00	1.4	83	20	2.1	0
20/11/2022 06:10	1.3	88	17	2	0
20/11/2022 06:20	1.4	70	18	2.3	0
20/11/2022 06:30	1.8	60	19	2.9	0
20/11/2022 06:40	2	60	19	3.4	0
20/11/2022 06:50	1.9	58	23	3.1	0
20/11/2022 07:00	1.9	52	27	3.3	0
20/11/2022 07:10	1.8	63	23	3	0
20/11/2022 07:20	2	51	22	3.3	0
20/11/2022 07:30	2.8	45	21	4.5	0
20/11/2022 07:40	2.5	55	21	3.6	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/11/2022 07:50	2.4	53	20	3.7	0
20/11/2022 08:00	2.3	54	18	4	0
20/11/2022 08:10	1.7	60	19	3.6	0
20/11/2022 08:20					0
20/11/2022 08:30					0
20/11/2022 08:40	1.6	68	18	3.5	0
20/11/2022 08:50	2.4	61	21	3.5	0
20/11/2022 09:00	2.3	68	20	3.8	0
20/11/2022 09:10	2.5	75	19	4	0
20/11/2022 09:20	2.4	84	23	3.4	0
20/11/2022 09:30	2.4	103	27	3.6	0
20/11/2022 09:40	2.3	102	30	3.7	0
20/11/2022 09:50	2.3	107	31	4	0
20/11/2022 10:00	2.2	114	30	3.5	0
20/11/2022 10:10	2.3	114	28	4.1	0
20/11/2022 10:20	1.9	122	28	3.1	0
20/11/2022 10:30	2	121	26	3.7	0
20/11/2022 10:40	1.8	114	28	3.2	0
20/11/2022 10:50	2.3	99	27	3.6	0
20/11/2022 11:00	2.3	94	33	3.7	0
20/11/2022 11:10	2.4	89	24	4	0
20/11/2022 11:20	2.2	94	21	3.6	0
20/11/2022 11:30					0
20/11/2022 11:40					0
20/11/2022 11:50					0
20/11/2022 12:00					0
20/11/2022 12:10					0
20/11/2022 12:20					0
20/11/2022 12:30					0
20/11/2022 12:40					0
20/11/2022 12:50					0
20/11/2022 13:00					0
20/11/2022 13:10					0
20/11/2022 13:20					0
20/11/2022 13:30					0
20/11/2022 13:40					0
20/11/2022 13:50					0
20/11/2022 14:00					0
20/11/2022 14:10					0
20/11/2022 14:20					0
20/11/2022 14:30					0
20/11/2022 14:40					0
20/11/2022 14:50					0
20/11/2022 15:00					0
20/11/2022 15:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/11/2022 15:20					0
20/11/2022 15:30					0
20/11/2022 15:40					0
20/11/2022 15:50					0
20/11/2022 16:00					0
20/11/2022 16:10					0
20/11/2022 16:20					0
20/11/2022 16:30					0
20/11/2022 16:40					0
20/11/2022 16:50					0
20/11/2022 17:00					0
20/11/2022 17:10					0
20/11/2022 17:20					0
20/11/2022 17:30					0
20/11/2022 17:40					0
20/11/2022 17:50					0
20/11/2022 18:00					0
20/11/2022 18:10					0
20/11/2022 18:20					0
20/11/2022 18:30					0
20/11/2022 18:40					0
20/11/2022 18:50					0
20/11/2022 19:00					0
20/11/2022 19:10					0
20/11/2022 19:20					0
20/11/2022 19:30					0
20/11/2022 19:40					0
20/11/2022 19:50					0
20/11/2022 20:00					0
20/11/2022 20:10					0
20/11/2022 20:20					0
20/11/2022 20:30					0
20/11/2022 20:40					0
20/11/2022 20:50					0
20/11/2022 21:00					0
20/11/2022 21:10					0
20/11/2022 21:20					0
20/11/2022 21:30					0
20/11/2022 21:40					0
20/11/2022 21:50					0
20/11/2022 22:00					0
20/11/2022 22:10					0
20/11/2022 22:20					0
20/11/2022 22:30					0
20/11/2022 22:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/11/2022 22:50					0
20/11/2022 23:00					0
20/11/2022 23:10					0
20/11/2022 23:20					0
20/11/2022 23:30					0
20/11/2022 23:40					0
20/11/2022 23:50					0
21/11/2022 00:00					0
21/11/2022 00:10					0
21/11/2022 00:20					0
21/11/2022 00:30					0
21/11/2022 00:40					0
21/11/2022 00:50					0
21/11/2022 01:00					0
21/11/2022 01:10					0
21/11/2022 01:20					0
21/11/2022 01:30					0
21/11/2022 01:40					0
21/11/2022 01:50					0
21/11/2022 02:00					0
21/11/2022 02:10					0
21/11/2022 02:20					0
21/11/2022 02:30					0
21/11/2022 02:40					0
21/11/2022 02:50					0
21/11/2022 03:00					0
21/11/2022 03:10					0
21/11/2022 03:20					0
21/11/2022 03:30					0
21/11/2022 03:40					0
21/11/2022 03:50					0
21/11/2022 04:00					0
21/11/2022 04:10					0
21/11/2022 04:20					0
21/11/2022 04:30					0
21/11/2022 04:40					0
21/11/2022 04:50					0
21/11/2022 05:00					0
21/11/2022 05:10					0
21/11/2022 05:20					0
21/11/2022 05:30					0
21/11/2022 05:40					0
21/11/2022 05:50					0
21/11/2022 06:00					0
21/11/2022 06:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/11/2022 06:20					0
21/11/2022 06:30					0
21/11/2022 06:40					0
21/11/2022 06:50					0
21/11/2022 07:00					0
21/11/2022 07:10					0
21/11/2022 07:20					0
21/11/2022 07:30					0
21/11/2022 07:40					0
21/11/2022 07:50					0
21/11/2022 08:00					0
21/11/2022 08:10					0
21/11/2022 08:20					0
21/11/2022 08:30					0
21/11/2022 08:40					0
21/11/2022 08:50					0
21/11/2022 09:00					0
21/11/2022 09:10					0
21/11/2022 09:20					0
21/11/2022 09:30					0
21/11/2022 09:40					0
21/11/2022 09:50					0
21/11/2022 10:00					0
21/11/2022 10:10					0
21/11/2022 10:20					0
21/11/2022 10:30					0
21/11/2022 10:40					0
21/11/2022 10:50					0
21/11/2022 11:00					0
21/11/2022 11:10					0
21/11/2022 11:20					0
21/11/2022 11:30					0
21/11/2022 11:40					0
21/11/2022 11:50					0
21/11/2022 12:00					0
21/11/2022 12:10					0
21/11/2022 12:20					0
21/11/2022 12:30					0
21/11/2022 12:40					0
21/11/2022 12:50					0
21/11/2022 13:00					0
21/11/2022 13:10					0
21/11/2022 13:20					0
21/11/2022 13:30					0
21/11/2022 13:40					0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/11/2022 13:50					0
21/11/2022 14:00					0
21/11/2022 14:10					0
21/11/2022 14:20					0
21/11/2022 14:30					0
21/11/2022 14:40					0
21/11/2022 14:50					0
21/11/2022 15:00					0
21/11/2022 15:10					0
21/11/2022 15:20					0
21/11/2022 15:30					0
21/11/2022 15:40					0
21/11/2022 15:50					0
21/11/2022 16:00					0
21/11/2022 16:10					0
21/11/2022 16:20					0
21/11/2022 16:30					0
21/11/2022 16:40					0
21/11/2022 16:50					0
21/11/2022 17:00					0
21/11/2022 17:10					0
21/11/2022 17:20					0
21/11/2022 17:30					0
21/11/2022 17:40					0
21/11/2022 17:50					0
21/11/2022 18:00					0
21/11/2022 18:10					0
21/11/2022 18:20					0
21/11/2022 18:30					0
21/11/2022 18:40					0
21/11/2022 18:50					0
21/11/2022 19:00					0
21/11/2022 19:10					0
21/11/2022 19:20					0
21/11/2022 19:30					0
21/11/2022 19:40					0
21/11/2022 19:50					0
21/11/2022 20:00					0
21/11/2022 20:10					0
21/11/2022 20:20					0
21/11/2022 20:30					0
21/11/2022 20:40					0
21/11/2022 20:50					0
21/11/2022 21:00					0
21/11/2022 21:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/11/2022 21:20					0
21/11/2022 21:30					0
21/11/2022 21:40					0
21/11/2022 21:50					0
21/11/2022 22:00					0
21/11/2022 22:10					0
21/11/2022 22:20					0
21/11/2022 22:30					0
21/11/2022 22:40					0
21/11/2022 22:50					0
21/11/2022 23:00					0
21/11/2022 23:10					0
21/11/2022 23:20					0
21/11/2022 23:30					0
21/11/2022 23:40					0
21/11/2022 23:50					0
22/11/2022 00:00					0
22/11/2022 00:10					0
22/11/2022 00:20					0
22/11/2022 00:30					0
22/11/2022 00:40					0
22/11/2022 00:50					0
22/11/2022 01:00					0
22/11/2022 01:10					0
22/11/2022 01:20					0
22/11/2022 01:30					0
22/11/2022 01:40					0
22/11/2022 01:50					0
22/11/2022 02:00					0
22/11/2022 02:10					0
22/11/2022 02:20					0
22/11/2022 02:30					0
22/11/2022 02:40					0
22/11/2022 02:50					0
22/11/2022 03:00					0
22/11/2022 03:10					0
22/11/2022 03:20	0	95	0	0.4	0
22/11/2022 03:30					0
22/11/2022 03:40					0
22/11/2022 03:50	2.2	95	24	3.8	0
22/11/2022 04:00	2.6	101	24	4.2	0
22/11/2022 04:10	2.3	97	27	3.8	0
22/11/2022 04:20	2.5	94	25	4.4	0
22/11/2022 04:30	3.2	90	20	5.2	0
22/11/2022 04:40	2.6	97	28	4.4	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/11/2022 04:50	2.4	97	24	4	0
22/11/2022 05:00	3.2	99	28	5.9	0
22/11/2022 05:10	3.1	94	26	5.4	0
22/11/2022 05:20	2.9	103	25	4.6	0
22/11/2022 05:30	2.6	115	26	4.6	0
22/11/2022 05:40	2.6	112	27	4.7	0
22/11/2022 05:50	2.7	101	25	4.4	0
22/11/2022 06:00	2.7	101	29	4.3	0
22/11/2022 06:10	2.6	106	31	4.8	0
22/11/2022 06:20	2.7	118	26	4.9	0
22/11/2022 06:30	2.8	124	30	4.8	0
22/11/2022 06:40	2.5	120	31	5	0
22/11/2022 06:50	2.7	112	32	4.7	0
22/11/2022 07:00	2.9	118	30	4.4	0
22/11/2022 07:10	2.4	112	28	4.8	0
22/11/2022 07:20	0	93	0	0.4	0
22/11/2022 07:30					0
22/11/2022 07:40					0
22/11/2022 07:50					0
22/11/2022 08:00					0
22/11/2022 08:10					0
22/11/2022 08:20					0
22/11/2022 08:30					0
22/11/2022 08:40					0
22/11/2022 08:50					0
22/11/2022 09:00					0
22/11/2022 09:10					0
22/11/2022 09:20					0
22/11/2022 09:30					0
22/11/2022 09:40					0
22/11/2022 09:50					0
22/11/2022 10:00					0
22/11/2022 10:10					0
22/11/2022 10:20					0
22/11/2022 10:30					0
22/11/2022 10:40					0
22/11/2022 10:50					0
22/11/2022 11:00					0
22/11/2022 11:10					0
22/11/2022 11:20					0
22/11/2022 11:30					0
22/11/2022 11:40					0
22/11/2022 11:50					0
22/11/2022 12:00					0
22/11/2022 12:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/11/2022 12:20					0
22/11/2022 12:30					0
22/11/2022 12:40					0
22/11/2022 12:50					0
22/11/2022 13:00					0
22/11/2022 13:10					0
22/11/2022 13:20					0
22/11/2022 13:30					0
22/11/2022 13:40					0
22/11/2022 13:50					0
22/11/2022 14:00					0
22/11/2022 14:10					0
22/11/2022 14:20					0
22/11/2022 14:30					0
22/11/2022 14:40					0
22/11/2022 14:50					0
22/11/2022 15:00					0
22/11/2022 15:10					0
22/11/2022 15:20					0
22/11/2022 15:30					0
22/11/2022 15:40					0
22/11/2022 15:50					0
22/11/2022 16:00					0
22/11/2022 16:10					0
22/11/2022 16:20					0
22/11/2022 16:30					0
22/11/2022 16:40					0
22/11/2022 16:50					0
22/11/2022 17:00					0
22/11/2022 17:10					0
22/11/2022 17:20					0
22/11/2022 17:30					0
22/11/2022 17:40					0
22/11/2022 17:50					0
22/11/2022 18:00					0
22/11/2022 18:10					0
22/11/2022 18:20					0
22/11/2022 18:30					0
22/11/2022 18:40					0
22/11/2022 18:50					0
22/11/2022 19:00					0
22/11/2022 19:10					0
22/11/2022 19:20					0
22/11/2022 19:30					0
22/11/2022 19:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/11/2022 19:50					0
22/11/2022 20:00					0
22/11/2022 20:10					0
22/11/2022 20:20					0
22/11/2022 20:30					0
22/11/2022 20:40					0
22/11/2022 20:50	0	292	4	0.6	0
22/11/2022 21:00					0
22/11/2022 21:10	0.4	239	22	1.1	0
22/11/2022 21:20	0.3	276	27	1.2	0
22/11/2022 21:30	0	268	0	1.1	0
22/11/2022 21:40					0
22/11/2022 21:50					0
22/11/2022 22:00	1	231	11	1.6	0
22/11/2022 22:10	0.8	236	11	1.1	0
22/11/2022 22:20	0.4	241	11	1	0
22/11/2022 22:30	0	112	0	0.4	0
22/11/2022 22:40	0	212	0	0.4	0
22/11/2022 22:50					0
22/11/2022 23:00	0	56	0	0.4	0
22/11/2022 23:10	0	54	0	0.4	0
22/11/2022 23:20	0.2	161	21	0.8	0
22/11/2022 23:30	0.1	179	17	0.9	0
22/11/2022 23:40	0.2	221	9	0.7	0
22/11/2022 23:50	0.5	196	12	2.5	0
23/11/2022 00:00					0
23/11/2022 00:10					0
23/11/2022 00:20					0
23/11/2022 00:30					0
23/11/2022 00:40					0
23/11/2022 00:50					0
23/11/2022 01:00					0
23/11/2022 01:10					0
23/11/2022 01:20					0
23/11/2022 01:30					0
23/11/2022 01:40					0
23/11/2022 01:50					0
23/11/2022 02:00					0
23/11/2022 02:10					0
23/11/2022 02:20					0
23/11/2022 02:30					0
23/11/2022 02:40					0
23/11/2022 02:50					0
23/11/2022 03:00					0
23/11/2022 03:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/11/2022 03:20					0
23/11/2022 03:30					0
23/11/2022 03:40					0
23/11/2022 03:50					0
23/11/2022 04:00					0
23/11/2022 04:10					0
23/11/2022 04:20					0
23/11/2022 04:30					0
23/11/2022 04:40					0
23/11/2022 04:50					0
23/11/2022 05:00					0
23/11/2022 05:10					0
23/11/2022 05:20					0
23/11/2022 05:30					0
23/11/2022 05:40					0
23/11/2022 05:50					0
23/11/2022 06:00					0
23/11/2022 06:10					0
23/11/2022 06:20					0
23/11/2022 06:30					0
23/11/2022 06:40					0
23/11/2022 06:50					0
23/11/2022 07:00					0
23/11/2022 07:10					0
23/11/2022 07:20					0
23/11/2022 07:30					0
23/11/2022 07:40					0
23/11/2022 07:50					0
23/11/2022 08:00					0
23/11/2022 08:10					0
23/11/2022 08:20					0
23/11/2022 08:30					0
23/11/2022 08:40					0
23/11/2022 08:50					0
23/11/2022 09:00					0
23/11/2022 09:10					0
23/11/2022 09:20					0
23/11/2022 09:30					0
23/11/2022 09:40					0
23/11/2022 09:50					0
23/11/2022 10:00					0
23/11/2022 10:10					0
23/11/2022 10:20					0
23/11/2022 10:30					0
23/11/2022 10:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/11/2022 10:50					0
23/11/2022 11:00					0
23/11/2022 11:10					0
23/11/2022 11:20					0
23/11/2022 11:30					0
23/11/2022 11:40					0
23/11/2022 11:50					0
23/11/2022 12:00					0
23/11/2022 12:10					0
23/11/2022 12:20					0
23/11/2022 12:30					0
23/11/2022 12:40					0
23/11/2022 12:50					0
23/11/2022 13:00					0
23/11/2022 13:10					0
23/11/2022 13:20					0
23/11/2022 13:30					0
23/11/2022 13:40					0
23/11/2022 13:50					0
23/11/2022 14:00					0
23/11/2022 14:10					0
23/11/2022 14:20					0
23/11/2022 14:30					0
23/11/2022 14:40					0
23/11/2022 14:50					0
23/11/2022 15:00					0
23/11/2022 15:10					0
23/11/2022 15:20					0
23/11/2022 15:30					0
23/11/2022 15:40					0
23/11/2022 15:50					0
23/11/2022 16:00					0
23/11/2022 16:10					0
23/11/2022 16:20					0
23/11/2022 16:30					0
23/11/2022 16:40					0
23/11/2022 16:50					0
23/11/2022 17:00					0
23/11/2022 17:10					0
23/11/2022 17:20					0
23/11/2022 17:30					0
23/11/2022 17:40					0
23/11/2022 17:50					0
23/11/2022 18:00					0
23/11/2022 18:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/11/2022 18:20					0
23/11/2022 18:30					0
23/11/2022 18:40					0
23/11/2022 18:50					0
23/11/2022 19:00					0
23/11/2022 19:10					0
23/11/2022 19:20					0
23/11/2022 19:30					0
23/11/2022 19:40					0
23/11/2022 19:50					0
23/11/2022 20:00					0
23/11/2022 20:10					0
23/11/2022 20:20					0
23/11/2022 20:30					0
23/11/2022 20:40					0
23/11/2022 20:50					0
23/11/2022 21:00					0
23/11/2022 21:10					0
23/11/2022 21:20					0
23/11/2022 21:30					0
23/11/2022 21:40					0
23/11/2022 21:50					0
23/11/2022 22:00					0
23/11/2022 22:10					0
23/11/2022 22:20					0
23/11/2022 22:30					0
23/11/2022 22:40					0
23/11/2022 22:50					0
23/11/2022 23:00					0
23/11/2022 23:10					0
23/11/2022 23:20					0
23/11/2022 23:30					0
23/11/2022 23:40					0
23/11/2022 23:50	1.8	249	14	3.8	0
24/11/2022 00:00	2.7	249	15	3.9	0
24/11/2022 00:10	2.3	243	19	3.7	0
24/11/2022 00:20	2.4	242	20	3.6	0
24/11/2022 00:30	2.7	240	17	3.7	0
24/11/2022 00:40	2.6	250	17	4	0
24/11/2022 00:50	2.2	243	17	3.2	0
24/11/2022 01:00	2.3	241	16	3.4	0
24/11/2022 01:10	1.8	244	17	2.9	0
24/11/2022 01:20	1.9	243	18	3.5	0
24/11/2022 01:30	1.8	248	20	2.8	0
24/11/2022 01:40	2	247	16	3.4	0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/11/2022 01:50	2.1	256	16	3	0
24/11/2022 02:00	1.9	251	12	2.7	0
24/11/2022 02:10	1.5	248	12	2.1	0
24/11/2022 02:20	1.5	250	14	2.3	0
24/11/2022 02:30	1.3	248	11	1.8	0
24/11/2022 02:40	1.6	250	15	2.3	0
24/11/2022 02:50	1.3	243	18	2.4	0
24/11/2022 03:00	2	252	15	2.9	0
24/11/2022 03:10	2.1	248	16	3.2	0
24/11/2022 03:20	1.8	246	18	2.4	0
24/11/2022 03:30	2	254	14	2.8	0
24/11/2022 03:40	1.9	258	17	2.8	0
24/11/2022 03:50	2	253	16	2.8	0
24/11/2022 04:00	1.9	255	17	2.8	0
24/11/2022 04:10	1.8	253	20	2.7	0
24/11/2022 04:20	1.3	252	16	2.2	0
24/11/2022 04:30	1.2	253	20	1.8	0
24/11/2022 04:40	1.6	246	18	2.3	0
24/11/2022 04:50	1.4	248	17	2	0
24/11/2022 05:00	1.7	254	13	2.4	0
24/11/2022 05:10	1.1	253	17	1.6	0
24/11/2022 05:20	1	254	19	1.6	0
24/11/2022 05:30	1.1	242	19	2	0
24/11/2022 05:40	0.8	243	18	1.4	0
24/11/2022 05:50	0.3	253	7	0.8	0
24/11/2022 06:00					0
24/11/2022 06:10					0
24/11/2022 06:20					0
24/11/2022 06:30					0
24/11/2022 06:40					0
24/11/2022 06:50					0
24/11/2022 07:00					0
24/11/2022 07:10					0
24/11/2022 07:20					0
24/11/2022 07:30					0
24/11/2022 07:40					0
24/11/2022 07:50					0
24/11/2022 08:00					0
24/11/2022 08:10					0
24/11/2022 08:20					0
24/11/2022 08:30					0
24/11/2022 08:40					0
24/11/2022 08:50					0
24/11/2022 09:00					0
24/11/2022 09:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/11/2022 09:20					0
24/11/2022 09:30					0
24/11/2022 09:40					0
24/11/2022 09:50					0
24/11/2022 10:00					0
24/11/2022 10:10					0
24/11/2022 10:20					0
24/11/2022 10:30					0
24/11/2022 10:40					0
24/11/2022 10:50					0
24/11/2022 11:00					0
24/11/2022 11:10					0
24/11/2022 11:20					0
24/11/2022 11:30					0
24/11/2022 11:40					0
24/11/2022 11:50					0
24/11/2022 12:00					0
24/11/2022 12:10					0
24/11/2022 12:20	0.4	14	12	3.8	0
24/11/2022 12:30	1.4	28	24	4.2	0.3
24/11/2022 12:40	2.7	16	33	4.5	0
24/11/2022 12:50	2.8	16	30	4.4	0
24/11/2022 13:00	2.6	21	32	4.4	0
24/11/2022 13:10	2.5	350	33	4.1	0
24/11/2022 13:20	2.7	351	32	4.2	0
24/11/2022 13:30	2.7	178	37	4.6	0
24/11/2022 13:40	3	339	26	4.6	0
24/11/2022 13:50	2.4	347	28	4.3	0
24/11/2022 14:00	2.4	2	30	4	0
24/11/2022 14:10	2.3	4	41	4.4	0
24/11/2022 14:20	2.1	340	36	4	0
24/11/2022 14:30	2.5	353	35	4.2	0
24/11/2022 14:40	2.3	333	32	4	0
24/11/2022 14:50	2.3	169	35	4.3	0
24/11/2022 15:00	2.4	359	39	3.9	0
24/11/2022 15:10	3	348	27	5	0
24/11/2022 15:20	2.6	165	33	4.8	0
24/11/2022 15:30	3	327	30	4.9	0
24/11/2022 15:40	3	319	20	4.8	0
24/11/2022 15:50	3.1	174	30	4.8	0
24/11/2022 16:00	2.8	174	34	5.2	0
24/11/2022 16:10	3	332	25	4.7	0
24/11/2022 16:20	3.3	339	27	5.1	0
24/11/2022 16:30	3.5	350	30	5.6	0
24/11/2022 16:40	3.3	338	32	5.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/11/2022 16:50	3.2	327	27	5.9	0
24/11/2022 17:00	3.4	319	29	5.3	0
24/11/2022 17:10	3.4	323	26	5.5	0
24/11/2022 17:20	3.1	318	27	4.8	0
24/11/2022 17:30	3.2	312	26	5.6	0
24/11/2022 17:40	3.4	325	24	5.7	0
24/11/2022 17:50	2.9	313	33	5	0
24/11/2022 18:00	3.2	315	32	4.8	0
24/11/2022 18:10	2.6	299	35	4.8	0
24/11/2022 18:20	2.6	301	47	5.3	0
24/11/2022 18:30	2.5	292	41	4	0
24/11/2022 18:40	2.4	301	40	4.3	0
24/11/2022 18:50	2.3	275	40	4	0
24/11/2022 19:00	2.1	292	41	3.4	0
24/11/2022 19:10	2.4	264	36	3.8	0
24/11/2022 19:20	2.4	272	33	3.6	0
24/11/2022 19:30	2.4	265	33	3.6	0
24/11/2022 19:40	2.7	259	27	4.1	0
24/11/2022 19:50	2.3	259	27	3.6	0
24/11/2022 20:00	2.5	266	34	4.4	0
24/11/2022 20:10	2.7	257	21	4.2	0
24/11/2022 20:20	2.5	256	22	3.9	0
24/11/2022 20:30	2.8	257	17	4	0
24/11/2022 20:40	3	253	18	4	0
24/11/2022 20:50	2.5	263	26	3.6	0
24/11/2022 21:00	2.5	255	20	3.7	0
24/11/2022 21:10	2.6	266	23	4.3	0
24/11/2022 21:20	2.6	257	17	4	0
24/11/2022 21:30	3.1	249	14	4.4	0
24/11/2022 21:40	2.8	253	17	4	0
24/11/2022 21:50	3.1	251	16	4.6	0
24/11/2022 22:00	2.9	250	15	4.4	0
24/11/2022 22:10	3.1	244	18	4.5	0
24/11/2022 22:20	3.1	254	16	4.5	0
24/11/2022 22:30	2.8	250	16	4.2	0
24/11/2022 22:40	3.1	249	15	4.4	0
24/11/2022 22:50	2.9	252	16	4.8	0
24/11/2022 23:00	2.7	249	15	4.1	0
24/11/2022 23:10	2.5	253	17	3.8	0
24/11/2022 23:20	2.6	253	20	4	0
24/11/2022 23:30	2.5	243	19	3.9	0
24/11/2022 23:40	2.3	241	20	3.3	0
24/11/2022 23:50	2.3	242	17	3.6	0
25/11/2022 00:00	2.3	243	18	3.5	0
25/11/2022 00:10	2.2	239	16	3.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/11/2022 00:20	2.3	247	16	3.1	0
25/11/2022 00:30	2.1	249	16	3.5	0
25/11/2022 00:40	1.9	245	15	2.8	0
25/11/2022 00:50	1.9	251	15	2.9	0
25/11/2022 01:00	1.9	247	18	2.6	0
25/11/2022 01:10	1.6	246	19	2.4	0
25/11/2022 01:20	1.3	246	14	1.9	0
25/11/2022 01:30	1.3	250	13	1.8	0
25/11/2022 01:40	1.1	252	12	1.6	0
25/11/2022 01:50	1.4	253	11	2	0
25/11/2022 02:00	1.5	260	17	2.3	0
25/11/2022 02:10	1.2	279	18	1.8	0
25/11/2022 02:20	1	269	20	1.5	0
25/11/2022 02:30	1.6	246	13	2.4	0
25/11/2022 02:40	1.2	265	22	2	0
25/11/2022 02:50	1.7	254	18	2.4	0
25/11/2022 03:00	1.6	259	19	2.4	0
25/11/2022 03:10	1.8	253	14	2.8	0
25/11/2022 03:20	2.1	248	11	3	0
25/11/2022 03:30	1.2	274	22	2	0
25/11/2022 03:40	1.6	253	27	2.5	0
25/11/2022 03:50	1.9	246	13	2.7	0
25/11/2022 04:00	1.3	267	19	2.1	0
25/11/2022 04:10	1.1	263	21	1.8	0
25/11/2022 04:20	1	227	13	1.5	0
25/11/2022 04:30	0.9	303	25	1.6	0
25/11/2022 04:40	0.9	264	28	1.4	0
25/11/2022 04:50	1.2	235	17	1.7	0
25/11/2022 05:00	1.3	260	22	2	0
25/11/2022 05:10	0.8	241	19	1.6	0
25/11/2022 05:20	0.9	239	18	1.5	0
25/11/2022 05:30	1.3	255	12	1.8	0
25/11/2022 05:40	1.5	256	14	2	0
25/11/2022 05:50	0.9	238	24	1.4	0
25/11/2022 06:00	0.6	225	23	1.3	0
25/11/2022 06:10	1	126	43	1.6	0
25/11/2022 06:20	0.5	300	32	1.1	0
25/11/2022 06:30	0.9	172	44	1.6	0
25/11/2022 06:40	1.1	340	36	1.9	0
25/11/2022 06:50	0.9	313	46	1.4	0
25/11/2022 07:00	1.5	167	24	2.4	0
25/11/2022 07:10	1.1	326	36	1.6	0
25/11/2022 07:20	1.2	175	30	1.7	0
25/11/2022 07:30	1.3	184	40	2.3	0
25/11/2022 07:40	1.4	182	36	2.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/11/2022 07:50	1.5	12	35	2.5	0
25/11/2022 08:00	1.7	17	30	3.2	0
25/11/2022 08:10	1.6	180	37	2.6	0
25/11/2022 08:20	1.5	186	35	2.4	0
25/11/2022 08:30	1.7	3	30	3.1	0
25/11/2022 08:40	1.7	21	33	3	0
25/11/2022 08:50	1.6	186	35	2.8	0
25/11/2022 09:00	2.1	180	30	3.2	0
25/11/2022 09:10	1.6	348	45	2.6	0
25/11/2022 09:20	1.4	329	45	2.7	0
25/11/2022 09:30	1.6	314	35	3	0
25/11/2022 09:40	1.7	169	42	3.3	0
25/11/2022 09:50	2	321	36	3.4	0
25/11/2022 10:00	1.8	317	47	3	0
25/11/2022 10:10	1.9	319	35	2.8	0
25/11/2022 10:20	1.7	347	42	2.8	0
25/11/2022 10:30	2.3	318	31	3.6	0
25/11/2022 10:40	1.9	342	44	3.3	0
25/11/2022 10:50	2.3	322	33	4	0
25/11/2022 11:00	2	329	55	3.4	0
25/11/2022 11:10	2.1	330	42	3.6	0
25/11/2022 11:20	2.2	305	45	3.9	0
25/11/2022 11:30	2.6	324	29	4.7	0
25/11/2022 11:40	2.7	308	35	4.3	0
25/11/2022 11:50	2.3	324	37	4	0
25/11/2022 12:00	2.6	315	40	4.5	0
25/11/2022 12:10	2.5	317	39	4.2	0
25/11/2022 12:20	2.7	334	31	4.4	0
25/11/2022 12:30	2.7	332	35	4.2	0
25/11/2022 12:40	2.5	339	34	4	0
25/11/2022 12:50	2	349	45	3.6	0
25/11/2022 13:00	2.5	336	44	4	0
25/11/2022 13:10	2.6	312	30	4.3	0
25/11/2022 13:20	2.8	322	33	5	0
25/11/2022 13:30	2.7	330	28	4.4	0
25/11/2022 13:40	2.9	328	30	4.7	0
25/11/2022 13:50	2.9	328	27	4.5	0
25/11/2022 14:00	2.9	333	31	5	0
25/11/2022 14:10	2.7	332	35	4.5	0
25/11/2022 14:20	3.3	347	29	5.6	0
25/11/2022 14:30	2.7	343	34	4.3	0
25/11/2022 14:40	3.1	341	36	5.2	0
25/11/2022 14:50	2.9	330	34	5.4	0
25/11/2022 15:00	3.3	338	33	5.8	0
25/11/2022 15:10	2.9	341	41	5.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/11/2022 15:20	3.1	331	32	5.6	0
25/11/2022 15:30	3.3	341	35	5.6	0
25/11/2022 15:40	3.4	336	34	5.9	0
25/11/2022 15:50	3.1	341	34	5.5	0
25/11/2022 16:00	3.2	315	27	5.2	0
25/11/2022 16:10	3.1	316	28	5.3	0
25/11/2022 16:20	3.1	327	27	5.2	0
25/11/2022 16:30	3.5	319	30	6	0
25/11/2022 16:40	3.6	320	27	5.8	0
25/11/2022 16:50	3.3	317	30	5.5	0
25/11/2022 17:00	3.1	314	33	5.1	0
25/11/2022 17:10	3.1	317	30	5	0
25/11/2022 17:20	2.7	309	37	5.1	0
25/11/2022 17:30	2.8	317	37	4.7	0
25/11/2022 17:40	2.6	301	34	4.4	0
25/11/2022 17:50	2.8	302	34	4.4	0
25/11/2022 18:00	2.6	320	34	4.6	0
25/11/2022 18:10	2.5	310	38	4.5	0
25/11/2022 18:20	2	291	44	4	0
25/11/2022 18:30	1.9	293	46	3.2	0
25/11/2022 18:40	2.4	311	33	4	0
25/11/2022 18:50	2.3	315	27	3.9	0
25/11/2022 19:00	1.6	270	41	2.8	0
25/11/2022 19:10	2.3	257	22	3.7	0
25/11/2022 19:20	2	262	29	3.5	0
25/11/2022 19:30	2.3	258	24	3.5	0
25/11/2022 19:40	2.2	268	29	3.4	0
25/11/2022 19:50	2.1	259	22	3.6	0
25/11/2022 20:00	2.5	253	16	3.6	0
25/11/2022 20:10	2.8	251	16	4.1	0
25/11/2022 20:20	2.5	257	21	3.9	0
25/11/2022 20:30	2	266	23	3.3	0
25/11/2022 20:40	2.8	252	16	4	0
25/11/2022 20:50	2.8	253	17	4.4	0
25/11/2022 21:00	2.9	250	15	4.1	0
25/11/2022 21:10	3.4	245	16	5.2	0
25/11/2022 21:20	2.9	249	18	4.2	0
25/11/2022 21:30	2.9	254	15	4.2	0
25/11/2022 21:40	2.6	253	18	3.9	0
25/11/2022 21:50	3.1	257	15	4.8	0
25/11/2022 22:00	2.8	250	15	4.1	0
25/11/2022 22:10	2.7	250	15	4.1	0
25/11/2022 22:20	3	247	16	4.4	0
25/11/2022 22:30	2.9	252	14	4.1	0
25/11/2022 22:40	3.3	250	14	4.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/11/2022 22:50	3.5	250	16	4.8	0
25/11/2022 23:00	3.2	249	15	4.7	0
25/11/2022 23:10	3.3	247	16	4.6	0
25/11/2022 23:20	3.6	253	13	5.2	0
25/11/2022 23:30	3	259	20	4.4	0
25/11/2022 23:40	3.3	250	14	4.9	0
25/11/2022 23:50	3.1	257	16	4.6	0
26/11/2022 00:00	3.1	254	16	4.2	0
26/11/2022 00:10	3.2	256	15	4.7	0
26/11/2022 00:20	2.9	260	15	4.7	0
26/11/2022 00:30	3.6	255	17	5.5	0
26/11/2022 00:40	3	260	21	4.7	0
26/11/2022 00:50	3.2	255	15	4.8	0
26/11/2022 01:00	3.3	257	15	5.1	0
26/11/2022 01:10	3.4	259	20	5.8	0
26/11/2022 01:20	3.4	257	16	4.8	0
26/11/2022 01:30	3.5	256	16	5.5	0
26/11/2022 01:40	3.4	257	17	5.1	0
26/11/2022 01:50	3.6	255	15	6.4	0
26/11/2022 02:00	3.6	254	16	6	0
26/11/2022 02:10	3.5	252	17	5.5	0
26/11/2022 02:20	3.2	252	15	4.8	0
26/11/2022 02:30	3.3	252	17	4.9	0
26/11/2022 02:40	3.2	248	16	4.4	0
26/11/2022 02:50	3.2	243	18	4.8	0
26/11/2022 03:00	2.8	246	21	4.4	0
26/11/2022 03:10	2.6	249	17	3.9	0
26/11/2022 03:20	2.8	246	20	4.5	0
26/11/2022 03:30	2.6	240	17	4.1	0
26/11/2022 03:40	2.5	247	18	4	0
26/11/2022 03:50	2.5	243	19	4	0
26/11/2022 04:00	2.5	244	18	3.6	0
26/11/2022 04:10	3.1	250	15	4.4	0
26/11/2022 04:20	3.5	244	18	4.8	0
26/11/2022 04:30	3	247	17	4.6	0
26/11/2022 04:40	3.3	248	17	5.6	0
26/11/2022 04:50	3.3	257	15	4.8	0
26/11/2022 05:00	3	254	18	4.3	0
26/11/2022 05:10	2.9	250	18	4.3	0
26/11/2022 05:20	3.3	253	15	4.9	0
26/11/2022 05:30	3.3	252	16	5.3	0
26/11/2022 05:40	2.9	252	15	4.1	0
26/11/2022 05:50	2.5	249	17	3.6	0
26/11/2022 06:00	2.3	252	17	3.9	0
26/11/2022 06:10	2.1	250	19	3.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/11/2022 06:20	2.3	255	17	3	0
26/11/2022 06:30	2.4	248	16	3.6	0
26/11/2022 06:40	2.6	241	17	3.6	0
26/11/2022 06:50	2.6	230	18	3.7	0
26/11/2022 07:00	2.4	240	19	3.3	0
26/11/2022 07:10	2.4	249	22	3.7	0
26/11/2022 07:20	2.8	245	21	4	0
26/11/2022 07:30	2.7	220	20	4.4	0
26/11/2022 07:40	2.6	240	22	3.9	0
26/11/2022 07:50	2.8	249	19	3.9	0
26/11/2022 08:00	2.2	249	27	3.4	0
26/11/2022 08:10	2.5	263	21	4	0
26/11/2022 08:20	2.5	242	27	3.6	0
26/11/2022 08:30	2.6	214	26	4.1	0
26/11/2022 08:40	2.1	199	37	3.6	0
26/11/2022 08:50	2.1	214	30	3.6	0
26/11/2022 09:00	1.8	185	43	3.6	0
26/11/2022 09:10	2.1	257	37	3.8	0
26/11/2022 09:20	1.8	249	45	3.6	0
26/11/2022 09:30	1.5	259	60	2.8	0
26/11/2022 09:40	2.2	260	36	4	0
26/11/2022 09:50	2.1	263	32	3.5	0
26/11/2022 10:00	1.4	291	49	2.4	0
26/11/2022 10:10	1.8	262	59	3.2	0
26/11/2022 10:20	2.4	335	27	4.2	0
26/11/2022 10:30	2.4	337	28	4.1	0
26/11/2022 10:40	2.5	342	25	4.1	0
26/11/2022 10:50	2.9	320	28	4.4	0
26/11/2022 11:00	2.8	330	29	4.6	0
26/11/2022 11:10	2.9	337	32	4.2	0
26/11/2022 11:20	3.2	318	24	5.2	0
26/11/2022 11:30	3.3	323	27	4.8	0
26/11/2022 11:40	3.5	317	29	5.5	0
26/11/2022 11:50	3.7	319	25	5.2	0
26/11/2022 12:00	3.9	323	28	6	0
26/11/2022 12:10	3.5	324	27	5.6	0
26/11/2022 12:20	3.2	329	28	5.6	0
26/11/2022 12:30	3.4	328	25	5.2	0
26/11/2022 12:40	2.8	322	38	4.6	0
26/11/2022 12:50	3.1	315	38	5.4	0
26/11/2022 13:00	2.6	283	34	4.6	0
26/11/2022 13:10	2.9	308	40	4.9	0
26/11/2022 13:20	2.6	301	42	4.5	0
26/11/2022 13:30	3.1	280	33	5.2	0
26/11/2022 13:40	3.2	268	39	5.5	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/11/2022 13:50	3.1	284	43	5.8	0
26/11/2022 14:00	3.1	300	38	5.7	0
26/11/2022 14:10	3.3	273	38	5.6	0
26/11/2022 14:20	3	304	39	5.2	0
26/11/2022 14:30	3.1	305	38	5.6	0
26/11/2022 14:40	2.9	292	42	5.2	0
26/11/2022 14:50	3	307	38	5.3	0
26/11/2022 15:00	3.3	316	24	5.2	0
26/11/2022 15:10	2.9	314	35	5.5	0
26/11/2022 15:20	2.9	325	32	5.1	0
26/11/2022 15:30	3.4	315	31	5.2	0
26/11/2022 15:40	3	310	30	4.9	0
26/11/2022 15:50	3.1	313	27	4.6	0
26/11/2022 16:00	3	322	28	4.6	0
26/11/2022 16:10	2.9	319	30	4.9	0
26/11/2022 16:20	2.9	292	39	4.4	0
26/11/2022 16:30	2.4	288	36	4.3	0
26/11/2022 16:40	2.3	281	41	4.4	0
26/11/2022 16:50	2.7	310	32	4.3	0
26/11/2022 17:00	3.1	325	27	4.9	0
26/11/2022 17:10	2.8	310	31	4.8	0
26/11/2022 17:20	2.3	285	34	3.9	0
26/11/2022 17:30	2.7	286	29	4.3	0
26/11/2022 17:40	2.7	280	34	4.1	0
26/11/2022 17:50	2.7	263	28	3.9	0
26/11/2022 18:00	2.3	279	33	3.9	0
26/11/2022 18:10	2.5	271	30	4.5	0
26/11/2022 18:20	2.1	265	28	3.3	0
26/11/2022 18:30	2.4	262	28	4.4	0
26/11/2022 18:40	2.2	258	30	3.6	0
26/11/2022 18:50	2.9	248	15	4.3	0
26/11/2022 19:00	3.1	256	22	4.5	0
26/11/2022 19:10	4.1	248	17	6.8	0
26/11/2022 19:20	3.5	255	19	5.9	0
26/11/2022 19:30	3.6	248	18	5.6	0
26/11/2022 19:40	3.2	252	16	4.6	0
26/11/2022 19:50	3.2	261	20	5.5	0
26/11/2022 20:00	3.8	255	18	5.8	0
26/11/2022 20:10	3.3	257	19	4.9	0
26/11/2022 20:20	2.9	258	20	4.5	0
26/11/2022 20:30	3.5	255	16	5.2	0
26/11/2022 20:40	3.6	258	21	5.7	0
26/11/2022 20:50	4	254	20	6.1	0
26/11/2022 21:00	3.5	253	15	5.2	0
26/11/2022 21:10	2.9	263	24	5.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/11/2022 21:20	2.1	275	30	4	0
26/11/2022 21:30	3.2	268	24	6.1	0
26/11/2022 21:40	4.5	254	18	6.7	0
26/11/2022 21:50	4.3	260	20	7.3	0
26/11/2022 22:00	4.2	259	20	7	0
26/11/2022 22:10	4.2	254	19	7.1	0
26/11/2022 22:20	4.5	256	16	6.9	0
26/11/2022 22:30	3.8	261	16	5.7	0
26/11/2022 22:40	4	261	18	5.9	0
26/11/2022 22:50	4.2	257	18	5.8	0
26/11/2022 23:00	4.3	259	14	6.5	0
26/11/2022 23:10	4.6	256	15	6.8	0
26/11/2022 23:20	4.9	260	16	7.6	0
26/11/2022 23:30	4.3	258	15	6	0
26/11/2022 23:40	4.6	258	16	6.6	0
26/11/2022 23:50	4.4	258	16	6.2	0
27/11/2022 00:00	4.8	256	15	7.7	0
27/11/2022 00:10	4.7	257	17	7	0
27/11/2022 00:20	4.8	255	15	6.5	0
27/11/2022 00:30	4.4	257	18	6.4	0
27/11/2022 00:40	4.4	255	16	5.9	0
27/11/2022 00:50	4.4	257	17	6.2	0
27/11/2022 01:00	4.7	259	16	6.6	0
27/11/2022 01:10	4.5	261	17	6.4	0
27/11/2022 01:20	4.8	258	14	6.4	0
27/11/2022 01:30	4.4	260	16	6.3	0
27/11/2022 01:40	4.1	259	19	6.1	0
27/11/2022 01:50	4.3	252	18	6	0
27/11/2022 02:00	4.4	252	14	6.7	0
27/11/2022 02:10	4.4	254	15	6.4	0
27/11/2022 02:20	4.2	256	15	5.9	0
27/11/2022 02:30	3.9	257	15	5.6	0
27/11/2022 02:40	3.4	255	16	4.6	0
27/11/2022 02:50	3.8	244	17	5.9	0
27/11/2022 03:00	3.8	244	16	5.4	0
27/11/2022 03:10	3.5	247	18	5.6	0
27/11/2022 03:20	3.6	250	17	5.6	0
27/11/2022 03:30	3.5	246	16	5.4	0
27/11/2022 03:40	3.2	251	17	5	0
27/11/2022 03:50	3	247	18	5.2	0
27/11/2022 04:00	2.9	247	17	4.3	0
27/11/2022 04:10	3	253	15	4.4	0
27/11/2022 04:20	2.6	251	17	4.3	0
27/11/2022 04:30	2.5	257	15	3.6	0
27/11/2022 04:40	3	261	14	4.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/11/2022 04:50	3.1	262	16	4.3	0
27/11/2022 05:00	3	263	15	4.1	0
27/11/2022 05:10	2.9	269	14	4.1	0
27/11/2022 05:20	2.5	270	16	3.4	0
27/11/2022 05:30	2.2	270	16	3.2	0
27/11/2022 05:40	2.1	273	16	3.1	0
27/11/2022 05:50	1.9	272	17	2.8	0
27/11/2022 06:00	2	284	18	3.1	0
27/11/2022 06:10	1.5	283	26	2.5	0
27/11/2022 06:20	1.4	278	19	2.4	0
27/11/2022 06:30	1.4	281	26	2	0
27/11/2022 06:40	1.6	243	17	2.4	0
27/11/2022 06:50	1.4	240	25	2.4	0
27/11/2022 07:00	0.9	239	51	2	0
27/11/2022 07:10	1.7	152	30	3.1	0
27/11/2022 07:20	1.6	149	31	2.5	0
27/11/2022 07:30	1.8	146	26	2.5	0
27/11/2022 07:40	1.6	124	32	2.9	0
27/11/2022 07:50	1.7	116	29	2.8	0
27/11/2022 08:00	1.7	121	28	2.6	0
27/11/2022 08:10	1.8	113	26	3.1	0
27/11/2022 08:20	1.8	112	30	3.7	0
27/11/2022 08:30	1.8	94	29	2.8	0
27/11/2022 08:40	1.9	100	26	2.8	0
27/11/2022 08:50	2	101	27	3.2	0
27/11/2022 09:00	2	99	29	3.6	0
27/11/2022 09:10	2.2	100	25	3.6	0
27/11/2022 09:20	1.7	95	31	3.2	0
27/11/2022 09:30	2	95	33	3.2	0
27/11/2022 09:40	2	124	33	4	0
27/11/2022 09:50	2.1	99	30	4.1	0
27/11/2022 10:00	2.2	74	28	3.7	0
27/11/2022 10:10	2.1	78	26	3.8	0
27/11/2022 10:20	2.4	65	25	4.4	0
27/11/2022 10:30	2.7	69	23	3.9	0
27/11/2022 10:40	2.7	57	24	4	0
27/11/2022 10:50	2.6	53	25	4.1	0
27/11/2022 11:00	2.5	53	26	3.8	0
27/11/2022 11:10	2.7	46	23	4.4	0
27/11/2022 11:20	2.5	59	25	4.4	0
27/11/2022 11:30	2.7	55	24	4.6	0
27/11/2022 11:40	3.2	52	20	5.5	0
27/11/2022 11:50	2.8	60	23	4.6	0
27/11/2022 12:00	2.9	61	24	4.4	0
27/11/2022 12:10	3	57	23	4.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/11/2022 12:20	3.3	54	21	5.1	0
27/11/2022 12:30	3.3	58	20	5.2	0
27/11/2022 12:40	3.5	55	21	5.2	0
27/11/2022 12:50	3.2	55	23	4.8	0
27/11/2022 13:00	2.9	69	19	4.4	0
27/11/2022 13:10	3	67	20	4.4	0
27/11/2022 13:20	2.6	39	30	4.4	0
27/11/2022 13:30	2.3	345	42	4.2	0
27/11/2022 13:40	3.1	336	30	5.4	0
27/11/2022 13:50	2.8	322	32	4.5	0
27/11/2022 14:00	3	329	29	4.9	0
27/11/2022 14:10	3.2	312	31	5.4	0
27/11/2022 14:20	3.2	316	33	5.2	0
27/11/2022 14:30	3.1	296	45	4.8	0
27/11/2022 14:40	2.9	311	42	5.5	0
27/11/2022 14:50	2.8	301	49	4.6	0
27/11/2022 15:00	3.1	316	34	5.6	0
27/11/2022 15:10	2.9	302	46	5.2	0
27/11/2022 15:20	2.9	322	31	5.2	0
27/11/2022 15:30	3	307	31	4.8	0
27/11/2022 15:40	2.4	311	42	4.4	0
27/11/2022 15:50	2.6	335	30	4.4	0
27/11/2022 16:00	3.2	315	28	5	0
27/11/2022 16:10	3.1	317	28	4.9	0
27/11/2022 16:20	2.9	318	35	4.8	0
27/11/2022 16:30	3	304	36	5.2	0
27/11/2022 16:40	2.8	294	42	4.7	0
27/11/2022 16:50	2.2	284	42	3.6	0
27/11/2022 17:00	2.1	295	53	4	0
27/11/2022 17:10	2.3	309	34	4	0
27/11/2022 17:20	2.1	312	39	4.4	0
27/11/2022 17:30	2.3	305	37	3.9	0
27/11/2022 17:40	2.1	289	40	3.9	0
27/11/2022 17:50	2.3	322	32	4.4	0
27/11/2022 18:00	2	314	40	4.1	0
27/11/2022 18:10	2.3	311	30	3.8	0
27/11/2022 18:20	2.3	317	35	4.6	0
27/11/2022 18:30	2	265	36	3.2	0
27/11/2022 18:40	2	257	29	3.1	0
27/11/2022 18:50	2.2	255	28	3.8	0
27/11/2022 19:00	2.7	255	23	4.1	0
27/11/2022 19:10	2.2	268	26	3.5	0
27/11/2022 19:20	2.9	264	26	5.1	0
27/11/2022 19:30	3.9	255	16	5.6	0
27/11/2022 19:40	3.5	259	21	5.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/11/2022 19:50	3	257	21	5.6	0
27/11/2022 20:00	2.2	256	27	4	0
27/11/2022 20:10	2.4	257	24	4.3	0
27/11/2022 20:20	3.5	251	20	6.2	0
27/11/2022 20:30	2.3	259	23	4.2	0
27/11/2022 20:40	3.8	254	19	6	0
27/11/2022 20:50	3.9	256	20	6.4	0
27/11/2022 21:00	3.8	256	17	5.7	0
27/11/2022 21:10	3.6	248	18	6	0
27/11/2022 21:20	4.2	253	21	6.7	0
27/11/2022 21:30	3	259	18	4.9	0
27/11/2022 21:40	2.5	260	26	4.2	0
27/11/2022 21:50	2.1	258	29	3.9	0
27/11/2022 22:00	1.9	270	44	3.3	0
27/11/2022 22:10	2.2	254	25	3.4	0
27/11/2022 22:20	2.8	267	25	5.3	0
27/11/2022 22:30	3.5	261	26	5.7	0
27/11/2022 22:40	3.9	260	23	6.8	0
27/11/2022 22:50	4.3	255	17	6.6	0
27/11/2022 23:00	4.3	253	17	7.1	0
27/11/2022 23:10	3.9	259	14	6	0
27/11/2022 23:20	3.3	257	18	5.3	0
27/11/2022 23:30	3.6	256	17	5.3	0
27/11/2022 23:40	3.9	260	17	6	0
27/11/2022 23:50	4	256	14	6	0
28/11/2022 00:00	4.4	253	15	6.3	0
28/11/2022 00:10	4	255	15	6.2	0
28/11/2022 00:20	3.6	257	18	5.5	0
28/11/2022 00:30	3.9	252	15	5.6	0
28/11/2022 00:40	4.3	257	16	6	0
28/11/2022 00:50	4.3	260	16	5.7	0
28/11/2022 01:00	4	252	16	6	0
28/11/2022 01:10	3.9	254	14	5.7	0
28/11/2022 01:20	4.1	258	14	5.5	0
28/11/2022 01:30	3.8	257	15	5.9	0
28/11/2022 01:40	4.1	258	14	6.2	0
28/11/2022 01:50	3.9	261	16	6.1	0
28/11/2022 02:00	4.2	266	18	6	0
28/11/2022 02:10	4.2	259	16	6	0
28/11/2022 02:20	3.9	260	19	5.3	0
28/11/2022 02:30	4.5	258	13	6.6	0
28/11/2022 02:40	4.7	253	15	6.7	0
28/11/2022 02:50	4.9	257	14	6.8	0
28/11/2022 03:00	4.7	259	14	6.7	0
28/11/2022 03:10	3.9	257	14	6.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/11/2022 03:20	4.7	253	16	6.9	0
28/11/2022 03:30	4.4	254	18	6.6	0
28/11/2022 03:40	4.8	257	13	6.8	0
28/11/2022 03:50	4.5	257	15	6.4	0
28/11/2022 04:00	4.4	256	15	6.5	0
28/11/2022 04:10	4.8	258	15	6.8	0
28/11/2022 04:20	4.9	256	16	6.4	0
28/11/2022 04:30	4.2	256	16	5.7	0
28/11/2022 04:40	4.9	258	13	6.6	0
28/11/2022 04:50	4.3	258	14	6.3	0
28/11/2022 05:00	4.3	256	14	6	0
28/11/2022 05:10	4.2	253	16	6.9	0
28/11/2022 05:20	4.7	258	15	7.2	0
28/11/2022 05:30	4.6	258	15	6.4	0
28/11/2022 05:40	4.6	257	15	6.3	0
28/11/2022 05:50	4	253	16	6.4	0
28/11/2022 06:00	4.3	250	14	6.6	0
28/11/2022 06:10	4.1	248	17	6.1	0
28/11/2022 06:20	4.2	255	16	6.1	0
28/11/2022 06:30	4.5	256	14	6.5	0
28/11/2022 06:40	4.5	255	15	6	0
28/11/2022 06:50	4.1	249	19	6.4	0
28/11/2022 07:00	4.9	253	16	6.6	0
28/11/2022 07:10	4	245	19	5.6	0
28/11/2022 07:20	4.3	240	17	6.3	0
28/11/2022 07:30	3.8	235	16	5	0
28/11/2022 07:40	3.2	238	21	4.5	0
28/11/2022 07:50	2.1	264	22	3.3	0
28/11/2022 08:00	2.1	235	30	3.5	0
28/11/2022 08:10	1.4	142	43	2.2	0
28/11/2022 08:20	1.6	157	30	2.5	0
28/11/2022 08:30	1.9	108	27	3.1	0
28/11/2022 08:40	1.5	113	31	2.4	0
28/11/2022 08:50	1.5	120	37	2.6	0
28/11/2022 09:00	1.5	132	33	2.4	0
28/11/2022 09:10	1.4	145	36	2.6	0
28/11/2022 09:20	1.1	153	54	2.1	0
28/11/2022 09:30	1.1	36	53	1.8	0
28/11/2022 09:40	1.4	156	63	3	0
28/11/2022 09:50	1.9	233	29	3.5	0
28/11/2022 10:00	2.2	239	46	4	0
28/11/2022 10:10	1.7	279	48	3.5	0
28/11/2022 10:20	2.1	256	34	3.6	0
28/11/2022 10:30	1.6	226	54	3.1	0
28/11/2022 10:40	1.3	91	72	2.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/11/2022 10:50	1.4	159	54	2.8	0
28/11/2022 11:00	1.8	307	52	3.2	0
28/11/2022 11:10	2	327	37	3.3	0
28/11/2022 11:20	2.2	310	31	3.6	0
28/11/2022 11:30	2.3	293	36	3.5	0
28/11/2022 11:40	2.3	263	44	3.4	0
28/11/2022 11:50	2.4	261	38	4.3	0
28/11/2022 12:00	2.2	278	47	4.1	0
28/11/2022 12:10	2.6	301	35	4.2	0
28/11/2022 12:20	2.4	290	47	4	0
28/11/2022 12:30	2.5	270	38	3.9	0
28/11/2022 12:40	2.7	275	35	4.7	0
28/11/2022 12:50	2.4	325	24	3.9	0
28/11/2022 13:00	2.7	311	30	4.2	0
28/11/2022 13:10	3	323	33	4.7	0
28/11/2022 13:20	3.1	308	34	6	0
28/11/2022 13:30	2.6	305	46	4.4	0
28/11/2022 13:40	3	269	38	5.4	0
28/11/2022 13:50	3.3	282	36	5.2	0
28/11/2022 14:00	3.4	263	31	5.2	0
28/11/2022 14:10	3.3	260	26	5.3	0
28/11/2022 14:20	3	276	43	4.4	0
28/11/2022 14:30	2.9	268	31	4.8	0
28/11/2022 14:40	3.7	256	22	5.5	0
28/11/2022 14:50	4.5	241	17	6.2	0
28/11/2022 15:00	3.9	248	16	5.5	0
28/11/2022 15:10	3.8	244	19	5.8	0
28/11/2022 15:20	3.7	248	20	6	0
28/11/2022 15:30	3.2	260	23	4.7	0
28/11/2022 15:40	3.9	247	19	5.6	0
28/11/2022 15:50	4.1	244	15	5.6	0
28/11/2022 16:00	3.7	251	17	5.7	0
28/11/2022 16:10	3.7	245	21	5.2	0
28/11/2022 16:20	4.4	238	14	5.8	0
28/11/2022 16:30	4	243	16	5.8	0
28/11/2022 16:40	3.6	237	14	4.9	0
28/11/2022 16:50	3.4	231	16	4.8	0
28/11/2022 17:00	3.4	232	15	4.8	0
28/11/2022 17:10	2.9	240	18	4.5	0
28/11/2022 17:20	3	242	17	4.7	0
28/11/2022 17:30	2.9	231	17	4.4	0
28/11/2022 17:40	3	248	19	4.7	0
28/11/2022 17:50	3.8	240	15	5.1	0
28/11/2022 18:00	3.9	238	15	5.2	0
28/11/2022 18:10	3.7	237	15	5.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/11/2022 18:20	3.8	238	15	5.4	0
28/11/2022 18:30	4.4	244	14	5.6	0
28/11/2022 18:40	4.3	247	16	5.9	0
28/11/2022 18:50	3.9	259	18	5.8	0
28/11/2022 19:00	4.4	250	14	6.2	0
28/11/2022 19:10	3.9	254	14	5.6	0
28/11/2022 19:20	4.4	253	15	5.9	0
28/11/2022 19:30	4.2	250	16	5.9	0
28/11/2022 19:40	3.8	256	14	5.2	0
28/11/2022 19:50	3.6	252	17	6	0
28/11/2022 20:00	3.6	253	16	4.7	0
28/11/2022 20:10	4.2	248	14	6	0
28/11/2022 20:20	4	250	13	5.4	0
28/11/2022 20:30	3.6	248	16	5.2	0
28/11/2022 20:40	3.9	248	15	5.4	0
28/11/2022 20:50	3.9	252	14	5.2	0
28/11/2022 21:00	3.8	249	12	5.6	0
28/11/2022 21:10	3.7	253	14	5.7	0
28/11/2022 21:20	4.3	251	14	6.3	0
28/11/2022 21:30	4.3	251	13	6	0
28/11/2022 21:40	4.1	254	15	5.8	0
28/11/2022 21:50	3.5	259	18	5.2	0
28/11/2022 22:00	3.5	253	16	5.4	0
28/11/2022 22:10	3.8	249	17	4.9	0
28/11/2022 22:20	3.4	255	18	5.4	0
28/11/2022 22:30	3.9	250	13	5.1	0
28/11/2022 22:40	4.2	250	17	6.7	0
28/11/2022 22:50	3.7	247	16	5.1	0
28/11/2022 23:00	4	251	16	5.5	0
28/11/2022 23:10	3.7	258	17	5.8	0
28/11/2022 23:20	3.3	256	14	4.5	0
28/11/2022 23:30	3.8	250	15	5.7	0
28/11/2022 23:40	3.4	255	14	5.4	0
28/11/2022 23:50	3.6	257	18	5.2	0
29/11/2022 00:00	3.6	258	16	5.3	0
29/11/2022 00:10	3.9	255	17	5.8	0
29/11/2022 00:20	4.4	255	16	6.3	0
29/11/2022 00:30	4.1	255	18	6.4	0
29/11/2022 00:40	4.5	257	16	6.4	0
29/11/2022 00:50	4.1	259	16	6.2	0
29/11/2022 01:00	4	263	18	6.8	0
29/11/2022 01:10	4.6	261	20	6.9	0
29/11/2022 01:20	4.3	259	16	5.9	0
29/11/2022 01:30	5	258	16	6.9	0
29/11/2022 01:40	4.6	261	16	7.2	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/11/2022 01:50	5	259	14	6.8	0
29/11/2022 02:00	4.9	257	15	7.2	0
29/11/2022 02:10	4.8	258	15	7.2	0
29/11/2022 02:20	4.9	257	15	7.2	0
29/11/2022 02:30	5	257	16	6.9	0
29/11/2022 02:40	4.9	259	18	6.8	0
29/11/2022 02:50	4.9	255	14	6.8	0
29/11/2022 03:00	4.7	257	16	6.5	0
29/11/2022 03:10	4.3	260	14	5.8	0
29/11/2022 03:20	3.9	259	18	6.2	0
29/11/2022 03:30	3.4	262	21	5.2	0
29/11/2022 03:40	4.2	259	15	6.9	0
29/11/2022 03:50	4.5	257	15	6.4	0
29/11/2022 04:00	4.9	254	16	6.6	0
29/11/2022 04:10	4.6	259	16	6.8	0
29/11/2022 04:20	4.6	258	15	6.7	0
29/11/2022 04:30	5.1	257	14	6.9	0
29/11/2022 04:40	4.3	256	19	6.4	0
29/11/2022 04:50	4.9	259	14	6.8	0
29/11/2022 05:00	4.4	257	17	7.1	0
29/11/2022 05:10	5.3	252	15	7.2	0
29/11/2022 05:20	4.5	254	15	6.6	0
29/11/2022 05:30	4.8	258	15	7.2	0
29/11/2022 05:40	4.7	261	16	7.3	0
29/11/2022 05:50	4.1	254	16	5.8	0
29/11/2022 06:00	5.1	256	16	8	0
29/11/2022 06:10	4.4	251	16	6	0
29/11/2022 06:20	4.8	254	16	6.9	0
29/11/2022 06:30	4.7	253	15	6.8	0
29/11/2022 06:40	4.8	251	15	6.8	0
29/11/2022 06:50	5.4	253	15	7.2	0
29/11/2022 07:00	5.3	248	15	7.4	0
29/11/2022 07:10	5	253	17	6.9	0
29/11/2022 07:20	4.1	257	18	5.9	0
29/11/2022 07:30	4.3	257	17	6.5	0
29/11/2022 07:40	4.1	259	20	6.3	0
29/11/2022 07:50	4.2	251	15	6	0
29/11/2022 08:00	4.3	251	19	6.5	0
29/11/2022 08:10	4.1	245	19	5.7	0
29/11/2022 08:20	3.3	249	22	4.9	0
29/11/2022 08:30	3	248	21	4.8	0
29/11/2022 08:40	3.1	244	22	5.1	0
29/11/2022 08:50	3.5	221	19	5.2	0
29/11/2022 09:00	2.6	187	26	4.8	0
29/11/2022 09:10	1.9	166	45	3.7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/11/2022 09:20	1.9	182	55	4	0
29/11/2022 09:30	1.5	172	63	2.7	0
29/11/2022 09:40	1.8	156	32	2.8	0
29/11/2022 09:50	2.1	171	52	4.1	0
29/11/2022 10:00	3.1	249	20	4.8	0
29/11/2022 10:10	2.6	236	28	4.4	0
29/11/2022 10:20	1.6	319	53	2.8	0
29/11/2022 10:30	2.1	189	43	3.8	0
29/11/2022 10:40	2	137	48	4.7	0
29/11/2022 10:50	2	105	30	3.5	0
29/11/2022 11:00	1.5	57	36	3.1	0
29/11/2022 11:10	1.8	344	37	3.2	0
29/11/2022 11:20	2.4	321	29	4.3	0
29/11/2022 11:30	2.6	326	34	4	0
29/11/2022 11:40	2.7	335	36	4	0
29/11/2022 11:50	2.5	312	33	4.8	0
29/11/2022 12:00	2.7	304	34	4.2	0
29/11/2022 12:10	2.8	322	33	4.4	0
29/11/2022 12:20	2.8	314	30	4.3	0
29/11/2022 12:30	1.9	337	47	3.8	0
29/11/2022 12:40	2.2	307	48	3.3	0
29/11/2022 12:50	2.4	310	45	3.7	0
29/11/2022 13:00	2.1	322	45	3.6	0
29/11/2022 13:10	2	341	45	3.9	0
29/11/2022 13:20	2.6	342	35	4.4	0
29/11/2022 13:30	2.2	310	42	4.2	0
29/11/2022 13:40	2.3	275	53	4	0
29/11/2022 13:50	2.4	337	35	3.6	0
29/11/2022 14:00	2.7	320	39	4.2	0
29/11/2022 14:10	2.9	334	32	4.9	0
29/11/2022 14:20	3	331	28	4.7	0
29/11/2022 14:30	2.8	320	36	4.9	0
29/11/2022 14:40	3	320	39	4.7	0
29/11/2022 14:50	3.2	317	29	5.1	0
29/11/2022 15:00	3.4	316	33	5.6	0
29/11/2022 15:10	2.8	320	38	4.9	0
29/11/2022 15:20	2.7	304	43	4.1	0
29/11/2022 15:30	2.7	275	41	4.7	0
29/11/2022 15:40	2.8	285	47	4.7	0
29/11/2022 15:50	3	313	33	4.7	0
29/11/2022 16:00	3.1	325	24	4.8	0
29/11/2022 16:10	3.1	318	35	5.1	0
29/11/2022 16:20	2.8	300	37	5.3	0
29/11/2022 16:30	2.8	273	43	5.2	0
29/11/2022 16:40	2.7	294	39	4.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/11/2022 16:50	3.4	259	32	5.2	0
29/11/2022 17:00	2.6	288	39	4.4	0
29/11/2022 17:10	2.6	303	41	4.6	0
29/11/2022 17:20	3	264	28	4.9	0
29/11/2022 17:30	2.9	260	28	4.4	0
29/11/2022 17:40	2.8	267	35	4.8	0
29/11/2022 17:50	2.8	258	30	4.4	0
29/11/2022 18:00	2.5	264	28	4.2	0
29/11/2022 18:10	2.3	270	34	4.2	0
29/11/2022 18:20	2	274	34	3.2	0
29/11/2022 18:30	2.3	257	24	3.6	0
29/11/2022 18:40	2.6	254	23	4	0
29/11/2022 18:50	2.3	251	23	3.7	0
29/11/2022 19:00	3	246	15	4.5	0
29/11/2022 19:10	3	249	17	4.4	0
29/11/2022 19:20	2.7	247	18	4	0
29/11/2022 19:30	2.4	258	20	3.6	0
29/11/2022 19:40	3.1	253	16	4.7	0
29/11/2022 19:50	3.6	257	17	5.5	0
29/11/2022 20:00	3.4	255	16	4.8	0
29/11/2022 20:10	3.9	249	14	5.2	0
29/11/2022 20:20	4.1	248	13	5.8	0
29/11/2022 20:30	3.9	248	15	5.7	0
29/11/2022 20:40	4	249	13	5.9	0
29/11/2022 20:50	3.9	253	14	5.6	0
29/11/2022 21:00	4.8	246	13	6.7	0
29/11/2022 21:10	4.2	250	18	6	0
29/11/2022 21:20	4.3	253	17	6.4	0
29/11/2022 21:30	4	250	15	6.5	0
29/11/2022 21:40	4.3	248	16	6	0
29/11/2022 21:50	4.4	251	16	6	0
29/11/2022 22:00	4.6	250	14	6.6	0
29/11/2022 22:10	4.3	251	14	6	0
29/11/2022 22:20	4.4	248	14	6.4	0
29/11/2022 22:30	4.4	252	14	5.8	0
29/11/2022 22:40	3.9	251	14	5.9	0
29/11/2022 22:50	4	250	15	5.7	0
29/11/2022 23:00	3.5	246	18	4.9	0
29/11/2022 23:10	4.2	252	13	6	0
29/11/2022 23:20	3.4	242	18	5.3	0
29/11/2022 23:30	3.9	245	13	5.8	0
29/11/2022 23:40	4	251	16	5.9	0
29/11/2022 23:50	4.1	249	19	6.4	0
30/11/2022 00:00	4.3	246	16	6.2	0
30/11/2022 00:10	4	240	20	6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/11/2022 00:20	3.9	247	16	6.2	0
30/11/2022 00:30	3.3	247	19	4.8	0
30/11/2022 00:40	2.7	244	17	4.1	0
30/11/2022 00:50	2.5	241	20	3.9	0
30/11/2022 01:00	2.7	240	19	3.8	0
30/11/2022 01:10	1.5	233	17	2.4	0
30/11/2022 01:20	1.8	244	18	3.2	0
30/11/2022 01:30	1.5	243	15	2.5	0
30/11/2022 01:40	1.1	233	15	1.8	0
30/11/2022 01:50	0.8	198	21	1.2	0
30/11/2022 02:00	1.2	248	20	2.2	0
30/11/2022 02:10	2.2	251	17	3.4	0
30/11/2022 02:20	2.3	246	14	3.5	0
30/11/2022 02:30	2	253	13	2.9	0
30/11/2022 02:40	2.1	262	20	3.3	0
30/11/2022 02:50	2	260	22	3.2	0
30/11/2022 03:00	2.3	255	19	3.6	0
30/11/2022 03:10	2.2	254	23	3.4	0
30/11/2022 03:20	2.6	255	22	4	0
30/11/2022 03:30	2.5	257	22	3.9	0
30/11/2022 03:40	2.4	257	27	3.7	0
30/11/2022 03:50	2.3	257	24	3.6	0
30/11/2022 04:00	2.4	257	23	4	0
30/11/2022 04:10	2.1	255	21	3.3	0
30/11/2022 04:20	1.7	257	19	2.7	0
30/11/2022 04:30	2	256	16	3.5	0
30/11/2022 04:40	2.5	258	14	3.6	0
30/11/2022 04:50	2.5	259	18	4	0
30/11/2022 05:00	2.5	252	16	3.9	0
30/11/2022 05:10	2.6	249	17	4	0
30/11/2022 05:20	2.8	259	22	4.3	0
30/11/2022 05:30	2.4	259	20	4.6	0
30/11/2022 05:40	2.2	256	21	3.4	0
30/11/2022 05:50	2.8	250	18	4	0
30/11/2022 06:00	2.5	255	16	3.8	0
30/11/2022 06:10	2.9	250	13	4.1	0
30/11/2022 06:20	3.1	247	15	4.8	0
30/11/2022 06:30	3.5	246	17	4.9	0
30/11/2022 06:40	3.7	245	16	5.4	0
30/11/2022 06:50	3.5	244	16	5.2	0
30/11/2022 07:00	3.3	252	19	5.1	0
30/11/2022 07:10	3.7	245	19	5.7	0
30/11/2022 07:20	3.4	239	19	5.1	0
30/11/2022 07:30	3.4	245	20	5.1	0
30/11/2022 07:40	3.2	240	21	4.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/11/2022 07:50	3.7	240	18	4.8	0
30/11/2022 08:00	3.9	242	16	6	0
30/11/2022 08:10	3.7	243	19	5.8	0
30/11/2022 08:20	3.2	240	21	5	0
30/11/2022 08:30	3.4	244	18	5.2	0
30/11/2022 08:40	3.3	253	17	4.8	0
30/11/2022 08:50	3.1	254	20	4.9	0
30/11/2022 09:00	3	252	25	4.6	0
30/11/2022 09:10	2.5	248	29	4.4	0
30/11/2022 09:20	1.7	297	37	2.9	0
30/11/2022 09:30	1.8	285	33	3.1	0
30/11/2022 09:40	1.8	252	40	3.4	0
30/11/2022 09:50	2.5	281	45	3.7	0
30/11/2022 10:00	2.3	293	46	4	0
30/11/2022 10:10	2.7	237	23	4.1	0
30/11/2022 10:20	1.9	279	43	3.5	0
30/11/2022 10:30	2.1	315	34	4	0
30/11/2022 10:40	2.1	281	36	3.6	0
30/11/2022 10:50	2.3	268	42	3.6	0
30/11/2022 11:00	2.2	291	43	4	0
30/11/2022 11:10	2.6	292	42	3.9	0
30/11/2022 11:20	2.6	273	39	4.4	0
30/11/2022 11:30	2.7	299	35	4.6	0
30/11/2022 11:40	2.7	268	36	5	0
30/11/2022 11:50	2.9	312	31	4.5	0
30/11/2022 12:00	2.8	316	34	4.6	0
30/11/2022 12:10	2.9	325	31	5.1	0
30/11/2022 12:20	3	321	36	5.2	0
30/11/2022 12:30	3.1	315	28	4.8	0
30/11/2022 12:40	3	317	27	5.3	0
30/11/2022 12:50	3	277	39	5.2	0
30/11/2022 13:00	2.9	281	36	5.5	0
30/11/2022 13:10	3.3	267	33	5.8	0
30/11/2022 13:20	3	296	41	5.3	0
30/11/2022 13:30	3.4	275	38	5.3	0
30/11/2022 13:40	2.9	298	43	5.2	0
30/11/2022 13:50	3	302	40	5.3	0
30/11/2022 14:00	3.6	322	29	5.6	0
30/11/2022 14:10	3.7	319	22	5.9	0
30/11/2022 14:20	3.6	293	28	5.3	0
30/11/2022 14:30	3.3	288	41	5.5	0
30/11/2022 14:40	3.1	282	39	5	0
30/11/2022 14:50	3.6	255	27	5.4	0
30/11/2022 15:00	3.4	283	35	5.3	0
30/11/2022 15:10	2.9	296	47	4.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/11/2022 15:20	3.5	297	40	5.2	0
30/11/2022 15:30	3.4	271	36	5.6	0
30/11/2022 15:40	3.2	303	36	5.6	0
30/11/2022 15:50	3.2	287	39	5.6	0
30/11/2022 16:00	2.9	294	39	4.4	0
30/11/2022 16:10	3.1	293	36	5.5	0
30/11/2022 16:20	2.9	270	33	5.1	0
30/11/2022 16:30	3	296	38	4.9	0
30/11/2022 16:40	3.2	307	36	4.7	0
30/11/2022 16:50	2.5	306	36	4.9	0
30/11/2022 17:00	2.5	311	39	4.4	0
30/11/2022 17:10	3.2	317	34	5.6	0
30/11/2022 17:20	3.4	315	27	5.1	0
30/11/2022 17:30	3.5	318	30	5.9	0
30/11/2022 17:40	2.9	304	36	5.1	0
30/11/2022 17:50	3	276	34	5.5	0
30/11/2022 18:00	2.8	306	35	5	0
30/11/2022 18:10	2.6	285	37	4.6	0
30/11/2022 18:20	2.6	271	35	4.8	0
30/11/2022 18:30	3.1	272	31	5.3	0
30/11/2022 18:40	2.8	272	28	4.4	0
30/11/2022 18:50	2.9	267	26	4.4	0
30/11/2022 19:00	2.9	271	29	4.5	0
30/11/2022 19:10	3.2	260	17	4.4	0
30/11/2022 19:20	3.8	256	14	5.7	0
30/11/2022 19:30	4.7	254	16	6.7	0
30/11/2022 19:40	4.5	254	15	6.2	0
30/11/2022 19:50	4.1	253	16	5.7	0
30/11/2022 20:00	4.5	254	14	6.4	0
30/11/2022 20:10	4.1	252	13	6	0
30/11/2022 20:20	4.1	256	14	5.7	0
30/11/2022 20:30	4	258	14	5.6	0
30/11/2022 20:40	4.3	259	14	5.7	0
30/11/2022 20:50	4.7	257	14	6.8	0
30/11/2022 21:00	3.9	256	15	6	0
30/11/2022 21:10	4.1	252	15	5.5	0
30/11/2022 21:20	3.9	249	14	5.3	0
30/11/2022 21:30	3.3	257	18	5.2	0
30/11/2022 21:40	3.3	249	14	4.8	0
30/11/2022 21:50	3.2	245	11	4.8	0
30/11/2022 22:00	3.1	247	17	4.3	0
30/11/2022 22:10	3.3	248	17	5.2	0
30/11/2022 22:20	3.1	248	14	4.3	0
30/11/2022 22:30	2.8	248	15	4.3	0
30/11/2022 22:40	3.1	246	15	4.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/11/2022 22:50	3.4	250	14	4.9	0
30/11/2022 23:00	3.4	247	15	4.4	0
30/11/2022 23:10	3.7	249	14	5.5	0
30/11/2022 23:20	3.2	253	14	4.4	0
30/11/2022 23:30	3.4	256	16	4.9	0
30/11/2022 23:40	3.4	256	16	5.3	0
30/11/2022 23:50	3.2	256	19	5.2	0
01/12/2022 00:00	3.9	252	14	5.5	0
12/01/2022 00:10	3.9	256	16	6.1	0
12/01/2022 00:20	3.7	250	14	5.2	0
12/01/2022 00:30	3.8	253	14	5.4	0
12/01/2022 00:40	3.7	251	16	5.4	0
12/01/2022 00:50	3.8	249	16	5.4	0
12/01/2022 01:00	4.3	254	14	6.3	0
12/01/2022 01:10	3.9	254	15	6.1	0
12/01/2022 01:20	3.9	248	17	5.4	0
12/01/2022 01:30	3.2	250	18	4.9	0
12/01/2022 01:40	3.6	245	18	5.9	0
12/01/2022 01:50	3.5	238	18	5.3	0
12/01/2022 02:00	3	239	17	4.4	0
12/01/2022 02:10	3.5	234	15	4.6	0
12/01/2022 02:20	3.3	233	17	4.8	0
12/01/2022 02:30	3.2	233	15	4.4	0
12/01/2022 02:40	3.5	235	15	5.2	0
12/01/2022 02:50	3.4	236	16	4.9	0
12/01/2022 03:00	3	238	19	4.8	0
12/01/2022 03:10	3.2	235	15	4.6	0
12/01/2022 03:20	2.5	234	17	3.6	0
12/01/2022 03:30	2.7	242	17	4.3	0
12/01/2022 03:40	2.6	242	19	4	0
12/01/2022 03:50	2.8	254	15	3.9	0
12/01/2022 04:00	2.9	256	15	4	0
12/01/2022 04:10	3.2	252	13	5	0
12/01/2022 04:20	3.3	251	18	5.1	0
12/01/2022 04:30	3.1	241	20	4.5	0
12/01/2022 04:40	2.8	252	13	4.3	0
12/01/2022 04:50	3.3	247	21	5.2	0
12/01/2022 05:00	3	249	18	4.8	0
12/01/2022 05:10	3.1	255	17	4.5	0
12/01/2022 05:20	3.2	253	13	4.8	0
12/01/2022 05:30	2.6	253	16	4	0
12/01/2022 05:40	2.7	257	15	3.9	0
12/01/2022 05:50	2.8	260	14	3.8	0
12/01/2022 06:00	3	256	14	3.9	0
12/01/2022 06:10	2.8	255	17	4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/01/2022 06:20	2.9	257	17	4.3	0
12/01/2022 06:30	3.3	253	13	4.6	0
12/01/2022 06:40	2.8	246	16	4.5	0
12/01/2022 06:50	2.3	248	16	3.1	0
12/01/2022 07:00	2.1	264	20	3.2	0
12/01/2022 07:10	2.4	252	19	3.4	0
12/01/2022 07:20	3.1	250	17	4	0
12/01/2022 07:30	3.6	249	15	5.1	0
12/01/2022 07:40	3.6	248	16	4.9	0
12/01/2022 07:50	3.9	252	14	5.4	0
12/01/2022 08:00	3.7	252	19	4.8	0
12/01/2022 08:10	3.5	253	19	5.2	0
12/01/2022 08:20	3.4	249	18	4.7	0
12/01/2022 08:30	3.5	247	17	4.4	0
12/01/2022 08:40	3.1	254	16	4.4	0
12/01/2022 08:50	3.3	250	19	4.4	0
12/01/2022 09:00	3.3	247	17	4.9	0
12/01/2022 09:10	2.8	258	21	4.2	0
12/01/2022 09:20	3	249	20	4.2	0
12/01/2022 09:30	3.3	246	17	4.7	0
12/01/2022 09:40	3.1	259	22	4.5	0
12/01/2022 09:50	2.9	258	22	4.4	0
12/01/2022 10:00	2.9	307	29	4.5	0
12/01/2022 10:10	3	308	34	4.7	0
12/01/2022 10:20	2.4	306	31	4.1	0
12/01/2022 10:30	2.6	266	34	3.9	0
12/01/2022 10:40	3	283	33	4.9	0
12/01/2022 10:50	2.7	302	37	4.3	0
12/01/2022 11:00	2.3	287	40	3.8	0
12/01/2022 11:10	3.5	256	25	6	0
12/01/2022 11:20	3.8	251	18	5.4	0
12/01/2022 11:30	3	266	30	4.7	0
12/01/2022 11:40	2.9	266	40	5.2	0
12/01/2022 11:50	3.1	260	25	4.7	0
12/01/2022 12:00	3.7	253	22	5.6	0
12/01/2022 12:10	4.9	243	18	6.8	0
12/01/2022 12:20	4.4	245	19	6.4	0
12/01/2022 12:30	4.6	244	18	6.8	0
12/01/2022 12:40	3.8	255	27	6.2	0
12/01/2022 12:50	3.9	256	24	6.6	0
12/01/2022 13:00	4.7	241	19	6.6	0
12/01/2022 13:10	5.1	244	16	7.2	0
12/01/2022 13:20	3.1	263	33	4.7	0
12/01/2022 13:30	2.9	294	40	5	0
12/01/2022 13:40	3.6	292	37	6.5	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/01/2022 13:50	3.7	264	32	5.8	0
12/01/2022 14:00	3.5	284	39	6.1	0
12/01/2022 14:10	3.3	307	32	5.6	0
12/01/2022 14:20	2.9	288	37	4.9	0
12/01/2022 14:30	3.3	277	38	5.5	0
12/01/2022 14:40	3.3	288	38	5.6	0
12/01/2022 14:50	3.3	264	34	6.1	0
12/01/2022 15:00	2.7	283	34	4.6	0
12/01/2022 15:10	3	283	45	5.5	0
12/01/2022 15:20	3.3	260	29	5.1	0
12/01/2022 15:30	3.1	292	40	6	0
12/01/2022 15:40	3.1	274	41	5.3	0
12/01/2022 15:50	3.1	276	35	4.8	0
12/01/2022 16:00	2.8	282	41	4.5	0
12/01/2022 16:10	3.1	279	36	5	0
12/01/2022 16:20	3.1	279	39	5.5	0
12/01/2022 16:30	3.5	266	26	6	0
12/01/2022 16:40	3.3	264	27	5.5	0
12/01/2022 16:50	3.5	259	26	5.3	0
12/01/2022 17:00	3.4	261	27	5.4	0
12/01/2022 17:10	3.4	253	17	5.1	0
12/01/2022 17:20	4.1	251	16	6.4	0
12/01/2022 17:30	4.7	250	17	6.8	0
12/01/2022 17:40	4.7	248	14	6.7	0
12/01/2022 17:50	3.8	245	19	5.7	0
12/01/2022 18:00	4.5	248	15	6.6	0
12/01/2022 18:10	5.1	241	15	6.9	0
12/01/2022 18:20	4.7	252	18	6.7	0
12/01/2022 18:30	4.7	253	16	6.9	0
12/01/2022 18:40	5.1	255	15	7.9	0
12/01/2022 18:50	5	252	16	6.8	0
12/01/2022 19:00	4.6	257	17	7.2	0
12/01/2022 19:10	4.4	255	16	6.1	0
12/01/2022 19:20	4.1	254	19	6	0
12/01/2022 19:30	4.5	257	15	6.3	0
12/01/2022 19:40	4.4	256	15	6	0
12/01/2022 19:50	4.3	258	17	5.8	0
12/01/2022 20:00	4.6	249	16	6.5	0
12/01/2022 20:10	4.4	251	15	6.3	0
12/01/2022 20:20	4.5	248	14	6.3	0
12/01/2022 20:30	4.3	249	13	6	0
12/01/2022 20:40	4.2	255	17	6	0
12/01/2022 20:50	3.7	252	16	5.7	0
12/01/2022 21:00	4.2	252	14	6.8	0
12/01/2022 21:10	4.3	251	16	6.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/01/2022 21:20	4.2	252	13	5.9	0
12/01/2022 21:30	4	248	15	6.1	0
12/01/2022 21:40	4.5	251	14	6.4	0
12/01/2022 21:50	4.5	251	13	6.4	0
12/01/2022 22:00	4.2	252	14	6.3	0
12/01/2022 22:10	4	253	17	5.6	0
12/01/2022 22:20	3.7	251	15	5.4	0
12/01/2022 22:30	4.2	246	16	5.6	0
12/01/2022 22:40	4.6	249	16	6.7	0
12/01/2022 22:50	4.8	251	14	6.3	0
12/01/2022 23:00	4.5	254	15	6.8	0
12/01/2022 23:10	4.3	253	14	6.5	0
12/01/2022 23:20	4.3	250	14	6	0
12/01/2022 23:30	4.5	254	15	6.2	0
12/01/2022 23:40	4.2	247	17	7.1	0
12/01/2022 23:50	4.2	247	18	6.4	0
12/02/2022 00:00	3.8	251	18	6	0
12/02/2022 00:10	4.1	247	17	6	0
12/02/2022 00:20	4.1	251	18	6.4	0
12/02/2022 00:30	3.5	244	17	5.4	0
12/02/2022 00:40	3.4	244	21	5.2	0
12/02/2022 00:50	2.9	236	19	4.3	0
12/02/2022 01:00	2.7	242	15	4	0
12/02/2022 01:10	3	249	18	4.8	0
12/02/2022 01:20	2.7	236	18	4.1	0
12/02/2022 01:30	2.7	238	17	3.9	0
12/02/2022 01:40	2.9	231	18	4.4	0
12/02/2022 01:50	3	236	17	4.6	0
12/02/2022 02:00	2.9	246	16	4.5	0
12/02/2022 02:10	2.5	250	18	3.7	0
12/02/2022 02:20	3.1	259	17	4.8	0
12/02/2022 02:30	3.4	257	17	4.8	0
12/02/2022 02:40	3.2	250	16	4.7	0
12/02/2022 02:50	2.9	248	17	4.6	0
12/02/2022 03:00	2.7	244	19	4	0
12/02/2022 03:10	2.4	236	17	3.6	0
12/02/2022 03:20	2.8	238	16	4.1	0
12/02/2022 03:30	3.4	247	15	4.6	0
12/02/2022 03:40	2.8	243	20	4.4	0
12/02/2022 03:50	3.4	243	16	5.1	0
12/02/2022 04:00	2.4	241	18	3.8	0
12/02/2022 04:10	2.3	230	15	3.3	0
12/02/2022 04:20	2.3	238	17	3.2	0
12/02/2022 04:30	2.9	231	15	4.2	0
12/02/2022 04:40	2.7	236	15	4.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/02/2022 04:50	2.7	245	16	4.1	0
12/02/2022 05:00	3.1	254	16	4.4	0
12/02/2022 05:10	3.2	247	15	4.5	0
12/02/2022 05:20	3.5	254	16	4.9	0
12/02/2022 05:30	3.8	252	14	5.5	0
12/02/2022 05:40	3.5	258	15	5.2	0
12/02/2022 05:50	3.8	254	14	5.1	0
12/02/2022 06:00	4.1	250	13	5.6	0
12/02/2022 06:10	3.8	254	15	5.3	0
12/02/2022 06:20	3.5	248	17	5.2	0
12/02/2022 06:30	3.5	238	19	4.9	0
12/02/2022 06:40	4.1	247	16	5.6	0
12/02/2022 06:50	4	250	14	5.9	0
12/02/2022 07:00	4.6	253	14	6.2	0
12/02/2022 07:10	4.1	259	14	5.8	0
12/02/2022 07:20	4.1	253	16	5.7	0
12/02/2022 07:30	4.3	248	16	6	0
12/02/2022 07:40	4.4	254	15	6.4	0
12/02/2022 07:50	4.5	255	16	6.3	0
12/02/2022 08:00	4.4	257	16	6	0
12/02/2022 08:10	4.6	254	17	6.4	0
12/02/2022 08:20	4.5	257	16	6.8	0
12/02/2022 08:30	4.5	256	19	6.3	0
12/02/2022 08:40	4.9	259	14	7	0
12/02/2022 08:50	4.7	262	18	6.7	0
12/02/2022 09:00	4.7	261	17	7.1	0
12/02/2022 09:10	4.9	258	16	7.5	0
12/02/2022 09:20	4.9	258	18	7.6	0
12/02/2022 09:30	5	254	19	7.2	0
12/02/2022 09:40	4.4	258	19	6.4	0
12/02/2022 09:50	4.9	254	15	7.3	0
12/02/2022 10:00	5	251	14	7.2	0
12/02/2022 10:10	4.7	256	18	6.9	0
12/02/2022 10:20	4.8	249	19	6.8	0
12/02/2022 10:30	5.1	246	17	7.8	0
12/02/2022 10:40	5.2	249	17	7.2	0
12/02/2022 10:50	5.1	241	14	7.8	0
12/02/2022 11:00	4.7	245	21	7.1	0
12/02/2022 11:10	5	243	18	7	0
12/02/2022 11:20	4.7	244	16	6.5	0
12/02/2022 11:30	4.7	242	19	6.6	0
12/02/2022 11:40	4.9	238	16	6.8	0
12/02/2022 11:50	4.7	240	18	6.4	0
12/02/2022 12:00	5.1	236	16	6.9	0
12/02/2022 12:10	4.9	240	17	6.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/02/2022 12:20	5	244	16	6.9	0
12/02/2022 12:30	4.9	246	16	6.8	0
12/02/2022 12:40	5	245	15	6.8	0
12/02/2022 12:50	5.1	244	16	7.5	0
12/02/2022 13:00	5.2	242	14	7.5	0
12/02/2022 13:10	5	244	16	6.8	0
12/02/2022 13:20	5	248	16	6.8	0
12/02/2022 13:30	5.5	245	14	7.4	0
12/02/2022 13:40	5.7	250	16	8	0
12/02/2022 13:50	6.2	248	14	8.7	0
12/02/2022 14:00	5.4	251	17	7.5	0
12/02/2022 14:10	5.6	248	16	7.8	0
12/02/2022 14:20	5.2	248	18	7.5	0
12/02/2022 14:30	5.7	245	16	8	0
12/02/2022 14:40	5.6	245	17	7.8	0
12/02/2022 14:50	5.2	246	17	7.2	0
12/02/2022 15:00	5.3	251	17	7.7	0
12/02/2022 15:10	5.6	254	18	8.2	0
12/02/2022 15:20	5.5	251	19	8	0
12/02/2022 15:30	5.2	251	19	7.9	0
12/02/2022 15:40	5.6	248	18	7.5	0
12/02/2022 15:50	6.1	241	15	8.6	0
12/02/2022 16:00	5.7	242	16	8.3	0
12/02/2022 16:10	5.4	245	19	8.1	0
12/02/2022 16:20	5.6	243	16	8.3	0
12/02/2022 16:30	5.3	245	17	8.1	0
12/02/2022 16:40	5.3	246	16	7.2	0
12/02/2022 16:50	5.6	246	14	7.5	0
12/02/2022 17:00	5.1	242	17	7.2	0
12/02/2022 17:10	5.5	240	15	7.7	0
12/02/2022 17:20	4.6	245	13	6.7	0
12/02/2022 17:30	4.8	244	14	6.8	0
12/02/2022 17:40	4.8	243	14	6.4	0
12/02/2022 17:50	4.9	242	14	6.7	0
12/02/2022 18:00	4.7	243	13	6.6	0
12/02/2022 18:10	4.5	244	15	6.4	0
12/02/2022 18:20	4.4	244	18	6.6	0
12/02/2022 18:30	5.2	250	14	7.3	0
12/02/2022 18:40	5.1	252	16	7.6	0
12/02/2022 18:50	5.2	258	17	7.1	0
12/02/2022 19:00	4.8	256	15	7.5	0
12/02/2022 19:10	4.3	257	16	6.1	0
12/02/2022 19:20	4.5	259	18	6.3	0
12/02/2022 19:30	4.5	255	19	6.7	0
12/02/2022 19:40	4.6	258	15	6.7	0



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/02/2022 19:50	4.7	255	15	6.5	0
12/02/2022 20:00	4.6	258	15	6.8	0
12/02/2022 20:10	4.3	258	15	6.1	0
12/02/2022 20:20	4.1	256	15	6.3	0
12/02/2022 20:30	4	256	14	6.6	0
12/02/2022 20:40	4.6	256	16	6.8	0
12/02/2022 20:50	4.3	259	17	6.1	0
12/02/2022 21:00	4.5	256	16	6.5	0
12/02/2022 21:10	4.8	254	16	6.7	0
12/02/2022 21:20	4.5	256	17	6.4	0
12/02/2022 21:30	4.4	254	16	6.2	0
12/02/2022 21:40	4.2	259	16	6.5	0
12/02/2022 21:50	4.2	260	15	6.2	0
12/02/2022 22:00	4.4	255	16	6.4	0
12/02/2022 22:10	4.3	258	18	6.3	0
12/02/2022 22:20	4.1	250	16	6.3	0
12/02/2022 22:30	4.3	252	16	6.8	0
12/02/2022 22:40	3.9	252	13	5.9	0
12/02/2022 22:50	4	251	16	6	0
12/02/2022 23:00	4.2	250	18	5.7	0
12/02/2022 23:10	4.4	251	16	6.7	0
12/02/2022 23:20	4.5	250	14	6.5	0
12/02/2022 23:30	4.3	253	20	6.3	0
12/02/2022 23:40	4.5	254	15	6.8	0
12/02/2022 23:50	4.6	251	16	6.8	0
12/03/2022 00:00	4.6	255	15	7	0
12/03/2022 00:10	4.8	252	14	6.5	0
12/03/2022 00:20	5	253	15	7.1	0
12/03/2022 00:30	4.1	251	17	5.9	0
12/03/2022 00:40	4.1	241	17	5.9	0
12/03/2022 00:50	4	250	18	6.1	0
12/03/2022 01:00	3.8	254	15	5.4	0
12/03/2022 01:10	3.2	244	18	4.5	0
12/03/2022 01:20	3.4	243	18	4.8	0
12/03/2022 01:30	3.2	247	15	4.9	0
12/03/2022 01:40	2.5	250	19	3.8	0
12/03/2022 01:50	3	244	19	4.6	0
12/03/2022 02:00	3	246	18	4.6	0
12/03/2022 02:10	2.7	241	19	4.1	0
12/03/2022 02:20	2.7	236	16	4.3	0
12/03/2022 02:30	3.1	238	16	4.1	0
12/03/2022 02:40	3	239	17	4.3	0
12/03/2022 02:50	2.7	243	17	3.9	0
12/03/2022 03:00	2.5	246	17	4.6	0
12/03/2022 03:10	2.6	255	18	3.7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/03/2022 03:20	2.8	260	13	3.8	0
12/03/2022 03:30	3	260	14	4	0
12/03/2022 03:40	3.6	256	15	5.3	0
12/03/2022 03:50	3.2	252	14	4.6	0
12/03/2022 04:00	3.2	263	14	4.6	0
12/03/2022 04:10	4.1	261	13	5.9	0
12/03/2022 04:20	3.5	259	15	5	0
12/03/2022 04:30	3.4	263	14	4.8	0
12/03/2022 04:40	3.3	255	16	4.6	0
12/03/2022 04:50	3.7	260	14	5.7	0
12/03/2022 05:00	3.5	259	16	5.1	0
12/03/2022 05:10	3.5	258	14	5.3	0
12/03/2022 05:20	3.6	263	14	5.4	0
12/03/2022 05:30	3.6	263	16	5.2	0
12/03/2022 05:40	3.5	263	14	5	0
12/03/2022 05:50	3.7	257	16	5.3	0
12/03/2022 06:00	3.5	255	16	5.1	0
12/03/2022 06:10	3.8	256	15	5.3	0
12/03/2022 06:20	3.9	253	15	5.7	0
12/03/2022 06:30	3.9	251	15	5.5	0
12/03/2022 06:40	4.3	253	13	6	0
12/03/2022 06:50	4.1	249	15	5.8	0
12/03/2022 07:00	4.1	252	17	5.7	0
12/03/2022 07:10	3.9	251	16	5.4	0
12/03/2022 07:20	4.4	252	15	5.9	0
12/03/2022 07:30	4.4	252	14	6.5	0
12/03/2022 07:40	4.2	252	16	6.4	0
12/03/2022 07:50	4.7	251	15	6.5	0
12/03/2022 08:00	4.4	248	15	6.2	0
12/03/2022 08:10	4.3	253	17	6	0
12/03/2022 08:20	4.3	252	16	6	0
12/03/2022 08:30	4.5	247	17	6.4	0
12/03/2022 08:40	4.2	255	20	6.1	0
12/03/2022 08:50	4.2	253	18	6	0
12/03/2022 09:00	4.4	256	16	6.3	0
12/03/2022 09:10	4.3	255	19	5.9	0
12/03/2022 09:20	4.6	247	16	6.1	0
12/03/2022 09:30	4.4	250	16	6	0
12/03/2022 09:40	4.4	250	21	6.2	0
12/03/2022 09:50	4.4	250	18	6.2	0
12/03/2022 10:00	4.6	245	15	6.1	0
12/03/2022 10:10	4.3	253	18	6	0
12/03/2022 10:20	4.4	252	15	6	0
12/03/2022 10:30	4.2	252	18	6.1	0
12/03/2022 10:40	4.2	255	19	5.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/03/2022 10:50	4.4	249	16	6.4	0
12/03/2022 11:00	4.5	253	19	6.3	0
12/03/2022 11:10	4.8	245	16	6.4	0
12/03/2022 11:20	4.6	249	19	6.9	0
12/03/2022 11:30	4.9	242	13	7.1	0
12/03/2022 11:40	4.6	243	16	6.3	0
12/03/2022 11:50	4.8	245	15	6.5	0
12/03/2022 12:00	5.2	242	16	7.2	0
12/03/2022 12:10	4.9	244	18	7.2	0
12/03/2022 12:20	5.3	240	13	7.5	0
12/03/2022 12:30	4.8	243	17	6.8	0
12/03/2022 12:40	5.1	241	18	7.5	0
12/03/2022 12:50	4.9	245	19	7.4	0
12/03/2022 13:00	5.5	242	17	7.9	0
12/03/2022 13:10	5.3	246	18	7.3	0
12/03/2022 13:20	5.3	247	15	7.5	0
12/03/2022 13:30	5.7	247	17	7.8	0
12/03/2022 13:40	5.5	243	16	7.5	0
12/03/2022 13:50	5.4	244	16	7.5	0
12/03/2022 14:00	5.1	249	19	7.8	0
12/03/2022 14:10	5.5	247	15	8.3	0
12/03/2022 14:20	5.6	248	19	7.9	0
12/03/2022 14:30	5.9	241	18	8.3	0
12/03/2022 14:40	4.5	255	22	6.8	0
12/03/2022 14:50	3.5	263	24	6	0
12/03/2022 15:00	3.5	258	22	5.6	0
12/03/2022 15:10	5.1	245	18	8.3	0
12/03/2022 15:20	5.5	237	17	7.9	0
12/03/2022 15:30	5.8	240	16	8.3	0
12/03/2022 15:40	6.4	245	16	8.8	0
12/03/2022 15:50	5.9	248	15	8	0
12/03/2022 16:00	5.5	252	18	8	0
12/03/2022 16:10	5.5	250	17	8.7	0
12/03/2022 16:20	5.4	255	17	8.4	0
12/03/2022 16:30	5.3	249	19	7.8	0
12/03/2022 16:40	5.4	245	16	7.7	0
12/03/2022 16:50	5.2	251	16	7.8	0
12/03/2022 17:00	5.6	253	17	8.1	0
12/03/2022 17:10	5.3	250	15	8.2	0
12/03/2022 17:20	5.3	245	14	7.6	0
12/03/2022 17:30	5.8	250	16	8.3	0
12/03/2022 17:40	5.1	252	17	7.5	0
12/03/2022 17:50	5.1	255	17	8.3	0
12/03/2022 18:00	4.8	259	17	8.4	0
12/03/2022 18:10	4.7	248	18	6.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/03/2022 18:20	4.6	252	17	7.1	0
12/03/2022 18:30	4.8	249	17	6.9	0
12/03/2022 18:40	5.6	244	15	7.9	0
12/03/2022 18:50	5.5	250	14	7.7	0
12/03/2022 19:00	5.3	253	15	7.5	0
12/03/2022 19:10	5.1	251	15	7.3	0
12/03/2022 19:20	4.9	253	16	6.8	0
12/03/2022 19:30	4.7	252	15	6.4	0
12/03/2022 19:40	5	250	16	7.4	0
12/03/2022 19:50	4.8	253	17	7.7	0
12/03/2022 20:00	4.3	257	17	6.8	0
12/03/2022 20:10	4.9	252	15	6.8	0
12/03/2022 20:20	4.4	256	19	6.5	0
12/03/2022 20:30	4.3	254	18	6	0
12/03/2022 20:40	4.7	252	15	6.8	0
12/03/2022 20:50	5.1	250	16	7.4	0
12/03/2022 21:00	5.6	251	14	7.6	0
12/03/2022 21:10	5.4	252	14	7.4	0
12/03/2022 21:20	4.8	249	14	7	0
12/03/2022 21:30	4.4	256	15	6.4	0
12/03/2022 21:40	4.8	256	16	6.5	0
12/03/2022 21:50	4.7	251	15	6.4	0
12/03/2022 22:00	5.1	253	15	6.9	0
12/03/2022 22:10	4.8	253	14	6.5	0
12/03/2022 22:20	4.7	256	15	6.8	0
12/03/2022 22:30	4.6	255	14	6.4	0
12/03/2022 22:40	4.9	255	15	6.6	0
12/03/2022 22:50	4.7	257	16	6.5	0
12/03/2022 23:00	5	254	14	7.4	0
12/03/2022 23:10	5.1	255	14	7.3	0
12/03/2022 23:20	4.9	253	15	7.2	0
12/03/2022 23:30	5.5	252	14	7.4	0
12/03/2022 23:40	4.8	253	14	6.5	0
12/03/2022 23:50	5.3	253	14	7.4	0
12/04/2022 00:00	4.6	255	16	6.5	0
12/04/2022 00:10	4.7	255	13	6.2	0
12/04/2022 00:20	4.3	256	14	5.8	0
12/04/2022 00:30	4.6	253	15	6.4	0
12/04/2022 00:40	4.4	252	15	6.7	0
12/04/2022 00:50	4.5	249	17	6.7	0
12/04/2022 01:00	4.6	250	15	6.4	0
12/04/2022 01:10	4.3	251	18	6.2	0
12/04/2022 01:20	4.2	253	15	6	0
12/04/2022 01:30	4	252	16	6.1	0
12/04/2022 01:40	3.6	254	16	5.2	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/04/2022 01:50	3.5	253	17	4.8	0
12/04/2022 02:00	3.3	248	21	4.8	0
12/04/2022 02:10	3.5	239	17	5.6	0
12/04/2022 02:20	3.7	246	17	5.4	0
12/04/2022 02:30	3.2	235	15	4.7	0
12/04/2022 02:40	3	237	16	4.5	0
12/04/2022 02:50	3.3	247	15	4.7	0
12/04/2022 03:00	2.8	249	17	4.5	0
12/04/2022 03:10	3.2	237	17	4.6	0
12/04/2022 03:20	3.2	244	17	4.7	0
12/04/2022 03:30	3.1	251	18	5.1	0
12/04/2022 03:40	3	244	17	4.6	0
12/04/2022 03:50	3	248	16	4.4	0
12/04/2022 04:00	3	255	15	4.6	0
12/04/2022 04:10	2.9	259	12	4	0
12/04/2022 04:20	2.8	260	14	3.7	0
12/04/2022 04:30	2.9	263	14	4.4	0
12/04/2022 04:40	2.8	265	14	4.1	0
12/04/2022 04:50	3	263	15	4.1	0
12/04/2022 05:00	2.9	269	16	4.3	0
12/04/2022 05:10	3.4	264	13	4.4	0
12/04/2022 05:20	3.1	264	15	4.2	0
12/04/2022 05:30	2.9	265	12	4.2	0
12/04/2022 05:40	3.2	265	13	4.4	0
12/04/2022 05:50	3.3	263	13	4.5	0
12/04/2022 06:00	3.3	266	14	4.6	0
12/04/2022 06:10	3.3	262	12	4.7	0
12/04/2022 06:20	3.3	255	15	4.4	0
12/04/2022 06:30	3.2	254	14	4.6	0
12/04/2022 06:40	3.3	257	13	4.4	0
12/04/2022 06:50	3.3	250	16	4.4	0
12/04/2022 07:00	3.2	254	16	4.6	0
12/04/2022 07:10	3.3	252	16	4.6	0
12/04/2022 07:20	3.4	240	15	4.7	0
12/04/2022 07:30	3.5	238	17	4.9	0
12/04/2022 07:40	2.9	249	17	4	0
12/04/2022 07:50	3	254	15	4.3	0
12/04/2022 08:00	3	255	18	4.4	0
12/04/2022 08:10	2.7	260	17	3.7	0
12/04/2022 08:20	2.9	247	20	4.3	0
12/04/2022 08:30	3.2	259	18	4.8	0
12/04/2022 08:40	3.2	255	18	4.7	0
12/04/2022 08:50	3.3	254	16	5	0
12/04/2022 09:00	3.7	256	18	5	0
12/04/2022 09:10	3.7	258	16	5.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/04/2022 09:20	4.1	254	16	5.5	0
12/04/2022 09:30	3.6	255	18	4.8	0
12/04/2022 09:40	3.8	255	16	5.2	0
12/04/2022 09:50	3.7	258	17	4.9	0
12/04/2022 10:00	3.8	257	16	5.3	0
12/04/2022 10:10	4.4	244	14	5.9	0
12/04/2022 10:20	4.6	247	18	6.5	0
12/04/2022 10:30	4.5	246	15	6.1	0
12/04/2022 10:40	4.7	249	18	6.4	0
12/04/2022 10:50	4.6	243	15	6.1	0
12/04/2022 11:00	4.8	241	17	6.4	0
12/04/2022 11:10	4.8	241	15	6.8	0
12/04/2022 11:20	4.4	240	17	6.3	0
12/04/2022 11:30	5.2	243	17	6.7	0
12/04/2022 11:40	4.8	244	14	7.3	0
12/04/2022 11:50	4.8	250	18	7.1	0
12/04/2022 12:00	4.7	247	15	6.9	0
12/04/2022 12:10	5	247	17	7.4	0
12/04/2022 12:20	4.9	244	17	6.9	0
12/04/2022 12:30	5.1	236	15	7.1	0
12/04/2022 12:40	4.7	244	17	6.4	0
12/04/2022 12:50	4.6	252	19	6.4	0
12/04/2022 13:00	4.6	250	19	6.5	0
12/04/2022 13:10	5.3	242	17	7.8	0
12/04/2022 13:20	5	244	21	7.3	0
12/04/2022 13:30	5.5	244	18	7.8	0
12/04/2022 13:40	5.6	244	17	7.8	0
12/04/2022 13:50	5.6	243	18	8	0
12/04/2022 14:00	5.7	239	16	8.3	0
12/04/2022 14:10	5.4	240	16	8	0
12/04/2022 14:20	5.3	241	18	7.1	0
12/04/2022 14:30	5.8	243	17	8.3	0
12/04/2022 14:40	6	244	15	9.1	0
12/04/2022 14:50	5.6	247	18	7.9	0
12/04/2022 15:00	6.1	242	14	8.1	0
12/04/2022 15:10	6.1	244	13	8.9	0
12/04/2022 15:20	5.8	244	15	8.1	0
12/04/2022 15:30	5.2	249	19	7.6	0
12/04/2022 15:40	5.5	248	15	8.5	0
12/04/2022 15:50	5.2	251	17	7.2	0
12/04/2022 16:00	5.4	249	16	7.4	0
12/04/2022 16:10	5.3	250	18	7.8	0
12/04/2022 16:20	5.4	257	16	8.1	0
12/04/2022 16:30	6.3	256	16	9	0
12/04/2022 16:40	6.2	255	17	9.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/04/2022 16:50	5.6	244	16	8.3	0
12/04/2022 17:00	5.6	237	14	8.7	0
12/04/2022 17:10	5.3	237	19	8	0
12/04/2022 17:20	5.5	252	16	7.5	0
12/04/2022 17:30	4.5	247	17	7.5	0
12/04/2022 17:40	5	243	15	7.2	0
12/04/2022 17:50	5.3	253	14	6.8	0
12/04/2022 18:00	5.1	251	15	7.4	0
12/04/2022 18:10	5.6	251	15	7.6	0
12/04/2022 18:20	5.3	251	14	6.9	0
12/04/2022 18:30	4.9	251	15	7.4	0
12/04/2022 18:40	4.6	243	17	6.9	0
12/04/2022 18:50	5.2	250	16	7.2	0
12/04/2022 19:00	4.6	249	15	7	0
12/04/2022 19:10	4.3	248	19	6.9	0
12/04/2022 19:20	5.1	250	19	7.2	0
12/04/2022 19:30	4.8	248	18	6.7	0
12/04/2022 19:40	4	249	20	6.4	0
12/04/2022 19:50	4.3	249	17	6.4	0
12/04/2022 20:00	4.8	252	15	6.8	0
12/04/2022 20:10	5.1	253	14	7	0
12/04/2022 20:20	4.6	250	16	6.6	0
12/04/2022 20:30	4.7	252	15	6.6	0
12/04/2022 20:40	4.4	247	16	6	0
12/04/2022 20:50	4.3	250	14	5.9	0
12/04/2022 21:00	4.1	252	15	6.1	0
12/04/2022 21:10	4.7	256	16	6.7	0
12/04/2022 21:20	5	254	14	7	0
12/04/2022 21:30	4	249	17	6	0
12/04/2022 21:40	4.3	251	18	6.4	0
12/04/2022 21:50	3.8	248	16	5.5	0
12/04/2022 22:00	4.2	240	17	6.6	0
12/04/2022 22:10	3.6	243	17	5.4	0
12/04/2022 22:20	3.2	246	17	4.7	0
12/04/2022 22:30	3.6	240	16	5.1	0
12/04/2022 22:40	4	238	16	6	0
12/04/2022 22:50	4	236	16	5.9	0
12/04/2022 23:00	3.8	246	13	5.3	0
12/04/2022 23:10	4.1	243	19	6.4	0
12/04/2022 23:20	3.4	250	16	5	0
12/04/2022 23:30	3.3	259	15	4.8	0
12/04/2022 23:40	3.1	253	17	4.6	0
12/04/2022 23:50	3.2	255	15	4.6	0
12/05/2022 00:00	3.3	256	15	4.5	0
12/05/2022 00:10	3	256	16	4.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/05/2022 00:20	2.9	260	14	4	0
12/05/2022 00:30	3.1	258	18	4.4	0
12/05/2022 00:40	2.7	258	16	4.4	0
12/05/2022 00:50	2.9	262	16	4.1	0
12/05/2022 01:00	2.7	262	16	3.9	0
12/05/2022 01:10	2.7	261	16	3.7	0
12/05/2022 01:20	2.5	261	17	3.7	0
12/05/2022 01:30	2.5	260	17	3.8	0
12/05/2022 01:40	2.8	249	21	4.3	0
12/05/2022 01:50	2.9	253	19	4.5	0
12/05/2022 02:00	2.8	262	16	3.9	0
12/05/2022 02:10	3.1	260	18	4.4	0
12/05/2022 02:20	2.9	264	17	4.4	0
12/05/2022 02:30	2.7	260	21	4.1	0
12/05/2022 02:40	2.6	260	16	3.9	0
12/05/2022 02:50	2.6	261	19	3.9	0
12/05/2022 03:00	2.6	262	17	3.7	0
12/05/2022 03:10	2.5	255	15	3.8	0
12/05/2022 03:20	2.6	256	20	3.9	0
12/05/2022 03:30	2.6	254	16	4	0
12/05/2022 03:40	2.5	271	16	3.7	0
12/05/2022 03:50	2.3	274	17	3.2	0
12/05/2022 04:00	2.3	264	16	3.5	0
12/05/2022 04:10	2.5	270	16	3.2	0
12/05/2022 04:20	2.3	269	15	3	0
12/05/2022 04:30	2.5	270	16	3.6	0
12/05/2022 04:40	2.5	270	13	3.8	0
12/05/2022 04:50	2.6	269	15	3.6	0
12/05/2022 05:00	2.6	271	16	3.5	0
12/05/2022 05:10	2.5	272	18	3.8	0
12/05/2022 05:20	2.6	279	17	3.6	0
12/05/2022 05:30	2.7	271	15	4	0
12/05/2022 05:40	2.3	275	16	3.6	0
12/05/2022 05:50	2.5	271	16	3.6	0
12/05/2022 06:00	2.5	270	16	3.6	0
12/05/2022 06:10	2.3	267	19	3.5	0
12/05/2022 06:20	2.3	273	18	3.6	0
12/05/2022 06:30	2.1	283	20	3	0
12/05/2022 06:40	2.5	270	18	3.7	0
12/05/2022 06:50	2.6	262	17	4	0
12/05/2022 07:00	2.4	238	21	3.7	0
12/05/2022 07:10	2.4	237	24	3.4	0
12/05/2022 07:20	2.4	228	17	4	0
12/05/2022 07:30	3.2	205	18	4.4	0
12/05/2022 07:40	3.4	189	18	5.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/05/2022 07:50	3.6	192	18	4.8	0
12/05/2022 08:00	3.3	182	20	4.8	0
12/05/2022 08:10	3.6	186	16	5	0
12/05/2022 08:20	3.6	183	18	5.2	0
12/05/2022 08:30	3.3	182	19	4.8	0
12/05/2022 08:40	3.2	186	18	4.7	0
12/05/2022 08:50	3.3	188	21	5.1	0
12/05/2022 09:00	3.6	196	24	6	0
12/05/2022 09:10	3.8	208	18	5.5	0
12/05/2022 09:20	3.5	227	25	4.9	0
12/05/2022 09:30	2.9	250	22	4.5	0
12/05/2022 09:40	3	258	22	4.4	0
12/05/2022 09:50	3.1	255	17	4.7	0
12/05/2022 10:00	3.3	248	19	4.8	0
12/05/2022 10:10	3	256	24	4.6	0
12/05/2022 10:20	2.9	257	24	4.5	0
12/05/2022 10:30	3	259	21	4.4	0
12/05/2022 10:40	3	264	23	5.2	0
12/05/2022 10:50	3	326	23	4.7	0
12/05/2022 11:00	3.6	319	19	4.9	0
12/05/2022 11:10	3.1	324	22	4.5	0
12/05/2022 11:20	3.1	321	28	4.9	0
12/05/2022 11:30	3.1	302	34	5.2	0
12/05/2022 11:40	3.3	293	37	5.5	0
12/05/2022 11:50	3.8	251	19	5.3	0
12/05/2022 12:00	4.4	241	16	5.9	0
12/05/2022 12:10	4.1	238	18	5.7	0
12/05/2022 12:20	4.1	242	21	5.9	0
12/05/2022 12:30	4.2	242	20	6.1	0
12/05/2022 12:40	4.7	245	17	6.3	0
12/05/2022 12:50	5	244	15	7.1	0
12/05/2022 13:00	5	235	14	6.8	0
12/05/2022 13:10	4.9	234	16	6.8	0
12/05/2022 13:20	4.7	244	18	6.4	0
12/05/2022 13:30	4.9	235	19	6.8	0
12/05/2022 13:40	4.9	244	17	7.2	0
12/05/2022 13:50	5.2	241	18	6.8	0
12/05/2022 14:00	5.5	235	16	6.9	0
12/05/2022 14:10	5.2	239	15	7.2	0
12/05/2022 14:20	5	245	14	7.2	0
12/05/2022 14:30	5.1	241	16	7.2	0
12/05/2022 14:40	4.8	243	17	6.8	0
12/05/2022 14:50	5.1	245	17	7.1	0
12/05/2022 15:00	5.5	243	14	7.5	0
12/05/2022 15:10	5.5	240	15	7.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/05/2022 15:20	5.2	241	15	7.5	0
12/05/2022 15:30	5.4	243	15	7.6	0
12/05/2022 15:40	5.3	248	16	7.6	0
12/05/2022 15:50	5.2	247	17	7.1	0
12/05/2022 16:00	5.7	245	16	8.7	0
12/05/2022 16:10	5.4	248	17	7.8	0
12/05/2022 16:20	5.2	252	19	6.9	0
12/05/2022 16:30	4.7	255	16	6.5	0
12/05/2022 16:40	4.8	251	17	7.4	0
12/05/2022 16:50	5.1	250	16	7.9	0
12/05/2022 17:00	4.9	248	16	6.7	0
12/05/2022 17:10	5.1	251	19	7.4	0
12/05/2022 17:20	5.2	254	18	8.3	0
12/05/2022 17:30	4.7	253	19	7.2	0
12/05/2022 17:40	4.3	251	19	6.6	0
12/05/2022 17:50	4.8	254	19	7.1	0
12/05/2022 18:00	4.7	254	16	7.1	0
12/05/2022 18:10	4.6	253	18	7.1	0
12/05/2022 18:20	4.8	253	17	7.8	0
12/05/2022 18:30	5.2	250	16	7.5	0
12/05/2022 18:40	4.8	251	18	6.8	0
12/05/2022 18:50	4.4	252	19	6.2	0
12/05/2022 19:00	4.3	254	17	6.7	0
12/05/2022 19:10	4.5	257	18	6.8	0
12/05/2022 19:20	4.2	261	20	6.8	0
12/05/2022 19:30	4.1	256	16	6.4	0
12/05/2022 19:40	4	259	17	7	0
12/05/2022 19:50	4.6	255	16	6.8	0
12/05/2022 20:00	4.1	259	20	6.1	0
12/05/2022 20:10	3.6	254	16	6	0
12/05/2022 20:20	3.9	258	20	6.4	0
12/05/2022 20:30	4.3	255	16	6.3	0
12/05/2022 20:40	4.9	254	16	7.5	0
12/05/2022 20:50	4.3	245	18	6.8	0
12/05/2022 21:00	4.4	249	16	6.7	0
12/05/2022 21:10	4.9	251	16	7.5	0
12/05/2022 21:20	4.3	251	16	6.6	0
12/05/2022 21:30	4.1	256	18	7.4	0
12/05/2022 21:40	4.8	257	17	7.5	0
12/05/2022 21:50	4.8	254	16	7.6	0
12/05/2022 22:00	5.1	252	15	8.3	0
12/05/2022 22:10	4.3	254	17	7.2	0
12/05/2022 22:20	5.1	249	15	7	0
12/05/2022 22:30	5.3	252	16	7.2	0
12/05/2022 22:40	4.2	251	20	6.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/05/2022 22:50	4.2	246	18	6.8	0
12/05/2022 23:00	4.5	248	16	7.2	0
12/05/2022 23:10	4.4	244	21	6.2	0
12/05/2022 23:20	4.9	242	16	7.7	0
12/05/2022 23:30	4.7	248	16	6.5	0
12/05/2022 23:40	4.3	248	19	6.8	0
12/05/2022 23:50	4.6	251	16	6.7	0
12/06/2022 00:00	4.6	249	17	7	0
12/06/2022 00:10	4.6	245	15	6.9	0
12/06/2022 00:20	4.8	248	19	6.8	0
12/06/2022 00:30	4.1	250	18	6.2	0
12/06/2022 00:40	4.8	255	16	7.1	0
12/06/2022 00:50	4.6	243	20	6.8	0
12/06/2022 01:00	4.4	245	18	6.4	0
12/06/2022 01:10	4.8	252	17	7.3	0
12/06/2022 01:20	4.3	243	17	6.3	0
12/06/2022 01:30	4	243	17	6.4	0
12/06/2022 01:40	3.5	242	18	5.5	0
12/06/2022 01:50	3.9	238	20	5.8	0
12/06/2022 02:00	4.1	240	16	6	0
12/06/2022 02:10	4.6	243	17	6.9	0
12/06/2022 02:20	4.2	237	17	6.1	0
12/06/2022 02:30	3.5	245	18	5.2	0
12/06/2022 02:40	3.6	240	18	6.3	0
12/06/2022 02:50	4	242	16	6	0
12/06/2022 03:00	3.8	248	16	5.2	0
12/06/2022 03:10	3.4	250	17	5.2	0
12/06/2022 03:20	3.2	246	18	5	0
12/06/2022 03:30	3	254	17	4.4	0
12/06/2022 03:40	2.8	254	17	4.3	0
12/06/2022 03:50	3.1	259	16	5.2	0
12/06/2022 04:00	3.5	259	13	5.1	0
12/06/2022 04:10	3.7	257	14	5.5	0
12/06/2022 04:20	4	260	14	5.2	0
12/06/2022 04:30	3.5	259	15	4.8	0
12/06/2022 04:40	3.5	261	15	4.7	0
12/06/2022 04:50	3.4	263	13	4.6	0
12/06/2022 05:00	3.6	259	13	5.2	0
12/06/2022 05:10	3.9	256	13	5.2	0
12/06/2022 05:20	3.8	256	12	5	0
12/06/2022 05:30	3.9	260	15	5.2	0
12/06/2022 05:40	3.8	260	14	5.1	0
12/06/2022 05:50	3.7	263	14	5	0
12/06/2022 06:00	3.7	260	15	5.2	0
12/06/2022 06:10	3.9	256	14	5.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/06/2022 06:20	4.1	255	15	6	0
12/06/2022 06:30	4.3	256	13	6	0
12/06/2022 06:40	4.9	257	15	6.4	0
12/06/2022 06:50	4.3	255	15	6	0
12/06/2022 07:00	4.2	255	15	5.8	0
12/06/2022 07:10	4.1	254	17	5.6	0
12/06/2022 07:20	4.1	252	18	6	0
12/06/2022 07:30	3.9	249	16	5.3	0
12/06/2022 07:40	4.5	249	14	6.3	0
12/06/2022 07:50	4.1	253	15	6.2	0
12/06/2022 08:00	3.6	252	18	4.8	0
12/06/2022 08:10	3.6	257	16	4.9	0
12/06/2022 08:20	3.2	250	18	4.2	0
12/06/2022 08:30	3.2	261	16	4.9	0
12/06/2022 08:40	3.2	254	18	4.8	0
12/06/2022 08:50	3.3	252	18	4.8	0
12/06/2022 09:00	3.3	254	18	4.5	0
12/06/2022 09:10	3.1	249	20	4.8	0
12/06/2022 09:20	3.2	255	20	4.7	0
12/06/2022 09:30	3.2	256	20	4.8	0
12/06/2022 09:40	3.4	255	18	4.8	0
12/06/2022 09:50	3.6	249	14	5.1	0
12/06/2022 10:00	3.4	249	19	5.1	0
12/06/2022 10:10	3.4	255	20	5	0
12/06/2022 10:20	3.2	259	20	5	0
12/06/2022 10:30	3.3	254	19	4.9	0
12/06/2022 10:40	3.9	252	16	5.6	0
12/06/2022 10:50	3.8	256	18	5.2	0
12/06/2022 11:00	3.3	265	31	5.2	0
12/06/2022 11:10	3.4	257	21	5.3	0
12/06/2022 11:20	3.9	253	21	5.8	0
12/06/2022 11:30	4.2	240	18	5.9	0
12/06/2022 11:40	4.7	235	15	6.6	0
12/06/2022 11:50	4.5	235	16	5.8	0
12/06/2022 12:00	4.5	237	16	6	0
12/06/2022 12:10	4.5	237	15	6.4	0
12/06/2022 12:20	3.8	254	19	5.8	0
12/06/2022 12:30	4.6	238	17	7	0
12/06/2022 12:40	4.7	241	16	6.4	0
12/06/2022 12:50	4.8	242	15	6.2	0
12/06/2022 13:00	5.1	239	15	7	0
12/06/2022 13:10	4.7	244	17	6.4	0
12/06/2022 13:20	4.6	234	15	6	0
12/06/2022 13:30	4.6	243	19	6.4	0
12/06/2022 13:40	5	235	18	6.9	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/06/2022 13:50	5	235	15	6.4	0
12/06/2022 14:00	4.8	240	18	6.1	0
12/06/2022 14:10	4.8	247	18	7.2	0
12/06/2022 14:20	4.4	244	18	6.8	0
12/06/2022 14:30	4.2	248	21	6.8	0
12/06/2022 14:40	3.6	257	20	6.5	0
12/06/2022 14:50	5.3	246	16	7.6	0
12/06/2022 15:00	5.4	247	14	7.5	0
12/06/2022 15:10	5.1	248	16	7.2	0
12/06/2022 15:20	5.2	252	14	7.6	0
12/06/2022 15:30	5.2	253	16	8.1	0
12/06/2022 15:40	5.5	254	16	7.5	0
12/06/2022 15:50	5.6	249	14	7.4	0
12/06/2022 16:00	5.1	253	18	7.4	0
12/06/2022 16:10	5.5	256	17	7.5	0
12/06/2022 16:20	5.5	256	15	7.9	0
12/06/2022 16:30	5.7	253	15	8.2	0
12/06/2022 16:40	5.8	255	18	8.7	0
12/06/2022 16:50	5.7	255	15	8.8	0
12/06/2022 17:00	5.8	254	16	8.7	0
12/06/2022 17:10	5.1	257	21	8	0
12/06/2022 17:20	4.6	249	20	6.8	0
12/06/2022 17:30	5.5	244	15	7.9	0
12/06/2022 17:40	5.5	245	17	7.9	0
12/06/2022 17:50	5.3	244	15	7.7	0
12/06/2022 18:00	5.7	246	15	8.2	0
12/06/2022 18:10	6.1	246	15	8.3	0
12/06/2022 18:20	5.3	248	16	8	0
12/06/2022 18:30	5.2	251	17	7.3	0
12/06/2022 18:40	5.3	248	14	7.7	0
12/06/2022 18:50	5.4	244	17	8.3	0
12/06/2022 19:00	5.9	248	14	7.9	0
12/06/2022 19:10	5.3	246	16	7.8	0
12/06/2022 19:20	4.9	246	16	7.2	0
12/06/2022 19:30	4.8	246	13	6.8	0
12/06/2022 19:40	5.2	249	16	7.5	0
12/06/2022 19:50	5.1	249	17	8.1	0
12/06/2022 20:00	5.5	248	17	7.9	0
12/06/2022 20:10	5.4	249	17	7.7	0
12/06/2022 20:20	5.3	248	16	7.7	0
12/06/2022 20:30	4.7	249	17	6.8	0
12/06/2022 20:40	4.9	249	15	7.2	0
12/06/2022 20:50	3.9	253	17	6.3	0
12/06/2022 21:00	4.5	248	17	6.7	0
12/06/2022 21:10	5	252	17	7.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/06/2022 21:20	5.1	247	19	7.2	0
12/06/2022 21:30	5	253	16	6.6	0
12/06/2022 21:40	4.7	253	19	7.2	0
12/06/2022 21:50	4.5	249	18	6.8	0
12/06/2022 22:00	5	255	14	7.3	0
12/06/2022 22:10	5	254	16	6.9	0
12/06/2022 22:20	4.9	255	17	7.4	0
12/06/2022 22:30	5.3	253	16	7	0
12/06/2022 22:40	5.2	255	14	7.1	0
12/06/2022 22:50	5.2	253	16	7.6	0
12/06/2022 23:00	5.3	250	16	7.9	0
12/06/2022 23:10	5.1	252	15	7	0
12/06/2022 23:20	5.1	254	18	7.3	0
12/06/2022 23:30	5.1	255	15	7.1	0
12/06/2022 23:40	5	256	13	7.1	0
12/06/2022 23:50	4.8	256	18	7.4	0
12/07/2022 00:00	4.7	255	13	7.4	0
12/07/2022 00:10	4.4	256	17	6.4	0
12/07/2022 00:20	4.8	249	16	6.8	0
12/07/2022 00:30	4.9	254	17	7.1	0
12/07/2022 00:40	5.7	255	15	8.2	0
12/07/2022 00:50	4.9	253	14	7.1	0
12/07/2022 01:00	4.6	253	17	7.2	0
12/07/2022 01:10	4.1	248	17	6	0
12/07/2022 01:20	4.1	248	18	6.1	0
12/07/2022 01:30	4.2	242	20	7.3	0
12/07/2022 01:40	5	242	18	7.1	0
12/07/2022 01:50	4.6	248	21	7.5	0
12/07/2022 02:00	3.9	246	16	6.2	0
12/07/2022 02:10	4.1	245	17	6.2	0
12/07/2022 02:20	4.4	243	16	7	0
12/07/2022 02:30	4.5	235	17	7.5	0
12/07/2022 02:40	3.8	243	18	6.8	0
12/07/2022 02:50	4	242	17	6.1	0
12/07/2022 03:00	4	249	18	6	0
12/07/2022 03:10	3.8	248	18	5.9	0
12/07/2022 03:20	3.6	246	17	5	0
12/07/2022 03:30	3.4	242	18	5.6	0
12/07/2022 03:40	3.4	244	18	5	0
12/07/2022 03:50	3.7	238	16	5.4	0
12/07/2022 04:00	3.7	253	15	5.4	0
12/07/2022 04:10	3.7	250	16	5.3	0
12/07/2022 04:20	3.8	247	16	5.6	0
12/07/2022 04:30	4.1	250	15	6.4	0
12/07/2022 04:40	3.4	240	18	5.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/07/2022 04:50	3.7	250	15	5.5	0
12/07/2022 05:00	4	249	17	5.6	0
12/07/2022 05:10	3.7	255	14	5.4	0
12/07/2022 05:20	3.5	249	15	4.9	0
12/07/2022 05:30	3.9	254	16	5.8	0
12/07/2022 05:40	3.1	249	16	5.2	0
12/07/2022 05:50	3.2	253	17	5.2	0
12/07/2022 06:00	3.4	249	16	4.8	0
12/07/2022 06:10	3.9	247	14	5.2	0
12/07/2022 06:20	3.5	247	18	5.1	0
12/07/2022 06:30	4	251	16	5.5	0
12/07/2022 06:40	4	249	15	5.1	0
12/07/2022 06:50	4.4	251	16	6.1	0
12/07/2022 07:00	4.4	247	16	6.4	0
12/07/2022 07:10	4.3	251	15	6.4	0
12/07/2022 07:20	4.6	248	17	6.7	0
12/07/2022 07:30	4.1	246	17	5.7	0
12/07/2022 07:40	4.1	248	18	6	0
12/07/2022 07:50	4.3	243	17	5.8	0
12/07/2022 08:00	4.5	248	17	6.1	0
12/07/2022 08:10	4.5	247	15	6.4	0
12/07/2022 08:20	4.3	251	13	5.6	0
12/07/2022 08:30	4.4	248	17	6	0
12/07/2022 08:40	4.2	250	17	5.7	0
12/07/2022 08:50	4.3	255	13	6.2	0
12/07/2022 09:00	4.1	251	15	5.4	0
12/07/2022 09:10	4.2	249	17	5.6	0
12/07/2022 09:20	4.1	243	16	5.6	0
12/07/2022 09:30	3.8	256	17	5.1	0
12/07/2022 09:40	4.1	251	13	5.6	0
12/07/2022 09:50	3.6	251	18	5.3	0
12/07/2022 10:00	3.6	264	18	5.4	0
12/07/2022 10:10	3.6	257	16	5.6	0
12/07/2022 10:20	3.9	251	18	5.9	0
12/07/2022 10:30	3.8	252	20	5.7	0
12/07/2022 10:40	4.1	253	17	5.9	0
12/07/2022 10:50	4.5	251	16	6.2	0
12/07/2022 11:00	4.4	250	17	6.3	0
12/07/2022 11:10	4.6	241	14	6	0
12/07/2022 11:20	4.7	242	18	6.8	0
12/07/2022 11:30	4.7	246	18	6.7	0
12/07/2022 11:40	4.6	249	17	6.5	0
12/07/2022 11:50	4.2	251	20	6.7	0
12/07/2022 12:00	5.3	244	16	7.8	0
12/07/2022 12:10	5.3	246	16	6.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/07/2022 12:20	5.2	243	16	7.1	0
12/07/2022 12:30	4.5	254	20	6.7	0
12/07/2022 12:40	4.9	252	22	7.4	0
12/07/2022 12:50	5.3	246	17	7.5	0
12/07/2022 13:00	5.9	240	15	7.5	0
12/07/2022 13:10	5.8	242	15	8	0
12/07/2022 13:20	5.6	242	17	8	0
12/07/2022 13:30	5.8	239	17	7.7	0
12/07/2022 13:40	5.4	240	16	7.9	0
12/07/2022 13:50	5.4	236	16	7.3	0
12/07/2022 14:00	5.8	238	14	7.9	0
12/07/2022 14:10	5.2	238	16	7.2	0
12/07/2022 14:20	5.4	245	17	7.5	0
12/07/2022 14:30	5.8	242	16	8.4	0
12/07/2022 14:40	5.5	240	18	7.7	0
12/07/2022 14:50	5.6	241	18	8.4	0
12/07/2022 15:00	5.5	242	17	7.9	0
12/07/2022 15:10	5.6	242	16	7.9	0
12/07/2022 15:20	5.6	243	16	8	0
12/07/2022 15:30	5.9	243	18	7.7	0
12/07/2022 15:40	5.4	246	16	7.5	0
12/07/2022 15:50	5.2	248	18	8.3	0
12/07/2022 16:00	5.4	247	15	7.2	0
12/07/2022 16:10	5.6	243	15	7.9	0
12/07/2022 16:20	6	241	18	8.4	0
12/07/2022 16:30	5.9	236	17	8	0
12/07/2022 16:40	5.1	250	16	7.5	0
12/07/2022 16:50	5	245	17	7.9	0
12/07/2022 17:00	5.3	241	14	8.3	0
12/07/2022 17:10	5.1	244	17	7.6	0
12/07/2022 17:20	5.4	253	17	7.6	0
12/07/2022 17:30	4.9	245	16	6.8	0
12/07/2022 17:40	5.2	249	16	7.5	0
12/07/2022 17:50	5.1	246	17	7.1	0
12/07/2022 18:00	4.8	247	14	7.5	0
12/07/2022 18:10	4.5	254	18	6.6	0
12/07/2022 18:20	4.4	248	16	6.4	0
12/07/2022 18:30	4.9	249	15	7	0
12/07/2022 18:40	4.6	248	14	6.9	0
12/07/2022 18:50	4.7	248	15	7	0
12/07/2022 19:00	4.6	248	15	6.9	0
12/07/2022 19:10	5	246	19	7.6	0
12/07/2022 19:20	4.9	251	16	7.2	0
12/07/2022 19:30	5	246	17	7.5	0
12/07/2022 19:40	4.5	252	17	6.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/07/2022 19:50	4.8	251	18	7.4	0
12/07/2022 20:00	5.2	250	19	7.5	0
12/07/2022 20:10	5.7	252	18	7.8	0
12/07/2022 20:20	5.6	249	18	8	0
12/07/2022 20:30	5.5	253	17	7.9	0
12/07/2022 20:40	5.5	249	17	8.6	0
12/07/2022 20:50	5.1	248	20	7.3	0
12/07/2022 21:00	5.4	246	17	8	0
12/07/2022 21:10	5.2	247	16	8	0
12/07/2022 21:20	5.6	252	17	8	0
12/07/2022 21:30	5.3	249	15	7.5	0
12/07/2022 21:40	5.5	245	17	7.2	0
12/07/2022 21:50	5.1	243	19	7.8	0
12/07/2022 22:00	5	249	17	7.6	0
12/07/2022 22:10	4.9	247	19	7.2	0
12/07/2022 22:20	5.2	245	16	7.8	0
12/07/2022 22:30	5.6	236	18	8.5	0
12/07/2022 22:40	5.6	241	15	8	0
12/07/2022 22:50	5	239	16	7.7	0
12/07/2022 23:00	4.8	237	17	8.1	0
12/07/2022 23:10	5.9	240	19	8.3	0
12/07/2022 23:20	5.4	242	17	8.1	0
12/07/2022 23:30	6.2	237	18	9.2	0
12/07/2022 23:40	5.2	238	20	8.3	0
12/07/2022 23:50	5.1	236	16	7.7	0
12/08/2022 00:00	4.6	238	20	7.2	0
12/08/2022 00:10	5.2	235	17	7.2	0
12/08/2022 00:20	5.2	235	18	7.4	0
12/08/2022 00:30	5.2	243	17	8.3	0
12/08/2022 00:40	5.5	245	18	8.1	0
12/08/2022 00:50	5.3	244	19	7.5	0
12/08/2022 01:00	4.7	242	17	7.6	0
12/08/2022 01:10	5.2	235	17	7.6	0
12/08/2022 01:20	4.7	238	18	7.2	0
12/08/2022 01:30	5	239	17	7.7	0
12/08/2022 01:40	5.2	241	17	7.5	0
12/08/2022 01:50	4.9	239	18	7.5	0
12/08/2022 02:00	4.8	238	21	6.8	0
12/08/2022 02:10	4.7	242	17	7.5	0
12/08/2022 02:20	4.3	240	18	6.4	0
12/08/2022 02:30	3.9	241	18	5.2	0
12/08/2022 02:40	3.9	242	17	5.7	0
12/08/2022 02:50	3.5	243	15	5.1	0
12/08/2022 03:00	3.3	243	18	5.5	0
12/08/2022 03:10	3.2	247	18	4.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/08/2022 03:20	2.9	249	18	4.6	0
12/08/2022 03:30	2.8	244	20	4	0
12/08/2022 03:40	3.2	247	17	4.8	0
12/08/2022 03:50	3	247	18	4.4	0
12/08/2022 04:00	3	253	18	4.5	0
12/08/2022 04:10	2.4	251	18	4.1	0
12/08/2022 04:20	2.8	257	16	4.1	0
12/08/2022 04:30	2.6	249	18	4.1	0
12/08/2022 04:40	2.4	256	16	4	0
12/08/2022 04:50	2.5	250	16	4	0
12/08/2022 05:00	2.6	247	18	3.8	0
12/08/2022 05:10	3.2	256	14	4.8	0
12/08/2022 05:20	3.4	254	18	4.9	0
12/08/2022 05:30	3.4	254	17	4.9	0
12/08/2022 05:40	3.4	251	16	5	0
12/08/2022 05:50	2.9	249	18	4.2	0
12/08/2022 06:00	2.8	249	21	4.3	0
12/08/2022 06:10	3	248	19	4.4	0
12/08/2022 06:20	2.7	260	18	4.1	0
12/08/2022 06:30	2.8	257	17	3.7	0
12/08/2022 06:40	3.2	251	15	4.5	0
12/08/2022 06:50	3.3	246	19	4.4	0
12/08/2022 07:00	3.5	242	18	5.4	0
12/08/2022 07:10	3.6	242	17	5.5	0
12/08/2022 07:20	3.7	242	20	5.8	0
12/08/2022 07:30	3.8	237	17	5.6	0
12/08/2022 07:40	3.7	238	18	5.3	0
12/08/2022 07:50	3.7	240	18	5.4	0
12/08/2022 08:00	3.7	240	19	5.6	0
12/08/2022 08:10	4	241	19	5.7	0
12/08/2022 08:20	4.1	236	16	6	0
12/08/2022 08:30	4	233	19	5.9	0
12/08/2022 08:40	3.9	230	21	5.9	0
12/08/2022 08:50	4.3	220	17	6.5	0
12/08/2022 09:00	4.6	221	19	7.2	0
12/08/2022 09:10	4.6	227	18	6.4	0
12/08/2022 09:20	4.7	223	22	6.7	0
12/08/2022 09:30	4.7	225	20	6.8	0
12/08/2022 09:40	4.6	231	21	6.8	0
12/08/2022 09:50	4.3	233	21	6.6	0
12/08/2022 10:00	4.6	224	21	6.8	0
12/08/2022 10:10	4.3	228	23	6.8	0
12/08/2022 10:20	4.3	237	21	6.4	0
12/08/2022 10:30	4.5	213	19	7.2	0
12/08/2022 10:40	4.5	220	22	6.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/08/2022 10:50	3.7	241	24	6	0
12/08/2022 11:00	3.9	250	18	5.4	0
12/08/2022 11:10	3.8	253	18	5.1	0
12/08/2022 11:20	4.2	246	15	6	0
12/08/2022 11:30	4.2	257	19	6.3	0
12/08/2022 11:40	4.5	248	18	6.3	0
12/08/2022 11:50	4.6	252	17	6.6	0
12/08/2022 12:00	4.2	251	18	5.8	0
12/08/2022 12:10	4.4	256	21	6.8	0
12/08/2022 12:20	4.6	257	19	6.6	0
12/08/2022 12:30	4.5	247	19	6.8	0
12/08/2022 12:40	4.9	249	19	7	0
12/08/2022 12:50	4.7	243	16	6.6	0
12/08/2022 13:00	4.9	240	17	6.9	0
12/08/2022 13:10	4.7	239	17	6.4	0
12/08/2022 13:20	4.8	242	17	6.9	0
12/08/2022 13:30	4.5	247	20	6.7	0
12/08/2022 13:40	4.8	250	17	6.6	0
12/08/2022 13:50	5.1	244	16	7	0
12/08/2022 14:00	4.8	246	18	7.1	0
12/08/2022 14:10	4.6	242	18	6.4	0
12/08/2022 14:20	4.7	246	17	6.5	0
12/08/2022 14:30	4.9	238	19	6.8	0
12/08/2022 14:40	5.3	235	17	7.1	0
12/08/2022 14:50	5.5	233	15	7.3	0
12/08/2022 15:00	5.5	229	15	7.2	0
12/08/2022 15:10	5.5	229	15	7.2	0
12/08/2022 15:20	5.6	234	15	7.8	0
12/08/2022 15:30	5.5	234	15	7.5	0
12/08/2022 15:40	5.5	237	16	7.6	0
12/08/2022 15:50	5.2	246	16	7.2	0
12/08/2022 16:00	5.2	244	15	7.6	0
12/08/2022 16:10	5.5	242	19	7.6	0
12/08/2022 16:20	4.8	245	16	7.3	0
12/08/2022 16:30	5	244	17	7.2	0
12/08/2022 16:40	5	238	15	6.9	0
12/08/2022 16:50	4.5	248	18	7.3	0
12/08/2022 17:00	3.2	250	22	5.6	0
12/08/2022 17:10	4.2	254	21	6.4	0
12/08/2022 17:20	4.9	250	12	7.2	0
12/08/2022 17:30	4.8	248	18	7.2	0
12/08/2022 17:40	3.8	251	18	6	0
12/08/2022 17:50	4.7	245	19	7.2	0
12/08/2022 18:00	3.9	251	22	6	0
12/08/2022 18:10	4.2	250	21	6.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/08/2022 18:20	4.6	254	16	6.4	0
12/08/2022 18:30	4.1	252	20	6.4	0
12/08/2022 18:40	4.5	256	17	6.8	0
12/08/2022 18:50	3.9	257	20	6.2	0
12/08/2022 19:00	4.5	246	16	7.1	0
12/08/2022 19:10	4.5	253	17	6.1	0
12/08/2022 19:20	3.9	261	18	6	0
12/08/2022 19:30	4.2	257	15	5.6	0
12/08/2022 19:40	3.8	256	20	5.6	0
12/08/2022 19:50	4.5	256	18	6.9	0
12/08/2022 20:00	4.8	250	13	7.1	0
12/08/2022 20:10	4.7	258	17	7.2	0
12/08/2022 20:20	4.5	259	17	7.3	0
12/08/2022 20:30	5	251	15	7.7	0
12/08/2022 20:40	4.8	256	17	6.6	0
12/08/2022 20:50	4.8	255	16	7	0
12/08/2022 21:00	4.2	258	19	6.4	0
12/08/2022 21:10	5.1	254	14	7.7	0
12/08/2022 21:20	4.6	256	16	6.4	0
12/08/2022 21:30	5.2	253	17	7.4	0
12/08/2022 21:40	5.1	260	16	7.5	0
12/08/2022 21:50	4.6	256	16	6.3	0
12/08/2022 22:00	4.7	252	18	7	0
12/08/2022 22:10	5.3	253	13	8.2	0
12/08/2022 22:20	5.5	252	14	7.8	0
12/08/2022 22:30	5.1	254	15	7.2	0
12/08/2022 22:40	5	252	14	7.2	0
12/08/2022 22:50	4.8	250	15	6.9	0
12/08/2022 23:00	4.8	251	15	6.6	0
12/08/2022 23:10	4.6	259	18	7.1	0
12/08/2022 23:20	5.4	254	16	7.5	0
12/08/2022 23:30	5.2	250	14	7.9	0
12/08/2022 23:40	4.8	254	15	7.1	0
12/08/2022 23:50	5.3	252	14	7.6	0
12/09/2022 00:00	5.3	256	15	7.5	0
12/09/2022 00:10	5.5	254	14	7.8	0
12/09/2022 00:20	5.2	253	15	7.5	0
12/09/2022 00:30	4.7	255	17	7.9	0
12/09/2022 00:40	4.5	255	18	6.5	0
12/09/2022 00:50	4.7	255	16	7.2	0
12/09/2022 01:00	5.2	255	15	7.6	0
12/09/2022 01:10	5.4	257	12	7.4	0
12/09/2022 01:20	4.8	253	14	6.7	0
12/09/2022 01:30	4.8	255	15	7.2	0
12/09/2022 01:40	5	260	15	6.9	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/09/2022 01:50	4.7	258	15	6.9	0
12/09/2022 02:00	5.1	255	17	7.2	0
12/09/2022 02:10	4.8	253	17	7	0
12/09/2022 02:20	5.1	256	16	7	0
12/09/2022 02:30	4.6	255	17	7	0
12/09/2022 02:40	5.1	253	15	7.3	0
12/09/2022 02:50	4.9	251	19	6.8	0
12/09/2022 03:00	4.6	255	17	6.4	0
12/09/2022 03:10	4.4	249	14	6.5	0
12/09/2022 03:20	4.4	249	17	6.6	0
12/09/2022 03:30	4.4	253	17	6.5	0
12/09/2022 03:40	3.9	247	16	5.9	0
12/09/2022 03:50	4.1	247	16	5.9	0
12/09/2022 04:00	3.7	245	18	5.3	0
12/09/2022 04:10	3.9	243	17	5.6	0
12/09/2022 04:20	3.9	238	19	6	0
12/09/2022 04:30	3.8	242	15	6	0
12/09/2022 04:40	4	240	14	6	0
12/09/2022 04:50	4.4	237	16	6.4	0
12/09/2022 05:00	4.3	246	18	6.2	0
12/09/2022 05:10	4.4	245	15	6.7	0
12/09/2022 05:20	4.3	247	14	6.7	0
12/09/2022 05:30	3.9	249	17	5.6	0
12/09/2022 05:40	4.2	252	17	6.6	0
12/09/2022 05:50	4.5	249	15	5.9	0
12/09/2022 06:00	4.8	254	14	7	0
12/09/2022 06:10	4.4	252	19	6.7	0
12/09/2022 06:20	4.5	243	15	6.2	0
12/09/2022 06:30	4.6	243	18	6.5	0
12/09/2022 06:40	4.6	240	15	6.4	0
12/09/2022 06:50	4.8	239	15	6.7	0
12/09/2022 07:00	4.6	248	18	6.9	0
12/09/2022 07:10	4.7	246	18	7.1	0
12/09/2022 07:20	4.8	252	18	6.8	0
12/09/2022 07:30	4.8	244	17	6.8	0
12/09/2022 07:40	4.5	247	17	6.3	0
12/09/2022 07:50	4.7	246	16	6.4	0
12/09/2022 08:00	4.7	252	15	6	0
12/09/2022 08:10	4.7	253	16	6.4	0
12/09/2022 08:20	4.3	250	19	5.6	0
12/09/2022 08:30	4.9	252	14	6.4	0
12/09/2022 08:40	4.4	243	18	6.1	0
12/09/2022 08:50	4.2	248	19	6	0
12/09/2022 09:00	4.3	249	16	6.1	0
12/09/2022 09:10	4.5	247	17	6.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/09/2022 09:20	4.3	248	18	6.1	0
12/09/2022 09:30	4.1	255	20	5.9	0
12/09/2022 09:40	4.5	245	17	6.2	0
12/09/2022 09:50	4.7	254	17	6.8	0
12/09/2022 10:00	4.7	247	13	6.2	0
12/09/2022 10:10	4.8	246	15	6.9	0
12/09/2022 10:20	4.4	249	17	6.8	0
12/09/2022 10:30	4.5	250	18	6.8	0
12/09/2022 10:40	4.2	253	19	6.3	0
12/09/2022 10:50	4.2	258	19	6.2	0
12/09/2022 11:00	4.5	252	16	6	0
12/09/2022 11:10	4.3	256	21	6	0
12/09/2022 11:20	4.5	252	19	6.7	0
12/09/2022 11:30	4.6	250	17	6.3	0
12/09/2022 11:40	4.7	252	19	7.1	0
12/09/2022 11:50	5	248	18	7.5	0
12/09/2022 12:00	4.9	250	16	8	0
12/09/2022 12:10	5.1	248	17	6.9	0
12/09/2022 12:20	5	247	15	7.7	0
12/09/2022 12:30	4.8	244	20	6.7	0
12/09/2022 12:40	5.6	244	14	7.5	0
12/09/2022 12:50	5.3	243	12	7.6	0
12/09/2022 13:00	5.6	244	14	7.6	0
12/09/2022 13:10	5.8	245	13	7.7	0
12/09/2022 13:20	5.9	244	14	8.3	0
12/09/2022 13:30	5.2	242	19	7.2	0
12/09/2022 13:40	5.4	246	15	7.2	0
12/09/2022 13:50	5	245	17	7.5	0
12/09/2022 14:00	4.8	253	18	6.7	0
12/09/2022 14:10	5.1	246	15	7.5	0
12/09/2022 14:20	5.2	243	16	7.7	0
12/09/2022 14:30	5.3	245	19	7.6	0
12/09/2022 14:40	5.6	243	15	7.2	0
12/09/2022 14:50	5.4	246	18	7.9	0
12/09/2022 15:00	5.4	242	18	7.9	0
12/09/2022 15:10	5.9	246	20	8.2	0
12/09/2022 15:20	5.5	248	18	8.3	0
12/09/2022 15:30	6.5	244	15	8.6	0
12/09/2022 15:40	6.4	251	17	8.8	0
12/09/2022 15:50	6.6	251	14	9.1	0
12/09/2022 16:00	7.2	250	15	9.9	0
12/09/2022 16:10	6.8	249	16	9.7	0
12/09/2022 16:20	6.5	252	12	8.3	0
12/09/2022 16:30	6	250	17	8.6	0
12/09/2022 16:40	5.9	254	16	8.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/09/2022 16:50	5.9	250	15	8.3	0
12/09/2022 17:00	5.9	252	15	8.1	0
12/09/2022 17:10	5.5	249	15	8.1	0
12/09/2022 17:20	5.6	254	14	7.2	0
12/09/2022 17:30	5.2	255	15	7.2	0
12/09/2022 17:40	5.1	259	16	6.8	0
12/09/2022 17:50	5.4	250	14	7.4	0
12/09/2022 18:00	5	253	15	6.9	0
12/09/2022 18:10	5	249	14	7.1	0
12/09/2022 18:20	4.9	252	15	6.8	0
12/09/2022 18:30	4.6	252	14	6.2	0
12/09/2022 18:40	4.6	253	12	6.4	0
12/09/2022 18:50	4.5	251	13	6.7	0
12/09/2022 19:00	4.8	255	15	6.5	0
12/09/2022 19:10	4.5	254	14	5.9	0
12/09/2022 19:20	4.4	259	12	6.1	0
12/09/2022 19:30	4.4	258	15	6.4	0
12/09/2022 19:40	4.4	256	13	6.1	0
12/09/2022 19:50	4	257	15	5.6	0
12/09/2022 20:00	4.1	254	13	5.7	0
12/09/2022 20:10	4.2	262	15	6	0
12/09/2022 20:20	3.8	256	16	5.6	0
12/09/2022 20:30	4.1	259	16	6.3	0
12/09/2022 20:40	3.9	258	15	5.9	0
12/09/2022 20:50	3.6	258	16	5.2	0
12/09/2022 21:00	3.3	255	14	5.2	0
12/09/2022 21:10	3.4	254	15	4.8	0
12/09/2022 21:20	2.8	259	15	4.3	0
12/09/2022 21:30	3.3	251	16	4.7	0
12/09/2022 21:40	3.8	253	14	5.1	0
12/09/2022 21:50	3.7	259	15	6	0
12/09/2022 22:00	3.7	262	17	6	0
12/09/2022 22:10	4	259	15	5.6	0
12/09/2022 22:20	4.1	257	17	5.8	0
12/09/2022 22:30	4.2	256	16	5.8	0
12/09/2022 22:40	4.1	252	14	5.7	0
12/09/2022 22:50	3.8	250	15	5.6	0
12/09/2022 23:00	4.2	256	14	5.6	0
12/09/2022 23:10	4.1	254	14	6.2	0
12/09/2022 23:20	3.9	260	13	5.6	0
12/09/2022 23:30	4	259	16	5.4	0
12/09/2022 23:40	3.9	254	16	5.6	0
12/09/2022 23:50	3.8	258	16	5.7	0
12/10/2022 00:00	3.5	251	15	5.2	0
12/10/2022 00:10	3.1	251	15	4.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/10/2022 00:20	3.2	249	16	4.4	0
12/10/2022 00:30	2.9	247	16	4	0
12/10/2022 00:40	3.5	248	16	5.1	0
12/10/2022 00:50	3.7	253	16	5.4	0
12/10/2022 01:00	3.8	254	18	5.3	0
12/10/2022 01:10	3.9	252	15	5.7	0
12/10/2022 01:20	3.6	250	18	4.8	0
12/10/2022 01:30	3.7	248	16	6.1	0
12/10/2022 01:40	3.7	246	18	5.6	0
12/10/2022 01:50	3.4	248	15	5.2	0
12/10/2022 02:00	3.2	253	20	5.1	0
12/10/2022 02:10	3.3	252	16	4.7	0
12/10/2022 02:20	3.5	254	16	5.6	0
12/10/2022 02:30	3.7	257	16	5.3	0
12/10/2022 02:40	3.8	259	13	5.4	0
12/10/2022 02:50	3.6	259	13	5.4	0
12/10/2022 03:00	3.3	262	14	4.9	0
12/10/2022 03:10	3.2	263	14	4.3	0
12/10/2022 03:20	3.3	266	15	4.6	0
12/10/2022 03:30	3.5	258	15	4.9	0
12/10/2022 03:40	3.3	258	13	4.8	0
12/10/2022 03:50	3.1	247	18	4.5	0
12/10/2022 04:00	3.5	261	14	4.7	0
12/10/2022 04:10	3.8	261	14	5.1	0
12/10/2022 04:20	3.1	256	13	4.4	0
12/10/2022 04:30	3.5	260	14	4.7	0
12/10/2022 04:40	3.4	265	13	4.6	0
12/10/2022 04:50	3	258	15	4.2	0
12/10/2022 05:00	2.7	261	15	4	0
12/10/2022 05:10	2.6	258	16	3.8	0
12/10/2022 05:20	2	258	20	3.1	0
12/10/2022 05:30	1.9	257	19	2.9	0
12/10/2022 05:40	2.1	258	17	2.9	0
12/10/2022 05:50	2.2	267	17	3.1	0
12/10/2022 06:00	2.4	271	18	3.6	0
12/10/2022 06:10	2.3	274	19	3.2	0
12/10/2022 06:20	2.2	274	23	3.5	0
12/10/2022 06:30	2.4	278	18	3.6	0
12/10/2022 06:40	2.4	271	19	3.3	0
12/10/2022 06:50	2	271	21	3.2	0
12/10/2022 07:00	1.7	271	23	2.6	0
12/10/2022 07:10	1.8	259	25	2.8	0
12/10/2022 07:20	1.8	280	19	2.5	0
12/10/2022 07:30	1.9	263	18	3.1	0
12/10/2022 07:40	1.9	261	21	3.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/10/2022 07:50	1.7	275	27	2.4	0
12/10/2022 08:00	1.8	258	27	2.8	0
12/10/2022 08:10	2.1	251	20	3.2	0
12/10/2022 08:20	2.2	244	26	3.6	0
12/10/2022 08:30	2.2	256	21	2.9	0
12/10/2022 08:40	2	253	25	2.9	0
12/10/2022 08:50	2.3	260	22	3.3	0
12/10/2022 09:00	2.4	251	20	3.5	0
12/10/2022 09:10	2.3	256	27	3.5	0
12/10/2022 09:20	2.5	246	26	3.9	0
12/10/2022 09:30	2.7	251	15	3.8	0
12/10/2022 09:40	2.9	253	20	4.3	0
12/10/2022 09:50	3	244	23	4.2	0
12/10/2022 10:00	2.9	258	17	3.9	0
12/10/2022 10:10	2.9	257	19	3.9	0
12/10/2022 10:20	3.5	256	19	5	0
12/10/2022 10:30	3.8	249	18	5.5	0
12/10/2022 10:40	3.6	239	17	5.3	0
12/10/2022 10:50	3.6	240	22	5.2	0
12/10/2022 11:00	3.6	249	17	5.3	0
12/10/2022 11:10	3.9	254	21	5.4	0
12/10/2022 11:20	4.2	253	17	5.4	0
12/10/2022 11:30	4.1	254	16	5.6	0
12/10/2022 11:40	4.2	257	14	5.6	0
12/10/2022 11:50	4.3	257	18	6	0
12/10/2022 12:00	4.6	254	16	6.1	0
12/10/2022 12:10	4.7	253	14	6.3	0
12/10/2022 12:20	4.8	256	15	6.4	0
12/10/2022 12:30	4.9	253	16	6.4	0
12/10/2022 12:40	4.8	257	15	6.8	0
12/10/2022 12:50	4.9	256	16	6.5	0
12/10/2022 13:00	5.1	252	18	6.7	0
12/10/2022 13:10	5.1	260	15	6.7	0
12/10/2022 13:20	5.4	253	15	7.2	0
12/10/2022 13:30	5.7	256	15	7.6	0
12/10/2022 13:40	5.1	255	15	7.1	0
12/10/2022 13:50	4.8	255	16	6.7	0
12/10/2022 14:00	5.5	250	14	7.2	0
12/10/2022 14:10	5.3	250	17	7.5	0
12/10/2022 14:20	5.1	252	17	7.3	0
12/10/2022 14:30	5.6	256	13	7.3	0
12/10/2022 14:40	5.4	251	17	7.3	0
12/10/2022 14:50	5.4	252	18	7.2	0
12/10/2022 15:00	5.1	256	14	7.4	0
12/10/2022 15:10	5.2	256	14	7.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/10/2022 15:20	5.1	257	14	7.3	0
12/10/2022 15:30	4.9	258	17	7.2	0
12/10/2022 15:40	4.5	251	18	6.4	0
12/10/2022 15:50	4.7	252	19	6.8	0
12/10/2022 16:00	5.2	251	20	7.7	0
12/10/2022 16:10	5.1	250	19	7.5	0
12/10/2022 16:20	4.9	246	19	6.9	0
12/10/2022 16:30	5.2	242	18	7.9	0
12/10/2022 16:40	5.4	250	17	7.3	0
12/10/2022 16:50	5	246	21	7.2	0
12/10/2022 17:00	4.8	261	18	7.1	0
12/10/2022 17:10	4.7	256	16	7.1	0
12/10/2022 17:20	4.4	254	19	6.4	0
12/10/2022 17:30	4	259	18	5.6	0
12/10/2022 17:40	4.6	252	14	6.5	0
12/10/2022 17:50	4.6	253	14	6.5	0
12/10/2022 18:00	4.3	253	15	6.2	0
12/10/2022 18:10	3.7	255	20	5.3	0
12/10/2022 18:20	4.1	254	14	5.7	0
12/10/2022 18:30	3.3	270	19	5.2	0
12/10/2022 18:40	3.3	269	20	4.5	0
12/10/2022 18:50	3	268	23	4.4	0
12/10/2022 19:00	2.6	274	21	4	0
12/10/2022 19:10	3.3	257	15	4.8	0
12/10/2022 19:20	3.1	252	18	4.5	0
12/10/2022 19:30	3.6	251	17	5.6	0
12/10/2022 19:40	3.3	255	15	4.8	0
12/10/2022 19:50	4	255	13	5.5	0
12/10/2022 20:00	3.8	260	16	5.5	0
12/10/2022 20:10	3	259	17	4.4	0
12/10/2022 20:20	3.1	259	18	4.5	0
12/10/2022 20:30	2.7	258	14	4.1	0
12/10/2022 20:40	2.7	255	17	4.5	0
12/10/2022 20:50	2.6	261	19	4	0
12/10/2022 21:00	3.2	265	16	4.9	0
12/10/2022 21:10	3.5	254	16	5.2	0
12/10/2022 21:20	3.6	254	17	4.8	0
12/10/2022 21:30	3	257	13	4.4	0
12/10/2022 21:40	3.1	260	13	4.2	0
12/10/2022 21:50	2.3	242	17	3.7	0
12/10/2022 22:00	2.2	255	16	3.2	0
12/10/2022 22:10	2.5	261	14	3.9	0
12/10/2022 22:20	2.4	255	19	4.1	0
12/10/2022 22:30	2.8	269	17	4.1	0
12/10/2022 22:40	2.7	251	20	4.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/10/2022 22:50	3.4	240	18	5	0
12/10/2022 23:00	3.1	247	16	4.8	0
12/10/2022 23:10	2.8	254	19	4.7	0
12/10/2022 23:20	3.1	260	15	4.4	0
12/10/2022 23:30	3.2	268	15	4.7	0
12/10/2022 23:40	2.9	266	15	4.3	0
12/10/2022 23:50	3	262	18	4	0
12/11/2022 00:00	2.7	269	17	3.8	0
12/11/2022 00:10	2.7	267	16	3.7	0
12/11/2022 00:20	2.6	269	18	3.6	0
12/11/2022 00:30	2.7	272	16	3.8	0
12/11/2022 00:40	2.8	268	17	4	0
12/11/2022 00:50	2.9	272	15	3.9	0
12/11/2022 01:00	3	270	14	4.1	0
12/11/2022 01:10	2.7	269	17	4	0
12/11/2022 01:20	2.7	268	16	3.8	0
12/11/2022 01:30	2.5	267	19	3.7	0
12/11/2022 01:40	2.6	262	17	3.6	0
12/11/2022 01:50	2.9	263	13	3.9	0
12/11/2022 02:00	2.8	265	16	4.8	0
12/11/2022 02:10	3	268	16	4.5	0
12/11/2022 02:20	3.2	269	15	4.4	0
12/11/2022 02:30	2.8	273	13	4	0
12/11/2022 02:40	2.7	276	18	3.7	0
12/11/2022 02:50	2.6	273	17	3.9	0
12/11/2022 03:00	2.7	271	16	3.9	0
12/11/2022 03:10	2.7	267	15	3.9	0
12/11/2022 03:20	2.7	266	18	4	0
12/11/2022 03:30	2.4	271	18	3.8	0
12/11/2022 03:40	2.6	276	15	4	0
12/11/2022 03:50	2.5	273	18	3.6	0
12/11/2022 04:00	2.4	264	17	4	0
12/11/2022 04:10	2.8	262	15	4	0
12/11/2022 04:20	2.6	269	17	3.3	0
12/11/2022 04:30	2.7	268	16	4	0
12/11/2022 04:40	2.6	268	14	3.7	0
12/11/2022 04:50	2.8	257	16	3.9	0
12/11/2022 05:00	2.6	259	18	3.6	0
12/11/2022 05:10	2.6	268	15	3.9	0
12/11/2022 05:20	2.5	268	17	3.8	0
12/11/2022 05:30	2.4	264	17	4	0
12/11/2022 05:40	2.2	257	20	3.2	0
12/11/2022 05:50	1.2	214	36	2	0
12/11/2022 06:00	0.9	210	21	1.9	0
12/11/2022 06:10	1.4	209	26	2.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/11/2022 06:20	2	208	23	3.2	0
12/11/2022 06:30	2.6	205	25	4.2	0
12/11/2022 06:40	2.6	192	16	4	0
12/11/2022 06:50	2.4	192	14	3.3	0
12/11/2022 07:00	2.7	185	18	4.4	0
12/11/2022 07:10	2.8	185	19	4	0
12/11/2022 07:20	3	183	18	4.6	0
12/11/2022 07:30	3	195	21	4.2	0
12/11/2022 07:40	3.2	198	17	4.5	0
12/11/2022 07:50	3.3	196	15	5	0
12/11/2022 08:00	3.2	192	16	4.3	0
12/11/2022 08:10	3	195	16	4	0
12/11/2022 08:20	2.9	187	19	4.4	0
12/11/2022 08:30	3	185	21	4.6	0
12/11/2022 08:40	3	178	22	5.1	0
12/11/2022 08:50	3.3	196	17	5.2	0
12/11/2022 09:00	4.3	199	20	6.4	0
12/11/2022 09:10	3.6	190	21	5.6	0
12/11/2022 09:20	3.9	195	17	5.6	0
12/11/2022 09:30	4.1	200	19	6.4	0
12/11/2022 09:40	4.4	209	17	6.4	0
12/11/2022 09:50	4.6	230	22	6.7	0
12/11/2022 10:00	3.6	256	22	4.9	0
12/11/2022 10:10	3.2	258	19	5	0
12/11/2022 10:20	3.3	252	20	4.6	0
12/11/2022 10:30	3.1	252	21	4.3	0
12/11/2022 10:40	2.8	256	20	4.4	0
12/11/2022 10:50	2.3	260	31	4.1	0
12/11/2022 11:00	3.3	254	21	5.4	0
12/11/2022 11:10	2.7	288	39	4.5	0
12/11/2022 11:20	2.7	322	33	4.2	0
12/11/2022 11:30	2.9	327	26	4.6	0
12/11/2022 11:40	3.4	325	23	5.7	0
12/11/2022 11:50	2.8	313	33	4.4	0
12/11/2022 12:00	3.4	313	27	5.1	0
12/11/2022 12:10	3	309	34	5.3	0
12/11/2022 12:20	3.1	319	24	4.8	0
12/11/2022 12:30	3.3	320	23	5.8	0
12/11/2022 12:40	3.4	316	29	5.6	0
12/11/2022 12:50	3.1	300	34	5.1	0
12/11/2022 13:00	3	281	33	5.2	0
12/11/2022 13:10	4.4	259	24	7.2	0
12/11/2022 13:20	4.7	257	20	6.9	0
12/11/2022 13:30	4.8	255	22	7.8	0
12/11/2022 13:40	3.5	251	25	5.5	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/11/2022 13:50	4.1	254	26	6.8	0
12/11/2022 14:00	5.2	247	18	8.3	0
12/11/2022 14:10	4.9	245	19	6.8	0
12/11/2022 14:20	5.5	243	18	7.6	0
12/11/2022 14:30	6.3	244	15	9.1	0
12/11/2022 14:40	6.1	244	19	9	0
12/11/2022 14:50	6	252	17	8.9	0
12/11/2022 15:00	6	257	16	9.4	0
12/11/2022 15:10	6.5	249	18	9.7	0
12/11/2022 15:20	5.8	251	18	9.1	0
12/11/2022 15:30	6.4	250	17	9.9	0
12/11/2022 15:40	6.3	250	17	10.3	0
12/11/2022 15:50	6.5	249	15	9.6	0
12/11/2022 16:00	6.4	247	16	9.8	0
12/11/2022 16:10	7.2	250	16	10.2	0
12/11/2022 16:20	6.6	252	16	9.2	0
12/11/2022 16:30	6	253	17	7.8	0
12/11/2022 16:40	5.8	252	17	8.9	0
12/11/2022 16:50	6.4	250	16	8.7	0
12/11/2022 17:00	5.8	252	17	7.8	0
12/11/2022 17:10	6.1	253	13	9.1	0
12/11/2022 17:20	6.2	251	18	8.3	0
12/11/2022 17:30	5.7	250	17	8.7	0
12/11/2022 17:40	5.8	252	14	8.7	0
12/11/2022 17:50	5.2	250	17	7.6	0
12/11/2022 18:00	5.3	250	17	8.5	0
12/11/2022 18:10	5.1	251	18	6.9	0
12/11/2022 18:20	5.1	248	19	7.9	0
12/11/2022 18:30	5.6	248	16	8.1	0
12/11/2022 18:40	5.1	253	18	7.3	0
12/11/2022 18:50	5.3	247	15	7.5	0
12/11/2022 19:00	5.5	252	17	7.9	0
12/11/2022 19:10	5.1	250	15	8	0
12/11/2022 19:20	5.5	250	16	8.1	0
12/11/2022 19:30	5.5	250	15	7.8	0
12/11/2022 19:40	4.7	247	21	6.9	0
12/11/2022 19:50	4.5	244	18	6.7	0
12/11/2022 20:00	4.6	252	16	6.5	0
12/11/2022 20:10	4.2	246	20	6.1	0
12/11/2022 20:20	4.6	248	18	6.8	0
12/11/2022 20:30	4.7	253	16	7.1	0
12/11/2022 20:40	5.1	251	16	7.1	0
12/11/2022 20:50	4.6	247	18	7.1	0
12/11/2022 21:00	4.3	253	16	6.6	0
12/11/2022 21:10	4.8	248	17	7.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/11/2022 21:20	4.1	254	17	6.5	0
12/11/2022 21:30	4.5	252	17	6.4	0
12/11/2022 21:40	4.7	256	17	6.9	0
12/11/2022 21:50	4.7	251	14	7.4	0
12/11/2022 22:00	4.7	253	17	7.2	0
12/11/2022 22:10	4.7	252	14	6.6	0
12/11/2022 22:20	4.7	254	17	6.5	0
12/11/2022 22:30	3.9	247	16	5.7	0
12/11/2022 22:40	4.7	250	17	6.5	0
12/11/2022 22:50	4.3	255	18	6.5	0
12/11/2022 23:00	4.9	252	16	7.2	0
12/11/2022 23:10	4.8	257	16	7	0
12/11/2022 23:20	4.5	253	18	6.9	0
12/11/2022 23:30	4.5	254	17	6.4	0
12/11/2022 23:40	4.2	248	16	6.6	0
12/11/2022 23:50	4.5	252	17	6.7	0
12/12/2022 00:00	4.3	251	19	6.6	0
12/12/2022 00:10	4.3	247	19	6.7	0
12/12/2022 00:20	4.5	253	17	7.5	0
12/12/2022 00:30	4.1	248	16	6.4	0
12/12/2022 00:40	4.5	249	15	6.4	0
12/12/2022 00:50	4.2	254	15	6.4	0
12/12/2022 01:00	4.4	256	17	6.1	0
12/12/2022 01:10	4.4	256	19	6.4	0
12/12/2022 01:20	4.4	257	16	6.2	0
12/12/2022 01:30	4.4	251	14	6.2	0
12/12/2022 01:40	3.9	252	15	6.3	0
12/12/2022 01:50	3.8	253	17	6	0
12/12/2022 02:00	3.9	252	15	6.4	0
12/12/2022 02:10	4.1	251	19	6	0
12/12/2022 02:20	3.9	249	17	6.4	0
12/12/2022 02:30	3.6	245	17	5.5	0
12/12/2022 02:40	3.6	253	18	5.2	0
12/12/2022 02:50	4.2	254	14	6.1	0
12/12/2022 03:00	4.3	254	14	6.4	0
12/12/2022 03:10	4.4	254	18	6.2	0
12/12/2022 03:20	3.8	253	15	5.5	0
12/12/2022 03:30	3.7	258	14	4.9	0
12/12/2022 03:40	4	256	13	5.3	0
12/12/2022 03:50	3.8	257	15	5.2	0
12/12/2022 04:00	3.9	262	14	5.6	0
12/12/2022 04:10	3.9	256	15	5.5	0
12/12/2022 04:20	3.9	261	16	5.4	0
12/12/2022 04:30	4.1	260	14	5.5	0
12/12/2022 04:40	4.3	255	13	5.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/12/2022 04:50	4	255	16	5.7	0
12/12/2022 05:00	3.9	256	14	5.2	0
12/12/2022 05:10	3.6	254	17	5.4	0
12/12/2022 05:20	3.8	255	17	5.6	0
12/12/2022 05:30	4.2	256	15	6.1	0
12/12/2022 05:40	3.6	254	15	5.6	0
12/12/2022 05:50	3.9	258	16	5.2	0
12/12/2022 06:00	3.5	256	16	4.8	0
12/12/2022 06:10	3.4	253	15	5.1	0
12/12/2022 06:20	4.1	257	12	5.8	0
12/12/2022 06:30	4.4	257	12	6	0
12/12/2022 06:40	4.1	254	18	5.8	0
12/12/2022 06:50	3.8	254	12	5.2	0
12/12/2022 07:00	4	251	12	5.6	0
12/12/2022 07:10	3.8	256	15	5.4	0
12/12/2022 07:20	3.8	248	17	5.4	0
12/12/2022 07:30	4.1	250	14	5.6	0
12/12/2022 07:40	3.8	254	16	5.2	0
12/12/2022 07:50	3.9	257	16	5.4	0
12/12/2022 08:00	3.5	255	20	4.8	0
12/12/2022 08:10	3.6	252	17	5	0
12/12/2022 08:20	3.4	258	19	4.9	0
12/12/2022 08:30	3.5	256	17	5	0
12/12/2022 08:40	3.4	252	15	4.6	0
12/12/2022 08:50	3.3	253	17	4.7	0
12/12/2022 09:00	3.1	253	17	4.2	0
12/12/2022 09:10	3	257	17	4.4	0
12/12/2022 09:20	2.6	263	23	3.9	0
12/12/2022 09:30	2.7	256	23	4.1	0
12/12/2022 09:40	2.9	255	19	4.5	0
12/12/2022 09:50	3.2	252	22	4.4	0
12/12/2022 10:00	3.3	253	16	4.6	0
12/12/2022 10:10	3.6	252	17	5	0
12/12/2022 10:20	3.8	250	18	5.6	0
12/12/2022 10:30	3.9	251	14	5.2	0
12/12/2022 10:40	3.8	247	17	5.2	0
12/12/2022 10:50	3.7	252	17	5.5	0
12/12/2022 11:00	4.2	251	15	5.6	0
12/12/2022 11:10	4.3	252	15	6	0
12/12/2022 11:20	3.1	257	20	4.8	0
12/12/2022 11:30	3.5	254	21	5.9	0
12/12/2022 11:40	3.8	252	19	5.7	0
12/12/2022 11:50	4.1	242	19	6.4	0
12/12/2022 12:00	4.8	243	19	6.2	0
12/12/2022 12:10	5.2	246	15	7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/12/2022 12:20	5.1	243	14	7.1	0
12/12/2022 12:30	5	246	14	7.3	0
12/12/2022 12:40	5.1	243	13	7	0
12/12/2022 12:50	4.9	242	14	6.7	0
12/12/2022 13:00	5.2	238	17	6.9	0
12/12/2022 13:10	5.3	236	15	7.4	0
12/12/2022 13:20	5.4	237	18	7.6	0
12/12/2022 13:30	5.5	240	15	7.9	0
12/12/2022 13:40	5.9	244	14	8	0
12/12/2022 13:50	5.8	239	16	7.8	0
12/12/2022 14:00	5.6	238	15	7.6	0
12/12/2022 14:10	5.1	239	15	7.5	0
12/12/2022 14:20	5.9	244	14	8.1	0
12/12/2022 14:30	6	236	17	8	0
12/12/2022 14:40	5	243	14	7.5	0
12/12/2022 14:50	5.1	243	18	7	0
12/12/2022 15:00	5.5	244	17	7.7	0
12/12/2022 15:10	5.4	246	17	7.4	0
12/12/2022 15:20	5.5	246	19	7.5	0
12/12/2022 15:30	5.1	246	17	6.8	0
12/12/2022 15:40	5	253	17	8	0
12/12/2022 15:50	5.3	254	21	7.8	0
12/12/2022 16:00	5.2	253	18	7.3	0
12/12/2022 16:10	5.1	253	16	7.4	0
12/12/2022 16:20	5.2	253	16	7.6	0
12/12/2022 16:30	5.4	247	15	7.9	0
12/12/2022 16:40	5.3	250	17	7.4	0
12/12/2022 16:50	5.4	248	16	7.5	0
12/12/2022 17:00	5.3	247	16	7.3	0
12/12/2022 17:10	5.9	244	15	9.5	0
12/12/2022 17:20	5.6	254	17	7.9	0
12/12/2022 17:30	5.7	248	15	8.6	0
12/12/2022 17:40	5.5	252	16	8.1	0
12/12/2022 17:50	5.7	250	16	8.3	0
12/12/2022 18:00	5.5	249	14	7.7	0
12/12/2022 18:10	5.5	252	18	7.6	0
12/12/2022 18:20	4.7	251	17	6.6	0
12/12/2022 18:30	4.6	254	16	6.7	0
12/12/2022 18:40	4.6	250	18	7.3	0
12/12/2022 18:50	4.7	249	18	7.3	0
12/12/2022 19:00	5.2	248	15	7.3	0
12/12/2022 19:10	5.2	253	17	7.5	0
12/12/2022 19:20	4.4	251	17	6.5	0
12/12/2022 19:30	4.2	245	16	6.3	0
12/12/2022 19:40	4	248	20	6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/12/2022 19:50	4.6	248	14	6.5	0
12/12/2022 20:00	4.4	254	17	6.6	0
12/12/2022 20:10	4.5	254	17	6.4	0
12/12/2022 20:20	4.5	256	17	7	0
12/12/2022 20:30	4.4	256	16	6	0
12/12/2022 20:40	4.6	259	19	6.4	0
12/12/2022 20:50	4.4	258	17	6.5	0
12/12/2022 21:00	5.2	257	15	6.9	0
12/12/2022 21:10	4.9	256	14	7.4	0
12/12/2022 21:20	4.4	248	19	6.3	0
12/12/2022 21:30	4.4	250	18	6.5	0
12/12/2022 21:40	4.2	255	16	6	0
12/12/2022 21:50	5.1	256	14	6.8	0
12/12/2022 22:00	4.3	251	15	7.1	0
12/12/2022 22:10	4.6	255	15	6	0
12/12/2022 22:20	4.6	245	15	6.6	0
12/12/2022 22:30	4.3	247	15	6.3	0
12/12/2022 22:40	4.6	255	16	6.9	0
12/12/2022 22:50	4.1	250	18	6.3	0
12/12/2022 23:00	3.9	249	15	5.6	0
12/12/2022 23:10	3.9	250	16	6	0
12/12/2022 23:20	4.3	257	16	6.3	0
12/12/2022 23:30	4.3	256	15	6.4	0
12/12/2022 23:40	4.6	255	15	6.6	0
12/12/2022 23:50	4.5	259	13	6.4	0
13/12/2022 00:00	4.2	257	14	6	0
13/12/2022 00:10	4.2	260	15	6	0
13/12/2022 00:20	4	256	15	6	0
13/12/2022 00:30	4	256	12	5.6	0
13/12/2022 00:40	4.2	258	15	5.7	0
13/12/2022 00:50	4.1	260	16	6	0
13/12/2022 01:00	4.1	256	14	6	0
13/12/2022 01:10	3.9	256	14	5.6	0
13/12/2022 01:20	3.8	258	14	5.8	0
13/12/2022 01:30	3.9	260	15	5.6	0
13/12/2022 01:40	3.9	263	15	5.4	0
13/12/2022 01:50	4.4	260	14	6.4	0
13/12/2022 02:00	4.2	261	17	5.9	0
13/12/2022 02:10	4.4	260	18	6.4	0
13/12/2022 02:20	4	259	14	5.9	0
13/12/2022 02:30	3.8	261	16	5.3	0
13/12/2022 02:40	3.8	256	15	5.5	0
13/12/2022 02:50	3.4	259	13	4.8	0
13/12/2022 03:00	3.5	261	15	5.2	0
13/12/2022 03:10	3.5	264	15	4.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/12/2022 03:20	3.1	261	13	4.4	0
13/12/2022 03:30	3.6	262	14	5	0
13/12/2022 03:40	3.9	258	12	5.1	0
13/12/2022 03:50	3.8	261	13	5.2	0
13/12/2022 04:00	3.9	264	12	5.6	0
13/12/2022 04:10	3.6	262	14	4.8	0
13/12/2022 04:20	3.1	261	15	4.2	0
13/12/2022 04:30	3	272	20	4.4	0
13/12/2022 04:40	3	274	20	4.7	0
13/12/2022 04:50	3.2	264	15	4.6	0
13/12/2022 05:00	2.6	264	18	4.3	0
13/12/2022 05:10	2.6	280	18	4.3	0
13/12/2022 05:20	2.8	283	20	4.3	0
13/12/2022 05:30	3.3	276	16	5	0
13/12/2022 05:40	2.8	277	20	3.9	0
13/12/2022 05:50	3.8	264	13	5.2	0
13/12/2022 06:00	3.7	268	17	5	0
13/12/2022 06:10	3.8	266	14	5.5	0
13/12/2022 06:20	3.3	271	16	4.5	0
13/12/2022 06:30	3.5	260	14	4.9	0
13/12/2022 06:40	3.8	261	13	5	0
13/12/2022 06:50	3.2	258	17	4.9	0
13/12/2022 07:00	3.4	260	14	4.8	0
13/12/2022 07:10	3.6	264	13	5.1	0
13/12/2022 07:20	4	257	13	5.4	0
13/12/2022 07:30	3.6	255	19	5.3	0
13/12/2022 07:40	4	252	16	5.6	0
13/12/2022 07:50	4.1	251	13	5.4	0
13/12/2022 08:00	3.7	256	14	5.2	0
13/12/2022 08:10	3.5	256	16	4.9	0
13/12/2022 08:20	3.1	259	15	4.3	0
13/12/2022 08:30	3.1	262	16	4	0
13/12/2022 08:40	2.6	273	22	4.2	0
13/12/2022 08:50	3.1	262	18	4	0
13/12/2022 09:00	3.8	258	13	4.8	0
13/12/2022 09:10	3.5	263	14	4.8	0
13/12/2022 09:20	3.6	258	15	4.7	0
13/12/2022 09:30	3.9	257	15	5.1	0
13/12/2022 09:40	4	256	15	5.2	0
13/12/2022 09:50	4.4	251	15	5.7	0
13/12/2022 10:00	4.6	248	12	6	0
13/12/2022 10:10	4.3	244	15	5.7	0
13/12/2022 10:20	4.3	246	14	5.8	0
13/12/2022 10:30	4.2	244	16	5.6	0
13/12/2022 10:40	4	252	16	5.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/12/2022 10:50	4	250	16	5.6	0
13/12/2022 11:00	4.2	251	18	5.8	0
13/12/2022 11:10	4.2	247	18	5.7	0
13/12/2022 11:20	3.4	254	21	5.1	0
13/12/2022 11:30	3.4	250	20	5	0
13/12/2022 11:40	3.3	254	18	4.8	0
13/12/2022 11:50	3.8	248	21	5.5	0
13/12/2022 12:00	4	245	17	5.2	0
13/12/2022 12:10	3.1	255	20	4.8	0
13/12/2022 12:20	2.7	269	39	4.5	0
13/12/2022 12:30	2.7	259	25	4.1	0
13/12/2022 12:40	3	250	22	4.7	0
13/12/2022 12:50	2.8	259	30	4.8	0
13/12/2022 13:00	3.7	234	17	5.2	0
13/12/2022 13:10	4.1	233	16	5.6	0
13/12/2022 13:20	4	242	16	5.9	0
13/12/2022 13:30	3.5	256	22	5.2	0
13/12/2022 13:40	2.5	264	38	4.6	0
13/12/2022 13:50	3.2	253	23	5.2	0
13/12/2022 14:00	2.9	265	30	4.7	0
13/12/2022 14:10	2.5	272	37	4	0
13/12/2022 14:20	3.1	263	30	5.2	0
13/12/2022 14:30	3.2	248	24	4.9	0
13/12/2022 14:40	3	267	28	4.8	0
13/12/2022 14:50	3.1	269	31	4.8	0
13/12/2022 15:00	2.7	274	37	4.4	0
13/12/2022 15:10	2.8	269	33	4.3	0
13/12/2022 15:20	2.8	269	43	4.7	0
13/12/2022 15:30	3	318	27	4.7	0
13/12/2022 15:40	2.9	313	36	4.5	0
13/12/2022 15:50	2.6	316	35	4.4	0
13/12/2022 16:00	2.8	317	34	5.2	0
13/12/2022 16:10	2.8	311	38	5.2	0
13/12/2022 16:20	3	271	31	4.9	0
13/12/2022 16:30	2.7	270	30	4.2	0
13/12/2022 16:40	2.9	264	26	4.5	0
13/12/2022 16:50	2.7	266	29	4.4	0
13/12/2022 17:00	3.5	254	19	5.1	0
13/12/2022 17:10	2.8	258	29	4.3	0
13/12/2022 17:20	3.9	249	18	6.4	0
13/12/2022 17:30	4.3	247	19	6.7	0
13/12/2022 17:40	4.7	252	15	7	0
13/12/2022 17:50	4.7	255	20	7.5	0
13/12/2022 18:00	4.4	258	18	6.7	0
13/12/2022 18:10	4.9	251	13	7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/12/2022 18:20	4.9	252	14	7.1	0
13/12/2022 18:30	5.1	249	16	7.2	0
13/12/2022 18:40	4.9	251	18	7.2	0
13/12/2022 18:50	3.4	253	19	5.7	0
13/12/2022 19:00	3.7	254	18	5.7	0
13/12/2022 19:10	4.3	259	17	6.1	0
13/12/2022 19:20	4.6	256	15	6.3	0
13/12/2022 19:30	4.7	252	16	6.4	0
13/12/2022 19:40	4	255	14	6.2	0
13/12/2022 19:50	4	253	17	5.7	0
13/12/2022 20:00	3.3	255	16	6.1	0
13/12/2022 20:10	4.6	248	15	7.2	0
13/12/2022 20:20	4.2	250	16	6.2	0
13/12/2022 20:30	3.8	253	18	5.9	0
13/12/2022 20:40	4	252	15	6	0
13/12/2022 20:50	3.7	255	20	5.8	0
13/12/2022 21:00	4.1	253	16	5.6	0
13/12/2022 21:10	3.9	255	15	5.8	0
13/12/2022 21:20	4	251	16	5.8	0
13/12/2022 21:30	4	257	16	5.6	0
13/12/2022 21:40	3.8	251	14	5.5	0
13/12/2022 21:50	4	249	16	5.7	0
13/12/2022 22:00	4.1	256	16	5.7	0
13/12/2022 22:10	4.1	258	14	6	0
13/12/2022 22:20	4.5	254	14	6.8	0
13/12/2022 22:30	4.2	252	15	6.2	0
13/12/2022 22:40	3.7	255	15	5.6	0
13/12/2022 22:50	3.8	257	13	5.6	0
13/12/2022 23:00	4.2	255	15	5.7	0
13/12/2022 23:10	4.2	258	14	6.2	0
13/12/2022 23:20	4.2	257	13	5.3	0
13/12/2022 23:30	3.8	259	14	5.4	0
13/12/2022 23:40	4	258	15	6.2	0
13/12/2022 23:50	3.9	262	16	5.6	0
14/12/2022 00:00	3.8	262	15	5.2	0
14/12/2022 00:10	3.9	264	14	5.9	0
14/12/2022 00:20	3.8	261	15	5.6	0
14/12/2022 00:30	3.9	257	16	5.2	0
14/12/2022 00:40	3.6	259	14	5.3	0
14/12/2022 00:50	3.4	265	16	4.8	0
14/12/2022 01:00	3.5	261	16	4.8	0
14/12/2022 01:10	3.6	263	15	5	0
14/12/2022 01:20	3.1	260	15	4.4	0
14/12/2022 01:30	3.2	264	14	4	0
14/12/2022 01:40	3.5	263	14	5.1	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/12/2022 01:50	3.3	258	15	4.6	0
14/12/2022 02:00	3.2	262	15	4.6	0
14/12/2022 02:10	3.4	260	15	4.7	0
14/12/2022 02:20	3.7	265	14	5.3	0
14/12/2022 02:30	3.6	264	16	5.2	0
14/12/2022 02:40	3.5	261	12	5.2	0
14/12/2022 02:50	3.6	262	16	5.1	0
14/12/2022 03:00	3.5	258	15	4.5	0
14/12/2022 03:10	2.9	254	15	3.9	0
14/12/2022 03:20	2.6	250	18	4	0
14/12/2022 03:30	2.7	244	15	4	0
14/12/2022 03:40	2.2	242	13	3.6	0
14/12/2022 03:50	2.4	252	17	3.7	0
14/12/2022 04:00	2.2	248	19	3.2	0
14/12/2022 04:10	2.6	261	16	3.8	0
14/12/2022 04:20	2.4	265	16	3.6	0
14/12/2022 04:30	2.4	264	16	3.5	0
14/12/2022 04:40	2.2	257	12	3.1	0
14/12/2022 04:50	2.2	266	13	3.2	0
14/12/2022 05:00	2	266	14	2.9	0
14/12/2022 05:10	2.6	265	14	3.8	0
14/12/2022 05:20	2.5	264	15	3.6	0
14/12/2022 05:30	2.2	260	15	3.2	0
14/12/2022 05:40	1.3	238	16	2	0
14/12/2022 05:50	2.1	257	14	3.4	0
14/12/2022 06:00	2	264	17	2.8	0
14/12/2022 06:10	2.5	264	16	3.6	0
14/12/2022 06:20	2.7	265	17	3.6	0
14/12/2022 06:30	2.7	266	14	3.4	0
14/12/2022 06:40	2.7	264	16	3.6	0
14/12/2022 06:50	2.2	255	17	3.6	0
14/12/2022 07:00	1.8	261	20	2.7	0
14/12/2022 07:10	1.5	236	25	2.4	0
14/12/2022 07:20	1.9	119	36	3.6	0
14/12/2022 07:30	1.7	131	27	2.5	0
14/12/2022 07:40	1.6	125	29	2.3	0
14/12/2022 07:50	1.5	103	34	2.4	0
14/12/2022 08:00	1.7	108	28	2.8	0
14/12/2022 08:10	1.7	88	27	3.4	0
14/12/2022 08:20	2.1	82	24	3.2	0
14/12/2022 08:30	2.1	89	30	3.4	0
14/12/2022 08:40	2.1	66	29	3.6	0
14/12/2022 08:50	2.1	65	28	3.6	0
14/12/2022 09:00	2.5	57	23	4.3	0
14/12/2022 09:10	2.3	67	25	3.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/12/2022 09:20	2.2	77	27	3.5	0
14/12/2022 09:30	2.6	90	30	4.2	0
14/12/2022 09:40	2.8	87	22	4	0
14/12/2022 09:50	2.7	76	21	4.4	0
14/12/2022 10:00	2.8	72	25	4.4	0
14/12/2022 10:10	3.1	58	22	4.5	0
14/12/2022 10:20	2.8	70	23	4.3	0
14/12/2022 10:30	2.8	68	21	4.6	0
14/12/2022 10:40	3	73	23	4.8	0
14/12/2022 10:50	2.9	76	23	4.8	0
14/12/2022 11:00	3	67	22	4.4	0
14/12/2022 11:10	3	68	23	4.3	0
14/12/2022 11:20	3.2	57	20	5.3	0
14/12/2022 11:30	3	76	26	5.6	0
14/12/2022 11:40	3.2	75	23	5.2	0
14/12/2022 11:50	2.8	71	21	4.3	0
14/12/2022 12:00	3.4	60	22	5.4	0
14/12/2022 12:10	3.3	58	24	5.3	0
14/12/2022 12:20	3.4	64	21	5	0
14/12/2022 12:30	3.4	58	24	6	0
14/12/2022 12:40	3.9	55	24	6.2	0
14/12/2022 12:50	3.9	48	22	6.4	0
14/12/2022 13:00	3.9	60	22	6	0
14/12/2022 13:10	4.1	62	20	6.5	0
14/12/2022 13:20	4.1	65	21	5.6	0
14/12/2022 13:30	4	67	21	6.4	0
14/12/2022 13:40	3.8	66	22	5.9	0
14/12/2022 13:50	3.7	68	19	5.6	0
14/12/2022 14:00	3.3	59	21	5.1	0
14/12/2022 14:10	3.4	69	21	5.9	0
14/12/2022 14:20	3.4	73	19	5.4	0
14/12/2022 14:30	3.9	75	18	5.9	0
14/12/2022 14:40	3.2	67	21	5.6	0
14/12/2022 14:50	3	58	25	4.9	0
14/12/2022 15:00	2.8	64	26	4.9	0
14/12/2022 15:10	2.6	21	38	4.8	0
14/12/2022 15:20	2.5	182	39	4.7	0
14/12/2022 15:30	2.5	179	37	4.4	0
14/12/2022 15:40	2.8	9	33	4.3	0
14/12/2022 15:50	2.8	4	35	4.4	0
14/12/2022 16:00	2.3	177	44	4.4	0
14/12/2022 16:10	3.3	335	31	5.5	0
14/12/2022 16:20	2.8	337	35	5.6	0
14/12/2022 16:30	3.4	333	29	5.6	0
14/12/2022 16:40	3.5	321	22	5.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/12/2022 16:50	3.2	315	34	5.1	0
14/12/2022 17:00	3.3	323	34	5.2	0
14/12/2022 17:10	3.1	314	26	5.4	0
14/12/2022 17:20	3.5	325	26	5.3	0
14/12/2022 17:30	3.5	313	21	5.5	0
14/12/2022 17:40	3.3	324	28	5.6	0
14/12/2022 17:50	3.3	322	27	5.3	0
14/12/2022 18:00	3.1	314	27	5	0
14/12/2022 18:10	2.5	315	41	4.5	0
14/12/2022 18:20	2.7	312	36	4.4	0
14/12/2022 18:30	2.6	309	35	4.4	0
14/12/2022 18:40	2.2	279	38	4	0
14/12/2022 18:50	2.5	265	31	4.4	0
14/12/2022 19:00	2.1	284	41	4	0
14/12/2022 19:10	2.1	265	37	3.5	0
14/12/2022 19:20	2.4	262	23	3.9	0
14/12/2022 19:30	2.6	255	17	3.9	0
14/12/2022 19:40	3	259	19	4.5	0
14/12/2022 19:50	3.6	256	17	5.5	0
14/12/2022 20:00	3.8	251	15	5.5	0
14/12/2022 20:10	3.7	253	18	5.5	0
14/12/2022 20:20	3.9	255	14	6	0
14/12/2022 20:30	3.7	256	16	5.9	0
14/12/2022 20:40	3.5	258	15	4.8	0
14/12/2022 20:50	3.5	259	17	5.2	0
14/12/2022 21:00	3.7	256	15	5.2	0
14/12/2022 21:10	3.7	257	17	5.5	0
14/12/2022 21:20	3.2	262	19	5.2	0
14/12/2022 21:30	3.8	260	17	5.4	0
14/12/2022 21:40	3.7	259	16	5.7	0
14/12/2022 21:50	3.6	260	16	5.2	0
14/12/2022 22:00	3.7	256	17	5.6	0
14/12/2022 22:10	4.6	260	15	6.5	0
14/12/2022 22:20	4.6	260	14	6.3	0
14/12/2022 22:30	4.5	255	16	6.6	0
14/12/2022 22:40	4	256	15	5.8	0
14/12/2022 22:50	4.2	259	15	5.8	0
14/12/2022 23:00	4.8	260	14	7	0
14/12/2022 23:10	4.4	259	15	6.1	0
14/12/2022 23:20	4.4	252	14	6.7	0
14/12/2022 23:30	4.9	255	11	6.8	0
14/12/2022 23:40	4.9	259	13	6.6	0
14/12/2022 23:50	4.2	260	14	5.9	0
15/12/2022 00:00	4.1	257	15	5.6	0
15/12/2022 00:10	4.2	255	15	6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/12/2022 00:20	3.7	255	16	5.7	0
15/12/2022 00:30	4.2	252	17	6.2	0
15/12/2022 00:40	4.4	254	16	6.2	0
15/12/2022 00:50	4	248	19	6	0
15/12/2022 01:00	4.1	237	18	6.4	0
15/12/2022 01:10	3.5	237	18	5.5	0
15/12/2022 01:20	3.6	241	18	5.6	0
15/12/2022 01:30	3.3	237	19	5.7	0
15/12/2022 01:40	3.6	237	18	5.2	0
15/12/2022 01:50	3.5	246	17	4.9	0
15/12/2022 02:00	3.4	248	18	5.3	0
15/12/2022 02:10	3.8	254	15	5.6	0
15/12/2022 02:20	4	256	14	6.4	0
15/12/2022 02:30	3.6	246	16	5.6	0
15/12/2022 02:40	3.6	245	20	6	0
15/12/2022 02:50	3.6	248	19	5.7	0
15/12/2022 03:00	3.4	249	17	5.2	0
15/12/2022 03:10	3.7	257	16	5.5	0
15/12/2022 03:20	3.6	254	15	5.3	0
15/12/2022 03:30	3.4	251	15	5.1	0
15/12/2022 03:40	3.5	254	16	5.6	0
15/12/2022 03:50	3.5	252	14	5.4	0
15/12/2022 04:00	3.9	250	16	5.7	0
15/12/2022 04:10	3.5	254	17	5.2	0
15/12/2022 04:20	3.9	248	16	5.5	0
15/12/2022 04:30	3.6	242	15	5.4	0
15/12/2022 04:40	3.5	247	15	5.5	0
15/12/2022 04:50	3.8	238	14	5.5	0
15/12/2022 05:00	3.5	240	19	5.5	0
15/12/2022 05:10	3.4	244	18	5.3	0
15/12/2022 05:20	3.5	241	13	4.9	0
15/12/2022 05:30	3.7	239	14	5.2	0
15/12/2022 05:40	3.4	241	17	4.7	0
15/12/2022 05:50	3.5	246	20	5.9	0
15/12/2022 06:00	3.8	244	16	5.1	0
15/12/2022 06:10	3.8	251	16	5.5	0
15/12/2022 06:20	3.9	248	17	5.2	0
15/12/2022 06:30	3.8	248	16	5.6	0
15/12/2022 06:40	3.6	244	17	5	0
15/12/2022 06:50	4.2	245	16	5.6	0
15/12/2022 07:00	4.2	249	16	5.6	0
15/12/2022 07:10	3.8	241	15	5.1	0
15/12/2022 07:20	3.7	243	18	5	0
15/12/2022 07:30	3.8	248	15	5.3	0
15/12/2022 07:40	3.4	253	16	4.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/12/2022 07:50	3.3	256	18	5	0
15/12/2022 08:00	3.3	252	17	4.6	0
15/12/2022 08:10	3.4	254	15	4.9	0
15/12/2022 08:20	3.2	252	17	4.6	0
15/12/2022 08:30	3.1	255	21	4.8	0
15/12/2022 08:40	3.3	251	20	5.1	0
15/12/2022 08:50	4.1	248	16	6	0
15/12/2022 09:00	4.3	247	17	6	0
15/12/2022 09:10	4	248	18	6.1	0
15/12/2022 09:20	4.4	251	15	6.1	0
15/12/2022 09:30	4.3	250	15	6.2	0
15/12/2022 09:40	4.7	248	17	6.4	0
15/12/2022 09:50	4.7	244	15	6.2	0
15/12/2022 10:00	4.6	247	16	6.1	0
15/12/2022 10:10	4.3	254	16	6.5	0
15/12/2022 10:20	4.2	251	15	5.7	0
15/12/2022 10:30	4.5	251	14	6.6	0
15/12/2022 10:40	4.6	250	17	6.5	0
15/12/2022 10:50	4.8	245	15	6.6	0
15/12/2022 11:00	5	243	14	6.2	0
15/12/2022 11:10	5	244	17	6.4	0
15/12/2022 11:20	4.9	241	16	7	0
15/12/2022 11:30	4.8	246	19	6.4	0
15/12/2022 11:40	4.8	244	18	6.7	0
15/12/2022 11:50	4.7	246	17	6.4	0
15/12/2022 12:00	5.1	248	15	6.8	0
15/12/2022 12:10	4.8	246	19	6.5	0
15/12/2022 12:20	4.6	251	19	6.8	0
15/12/2022 12:30	4.4	250	19	6.4	0
15/12/2022 12:40	4.5	244	15	6.2	0
15/12/2022 12:50	4.3	251	16	6.4	0
15/12/2022 13:00	5	245	14	7	0
15/12/2022 13:10	4.5	251	20	6.7	0
15/12/2022 13:20	4.6	253	19	7	0
15/12/2022 13:30	4.7	252	19	8	0
15/12/2022 13:40	4.7	245	18	6.9	0
15/12/2022 13:50	4.9	246	19	7.2	0
15/12/2022 14:00	5.8	241	16	8	0
15/12/2022 14:10	5.1	247	19	7.3	0
15/12/2022 14:20	5.4	248	16	7.7	0
15/12/2022 14:30	5.4	244	18	7.8	0
15/12/2022 14:40	5.7	242	15	8.2	0
15/12/2022 14:50	6	245	16	8.6	0
15/12/2022 15:00	5.5	254	18	8.1	0
15/12/2022 15:10	5.6	250	16	7.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/12/2022 15:20	5.3	257	17	8.2	0
15/12/2022 15:30	5.3	251	16	7.8	0
15/12/2022 15:40	5	246	16	7.3	0
15/12/2022 15:50	5.1	251	16	7.4	0
15/12/2022 16:00	5.5	246	16	7.3	0
15/12/2022 16:10	5.4	248	17	8.2	0
15/12/2022 16:20	5.1	251	18	7.9	0
15/12/2022 16:30	5.3	253	18	7.6	0
15/12/2022 16:40	5.6	251	16	7.8	0
15/12/2022 16:50	5.2	249	16	7.9	0
15/12/2022 17:00	4.9	254	18	8.5	0
15/12/2022 17:10	5	249	17	7	0
15/12/2022 17:20	5	253	17	7.2	0
15/12/2022 17:30	5.2	253	16	7.5	0
15/12/2022 17:40	5	255	19	7.8	0
15/12/2022 17:50	5	251	16	7.5	0
15/12/2022 18:00	4.7	255	20	6.7	0
15/12/2022 18:10	5.1	254	16	7.8	0
15/12/2022 18:20	5.2	258	19	7.5	0
15/12/2022 18:30	4.6	255	19	7	0
15/12/2022 18:40	4.6	254	19	7.5	0
15/12/2022 18:50	5.5	251	16	8.3	0
15/12/2022 19:00	5.3	254	15	8.3	0
15/12/2022 19:10	5.4	248	14	7.4	0
15/12/2022 19:20	5.9	253	15	8.8	0
15/12/2022 19:30	5.2	248	16	7.2	0
15/12/2022 19:40	4.8	251	17	7	0
15/12/2022 19:50	5.4	248	18	8	0
15/12/2022 20:00	5.4	251	19	7.8	0
15/12/2022 20:10	5.4	249	18	7.5	0
15/12/2022 20:20	5.4	252	16	8.1	0
15/12/2022 20:30	4.8	254	16	7.5	0
15/12/2022 20:40	5.1	255	17	7.2	0
15/12/2022 20:50	4.7	250	19	7.4	0
15/12/2022 21:00	4.9	251	16	7.4	0
15/12/2022 21:10	4.9	249	16	8.4	0
15/12/2022 21:20	4.2	250	17	6.3	0
15/12/2022 21:30	4.2	248	20	7.1	0
15/12/2022 21:40	3.8	240	19	6	0
15/12/2022 21:50	3.9	243	18	6.1	0
15/12/2022 22:00	4	244	20	6	0
15/12/2022 22:10	4.1	244	15	6.4	0
15/12/2022 22:20	4.2	246	19	6.8	0
15/12/2022 22:30	4.5	254	17	6.9	0
15/12/2022 22:40	4.8	248	15	7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/12/2022 22:50	4.8	256	16	7.2	0
15/12/2022 23:00	4.6	249	16	7.1	0
15/12/2022 23:10	5.2	246	16	7.6	0
15/12/2022 23:20	4.5	246	18	6.6	0
15/12/2022 23:30	4.4	247	19	7.1	0
15/12/2022 23:40	3.9	249	20	5.9	0
15/12/2022 23:50	4	249	20	6.3	0
16/12/2022 00:00	4	245	20	5.6	0
16/12/2022 00:10	4.5	246	17	6.8	0
16/12/2022 00:20	4.3	252	17	6.8	0
16/12/2022 00:30	4.6	255	16	6.9	0
16/12/2022 00:40	4.5	254	15	6.4	0
16/12/2022 00:50	4.4	251	18	6.7	0
16/12/2022 01:00	4.5	252	16	6.8	0
16/12/2022 01:10	4.6	256	14	6.9	0
16/12/2022 01:20	4.4	257	15	6	0
16/12/2022 01:30	4.5	256	16	6.8	0
16/12/2022 01:40	4	254	18	5.6	0
16/12/2022 01:50	4.3	253	15	6.5	0
16/12/2022 02:00	4	254	17	6.3	0
16/12/2022 02:10	4.1	250	17	5.7	0
16/12/2022 02:20	4.3	255	18	6.4	0
16/12/2022 02:30	4.3	254	15	6.4	0
16/12/2022 02:40	3.8	255	17	6	0
16/12/2022 02:50	4.3	248	18	6.4	0
16/12/2022 03:00	4.1	242	16	5.6	0
16/12/2022 03:10	4	239	17	6	0
16/12/2022 03:20	3.9	246	20	5.9	0
16/12/2022 03:30	4.1	241	16	6	0
16/12/2022 03:40	4.4	244	16	6.4	0
16/12/2022 03:50	4.5	246	17	6.8	0
16/12/2022 04:00	4.3	250	16	6.4	0
16/12/2022 04:10	4.1	246	16	6	0
16/12/2022 04:20	4.1	247	13	6	0
16/12/2022 04:30	4.6	252	14	6.5	0
16/12/2022 04:40	4.1	249	17	5.8	0
16/12/2022 04:50	4.4	254	14	5.8	0
16/12/2022 05:00	4.5	256	16	6.7	0
16/12/2022 05:10	4.7	254	17	7.2	0
16/12/2022 05:20	4.3	257	15	6	0
16/12/2022 05:30	4.2	258	18	6.4	0
16/12/2022 05:40	4.1	256	16	6.1	0
16/12/2022 05:50	4.3	259	17	6	0
16/12/2022 06:00	4.4	253	15	6.4	0
16/12/2022 06:10	4.6	254	14	6.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/12/2022 06:20	4.9	254	18	7	0
16/12/2022 06:30	4.6	248	18	6.4	0
16/12/2022 06:40	4.6	255	15	6.6	0
16/12/2022 06:50	4.5	248	19	6.5	0
16/12/2022 07:00	4.9	246	17	6.6	0
16/12/2022 07:10	4.5	251	16	6	0
16/12/2022 07:20	4.2	252	19	5.8	0
16/12/2022 07:30	4.6	251	14	6.1	0
16/12/2022 07:40	4	254	18	5.5	0
16/12/2022 07:50	4.3	254	15	5.9	0
16/12/2022 08:00	4.2	251	17	5.9	0
16/12/2022 08:10	4	249	17	5.9	0
16/12/2022 08:20	3.7	253	16	5	0
16/12/2022 08:30	3.8	251	16	5.7	0
16/12/2022 08:40	3.6	259	18	5.8	0
16/12/2022 08:50	3.9	258	19	5.5	0
16/12/2022 09:00	4.2	256	16	6.4	0
16/12/2022 09:10	4.2	258	18	6.4	0
16/12/2022 09:20	4.1	254	17	6.5	0
16/12/2022 09:30	4.6	259	18	6.5	0
16/12/2022 09:40	4.9	254	17	6.7	0
16/12/2022 09:50	4.7	255	15	6.9	0
16/12/2022 10:00	5	252	18	7.2	0
16/12/2022 10:10	5.1	250	15	7.4	0
16/12/2022 10:20	5.1	252	16	7.4	0
16/12/2022 10:30	4.6	248	17	6.4	0
16/12/2022 10:40	4.7	246	15	7.1	0
16/12/2022 10:50	4.9	251	17	6.9	0
16/12/2022 11:00	4.8	252	18	7.2	0
16/12/2022 11:10	4.7	250	15	6.9	0
16/12/2022 11:20	5.1	248	18	7.2	0
16/12/2022 11:30	4.7	256	18	6.8	0
16/12/2022 11:40	4.9	245	16	7.5	0
16/12/2022 11:50	4.8	250	14	6.6	0
16/12/2022 12:00	4.7	250	17	6.8	0
16/12/2022 12:10	5.1	240	16	7.5	0
16/12/2022 12:20	5.3	241	16	7.6	0
16/12/2022 12:30	5.4	239	15	7.2	0
16/12/2022 12:40	5.2	238	17	7	0
16/12/2022 12:50	5.2	243	16	7.7	0
16/12/2022 13:00	5.1	244	18	7.4	0
16/12/2022 13:10	5.1	250	21	8.5	0
16/12/2022 13:20	3.5	262	33	6.8	0
16/12/2022 13:30	3.2	260	30	5.2	0
16/12/2022 13:40	4.4	253	20	6.3	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/12/2022 13:50	5	250	17	6.8	0
16/12/2022 14:00	5.5	247	17	7.9	0
16/12/2022 14:10	6	244	16	8.3	0
16/12/2022 14:20	5.6	247	16	7.7	0
16/12/2022 14:30	5.3	254	20	7.5	0
16/12/2022 14:40	5	254	17	8.2	0
16/12/2022 14:50	5.2	254	16	8.1	0
16/12/2022 15:00	4.9	257	20	8.3	0
16/12/2022 15:10	4.2	272	27	6.7	0
16/12/2022 15:20	4.3	267	34	7.1	0
16/12/2022 15:30	3.9	273	34	7.5	0
16/12/2022 15:40	4.6	259	22	7.6	0
16/12/2022 15:50	5.7	249	20	7.9	0
16/12/2022 16:00	6.1	241	18	8.7	0
16/12/2022 16:10	6.5	248	16	9.3	0
16/12/2022 16:20	6	248	15	9.4	0
16/12/2022 16:30	5.7	246	17	7.8	0
16/12/2022 16:40	6.5	243	15	8.8	0
16/12/2022 16:50	6.2	251	15	9	0
16/12/2022 17:00	6.1	250	16	8.5	0
16/12/2022 17:10	6.7	254	15	9.2	0
16/12/2022 17:20	6.2	256	15	9.5	0
16/12/2022 17:30	5.9	253	17	7.9	0
16/12/2022 17:40	6.1	246	16	8.3	0
16/12/2022 17:50	5.6	255	18	7.9	0
16/12/2022 18:00	5.3	251	16	7.5	0
16/12/2022 18:10	4.9	257	19	8.5	0
16/12/2022 18:20	5.6	258	17	8	0
16/12/2022 18:30	5.3	259	18	7.9	0
16/12/2022 18:40	5.6	258	20	8.2	0
16/12/2022 18:50	5.6	259	18	7.4	0
16/12/2022 19:00	5.9	251	17	8.6	0
16/12/2022 19:10	5.2	253	18	7.9	0
16/12/2022 19:20	5.3	257	17	7.9	0
16/12/2022 19:30	5.8	254	18	8.6	0
16/12/2022 19:40	5.6	259	15	7.9	0
16/12/2022 19:50	5.6	258	14	7.9	0
16/12/2022 20:00	5	259	17	7	0
16/12/2022 20:10	5.1	261	16	7.4	0
16/12/2022 20:20	5.4	260	16	8.1	0
16/12/2022 20:30	4.8	262	19	7	0
16/12/2022 20:40	5.2	261	18	7.7	0
16/12/2022 20:50	5.8	261	17	9	0
16/12/2022 21:00	5.5	257	19	8.4	0
16/12/2022 21:10	5.3	260	18	7.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/12/2022 21:20	5.2	260	19	8	0
16/12/2022 21:30	5.6	257	17	9	0
16/12/2022 21:40	5.6	256	20	9.1	0
16/12/2022 21:50	5.9	260	17	8.7	0
16/12/2022 22:00	5.8	256	17	8.1	0
16/12/2022 22:10	5.6	259	16	8.6	0
16/12/2022 22:20	5.4	263	21	7.8	0
16/12/2022 22:30	5	260	15	7.6	0
16/12/2022 22:40	5.4	260	17	8.7	0
16/12/2022 22:50	5.4	259	17	7.9	0
16/12/2022 23:00	5.3	263	18	8.3	0
16/12/2022 23:10	5.3	260	17	7.9	0
16/12/2022 23:20	5.4	257	16	8.3	0
16/12/2022 23:30	5.4	257	17	8.5	0
16/12/2022 23:40	5.2	260	17	8.1	0
16/12/2022 23:50	5.1	254	17	7.5	0
17/12/2022 00:00	5	254	18	7.6	0
17/12/2022 00:10	5.4	260	17	7.6	0
17/12/2022 00:20	6.1	259	15	8.5	0
17/12/2022 00:30	5.1	260	22	8.6	0
17/12/2022 00:40	5.1	261	19	9.2	0
17/12/2022 00:50	5.5	255	18	8.5	0
17/12/2022 01:00	5.6	259	19	8.2	0
17/12/2022 01:10	5.8	250	16	8.4	0
17/12/2022 01:20	5.9	257	17	8.4	0
17/12/2022 01:30	5.8	258	16	9	0
17/12/2022 01:40	5.4	257	15	8.6	0
17/12/2022 01:50	5.4	256	17	8.1	0
17/12/2022 02:00	6	258	14	8.7	0
17/12/2022 02:10	5.9	255	17	9.5	0
17/12/2022 02:20	6.7	254	14	9.5	0
17/12/2022 02:30	5.6	257	16	9.1	0
17/12/2022 02:40	5.6	259	17	8.6	0
17/12/2022 02:50	6.1	251	16	10.2	0
17/12/2022 03:00	5.8	256	16	9.5	0
17/12/2022 03:10	5.8	254	16	10.2	0
17/12/2022 03:20	5.8	256	16	8.7	0
17/12/2022 03:30	6.1	254	15	9.3	0
17/12/2022 03:40	6.2	256	16	9.2	0
17/12/2022 03:50	5.7	254	15	8.7	0
17/12/2022 04:00	6.5	257	16	9.1	0
17/12/2022 04:10	6.1	256	18	9.3	0
17/12/2022 04:20	5.5	253	18	8.1	0
17/12/2022 04:30	5.5	250	17	8.3	0
17/12/2022 04:40	5	248	17	7.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/12/2022 04:50	5	248	20	8.3	0
17/12/2022 05:00	5.2	252	18	7.9	0
17/12/2022 05:10	4.8	238	18	7.5	0
17/12/2022 05:20	4.2	248	19	6.8	0
17/12/2022 05:30	4.2	247	19	7	0
17/12/2022 05:40	4.9	250	16	7.6	0
17/12/2022 05:50	4.2	250	18	7.1	0
17/12/2022 06:00	5	254	15	7.3	0
17/12/2022 06:10	4.4	249	20	6.6	0
17/12/2022 06:20	4.1	245	18	6.4	0
17/12/2022 06:30	4.5	242	15	7	0
17/12/2022 06:40	5	240	16	7.4	0
17/12/2022 06:50	4.7	237	16	6.6	0
17/12/2022 07:00	4.8	237	17	7	0
17/12/2022 07:10	5	241	15	6.8	0
17/12/2022 07:20	4.7	233	17	6.8	0
17/12/2022 07:30	5.2	236	18	7.3	0
17/12/2022 07:40	4.7	239	13	6.8	0
17/12/2022 07:50	4.9	234	19	7.4	0
17/12/2022 08:00	5.3	241	16	8	0
17/12/2022 08:10	4.8	237	16	7.2	0
17/12/2022 08:20	5.3	228	17	7.6	0
17/12/2022 08:30	4.8	232	19	6.8	0
17/12/2022 08:40	4.8	238	17	7.1	0
17/12/2022 08:50	5	213	16	7.4	0
17/12/2022 09:00	4.4	223	17	6.8	0
17/12/2022 09:10	4.5	230	17	6.3	0
17/12/2022 09:20	4	224	24	6.1	0
17/12/2022 09:30	3.7	232	21	5.6	0
17/12/2022 09:40	2.8	200	30	4.9	0
17/12/2022 09:50	2.5	227	29	4.5	0
17/12/2022 10:00	2	111	58	4.1	0
17/12/2022 10:10	1.8	181	44	3.6	0
17/12/2022 10:20	1.5	136	42	3.1	0
17/12/2022 10:30	1.7	173	43	2.7	0
17/12/2022 10:40	2	196	58	3.2	0
17/12/2022 10:50	1.5	107	41	2.5	0
17/12/2022 11:00	1.5	96	68	2.7	0
17/12/2022 11:10	1.5	235	63	3.1	0
17/12/2022 11:20	1.5	96	50	2.4	0
17/12/2022 11:30	2.5	308	43	4.2	0
17/12/2022 11:40	2.3	272	49	3.9	0
17/12/2022 11:50	2.4	280	42	4.9	0
17/12/2022 12:00	2.2	284	55	4	0
17/12/2022 12:10	2.1	312	47	3.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/12/2022 12:20	2.5	318	38	4.2	0
17/12/2022 12:30	2.4	325	36	4.2	0
17/12/2022 12:40	2.5	306	38	3.6	0
17/12/2022 12:50	2.7	314	34	4.4	0
17/12/2022 13:00	2.8	319	28	4.2	0
17/12/2022 13:10	2.9	314	36	4.6	0
17/12/2022 13:20	3.2	321	28	5.4	0
17/12/2022 13:30	3	299	40	4.8	0
17/12/2022 13:40	3.2	297	39	5.4	0
17/12/2022 13:50	3.1	298	39	5.7	0
17/12/2022 14:00	3.4	273	38	5.2	0
17/12/2022 14:10	3.2	301	45	5.6	0
17/12/2022 14:20	3.2	304	38	5.7	0
17/12/2022 14:30	3.2	303	38	5.1	0
17/12/2022 14:40	3.5	274	41	6	0
17/12/2022 14:50	3.3	285	42	6.4	0
17/12/2022 15:00	3.4	277	36	6.6	0
17/12/2022 15:10	3.3	275	38	5.7	0
17/12/2022 15:20	3.4	274	40	6.1	0
17/12/2022 15:30	3.4	280	40	6	0
17/12/2022 15:40	3.5	285	38	6	0
17/12/2022 15:50	3.7	288	40	6.8	0
17/12/2022 16:00	3.1	281	41	5.3	0
17/12/2022 16:10	3.3	281	44	6.2	0
17/12/2022 16:20	3.6	267	31	6.7	0
17/12/2022 16:30	4	257	24	6.4	0
17/12/2022 16:40	5.2	252	19	7.2	0
17/12/2022 16:50	4.2	263	27	6.3	0
17/12/2022 17:00	3.7	260	26	5.5	0
17/12/2022 17:10	3.8	263	26	5.7	0
17/12/2022 17:20	3.8	265	24	6.2	0
17/12/2022 17:30	3.6	271	27	5.9	0
17/12/2022 17:40	3.9	263	20	6	0
17/12/2022 17:50	3.9	259	22	7	0
17/12/2022 18:00	4.4	255	17	6.9	0
17/12/2022 18:10	4.7	255	18	7.8	0
17/12/2022 18:20	5.2	256	17	7.8	0
17/12/2022 18:30	4.9	256	17	7.5	0
17/12/2022 18:40	4.7	256	17	6.1	0
17/12/2022 18:50	5	252	19	7.5	0
17/12/2022 19:00	5.2	250	16	7.3	0
17/12/2022 19:10	4.9	251	16	7.3	0
17/12/2022 19:20	4.4	255	18	7	0
17/12/2022 19:30	4.5	256	15	6.4	0
17/12/2022 19:40	4.7	258	17	6.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/12/2022 19:50	4.4	256	17	6.7	0
17/12/2022 20:00	4.8	254	16	7.5	0
17/12/2022 20:10	5.2	259	17	7.2	0
17/12/2022 20:20	5.1	257	15	7.5	0
17/12/2022 20:30	4.7	258	16	6.8	0
17/12/2022 20:40	4.6	256	16	7	0
17/12/2022 20:50	4.8	259	18	7.4	0
17/12/2022 21:00	4.3	261	17	6.8	0
17/12/2022 21:10	4	258	19	6.3	0
17/12/2022 21:20	4.6	259	17	7	0
17/12/2022 21:30	4.9	259	15	7.6	0
17/12/2022 21:40	4.6	255	14	7.1	0
17/12/2022 21:50	4.8	258	16	7.5	0
17/12/2022 22:00	5.1	255	15	7.9	0
17/12/2022 22:10	5.1	257	18	7.3	0
17/12/2022 22:20	5.1	253	17	7.5	0
17/12/2022 22:30	4.8	255	16	6.9	0
17/12/2022 22:40	4.8	255	17	7.2	0
17/12/2022 22:50	4.8	252	14	6.9	0
17/12/2022 23:00	4.6	255	14	7	0
17/12/2022 23:10	4.7	256	14	7	0
17/12/2022 23:20	4.5	256	18	7	0
17/12/2022 23:30	4.2	258	17	6	0
17/12/2022 23:40	4.4	255	16	6.4	0
17/12/2022 23:50	4.5	254	17	6.4	0
18/12/2022 00:00	4.4	256	17	6.8	0
18/12/2022 00:10	4.3	258	16	6.6	0
18/12/2022 00:20	4.4	254	17	7	0
18/12/2022 00:30	3.7	257	19	5.6	0
18/12/2022 00:40	4	252	16	5.6	0
18/12/2022 00:50	3.9	256	18	6.4	0
18/12/2022 01:00	3.3	262	21	4.8	0
18/12/2022 01:10	3.7	254	17	5.6	0
18/12/2022 01:20	3.6	258	17	6.2	0
18/12/2022 01:30	3.8	252	16	6	0
18/12/2022 01:40	3.2	265	18	5.1	0
18/12/2022 01:50	3.5	261	16	5.3	0
18/12/2022 02:00	3.7	257	16	6.3	0
18/12/2022 02:10	3.6	257	19	5.4	0
18/12/2022 02:20	3.5	261	15	5.6	0
18/12/2022 02:30	3.5	261	15	5.2	0
18/12/2022 02:40	3.4	264	16	5	0
18/12/2022 02:50	3.7	261	18	5.7	0
18/12/2022 03:00	3.2	261	19	4.9	0
18/12/2022 03:10	3.6	262	17	5.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/12/2022 03:20	3.9	259	16	6.1	0
18/12/2022 03:30	3.6	260	17	5.2	0
18/12/2022 03:40	3.8	259	14	5.4	0
18/12/2022 03:50	3.2	258	18	4.8	0
18/12/2022 04:00	3.3	258	18	4.9	0
18/12/2022 04:10	3.4	261	18	5.6	0
18/12/2022 04:20	2.9	260	19	4.8	0
18/12/2022 04:30	3.5	259	17	5.2	0
18/12/2022 04:40	3.4	260	16	5.2	0
18/12/2022 04:50	3.4	259	17	5.1	0
18/12/2022 05:00	3.8	259	16	5.2	0
18/12/2022 05:10	3.2	260	18	4.6	0
18/12/2022 05:20	3.3	260	18	5	0
18/12/2022 05:30	3.5	260	18	5.2	0
18/12/2022 05:40	3.3	261	19	4.8	0
18/12/2022 05:50	3	257	20	5.1	0
18/12/2022 06:00	3.6	259	18	5.6	0
18/12/2022 06:10	3.5	257	17	5.1	0
18/12/2022 06:20	3.6	255	15	5.4	0
18/12/2022 06:30	3.2	259	19	4.9	0
18/12/2022 06:40	3.8	257	18	6	0
18/12/2022 06:50	3	256	23	4.8	0
18/12/2022 07:00	2.9	254	20	4.6	0
18/12/2022 07:10	3.3	263	18	4.7	0
18/12/2022 07:20	3.9	250	14	5.6	0
18/12/2022 07:30	3.8	242	18	5.6	0
18/12/2022 07:40	3.5	244	18	5.3	0
18/12/2022 07:50	3.7	242	17	5.4	0
18/12/2022 08:00	3.7	249	17	5.1	0
18/12/2022 08:10	3.6	255	21	5.4	0
18/12/2022 08:20	3.6	245	20	5.9	0
18/12/2022 08:30	3.7	245	20	5.4	0
18/12/2022 08:40	3.6	241	21	5.6	0
18/12/2022 08:50	3.5	243	22	5.5	0
18/12/2022 09:00	3.5	252	20	5.7	0
18/12/2022 09:10	3.6	246	24	4.8	0
18/12/2022 09:20	3.2	236	20	5	0
18/12/2022 09:30	3.3	239	19	4.9	0
18/12/2022 09:40	3.4	246	20	5	0
18/12/2022 09:50	3.4	263	29	5.4	0
18/12/2022 10:00	2.6	265	38	5.3	0
18/12/2022 10:10	2.7	265	33	5	0
18/12/2022 10:20	2.7	288	42	4.5	0
18/12/2022 10:30	2.1	316	38	4.2	0
18/12/2022 10:40	2.4	289	49	4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/12/2022 10:50	2.9	293	42	4.9	0
18/12/2022 11:00	3.1	300	41	5	0
18/12/2022 11:10	2.9	313	43	5.8	0
18/12/2022 11:20	2.9	328	39	4.5	0
18/12/2022 11:30	3.1	306	35	5.4	0
18/12/2022 11:40	3.1	324	28	4.9	0
18/12/2022 11:50	3.2	311	39	5.6	0
18/12/2022 12:00	3.2	311	31	5.3	0
18/12/2022 12:10	3.3	328	36	5.2	0
18/12/2022 12:20	3.3	310	32	5.6	0
18/12/2022 12:30	3.3	306	40	6	0
18/12/2022 12:40	3	313	38	5.3	0
18/12/2022 12:50	2.8	299	47	4.8	0
18/12/2022 13:00	3.4	293	34	5.4	0
18/12/2022 13:10	3.2	318	34	6	0
18/12/2022 13:20	3.8	322	29	6.7	0
18/12/2022 13:30	3.7	323	30	6.4	0
18/12/2022 13:40	3.8	311	32	6.1	0
18/12/2022 13:50	3.5	318	29	6.2	0
18/12/2022 14:00	3.4	321	33	5.8	0
18/12/2022 14:10	3.5	316	30	5.6	0
18/12/2022 14:20	3.1	309	35	5.6	0
18/12/2022 14:30	2.9	304	41	4.7	0
18/12/2022 14:40	3.5	323	31	5.9	0
18/12/2022 14:50	3.3	316	38	5.5	0
18/12/2022 15:00	3.5	311	35	5.6	0
18/12/2022 15:10	3.5	284	39	5.4	0
18/12/2022 15:20	3.2	308	43	5.7	0
18/12/2022 15:30	3	280	46	5.8	0
18/12/2022 15:40	3.2	289	45	5.6	0
18/12/2022 15:50	3.2	314	35	6	0
18/12/2022 16:00	3.1	297	38	6.4	0
18/12/2022 16:10	2.9	287	49	5.7	0
18/12/2022 16:20	3	299	40	5.7	0
18/12/2022 16:30	3.4	311	37	6	0
18/12/2022 16:40	3.1	297	45	6	0
18/12/2022 16:50	3.2	284	45	4.9	0
18/12/2022 17:00	3.5	271	38	5.9	0
18/12/2022 17:10	2.7	295	39	4.8	0
18/12/2022 17:20	3.2	259	33	5.1	0
18/12/2022 17:30	3.1	255	28	5	0
18/12/2022 17:40	2.7	272	34	4.9	0
18/12/2022 17:50	3.2	247	20	4.6	0
18/12/2022 18:00	3.2	245	23	4.8	0
18/12/2022 18:10	3.4	242	19	5.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/12/2022 18:20	3.2	249	17	5	0
18/12/2022 18:30	3.2	236	17	4.6	0
18/12/2022 18:40	3	250	20	4.4	0
18/12/2022 18:50	3.5	250	16	5	0
18/12/2022 19:00	3.2	250	18	4.4	0
18/12/2022 19:10	3.1	241	20	4.6	0
18/12/2022 19:20	3	255	16	4.1	0
18/12/2022 19:30	3	251	16	4.4	0
18/12/2022 19:40	3.2	247	16	4.7	0
18/12/2022 19:50	3.3	246	15	4.5	0
18/12/2022 20:00	3.2	247	15	4.4	0
18/12/2022 20:10	3.2	253	13	4.7	0
18/12/2022 20:20	2.5	248	14	3.9	0
18/12/2022 20:30	2.4	243	16	3.5	0
18/12/2022 20:40	2.3	246	17	3.4	0
18/12/2022 20:50	2.4	243	15	3.5	0
18/12/2022 21:00	2.6	252	12	3.5	0
18/12/2022 21:10	2.4	253	14	3.4	0
18/12/2022 21:20	1.9	261	19	2.8	0
18/12/2022 21:30	1.8	260	21	3.1	0
18/12/2022 21:40	1.7	295	39	3.1	0
18/12/2022 21:50	1.8	289	39	3.4	0
18/12/2022 22:00	1.9	306	41	3.4	0
18/12/2022 22:10	1.9	289	41	3.2	0
18/12/2022 22:20	1.8	294	47	3.4	0
18/12/2022 22:30	1.6	272	36	2.4	0
18/12/2022 22:40	1.6	257	26	2.8	0
18/12/2022 22:50	2.1	249	15	2.9	0
18/12/2022 23:00	2.5	253	13	3.3	0
18/12/2022 23:10	2.8	254	15	3.7	0
18/12/2022 23:20	2.7	254	18	4.1	0
18/12/2022 23:30	3	254	16	4.4	0
18/12/2022 23:40	3.2	255	15	4.4	0
18/12/2022 23:50	2.8	251	15	4	0
19/12/2022 00:00	2.9	251	13	4	0
19/12/2022 00:10	2.4	250	17	3.5	0
19/12/2022 00:20	2.5	246	16	3.7	0
19/12/2022 00:30	2.2	248	15	3.1	0
19/12/2022 00:40	2.5	237	15	3.9	0
19/12/2022 00:50	2.4	242	15	3.6	0
19/12/2022 01:00	2.6	243	14	4	0
19/12/2022 01:10	2.7	243	14	4	0
19/12/2022 01:20	2.5	243	16	3.6	0
19/12/2022 01:30	2.3	240	15	3.4	0
19/12/2022 01:40	2.4	240	14	3.5	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/12/2022 01:50	2.1	240	15	3	0
19/12/2022 02:00	2.3	247	16	3.2	0
19/12/2022 02:10	2.4	252	16	3.4	0
19/12/2022 02:20	2.2	254	18	3.3	0
19/12/2022 02:30	2.8	251	15	4.4	0
19/12/2022 02:40	2.9	257	15	4.2	0
19/12/2022 02:50	2.6	250	17	3.6	0
19/12/2022 03:00	2.8	254	15	4	0
19/12/2022 03:10	2.6	245	17	3.8	0
19/12/2022 03:20	2.4	252	15	3.5	0
19/12/2022 03:30	2.5	252	16	4.3	0
19/12/2022 03:40	2.7	252	15	4.1	0
19/12/2022 03:50	3.2	250	14	5	0
19/12/2022 04:00	2.9	261	15	4.4	0
19/12/2022 04:10	3.5	257	16	5	0
19/12/2022 04:20	3.4	261	17	5.3	0
19/12/2022 04:30	3.4	263	18	4.8	0
19/12/2022 04:40	3.3	261	17	5.3	0
19/12/2022 04:50	2.9	262	19	4	0
19/12/2022 05:00	2.7	257	18	4.4	0
19/12/2022 05:10	3.1	259	17	5.2	0
19/12/2022 05:20	3	258	13	4.2	0
19/12/2022 05:30	3.3	257	15	4.2	0
19/12/2022 05:40	2.6	257	17	4.2	0
19/12/2022 05:50	2.4	255	20	4.2	0
19/12/2022 06:00	2.4	250	16	3.6	0
19/12/2022 06:10	2.8	248	16	4.1	0
19/12/2022 06:20	2.6	247	18	4.2	0
19/12/2022 06:30	2.5	244	16	3.7	0
19/12/2022 06:40	2.6	247	19	3.6	0
19/12/2022 06:50	2.9	248	18	4	0
19/12/2022 07:00	2.6	249	17	3.7	0
19/12/2022 07:10	2.9	244	19	4.6	0
19/12/2022 07:20	2.6	259	25	3.8	0
19/12/2022 07:30	2.4	249	21	4	0
19/12/2022 07:40	2.6	247	18	3.9	0
19/12/2022 07:50	2.6	251	21	3.6	0
19/12/2022 08:00	2.8	256	18	3.9	0
19/12/2022 08:10	2.6	259	20	4.1	0
19/12/2022 08:20	2.6	250	27	4.3	0
19/12/2022 08:30	2.5	242	32	3.8	0
19/12/2022 08:40	2.3	255	23	3.8	0
19/12/2022 08:50	1.7	242	27	3.3	0
19/12/2022 09:00	1.9	261	41	3.6	0
19/12/2022 09:10	2.3	217	23	3.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/12/2022 09:20	2.3	235	25	4	0
19/12/2022 09:30	2.3	224	31	3.6	0
19/12/2022 09:40	2.5	264	28	4	0
19/12/2022 09:50	2.1	276	40	3.8	0
19/12/2022 10:00	2.4	289	44	3.6	0
19/12/2022 10:10	2.6	276	39	4.1	0
19/12/2022 10:20	2	310	52	4	0
19/12/2022 10:30	2.4	330	35	4	0
19/12/2022 10:40	2.4	325	34	3.7	0
19/12/2022 10:50	2.6	323	32	4.7	0
19/12/2022 11:00	2.7	327	30	4.5	0
19/12/2022 11:10	2.4	331	40	4.7	0
19/12/2022 11:20	2.9	334	32	5.4	0
19/12/2022 11:30	2.9	338	40	5.7	0
19/12/2022 11:40	3.1	315	35	5.7	0
19/12/2022 11:50	2.7	316	36	4.8	0
19/12/2022 12:00	2.7	306	39	5.2	0
19/12/2022 12:10	2.9	321	42	4.5	0
19/12/2022 12:20	3.2	320	37	5.8	0
19/12/2022 12:30	3.2	320	36	5.6	0
19/12/2022 12:40	3.1	302	42	5.3	0
19/12/2022 12:50	3.5	322	37	5.9	0
19/12/2022 13:00	3.2	298	38	5.4	0
19/12/2022 13:10	3.2	297	41	5.6	0
19/12/2022 13:20	3.1	306	39	5.8	0
19/12/2022 13:30	3	295	44	5.2	0
19/12/2022 13:40	3.8	308	36	6.5	0
19/12/2022 13:50	3.1	312	38	5.7	0
19/12/2022 14:00	3.3	305	49	5.3	0
19/12/2022 14:10	3	302	42	5.8	0
19/12/2022 14:20	3.8	321	33	6	0
19/12/2022 14:30	3.6	314	37	6.3	0
19/12/2022 14:40	3.5	288	46	6.2	0
19/12/2022 14:50	3.3	277	40	6.4	0
19/12/2022 15:00	3.6	291	45	6.6	0
19/12/2022 15:10	3.8	284	43	6.4	0
19/12/2022 15:20	3.3	304	40	6.3	0
19/12/2022 15:30	3.6	293	37	5.5	0
19/12/2022 15:40	3.7	261	37	6.1	0
19/12/2022 15:50	3.6	267	32	7.6	0
19/12/2022 16:00	3.2	289	47	5.8	0
19/12/2022 16:10	3.3	275	37	6	0
19/12/2022 16:20	3.3	298	44	5.9	0
19/12/2022 16:30	2.9	294	48	5.2	0
19/12/2022 16:40	2.5	315	34	5.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/12/2022 16:50	3	299	40	5.6	0
19/12/2022 17:00	3.4	289	43	5.3	0
19/12/2022 17:10	3.3	281	45	5.5	0
19/12/2022 17:20	3.3	289	46	6	0
19/12/2022 17:30	2.7	282	44	4.9	0
19/12/2022 17:40	3.1	284	41	5.2	0
19/12/2022 17:50	3.3	271	32	6.4	0
19/12/2022 18:00	2.8	277	39	5.2	0
19/12/2022 18:10	2.8	266	32	4.5	0
19/12/2022 18:20	2.6	274	35	4.2	0
19/12/2022 18:30	3	262	30	5.2	0
19/12/2022 18:40	2.8	262	27	4.8	0
19/12/2022 18:50	3	264	25	5	0
19/12/2022 19:00	2.5	271	30	4.2	0
19/12/2022 19:10	3.2	258	22	5.1	0
19/12/2022 19:20	2.9	258	26	4.7	0
19/12/2022 19:30	2.6	267	34	4.8	0
19/12/2022 19:40	3	260	29	4.6	0
19/12/2022 19:50	2.4	259	24	3.9	0
19/12/2022 20:00	3.1	258	25	5.2	0
19/12/2022 20:10	2.6	257	25	4.3	0
19/12/2022 20:20	3	254	22	4.6	0
19/12/2022 20:30	2.3	262	30	4.3	0
19/12/2022 20:40	2.9	260	26	4.4	0
19/12/2022 20:50	2.7	262	22	4.8	0
19/12/2022 21:00	2.7	259	25	4	0
19/12/2022 21:10	3	259	19	4.8	0
19/12/2022 21:20	3.1	258	18	4.8	0
19/12/2022 21:30	3.6	253	16	5.5	0
19/12/2022 21:40	3.4	256	15	5.2	0
19/12/2022 21:50	2.7	262	19	4.2	0
19/12/2022 22:00	2.7	258	19	4.1	0
19/12/2022 22:10	3.3	255	20	5.5	0
19/12/2022 22:20	2.9	260	17	4.4	0
19/12/2022 22:30	3.6	248	14	5.7	0
19/12/2022 22:40	4	250	17	6.3	0
19/12/2022 22:50	3.8	245	19	4.9	0
19/12/2022 23:00	3.7	250	15	5.6	0
19/12/2022 23:10	3.5	251	17	5.2	0
19/12/2022 23:20	3.9	251	18	6.5	0
19/12/2022 23:30	3.2	255	19	4.8	0
19/12/2022 23:40	3.2	260	18	4.7	0
19/12/2022 23:50	4	248	18	6.2	0
20/12/2022 00:00	3.2	256	16	4.8	0
20/12/2022 00:10	3.7	251	15	5.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/12/2022 00:20	3.5	249	18	5.1	0
20/12/2022 00:30	3.4	251	18	5.4	0
20/12/2022 00:40	3.4	256	17	4.8	0
20/12/2022 00:50	3.5	254	17	5.1	0
20/12/2022 01:00	3.5	251	19	5.2	0
20/12/2022 01:10	3.2	250	18	5.1	0
20/12/2022 01:20	3.2	256	18	4.5	0
20/12/2022 01:30	3.6	248	18	5.7	0
20/12/2022 01:40	3.4	241	18	6	0
20/12/2022 01:50	3.1	242	19	5	0
20/12/2022 02:00	3.9	235	17	6.3	0
20/12/2022 02:10	3.4	243	18	5.3	0
20/12/2022 02:20	3.1	245	19	4.6	0
20/12/2022 02:30	3.3	250	17	5.1	0
20/12/2022 02:40	3	243	18	4.4	0
20/12/2022 02:50	3	244	18	4.6	0
20/12/2022 03:00	2.8	227	18	4.4	0
20/12/2022 03:10	2.7	225	19	4.4	0
20/12/2022 03:20	2.5	223	18	3.8	0
20/12/2022 03:30	2.9	226	19	4.7	0
20/12/2022 03:40	2.2	228	18	3.6	0
20/12/2022 03:50	2.1	234	22	3.1	0
20/12/2022 04:00	2.2	221	16	3.2	0
20/12/2022 04:10	2.4	219	19	4	0
20/12/2022 04:20	2.3	232	17	4	0
20/12/2022 04:30	2.3	238	15	3.6	0
20/12/2022 04:40	2.3	238	17	3.4	0
20/12/2022 04:50	2.3	236	19	3.6	0
20/12/2022 05:00	2	239	24	2.8	0
20/12/2022 05:10	2.2	235	18	3.3	0
20/12/2022 05:20	2.2	227	19	3.6	0
20/12/2022 05:30	2.4	237	17	3.6	0
20/12/2022 05:40	1.7	242	17	2.6	0
20/12/2022 05:50	2	241	21	3.2	0
20/12/2022 06:00	1.7	223	21	2.6	0
20/12/2022 06:10	1.9	216	15	2.7	0
20/12/2022 06:20	2	194	20	2.9	0
20/12/2022 06:30	2.3	188	17	3.3	0
20/12/2022 06:40	2.6	188	17	3.6	0
20/12/2022 06:50	2.6	188	18	3.8	0
20/12/2022 07:00	2.3	189	21	3.6	0
20/12/2022 07:10	2.6	191	17	3.7	0
20/12/2022 07:20	2	178	23	3.4	0
20/12/2022 07:30	1.7	178	40	3.1	0
20/12/2022 07:40	1.5	221	42	3.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/12/2022 07:50	2.2	205	29	3.8	0
20/12/2022 08:00	2	261	34	3.2	0
20/12/2022 08:10	1.6	240	47	3.2	0
20/12/2022 08:20	2.1	241	32	3.5	0
20/12/2022 08:30	2	259	32	4.2	0
20/12/2022 08:40	2.5	233	25	4	0
20/12/2022 08:50	2.5	259	29	4.2	0
20/12/2022 09:00	2.9	248	21	4.4	0
20/12/2022 09:10	2.9	238	23	4.4	0
20/12/2022 09:20	2.7	257	28	4.5	0
20/12/2022 09:30	2.4	298	32	4.1	0
20/12/2022 09:40	2.2	271	43	4	0
20/12/2022 09:50	2.2	300	46	3.7	0
20/12/2022 10:00	2.4	327	39	4.5	0
20/12/2022 10:10	2.5	329	41	4.8	0
20/12/2022 10:20	2.7	300	46	4.4	0
20/12/2022 10:30	2.6	332	46	4.9	0
20/12/2022 10:40	2.6	275	46	5.1	0
20/12/2022 10:50	2.8	323	40	4.6	0
20/12/2022 11:00	3	296	51	4.6	0
20/12/2022 11:10	3	310	40	5.2	0
20/12/2022 11:20	3.2	316	38	5.4	0
20/12/2022 11:30	3.1	308	40	5.2	0
20/12/2022 11:40	3.3	317	34	5.8	0
20/12/2022 11:50	3	308	47	6	0
20/12/2022 12:00	3.3	299	47	5.5	0
20/12/2022 12:10	3	292	44	5.4	0
20/12/2022 12:20	3.2	312	35	6.1	0
20/12/2022 12:30	3.3	312	39	5.6	0
20/12/2022 12:40	3.2	295	43	6	0
20/12/2022 12:50	3.7	312	34	6.8	0
20/12/2022 13:00	2.8	305	51	4.8	0
20/12/2022 13:10	2.7	298	51	5.3	0
20/12/2022 13:20	3.3	277	43	6	0
20/12/2022 13:30	3.2	307	42	5.2	0
20/12/2022 13:40	3.4	286	41	5.8	0
20/12/2022 13:50	3	337	30	5.2	0
20/12/2022 14:00	3.1	319	41	5.5	0
20/12/2022 14:10	3.5	323	32	5.5	0
20/12/2022 14:20	3	313	40	5.5	0
20/12/2022 14:30	3.1	324	36	4.9	0
20/12/2022 14:40	3.2	320	33	4.8	0
20/12/2022 14:50	3.1	343	33	5.2	0
20/12/2022 15:00	3.2	335	31	5.2	0
20/12/2022 15:10	3.4	338	26	5.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/12/2022 15:20	3.1	340	34	5.5	0
20/12/2022 15:30	3.3	315	30	5.1	0
20/12/2022 15:40	3.2	326	42	5.4	0
20/12/2022 15:50	3.5	342	30	6.4	0
20/12/2022 16:00	3.5	339	33	5.5	0
20/12/2022 16:10	3.2	315	41	5.6	0
20/12/2022 16:20	2.6	320	38	4.7	0
20/12/2022 16:30	3.3	321	35	5.7	0
20/12/2022 16:40	3.1	328	32	5.6	0
20/12/2022 16:50	2.7	299	44	5.4	0
20/12/2022 17:00	2.7	306	43	4.5	0
20/12/2022 17:10	2.6	308	41	4.9	0
20/12/2022 17:20	3.3	322	30	5.9	0
20/12/2022 17:30	3.1	309	36	5.6	0
20/12/2022 17:40	3	312	36	4.8	0
20/12/2022 17:50	2.6	312	46	4.5	0
20/12/2022 18:00	2.5	297	45	4.5	0
20/12/2022 18:10	2.6	312	45	4.9	0
20/12/2022 18:20	2.3	284	45	4.4	0
20/12/2022 18:30	2.1	294	43	3.4	0
20/12/2022 18:40	2.7	298	35	5	0
20/12/2022 18:50	2.5	303	44	4.6	0
20/12/2022 19:00	2	287	41	3.6	0
20/12/2022 19:10	2.3	299	44	4.9	0
20/12/2022 19:20	2.6	299	41	4.8	0
20/12/2022 19:30	2.4	266	42	4.5	0
20/12/2022 19:40	2.5	261	38	4.8	0
20/12/2022 19:50	2.2	288	39	4.2	0
20/12/2022 20:00	2.9	260	29	5.2	0
20/12/2022 20:10	2.9	262	31	4.7	0
20/12/2022 20:20	3.2	256	20	5.4	0
20/12/2022 20:30	2.7	260	25	4.1	0
20/12/2022 20:40	2.9	268	25	4.6	0
20/12/2022 20:50	3.1	259	21	5.1	0
20/12/2022 21:00	2.7	262	22	4.3	0
20/12/2022 21:10	2.6	258	21	4.3	0
20/12/2022 21:20	3.4	259	18	5.7	0
20/12/2022 21:30	3.8	254	18	5.9	0
20/12/2022 21:40	4.2	249	18	6.3	0
20/12/2022 21:50	3.8	252	19	6	0
20/12/2022 22:00	3.5	251	19	5.2	0
20/12/2022 22:10	3.1	254	20	4.7	0
20/12/2022 22:20	3.5	257	17	5.3	0
20/12/2022 22:30	3.5	247	20	6	0
20/12/2022 22:40	3.5	246	18	5.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/12/2022 22:50	3.2	258	21	5.4	0
20/12/2022 23:00	3.8	253	19	5.5	0
20/12/2022 23:10	4	253	17	5.9	0
20/12/2022 23:20	3.8	246	18	5.5	0
20/12/2022 23:30	3.4	259	22	5.5	0
20/12/2022 23:40	3.5	252	16	5	0
20/12/2022 23:50	3.3	258	19	5.5	0
21/12/2022 00:00	3	244	21	4.2	0
21/12/2022 00:10	3.1	251	16	4.8	0
21/12/2022 00:20	3.1	239	19	5.1	0
21/12/2022 00:30	3.8	234	16	5.3	0
21/12/2022 00:40	3.1	250	17	5.3	0
21/12/2022 00:50	3.4	251	16	5	0
21/12/2022 01:00	3.2	252	18	4.8	0
21/12/2022 01:10	3.6	249	18	5.2	0
21/12/2022 01:20	3.5	250	16	5.5	0
21/12/2022 01:30	3.5	243	17	5.1	0
21/12/2022 01:40	3.2	241	21	4.5	0
21/12/2022 01:50	3.3	241	19	5.2	0
21/12/2022 02:00	3.8	245	19	5.6	0
21/12/2022 02:10	3.4	238	15	5.2	0
21/12/2022 02:20	3.4	229	16	5.6	0
21/12/2022 02:30	3.2	226	18	4.8	0
21/12/2022 02:40	3.7	222	14	5.6	0
21/12/2022 02:50	3.1	230	18	5	0
21/12/2022 03:00	2.7	238	20	4	0
21/12/2022 03:10	2.3	242	17	3.3	0
21/12/2022 03:20	2.2	241	19	3.3	0
21/12/2022 03:30	2.4	241	16	3.4	0
21/12/2022 03:40	2.8	234	16	3.9	0
21/12/2022 03:50	2.4	235	14	3.5	0
21/12/2022 04:00	1.7	249	17	2.7	0
21/12/2022 04:10	1.5	254	17	2.8	0
21/12/2022 04:20	1.6	255	16	2.6	0
21/12/2022 04:30	1.2	245	20	2.3	0
21/12/2022 04:40	1	259	17	1.2	0
21/12/2022 04:50	0.8	258	18	1.2	0
21/12/2022 05:00	0.9	253	19	1.5	0
21/12/2022 05:10	1.1	261	15	1.4	0
21/12/2022 05:20	0.8	250	27	1.4	0
21/12/2022 05:30	0.8	261	22	1.4	0
21/12/2022 05:40	1.4	255	17	2.4	0
21/12/2022 05:50	2.3	259	20	3.9	0
21/12/2022 06:00	2.5	256	23	4.1	0
21/12/2022 06:10	2.6	237	18	4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/12/2022 06:20	2.3	221	18	3.3	0
21/12/2022 06:30	2.2	227	19	3.2	0
21/12/2022 06:40	2.5	233	22	3.6	0
21/12/2022 06:50	2.8	229	16	3.9	0
21/12/2022 07:00	2.7	241	18	4.2	0
21/12/2022 07:10	2.8	235	18	4	0
21/12/2022 07:20	2.8	237	22	4	0
21/12/2022 07:30	3.2	241	20	5	0
21/12/2022 07:40	3.3	248	22	4.4	0
21/12/2022 07:50	3.2	241	24	5.2	0
21/12/2022 08:00	3.3	251	17	4.8	0
21/12/2022 08:10	3.3	242	22	4.9	0
21/12/2022 08:20	3.4	243	22	4.9	0
21/12/2022 08:30	3.6	253	19	5.2	0
21/12/2022 08:40	3.4	239	20	5.5	0
21/12/2022 08:50	3.4	236	19	5.5	0
21/12/2022 09:00	3.6	233	24	5.7	0
21/12/2022 09:10	3	240	23	4.6	0
21/12/2022 09:20	3.7	248	21	5.6	0
21/12/2022 09:30	3.7	242	22	6.4	0
21/12/2022 09:40	3.8	246	25	5.9	0
21/12/2022 09:50	3.9	244	19	6.4	0
21/12/2022 10:00	3.8	253	21	6	0
21/12/2022 10:10	4.5	242	19	6.6	0
21/12/2022 10:20	4.1	246	22	6.4	0
21/12/2022 10:30	4.1	242	20	6	0
21/12/2022 10:40	3.8	248	23	5.7	0
21/12/2022 10:50	3.3	258	25	5.6	0
21/12/2022 11:00	2.7	286	37	4.4	0
21/12/2022 11:10	3.2	277	48	6.5	0
21/12/2022 11:20	3.6	282	49	6.7	0
21/12/2022 11:30	3.5	286	34	6.4	0
21/12/2022 11:40	3.7	320	29	5.8	0
21/12/2022 11:50	3.6	303	42	5.9	0
21/12/2022 12:00	4.3	309	38	6.6	0
21/12/2022 12:10	3.8	290	37	7	0
21/12/2022 12:20	3.8	280	35	6	0
21/12/2022 12:30	3.5	300	39	5.6	0
21/12/2022 12:40	3.6	297	42	7	0
21/12/2022 12:50	3.7	292	43	7	0
21/12/2022 13:00	4.3	291	34	6.4	0
21/12/2022 13:10	4.1	313	36	7	0
21/12/2022 13:20	3.6	308	32	6	0
21/12/2022 13:30	3.6	304	39	6	0
21/12/2022 13:40	3.8	276	36	6.1	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/12/2022 13:50	3.7	298	41	7.1	0
21/12/2022 14:00	3.8	282	35	6.3	0
21/12/2022 14:10	4	264	30	6.9	0
21/12/2022 14:20	3.7	287	35	5.9	0
21/12/2022 14:30	3.9	264	31	6.6	0
21/12/2022 14:40	3.3	272	43	5.7	0
21/12/2022 14:50	3.4	269	40	6	0
21/12/2022 15:00	4	263	30	6	0
21/12/2022 15:10	3.4	296	36	7.5	0
21/12/2022 15:20	3.6	285	40	6.2	0
21/12/2022 15:30	3.6	273	39	6.8	0
21/12/2022 15:40	3.6	282	37	6.4	0
21/12/2022 15:50	4.1	277	35	7.5	0
21/12/2022 16:00	3.6	276	37	5.7	0
21/12/2022 16:10	3.2	281	37	5.4	0
21/12/2022 16:20	3.9	273	37	6.3	0
21/12/2022 16:30	4.5	255	24	7.4	0
21/12/2022 16:40	3.8	266	28	6.2	0
21/12/2022 16:50	3.7	272	32	6.9	0
21/12/2022 17:00	3.8	264	30	6.8	0
21/12/2022 17:10	4.2	264	25	7.2	0
21/12/2022 17:20	3.5	272	35	5.7	0
21/12/2022 17:30	3.6	268	30	6.2	0
21/12/2022 17:40	3.3	281	41	5.9	0
21/12/2022 17:50	2.9	277	36	5.2	0
21/12/2022 18:00	3.2	267	31	5.7	0
21/12/2022 18:10	3.7	259	21	6	0
21/12/2022 18:20	3.5	259	27	5.7	0
21/12/2022 18:30	3.4	261	27	5.6	0
21/12/2022 18:40	3.2	263	33	6.5	0
21/12/2022 18:50	3.1	268	31	4.8	0
21/12/2022 19:00	3	262	23	5	0
21/12/2022 19:10	2.8	275	30	4.8	0
21/12/2022 19:20	3	267	25	5.2	0
21/12/2022 19:30	3	261	23	4.7	0
21/12/2022 19:40	2.9	265	27	5	0
21/12/2022 19:50	3.2	257	19	5.2	0
21/12/2022 20:00	3.6	261	22	5.8	0
21/12/2022 20:10	4.1	247	17	6	0
21/12/2022 20:20	3.9	247	17	6.3	0
21/12/2022 20:30	3.6	255	18	5.4	0
21/12/2022 20:40	3.8	250	15	5.2	0
21/12/2022 20:50	4.3	249	20	6.4	0
21/12/2022 21:00	3.7	255	19	5.8	0
21/12/2022 21:10	3.6	256	16	5.7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/12/2022 21:20	4.4	250	17	6.8	0
21/12/2022 21:30	3.8	251	20	6.2	0
21/12/2022 21:40	4.3	258	19	6.5	0
21/12/2022 21:50	4.5	255	16	6.4	0
21/12/2022 22:00	4.2	250	18	6	0
21/12/2022 22:10	4	254	17	5.9	0
21/12/2022 22:20	4	253	16	6.1	0
21/12/2022 22:30	3.5	254	17	5.5	0
21/12/2022 22:40	3.7	258	22	5.6	0
21/12/2022 22:50	3.2	255	19	5.1	0
21/12/2022 23:00	3.4	257	19	5.8	0
21/12/2022 23:10	3.5	258	19	5.5	0
21/12/2022 23:20	2.8	265	21	4.4	0
21/12/2022 23:30	2.8	256	18	4.3	0
21/12/2022 23:40	2.5	253	19	4	0
21/12/2022 23:50	2.3	255	24	3.6	0
22/12/2022 00:00	2.8	260	20	4.1	0
22/12/2022 00:10	2.8	254	21	4.7	0
22/12/2022 00:20	2.7	260	20	4.4	0
22/12/2022 00:30	2.2	257	20	3.4	0
22/12/2022 00:40	2.4	261	18	3.2	0
22/12/2022 00:50	2.7	257	18	4	0
22/12/2022 01:00	2	261	24	3.3	0
22/12/2022 01:10	1.8	261	16	2.8	0
22/12/2022 01:20	2.3	252	18	3.7	0
22/12/2022 01:30	2.1	250	20	3.2	0
22/12/2022 01:40	2	247	18	3.1	0
22/12/2022 01:50	1.7	259	25	2.6	0
22/12/2022 02:00	2	254	23	3.2	0
22/12/2022 02:10	1.8	265	22	2.9	0
22/12/2022 02:20	1.8	246	18	2.7	0
22/12/2022 02:30	1.4	257	26	2.2	0
22/12/2022 02:40	2.1	245	19	3.2	0
22/12/2022 02:50	2	251	14	3.1	0
22/12/2022 03:00	2.2	250	17	3	0
22/12/2022 03:10	1.6	253	22	2.3	0
22/12/2022 03:20	2	247	16	3.2	0
22/12/2022 03:30	1.8	256	19	2.9	0
22/12/2022 03:40	1.6	252	19	2.6	0
22/12/2022 03:50	1.5	259	22	2.2	0
22/12/2022 04:00	1.8	255	23	2.6	0
22/12/2022 04:10	1.8	255	20	3.2	0
22/12/2022 04:20	1.9	255	18	2.7	0
22/12/2022 04:30	2.1	252	16	2.8	0
22/12/2022 04:40	1.8	262	18	3.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/12/2022 04:50	1.6	269	19	2.8	0
22/12/2022 05:00	1.7	261	20	3.1	0
22/12/2022 05:10	2.2	252	18	3.3	0
22/12/2022 05:20	1.8	266	23	2.9	0
22/12/2022 05:30	1.1	257	26	1.7	0
22/12/2022 05:40	1.3	260	19	1.9	0
22/12/2022 05:50	1.4	260	22	2.3	0
22/12/2022 06:00	1.3	261	27	1.9	0
22/12/2022 06:10	1.6	243	17	2.2	0
22/12/2022 06:20	1.7	249	18	2.6	0
22/12/2022 06:30	1.5	249	25	2.4	0
22/12/2022 06:40	1.8	238	25	2.8	0
22/12/2022 06:50	1.8	255	32	2.9	0
22/12/2022 07:00	1.4	261	44	2.6	0
22/12/2022 07:10	1.6	260	46	2.9	0
22/12/2022 07:20	1.5	241	26	2.3	0
22/12/2022 07:30	1.2	200	39	2	0
22/12/2022 07:40	1.7	174	25	2.9	0
22/12/2022 07:50	2.2	129	27	3.6	0
22/12/2022 08:00	1.7	113	27	3	0
22/12/2022 08:10	1.6	135	32	2.7	0
22/12/2022 08:20	1.6	123	34	2.8	0
22/12/2022 08:30	1.6	102	31	2.9	0
22/12/2022 08:40	1.6	106	33	2.7	0
22/12/2022 08:50	1.7	86	33	2.9	0
22/12/2022 09:00	1.8	64	31	3	0
22/12/2022 09:10	1.7	80	26	2.6	0
22/12/2022 09:20	2.2	68	25	3.5	0
22/12/2022 09:30	2	72	36	3.3	0
22/12/2022 09:40	1.9	62	28	3.2	0
22/12/2022 09:50	1.7	64	38	3	0
22/12/2022 10:00	2.1	173	43	3.6	0
22/12/2022 10:10	1.9	345	38	3.2	0
22/12/2022 10:20	2.1	183	40	4.6	0
22/12/2022 10:30	2.2	69	28	3.7	0
22/12/2022 10:40	2.4	79	28	3.7	0
22/12/2022 10:50	2.3	71	27	4.5	0
22/12/2022 11:00	2	68	29	3.2	0
22/12/2022 11:10	2.3	348	50	4.3	0
22/12/2022 11:20	2.1	350	47	4.5	0
22/12/2022 11:30	2.4	13	37	4.3	0
22/12/2022 11:40	2.5	18	50	4.2	0
22/12/2022 11:50	2.5	171	36	4.6	0
22/12/2022 12:00	3	175	31	5	0
22/12/2022 12:10	3.2	12	23	4.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/12/2022 12:20	3.2	7	26	5.4	0
22/12/2022 12:30	3.3	12	30	5.6	0
22/12/2022 12:40	3.5	188	30	5.6	0
22/12/2022 12:50	3.7	8	27	6	0
22/12/2022 13:00	3.7	15	28	5.9	0
22/12/2022 13:10	3.8	7	31	6.1	0
22/12/2022 13:20	3.9	183	35	6.5	0
22/12/2022 13:30	3.6	186	28	5.9	0
22/12/2022 13:40	3.7	10	31	6	0
22/12/2022 13:50	3.7	10	32	6.6	0
22/12/2022 14:00	2.9	183	35	5.4	0
22/12/2022 14:10	3.1	178	41	5.6	0
22/12/2022 14:20	3.1	357	34	5.7	0
22/12/2022 14:30	3.2	12	40	5.8	0
22/12/2022 14:40	3.3	10	31	5.5	0
22/12/2022 14:50	3.8	12	25	6	0
22/12/2022 15:00	3.5	18	31	5.7	0
22/12/2022 15:10	3.5	13	29	5.6	0
22/12/2022 15:20	3.4	15	26	5.5	0
22/12/2022 15:30	3.6	14	28	5.5	0
22/12/2022 15:40	3.6	22	30	5.6	0
22/12/2022 15:50	4	22	31	6.1	0
22/12/2022 16:00	3.5	16	33	6	0
22/12/2022 16:10	3.6	19	30	5.8	0
22/12/2022 16:20	3.3	14	28	6	0
22/12/2022 16:30	3	17	34	5.4	0
22/12/2022 16:40	3	176	36	5.3	0
22/12/2022 16:50	3.1	21	38	5.2	0
22/12/2022 17:00	2.3	181	46	4.4	0
22/12/2022 17:10	2.8	342	36	5.6	0
22/12/2022 17:20	2.5	346	46	5.6	0
22/12/2022 17:30	3.2	338	34	4.9	0
22/12/2022 17:40	2.8	324	41	6	0
22/12/2022 17:50	3	340	35	5.6	0
22/12/2022 18:00	3.3	331	33	5.4	0
22/12/2022 18:10	3.3	329	29	5.6	0
22/12/2022 18:20	3.1	328	29	5.2	0
22/12/2022 18:30	2.7	316	38	4.5	0
22/12/2022 18:40	3	322	27	5.2	0
22/12/2022 18:50	3.1	319	27	6.1	0
22/12/2022 19:00	2.9	314	34	5.3	0
22/12/2022 19:10	2.8	316	33	5.1	0
22/12/2022 19:20	2.5	323	33	5.1	0
22/12/2022 19:30	2.7	313	33	4.4	0
22/12/2022 19:40	2.7	313	37	4.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/12/2022 19:50	2.7	309	32	5.2	0
22/12/2022 20:00	2.4	299	44	4.4	0
22/12/2022 20:10	2.4	293	43	4.2	0
22/12/2022 20:20	2.1	277	39	3.4	0
22/12/2022 20:30	2.1	291	44	3.8	0
22/12/2022 20:40	2.3	280	41	3.9	0
22/12/2022 20:50	2.1	262	36	3.7	0
22/12/2022 21:00	2.4	258	28	3.9	0
22/12/2022 21:10	2.2	264	36	4	0
22/12/2022 21:20	2.2	267	31	3.7	0
22/12/2022 21:30	2.4	261	28	3.9	0
22/12/2022 21:40	2.5	253	26	3.8	0
22/12/2022 21:50	2.5	257	23	4	0
22/12/2022 22:00	2.9	254	15	4.6	0
22/12/2022 22:10	2.5	254	18	4	0
22/12/2022 22:20	2.7	249	20	3.9	0
22/12/2022 22:30	2.7	255	19	4.4	0
22/12/2022 22:40	2.9	250	14	4.4	0
22/12/2022 22:50	2.7	254	16	4	0
22/12/2022 23:00	2.8	260	17	4	0
22/12/2022 23:10	3.1	253	16	4.3	0
22/12/2022 23:20	2.5	255	22	3.7	0
22/12/2022 23:30	3.1	249	16	4.4	0
22/12/2022 23:40	2.8	247	18	4	0
22/12/2022 23:50	2.9	243	13	4.9	0
23/12/2022 00:00	3.1	252	16	4.4	0
23/12/2022 00:10	2.6	240	18	3.9	0
23/12/2022 00:20	2.6	237	16	4	0
23/12/2022 00:30	2.9	239	16	4.4	0
23/12/2022 00:40	2.7	237	17	3.8	0
23/12/2022 00:50	2.3	235	17	3.8	0
23/12/2022 01:00	2.2	237	20	3.5	0
23/12/2022 01:10	2.5	233	17	3.6	0
23/12/2022 01:20	2.4	237	17	3.6	0
23/12/2022 01:30	2.3	230	18	3.6	0
23/12/2022 01:40	2.3	228	16	3.2	0
23/12/2022 01:50	2.3	231	14	3.3	0
23/12/2022 02:00	2.2	236	18	3	0
23/12/2022 02:10	2.3	243	16	3.6	0
23/12/2022 02:20	2.5	247	17	3.5	0
23/12/2022 02:30	2.2	241	17	3.2	0
23/12/2022 02:40	2.2	243	15	3.2	0
23/12/2022 02:50	2.1	240	20	3.6	0
23/12/2022 03:00	2.3	240	20	3.4	0
23/12/2022 03:10	2	230	21	3.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/12/2022 03:20	2	238	23	3.1	0
23/12/2022 03:30	2.2	241	20	3.3	0
23/12/2022 03:40	1.6	238	16	2.5	0
23/12/2022 03:50	1.4	228	25	2.5	0
23/12/2022 04:00	2	238	19	3	0
23/12/2022 04:10	2.7	232	14	4	0
23/12/2022 04:20	2.2	233	22	4	0
23/12/2022 04:30	2.3	231	16	3.2	0
23/12/2022 04:40	2.4	231	18	3.6	0
23/12/2022 04:50	2.6	233	18	4.1	0
23/12/2022 05:00	2	231	17	3.4	0
23/12/2022 05:10	1.9	231	19	2.9	0
23/12/2022 05:20	2	231	17	2.8	0
23/12/2022 05:30	2	239	21	3.2	0
23/12/2022 05:40	1.7	231	16	2.6	0
23/12/2022 05:50	1.8	234	17	2.8	0
23/12/2022 06:00	1.9	233	20	3	0
23/12/2022 06:10	2	227	19	2.8	0
23/12/2022 06:20	2.2	241	21	3.3	0
23/12/2022 06:30	2	254	20	2.9	0
23/12/2022 06:40	1.6	223	24	2.4	0
23/12/2022 06:50	1.6	169	25	2.8	0
23/12/2022 07:00	1.3	166	27	2	0
23/12/2022 07:10	1.1	146	38	1.6	0
23/12/2022 07:20	1.3	140	33	2.2	0
23/12/2022 07:30	1	118	32	2	0
23/12/2022 07:40	1.3	90	29	2.1	0
23/12/2022 07:50	1	118	35	1.6	0
23/12/2022 08:00	1.1	89	38	2	0
23/12/2022 08:10	1.1	118	35	2.1	0
23/12/2022 08:20	1.3	138	34	2.1	0
23/12/2022 08:30	1	29	45	1.6	0
23/12/2022 08:40	1	86	48	2.1	0
23/12/2022 08:50	1.6	71	25	2.9	0
23/12/2022 09:00	1.5	117	41	2.9	0
23/12/2022 09:10	1.9	127	25	2.9	0
23/12/2022 09:20	1.6	83	25	2.6	0
23/12/2022 09:30	1.4	62	34	2.4	0
23/12/2022 09:40	1.5	85	26	2.6	0
23/12/2022 09:50	1.3	65	51	2.4	0
23/12/2022 10:00	1.7	65	32	3.1	0
23/12/2022 10:10	2	53	30	3.4	0
23/12/2022 10:20	2.1	60	28	3.3	0
23/12/2022 10:30	2.3	63	27	3.7	0
23/12/2022 10:40	2.4	57	26	4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/12/2022 10:50	2.1	49	30	3.6	0
23/12/2022 11:00	2.3	37	32	3.7	0
23/12/2022 11:10	1.7	21	59	3.3	0
23/12/2022 11:20	2.2	6	36	4	0
23/12/2022 11:30	2.5	345	39	4	0
23/12/2022 11:40	2.4	349	26	3.6	0
23/12/2022 11:50	2.8	329	31	4.3	0
23/12/2022 12:00	2.5	6	32	4.3	0
23/12/2022 12:10	2.4	179	32	3.6	0
23/12/2022 12:20	2.6	173	27	4	0
23/12/2022 12:30	3	354	24	4.2	0
23/12/2022 12:40	2.9	180	33	4.3	0
23/12/2022 12:50	2.7	349	28	4.1	0
23/12/2022 13:00	2.6	7	36	4.4	0
23/12/2022 13:10	2.7	341	41	4.8	0
23/12/2022 13:20	2.9	172	39	5.3	0
23/12/2022 13:30	3.1	327	31	5.1	0
23/12/2022 13:40	2.8	345	36	4.8	0
23/12/2022 13:50	3.4	327	25	5.7	0
23/12/2022 14:00	3.6	325	30	6.1	0
23/12/2022 14:10	4	324	27	6.7	0
23/12/2022 14:20	3.6	323	27	5.6	0
23/12/2022 14:30	3.6	315	34	5.7	0
23/12/2022 14:40	4	332	31	6.5	0
23/12/2022 14:50	3.7	328	27	6.8	0
23/12/2022 15:00	3.3	322	34	5.5	0
23/12/2022 15:10	3.9	320	24	6.5	0
23/12/2022 15:20	3.2	307	42	5.6	0
23/12/2022 15:30	3.2	302	40	6.4	0
23/12/2022 15:40	3.2	320	35	6.1	0
23/12/2022 15:50	3.6	321	32	6.4	0
23/12/2022 16:00	3.5	318	41	5.7	0
23/12/2022 16:10	3.3	314	33	5.8	0
23/12/2022 16:20	3.3	297	41	6.4	0
23/12/2022 16:30	3.5	307	37	6	0
23/12/2022 16:40	2.8	291	46	4.9	0
23/12/2022 16:50	3.6	316	36	6.1	0
23/12/2022 17:00	3.8	318	34	6.6	0
23/12/2022 17:10	3.6	312	39	6.4	0
23/12/2022 17:20	3.1	292	39	5.4	0
23/12/2022 17:30	3.2	303	41	5.7	0
23/12/2022 17:40	3.3	266	30	5.6	0
23/12/2022 17:50	3.8	255	26	6.1	0
23/12/2022 18:00	3.8	260	23	5.5	0
23/12/2022 18:10	3.6	270	29	6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/12/2022 18:20	3.5	261	25	5.6	0
23/12/2022 18:30	4.2	256	18	6.4	0
23/12/2022 18:40	3.7	257	20	5.3	0
23/12/2022 18:50	3.8	256	19	5.6	0
23/12/2022 19:00	3.5	260	23	5.3	0
23/12/2022 19:10	3.2	257	19	4.7	0
23/12/2022 19:20	3	266	26	5.2	0
23/12/2022 19:30	2.9	262	24	4.6	0
23/12/2022 19:40	2.6	267	25	4.2	0
23/12/2022 19:50	2.7	261	22	3.8	0
23/12/2022 20:00	2.5	258	21	4	0
23/12/2022 20:10	3	258	16	4	0
23/12/2022 20:20	3.2	251	16	5.1	0
23/12/2022 20:30	3.2	254	17	4.8	0
23/12/2022 20:40	3.6	248	15	5.6	0
23/12/2022 20:50	3.7	249	17	5.2	0
23/12/2022 21:00	4	253	14	6	0
23/12/2022 21:10	3.9	251	15	5.7	0
23/12/2022 21:20	3.9	251	17	5.3	0
23/12/2022 21:30	4.2	251	14	5.9	0
23/12/2022 21:40	3.9	254	16	5.8	0
23/12/2022 21:50	3.9	250	15	5.5	0
23/12/2022 22:00	3.8	253	17	6	0
23/12/2022 22:10	3.5	245	19	5.2	0
23/12/2022 22:20	3.5	241	20	5.3	0
23/12/2022 22:30	3.4	243	17	4.9	0
23/12/2022 22:40	3.1	246	19	4.5	0
23/12/2022 22:50	3.2	242	17	4.5	0
23/12/2022 23:00	3	239	16	4.3	0
23/12/2022 23:10	3.1	240	18	4.7	0
23/12/2022 23:20	3.2	236	18	4.8	0
23/12/2022 23:30	3.3	237	19	4.8	0
23/12/2022 23:40	2.7	232	17	3.8	0
23/12/2022 23:50	3	241	17	4	0
24/12/2022 00:00	3.1	242	17	4.5	0
24/12/2022 00:10	3	238	18	4.4	0
24/12/2022 00:20	3.4	239	16	5	0
24/12/2022 00:30	3.6	239	15	5.3	0
24/12/2022 00:40	3.4	238	18	5.4	0
24/12/2022 00:50	3.3	240	20	4.8	0
24/12/2022 01:00	3.5	239	17	5.2	0
24/12/2022 01:10	3.8	237	15	5.3	0
24/12/2022 01:20	4	236	18	5.8	0
24/12/2022 01:30	3.8	241	17	5.6	0
24/12/2022 01:40	3.4	241	16	5	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/12/2022 01:50	2.9	235	19	4.2	0
24/12/2022 02:00	2.7	233	16	4.3	0
24/12/2022 02:10	2.9	239	16	4.3	0
24/12/2022 02:20	2.3	229	18	3.7	0
24/12/2022 02:30	2.1	242	19	2.8	0
24/12/2022 02:40	2.1	242	16	3	0
24/12/2022 02:50	2	245	20	3	0
24/12/2022 03:00	2	225	20	2.9	0
24/12/2022 03:10	2.1	244	17	3.2	0
24/12/2022 03:20	2.2	240	18	3	0
24/12/2022 03:30	2.1	255	15	3.1	0
24/12/2022 03:40	2.1	273	16	3	0
24/12/2022 03:50	1.9	283	17	2.7	0
24/12/2022 04:00	1.8	296	19	2.7	0
24/12/2022 04:10	1.7	303	20	2.8	0
24/12/2022 04:20	1.8	300	16	2.5	0
24/12/2022 04:30	1.7	311	16	2.5	0
24/12/2022 04:40	1.6	293	22	2.3	0
24/12/2022 04:50	1.3	315	23	2.2	0
24/12/2022 05:00	1.2	270	39	2	0
24/12/2022 05:10	1	268	23	1.6	0
24/12/2022 05:20	1.5	256	16	2.1	0
24/12/2022 05:30	2.1	253	14	2.8	0
24/12/2022 05:40	1.9	257	17	2.4	0
24/12/2022 05:50	1.9	259	20	2.7	0
24/12/2022 06:00	2.1	260	23	3.4	0
24/12/2022 06:10	2.7	256	18	4	0
24/12/2022 06:20	3.1	256	16	4.2	0
24/12/2022 06:30	3.1	260	17	4.8	0
24/12/2022 06:40	3.2	256	19	4.8	0
24/12/2022 06:50	3.4	258	16	4.6	0
24/12/2022 07:00	4.1	254	15	6.2	0
24/12/2022 07:10	4.4	239	16	6.2	0
24/12/2022 07:20	4.2	249	16	5.8	0
24/12/2022 07:30	4	251	16	5.9	0
24/12/2022 07:40	4.2	246	17	5.5	0
24/12/2022 07:50	3.8	257	15	5.9	0
24/12/2022 08:00	3.7	258	16	5.3	0
24/12/2022 08:10	4	256	17	6.4	0
24/12/2022 08:20	4	256	16	5.9	0
24/12/2022 08:30	4.5	259	16	6.8	0
24/12/2022 08:40	4.1	256	17	6.6	0
24/12/2022 08:50	4.1	249	16	5.9	0
24/12/2022 09:00	4.1	255	18	5.9	0
24/12/2022 09:10	4.5	246	16	6.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/12/2022 09:20	4.1	248	18	6	0
24/12/2022 09:30	4.2	248	17	6	0
24/12/2022 09:40	4.2	250	18	6.3	0
24/12/2022 09:50	4.1	252	17	6	0
24/12/2022 10:00	4	255	17	5.7	0
24/12/2022 10:10	4	250	20	6	0
24/12/2022 10:20	4	255	18	5.6	0
24/12/2022 10:30	4.3	250	16	6.8	0
24/12/2022 10:40	4.4	252	15	6	0
24/12/2022 10:50	4.2	252	18	6	0
24/12/2022 11:00	4.6	249	17	6.5	0
24/12/2022 11:10	4.7	248	16	6.8	0
24/12/2022 11:20	4.5	252	19	6.8	0
24/12/2022 11:30	5	244	14	7.3	0
24/12/2022 11:40	4.8	248	18	7.1	0
24/12/2022 11:50	4.8	250	17	6.7	0
24/12/2022 12:00	5.1	239	17	6.8	0
24/12/2022 12:10	5.1	242	17	7	0
24/12/2022 12:20	5.2	245	18	7.3	0
24/12/2022 12:30	5.4	244	14	7.6	0
24/12/2022 12:40	5.5	246	15	7.2	0
24/12/2022 12:50	5.7	241	15	7.4	0
24/12/2022 13:00	5.7	246	15	7.5	0
24/12/2022 13:10	5.4	245	15	7.2	0
24/12/2022 13:20	5.4	244	17	7.5	0
24/12/2022 13:30	5.4	247	15	7.5	0
24/12/2022 13:40	3.8	266	24	6.4	0
24/12/2022 13:50	3.2	280	29	5.2	0
24/12/2022 14:00	4	267	31	6.1	0
24/12/2022 14:10	3.3	277	37	5.6	0
24/12/2022 14:20	4.2	256	23	6.3	0
24/12/2022 14:30	3.7	261	23	6	0
24/12/2022 14:40	3.8	262	28	7	0
24/12/2022 14:50	3.8	266	25	6.3	0
24/12/2022 15:00	3.4	278	33	5.8	0
24/12/2022 15:10	3.2	289	38	5.2	0
24/12/2022 15:20	3.5	284	33	6.2	0
24/12/2022 15:30	3.4	290	39	6.4	0
24/12/2022 15:40	3.6	280	40	5.8	0
24/12/2022 15:50	3.7	272	34	6	0
24/12/2022 16:00	3.3	287	34	5.7	0
24/12/2022 16:10	3.5	277	31	6	0
24/12/2022 16:20	3.4	269	28	6	0
24/12/2022 16:30	3.7	267	27	6.3	0
24/12/2022 16:40	4.2	260	25	6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/12/2022 16:50	3.9	263	28	6.2	0
24/12/2022 17:00	4.2	267	27	6.3	0
24/12/2022 17:10	4.1	257	24	6.4	0
24/12/2022 17:20	4.1	257	21	6.1	0
24/12/2022 17:30	4.4	255	19	6.6	0
24/12/2022 17:40	4.4	255	18	7.2	0
24/12/2022 17:50	4.8	253	16	7.5	0
24/12/2022 18:00	5.2	250	16	7.3	0
24/12/2022 18:10	5.4	244	15	7.2	0
24/12/2022 18:20	5.2	246	17	7.3	0
24/12/2022 18:30	5.4	244	16	8.1	0
24/12/2022 18:40	5.7	246	14	7.9	0
24/12/2022 18:50	5.5	248	14	7.9	0
24/12/2022 19:00	5	254	17	7	0
24/12/2022 19:10	4.7	256	16	6.6	0
24/12/2022 19:20	5	255	16	7.2	0
24/12/2022 19:30	4.9	250	17	7	0
24/12/2022 19:40	4.4	253	16	6.4	0
24/12/2022 19:50	4.6	260	19	6.8	0
24/12/2022 20:00	4.4	256	18	6.8	0
24/12/2022 20:10	4.7	255	15	6.8	0
24/12/2022 20:20	4.6	254	16	6.5	0
24/12/2022 20:30	5	254	13	7	0
24/12/2022 20:40	5.1	255	16	7.5	0
24/12/2022 20:50	4.4	260	16	6.7	0
24/12/2022 21:00	4.7	251	15	7.1	0
24/12/2022 21:10	4.5	256	16	6.4	0
24/12/2022 21:20	4.8	252	16	6.8	0
24/12/2022 21:30	4.7	256	15	6.5	0
24/12/2022 21:40	5	253	13	6.7	0
24/12/2022 21:50	4.7	254	17	6.4	0
24/12/2022 22:00	4.8	242	15	7.1	0
24/12/2022 22:10	4.8	243	15	6.9	0
24/12/2022 22:20	4.2	249	18	5.9	0
24/12/2022 22:30	4.4	244	18	6.5	0
24/12/2022 22:40	4.8	240	15	7.1	0
24/12/2022 22:50	4.6	241	16	7	0
24/12/2022 23:00	4.2	238	19	6	0
24/12/2022 23:10	4.8	240	14	7.1	0
24/12/2022 23:20	4.4	240	17	6.1	0
24/12/2022 23:30	3.4	236	18	5.2	0
24/12/2022 23:40	3.7	238	17	5.5	0
24/12/2022 23:50	3.5	241	19	6	0
25/12/2022 00:00	3.7	243	14	4.8	0
25/12/2022 00:10	3.6	237	15	5.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/12/2022 00:20	3.6	241	14	5.3	0
25/12/2022 00:30	3.9	238	17	5.8	0
25/12/2022 00:40	3.5	242	16	5.3	0
25/12/2022 00:50	3.4	244	17	4.8	0
25/12/2022 01:00	3.6	258	16	5.4	0
25/12/2022 01:10	3.9	254	18	5.5	0
25/12/2022 01:20	3.6	258	16	4.8	0
25/12/2022 01:30	3.7	255	14	5.6	0
25/12/2022 01:40	3.8	257	14	6	0
25/12/2022 01:50	3.5	253	15	4.8	0
25/12/2022 02:00	3.8	247	22	5.9	0
25/12/2022 02:10	3.8	256	14	5.8	0
25/12/2022 02:20	4	256	17	5.6	0
25/12/2022 02:30	4.1	257	16	6	0
25/12/2022 02:40	3.6	254	17	5.5	0
25/12/2022 02:50	4	258	16	5.8	0
25/12/2022 03:00	4.4	259	15	6.5	0
25/12/2022 03:10	4.3	255	14	5.9	0
25/12/2022 03:20	3.5	254	18	5	0
25/12/2022 03:30	4.2	256	16	6	0
25/12/2022 03:40	4.2	256	16	6.4	0
25/12/2022 03:50	4.2	256	15	6.1	0
25/12/2022 04:00	3.7	259	14	5.2	0
25/12/2022 04:10	4	265	14	6.4	0
25/12/2022 04:20	4	263	16	6.4	0
25/12/2022 04:30	4.2	262	17	6	0
25/12/2022 04:40	3.9	262	17	5.3	0
25/12/2022 04:50	4.1	259	16	5.8	0
25/12/2022 05:00	4.5	253	14	6.4	0
25/12/2022 05:10	3.6	255	14	5.2	0
25/12/2022 05:20	3.7	253	18	5.2	0
25/12/2022 05:30	3.5	257	16	5.6	0
25/12/2022 05:40	3.9	253	14	5.4	0
25/12/2022 05:50	3.9	241	14	5.7	0
25/12/2022 06:00	3.9	250	19	5.8	0
25/12/2022 06:10	3.7	252	18	5.2	0
25/12/2022 06:20	3.1	242	16	4.9	0
25/12/2022 06:30	3.5	240	18	5.6	0
25/12/2022 06:40	3.4	240	18	5.1	0
25/12/2022 06:50	4	238	19	5.6	0
25/12/2022 07:00	4	241	17	5.7	0
25/12/2022 07:10	4.5	236	17	6.2	0
25/12/2022 07:20	4.2	246	20	6	0
25/12/2022 07:30	4.3	240	18	6.6	0
25/12/2022 07:40	4.6	248	18	6.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/12/2022 07:50	4.7	250	18	7.1	0
25/12/2022 08:00	4.7	250	15	6.5	0
25/12/2022 08:10	4.6	242	14	6.1	0
25/12/2022 08:20	4.7	250	17	6.4	0
25/12/2022 08:30	4.6	244	18	6.8	0
25/12/2022 08:40	4.5	257	21	6.8	0
25/12/2022 08:50	4.6	254	19	6.5	0
25/12/2022 09:00	4.5	264	20	6.1	0
25/12/2022 09:10	5.3	252	15	7.3	0
25/12/2022 09:20	5	249	17	7.6	0
25/12/2022 09:30	4.7	252	19	6.8	0
25/12/2022 09:40	5.2	252	17	7	0
25/12/2022 09:50	5.1	253	18	8	0
25/12/2022 10:00	4.8	258	19	6.8	0
25/12/2022 10:10	5.2	257	19	7.6	0
25/12/2022 10:20	5.1	256	17	7.9	0
25/12/2022 10:30	5.3	255	19	7.8	0
25/12/2022 10:40	5.3	243	15	7.6	0
25/12/2022 10:50	5.7	244	16	7.9	0
25/12/2022 11:00	5.2	255	18	7.2	0
25/12/2022 11:10	5	254	17	6.8	0
25/12/2022 11:20	5.4	259	20	7.8	0
25/12/2022 11:30	5.6	258	18	8.3	0
25/12/2022 11:40	5.9	252	18	7.9	0
25/12/2022 11:50	5.3	253	18	7.4	0
25/12/2022 12:00	5.6	254	16	8	0
25/12/2022 12:10	5.4	259	15	7.9	0
25/12/2022 12:20	5.8	248	16	8.4	0
25/12/2022 12:30	5.7	248	17	7.9	0
25/12/2022 12:40	5.1	256	17	7.5	0
25/12/2022 12:50	4.3	262	22	6.8	0
25/12/2022 13:00	4	269	29	6.9	0
25/12/2022 13:10	3.9	264	26	5.8	0
25/12/2022 13:20	4	266	32	6.4	0
25/12/2022 13:30	3.9	283	34	6	0
25/12/2022 13:40	3.5	287	40	5.8	0
25/12/2022 13:50	3.8	270	36	6.9	0
25/12/2022 14:00	4	287	39	6.8	0
25/12/2022 14:10	3.8	275	31	6.1	0
25/12/2022 14:20	3.7	274	33	6.6	0
25/12/2022 14:30	3.6	289	37	5.7	0
25/12/2022 14:40	3.6	292	39	6	0
25/12/2022 14:50	4.3	263	27	6.7	0
25/12/2022 15:00	3.9	269	27	6.4	0
25/12/2022 15:10	4.1	270	27	6.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/12/2022 15:20	4.3	273	30	7.2	0
25/12/2022 15:30	3.9	264	28	6.4	0
25/12/2022 15:40	3.6	261	30	5.6	0
25/12/2022 15:50	4.3	260	20	7	0
25/12/2022 16:00	4.2	260	21	6.6	0
25/12/2022 16:10	4.1	259	18	6.4	0
25/12/2022 16:20	4.7	255	21	7.5	0
25/12/2022 16:30	4.3	259	21	6.3	0
25/12/2022 16:40	3.3	271	29	5.7	0
25/12/2022 16:50	3.6	260	29	5.9	0
25/12/2022 17:00	3.4	271	32	5.6	0
25/12/2022 17:10	3.2	286	37	5.3	0
25/12/2022 17:20	3.8	269	30	5.7	0
25/12/2022 17:30	4	261	25	6.3	0
25/12/2022 17:40	4.4	258	18	7.2	0
25/12/2022 17:50	5.2	260	21	8	0
25/12/2022 18:00	5.1	248	15	7.1	0
25/12/2022 18:10	5	246	15	6.6	0
25/12/2022 18:20	4.7	252	15	6.4	0
25/12/2022 18:30	5	249	16	7.2	0
25/12/2022 18:40	5.4	246	15	7.3	0
25/12/2022 18:50	5.6	247	15	8	0
25/12/2022 19:00	5.6	248	16	7.6	0
25/12/2022 19:10	4.6	257	17	7.2	0
25/12/2022 19:20	4.6	255	18	6.8	0
25/12/2022 19:30	4.5	256	17	6.4	0
25/12/2022 19:40	4.4	256	16	6.5	0
25/12/2022 19:50	4.5	254	17	7.3	0
25/12/2022 20:00	4.7	258	18	6.8	0
25/12/2022 20:10	4.1	259	16	6.1	0
25/12/2022 20:20	4	261	21	5.9	0
25/12/2022 20:30	4	257	19	6.8	0
25/12/2022 20:40	4.6	256	18	6.8	0
25/12/2022 20:50	4.2	258	16	6.3	0
25/12/2022 21:00	4.4	257	16	6.8	0
25/12/2022 21:10	4.2	253	17	6.2	0
25/12/2022 21:20	3.6	259	17	5.2	0
25/12/2022 21:30	4.1	244	19	6.2	0
25/12/2022 21:40	4.3	256	17	6.5	0
25/12/2022 21:50	4.7	255	16	6.9	0
25/12/2022 22:00	4.5	248	15	6.6	0
25/12/2022 22:10	4.3	252	17	6.2	0
25/12/2022 22:20	4.6	254	17	6.4	0
25/12/2022 22:30	3.8	249	17	5.5	0
25/12/2022 22:40	3.9	255	16	5.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/12/2022 22:50	3.8	249	15	5.3	0
25/12/2022 23:00	4.7	257	16	7.1	0
25/12/2022 23:10	4.1	252	14	5.7	0
25/12/2022 23:20	4.5	257	16	6.8	0
25/12/2022 23:30	3.9	257	18	5.9	0
25/12/2022 23:40	4.1	260	14	6	0
25/12/2022 23:50	3.8	254	17	5.2	0
26/12/2022 00:00	4.3	246	16	6.4	0
26/12/2022 00:10	3.2	239	19	5.1	0
26/12/2022 00:20	3.5	256	16	5.4	0
26/12/2022 00:30	3.7	255	18	5.2	0
26/12/2022 00:40	3.6	254	15	5.4	0
26/12/2022 00:50	3.9	257	15	5.7	0
26/12/2022 01:00	4.2	257	15	5.8	0
26/12/2022 01:10	4	256	16	5.6	0
26/12/2022 01:20	4	258	17	5.6	0
26/12/2022 01:30	4	256	14	5.6	0
26/12/2022 01:40	4.6	258	13	6.3	0
26/12/2022 01:50	4.1	255	17	6.2	0
26/12/2022 02:00	4.6	255	15	6.6	0
26/12/2022 02:10	4.6	255	14	6.5	0
26/12/2022 02:20	4.4	255	15	6	0
26/12/2022 02:30	4	251	15	6.4	0
26/12/2022 02:40	4.5	257	14	6.2	0
26/12/2022 02:50	4.3	258	14	6	0
26/12/2022 03:00	4.5	256	15	6.4	0
26/12/2022 03:10	4.2	255	16	6.3	0
26/12/2022 03:20	3.8	255	17	6	0
26/12/2022 03:30	4.1	255	14	5.9	0
26/12/2022 03:40	3.9	261	14	5.6	0
26/12/2022 03:50	4.2	259	17	6.1	0
26/12/2022 04:00	4.3	259	15	6.1	0
26/12/2022 04:10	4.4	258	16	6.3	0
26/12/2022 04:20	4.4	259	15	6.3	0
26/12/2022 04:30	3.4	265	19	5.2	0
26/12/2022 04:40	3	262	16	4.8	0
26/12/2022 04:50	2.5	265	24	4.4	0
26/12/2022 05:00	2.9	260	20	5.4	0
26/12/2022 05:10	2.9	262	20	4.8	0
26/12/2022 05:20	3.3	259	15	5.2	0
26/12/2022 05:30	5	259	15	7.3	0
26/12/2022 05:40	4	265	19	5.8	0
26/12/2022 05:50	3.7	258	18	5.7	0
26/12/2022 06:00	3.6	264	17	6	0
26/12/2022 06:10	3.5	263	21	5.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/12/2022 06:20	3.8	255	15	6.4	0
26/12/2022 06:30	3.3	257	18	5.5	0
26/12/2022 06:40	4	249	16	5.6	0
26/12/2022 06:50	3.8	253	18	5.6	0
26/12/2022 07:00	4.2	253	17	5.7	0
26/12/2022 07:10	3.3	261	18	5.5	0
26/12/2022 07:20	3.6	254	18	5.2	0
26/12/2022 07:30	3.8	257	19	6.1	0
26/12/2022 07:40	3.7	254	15	5.3	0
26/12/2022 07:50	4.1	248	15	6	0
26/12/2022 08:00	3.4	263	23	5.9	0
26/12/2022 08:10	3.9	262	19	5.9	0
26/12/2022 08:20	3.8	259	18	6.1	0
26/12/2022 08:30	3.9	255	17	6.3	0
26/12/2022 08:40	4.5	258	19	6.4	0
26/12/2022 08:50	4.6	255	16	6.5	0
26/12/2022 09:00	4.3	252	16	7	0
26/12/2022 09:10	4.9	254	21	7.4	0
26/12/2022 09:20	4.9	250	16	7	0
26/12/2022 09:30	4.9	246	20	6.9	0
26/12/2022 09:40	4.9	250	16	7.2	0
26/12/2022 09:50	5	247	18	6.9	0
26/12/2022 10:00	5.1	246	16	6.8	0
26/12/2022 10:10	4.5	248	17	6.5	0
26/12/2022 10:20	4.7	244	15	7.3	0
26/12/2022 10:30	4.3	253	17	6.4	0
26/12/2022 10:40	4.3	259	20	6.4	0
26/12/2022 10:50	4.3	254	17	7.2	0
26/12/2022 11:00	3.6	259	24	5.4	0
26/12/2022 11:10	3.2	272	34	5.6	0
26/12/2022 11:20	3.4	304	39	6.4	0
26/12/2022 11:30	3.7	286	45	6	0
26/12/2022 11:40	4	303	38	6.4	0
26/12/2022 11:50	3.7	312	38	6.8	0
26/12/2022 12:00	4	305	37	6.4	0
26/12/2022 12:10	3.4	289	38	5.6	0
26/12/2022 12:20	3.8	284	40	6.1	0
26/12/2022 12:30	3.2	301	43	6	0
26/12/2022 12:40	3.2	286	39	6	0
26/12/2022 12:50	3.4	287	40	5.9	0
26/12/2022 13:00	3.6	283	40	6.4	0
26/12/2022 13:10	3.9	269	33	6.2	0
26/12/2022 13:20	3.6	281	40	6.1	0
26/12/2022 13:30	3.6	292	39	5.5	0
26/12/2022 13:40	4	293	43	6.6	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/12/2022 13:50	4.1	270	39	7.4	0
26/12/2022 14:00	3.4	301	40	6.5	0
26/12/2022 14:10	3.7	298	40	5.9	0
26/12/2022 14:20	4.1	279	34	6.8	0
26/12/2022 14:30	3.7	303	38	6.3	0
26/12/2022 14:40	3.5	288	39	6	0
26/12/2022 14:50	3.2	279	38	5.5	0
26/12/2022 15:00	3.4	282	38	6.1	0
26/12/2022 15:10	3.5	283	41	6.1	0
26/12/2022 15:20	3.6	285	38	6.1	0
26/12/2022 15:30	3.4	292	43	6.4	0
26/12/2022 15:40	4.1	266	27	6.4	0
26/12/2022 15:50	3.8	276	38	5.9	0
26/12/2022 16:00	3.5	265	33	5.8	0
26/12/2022 16:10	3.2	283	45	5.4	0
26/12/2022 16:20	3.3	297	44	5.8	0
26/12/2022 16:30	3.3	275	36	5.8	0
26/12/2022 16:40	3.5	274	40	6.1	0
26/12/2022 16:50	3.3	273	32	5.6	0
26/12/2022 17:00	3.7	272	28	6.1	0
26/12/2022 17:10	3.3	273	30	5.6	0
26/12/2022 17:20	4.3	257	19	6.4	0
26/12/2022 17:30	5.1	252	14	6.9	0
26/12/2022 17:40	5	253	17	7.5	0
26/12/2022 17:50	5	244	16	7.2	0
26/12/2022 18:00	4.8	247	16	6	0
26/12/2022 18:10	4.8	245	15	6.8	0
26/12/2022 18:20	4.9	251	14	6.7	0
26/12/2022 18:30	4.3	250	13	6.1	0
26/12/2022 18:40	4.5	251	17	6.5	0
26/12/2022 18:50	4.7	245	19	6.7	0
26/12/2022 19:00	4.7	257	16	6.9	0
26/12/2022 19:10	4.3	260	16	6.4	0
26/12/2022 19:20	4	254	15	5.8	0
26/12/2022 19:30	4.2	256	14	5.6	0
26/12/2022 19:40	4.1	256	14	5.6	0
26/12/2022 19:50	4.3	257	14	6.4	0
26/12/2022 20:00	4.1	253	15	5.9	0
26/12/2022 20:10	3.4	256	18	5.5	0
26/12/2022 20:20	3.2	257	15	4.6	0
26/12/2022 20:30	3.4	257	17	5.2	0
26/12/2022 20:40	3.2	258	18	4.7	0
26/12/2022 20:50	2.6	274	29	4.1	0
26/12/2022 21:00	2.4	282	29	4.2	0
26/12/2022 21:10	2.9	321	25	4.7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/12/2022 21:20	2.4	273	38	4.1	0
26/12/2022 21:30	2.4	297	38	4.3	0
26/12/2022 21:40	2.6	276	30	4.1	0
26/12/2022 21:50	2.8	263	26	4	0
26/12/2022 22:00	2.5	274	27	5.1	0
26/12/2022 22:10	2.8	269	28	4.5	0
26/12/2022 22:20	3.1	262	18	4.8	0
26/12/2022 22:30	3.5	259	15	5	0
26/12/2022 22:40	3.6	259	19	5.2	0
26/12/2022 22:50	3.3	259	17	4.8	0
26/12/2022 23:00	4	260	15	6	0
26/12/2022 23:10	3.8	260	15	5.6	0
26/12/2022 23:20	3.6	262	17	6	0
26/12/2022 23:30	4	258	14	5.5	0
26/12/2022 23:40	3.9	258	16	5.5	0
26/12/2022 23:50	2.7	255	18	3.7	0
27/12/2022 00:00	2.6	259	18	3.9	0
27/12/2022 00:10	2.5	262	16	3.8	0
27/12/2022 00:20	2.9	253	17	4.4	0
27/12/2022 00:30	2.7	256	17	3.9	0
27/12/2022 00:40	2.2	259	23	3.7	0
27/12/2022 00:50	2.1	258	21	3.2	0
27/12/2022 01:00	2.7	253	19	4.2	0
27/12/2022 01:10	3	259	18	5	0
27/12/2022 01:20	3.3	259	17	4.7	0
27/12/2022 01:30	3.3	257	17	5.3	0
27/12/2022 01:40	2.8	253	15	4.4	0
27/12/2022 01:50	2.6	261	20	4	0
27/12/2022 02:00	2.2	260	19	3.4	0
27/12/2022 02:10	2	257	21	3	0
27/12/2022 02:20	2.1	257	22	3.2	0
27/12/2022 02:30	2.1	259	21	3.4	0
27/12/2022 02:40	2	257	22	3.4	0
27/12/2022 02:50	1.9	263	23	2.9	0
27/12/2022 03:00	1.9	261	21	2.7	0
27/12/2022 03:10	1.4	267	40	2.4	0
27/12/2022 03:20	1.8	291	41	3.5	0
27/12/2022 03:30	2.1	266	34	3.2	0
27/12/2022 03:40	2	268	32	3.5	0
27/12/2022 03:50	1.7	263	41	3.1	0
27/12/2022 04:00	1.4	290	47	2.8	0
27/12/2022 04:10	1.8	289	38	3.4	0
27/12/2022 04:20	1.9	307	37	3.2	0
27/12/2022 04:30	1.7	305	35	3	0
27/12/2022 04:40	1.7	309	34	3.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/12/2022 04:50	1.4	286	46	2.9	0
27/12/2022 05:00	1.7	266	29	3.1	0
27/12/2022 05:10	1.9	275	34	3.2	0
27/12/2022 05:20	1.6	269	40	3	0
27/12/2022 05:30	1.8	251	24	3.1	0
27/12/2022 05:40	1.7	263	36	2.5	0
27/12/2022 05:50	1.8	264	41	3.2	0
27/12/2022 06:00	1.9	290	43	3.6	0
27/12/2022 06:10	1.7	270	47	2.9	0
27/12/2022 06:20	2.1	258	32	3.6	0
27/12/2022 06:30	1.7	259	28	2.7	0
27/12/2022 06:40	2.1	250	25	3.4	0
27/12/2022 06:50	2.2	259	20	3.5	0
27/12/2022 07:00	2.7	246	19	4.3	0
27/12/2022 07:10	2.8	245	20	4.4	0
27/12/2022 07:20	2.7	243	18	4	0
27/12/2022 07:30	2.8	244	19	4	0
27/12/2022 07:40	3.1	249	19	4.3	0
27/12/2022 07:50	3.2	247	22	4.8	0
27/12/2022 08:00	3.3	243	21	4.7	0
27/12/2022 08:10	3	250	21	4.6	0
27/12/2022 08:20	3.2	244	20	4.7	0
27/12/2022 08:30	2.8	250	23	4	0
27/12/2022 08:40	2.6	241	28	4.1	0
27/12/2022 08:50	2.4	268	32	3.6	0
27/12/2022 09:00	2.1	307	41	3.2	0
27/12/2022 09:10	1.8	306	43	3.6	0
27/12/2022 09:20	2.1	346	38	3.2	0
27/12/2022 09:30	2.2	319	38	4.1	0
27/12/2022 09:40	1.9	324	31	3.6	0
27/12/2022 09:50	2.3	322	32	4.6	0
27/12/2022 10:00	2.7	323	32	4.6	0
27/12/2022 10:10	2.5	306	36	4.4	0
27/12/2022 10:20	2.6	321	35	4.8	0
27/12/2022 10:30	2.3	325	38	4.2	0
27/12/2022 10:40	2.8	319	28	4.8	0
27/12/2022 10:50	2.8	320	28	4.8	0
27/12/2022 11:00	2.7	312	39	4.7	0
27/12/2022 11:10	2.7	287	49	4.9	0
27/12/2022 11:20	2.7	287	42	4.8	0
27/12/2022 11:30	3	302	43	5.6	0
27/12/2022 11:40	2.8	282	39	5	0
27/12/2022 11:50	2.9	314	40	4.8	0
27/12/2022 12:00	2.8	288	43	4.4	0
27/12/2022 12:10	3.2	300	40	5.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/12/2022 12:20	2.8	310	41	4.9	0
27/12/2022 12:30	2.9	277	41	5.1	0
27/12/2022 12:40	2.7	277	47	5.2	0
27/12/2022 12:50	3.1	306	34	5.1	0
27/12/2022 13:00	2.9	315	40	4.9	0
27/12/2022 13:10	3	315	36	5.8	0
27/12/2022 13:20	3	325	35	5.6	0
27/12/2022 13:30	2.9	301	44	5.2	0
27/12/2022 13:40	2.7	280	42	4.3	0
27/12/2022 13:50	3	288	34	5.5	0
27/12/2022 14:00	3.5	322	26	5.9	0
27/12/2022 14:10	3.4	317	33	5.9	0
27/12/2022 14:20	4	323	25	5.8	0
27/12/2022 14:30	3.5	316	29	6	0
27/12/2022 14:40	3.4	317	25	5.1	0
27/12/2022 14:50	2.8	303	45	5.2	0
27/12/2022 15:00	3.5	316	31	6	0
27/12/2022 15:10	2.8	308	48	4.7	0
27/12/2022 15:20	3.3	310	45	5.2	0
27/12/2022 15:30	3.4	327	31	5.6	0
27/12/2022 15:40	3.8	320	26	6.2	0
27/12/2022 15:50	4.2	319	24	6.6	0
27/12/2022 16:00	4.6	318	24	6.9	0
27/12/2022 16:10	3.9	324	27	6.9	0
27/12/2022 16:20	3.9	320	24	6.4	0
27/12/2022 16:30	3.9	324	28	6.4	0
27/12/2022 16:40	4	325	27	7.1	0
27/12/2022 16:50	4.5	323	22	6.8	0
27/12/2022 17:00	4.5	324	24	6.9	0
27/12/2022 17:10	4.7	335	21	7	0
27/12/2022 17:20	4	333	27	6.4	0
27/12/2022 17:30	4.2	328	26	7.2	0
27/12/2022 17:40	4.2	326	25	7.1	0
27/12/2022 17:50	4.1	332	26	6.4	0
27/12/2022 18:00	4.4	319	25	6.8	0
27/12/2022 18:10	3.7	330	31	6.5	0
27/12/2022 18:20	3.8	326	26	6.4	0
27/12/2022 18:30	4.3	328	26	7	0
27/12/2022 18:40	3.6	327	31	6.4	0
27/12/2022 18:50	3.7	331	26	5.9	0
27/12/2022 19:00	3.2	319	35	5.9	0
27/12/2022 19:10	3.2	211	28	5.1	0
27/12/2022 19:20	3.3	231	20	4.8	0
27/12/2022 19:30	2.4	256	23	4.2	0
27/12/2022 19:40	2.8	225	19	3.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/12/2022 19:50	2.7	255	17	3.8	0
27/12/2022 20:00	2.2	273	23	3.4	0
27/12/2022 20:10	2.2	272	34	3.4	0
27/12/2022 20:20	2.1	278	38	4	0
27/12/2022 20:30	2.2	263	27	3.8	0
27/12/2022 20:40	2.8	259	24	4.3	0
27/12/2022 20:50	2	271	37	3.6	0
27/12/2022 21:00	2.1	273	32	3.4	0
27/12/2022 21:10	2.2	281	32	3.7	0
27/12/2022 21:20	1.9	282	37	3.5	0
27/12/2022 21:30	1.8	296	40	3	0
27/12/2022 21:40	2.3	299	41	4.3	0
27/12/2022 21:50	1.9	272	36	3.4	0
27/12/2022 22:00	2.3	258	29	3.3	0
27/12/2022 22:10	2	269	29	3.2	0
27/12/2022 22:20	1.9	289	31	3.4	0
27/12/2022 22:30	2.1	301	50	4.2	0
27/12/2022 22:40	2.5	260	26	4.3	0
27/12/2022 22:50	2	295	40	4	0
27/12/2022 23:00	2	262	25	3.1	0
27/12/2022 23:10	1.9	279	40	3	0
27/12/2022 23:20	2	268	39	3.4	0
27/12/2022 23:30	1.7	279	46	3.2	0
27/12/2022 23:40	1.6	272	38	2.8	0
27/12/2022 23:50	1.7	282	47	3.5	0
28/12/2022 00:00	1.9	306	36	3.5	0
28/12/2022 00:10	2	307	41	4.1	0
28/12/2022 00:20	1.7	307	38	2.8	0
28/12/2022 00:30	1.6	284	41	2.8	0
28/12/2022 00:40	1.4	282	42	2.9	0
28/12/2022 00:50	2.4	256	19	3.8	0
28/12/2022 01:00	2.1	265	25	3.6	0
28/12/2022 01:10	2.3	263	29	3.5	0
28/12/2022 01:20	2.3	280	34	4.4	0
28/12/2022 01:30	2.2	274	39	3.9	0
28/12/2022 01:40	2.1	285	46	4	0
28/12/2022 01:50	2.3	280	39	4.4	0
28/12/2022 02:00	2.5	268	30	4.4	0
28/12/2022 02:10	2.7	262	25	4	0
28/12/2022 02:20	2.6	257	21	4	0
28/12/2022 02:30	2.4	258	16	3.6	0
28/12/2022 02:40	2.9	256	17	4.3	0
28/12/2022 02:50	2.9	249	14	4.6	0
28/12/2022 03:00	3	259	17	4.4	0
28/12/2022 03:10	2.7	256	16	4.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/12/2022 03:20	2.5	261	18	3.9	0
28/12/2022 03:30	2.6	263	22	4	0
28/12/2022 03:40	3.2	248	13	4.5	0
28/12/2022 03:50	3	246	15	3.9	0
28/12/2022 04:00	3	251	14	4.7	0
28/12/2022 04:10	3.5	249	16	4.7	0
28/12/2022 04:20	2.2	244	23	3.5	0
28/12/2022 04:30	2.7	246	17	4	0
28/12/2022 04:40	2	174	33	3.4	0
28/12/2022 04:50	0.8	36	25	1.3	0
28/12/2022 05:00	1.6	44	14	2.5	0
28/12/2022 05:10	1.6	47	18	2.8	0
28/12/2022 05:20	1.7	48	19	2.5	0
28/12/2022 05:30	1.8	42	17	2.9	0
28/12/2022 05:40	1.4	52	17	2.4	0
28/12/2022 05:50	1.2	36	26	1.9	0
28/12/2022 06:00	1.6	32	24	2.7	0
28/12/2022 06:10	1.9	18	26	3.3	0
28/12/2022 06:20	1.8	23	28	3.1	0
28/12/2022 06:30	1.9	20	29	3.6	0
28/12/2022 06:40	1.5	191	48	3.2	0
28/12/2022 06:50	1.7	331	34	3.2	0
28/12/2022 07:00	2.4	322	21	4	0
28/12/2022 07:10	1.7	318	33	3.9	0
28/12/2022 07:20	1.3	174	35	2.4	0
28/12/2022 07:30	1.4	181	33	2.2	0
28/12/2022 07:40	1.4	30	30	2.4	0
28/12/2022 07:50	1.3	164	33	2.3	0
28/12/2022 08:00	1.1	167	55	1.6	0
28/12/2022 08:10	1.3	162	32	2.2	0
28/12/2022 08:20	1.3	309	36	2	0
28/12/2022 08:30	1.4	328	37	2.7	0
28/12/2022 08:40	1.2	230	51	2	0
28/12/2022 08:50	1.2	306	44	2.2	0
28/12/2022 09:00	1.3	339	68	3.2	0
28/12/2022 09:10	1.8	279	53	2.8	0
28/12/2022 09:20	2.2	233	27	3.5	0
28/12/2022 09:30	1.8	248	43	3	0
28/12/2022 09:40	1.8	285	33	3	0
28/12/2022 09:50	2.2	231	31	3.6	0
28/12/2022 10:00	2.5	250	27	4	0
28/12/2022 10:10	2.1	242	35	3.6	0
28/12/2022 10:20	2.1	252	46	3.7	0
28/12/2022 10:30	2.2	251	44	3.9	0
28/12/2022 10:40	2.4	247	35	4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/12/2022 10:50	2.5	287	42	4.8	0
28/12/2022 11:00	2.2	277	34	3.5	0
28/12/2022 11:10	1.7	156	34	2.5	0
28/12/2022 11:20	1.6	333	85	2.8	0
28/12/2022 11:30	2.2	305	42	3.9	0
28/12/2022 11:40	2.9	326	20	4.2	0
28/12/2022 11:50	2.6	311	34	4.4	0
28/12/2022 12:00	2.8	329	31	4	0
28/12/2022 12:10	2.8	323	25	4.7	0
28/12/2022 12:20	3	320	20	4.3	0
28/12/2022 12:30	3	329	25	4.6	0
28/12/2022 12:40	3.3	327	26	4.9	0
28/12/2022 12:50	3.4	319	21	5.1	0
28/12/2022 13:00	3.5	327	23	5.3	0
28/12/2022 13:10	3.3	328	26	5.6	0
28/12/2022 13:20	3.3	324	26	6	0
28/12/2022 13:30	3.6	328	27	5.4	0
28/12/2022 13:40	3.6	327	22	6.3	0
28/12/2022 13:50	3.4	319	26	5.9	0
28/12/2022 14:00	3.5	334	28	6.1	0
28/12/2022 14:10	3.5	329	30	5.5	0
28/12/2022 14:20	3.7	336	31	5.8	0
28/12/2022 14:30	3.5	352	30	6	0
28/12/2022 14:40	4	341	24	6.5	0
28/12/2022 14:50	3.8	340	25	5.8	0
28/12/2022 15:00	4	331	22	6	0
28/12/2022 15:10	3.7	325	33	5.7	0
28/12/2022 15:20	3.9	326	26	6.4	0
28/12/2022 15:30	4	330	26	6.4	0
28/12/2022 15:40	3.7	331	27	6.3	0
28/12/2022 15:50	4	330	25	6.4	0
28/12/2022 16:00	4.4	321	21	6.5	0
28/12/2022 16:10	3.9	332	29	6.4	0
28/12/2022 16:20	3.9	321	24	6.6	0
28/12/2022 16:30	3.5	320	27	6	0
28/12/2022 16:40	2.8	307	42	4.9	0
28/12/2022 16:50	3.2	277	39	5.5	0
28/12/2022 17:00	2.4	300	45	4.2	0
28/12/2022 17:10	2.4	298	40	4.6	0
28/12/2022 17:20	3.3	273	32	5.1	0
28/12/2022 17:30	3.5	254	17	4.8	0
28/12/2022 17:40	3.7	257	18	5.4	0
28/12/2022 17:50	4.7	247	16	6.5	0
28/12/2022 18:00	4.7	246	14	6.4	0
28/12/2022 18:10	4.1	249	15	5.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/12/2022 18:20	3.7	256	17	5.2	0
28/12/2022 18:30	3.4	252	16	4.9	0
28/12/2022 18:40	2.4	274	29	3.6	0
28/12/2022 18:50	2.4	268	27	4.1	0
28/12/2022 19:00	2.4	264	29	4	0
28/12/2022 19:10	1.9	284	45	3.3	0
28/12/2022 19:20	2	297	45	3.6	0
28/12/2022 19:30	1.5	226	41	2.8	0
28/12/2022 19:40	1.1	130	27	1.8	0
28/12/2022 19:50	1.6	135	27	2.9	0
28/12/2022 20:00	1.7	142	29	2.8	0
28/12/2022 20:10	2.6	125	29	5.4	0
28/12/2022 20:20	2.8	127	28	5	0
28/12/2022 20:30	2.3	126	30	3.7	0
28/12/2022 20:40	1.6	125	33	3	0
28/12/2022 20:50	1.5	124	28	2.6	0
28/12/2022 21:00	1	97	29	1.7	0
28/12/2022 21:10	1	133	27	1.6	0
28/12/2022 21:20	1.1	137	31	2	0
28/12/2022 21:30	0.8	165	26	1.6	0
28/12/2022 21:40	0.8	128	23	1.5	0
28/12/2022 21:50	0.8	103	22	1.5	0
28/12/2022 22:00	1	90	19	1.6	0
28/12/2022 22:10	1.2	82	17	2	0
28/12/2022 22:20	1.1	89	20	1.9	0
28/12/2022 22:30	0.5	86	14	1.1	0
28/12/2022 22:40	0.7	49	18	1.2	0
28/12/2022 22:50	0.4	91	40	0.9	0
28/12/2022 23:00	1.1	225	14	1.5	0
28/12/2022 23:10	0.3	275	13	0.8	0
28/12/2022 23:20	1.1	247	14	1.6	0
28/12/2022 23:30	1.5	264	15	2.4	0
28/12/2022 23:40	1.5	279	19	2.4	0
28/12/2022 23:50	1.8	279	16	2.4	0
29/12/2022 00:00	1.1	326	16	1.6	0
29/12/2022 00:10	0.3	98	12	0.8	0
29/12/2022 00:20	0.8	193	25	1.9	0
29/12/2022 00:30	2.1	347	27	3.3	0
29/12/2022 00:40	2	324	21	3	0
29/12/2022 00:50	1.6	288	38	2.8	0
29/12/2022 01:00	1.3	272	51	2.2	0
29/12/2022 01:10	1.3	268	33	2.2	0
29/12/2022 01:20	2.3	249	17	3.3	0
29/12/2022 01:30	2.7	259	17	4.2	0
29/12/2022 01:40	4	255	15	6	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/12/2022 01:50	3.3	255	15	4.8	0
29/12/2022 02:00	3.4	257	15	4.9	0
29/12/2022 02:10	3.9	244	16	5.5	0
29/12/2022 02:20	4	241	16	6	0
29/12/2022 02:30	2.6	237	17	3.8	0
29/12/2022 02:40	2.6	244	18	3.8	0
29/12/2022 02:50	2.8	229	19	4.2	0
29/12/2022 03:00	3.1	230	18	4.8	0
29/12/2022 03:10	2.8	230	16	3.9	0
29/12/2022 03:20	2.2	230	19	3.3	0
29/12/2022 03:30	2.4	228	21	3.5	0
29/12/2022 03:40	2.2	229	16	3.3	0
29/12/2022 03:50	2.4	247	15	3.6	0
29/12/2022 04:00	2.3	256	14	3.7	0
29/12/2022 04:10	2.2	263	15	3.2	0
29/12/2022 04:20	2	266	16	3.1	0
29/12/2022 04:30	1.9	270	17	2.8	0
29/12/2022 04:40	2.3	262	15	3.4	0
29/12/2022 04:50	2.5	256	14	3.8	0
29/12/2022 05:00	2.2	262	18	3.2	0
29/12/2022 05:10	2.4	258	13	3.4	0
29/12/2022 05:20	2.8	255	14	3.9	0
29/12/2022 05:30	2.7	258	14	3.8	0
29/12/2022 05:40	3	260	13	4	0
29/12/2022 05:50	3	258	15	4.2	0
29/12/2022 06:00	3.2	261	16	4.4	0
29/12/2022 06:10	3.2	255	15	4.4	0
29/12/2022 06:20	3.2	262	15	4.8	0
29/12/2022 06:30	2.7	257	17	4	0
29/12/2022 06:40	3.2	260	16	4.4	0
29/12/2022 06:50	3.2	251	15	4.5	0
29/12/2022 07:00	3.1	257	16	4.5	0
29/12/2022 07:10	2.9	261	18	4	0
29/12/2022 07:20	3.1	249	16	4.5	0
29/12/2022 07:30	2.7	252	17	3.8	0
29/12/2022 07:40	2.5	259	22	3.6	0
29/12/2022 07:50	2.7	253	14	3.6	0
29/12/2022 08:00	2.5	257	15	3.7	0
29/12/2022 08:10	2.2	261	18	3.1	0
29/12/2022 08:20	2.2	255	19	3.4	0
29/12/2022 08:30	2.2	252	18	3.2	0
29/12/2022 08:40	2.1	266	17	3	0
29/12/2022 08:50	2.1	256	21	3	0
29/12/2022 09:00	2	255	17	2.8	0
29/12/2022 09:10	1.8	268	23	2.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/12/2022 09:20	1.8	239	22	2.8	0
29/12/2022 09:30	1.2	184	36	2	0
29/12/2022 09:40	1.1	140	63	2	0
29/12/2022 09:50	0.9	130	43	1.5	0
29/12/2022 10:00	1.1	101	46	1.9	0
29/12/2022 10:10	1.4	127	44	2.5	0
29/12/2022 10:20	1.4	128	34	2.4	0
29/12/2022 10:30	1.6	72	34	3	0
29/12/2022 10:40	1.8	83	30	3	0
29/12/2022 10:50	1.8	72	31	3.2	0
29/12/2022 11:00	2	63	29	3	0
29/12/2022 11:10	2.2	60	24	4.4	0
29/12/2022 11:20	2.3	54	23	4.1	0
29/12/2022 11:30	2.3	67	28	3.9	0
29/12/2022 11:40	2.1	81	22	3.7	0
29/12/2022 11:50	2.3	99	24	4	0
29/12/2022 12:00	2.1	71	34	3.8	0
29/12/2022 12:10	2.5	49	22	4	0
29/12/2022 12:20	2.5	64	26	4	0
29/12/2022 12:30	2	81	34	3.4	0
29/12/2022 12:40	1.7	54	50	3.6	0
29/12/2022 12:50	1.5	64	39	2.6	0
29/12/2022 13:00	1.5	44	48	3.1	0
29/12/2022 13:10	1.7	65	63	2.7	0
29/12/2022 13:20	1.7	19	51	3.1	0
29/12/2022 13:30	1.4	296	50	2.6	0
29/12/2022 13:40	1.3	184	68	2.4	0
29/12/2022 13:50	2.2	322	37	3.7	0
29/12/2022 14:00	2.2	328	31	3.5	0
29/12/2022 14:10	2.6	309	46	4.4	0
29/12/2022 14:20	3	316	24	4.4	0
29/12/2022 14:30	3	328	23	5	0
29/12/2022 14:40	2.4	314	37	4.4	0
29/12/2022 14:50	3.1	327	24	4.7	0
29/12/2022 15:00	2.9	327	22	4.3	0
29/12/2022 15:10	2.6	325	27	4.2	0
29/12/2022 15:20	3.2	330	24	5.2	0
29/12/2022 15:30	3.1	323	24	4.8	0
29/12/2022 15:40	2.7	329	33	4.4	0
29/12/2022 15:50	3.2	320	30	4.8	0
29/12/2022 16:00	3.1	328	24	4.8	0
29/12/2022 16:10	2.8	327	35	4.6	0
29/12/2022 16:20	3.1	335	26	5.2	0
29/12/2022 16:30	3.1	331	27	5	0
29/12/2022 16:40	2.9	328	28	4.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/12/2022 16:50	2.9	323	28	4.8	0
29/12/2022 17:00	2.9	319	28	4.7	0
29/12/2022 17:10	2.9	315	30	4.8	0
29/12/2022 17:20	3.2	318	26	5.6	0
29/12/2022 17:30	2.4	283	36	4	0
29/12/2022 17:40	2.9	267	25	4.3	0
29/12/2022 17:50	3.4	254	18	5.1	0
29/12/2022 18:00	3.5	255	19	5.2	0
29/12/2022 18:10	3.4	260	17	5.1	0
29/12/2022 18:20	3.2	254	16	4.8	0
29/12/2022 18:30	2.9	263	24	4.8	0
29/12/2022 18:40	3.2	258	18	4.5	0
29/12/2022 18:50	2.7	265	24	4.3	0
29/12/2022 19:00	2.8	263	19	4.3	0
29/12/2022 19:10	3.7	251	14	5.3	0
29/12/2022 19:20	4.3	250	14	6	0
29/12/2022 19:30	4.9	248	17	7.5	0
29/12/2022 19:40	5.6	253	17	8.3	0
29/12/2022 19:50	4.6	254	15	6.5	0
29/12/2022 20:00	4.1	249	16	6.5	0
29/12/2022 20:10	4.2	253	17	6.2	0
29/12/2022 20:20	5	251	14	7.2	0
29/12/2022 20:30	4.2	255	15	6	0
29/12/2022 20:40	4.1	250	15	5.4	0
29/12/2022 20:50	4.3	253	18	6.8	0
29/12/2022 21:00	4.4	252	16	6.4	0
29/12/2022 21:10	3.7	247	17	5.7	0
29/12/2022 21:20	4.2	249	20	6.1	0
29/12/2022 21:30	3.5	251	20	5.7	0
29/12/2022 21:40	3.7	254	16	5.7	0
29/12/2022 21:50	3.7	249	18	5.3	0
29/12/2022 22:00	3.2	250	17	5	0
29/12/2022 22:10	3	245	18	4.6	0
29/12/2022 22:20	2.9	250	18	4.1	0
29/12/2022 22:30	3.2	241	19	5.4	0
29/12/2022 22:40	3.3	245	17	5.2	0
29/12/2022 22:50	3.1	257	16	4.6	0
29/12/2022 23:00	2.7	249	19	4	0
29/12/2022 23:10	2.8	250	14	4	0
29/12/2022 23:20	3	256	16	4.2	0
29/12/2022 23:30	3.2	255	14	4.8	0
29/12/2022 23:40	3.4	257	16	4.6	0
29/12/2022 23:50	2.9	250	15	4.2	0
30/12/2022 00:00	2.6	254	15	3.8	0
30/12/2022 00:10	3.1	257	14	4.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/12/2022 00:20	3.1	260	15	4.4	0
30/12/2022 00:30	3.1	264	17	5.1	0
30/12/2022 00:40	3.2	263	16	4.6	0
30/12/2022 00:50	3.2	258	16	4.5	0
30/12/2022 01:00	3.5	264	15	5.1	0
30/12/2022 01:10	3.8	262	14	5.4	0
30/12/2022 01:20	3.7	260	17	5.4	0
30/12/2022 01:30	4	261	15	5.4	0
30/12/2022 01:40	4	259	15	5.5	0
30/12/2022 01:50	4.1	264	16	6.1	0
30/12/2022 02:00	4.4	264	15	6.3	0
30/12/2022 02:10	3.8	256	15	5.7	0
30/12/2022 02:20	3.8	260	14	5.5	0
30/12/2022 02:30	3.9	252	16	5.6	0
30/12/2022 02:40	3.8	248	21	6.4	0
30/12/2022 02:50	4.3	250	18	6.8	0
30/12/2022 03:00	3.6	251	18	5.4	0
30/12/2022 03:10	3.9	250	18	5.9	0
30/12/2022 03:20	3.5	257	18	5.7	0
30/12/2022 03:30	3.8	252	17	6	0
30/12/2022 03:40	3.9	254	17	6	0
30/12/2022 03:50	3.8	253	17	5.6	0
30/12/2022 04:00	3.3	251	21	5.2	0
30/12/2022 04:10	3.5	248	18	5.4	0
30/12/2022 04:20	3.5	255	15	5.2	0
30/12/2022 04:30	3.1	253	21	4.8	0
30/12/2022 04:40	3.4	250	20	4.8	0
30/12/2022 04:50	3.4	251	19	5.2	0
30/12/2022 05:00	2.9	249	20	4.8	0
30/12/2022 05:10	3	252	16	4.4	0
30/12/2022 05:20	3.2	258	18	5.2	0
30/12/2022 05:30	3.2	255	16	5	0
30/12/2022 05:40	2.9	256	18	4.5	0
30/12/2022 05:50	2.8	259	17	4	0
30/12/2022 06:00	3.3	260	14	4.5	0
30/12/2022 06:10	3.6	257	13	4.8	0
30/12/2022 06:20	3.6	260	14	5	0
30/12/2022 06:30	3.8	259	16	5.6	0
30/12/2022 06:40	3.3	260	14	4.7	0
30/12/2022 06:50	3.8	258	13	5.2	0
30/12/2022 07:00	3.5	257	13	4.9	0
30/12/2022 07:10	3.6	260	13	4.8	0
30/12/2022 07:20	3.7	258	14	5.2	0
30/12/2022 07:30	3.9	257	15	5.5	0
30/12/2022 07:40	4.4	261	13	5.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/12/2022 07:50	4	256	12	5.6	0
30/12/2022 08:00	3.9	256	16	5.6	0
30/12/2022 08:10	3.8	253	16	5.3	0
30/12/2022 08:20	3.9	258	16	5.2	0
30/12/2022 08:30	3.1	250	20	4.4	0
30/12/2022 08:40	3.3	256	20	4.8	0
30/12/2022 08:50	3.4	259	16	4.8	0
30/12/2022 09:00	3.5	257	17	4.8	0
30/12/2022 09:10	3	257	15	4.6	0
30/12/2022 09:20	2.8	263	19	4.2	0
30/12/2022 09:30	2.5	215	28	4	0
30/12/2022 09:40	2.1	162	35	4.2	0
30/12/2022 09:50	2	170	47	4	0
30/12/2022 10:00	1.8	120	41	3.2	0
30/12/2022 10:10	1.5	136	43	2.6	0
30/12/2022 10:20	1.5	121	64	2.9	0
30/12/2022 10:30	1.9	84	35	3.6	0
30/12/2022 10:40	2.3	75	24	3.7	0
30/12/2022 10:50	2.4	73	31	4	0
30/12/2022 11:00	2.8	58	25	4.8	0
30/12/2022 11:10	2.6	60	23	4.1	0
30/12/2022 11:20	2.3	63	24	4.1	0
30/12/2022 11:30	2.7	68	27	4.8	0
30/12/2022 11:40	2.7	72	25	4	0
30/12/2022 11:50	2.6	57	30	4.2	0
30/12/2022 12:00	2.9	55	28	4.7	0
30/12/2022 12:10	2.7	62	26	4	0
30/12/2022 12:20	3.1	70	20	5	0
30/12/2022 12:30	3.1	63	22	4.7	0
30/12/2022 12:40	3	214	35	5.4	0
30/12/2022 12:50	2.4	14	33	4.2	0
30/12/2022 13:00	2.3	308	36	4.1	0
30/12/2022 13:10	2	338	38	3.5	0
30/12/2022 13:20	2	341	42	3.6	0
30/12/2022 13:30	1.9	335	38	3.4	0
30/12/2022 13:40	2.7	324	26	4.5	0
30/12/2022 13:50	2.4	336	33	3.8	0
30/12/2022 14:00	3	310	32	4.7	0
30/12/2022 14:10	3.3	317	23	5.2	0
30/12/2022 14:20	3	319	39	5.2	0
30/12/2022 14:30	3.4	327	31	4.9	0
30/12/2022 14:40	3.4	279	39	5.6	0
30/12/2022 14:50	3.9	262	26	6.9	0
30/12/2022 15:00	3.9	259	20	6	0
30/12/2022 15:10	4.2	247	18	6.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/12/2022 15:20	3.3	271	36	5.3	0
30/12/2022 15:30	3.1	267	32	5.2	0
30/12/2022 15:40	3.2	278	34	4.8	0
30/12/2022 15:50	3.2	273	39	5	0
30/12/2022 16:00	3.5	263	28	5.5	0
30/12/2022 16:10	3.2	269	31	6	0
30/12/2022 16:20	2.9	271	35	5.3	0
30/12/2022 16:30	3.7	265	31	5.9	0
30/12/2022 16:40	2.8	275	36	4.8	0
30/12/2022 16:50	3.6	255	18	5.6	0
30/12/2022 17:00	4.7	245	18	6.6	0
30/12/2022 17:10	3.8	255	21	5.5	0
30/12/2022 17:20	4.1	247	21	6.4	0
30/12/2022 17:30	3.6	242	18	5.8	0
30/12/2022 17:40	3.3	251	19	4.9	0
30/12/2022 17:50	3.5	255	21	5.3	0
30/12/2022 18:00	2.9	259	29	4.8	0
30/12/2022 18:10	2.9	267	31	5.2	0
30/12/2022 18:20	2.9	271	32	5	0
30/12/2022 18:30	2.6	256	24	4.5	0
30/12/2022 18:40	2.3	270	37	4	0
30/12/2022 18:50	2.2	265	33	3.8	0
30/12/2022 19:00	3	258	26	4.4	0
30/12/2022 19:10	3.1	254	20	4.9	0
30/12/2022 19:20	2.6	276	24	4	0
30/12/2022 19:30	2.8	258	19	4.1	0
30/12/2022 19:40	2.9	254	21	4.3	0
30/12/2022 19:50	3.7	251	14	5.2	0
30/12/2022 20:00	3.1	255	16	4.4	0
30/12/2022 20:10	3.8	258	17	5.6	0
30/12/2022 20:20	3.7	256	18	5.6	0
30/12/2022 20:30	3.9	260	17	5.7	0
30/12/2022 20:40	4.1	256	17	5.9	0
30/12/2022 20:50	3.7	258	17	5.6	0
30/12/2022 21:00	3.4	261	19	4.8	0
30/12/2022 21:10	3.4	263	21	5.3	0
30/12/2022 21:20	3.2	263	19	5.1	0
30/12/2022 21:30	4.9	256	17	7.3	0
30/12/2022 21:40	4.7	255	16	6.6	0
30/12/2022 21:50	4.1	263	20	6.7	0
30/12/2022 22:00	3.7	260	20	6.6	0
30/12/2022 22:10	3.1	264	23	5.1	0
30/12/2022 22:20	2.8	264	23	4.7	0
30/12/2022 22:30	2.7	263	24	4.3	0
30/12/2022 22:40	2.7	262	27	4.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/12/2022 22:50	2.7	258	22	4.7	0
30/12/2022 23:00	2.4	268	30	4.8	0
30/12/2022 23:10	2.4	271	31	4	0
30/12/2022 23:20	2.4	266	38	4.2	0
30/12/2022 23:30	2.5	287	36	4.7	0
30/12/2022 23:40	2.1	287	37	4	0
30/12/2022 23:50	2.6	302	39	4.9	0
31/12/2022 00:00	2.7	312	38	4.7	0
31/12/2022 00:10	2.9	317	30	5	0
31/12/2022 00:20	2.8	315	32	4.8	0
31/12/2022 00:30	2.3	314	40	4.4	0
31/12/2022 00:40	2.8	308	42	5.1	0
31/12/2022 00:50	2.7	308	41	5.2	0
31/12/2022 01:00	2.3	303	41	4.1	0
31/12/2022 01:10	2.7	301	40	5	0
31/12/2022 01:20	2.4	281	43	3.8	0
31/12/2022 01:30	2.6	281	36	4.7	0
31/12/2022 01:40	2.6	277	37	4.8	0
31/12/2022 01:50	2.2	275	35	4.2	0
31/12/2022 02:00	2.2	276	37	4	0
31/12/2022 02:10	2	278	37	3.9	0
31/12/2022 02:20	2.2	277	35	4.3	0
31/12/2022 02:30	2.2	265	30	3.6	0
31/12/2022 02:40	2.3	275	36	4.3	0
31/12/2022 02:50	2.2	264	29	3.5	0
31/12/2022 03:00	2.1	272	29	3.6	0
31/12/2022 03:10	1.6	276	32	3.2	0
31/12/2022 03:20	2	262	22	3.2	0
31/12/2022 03:30	1.5	274	27	2.4	0
31/12/2022 03:40	1.8	272	27	2.8	0
31/12/2022 03:50	2.3	265	20	3.4	0
31/12/2022 04:00	1.8	281	22	3	0
31/12/2022 04:10	1.5	281	28	2.6	0
31/12/2022 04:20	1.7	273	27	2.8	0
31/12/2022 04:30	1.7	269	25	2.8	0
31/12/2022 04:40	1.6	262	18	2.5	0
31/12/2022 04:50	1.2	269	30	2	0
31/12/2022 05:00	0.7	294	30	1.2	0
31/12/2022 05:10	0.9	297	21	1.4	0
31/12/2022 05:20	0.7	163	23	1.2	0
31/12/2022 05:30	0.8	290	27	1.2	0
31/12/2022 05:40	0.3	236	17	0.7	0
31/12/2022 05:50					0
31/12/2022 06:00					0
31/12/2022 06:10					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/12/2022 06:20	0.5	148	17	1.9	0
31/12/2022 06:30	0.9	145	24	2	0
31/12/2022 06:40	1.7	139	27	3	0
31/12/2022 06:50	1.8	137	28	3.2	0
31/12/2022 07:00	2.2	129	26	3.7	0
31/12/2022 07:10	2.1	137	29	3.6	0
31/12/2022 07:20	2.4	132	27	4	0
31/12/2022 07:30	2.3	117	32	3.7	0
31/12/2022 07:40	2	120	30	3.5	0
31/12/2022 07:50	2.3	121	31	3.6	0
31/12/2022 08:00	2.4	121	24	4	0
31/12/2022 08:10	2.2	118	29	3.8	0
31/12/2022 08:20	2.4	117	29	4	0
31/12/2022 08:30	2.3	111	29	3.7	0
31/12/2022 08:40	2.1	114	29	3.6	0
31/12/2022 08:50	2.2	104	28	3.8	0
31/12/2022 09:00	2.4	99	25	3.8	0
31/12/2022 09:10	2.4	102	24	4	0
31/12/2022 09:20	2.5	93	23	4	0
31/12/2022 09:30	2.6	88	25	3.9	0
31/12/2022 09:40	2.7	80	22	4	0
31/12/2022 09:50	2.9	72	23	4.5	0
31/12/2022 10:00	3.4	68	23	5.4	0
31/12/2022 10:10	3.6	71	21	5.9	0
31/12/2022 10:20	3.7	64	21	6	0
31/12/2022 10:30	3.6	62	22	5.6	0
31/12/2022 10:40	3.8	61	22	6.2	0
31/12/2022 10:50	3.9	63	19	5.6	0
31/12/2022 11:00	4	61	21	6.2	0
31/12/2022 11:10	4.1	62	22	6.2	0
31/12/2022 11:20	3.9	65	22	6.1	0
31/12/2022 11:30	3.8	65	22	6	0
31/12/2022 11:40	3.6	71	19	5.9	0
31/12/2022 11:50	4.3	59	21	6.6	0
31/12/2022 12:00	4.4	56	23	6.6	0
31/12/2022 12:10	4.1	57	21	6.6	0
31/12/2022 12:20	3.7	62	20	5.6	0
31/12/2022 12:30	3.5	63	22	5.5	0
31/12/2022 12:40	3.5	60	21	5.2	0
31/12/2022 12:50	3.3	64	23	5.1	0
31/12/2022 13:00	3.5	57	18	5.5	0
31/12/2022 13:10	3.4	64	19	5.3	0
31/12/2022 13:20	3.4	62	23	4.8	0
31/12/2022 13:30	3.7	59	20	5.6	0
31/12/2022 13:40	3.6	58	21	5.7	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/12/2022 13:50	3.5	57	19	6.4	0
31/12/2022 14:00	3.9	51	21	6.3	0
31/12/2022 14:10	4.5	54	19	6.8	0
31/12/2022 14:20	3.7	57	22	6.4	0
31/12/2022 14:30	3.5	54	20	6	0
31/12/2022 14:40	3.5	64	19	5.1	0
31/12/2022 14:50	4.1	44	21	6.1	0
31/12/2022 15:00	3.2	26	29	5.2	0
31/12/2022 15:10	3.2	7	28	5.1	0
31/12/2022 15:20	3	14	32	4.6	0
31/12/2022 15:30	3	18	36	5.2	0
31/12/2022 15:40	3.3	188	32	5.2	0
31/12/2022 15:50	3	326	33	4.8	0
31/12/2022 16:00	3.6	334	30	6	0
31/12/2022 16:10	3.5	334	28	6.4	0
31/12/2022 16:20	3.1	173	38	5.5	0
31/12/2022 16:30	3.3	332	34	6.4	0
31/12/2022 16:40	3.7	324	28	6.5	0
31/12/2022 16:50	3.2	320	31	6.3	0
31/12/2022 17:00	3.6	313	28	5.6	0
31/12/2022 17:10	2.8	297	44	5.1	0
31/12/2022 17:20	3.1	306	45	5.3	0
31/12/2022 17:30	3	309	45	5.9	0
31/12/2022 17:40	3.5	326	27	6	0
31/12/2022 17:50	3.4	311	26	5.2	0
31/12/2022 18:00	3.5	321	25	5.7	0
31/12/2022 18:10	4	319	23	6.4	0
31/12/2022 18:20	3.4	317	34	5.6	0
31/12/2022 18:30	3	311	34	5.4	0
31/12/2022 18:40	2.9	311	33	4.8	0
31/12/2022 18:50	2.7	306	37	5.1	0
31/12/2022 19:00	2.1	275	41	3.9	0
31/12/2022 19:10	2	306	35	3.4	0
31/12/2022 19:20	2.1	303	42	4	0
31/12/2022 19:30	2	292	46	3.6	0
31/12/2022 19:40	1.9	285	44	3.6	0
31/12/2022 19:50	2.4	278	38	4	0
31/12/2022 20:00	2.7	259	29	4.7	0
31/12/2022 20:10	2.4	264	26	4	0
31/12/2022 20:20	2.4	268	24	3.9	0
31/12/2022 20:30	1.5	288	41	2.8	0
31/12/2022 20:40	1.8	280	31	3.2	0
31/12/2022 20:50	1.8	310	30	3.2	0
31/12/2022 21:00	1.8	332	33	3.7	0
31/12/2022 21:10	1.7	329	38	3.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/12/2022 21:20	1.9	329	46	3.9	0
31/12/2022 21:30	2.1	323	30	3.9	0
31/12/2022 21:40	1.7	317	33	3.7	0
31/12/2022 21:50	2.6	326	21	4.2	0
31/12/2022 22:00	2	327	34	3.9	0
31/12/2022 22:10	2.1	325	32	4.2	0
31/12/2022 22:20	2.2	318	28	4.4	0
31/12/2022 22:30	2.2	272	30	4.4	0
31/12/2022 22:40	3.6	262	17	6.1	0
31/12/2022 22:50	3.9	259	15	5.8	0
31/12/2022 23:00	4	259	15	6.7	0
31/12/2022 23:10	2.7	270	24	4.4	0
31/12/2022 23:20	2.7	271	27	4.5	0
31/12/2022 23:30	2.2	273	28	4.1	0
31/12/2022 23:40	2.6	270	20	4	0
31/12/2022 23:50	2	273	26	3.2	0
01/01/2023 00:00	2.2	265	25	3.3	0
01/01/2023 00:10	3.2	257	17	4.6	0
01/01/2023 00:20	3.2	253	16	4.8	0
01/01/2023 00:30	2.4	250	16	3.6	0
01/01/2023 00:40	1.9	247	18	3.1	0
01/01/2023 00:50	2.1	255	20	3.4	0
01/01/2023 01:00	3.3	241	22	5.6	0
01/01/2023 01:10	2.6	235	18	4.1	0
01/01/2023 01:20	3	230	19	4.8	0
01/01/2023 01:30	2.9	221	14	4.4	0
01/01/2023 01:40	3.2	218	16	4.8	0
01/01/2023 01:50	3.5	216	14	4.9	0
01/01/2023 02:00	3.4	210	16	5.6	0
01/01/2023 02:10	3.8	212	15	5.4	0
01/01/2023 02:20	3.3	215	13	4.7	0
01/01/2023 02:30	3.4	218	14	5.2	0
01/01/2023 02:40	3.2	219	15	4.7	0
01/01/2023 02:50	3.1	217	14	4.4	0
01/01/2023 03:00	3.4	221	17	5.2	0
01/01/2023 03:10	3.1	220	15	4.4	0
01/01/2023 03:20	3.2	220	16	4.4	0
01/01/2023 03:30	3.4	216	14	5.4	0
01/01/2023 03:40	3.6	229	16	5.6	0
01/01/2023 03:50	3.5	230	13	4.8	0
01/01/2023 04:00	2.9	231	18	4.7	0
01/01/2023 04:10	3.5	229	16	4.9	0
01/01/2023 04:20	3.4	231	17	5.2	0
01/01/2023 04:30	3.5	253	17	4.8	0
01/01/2023 04:40	3.3	256	17	4.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/01/2023 04:50	3.2	253	16	4.8	0
01/01/2023 05:00	3.2	262	16	4.6	0
01/01/2023 05:10	3.2	256	17	4.9	0
01/01/2023 05:20	3.8	247	15	5.2	0
01/01/2023 05:30	4.4	249	15	6	0
01/01/2023 05:40	4.4	250	15	6	0
01/01/2023 05:50	3.6	239	20	5.1	0
01/01/2023 06:00	3.4	226	18	5.2	0
01/01/2023 06:10	3.6	226	16	5.3	0
01/01/2023 06:20	3.6	226	14	5.3	0
01/01/2023 06:30	3.9	218	15	5.2	0
01/01/2023 06:40	4	222	15	5.6	0
01/01/2023 06:50	3.8	220	17	5.2	0
01/01/2023 07:00	3.9	218	16	5.2	0
01/01/2023 07:10	4	216	15	6.3	0
01/01/2023 07:20	4.5	209	16	6.5	0
01/01/2023 07:30	4.6	209	17	7.6	0
01/01/2023 07:40	4.9	211	14	6.8	0
01/01/2023 07:50	4.7	205	16	7.2	0
01/01/2023 08:00	5	205	15	6.7	0
01/01/2023 08:10	5.3	204	17	7.8	0
01/01/2023 08:20	5.1	204	16	7.2	0
01/01/2023 08:30	5.1	203	15	7.4	0
01/01/2023 08:40	5	199	19	7.5	0
01/01/2023 08:50	4.8	190	15	7.2	0
01/01/2023 09:00	5.3	190	18	7.2	0
01/01/2023 09:10	4.6	186	19	7.5	0
01/01/2023 09:20	4.7	195	21	7.3	0
01/01/2023 09:30	5	191	19	8.2	0
01/01/2023 09:40	4.7	190	19	7.5	0
01/01/2023 09:50	5.3	203	17	7.5	0
01/01/2023 10:00	5	204	17	7.3	0
01/01/2023 10:10	4.8	208	20	6.8	0
01/01/2023 10:20	5.4	219	19	7.6	0
01/01/2023 10:30	5.2	207	19	7.9	0
01/01/2023 10:40	5.3	215	20	7.2	0
01/01/2023 10:50	5.5	216	18	8.5	0
01/01/2023 11:00	4.8	236	19	7.5	0
01/01/2023 11:10	5.1	220	18	8	0
01/01/2023 11:20	5.2	221	21	7.9	0
01/01/2023 11:30	4.5	258	19	6.6	0
01/01/2023 11:40	4.8	254	18	6.6	0
01/01/2023 11:50	4.8	263	19	6.9	0
01/01/2023 12:00	5.3	253	17	7.5	0
01/01/2023 12:10	5.5	258	14	7.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/01/2023 12:20	5.2	257	16	7.3	0
01/01/2023 12:30	5.5	255	17	8.1	0
01/01/2023 12:40	5.9	255	16	8	0
01/01/2023 12:50	5.8	253	15	8.6	0
01/01/2023 13:00	6.3	249	15	8.5	0
01/01/2023 13:10	6.2	253	16	9.2	0
01/01/2023 13:20	6.4	246	18	9.1	0
01/01/2023 13:30	6.2	247	17	9.1	0
01/01/2023 13:40	6.7	246	18	9.6	0
01/01/2023 13:50	6.2	249	16	8.6	0
01/01/2023 14:00	6.3	249	20	9.1	0
01/01/2023 14:10	7.4	250	16	10.3	0
01/01/2023 14:20	6.6	250	17	10.1	0
01/01/2023 14:30	6.4	255	18	10.3	0
01/01/2023 14:40	6.3	254	18	9	0
01/01/2023 14:50	7	251	14	9.9	0
01/01/2023 15:00	7.6	252	16	11.4	0
01/01/2023 15:10	6.8	257	19	10.3	0
01/01/2023 15:20	7.4	251	15	10.8	0
01/01/2023 15:30	7.4	251	17	10.6	0
01/01/2023 15:40	7.7	252	14	11.4	0
01/01/2023 15:50	7	253	17	10.5	0
01/01/2023 16:00	6.6	253	17	9.8	0
01/01/2023 16:10	6.9	256	15	9.7	0
01/01/2023 16:20	7.5	251	17	10.7	0
01/01/2023 16:30	7.5	259	17	12	0
01/01/2023 16:40	6.7	257	17	9.5	0
01/01/2023 16:50	6.6	260	17	10.4	0
01/01/2023 17:00	6.7	259	15	10.2	0
01/01/2023 17:10	6.5	261	20	9.9	0
01/01/2023 17:20	6.9	256	17	10.1	0
01/01/2023 17:30	6.9	255	18	9.8	0
01/01/2023 17:40	7.9	254	14	12.3	0
01/01/2023 17:50	6.8	256	18	10.7	0
01/01/2023 18:00	6.7	255	16	9.9	0
01/01/2023 18:10	6.9	258	19	10	0
01/01/2023 18:20	6.1	258	20	10	0
01/01/2023 18:30	6.5	255	17	10.2	0
01/01/2023 18:40	7.2	255	15	10.2	0
01/01/2023 18:50	6.3	256	18	10.5	0
01/01/2023 19:00	6.8	256	18	10.7	0
01/01/2023 19:10	6	260	17	8.7	0
01/01/2023 19:20	6.7	253	18	9.6	0
01/01/2023 19:30	7.1	253	17	10.3	0
01/01/2023 19:40	7.4	250	16	11.4	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/01/2023 19:50	6.5	250	17	9.9	0
01/01/2023 20:00	6.2	253	16	8.8	0
01/01/2023 20:10	6.2	250	18	8.3	0
01/01/2023 20:20	6.9	252	17	9.5	0
01/01/2023 20:30	6.1	250	16	9.1	0
01/01/2023 20:40	6.5	253	15	10.2	0
01/01/2023 20:50	7	253	16	10.6	0
01/01/2023 21:00	6.6	255	17	10	0
01/01/2023 21:10	6.6	257	18	10.1	0
01/01/2023 21:20	7.2	254	18	9.9	0
01/01/2023 21:30	6.4	256	18	9.9	0
01/01/2023 21:40	7.1	256	16	10.4	0
01/01/2023 21:50	6.6	253	17	10.5	0
01/01/2023 22:00	6.6	256	18	9.8	0
01/01/2023 22:10	6.4	255	17	9.6	0
01/01/2023 22:20	6.4	255	16	10.4	0
01/01/2023 22:30	6.9	251	17	10.7	0
01/01/2023 22:40	6.4	251	17	9.6	0
01/01/2023 22:50	6	256	15	9	0
01/01/2023 23:00	7.4	255	15	10.8	0
01/01/2023 23:10	6.8	253	17	10.3	0
01/01/2023 23:20	6.5	250	15	9.5	0
01/01/2023 23:30	6.1	249	16	9.5	0
01/01/2023 23:40	7	256	16	9.7	0
01/01/2023 23:50	6.6	254	16	10.2	0
01/02/2023 00:00	5.8	253	18	8.9	0
01/02/2023 00:10	6.6	249	18	9.6	0
01/02/2023 00:20	6.5	246	17	9.5	0
01/02/2023 00:30	6.2	251	18	9.1	0
01/02/2023 00:40	5.2	245	17	8.7	0
01/02/2023 00:50	6.2	246	19	9.1	0
01/02/2023 01:00	6.4	248	17	9.9	0
01/02/2023 01:10	5.6	250	15	8.6	0
01/02/2023 01:20	5.8	248	18	9.1	0
01/02/2023 01:30	5.6	251	18	9	0
01/02/2023 01:40	5.4	248	21	8.4	0
01/02/2023 01:50	6.3	245	17	9.2	0
01/02/2023 02:00	5.8	243	16	8.7	0
01/02/2023 02:10	5	248	20	8.2	0
01/02/2023 02:20	5.9	238	16	9.1	0
01/02/2023 02:30	5.5	241	16	8.3	0
01/02/2023 02:40	5.9	244	17	9.1	0
01/02/2023 02:50	6.6	243	17	9.9	0
01/02/2023 03:00	5.7	242	20	8.7	0
01/02/2023 03:10	6.4	255	15	9.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/02/2023 03:20	6.8	247	17	10.7	0
01/02/2023 03:30	6.2	253	17	9.1	0
01/02/2023 03:40	5.6	245	18	8.5	0
01/02/2023 03:50	5.9	245	19	8.7	0
01/02/2023 04:00	6.5	257	17	10.5	0
01/02/2023 04:10	6.6	249	19	10.1	0
01/02/2023 04:20	6.8	255	18	10.2	0
01/02/2023 04:30	6.2	251	16	9.4	0
01/02/2023 04:40	6.6	254	20	9.1	0
01/02/2023 04:50	6.4	252	14	9.1	0
01/02/2023 05:00	6.8	253	16	10	0
01/02/2023 05:10	6.6	249	17	9.6	0
01/02/2023 05:20	5.5	242	19	8.3	0
01/02/2023 05:30	5.2	242	19	8	0
01/02/2023 05:40	5.4	248	18	8.3	0
01/02/2023 05:50	5.6	247	17	8.7	0
01/02/2023 06:00	5.5	243	14	7.7	0
01/02/2023 06:10	5.2	246	15	7.9	0
01/02/2023 06:20	4.3	254	18	8.2	0
01/02/2023 06:30	5	249	19	8.6	0
01/02/2023 06:40	4.3	247	17	7.7	0
01/02/2023 06:50	4.5	249	20	9.4	0
01/02/2023 07:00	3.7	251	19	7.8	0
01/02/2023 07:10	6.2	251	18	9	0
01/02/2023 07:20	6	242	16	8.7	0
01/02/2023 07:30	5.5	247	16	7.9	0
01/02/2023 07:40	2.1	243	14	6.8	0
01/02/2023 07:50	0.9	245	13	4.9	0
01/02/2023 08:00	1.2	241	11	6.7	0
01/02/2023 08:10	4.3	249	17	7.7	0
01/02/2023 08:20	5.8	246	17	7.5	0
01/02/2023 08:30	6.1	251	18	8.5	0
01/02/2023 08:40	5.8	254	18	8.4	0
01/02/2023 08:50	6.2	250	16	8.3	0
01/02/2023 09:00	5.4	250	17	7.3	0
01/02/2023 09:10	5.6	249	17	7.5	0
01/02/2023 09:20	5.4	242	19	7.7	0
01/02/2023 09:30	5.4	251	17	7.5	0
01/02/2023 09:40	5.5	248	17	7.9	0
01/02/2023 09:50	5.5	247	18	8.1	0
01/02/2023 10:00	5.8	251	17	7.9	0
01/02/2023 10:10	5.7	258	16	7.9	0
01/02/2023 10:20	5.2	259	17	7.9	0
01/02/2023 10:30	5.8	254	18	8.8	0
01/02/2023 10:40	6.1	253	17	8.7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/02/2023 10:50	5.7	255	15	8.8	0
01/02/2023 11:00	5.4	257	20	8.3	0
01/02/2023 11:10	6.1	254	15	8.7	0
01/02/2023 11:20	5.9	260	18	8.8	0
01/02/2023 11:30	6.4	254	16	9.3	0
01/02/2023 11:40	5.7	254	19	7.9	0
01/02/2023 11:50	6.1	257	19	9.4	0
01/02/2023 12:00	5.7	259	17	8.6	0
01/02/2023 12:10	6.1	256	16	8.6	0
01/02/2023 12:20	6.4	261	18	9.4	0
01/02/2023 12:30	6.1	261	17	8.4	0
01/02/2023 12:40	6	259	18	9.2	0
01/02/2023 12:50	6.6	259	17	9.8	0
01/02/2023 13:00	7	251	16	9.9	0
01/02/2023 13:10	6.4	255	16	8.9	0
01/02/2023 13:20	6.7	252	16	10	0
01/02/2023 13:30	6.4	255	17	9.1	0
01/02/2023 13:40	6.5	258	15	9.7	0
01/02/2023 13:50	7	254	17	10.4	0
01/02/2023 14:00	6.5	258	17	9.6	0
01/02/2023 14:10	6.8	257	16	10.1	0
01/02/2023 14:20	6.8	256	15	9.9	0
01/02/2023 14:30	6.1	256	18	8.7	0
01/02/2023 14:40	6.2	259	17	9.1	0
01/02/2023 14:50	6.3	260	19	10.1	0
01/02/2023 15:00	6.4	257	17	8.9	0
01/02/2023 15:10	6.6	255	16	10.1	0
01/02/2023 15:20	6.4	257	17	9.8	0
01/02/2023 15:30	6.2	257	17	9.1	0
01/02/2023 15:40	6.6	254	17	9.5	0
01/02/2023 15:50	6.1	258	20	8.8	0
01/02/2023 16:00	6.4	253	17	9.1	0
01/02/2023 16:10	6.2	259	19	9.4	0
01/02/2023 16:20	6.7	254	16	9.8	0
01/02/2023 16:30	6.8	250	16	9.5	0
01/02/2023 16:40	7	250	16	9.9	0
01/02/2023 16:50	6.5	251	15	9.2	0
01/02/2023 17:00	7.4	251	15	11	0
01/02/2023 17:10	7.3	253	13	10.2	0
01/02/2023 17:20	7.3	250	15	10.7	0
01/02/2023 17:30	6.1	256	16	9	0
01/02/2023 17:40	6.6	250	16	9.9	0
01/02/2023 17:50	7.1	253	15	9.9	0
01/02/2023 18:00	6.5	257	16	10	0
01/02/2023 18:10	6.9	252	17	9.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/02/2023 18:20	6.2	259	16	9.8	0
01/02/2023 18:30	5.8	259	20	8.7	0
01/02/2023 18:40	5.6	252	16	8.8	0
01/02/2023 18:50	6	250	18	9.8	0
01/02/2023 19:00	5.8	254	15	8.4	0
01/02/2023 19:10	6.1	258	17	8.9	0
01/02/2023 19:20	6	256	14	8.4	0
01/02/2023 19:30	6.3	258	15	9.3	0
01/02/2023 19:40	5.7	249	19	8.7	0
01/02/2023 19:50	6.1	252	17	10.1	0
01/02/2023 20:00	6.3	254	15	9.4	0
01/02/2023 20:10	5.6	254	17	10.3	0
01/02/2023 20:20	6.7	256	16	9.5	0
01/02/2023 20:30	6.5	255	16	10.1	0
01/02/2023 20:40	6.1	255	16	9.2	0
01/02/2023 20:50	6.9	254	13	9.7	0
01/02/2023 21:00	6.9	256	16	10	0
01/02/2023 21:10	6.9	250	15	9.7	0
01/02/2023 21:20	6.6	252	16	9.5	0
01/02/2023 21:30	6.4	251	17	9.6	0
01/02/2023 21:40	6.9	256	15	9.5	0
01/02/2023 21:50	6.2	248	17	9.3	0
01/02/2023 22:00	5.4	252	21	8.7	0
01/02/2023 22:10	6.5	256	17	9.3	0
01/02/2023 22:20	6.8	256	16	9.6	0
01/02/2023 22:30	6.6	245	20	10	0
01/02/2023 22:40	6.6	250	17	10	0
01/02/2023 22:50	6.6	253	17	9.6	0
01/02/2023 23:00	6.3	244	19	9.7	0
01/02/2023 23:10	6.2	253	15	9.2	0
01/02/2023 23:20	6.3	254	14	9.4	0
01/02/2023 23:30	5.9	256	15	9.1	0
01/02/2023 23:40	6.2	253	15	9.2	0
01/02/2023 23:50	6.6	253	15	9.5	0
01/03/2023 00:00	6.2	252	15	9.2	0
01/03/2023 00:10	6.6	254	14	9.3	0
01/03/2023 00:20	6.1	257	16	9.2	0
01/03/2023 00:30	6	257	13	9	0
01/03/2023 00:40	5	255	16	7.4	0
01/03/2023 00:50	5.2	244	17	8.2	0
01/03/2023 01:00	5.3	249	18	7.7	0
01/03/2023 01:10	6.1	250	17	9	0
01/03/2023 01:20	5.4	247	17	8.1	0
01/03/2023 01:30	5.6	249	17	8.2	0
01/03/2023 01:40	5	248	16	7.3	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/03/2023 01:50	4.5	250	19	6.9	0
01/03/2023 02:00	4.9	251	18	7.2	0
01/03/2023 02:10	4.7	246	19	6.7	0
01/03/2023 02:20	3	193	36	5.4	0
01/03/2023 02:30	2.4	242	52	4	0
01/03/2023 02:40	1.7	207	35	3.4	0
01/03/2023 02:50	3	250	16	4.2	0
01/03/2023 03:00	2.5	245	24	4	0
01/03/2023 03:10	3.5	259	14	4.8	0
01/03/2023 03:20	3.4	260	16	4.7	0
01/03/2023 03:30	3.4	260	14	4.6	0
01/03/2023 03:40	3.3	260	14	4.4	0
01/03/2023 03:50	2.6	261	17	3.9	0
01/03/2023 04:00	3	259	14	4.4	0
01/03/2023 04:10	2.3	257	15	3.4	0
01/03/2023 04:20	2.4	267	16	3.5	0
01/03/2023 04:30	2.6	260	20	4	0
01/03/2023 04:40	3.7	258	15	5.4	0
01/03/2023 04:50	3.8	257	15	5.2	0
01/03/2023 05:00	4.5	259	13	6	0
01/03/2023 05:10	4.4	258	15	6	0
01/03/2023 05:20	4.3	260	16	6.3	0
01/03/2023 05:30	4.6	258	12	6.4	0
01/03/2023 05:40	4.8	260	14	6.8	0
01/03/2023 05:50	4.7	261	16	6.7	0
01/03/2023 06:00	4.6	262	14	6.4	0
01/03/2023 06:10	4.5	263	16	6.8	0
01/03/2023 06:20	4.4	258	16	6.2	0
01/03/2023 06:30	4.5	261	15	6.5	0
01/03/2023 06:40	4.5	258	17	6.6	0
01/03/2023 06:50	4.7	256	16	6.8	0
01/03/2023 07:00	4.5	251	19	6.3	0
01/03/2023 07:10	4.5	245	18	6.1	0
01/03/2023 07:20	4.6	246	16	6.8	0
01/03/2023 07:30	4.4	253	16	6.5	0
01/03/2023 07:40	4.5	257	15	6.2	0
01/03/2023 07:50	4	250	18	5.7	0
01/03/2023 08:00	4.3	250	14	6.3	0
01/03/2023 08:10	4.3	253	19	6.2	0
01/03/2023 08:20	4.7	254	14	6.5	0
01/03/2023 08:30	4.7	251	16	6.4	0
01/03/2023 08:40	4.5	257	17	6.7	0
01/03/2023 08:50	4.3	259	19	6	0
01/03/2023 09:00	4.7	256	17	6.7	0
01/03/2023 09:10	4.8	249	20	6.7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/03/2023 09:20	4.7	253	18	6.9	0
01/03/2023 09:30	5.1	246	16	7.2	0
01/03/2023 09:40	4.9	252	16	7.1	0
01/03/2023 09:50	4.7	254	17	6.6	0
01/03/2023 10:00	4.8	248	16	7.1	0
01/03/2023 10:10	4.7	255	18	6.8	0
01/03/2023 10:20	4.9	255	19	7	0
01/03/2023 10:30	4.6	257	19	7	0
01/03/2023 10:40	4.8	251	18	7.4	0
01/03/2023 10:50	5.2	254	17	6.9	0
01/03/2023 11:00	5.2	249	17	7.2	0
01/03/2023 11:10	4.9	246	18	7.2	0
01/03/2023 11:20	5.6	248	17	8	0
01/03/2023 11:30	5.3	247	16	7.5	0
01/03/2023 11:40	5.7	250	15	8.2	0
01/03/2023 11:50	5.4	255	16	7.2	0
01/03/2023 12:00	5.4	253	17	8.1	0
01/03/2023 12:10	5.9	251	15	9	0
01/03/2023 12:20	5.9	252	19	8	0
01/03/2023 12:30	6.1	250	14	8.1	0
01/03/2023 12:40	5.7	253	18	8.5	0
01/03/2023 12:50	5.8	258	18	8.5	0
01/03/2023 13:00	6.5	244	15	9.1	0
01/03/2023 13:10	6.3	253	18	9.1	0
01/03/2023 13:20	5.8	249	17	8.1	0
01/03/2023 13:30	6	250	15	8.6	0
01/03/2023 13:40	6.4	245	15	9	0
01/03/2023 13:50	6.3	245	18	9.1	0
01/03/2023 14:00	6.3	246	14	8.3	0
01/03/2023 14:10	6.2	251	17	8.8	0
01/03/2023 14:20	5.9	252	17	8.8	0
01/03/2023 14:30	6.6	249	19	9.2	0
01/03/2023 14:40	6.7	248	16	9	0
01/03/2023 14:50	6.2	245	16	8.9	0
01/03/2023 15:00	6.3	251	19	9.1	0
01/03/2023 15:10	6.9	247	15	9.5	0
01/03/2023 15:20	6.5	249	17	8.7	0
01/03/2023 15:30	6.4	251	17	9.4	0
01/03/2023 15:40	6.8	247	16	9.5	0
01/03/2023 15:50	6.9	248	16	9.7	0
01/03/2023 16:00	6.8	249	15	9.1	0
01/03/2023 16:10	7.1	247	16	10.3	0
01/03/2023 16:20	6.6	254	17	9.6	0
01/03/2023 16:30	6.9	249	16	10	0
01/03/2023 16:40	6.5	251	16	9.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/03/2023 16:50	7.4	247	14	10.2	0
01/03/2023 17:00	6.6	252	16	9.3	0
01/03/2023 17:10	7.1	248	17	9.9	0
01/03/2023 17:20	6.1	257	17	9.1	0
01/03/2023 17:30	6.5	252	16	9.4	0
01/03/2023 17:40	7.3	252	16	10.9	0
01/03/2023 17:50	7.2	244	17	10.9	0
01/03/2023 18:00	6.7	242	20	9.5	0
01/03/2023 18:10	6	251	17	9.1	0
01/03/2023 18:20	6.7	256	16	9.4	0
01/03/2023 18:30	6.1	250	16	9.5	0
01/03/2023 18:40	5.6	258	18	8.3	0
01/03/2023 18:50	5.7	262	18	8.9	0
01/03/2023 19:00	5.9	262	20	8.9	0
01/03/2023 19:10	5.9	256	17	8.6	0
01/03/2023 19:20	5.7	260	21	9.9	0
01/03/2023 19:30	6.1	262	19	9	0
01/03/2023 19:40	5.2	254	19	7.9	0
01/03/2023 19:50	5.7	258	17	9.4	0
01/03/2023 20:00	5.3	260	16	7.9	0
01/03/2023 20:10	5.1	258	19	7.6	0
01/03/2023 20:20	5.3	256	18	7.2	0
01/03/2023 20:30	5.7	254	16	8	0
01/03/2023 20:40	5.9	253	16	8.7	0
01/03/2023 20:50	5.8	251	15	8.3	0
01/03/2023 21:00	6.1	257	14	8.7	0
01/03/2023 21:10	6	255	15	9.1	0
01/03/2023 21:20	5.9	258	14	9.1	0
01/03/2023 21:30	5.4	259	17	8.7	0
01/03/2023 21:40	6.4	248	16	9.2	0
01/03/2023 21:50	6.5	252	15	10	0
01/03/2023 22:00	6.7	255	15	9.9	0
01/03/2023 22:10	6.2	254	15	9.5	0
01/03/2023 22:20	6.3	244	15	9	0
01/03/2023 22:30	6.8	244	16	9.6	0
01/03/2023 22:40	6.7	249	19	9.1	0
01/03/2023 22:50	6.4	247	19	9.5	0
01/03/2023 23:00	6	241	17	9.1	0
01/03/2023 23:10	4.6	245	19	8.3	0
01/03/2023 23:20	4.8	247	17	7.4	0
01/03/2023 23:30	2.7	242	19	5.9	0
01/03/2023 23:40	4.6	247	17	7.9	0
01/03/2023 23:50	4.2	246	19	8.5	0
01/04/2023 00:00	3.8	243	18	7.8	0
01/04/2023 00:10	3.2	238	17	8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/04/2023 00:20	2.6	235	17	6.8	0
01/04/2023 00:30	1.1	241	16	4.5	0
01/04/2023 00:40	2	239	15	5.9	0
01/04/2023 00:50	1.4	240	13	4.8	0
01/04/2023 01:00	2.2	251	17	6.3	0
01/04/2023 01:10	1.7	242	16	4.8	0
01/04/2023 01:20	2.3	251	16	6.3	0
01/04/2023 01:30	2.5	255	17	6.7	0
01/04/2023 01:40	2.9	256	15	7.3	0
01/04/2023 01:50	3.6	258	17	7.2	0
01/04/2023 02:00	3.3	256	14	6.9	0
01/04/2023 02:10	3.7	255	15	6.9	0
01/04/2023 02:20	2.4	252	13	7.1	0
01/04/2023 02:30	4.1	257	13	7.6	0
01/04/2023 02:40	3.6	255	17	7.4	0
01/04/2023 02:50	3.9	255	19	7.9	0
01/04/2023 03:00	2.9	252	17	6.2	0
01/04/2023 03:10	3.7	252	15	7.5	0
01/04/2023 03:20	3	255	16	6.9	0
01/04/2023 03:30	2.6	255	19	5.6	0
01/04/2023 03:40	2.7	253	16	6.8	0
01/04/2023 03:50	2.9	251	18	8.2	0
01/04/2023 04:00	2.3	253	16	6.2	0
01/04/2023 04:10	2	254	16	5.2	0
01/04/2023 04:20	3.1	254	15	7.2	0
01/04/2023 04:30	3.8	254	16	7.5	0
01/04/2023 04:40	4.4	258	14	9.1	0
01/04/2023 04:50	4.4	256	18	7.5	0
01/04/2023 05:00	3.9	257	15	7.9	0
01/04/2023 05:10	3.3	250	18	6.6	0
01/04/2023 05:20	5.4	255	15	8.6	0
01/04/2023 05:30	4.7	257	16	9	0
01/04/2023 05:40	4.7	256	15	7.9	0
01/04/2023 05:50	5	256	14	7.6	0
01/04/2023 06:00	4.7	257	14	9.1	0
01/04/2023 06:10	4.1	253	14	8	0
01/04/2023 06:20	5.3	257	15	8.6	0
01/04/2023 06:30	4.3	250	16	8.3	0
01/04/2023 06:40	3.6	247	16	6.7	0
01/04/2023 06:50	4.6	255	16	7.8	0
01/04/2023 07:00	4.7	256	13	7.6	0
01/04/2023 07:10	4	252	14	7.5	0
01/04/2023 07:20	5.4	255	14	8.2	0
01/04/2023 07:30	6.1	257	14	7.9	0
01/04/2023 07:40	5.2	255	15	7.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/04/2023 07:50	4.9	253	16	7.1	0
01/04/2023 08:00	5.1	252	13	6.9	0
01/04/2023 08:10	5	257	15	6.6	0
01/04/2023 08:20	4.5	258	16	6.1	0
01/04/2023 08:30	4.3	254	14	5.9	0
01/04/2023 08:40	4	254	17	5.5	0
01/04/2023 08:50	4.1	251	17	5.8	0
01/04/2023 09:00	4	254	15	5.6	0
01/04/2023 09:10	3.5	259	19	4.8	0
01/04/2023 09:20	3.7	255	15	5.2	0
01/04/2023 09:30	3.7	254	17	5.2	0
01/04/2023 09:40	4.1	250	16	5.6	0
01/04/2023 09:50	4.1	257	15	5.8	0
01/04/2023 10:00	3.6	261	18	5.2	0
01/04/2023 10:10	4.5	258	15	6.1	0
01/04/2023 10:20	4.4	257	16	6.1	0
01/04/2023 10:30	4.5	259	19	5.9	0
01/04/2023 10:40	4.7	257	18	7.2	0
01/04/2023 10:50	5.1	253	16	7.3	0
01/04/2023 11:00	5.5	250	19	7.8	0
01/04/2023 11:10	5.6	252	17	7.5	0
01/04/2023 11:20	6	249	17	8.7	0
01/04/2023 11:30	5.6	244	19	8.1	0
01/04/2023 11:40	5.7	247	16	8.2	0
01/04/2023 11:50	5.7	250	16	8.1	0
01/04/2023 12:00	5.8	246	17	8.7	0
01/04/2023 12:10	6.1	248	17	8.6	0
01/04/2023 12:20	5.8	239	17	7.9	0
01/04/2023 12:30	6.1	247	17	8.4	0
01/04/2023 12:40	6	247	15	8.6	0
01/04/2023 12:50	6.2	251	17	9.7	0
01/04/2023 13:00	6.1	249	17	8.9	0
01/04/2023 13:10	6.1	249	16	8.5	0
01/04/2023 13:20	6.5	246	16	9.2	0
01/04/2023 13:30	5.7	252	19	9	0
01/04/2023 13:40	5.8	253	17	8.4	0
01/04/2023 13:50	5.9	256	19	8.2	0
01/04/2023 14:00	5.7	258	16	8.3	0
01/04/2023 14:10	5.9	252	19	8.5	0
01/04/2023 14:20	6.8	247	15	9.4	0
01/04/2023 14:30	6.9	245	17	9.9	0
01/04/2023 14:40	6.3	249	16	9.1	0
01/04/2023 14:50	6.8	243	15	9.1	0
01/04/2023 15:00	6.6	250	19	9.8	0
01/04/2023 15:10	6	252	19	9.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/04/2023 15:20	6	254	18	9.8	0
01/04/2023 15:30	5.9	257	19	8.3	0
01/04/2023 15:40	6.2	252	17	8.6	0
01/04/2023 15:50	6	257	16	8.9	0
01/04/2023 16:00	5.7	258	19	8.8	0
01/04/2023 16:10	5.9	255	17	8.5	0
01/04/2023 16:20	6.1	254	18	10	0
01/04/2023 16:30	5.4	258	19	8.2	0
01/04/2023 16:40	5.6	258	17	8.1	0
01/04/2023 16:50	5.7	257	18	8.3	0
01/04/2023 17:00	6	255	19	9	0
01/04/2023 17:10	6	251	19	9.2	0
01/04/2023 17:20	6.4	256	20	9.5	0
01/04/2023 17:30	6	255	17	8.9	0
01/04/2023 17:40	5.8	258	18	9.5	0
01/04/2023 17:50	6.9	253	16	10.4	0
01/04/2023 18:00	6.4	257	17	10.7	0
01/04/2023 18:10	6.6	258	17	9.7	0
01/04/2023 18:20	6.5	253	15	9.9	0
01/04/2023 18:30	5.8	261	19	10	0
01/04/2023 18:40	6.1	258	16	9.6	0
01/04/2023 18:50	5.7	255	18	9.4	0
01/04/2023 19:00	6	255	15	8.9	0
01/04/2023 19:10	5.8	258	16	8.7	0
01/04/2023 19:20	5.5	257	19	8.8	0
01/04/2023 19:30	5.7	261	17	9	0
01/04/2023 19:40	6.3	256	16	11.1	0
01/04/2023 19:50	5.7	258	19	10	0
01/04/2023 20:00	6.5	251	17	10.2	0
01/04/2023 20:10	6.7	255	17	10.3	0
01/04/2023 20:20	7	251	17	10.5	0
01/04/2023 20:30	6.8	255	17	9.6	0
01/04/2023 20:40	6.6	248	16	10	0
01/04/2023 20:50	6	251	17	8.8	0
01/04/2023 21:00	7.2	255	15	11.1	0
01/04/2023 21:10	7.1	255	15	10.6	0
01/04/2023 21:20	6.5	255	14	9.3	0
01/04/2023 21:30	6	246	16	9.1	0
01/04/2023 21:40	6.3	252	19	9.3	0
01/04/2023 21:50	6.6	245	17	10	0
01/04/2023 22:00	6.3	246	16	9.5	0
01/04/2023 22:10	6.6	238	15	9.4	0
01/04/2023 22:20	5.8	246	18	9.1	0
01/04/2023 22:30	5.9	241	17	8.6	0
01/04/2023 22:40	5.6	235	16	9.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/04/2023 22:50	5.9	237	17	8.7	0
01/04/2023 23:00	5.4	236	16	8.3	0
01/04/2023 23:10	4.6	239	17	7.2	0
01/04/2023 23:20	4.8	242	18	8.3	0
01/04/2023 23:30	2.6	241	17	5.7	0
01/04/2023 23:40	2.1	242	15	5.7	0
01/04/2023 23:50	3.2	250	14	6.7	0
01/05/2023 00:00	3.2	243	23	6.7	0
01/05/2023 00:10	4.1	254	19	7.9	0
01/05/2023 00:20	4.9	252	17	7.6	0
01/05/2023 00:30	5.3	251	17	8	0
01/05/2023 00:40	5	241	18	8.7	0
01/05/2023 00:50	4.4	236	15	6.9	0
01/05/2023 01:00	2.2	238	17	5.5	0
01/05/2023 01:10	2.7	241	15	6.4	0
01/05/2023 01:20	1.7	249	16	5.6	0
01/05/2023 01:30	2.2	246	16	6	0
01/05/2023 01:40	2.9	243	16	7.4	0
01/05/2023 01:50	2.6	235	13	5.8	0
01/05/2023 02:00	2.8	243	17	6.5	0
01/05/2023 02:10	2.1	234	18	6.3	0
01/05/2023 02:20	1.3	231	15	4	0
01/05/2023 02:30	1.7	244	16	5.3	0
01/05/2023 02:40	1.6	244	16	5.3	0
01/05/2023 02:50	1	237	13	4.1	0
01/05/2023 03:00	2	248	16	6.4	0
01/05/2023 03:10	3.2	244	16	6.8	0
01/05/2023 03:20	3.8	251	18	7.5	0
01/05/2023 03:30	3.1	245	18	6.7	0
01/05/2023 03:40	3.6	248	16	7.6	0
01/05/2023 03:50	3.6	251	17	6.8	0
01/05/2023 04:00	4	256	15	8.1	0
01/05/2023 04:10	4.4	259	14	8	0
01/05/2023 04:20	4.2	261	15	7.9	0
01/05/2023 04:30	3.9	256	13	6.6	0
01/05/2023 04:40	4.2	257	15	7.4	0
01/05/2023 04:50	3.5	253	18	7	0
01/05/2023 05:00	2.9	249	14	6.8	0
01/05/2023 05:10	2.4	239	15	5.4	0
01/05/2023 05:20	0.8	242	12	3.9	0
01/05/2023 05:30	0.6	257	9	3.4	0
01/05/2023 05:40	2.3	256	13	6.4	0
01/05/2023 05:50	3.3	253	14	7.2	0
01/05/2023 06:00	1.8	252	14	5.6	0
01/05/2023 06:10	2	251	12	5.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/05/2023 06:20	2.4	247	14	4.8	0
01/05/2023 06:30	2	250	14	6.4	0
01/05/2023 06:40	1.9	244	14	5.7	0
01/05/2023 06:50	3.5	248	16	7.1	0
01/05/2023 07:00	3	246	19	7	0
01/05/2023 07:10	2.3	250	16	5.8	0
01/05/2023 07:20	1.1	254	11	4	0
01/05/2023 07:30	0.9	257	12	4.8	0
01/05/2023 07:40	0.7	254	12	4.5	0
01/05/2023 07:50	0.7	245	12	2.5	0
01/05/2023 08:00	2.2	244	14	5.2	0
01/05/2023 08:10	4.8	247	18	7.2	0
01/05/2023 08:20	4.6	252	16	6.1	0
01/05/2023 08:30	4.5	251	17	6.1	0
01/05/2023 08:40	4.8	250	16	6.6	0
01/05/2023 08:50	4.7	251	16	6.4	0
01/05/2023 09:00	4.7	254	16	6.6	0
01/05/2023 09:10	4.9	250	15	7.1	0
01/05/2023 09:20	5	247	17	7.1	0
01/05/2023 09:30	5.3	244	15	7.4	0
01/05/2023 09:40	5.1	253	17	7.7	0
01/05/2023 09:50	5.4	254	17	8.1	0
01/05/2023 10:00	5.4	255	16	8	0
01/05/2023 10:10	5.1	256	19	7	0
01/05/2023 10:20	5.4	251	14	7.6	0
01/05/2023 10:30	5.5	253	16	8.1	0
01/05/2023 10:40	5.3	253	18	7.6	0
01/05/2023 10:50	5.4	255	16	8	0
01/05/2023 11:00	5.4	253	18	7.8	0
01/05/2023 11:10	5.7	253	16	7.9	0
01/05/2023 11:20	6.1	249	16	8.2	0
01/05/2023 11:30	5.7	253	16	7.6	0
01/05/2023 11:40	6.2	251	14	8.6	0
01/05/2023 11:50	6.1	251	18	8.6	0
01/05/2023 12:00	6.6	251	15	9.8	0
01/05/2023 12:10	6.1	253	17	8.7	0
01/05/2023 12:20	6.5	256	16	9.1	0
01/05/2023 12:30	6.4	259	16	8.7	0
01/05/2023 12:40	5.7	260	19	9.1	0
01/05/2023 12:50	6.6	252	19	10.2	0
01/05/2023 13:00	6.4	256	17	9.2	0
01/05/2023 13:10	6.7	254	16	9.9	0
01/05/2023 13:20	6.6	256	18	9.8	0
01/05/2023 13:30	6.7	254	19	9.9	0
01/05/2023 13:40	7.3	249	16	10.4	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/05/2023 13:50	7.4	248	15	9.5	0
01/05/2023 14:00	7.5	254	16	11.4	0
01/05/2023 14:10	8	251	15	11.1	0
01/05/2023 14:20	8	250	15	11.3	0
01/05/2023 14:30	8.3	249	16	11.5	0
01/05/2023 14:40	7.2	249	16	10.5	0
01/05/2023 14:50	7.9	247	15	11.8	0
01/05/2023 15:00	7.5	251	16	10.9	0
01/05/2023 15:10	7.9	247	16	11.8	0
01/05/2023 15:20	6.8	252	19	10	0
01/05/2023 15:30	7.5	250	16	10.7	0
01/05/2023 15:40	7	252	17	10.6	0
01/05/2023 15:50	7.2	253	15	10.9	0
01/05/2023 16:00	7.8	252	16	10.7	0
01/05/2023 16:10	7	250	16	9.9	0
01/05/2023 16:20	6.8	248	18	9.9	0
01/05/2023 16:30	6.8	252	17	11	0
01/05/2023 16:40	6.8	251	16	10.2	0
01/05/2023 16:50	6.1	257	16	9.1	0
01/05/2023 17:00	7.3	249	15	10.9	0
01/05/2023 17:10	7.1	251	16	10.7	0
01/05/2023 17:20	7	256	15	10.3	0
01/05/2023 17:30	5.9	256	18	9.1	0
01/05/2023 17:40	6.1	254	19	9.2	0
01/05/2023 17:50	7	250	15	10.8	0
01/05/2023 18:00	6.6	252	19	9.7	0
01/05/2023 18:10	6.3	252	16	9.5	0
01/05/2023 18:20	7.1	252	16	10.3	0
01/05/2023 18:30	7.6	255	17	10.3	0
01/05/2023 18:40	7.2	251	15	10.7	0
01/05/2023 18:50	7.3	256	16	10.7	0
01/05/2023 19:00	6.6	255	17	10.1	0
01/05/2023 19:10	6.2	254	16	9	0
01/05/2023 19:20	5.7	252	17	9.4	0
01/05/2023 19:30	6.4	255	17	9.3	0
01/05/2023 19:40	6.6	260	19	9.8	0
01/05/2023 19:50	6.7	253	17	9.5	0
01/05/2023 20:00	7.1	257	15	10.6	0
01/05/2023 20:10	6.9	252	16	9.5	0
01/05/2023 20:20	6.3	253	16	9.4	0
01/05/2023 20:30	5.5	253	18	8.3	0
01/05/2023 20:40	5.7	254	17	8.2	0
01/05/2023 20:50	6.6	254	14	9.7	0
01/05/2023 21:00	6	255	18	9.6	0
01/05/2023 21:10	6.9	257	14	9.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/05/2023 21:20	6.3	255	16	9.4	0
01/05/2023 21:30	5.8	254	17	9.1	0
01/05/2023 21:40	6.1	253	18	9.1	0
01/05/2023 21:50	6.5	255	18	9	0
01/05/2023 22:00	7	251	17	9.5	0
01/05/2023 22:10	6.7	254	18	10.2	0
01/05/2023 22:20	5.8	250	21	9.5	0
01/05/2023 22:30	6.3	249	16	9.5	0
01/05/2023 22:40	5.5	246	19	8.7	0
01/05/2023 22:50	6.1	251	19	9.5	0
01/05/2023 23:00	6.4	247	17	9.4	0
01/05/2023 23:10	6.4	245	17	9.5	0
01/05/2023 23:20	5.9	242	19	9.8	0
01/05/2023 23:30	5.8	248	18	10.1	0
01/05/2023 23:40	5.4	250	19	9	0
01/05/2023 23:50	5.6	250	19	9.9	0
01/06/2023 00:00	5	249	17	7.8	0
01/06/2023 00:10	5.6	252	15	8.3	0
01/06/2023 00:20	5.7	248	18	9.2	0
01/06/2023 00:30	5.7	249	19	8.4	0
01/06/2023 00:40	5.9	240	18	9.1	0
01/06/2023 00:50	5.6	244	17	8.4	0
01/06/2023 01:00	5.8	239	14	8.4	0
01/06/2023 01:10	5.8	244	15	9.1	0
01/06/2023 01:20	5.9	244	17	9	0
01/06/2023 01:30	5.1	243	20	7.5	0
01/06/2023 01:40	5.7	242	19	8.5	0
01/06/2023 01:50	5.8	240	19	8.7	0
01/06/2023 02:00	5.8	243	16	8.8	0
01/06/2023 02:10	5.3	246	16	8.2	0
01/06/2023 02:20	5.8	249	18	8.3	0
01/06/2023 02:30	5.8	246	20	9.1	0
01/06/2023 02:40	6.1	244	18	8.9	0
01/06/2023 02:50	5.5	246	18	8.6	0
01/06/2023 03:00	5.5	245	16	7.9	0
01/06/2023 03:10	5.5	245	17	8.6	0
01/06/2023 03:20	6	241	19	9.9	0
01/06/2023 03:30	6.2	248	17	9	0
01/06/2023 03:40	6	248	16	8.9	0
01/06/2023 03:50	5.8	242	17	8.4	0
01/06/2023 04:00	5.5	242	16	8.1	0
01/06/2023 04:10	3.8	241	18	7.2	0
01/06/2023 04:20	1.6	243	15	5.4	0
01/06/2023 04:30	1.1	247	14	5.4	0
01/06/2023 04:40	0.7	251	12	4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/06/2023 04:50	0.3	250	8	2.9	0
01/06/2023 05:00	0.9	257	13	5.6	0
01/06/2023 05:10	0.7	251	12	3.1	0
01/06/2023 05:20	0.5	250	10	3.8	0
01/06/2023 05:30	0.5	247	9	3.7	0
01/06/2023 05:40	0.4	247	9	2.8	0
01/06/2023 05:50	0.6	259	8	3.9	0
01/06/2023 06:00	0.7	247	11	3.6	0
01/06/2023 06:10	0.6	241	11	3.6	0
01/06/2023 06:20	0.7	245	10	4.8	0
01/06/2023 06:30	0.7	249	11	3.1	0
01/06/2023 06:40	1	247	15	6.2	0
01/06/2023 06:50	5.2	247	17	7.7	0
01/06/2023 07:00	5.2	247	15	7.4	0
01/06/2023 07:10	5.5	248	16	8.1	0
01/06/2023 07:20	5.6	252	16	7.7	0
01/06/2023 07:30	5.3	253	17	7.5	0
01/06/2023 07:40	5.4	255	14	7.9	0
01/06/2023 07:50	5.2	252	17	7.2	0
01/06/2023 08:00	5	249	20	7.7	0
01/06/2023 08:10	5	250	18	7	0
01/06/2023 08:20	5.2	253	17	7.2	0
01/06/2023 08:30	5.2	256	16	7.3	0
01/06/2023 08:40	5.2	254	15	7.5	0
01/06/2023 08:50	5.4	252	18	7.2	0
01/06/2023 09:00	5.6	254	17	7.9	0
01/06/2023 09:10	5.3	256	20	7.2	0
01/06/2023 09:20	5.3	252	16	7.6	0
01/06/2023 09:30	5.3	251	16	7.2	0
01/06/2023 09:40	5.2	255	16	7.3	0
01/06/2023 09:50	5	262	19	7.3	0
01/06/2023 10:00	5	256	20	6.7	0
01/06/2023 10:10	5	259	19	7.2	0
01/06/2023 10:20	5.1	264	17	7.1	0
01/06/2023 10:30	5.3	263	18	7.6	0
01/06/2023 10:40	5.4	256	19	8.6	0
01/06/2023 10:50	5.7	254	19	8.1	0
01/06/2023 11:00	5.5	253	17	8.7	0
01/06/2023 11:10	5.7	255	17	8.3	0
01/06/2023 11:20	5.5	262	18	8.7	0
01/06/2023 11:30	5.8	255	19	9.4	0
01/06/2023 11:40	5.8	255	17	8.3	0
01/06/2023 11:50	6.4	257	19	9.8	0
01/06/2023 12:00	6.1	250	15	9.2	0
01/06/2023 12:10	5.9	259	18	9.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/06/2023 12:20	5.8	256	15	8.3	0
01/06/2023 12:30	6.1	257	19	8.7	0
01/06/2023 12:40	6.2	253	17	9.4	0
01/06/2023 12:50	5.8	260	19	8.3	0
01/06/2023 13:00	5.8	258	21	8.6	0
01/06/2023 13:10	6	259	19	9.5	0
01/06/2023 13:20	6.4	251	20	9.1	0
01/06/2023 13:30	6.2	254	21	9.5	0
01/06/2023 13:40	6.7	257	19	9.2	0
01/06/2023 13:50	6.3	261	19	9.1	0
01/06/2023 14:00	6.5	255	18	11.1	0
01/06/2023 14:10	5.9	256	20	8.8	0
01/06/2023 14:20	6.5	255	18	9.6	0
01/06/2023 14:30	6.7	253	17	10	0
01/06/2023 14:40	6.6	255	19	9.9	0
01/06/2023 14:50	6.9	257	17	10	0
01/06/2023 15:00	6.7	258	23	10.5	0
01/06/2023 15:10	7.1	259	18	10.9	0
01/06/2023 15:20	6.8	259	16	9.6	0
01/06/2023 15:30	7.2	256	16	10	0
01/06/2023 15:40	7.1	257	17	10.5	0
01/06/2023 15:50	6.9	261	17	10.6	0
01/06/2023 16:00	6.8	254	18	10.3	0
01/06/2023 16:10	6.7	257	18	9.9	0
01/06/2023 16:20	7.2	258	17	12	0
01/06/2023 16:30	6.7	258	18	10.1	0
01/06/2023 16:40	6.5	257	17	10.2	0
01/06/2023 16:50	6.7	260	19	10.4	0
01/06/2023 17:00	6.1	259	16	9.4	0
01/06/2023 17:10	6.3	258	19	9	0
01/06/2023 17:20	6	264	18	9.5	0
01/06/2023 17:30	6	260	20	9.4	0
01/06/2023 17:40	6.4	257	17	9.7	0
01/06/2023 17:50	6.4	254	19	10.3	0
01/06/2023 18:00	6	256	17	11.1	0
01/06/2023 18:10	6.1	259	16	9.3	0
01/06/2023 18:20	6.3	253	16	10.1	0
01/06/2023 18:30	6.2	254	18	10.4	0
01/06/2023 18:40	6.7	254	17	9.8	0
01/06/2023 18:50	6.1	264	17	9.2	0
01/06/2023 19:00	5.9	259	22	8.9	0
01/06/2023 19:10	6.4	260	18	9	0
01/06/2023 19:20	5.9	260	18	9	0
01/06/2023 19:30	5.8	264	18	8.3	0
01/06/2023 19:40	6	257	17	9.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/06/2023 19:50	5.5	260	18	8.8	0
01/06/2023 20:00	6.3	255	16	9.6	0
01/06/2023 20:10	5.5	258	18	8.9	0
01/06/2023 20:20	5.3	261	19	9.1	0
01/06/2023 20:30	5.5	258	21	9.6	0
01/06/2023 20:40	6	255	16	9.1	0
01/06/2023 20:50	6	255	17	9.8	0
01/06/2023 21:00	7	259	17	10.2	0
01/06/2023 21:10	6.2	259	18	9.8	0
01/06/2023 21:20	6.5	258	17	9.1	0
01/06/2023 21:30	7.5	256	16	11.6	0
01/06/2023 21:40	6	257	17	9.4	0
01/06/2023 21:50	6.5	255	15	9.3	0
01/06/2023 22:00	7.2	256	17	10.1	0
01/06/2023 22:10	6.2	253	16	9.4	0
01/06/2023 22:20	6.8	256	16	9	0
01/06/2023 22:30	7.1	255	15	10.4	0
01/06/2023 22:40	6.9	258	16	9.8	0
01/06/2023 22:50	6.4	256	18	9.6	0
01/06/2023 23:00	6.3	254	16	8.7	0
01/06/2023 23:10	6.4	253	17	9.1	0
01/06/2023 23:20	6.7	258	18	9.4	0
01/06/2023 23:30	6.6	258	16	9.7	0
01/06/2023 23:40	6.8	256	16	9.2	0
01/06/2023 23:50	6.3	258	17	9.1	0
01/07/2023 00:00	7	255	16	10.9	0
01/07/2023 00:10	6.8	257	16	10.5	0
01/07/2023 00:20	6.2	252	19	9.4	0
01/07/2023 00:30	6.9	251	18	10	0
01/07/2023 00:40	6.8	254	14	9.6	0
01/07/2023 00:50	6.1	251	22	8.7	0
01/07/2023 01:00	5.1	250	19	7.9	0
01/07/2023 01:10	6.2	247	17	9.1	0
01/07/2023 01:20	6	255	19	8.4	0
01/07/2023 01:30	6	255	19	9.5	0
01/07/2023 01:40	6.2	251	18	9	0
01/07/2023 01:50	6.3	254	16	9.3	0
01/07/2023 02:00	6.5	256	18	9.9	0
01/07/2023 02:10	6.4	252	17	9.1	0
01/07/2023 02:20	6.4	253	14	9.3	0
01/07/2023 02:30	6.5	247	16	9.1	0
01/07/2023 02:40	5.6	249	19	9.5	0
01/07/2023 02:50	6.2	249	17	9.9	0
01/07/2023 03:00	4.9	246	17	9.2	0
01/07/2023 03:10	5.5	252	18	9.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/07/2023 03:20	5.7	252	16	9.9	0
01/07/2023 03:30	5.5	254	16	7.5	0
01/07/2023 03:40	5.1	252	19	8.5	0
01/07/2023 03:50	5.5	253	16	7.5	0
01/07/2023 04:00	5.1	254	16	7.5	0
01/07/2023 04:10	5.8	255	15	8.1	0
01/07/2023 04:20	6.1	255	18	9.3	0
01/07/2023 04:30	6	257	15	8.1	0
01/07/2023 04:40	6.6	259	19	9.9	0
01/07/2023 04:50	6.8	258	18	9.6	0
01/07/2023 05:00	6.3	257	19	9	0
01/07/2023 05:10	6.8	257	15	9.5	0
01/07/2023 05:20	5.7	254	16	8.8	0
01/07/2023 05:30	6.2	252	16	9.1	0
01/07/2023 05:40	5.9	246	16	8.8	0
01/07/2023 05:50	5.7	248	17	8.7	0
01/07/2023 06:00	5.6	247	14	8.4	0
01/07/2023 06:10	5.8	252	19	8.7	0
01/07/2023 06:20	6	250	18	9.9	0
01/07/2023 06:30	6	243	18	8.9	0
01/07/2023 06:40	6.2	245	19	9.6	0
01/07/2023 06:50	6.1	254	16	9.4	0
01/07/2023 07:00	6.3	258	16	9	0
01/07/2023 07:10	7.2	261	15	9.8	0
01/07/2023 07:20	6.4	249	20	8.7	0
01/07/2023 07:30	6	252	17	8.5	0
01/07/2023 07:40	6.6	252	15	9.1	0
01/07/2023 07:50	6.5	252	15	9.2	0
01/07/2023 08:00	6.1	252	17	8.5	0
01/07/2023 08:10	6	255	18	8.9	0
01/07/2023 08:20	6.2	252	17	9	0
01/07/2023 08:30	6.4	254	15	9.1	0
01/07/2023 08:40	6	253	17	8.6	0
01/07/2023 08:50	6.4	253	18	8.8	0
01/07/2023 09:00	6.6	254	14	8.9	0
01/07/2023 09:10	5.7	261	18	8.8	0
01/07/2023 09:20	6.8	251	15	9	0
01/07/2023 09:30	5.7	257	16	8.3	0
01/07/2023 09:40	5.7	262	19	8.5	0
01/07/2023 09:50	6.9	253	14	8.8	0
01/07/2023 10:00	5.6	262	21	8.1	0
01/07/2023 10:10	6.8	251	17	9.8	0
01/07/2023 10:20	6.3	256	15	9.9	0
01/07/2023 10:30	6.1	258	17	9.1	0
01/07/2023 10:40	6.3	253	17	10	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/07/2023 10:50	6	255	20	8.7	0
01/07/2023 11:00	5.9	257	18	8.9	0
01/07/2023 11:10	5.8	260	18	8.9	0
01/07/2023 11:20	6.3	253	17	9	0
01/07/2023 11:30	5.7	253	17	8.1	0
01/07/2023 11:40	6.2	249	16	8.6	0
01/07/2023 11:50	5.9	252	18	9.1	0
01/07/2023 12:00	5.8	250	15	8.4	0
01/07/2023 12:10	5.8	254	20	7.5	0
01/07/2023 12:20	6.4	253	19	9.6	0
01/07/2023 12:30	6	257	17	9.5	0
01/07/2023 12:40	5.7	256	18	8.1	0
01/07/2023 12:50	5.7	253	17	8.8	0
01/07/2023 13:00	6.1	251	18	8.6	0
01/07/2023 13:10	6.6	249	17	9.2	0
01/07/2023 13:20	6.3	250	19	9	0
01/07/2023 13:30	6.4	247	19	9.1	0
01/07/2023 13:40	6.9	243	15	9.3	0
01/07/2023 13:50	6.8	248	16	9.4	0
01/07/2023 14:00	6.9	248	16	9.5	0
01/07/2023 14:10	6.8	249	17	9.1	0
01/07/2023 14:20	6.6	248	15	9.8	0
01/07/2023 14:30	6.7	248	20	9.4	0
01/07/2023 14:40	7.1	245	13	9.2	0
01/07/2023 14:50	7.2	246	13	9.8	0
01/07/2023 15:00	7.2	244	17	10	0
01/07/2023 15:10	6.9	247	15	9.9	0
01/07/2023 15:20	6.3	252	17	10.1	0
01/07/2023 15:30	7.7	249	14	10	0
01/07/2023 15:40	6.9	252	16	10.4	0
01/07/2023 15:50	6.4	255	16	8.9	0
01/07/2023 16:00	6.2	261	16	9.1	0
01/07/2023 16:10	6.9	251	17	9	0
01/07/2023 16:20	6.8	253	17	10.1	0
01/07/2023 16:30	7.1	244	18	9.5	0
01/07/2023 16:40	6.7	246	16	9	0
01/07/2023 16:50	7	250	16	10	0
01/07/2023 17:00	7.2	253	17	10.3	0
01/07/2023 17:10	6.5	251	16	9.8	0
01/07/2023 17:20	6.3	248	18	9.1	0
01/07/2023 17:30	6.8	249	14	9.4	0
01/07/2023 17:40	6.9	252	17	9.6	0
01/07/2023 17:50	6.4	254	16	9.2	0
01/07/2023 18:00	5.6	254	16	8.2	0
01/07/2023 18:10	5.7	255	16	8.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/07/2023 18:20	6.6	251	14	9.1	0
01/07/2023 18:30	5.9	254	17	8.1	0
01/07/2023 18:40	6.2	253	14	8.6	0
01/07/2023 18:50	5.5	254	18	8.1	0
01/07/2023 19:00	5	259	15	7.6	0
01/07/2023 19:10	6	255	15	8.7	0
01/07/2023 19:20	6.2	253	15	8.9	0
01/07/2023 19:30	6.3	252	17	9.1	0
01/07/2023 19:40	6.7	253	16	8.9	0
01/07/2023 19:50	6.1	253	14	9	0
01/07/2023 20:00	5.2	253	16	7.9	0
01/07/2023 20:10	5.7	253	18	8.3	0
01/07/2023 20:20	5.9	254	15	7.9	0
01/07/2023 20:30	5.7	252	15	8.3	0
01/07/2023 20:40	5.5	257	14	7.9	0
01/07/2023 20:50	5.7	254	14	7.6	0
01/07/2023 21:00	5.7	249	16	7.9	0
01/07/2023 21:10	6	256	15	8.3	0
01/07/2023 21:20	6	255	16	8.3	0
01/07/2023 21:30	5.5	255	15	8.2	0
01/07/2023 21:40	6.3	256	15	9.1	0
01/07/2023 21:50	5.8	258	15	8.7	0
01/07/2023 22:00	5.3	259	14	7.4	0
01/07/2023 22:10	5.7	257	14	7.7	0
01/07/2023 22:20	6.3	255	14	9	0
01/07/2023 22:30	5.4	257	17	7.4	0
01/07/2023 22:40	4.9	260	16	7.8	0
01/07/2023 22:50	4.8	262	15	7.8	0
01/07/2023 23:00	4.6	264	15	7.3	0
01/07/2023 23:10	5.3	258	14	7.2	0
01/07/2023 23:20	4.7	261	15	7.1	0
01/07/2023 23:30	4.7	262	17	6.5	0
01/07/2023 23:40	5.3	261	15	7.5	0
01/07/2023 23:50	4.8	263	19	6.9	0
01/08/2023 00:00	5.1	261	14	7.3	0
01/08/2023 00:10	4.7	262	16	6.8	0
01/08/2023 00:20	4.8	261	15	6.7	0
01/08/2023 00:30	4.9	265	14	7.2	0
01/08/2023 00:40	5	260	17	7.2	0
01/08/2023 00:50	5.4	261	16	7.7	0
01/08/2023 01:00	4.8	259	17	7.5	0
01/08/2023 01:10	5.6	259	16	8.2	0
01/08/2023 01:20	5.3	262	16	7.3	0
01/08/2023 01:30	5.2	263	17	7.3	0
01/08/2023 01:40	5.5	262	14	7.9	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/08/2023 01:50	5.4	260	15	8	0
01/08/2023 02:00	5.1	265	15	7.3	0
01/08/2023 02:10	5.2	262	16	7.6	0
01/08/2023 02:20	4.8	264	15	7.4	0
01/08/2023 02:30	5.3	261	16	8.1	0
01/08/2023 02:40	5.5	258	16	8	0
01/08/2023 02:50	5.3	260	16	8.3	0
01/08/2023 03:00	5.4	259	16	7.7	0
01/08/2023 03:10	5.3	266	15	7.5	0
01/08/2023 03:20	5.3	262	17	7.5	0
01/08/2023 03:30	5.6	262	16	8.7	0
01/08/2023 03:40	5.7	262	16	8.3	0
01/08/2023 03:50	5.4	264	16	8	0
01/08/2023 04:00	5.3	260	14	7.5	0
01/08/2023 04:10	5.5	260	16	7.9	0
01/08/2023 04:20	5.7	258	15	8.2	0
01/08/2023 04:30	5.5	264	17	8.2	0
01/08/2023 04:40	5.8	260	15	8.2	0
01/08/2023 04:50	5.3	260	15	7.7	0
01/08/2023 05:00	5.4	262	15	8	0
01/08/2023 05:10	6	258	14	7.9	0
01/08/2023 05:20	5.7	261	14	8	0
01/08/2023 05:30	5.9	259	15	8.3	0
01/08/2023 05:40	5.4	260	16	7.7	0
01/08/2023 05:50	4.9	262	15	7.4	0
01/08/2023 06:00	5.5	258	17	7.6	0
01/08/2023 06:10	5.4	256	16	7.4	0
01/08/2023 06:20	5.9	259	15	8.1	0
01/08/2023 06:30	5.8	260	15	7.6	0
01/08/2023 06:40	5.6	257	19	8.1	0
01/08/2023 06:50	5.7	256	15	7.7	0
01/08/2023 07:00	5.2	251	17	6.9	0
01/08/2023 07:10	5.3	250	17	7.6	0
01/08/2023 07:20	5.2	257	16	7.9	0
01/08/2023 07:30	6	256	16	8.7	0
01/08/2023 07:40	5.6	253	16	7.7	0
01/08/2023 07:50	5.2	255	16	7.2	0
01/08/2023 08:00	4.9	261	16	7	0
01/08/2023 08:10	5.3	261	16	7.7	0
01/08/2023 08:20	5.3	259	16	7.6	0
01/08/2023 08:30	5.3	259	17	7.6	0
01/08/2023 08:40	4.8	261	15	7.3	0
01/08/2023 08:50	5.5	255	16	8.1	0
01/08/2023 09:00	6	252	14	7.9	0
01/08/2023 09:10	5.5	251	14	8.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/08/2023 09:20	5.5	262	17	8.1	0
01/08/2023 09:30	5.1	258	19	7.5	0
01/08/2023 09:40	5.3	255	16	7.9	0
01/08/2023 09:50	5.8	255	15	8.6	0
01/08/2023 10:00	5.4	254	15	7.7	0
01/08/2023 10:10	5.3	257	17	7.7	0
01/08/2023 10:20	5.6	256	17	7.5	0
01/08/2023 10:30	5.6	258	20	8.1	0
01/08/2023 10:40	5.3	259	16	7.5	0
01/08/2023 10:50	4.6	263	18	7.1	0
01/08/2023 11:00	4	264	24	6.3	0
01/08/2023 11:10	4.9	256	15	7.3	0
01/08/2023 11:20	3.5	268	23	6	0
01/08/2023 11:30	3.4	275	31	5.3	0
01/08/2023 11:40	3.5	299	36	5.9	0
01/08/2023 11:50	4	273	26	6.5	0
01/08/2023 12:00	3.9	270	27	5.6	0
01/08/2023 12:10	4	278	34	7	0
01/08/2023 12:20	3.6	284	38	6	0
01/08/2023 12:30	3.6	282	35	6.5	0
01/08/2023 12:40	3.8	280	35	6.6	0
01/08/2023 12:50	4.4	272	33	7.5	0
01/08/2023 13:00	4.3	281	32	6.6	0
01/08/2023 13:10	4.2	319	32	7.7	0
01/08/2023 13:20	4.3	279	34	6.7	0
01/08/2023 13:30	4.4	275	32	7	0
01/08/2023 13:40	5.3	261	23	8.1	0
01/08/2023 13:50	4.2	272	32	7.2	0
01/08/2023 14:00	4.7	271	29	7.4	0
01/08/2023 14:10	4.2	274	30	7.9	0
01/08/2023 14:20	5	262	25	8.3	0
01/08/2023 14:30	4.5	262	26	7.2	0
01/08/2023 14:40	4.5	267	27	6.8	0
01/08/2023 14:50	4.3	273	32	7	0
01/08/2023 15:00	4.3	276	35	7.3	0
01/08/2023 15:10	4.7	264	30	7.2	0
01/08/2023 15:20	4	276	38	6.4	0
01/08/2023 15:30	4.5	276	29	7.2	0
01/08/2023 15:40	4.8	269	30	8.1	0
01/08/2023 15:50	5.2	259	22	8.3	0
01/08/2023 16:00	4.2	284	38	7.9	0
01/08/2023 16:10	4.6	268	31	7.6	0
01/08/2023 16:20	4.4	269	26	7.2	0
01/08/2023 16:30	5.3	261	17	8.7	0
01/08/2023 16:40	5.9	258	17	8.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/08/2023 16:50	6.5	253	16	8.8	0
01/08/2023 17:00	6.4	251	15	10	0
01/08/2023 17:10	6.5	258	17	9.1	0
01/08/2023 17:20	6.1	258	16	9.6	0
01/08/2023 17:30	6.5	255	15	10	0
01/08/2023 17:40	6.3	254	16	9.2	0
01/08/2023 17:50	6.6	257	16	10.7	0
01/08/2023 18:00	5.9	258	18	9.5	0
01/08/2023 18:10	5.7	260	18	9.1	0
01/08/2023 18:20	5.6	259	17	7.9	0
01/08/2023 18:30	4.7	258	20	7.3	0
01/08/2023 18:40	5.1	258	17	7.5	0
01/08/2023 18:50	4.7	259	16	7.7	0
01/08/2023 19:00	4.4	257	18	6.8	0
01/08/2023 19:10	5.2	258	18	7.5	0
01/08/2023 19:20	5	261	18	7	0
01/08/2023 19:30	5.5	259	17	7.5	0
01/08/2023 19:40	5.3	259	17	7.4	0
01/08/2023 19:50	4.9	261	17	7.2	0
01/08/2023 20:00	5.1	259	16	8.3	0
01/08/2023 20:10	5.2	259	19	8.1	0
01/08/2023 20:20	6.1	255	16	8.6	0
01/08/2023 20:30	5.9	253	15	8.5	0
01/08/2023 20:40	5.3	258	18	7.5	0
01/08/2023 20:50	5.4	257	15	7.9	0
01/08/2023 21:00	5.6	257	16	8.3	0
01/08/2023 21:10	5.7	258	18	7.9	0
01/08/2023 21:20	5.1	258	17	7.3	0
01/08/2023 21:30	5.2	254	14	7.9	0
01/08/2023 21:40	5	256	19	7.9	0
01/08/2023 21:50	4	261	20	6.2	0
01/08/2023 22:00	4.4	259	18	7.2	0
01/08/2023 22:10	4.3	260	18	7.2	0
01/08/2023 22:20	3.9	261	18	6.4	0
01/08/2023 22:30	4.1	260	17	6.4	0
01/08/2023 22:40	4.2	258	18	6.8	0
01/08/2023 22:50	4	261	18	6.4	0
01/08/2023 23:00	4.2	258	19	6.2	0
01/08/2023 23:10	4.3	263	16	6.1	0
01/08/2023 23:20	3.9	260	17	5.7	0
01/08/2023 23:30	4.3	262	17	6.1	0
01/08/2023 23:40	4.7	261	16	6.6	0
01/08/2023 23:50	4.4	263	15	6.7	0
01/09/2023 00:00	4.4	263	18	7.1	0
01/09/2023 00:10	4.7	263	14	7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/09/2023 00:20	4.5	258	14	6.1	0
01/09/2023 00:30	4.6	259	14	6.5	0
01/09/2023 00:40	4.3	262	14	6.8	0
01/09/2023 00:50	4.4	264	15	6.6	0
01/09/2023 01:00	4.3	259	16	6.4	0
01/09/2023 01:10	4.5	256	16	6.6	0
01/09/2023 01:20	4.7	259	15	6.9	0
01/09/2023 01:30	4.7	256	15	6.3	0
01/09/2023 01:40	5.1	258	16	7.1	0
01/09/2023 01:50	3.9	259	16	6.4	0
01/09/2023 02:00	4.6	259	17	6.4	0
01/09/2023 02:10	4.2	263	14	6.2	0
01/09/2023 02:20	4.5	261	14	6.8	0
01/09/2023 02:30	4.3	264	14	6	0
01/09/2023 02:40	4.7	261	14	6.3	0
01/09/2023 02:50	4.3	264	14	6.1	0
01/09/2023 03:00	3.8	266	15	5.6	0
01/09/2023 03:10	4.2	262	14	6.3	0
01/09/2023 03:20	4.5	258	14	6.2	0
01/09/2023 03:30	4.4	256	14	5.8	0
01/09/2023 03:40	3.9	261	15	5.2	0
01/09/2023 03:50	3.5	260	15	5.2	0
01/09/2023 04:00	3.3	262	19	4.4	0
01/09/2023 04:10	3.1	261	17	4.4	0
01/09/2023 04:20	3.1	259	13	4.5	0
01/09/2023 04:30	2.8	258	15	4	0
01/09/2023 04:40	2.8	244	15	4.3	0
01/09/2023 04:50	2.2	248	16	3.2	0
01/09/2023 05:00	2	244	16	3.1	0
01/09/2023 05:10	2.1	239	15	3.6	0
01/09/2023 05:20	2.2	229	19	3.3	0
01/09/2023 05:30	1.1	216	24	1.7	0
01/09/2023 05:40	1.9	240	19	3.2	0
01/09/2023 05:50	1.9	243	21	3.2	0
01/09/2023 06:00	1.5	206	18	2.1	0
01/09/2023 06:10	1.6	158	25	3.3	0
01/09/2023 06:20	0.9	173	27	1.5	0
01/09/2023 06:30	1.1	169	21	1.6	0
01/09/2023 06:40	1.4	131	22	2.3	0
01/09/2023 06:50	1.8	139	25	2.9	0
01/09/2023 07:00	2	125	30	3	0
01/09/2023 07:10	2.2	131	25	3.4	0
01/09/2023 07:20	2.2	128	30	3.7	0
01/09/2023 07:30	2.5	126	31	3.7	0
01/09/2023 07:40	2.7	133	28	4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/09/2023 07:50	2.2	132	29	3.6	0
01/09/2023 08:00	2.3	125	32	3.8	0
01/09/2023 08:10	2	126	30	3.5	0
01/09/2023 08:20	2.2	125	29	3.2	0
01/09/2023 08:30	1.9	130	31	3.2	0
01/09/2023 08:40	2.3	113	28	3.6	0
01/09/2023 08:50	2.5	108	30	4.3	0
01/09/2023 09:00	2.8	111	27	4.7	0
01/09/2023 09:10	2.7	105	26	4.2	0
01/09/2023 09:20	2.6	99	27	4.8	0
01/09/2023 09:30	2.7	82	25	5.1	0
01/09/2023 09:40	2.8	75	19	4.4	0
01/09/2023 09:50	2.9	86	23	4.5	0
01/09/2023 10:00	3	92	25	4.4	0
01/09/2023 10:10	3.2	91	25	4.9	0
01/09/2023 10:20	2.8	84	26	4.8	0
01/09/2023 10:30	3.3	79	19	5.2	0
01/09/2023 10:40	3	62	25	4.8	0
01/09/2023 10:50	3.1	60	22	4.8	0
01/09/2023 11:00	3.4	54	20	5.3	0
01/09/2023 11:10	3.3	58	23	5.2	0
01/09/2023 11:20	3.5	59	20	5.4	0
01/09/2023 11:30	3.4	64	19	4.8	0
01/09/2023 11:40	3.3	57	19	4.9	0
01/09/2023 11:50	3.1	63	21	5.5	0
01/09/2023 12:00	3	61	22	4.4	0
01/09/2023 12:10	2.7	59	24	4.3	0
01/09/2023 12:20	3	63	19	4.5	0
01/09/2023 12:30	3.1	70	22	4.7	0
01/09/2023 12:40	3.2	65	23	4.9	0
01/09/2023 12:50	3.3	65	22	5.9	0
01/09/2023 13:00	3.5	74	21	5.1	0
01/09/2023 13:10	3.4	64	24	5.3	0
01/09/2023 13:20	3.3	68	22	5.4	0
01/09/2023 13:30	3.3	62	21	5.3	0
01/09/2023 13:40	3.3	66	23	5.6	0
01/09/2023 13:50	3.4	48	23	5.7	0
01/09/2023 14:00	3.4	56	23	5.2	0
01/09/2023 14:10	3.7	46	22	5.2	0
01/09/2023 14:20	3.4	45	23	5.2	0
01/09/2023 14:30	3.2	57	23	4.9	0
01/09/2023 14:40	3.3	69	22	5	0
01/09/2023 14:50	3	65	23	4.9	0
01/09/2023 15:00	2.9	69	21	4.7	0
01/09/2023 15:10	2.6	42	30	4.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/09/2023 15:20	2.7	47	29	4.4	0
01/09/2023 15:30	3	64	22	4.9	0
01/09/2023 15:40	3.1	66	21	4.4	0
01/09/2023 15:50	3.1	59	23	5.2	0
01/09/2023 16:00	3.3	61	20	5.2	0
01/09/2023 16:10	2.9	43	27	4.7	0
01/09/2023 16:20	3.4	12	27	5.5	0
01/09/2023 16:30	2.7	18	33	4.8	0
01/09/2023 16:40	2.6	359	30	4.8	0
01/09/2023 16:50	2.6	8	37	4.4	0
01/09/2023 17:00	3.3	343	33	5.4	0
01/09/2023 17:10	3.4	316	23	5	0
01/09/2023 17:20	2.5	319	32	4.3	0
01/09/2023 17:30	1.8	301	45	3.2	0
01/09/2023 17:40	1.7	271	50	3.1	0
01/09/2023 17:50	2	302	37	3.5	0
01/09/2023 18:00	2.2	278	36	4	0
01/09/2023 18:10	2.3	310	35	4.2	0
01/09/2023 18:20	2.1	297	38	4	0
01/09/2023 18:30	1.9	316	34	2.9	0
01/09/2023 18:40	2.5	324	23	3.7	0
01/09/2023 18:50	2	321	29	3.3	0
01/09/2023 19:00	2.6	319	26	3.9	0
01/09/2023 19:10	2.4	327	22	3.8	0
01/09/2023 19:20	1.7	306	43	3.5	0
01/09/2023 19:30	1.8	261	29	2.8	0
01/09/2023 19:40	1.8	260	25	3.1	0
01/09/2023 19:50	2	257	23	3.3	0
01/09/2023 20:00	2	237	18	2.9	0
01/09/2023 20:10	2.1	238	18	2.9	0
01/09/2023 20:20	2.1	243	15	3.2	0
01/09/2023 20:30	2	239	18	2.7	0
01/09/2023 20:40	2.1	250	15	3	0
01/09/2023 20:50	2	237	15	3.1	0
01/09/2023 21:00	1.7	220	17	2.4	0
01/09/2023 21:10	1.5	246	16	2.1	0
01/09/2023 21:20	2	253	13	2.5	0
01/09/2023 21:30	1.1	236	18	1.6	0
01/09/2023 21:40	1.3	250	9	1.7	0
01/09/2023 21:50	0.4	250	5	0.8	0
01/09/2023 22:00	0.1	209	2	0.5	0
01/09/2023 22:10	0.4	50	23	0.7	0
01/09/2023 22:20	0.7	67	50	1.2	0
01/09/2023 22:30	0.5	201	31	0.9	0
01/09/2023 22:40	0.4	49	25	0.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/09/2023 22:50	0.4	70	25	0.8	0
01/09/2023 23:00	0.8	44	20	1.2	0
01/09/2023 23:10	0.8	48	15	1.5	0
01/09/2023 23:20	0.9	54	18	1.5	0
01/09/2023 23:30	0.5	35	27	1.1	0
01/09/2023 23:40	0.5	83	16	0.8	0
01/09/2023 23:50	0.6	33	19	1	0
01/10/2023 00:00	0.6	43	22	1	0
01/10/2023 00:10	0.6	45	21	0.9	0
01/10/2023 00:20	0.9	317	43	1.6	0
01/10/2023 00:30	1.5	250	13	2.2	0
01/10/2023 00:40	1.6	245	12	2.3	0
01/10/2023 00:50	2.1	251	12	2.8	0
01/10/2023 01:00	1.8	253	16	2.7	0
01/10/2023 01:10	1.5	270	23	2.4	0
01/10/2023 01:20	1.6	256	21	2.5	0
01/10/2023 01:30	1.7	255	18	2.8	0
01/10/2023 01:40	2.3	249	15	3.3	0
01/10/2023 01:50	1.8	257	20	2.6	0
01/10/2023 02:00	1.9	252	15	2.9	0
01/10/2023 02:10	1.8	246	14	2.5	0
01/10/2023 02:20	1.7	251	15	2.4	0
01/10/2023 02:30	1.6	240	15	2.4	0
01/10/2023 02:40	1.4	251	14	2.1	0
01/10/2023 02:50	1.7	255	8	2	0
01/10/2023 03:00	1.7	255	9	2.2	0
01/10/2023 03:10	1.7	254	12	2.3	0
01/10/2023 03:20	1.7	251	18	2.4	0
01/10/2023 03:30	1.6	253	16	2.4	0
01/10/2023 03:40	1.6	258	16	2.4	0
01/10/2023 03:50	1.9	257	18	2.6	0
01/10/2023 04:00	1.8	257	15	2.5	0
01/10/2023 04:10	1.8	258	18	2.7	0
01/10/2023 04:20	1.9	249	15	3.1	0
01/10/2023 04:30	2.1	244	13	3.1	0
01/10/2023 04:40	1.8	256	16	2.8	0
01/10/2023 04:50	2.1	251	13	3.1	0
01/10/2023 05:00	1.6	261	18	2.3	0
01/10/2023 05:10	1.9	259	18	2.9	0
01/10/2023 05:20	1.1	266	25	1.6	0
01/10/2023 05:30	1.3	275	30	2.4	0
01/10/2023 05:40	1.5	257	17	2.4	0
01/10/2023 05:50	1.6	255	21	2.4	0
01/10/2023 06:00	1.4	261	20	2	0
01/10/2023 06:10	1.7	258	18	2.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/10/2023 06:20	1.7	262	29	2.8	0
01/10/2023 06:30	1.9	248	19	2.7	0
01/10/2023 06:40	1.8	252	20	2.7	0
01/10/2023 06:50	1.9	255	18	3	0
01/10/2023 07:00	1.6	269	29	2.7	0
01/10/2023 07:10	2.2	261	22	4	0
01/10/2023 07:20	2	260	24	3.5	0
01/10/2023 07:30	1.9	267	33	3.1	0
01/10/2023 07:40	2	252	29	3.6	0
01/10/2023 07:50	2.3	263	30	3.6	0
01/10/2023 08:00	2	270	39	3.2	0
01/10/2023 08:10	1.9	295	44	2.9	0
01/10/2023 08:20	2.1	277	51	3.1	0
01/10/2023 08:30	2.3	268	35	3.6	0
01/10/2023 08:40	2	290	38	4	0
01/10/2023 08:50	1.9	280	38	3.3	0
01/10/2023 09:00	1.9	292	46	3.3	0
01/10/2023 09:10	2.6	247	28	4.4	0
01/10/2023 09:20	2.1	276	47	3.7	0
01/10/2023 09:30	1.8	275	47	3	0
01/10/2023 09:40	2	297	39	3.2	0
01/10/2023 09:50	2.2	318	55	3.9	0
01/10/2023 10:00	2.2	295	43	4.2	0
01/10/2023 10:10	1.9	305	48	3.4	0
01/10/2023 10:20	2.3	303	38	3.6	0
01/10/2023 10:30	1.8	315	46	3.1	0
01/10/2023 10:40	2.1	288	53	3.9	0
01/10/2023 10:50	2.1	311	54	3.6	0
01/10/2023 11:00	2.6	302	46	4.4	0
01/10/2023 11:10	2.6	309	39	4.5	0
01/10/2023 11:20	2.6	327	33	4.1	0
01/10/2023 11:30	2.4	328	29	4.4	0
01/10/2023 11:40	2.7	310	40	5	0
01/10/2023 11:50	2.6	298	43	4.3	0
01/10/2023 12:00	2.8	295	43	4.3	0
01/10/2023 12:10	2.5	289	44	4	0
01/10/2023 12:20	2.6	296	49	4.3	0
01/10/2023 12:30	2.6	261	29	4.1	0
01/10/2023 12:40	2.7	295	49	4.4	0
01/10/2023 12:50	2.4	281	43	4.3	0
01/10/2023 13:00	2.6	299	46	4.8	0
01/10/2023 13:10	2.6	304	46	4.9	0
01/10/2023 13:20	2.5	317	39	4.4	0
01/10/2023 13:30	2.4	320	40	4.2	0
01/10/2023 13:40	2.9	308	40	4.7	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/10/2023 13:50	3	320	34	5.2	0
01/10/2023 14:00	3.1	322	30	4.9	0
01/10/2023 14:10	3	311	34	5.1	0
01/10/2023 14:20	3	327	34	5.2	0
01/10/2023 14:30	3	333	27	4.8	0
01/10/2023 14:40	2.1	318	40	3.6	0
01/10/2023 14:50	2.6	311	36	4.8	0
01/10/2023 15:00	2.9	290	53	4.9	0
01/10/2023 15:10	2.6	302	43	4.6	0
01/10/2023 15:20	3.2	289	31	5.6	0
01/10/2023 15:30	3.2	308	40	5.6	0
01/10/2023 15:40	3.1	300	42	5.1	0
01/10/2023 15:50	3	302	39	5.2	0
01/10/2023 16:00	3.6	322	27	6.3	0
01/10/2023 16:10	3.5	318	31	5.6	0
01/10/2023 16:20	3.4	314	34	5.8	0
01/10/2023 16:30	3.2	307	32	5.9	0
01/10/2023 16:40	3.2	304	37	5.4	0
01/10/2023 16:50	3.3	304	34	5.2	0
01/10/2023 17:00	3.4	311	33	5.5	0
01/10/2023 17:10	2.8	279	39	4.6	0
01/10/2023 17:20	3.2	278	35	5.4	0
01/10/2023 17:30	3.1	278	37	4.6	0
01/10/2023 17:40	3.6	276	33	5.5	0
01/10/2023 17:50	3.7	316	27	5.6	0
01/10/2023 18:00	2.9	284	39	5.4	0
01/10/2023 18:10	3.4	281	32	5.6	0
01/10/2023 18:20	2.8	294	38	5	0
01/10/2023 18:30	2.7	308	39	4.8	0
01/10/2023 18:40	3	274	29	5.1	0
01/10/2023 18:50	3.2	266	25	5.2	0
01/10/2023 19:00	3.1	273	33	4.5	0
01/10/2023 19:10	2.7	278	34	4.8	0
01/10/2023 19:20	2.7	266	27	4.5	0
01/10/2023 19:30	2.5	288	42	4.4	0
01/10/2023 19:40	2.6	297	44	4.5	0
01/10/2023 19:50	3.1	268	32	5.2	0
01/10/2023 20:00	3.5	266	23	5.2	0
01/10/2023 20:10	3.7	258	22	5.9	0
01/10/2023 20:20	3.8	261	23	5.6	0
01/10/2023 20:30	3.5	261	23	5.6	0
01/10/2023 20:40	3.3	273	30	5.3	0
01/10/2023 20:50	3.4	266	25	5.6	0
01/10/2023 21:00	4	258	15	6.8	0
01/10/2023 21:10	4.3	258	17	6.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/10/2023 21:20	4.1	258	18	6.1	0
01/10/2023 21:30	4.2	262	20	7	0
01/10/2023 21:40	4	260	18	6	0
01/10/2023 21:50	4.3	260	18	6.5	0
01/10/2023 22:00	4	260	19	6	0
01/10/2023 22:10	3.6	262	20	5.8	0
01/10/2023 22:20	3.4	261	20	5.2	0
01/10/2023 22:30	2.9	269	22	4.8	0
01/10/2023 22:40	3.6	264	19	5.6	0
01/10/2023 22:50	3.5	256	17	5.8	0
01/10/2023 23:00	3.5	252	18	5	0
01/10/2023 23:10	3.9	262	17	5.8	0
01/10/2023 23:20	3.8	256	17	6.1	0
01/10/2023 23:30	4.2	260	17	6	0
01/10/2023 23:40	3.7	262	20	5.6	0
01/10/2023 23:50	3.4	260	18	4.9	0
01/11/2023 00:00	3.7	260	19	5.4	0
01/11/2023 00:10	3.9	261	20	5.5	0
01/11/2023 00:20	3.7	256	18	5.6	0
01/11/2023 00:30	4	257	16	5.6	0
01/11/2023 00:40	3.8	258	17	5.4	0
01/11/2023 00:50	2.2	268	26	3.8	0
01/11/2023 01:00	2.5	265	22	4.2	0
01/11/2023 01:10	2.7	266	21	4.4	0
01/11/2023 01:20	2.7	263	20	4	0
01/11/2023 01:30	3	267	22	4.4	0
01/11/2023 01:40	2.8	265	22	4	0
01/11/2023 01:50	3.2	258	15	4.5	0
01/11/2023 02:00	2.7	267	24	4.4	0
01/11/2023 02:10	2.6	258	21	4.2	0
01/11/2023 02:20	2.3	263	23	4	0
01/11/2023 02:30	2.9	259	18	5.3	0
01/11/2023 02:40	2.4	262	28	4.4	0
01/11/2023 02:50	2.5	264	22	5	0
01/11/2023 03:00	1.8	269	23	3.5	0
01/11/2023 03:10	2.5	268	21	4	0
01/11/2023 03:20	1.7	275	31	2.7	0
01/11/2023 03:30	2.3	261	23	3.6	0
01/11/2023 03:40	1.9	275	23	3.1	0
01/11/2023 03:50	1.8	292	28	2.8	0
01/11/2023 04:00	2	273	25	3.6	0
01/11/2023 04:10	1.9	287	35	3.2	0
01/11/2023 04:20	2.4	263	20	4.4	0
01/11/2023 04:30	2	272	21	3.9	0
01/11/2023 04:40	2.3	268	17	4.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/11/2023 04:50	2.8	261	17	3.7	0
01/11/2023 05:00	3.2	263	14	4.9	0
01/11/2023 05:10	1.9	261	18	2.9	0
01/11/2023 05:20	2.2	265	14	3.2	0
01/11/2023 05:30	2.6	261	16	3.7	0
01/11/2023 05:40	2.1	259	14	3.1	0
01/11/2023 05:50	2.2	253	15	3.2	0
01/11/2023 06:00	2.4	255	14	3.6	0
01/11/2023 06:10	2.2	254	17	3.4	0
01/11/2023 06:20	2.8	253	17	4	0
01/11/2023 06:30	2.8	254	18	4.4	0
01/11/2023 06:40	3.5	248	15	4.8	0
01/11/2023 06:50	3.1	249	17	4.5	0
01/11/2023 07:00	3.4	244	17	4.8	0
01/11/2023 07:10	3.5	247	15	4.8	0
01/11/2023 07:20	3	212	15	4.4	0
01/11/2023 07:30	2.5	208	22	3.6	0
01/11/2023 07:40	2.3	210	20	3.5	0
01/11/2023 07:50	2.4	196	17	3.3	0
01/11/2023 08:00	2.4	212	23	3.4	0
01/11/2023 08:10	2.1	219	25	3.2	0
01/11/2023 08:20	1.5	177	35	2.7	0
01/11/2023 08:30	1.6	138	36	2.5	0
01/11/2023 08:40	1.7	120	31	2.6	0
01/11/2023 08:50	1.6	121	35	2.8	0
01/11/2023 09:00	1.7	112	30	2.8	0
01/11/2023 09:10	1.9	128	35	3.5	0
01/11/2023 09:20	1.7	123	33	3	0
01/11/2023 09:30	1.9	128	33	3.6	0
01/11/2023 09:40	1.7	116	30	3.2	0
01/11/2023 09:50	1.8	82	26	2.9	0
01/11/2023 10:00	1.4	80	43	2.5	0
01/11/2023 10:10	1.3	60	55	2.4	0
01/11/2023 10:20	1.5	113	47	3.2	0
01/11/2023 10:30	1.5	106	48	2.4	0
01/11/2023 10:40	1.8	64	37	2.8	0
01/11/2023 10:50	2	93	33	3.2	0
01/11/2023 11:00	2.1	70	35	3.2	0
01/11/2023 11:10	2.4	65	28	4	0
01/11/2023 11:20	2.4	63	23	3.8	0
01/11/2023 11:30	2.4	71	23	4.5	0
01/11/2023 11:40	2.7	72	19	4	0
01/11/2023 11:50	2.3	75	26	3.6	0
01/11/2023 12:00	2.5	72	25	4.1	0
01/11/2023 12:10	2.7	76	22	4.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/11/2023 12:20	2.7	73	23	4.1	0
01/11/2023 12:30	2.7	69	25	4.4	0
01/11/2023 12:40	2.4	76	24	4	0
01/11/2023 12:50	2.5	68	26	3.9	0
01/11/2023 13:00	2.2	29	36	4.4	0
01/11/2023 13:10	2.2	14	38	3.6	0
01/11/2023 13:20	3.1	332	26	4.4	0
01/11/2023 13:30	2.6	337	34	4.5	0
01/11/2023 13:40	2.5	10	34	4.1	0
01/11/2023 13:50	2.6	183	31	3.8	0
01/11/2023 14:00	2.7	9	26	4.5	0
01/11/2023 14:10	2.9	3	28	4.8	0
01/11/2023 14:20	2.5	177	36	4	0
01/11/2023 14:30	2.9	344	28	5.2	0
01/11/2023 14:40	3	330	32	4.9	0
01/11/2023 14:50	3.6	321	23	5.6	0
01/11/2023 15:00	3.3	331	27	5.6	0
01/11/2023 15:10	3.5	337	27	6.2	0
01/11/2023 15:20	3.4	326	26	5.6	0
01/11/2023 15:30	3.8	324	28	5.5	0
01/11/2023 15:40	3.1	297	36	5.4	0
01/11/2023 15:50	3.2	308	32	5.1	0
01/11/2023 16:00	3.4	319	30	5.4	0
01/11/2023 16:10	3.1	310	35	5.1	0
01/11/2023 16:20	3.2	288	34	5	0
01/11/2023 16:30	2.7	299	44	4.8	0
01/11/2023 16:40	3.1	275	34	5.2	0
01/11/2023 16:50	3.1	269	29	4.6	0
01/11/2023 17:00	2.8	268	35	4.6	0
01/11/2023 17:10	3.1	263	25	4.8	0
01/11/2023 17:20	3.3	260	22	4.8	0
01/11/2023 17:30	3	255	19	4.2	0
01/11/2023 17:40	4.3	248	14	6.1	0
01/11/2023 17:50	4.7	246	16	6.3	0
01/11/2023 18:00	4.4	246	18	6.1	0
01/11/2023 18:10	4.7	247	16	6.8	0
01/11/2023 18:20	4.5	247	16	6.6	0
01/11/2023 18:30	4.9	251	14	6.6	0
01/11/2023 18:40	4.6	253	15	6.3	0
01/11/2023 18:50	4.5	250	14	6.3	0
01/11/2023 19:00	4.6	250	12	6.8	0
01/11/2023 19:10	4.4	254	15	5.9	0
01/11/2023 19:20	4	253	13	5.4	0
01/11/2023 19:30	4.2	253	13	5.7	0
01/11/2023 19:40	3.5	250	16	4.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/11/2023 19:50	3.7	253	16	5	0
01/11/2023 20:00	3.6	250	14	5.1	0
01/11/2023 20:10	3.4	250	15	5	0
01/11/2023 20:20	3.5	255	13	5	0
01/11/2023 20:30	3.5	257	14	4.6	0
01/11/2023 20:40	3.9	256	15	5.2	0
01/11/2023 20:50	3.9	259	14	5	0
01/11/2023 21:00	3.9	258	13	5.2	0
01/11/2023 21:10	3.3	247	15	4.8	0
01/11/2023 21:20	3.1	253	17	4.5	0
01/11/2023 21:30	3.3	255	14	4.8	0
01/11/2023 21:40	3.3	255	14	4.5	0
01/11/2023 21:50	3.3	255	16	4.5	0
01/11/2023 22:00	3.5	258	14	4.8	0
01/11/2023 22:10	3.1	256	15	4.2	0
01/11/2023 22:20	2.8	256	16	4.3	0
01/11/2023 22:30	3.3	258	15	4.4	0
01/11/2023 22:40	2.8	250	16	4.2	0
01/11/2023 22:50	3.2	255	16	4.5	0
01/11/2023 23:00	3.3	253	16	4.5	0
01/11/2023 23:10	2.7	245	18	4	0
01/11/2023 23:20	3	251	16	4.5	0
01/11/2023 23:30	2.9	247	19	4.2	0
01/11/2023 23:40	3.1	252	20	5.1	0
01/11/2023 23:50	3.8	256	15	5.4	0
01/12/2023 00:00	3.7	259	13	4.9	0
01/12/2023 00:10	3.8	261	13	5	0
01/12/2023 00:20	3.9	260	15	5.2	0
01/12/2023 00:30	3.7	261	14	4.9	0
01/12/2023 00:40	3.6	264	14	5.6	0
01/12/2023 00:50	3.2	267	17	4.7	0
01/12/2023 01:00	3	270	17	4.1	0
01/12/2023 01:10	3.1	268	16	3.9	0
01/12/2023 01:20	2.8	267	14	4.1	0
01/12/2023 01:30	2.9	261	16	5	0
01/12/2023 01:40	3.9	250	20	6.4	0
01/12/2023 01:50	5	245	13	7.2	0
01/12/2023 02:00	4.4	247	14	6	0
01/12/2023 02:10	4.6	242	15	6.4	0
01/12/2023 02:20	4.2	242	16	6.4	0
01/12/2023 02:30	4.2	246	17	6	0
01/12/2023 02:40	4.4	242	17	6.5	0
01/12/2023 02:50	5	245	18	7.2	0
01/12/2023 03:00	4.9	242	16	7.2	0
01/12/2023 03:10	4.3	243	17	6.7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/12/2023 03:20	3.7	247	17	5.8	0
01/12/2023 03:30	4.7	241	18	6.4	0
01/12/2023 03:40	4.3	247	17	6	0
01/12/2023 03:50	4.3	242	18	6.5	0
01/12/2023 04:00	4.4	243	15	6.4	0
01/12/2023 04:10	4.1	244	16	6.1	0
01/12/2023 04:20	3.8	244	15	5.8	0
01/12/2023 04:30	4.2	243	20	6.7	0
01/12/2023 04:40	4.4	245	15	7.2	0
01/12/2023 04:50	4.4	247	17	6.1	0
01/12/2023 05:00	4.1	248	20	6	0
01/12/2023 05:10	4.2	247	15	6.4	0
01/12/2023 05:20	4.2	249	18	6.3	0
01/12/2023 05:30	4	253	16	5.6	0
01/12/2023 05:40	3.5	257	17	4.8	0
01/12/2023 05:50	3.5	262	17	5.2	0
01/12/2023 06:00	3	262	17	4.1	0
01/12/2023 06:10	3.1	267	18	4.6	0
01/12/2023 06:20	3.1	266	16	4.5	0
01/12/2023 06:30	3	266	15	4.4	0
01/12/2023 06:40	3.5	267	18	5.2	0
01/12/2023 06:50	3.7	261	17	4.9	0
01/12/2023 07:00	3.3	265	15	4.7	0
01/12/2023 07:10	3	270	19	4.1	0
01/12/2023 07:20	2.5	258	21	3.6	0
01/12/2023 07:30	2.6	255	18	3.7	0
01/12/2023 07:40	2.6	234	20	3.7	0
01/12/2023 07:50	2.9	221	19	4.4	0
01/12/2023 08:00	2.7	217	26	4	0
01/12/2023 08:10	2.4	209	21	3.7	0
01/12/2023 08:20	2.2	183	33	3.9	0
01/12/2023 08:30	1.6	157	28	2.8	0
01/12/2023 08:40	2.1	121	31	3.2	0
01/12/2023 08:50	1.8	106	27	2.8	0
01/12/2023 09:00	1.6	98	31	2.7	0
01/12/2023 09:10	1.8	113	28	3.2	0
01/12/2023 09:20	1.8	97	28	3	0
01/12/2023 09:30	1.8	108	29	2.8	0
01/12/2023 09:40	1.7	89	32	3.3	0
01/12/2023 09:50	1.7	79	35	2.9	0
01/12/2023 10:00	1.9	78	35	3.3	0
01/12/2023 10:10	2.2	55	26	3.4	0
01/12/2023 10:20	1.7	52	33	3.5	0
01/12/2023 10:30	1.9	56	32	3.5	0
01/12/2023 10:40	2	60	27	3.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/12/2023 10:50	2.7	63	19	4.8	0
01/12/2023 11:00	3.2	42	24	5.4	0
01/12/2023 11:10	3.3	37	20	4.9	0
01/12/2023 11:20	2.8	46	22	4.5	0
01/12/2023 11:30	3.2	46	21	5.1	0
01/12/2023 11:40	3.2	47	22	5.1	0
01/12/2023 11:50	2.6	44	28	4.7	0
01/12/2023 12:00	2.7	45	25	4.5	0
01/12/2023 12:10	2.7	53	25	4.9	0
01/12/2023 12:20	2.7	40	24	4.4	0
01/12/2023 12:30	2.5	52	26	4.4	0
01/12/2023 12:40	2.2	47	31	4.2	0
01/12/2023 12:50	2.5	57	23	4.4	0
01/12/2023 13:00	3	52	24	4.7	0
01/12/2023 13:10	3.2	49	22	5	0
01/12/2023 13:20	3.3	44	21	4.9	0
01/12/2023 13:30	3.5	42	24	5.5	0
01/12/2023 13:40	3.9	52	23	5.5	0
01/12/2023 13:50	3.7	50	27	6.4	0
01/12/2023 14:00	3.7	48	23	6.7	0
01/12/2023 14:10	3.1	24	29	5.4	0
01/12/2023 14:20	3.2	180	25	5.2	0
01/12/2023 14:30	2.8	13	30	4.6	0
01/12/2023 14:40	2.9	4	32	4.8	0
01/12/2023 14:50	2.9	180	30	4.6	0
01/12/2023 15:00	2.8	353	33	4.5	0
01/12/2023 15:10	2.7	348	34	4.6	0
01/12/2023 15:20	3.2	180	32	4.9	0
01/12/2023 15:30	3.3	173	30	5.3	0
01/12/2023 15:40	3.5	350	27	5.3	0
01/12/2023 15:50	2.9	352	37	5	0
01/12/2023 16:00	2.8	327	39	5.2	0
01/12/2023 16:10	3.3	352	29	5.6	0
01/12/2023 16:20	3.2	356	30	5.6	0
01/12/2023 16:30	3.6	186	30	6	0
01/12/2023 16:40	3.5	347	34	5.8	0
01/12/2023 16:50	3.8	323	21	6.7	0
01/12/2023 17:00	3.6	330	27	5.8	0
01/12/2023 17:10	3.3	279	35	5.2	0
01/12/2023 17:20	3.1	267	32	6.3	0
01/12/2023 17:30	3.6	260	24	5.6	0
01/12/2023 17:40	3.3	260	24	5.6	0
01/12/2023 17:50	3.5	260	21	5.2	0
01/12/2023 18:00	4	253	16	5.9	0
01/12/2023 18:10	3.9	250	20	5.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/12/2023 18:20	4.4	248	14	6.9	0
01/12/2023 18:30	4	249	15	6	0
01/12/2023 18:40	3.9	255	16	5.6	0
01/12/2023 18:50	4.3	251	15	6	0
01/12/2023 19:00	3.7	251	16	5.5	0
01/12/2023 19:10	4.3	251	16	6.4	0
01/12/2023 19:20	3.8	247	16	5.8	0
01/12/2023 19:30	3.6	245	16	5.1	0
01/12/2023 19:40	4.3	252	15	6.1	0
01/12/2023 19:50	4.1	252	15	6.4	0
01/12/2023 20:00	4	250	16	5.7	0
01/12/2023 20:10	3.9	253	14	5.6	0
01/12/2023 20:20	4.2	254	13	6	0
01/12/2023 20:30	3.8	255	15	5.4	0
01/12/2023 20:40	4.3	252	17	6.1	0
01/12/2023 20:50	4.7	256	16	6.7	0
01/12/2023 21:00	4.6	252	16	7.1	0
01/12/2023 21:10	4.5	252	14	6.2	0
01/12/2023 21:20	4	252	15	5.6	0
01/12/2023 21:30	3.9	254	15	5.9	0
01/12/2023 21:40	4.1	254	15	5.7	0
01/12/2023 21:50	4.1	258	16	6.1	0
01/12/2023 22:00	3.9	259	15	5.8	0
01/12/2023 22:10	3.7	253	16	5.5	0
01/12/2023 22:20	3.3	257	17	4.9	0
01/12/2023 22:30	3.4	257	13	5	0
01/12/2023 22:40	4.1	259	13	5.5	0
01/12/2023 22:50	3.7	257	15	5.2	0
01/12/2023 23:00	3.5	258	16	5	0
01/12/2023 23:10	3.5	252	14	4.7	0
01/12/2023 23:20	3.6	252	15	5.6	0
01/12/2023 23:30	3.5	257	18	5.2	0
01/12/2023 23:40	3.9	252	16	5.5	0
01/12/2023 23:50	3.9	256	15	5.9	0
13/01/2023 00:00	4	254	14	6	0
13/01/2023 00:10	4	251	17	6	0
13/01/2023 00:20	3.6	249	16	5.6	0
13/01/2023 00:30	3.6	244	20	5.6	0
13/01/2023 00:40	3.5	250	18	5.5	0
13/01/2023 00:50	3.4	254	19	5.4	0
13/01/2023 01:00	3.7	248	22	5.6	0
13/01/2023 01:10	3.9	248	16	5.8	0
13/01/2023 01:20	3.8	249	17	5.9	0
13/01/2023 01:30	3.8	249	19	5.7	0
13/01/2023 01:40	4.1	249	17	5.7	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/01/2023 01:50	4.4	251	18	6.1	0
13/01/2023 02:00	3.9	249	19	6.9	0
13/01/2023 02:10	4.1	246	19	6.6	0
13/01/2023 02:20	4.3	248	15	6	0
13/01/2023 02:30	4.4	248	18	6.3	0
13/01/2023 02:40	4.4	250	15	6.4	0
13/01/2023 02:50	3.5	253	20	5.9	0
13/01/2023 03:00	3.3	252	18	5.9	0
13/01/2023 03:10	3.7	253	17	6	0
13/01/2023 03:20	3.7	256	17	5.6	0
13/01/2023 03:30	3.6	259	15	5.6	0
13/01/2023 03:40	3.5	260	14	5.2	0
13/01/2023 03:50	4	262	12	5.2	0
13/01/2023 04:00	3.8	261	18	5.2	0
13/01/2023 04:10	3.4	262	15	4.8	0
13/01/2023 04:20	3.7	263	16	5.2	0
13/01/2023 04:30	3.6	263	14	5.2	0
13/01/2023 04:40	3.3	268	17	4.7	0
13/01/2023 04:50	3	265	16	4.3	0
13/01/2023 05:00	3	263	16	4.5	0
13/01/2023 05:10	3	261	18	4.4	0
13/01/2023 05:20	3.4	256	15	4.6	0
13/01/2023 05:30	3.2	254	14	4.6	0
13/01/2023 05:40	2.8	251	15	4.3	0
13/01/2023 05:50	1.7	239	27	3	0
13/01/2023 06:00	1.8	237	20	2.8	0
13/01/2023 06:10	2	236	21	3.4	0
13/01/2023 06:20	1.9	234	23	2.8	0
13/01/2023 06:30	1.9	233	21	3.1	0
13/01/2023 06:40	1.5	235	27	2.7	0
13/01/2023 06:50	1.7	252	21	2.3	0
13/01/2023 07:00	2.1	245	19	3.2	0
13/01/2023 07:10	2.1	233	21	3.4	0
13/01/2023 07:20	1.6	234	25	2.5	0
13/01/2023 07:30	2.2	232	19	3.2	0
13/01/2023 07:40	1.9	225	23	3	0
13/01/2023 07:50	1.8	190	26	2.8	0
13/01/2023 08:00	2.1	182	26	3.5	0
13/01/2023 08:10	1.9	163	28	3.4	0
13/01/2023 08:20	1.8	166	24	2.8	0
13/01/2023 08:30	1.9	164	29	3.4	0
13/01/2023 08:40	1.9	133	30	2.8	0
13/01/2023 08:50	1.6	114	30	3	0
13/01/2023 09:00	1.7	100	24	2.8	0
13/01/2023 09:10	1.6	121	31	2.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/01/2023 09:20	1.7	115	34	2.8	0
13/01/2023 09:30	1.7	93	36	3	0
13/01/2023 09:40	1.7	90	37	2.8	0
13/01/2023 09:50	1.9	102	27	3.2	0
13/01/2023 10:00	2	80	24	3.4	0
13/01/2023 10:10	1.7	83	36	3.2	0
13/01/2023 10:20	1.9	63	34	3.5	0
13/01/2023 10:30	2.1	56	23	3.4	0
13/01/2023 10:40	2.1	53	28	3.6	0
13/01/2023 10:50	2.2	63	26	3.6	0
13/01/2023 11:00	2.6	63	23	4.5	0
13/01/2023 11:10	2.8	58	23	4.6	0
13/01/2023 11:20	2.6	42	26	4.4	0
13/01/2023 11:30	2.9	63	21	4.3	0
13/01/2023 11:40	2.9	60	21	4.5	0
13/01/2023 11:50	3.4	55	19	5.3	0
13/01/2023 12:00	3.2	60	25	4.7	0
13/01/2023 12:10	3.2	53	19	5.2	0
13/01/2023 12:20	3.1	51	22	5.5	0
13/01/2023 12:30	3	53	23	4.8	0
13/01/2023 12:40	3.4	43	21	5.4	0
13/01/2023 12:50	3.5	54	22	5.3	0
13/01/2023 13:00	2.7	19	33	4.8	0
13/01/2023 13:10	3.3	9	28	5	0
13/01/2023 13:20	3.3	4	24	4.7	0
13/01/2023 13:30	3.1	7	29	4.8	0
13/01/2023 13:40	2.9	7	31	4.9	0
13/01/2023 13:50	2.8	6	33	4.7	0
13/01/2023 14:00	3.1	9	35	4.9	0
13/01/2023 14:10	3.5	9	26	5.3	0
13/01/2023 14:20	3.5	177	31	5.6	0
13/01/2023 14:30	4	179	31	5.7	0
13/01/2023 14:40	3.9	356	27	6.1	0
13/01/2023 14:50	3.7	1	29	5.6	0
13/01/2023 15:00	3.8	3	30	6.4	0
13/01/2023 15:10	3.8	13	27	6.4	0
13/01/2023 15:20	4.2	181	27	7.2	0
13/01/2023 15:30	3.5	353	30	5.7	0
13/01/2023 15:40	3.7	179	31	6.5	0
13/01/2023 15:50	4.1	172	28	6.4	0
13/01/2023 16:00	4.2	328	24	6.8	0
13/01/2023 16:10	4.4	322	22	7.2	0
13/01/2023 16:20	4.4	326	22	6.8	0
13/01/2023 16:30	4.1	325	21	6.7	0
13/01/2023 16:40	4	325	29	7.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/01/2023 16:50	4	322	24	6.1	0
13/01/2023 17:00	2.9	296	47	4.7	0
13/01/2023 17:10	2.8	268	37	5.4	0
13/01/2023 17:20	3.5	262	27	5.4	0
13/01/2023 17:30	4.1	254	15	6.4	0
13/01/2023 17:40	4.2	255	18	5.7	0
13/01/2023 17:50	4.1	258	22	6.4	0
13/01/2023 18:00	3.6	256	20	5.4	0
13/01/2023 18:10	4.3	249	13	5.6	0
13/01/2023 18:20	3.9	252	13	5.2	0
13/01/2023 18:30	4.2	247	14	5.4	0
13/01/2023 18:40	4.4	252	14	6.2	0
13/01/2023 18:50	4	253	16	5.5	0
13/01/2023 19:00	4.3	258	15	5.7	0
13/01/2023 19:10	4.4	259	15	5.6	0
13/01/2023 19:20	3.7	257	15	5.4	0
13/01/2023 19:30	4	258	14	5.2	0
13/01/2023 19:40	3.6	258	20	5.4	0
13/01/2023 19:50	4.2	253	15	6.8	0
13/01/2023 20:00	4.2	252	14	5.9	0
13/01/2023 20:10	3.7	254	14	5.2	0
13/01/2023 20:20	3.8	251	15	6	0
13/01/2023 20:30	4.1	249	13	5.7	0
13/01/2023 20:40	4.3	251	15	6.3	0
13/01/2023 20:50	4.3	254	13	6	0
13/01/2023 21:00	3.7	255	13	4.9	0
13/01/2023 21:10	3.2	255	15	4.5	0
13/01/2023 21:20	3.3	259	16	4.8	0
13/01/2023 21:30	4.1	262	15	6	0
13/01/2023 21:40	4.2	254	13	5.8	0
13/01/2023 21:50	4.3	263	15	6	0
13/01/2023 22:00	3.8	263	20	6.2	0
13/01/2023 22:10	4.1	261	14	6.5	0
13/01/2023 22:20	3.9	258	14	6	0
13/01/2023 22:30	3.3	260	15	4.8	0
13/01/2023 22:40	3.7	264	16	5	0
13/01/2023 22:50	3.7	265	14	5.2	0
13/01/2023 23:00	3	265	15	4.4	0
13/01/2023 23:10	3.2	262	18	4.4	0
13/01/2023 23:20	3.3	257	14	4.8	0
13/01/2023 23:30	2.7	254	15	4.3	0
13/01/2023 23:40	2.7	261	15	4.1	0
13/01/2023 23:50	4	261	14	5.4	0
14/01/2023 00:00	3.6	260	15	4.8	0
14/01/2023 00:10	3.5	262	14	4.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/01/2023 00:20	3.6	261	13	4.5	0
14/01/2023 00:30	3.4	262	17	4.8	0
14/01/2023 00:40	3.3	266	13	4.8	0
14/01/2023 00:50	3.5	262	15	5	0
14/01/2023 01:00	2.8	274	19	4	0
14/01/2023 01:10	3	268	13	4.2	0
14/01/2023 01:20	2.9	274	18	4.3	0
14/01/2023 01:30	2.9	271	18	4.4	0
14/01/2023 01:40	2.9	280	19	4.3	0
14/01/2023 01:50	2.6	281	21	4.3	0
14/01/2023 02:00	2.7	270	20	4	0
14/01/2023 02:10	2.9	274	16	4.3	0
14/01/2023 02:20	3	265	15	4.4	0
14/01/2023 02:30	3	249	20	4.3	0
14/01/2023 02:40	2.4	227	18	3.7	0
14/01/2023 02:50	2.8	224	17	4.8	0
14/01/2023 03:00	3.4	204	18	5.1	0
14/01/2023 03:10	4.4	193	13	6	0
14/01/2023 03:20	3.7	193	16	6	0
14/01/2023 03:30	3.7	192	15	5.5	0
14/01/2023 03:40	3.8	189	13	5	0
14/01/2023 03:50	4	189	16	6.2	0
14/01/2023 04:00	3.8	187	14	6.1	0
14/01/2023 04:10	3.2	187	17	5.4	0
14/01/2023 04:20	2.4	198	17	4	0
14/01/2023 04:30	2.5	207	15	4.4	0
14/01/2023 04:40	2.3	218	17	3.6	0
14/01/2023 04:50	2.8	233	16	3.8	0
14/01/2023 05:00	2.2	233	16	3.4	0
14/01/2023 05:10	2.1	237	18	3.4	0
14/01/2023 05:20	2.2	238	18	3.6	0
14/01/2023 05:30	1.7	238	19	2.5	0
14/01/2023 05:40	2	236	19	3.2	0
14/01/2023 05:50	1.9	232	19	2.9	0
14/01/2023 06:00	1.9	243	14	2.7	0
14/01/2023 06:10	1.8	238	15	2.7	0
14/01/2023 06:20	1.8	237	16	3	0
14/01/2023 06:30	1.8	239	17	2.6	0
14/01/2023 06:40	1.8	221	17	2.6	0
14/01/2023 06:50	1.7	206	17	2.7	0
14/01/2023 07:00	1.7	184	16	2.8	0
14/01/2023 07:10	1.5	176	20	2.5	0
14/01/2023 07:20	1.3	152	23	2.2	0
14/01/2023 07:30	1.4	133	25	2.6	0
14/01/2023 07:40	1.7	138	24	2.7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/01/2023 07:50	1.5	138	27	2.4	0
14/01/2023 08:00	1.5	122	23	2.4	0
14/01/2023 08:10	1.4	131	28	2.8	0
14/01/2023 08:20	1.7	113	22	2.8	0
14/01/2023 08:30	1.9	104	23	3.2	0
14/01/2023 08:40	1.9	110	28	3.1	0
14/01/2023 08:50	2	104	25	3.4	0
14/01/2023 09:00	2.1	115	27	3.2	0
14/01/2023 09:10	2.9	71	24	5.7	0
14/01/2023 09:20	3.5	65	21	6	0
14/01/2023 09:30	3.6	65	23	6	0
14/01/2023 09:40	4.3	65	19	7.3	0
14/01/2023 09:50	4.3	64	22	7.1	0
14/01/2023 10:00	4.5	66	20	7.6	0
14/01/2023 10:10	4.4	67	19	7.5	0
14/01/2023 10:20	4.8	64	19	6.8	0
14/01/2023 10:30	4.7	64	21	6.8	0
14/01/2023 10:40	4.6	66	21	7.5	0
14/01/2023 10:50	4.8	70	20	7.2	0
14/01/2023 11:00	4.7	68	19	7.4	0
14/01/2023 11:10	4.4	68	21	7.2	0
14/01/2023 11:20	4.6	70	21	7.9	0
14/01/2023 11:30	4.6	75	19	6.8	0
14/01/2023 11:40	4.8	77	20	7.2	0
14/01/2023 11:50	4.7	70	21	7.3	0
14/01/2023 12:00	4.4	70	20	6.8	0
14/01/2023 12:10	4.1	64	22	6.2	0
14/01/2023 12:20	4	63	22	6	0
14/01/2023 12:30	4.1	59	21	6.6	0
14/01/2023 12:40	4.3	56	19	6.9	0
14/01/2023 12:50	4.3	52	24	6.4	0
14/01/2023 13:00	3.7	59	21	6.3	0
14/01/2023 13:10	3.5	61	19	6	0
14/01/2023 13:20	3.4	63	22	5	0
14/01/2023 13:30	3.4	68	20	5.6	0
14/01/2023 13:40	3.3	67	21	5	0
14/01/2023 13:50	3.3	72	20	4.8	0
14/01/2023 14:00	3.1	61	26	4.6	0
14/01/2023 14:10	3.2	48	28	5.6	0
14/01/2023 14:20	3	44	27	5.2	0
14/01/2023 14:30	3.3	39	25	5.5	0
14/01/2023 14:40	2.8	33	31	4.6	0
14/01/2023 14:50	3	179	34	5.2	0
14/01/2023 15:00	3.3	355	27	5.2	0
14/01/2023 15:10	2.9	7	32	4.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/01/2023 15:20	3.1	2	31	5.1	0
14/01/2023 15:30	3.2	8	31	5.5	0
14/01/2023 15:40	3.1	177	34	6.5	0
14/01/2023 15:50	3.8	177	26	5.8	0
14/01/2023 16:00	3.3	5	28	5.7	0
14/01/2023 16:10	3.3	12	32	5.9	0
14/01/2023 16:20	3.8	14	26	5.9	0
14/01/2023 16:30	3.8	18	27	6	0
14/01/2023 16:40	3.8	18	27	6	0
14/01/2023 16:50	3	10	32	5.2	0
14/01/2023 17:00	3.4	188	30	5.2	0
14/01/2023 17:10	3.6	10	33	6	0
14/01/2023 17:20	2.8	188	38	4.8	0
14/01/2023 17:30	2.5	351	40	4.6	0
14/01/2023 17:40	2.8	18	38	5.3	0
14/01/2023 17:50	3.1	339	34	5.1	0
14/01/2023 18:00	3.1	328	31	5.5	0
14/01/2023 18:10	3.3	327	29	5.6	0
14/01/2023 18:20	3	326	28	4.7	0
14/01/2023 18:30	2.6	330	30	4.8	0
14/01/2023 18:40	2.4	335	35	4.1	0
14/01/2023 18:50	2	343	26	3.5	0
14/01/2023 19:00	1.9	355	32	3.1	0
14/01/2023 19:10	1.5	178	32	2.4	0
14/01/2023 19:20	2.1	91	56	3.5	0
14/01/2023 19:30	1.3	336	63	2.1	0
14/01/2023 19:40	1.2	74	34	2.1	0
14/01/2023 19:50	2.1	66	24	3.8	0
14/01/2023 20:00	2.3	59	20	3.4	0
14/01/2023 20:10	2.1	60	24	3.4	0
14/01/2023 20:20	2	59	23	3.2	0
14/01/2023 20:30	1.7	67	21	3.2	0
14/01/2023 20:40	1.8	64	22	3.2	0
14/01/2023 20:50	1.9	58	23	3	0
14/01/2023 21:00	2.2	51	20	3.2	0
14/01/2023 21:10	2	46	20	3.3	0
14/01/2023 21:20	1.9	55	19	3	0
14/01/2023 21:30	2	81	22	3.1	0
14/01/2023 21:40	3.7	81	19	5.8	0
14/01/2023 21:50	3.6	79	21	5.8	0
14/01/2023 22:00	3.5	64	19	5.8	0
14/01/2023 22:10	3.9	66	23	6.2	0
14/01/2023 22:20	3.7	56	23	6.2	0
14/01/2023 22:30	3.5	59	21	5.6	0
14/01/2023 22:40	3.6	73	19	5.7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/01/2023 22:50	3.7	75	22	5.8	0
14/01/2023 23:00	3.4	65	21	5.9	0
14/01/2023 23:10	3.2	69	21	4.4	0
14/01/2023 23:20	3.3	79	21	5.5	0
14/01/2023 23:30	3.1	82	21	5.2	0
14/01/2023 23:40	2.9	65	22	4.7	0
14/01/2023 23:50	2.9	67	20	4.8	0
15/01/2023 00:00	3.1	64	20	5.2	0
15/01/2023 00:10	2.7	57	20	4.7	0
15/01/2023 00:20	2.7	66	20	4	0
15/01/2023 00:30	3.2	54	17	5.1	0
15/01/2023 00:40	4.1	52	17	6.4	0
15/01/2023 00:50	3.5	48	20	5.3	0
15/01/2023 01:00	3.9	46	20	6	0
15/01/2023 01:10	3.7	52	21	6.4	0
15/01/2023 01:20	3.7	50	18	5.6	0
15/01/2023 01:30	3.5	52	19	5.3	0
15/01/2023 01:40	3	56	20	4.9	0
15/01/2023 01:50	3.4	56	18	5.4	0
15/01/2023 02:00	2.9	59	20	4.7	0
15/01/2023 02:10	2.9	55	18	4.6	0
15/01/2023 02:20	3.1	49	20	5.6	0
15/01/2023 02:30	2.8	54	18	4.5	0
15/01/2023 02:40	3.1	51	19	5.1	0
15/01/2023 02:50	2.9	54	21	4.8	0
15/01/2023 03:00	2.7	52	18	4.8	0
15/01/2023 03:10	2.9	45	22	4.4	0
15/01/2023 03:20	3	55	18	5.2	0
15/01/2023 03:30	2.2	66	22	3.7	0
15/01/2023 03:40	2.1	55	19	3.8	0
15/01/2023 03:50	2.5	57	17	4.1	0
15/01/2023 04:00	2.2	54	17	3.5	0
15/01/2023 04:10	2.2	61	22	3.6	0
15/01/2023 04:20	2.1	66	23	3.5	0
15/01/2023 04:30	2	66	20	3.3	0
15/01/2023 04:40	2.1	56	23	3.3	0
15/01/2023 04:50	2.1	58	21	3.7	0
15/01/2023 05:00	2.8	58	21	4.4	0
15/01/2023 05:10	2.7	56	18	4.3	0
15/01/2023 05:20	2.7	60	21	4.6	0
15/01/2023 05:30	2.9	50	20	4.7	0
15/01/2023 05:40	2.3	56	20	3.9	0
15/01/2023 05:50	2	60	22	3.8	0
15/01/2023 06:00	1.8	51	22	3	0
15/01/2023 06:10	1.5	64	21	2.7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/01/2023 06:20	1.2	67	24	1.6	0
15/01/2023 06:30	1.3	62	21	2	0
15/01/2023 06:40	1.3	59	22	2.1	0
15/01/2023 06:50	1.3	65	21	2	0
15/01/2023 07:00	1.5	60	18	2.5	0
15/01/2023 07:10	2	59	22	3.3	0
15/01/2023 07:20	1.5	60	20	2.4	0
15/01/2023 07:30	1.5	65	22	2.4	0
15/01/2023 07:40	1.8	70	21	2.6	0
15/01/2023 07:50	2	63	21	2.9	0
15/01/2023 08:00	2.3	59	20	3.6	0
15/01/2023 08:10	2.4	59	20	3.9	0
15/01/2023 08:20	2.4	71	24	3.9	0
15/01/2023 08:30	2.6	57	19	4.1	0
15/01/2023 08:40	2.4	73	24	3.8	0
15/01/2023 08:50	2.4	66	20	4	0
15/01/2023 09:00	2.9	66	20	4.6	0
15/01/2023 09:10	3.1	61	20	5.2	0
15/01/2023 09:20	3.1	73	22	5	0
15/01/2023 09:30	3.1	76	23	5.1	0
15/01/2023 09:40	3.4	75	23	5.3	0
15/01/2023 09:50	3.2	68	21	5.7	0
15/01/2023 10:00	3.3	63	24	5.8	0
15/01/2023 10:10	3.3	60	22	5.3	0
15/01/2023 10:20	3.7	58	21	5.4	0
15/01/2023 10:30	3.6	70	22	5.8	0
15/01/2023 10:40	3.3	67	22	5.2	0
15/01/2023 10:50	3.5	56	23	5.6	0
15/01/2023 11:00	3.6	77	22	5.7	0
15/01/2023 11:10	3.4	52	22	5.7	0
15/01/2023 11:20	3.7	56	23	6	0
15/01/2023 11:30	3.7	64	20	5.8	0
15/01/2023 11:40	3.6	65	18	6	0
15/01/2023 11:50	3.8	72	19	5.8	0
15/01/2023 12:00	3.6	63	22	5.6	0
15/01/2023 12:10	3.5	70	22	5.2	0
15/01/2023 12:20	3.4	58	23	5.6	0
15/01/2023 12:30	3.3	65	22	5.3	0
15/01/2023 12:40	3.3	72	21	4.8	0
15/01/2023 12:50	3.4	63	21	5.1	0
15/01/2023 13:00	3.4	68	26	5.8	0
15/01/2023 13:10	3.5	74	20	6	0
15/01/2023 13:20	3.5	62	21	5.6	0
15/01/2023 13:30	3.8	53	23	6.4	0
15/01/2023 13:40	4.2	50	22	6.5	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/01/2023 13:50	4.4	50	21	6.7	0
15/01/2023 14:00	4	59	19	6	0
15/01/2023 14:10	3.6	57	22	6.1	0
15/01/2023 14:20	3.8	56	20	6	0
15/01/2023 14:30	4	61	20	5.9	0
15/01/2023 14:40	3.7	55	21	5.9	0
15/01/2023 14:50	3.6	65	20	5.9	0
15/01/2023 15:00	3.5	61	21	5.2	0
15/01/2023 15:10	3.5	59	21	5	0
15/01/2023 15:20	3	47	26	4.4	0
15/01/2023 15:30	2.8	25	39	4.9	0
15/01/2023 15:40	3.2	25	31	5.3	0
15/01/2023 15:50	2.7	6	39	4.9	0
15/01/2023 16:00	3	8	30	5.1	0
15/01/2023 16:10	2.9	184	40	4.7	0
15/01/2023 16:20	2.6	9	34	4.7	0
15/01/2023 16:30	2.4	351	43	4.5	0
15/01/2023 16:40	2.4	354	39	4.4	0
15/01/2023 16:50	2.5	176	39	4.5	0
15/01/2023 17:00	2.8	180	37	4.9	0
15/01/2023 17:10	2.6	180	35	4.4	0
15/01/2023 17:20	2.6	6	33	4.4	0
15/01/2023 17:30	3	11	31	5	0
15/01/2023 17:40	2.3	185	35	4	0
15/01/2023 17:50	2.5	12	38	4.4	0
15/01/2023 18:00	2.3	345	35	4	0
15/01/2023 18:10	2.6	20	32	4.3	0
15/01/2023 18:20	2.3	21	36	4.3	0
15/01/2023 18:30	2.9	331	33	5.5	0
15/01/2023 18:40	2.5	331	36	4.4	0
15/01/2023 18:50	2	336	45	3.9	0
15/01/2023 19:00	2	319	30	3.8	0
15/01/2023 19:10	1.9	324	32	3.2	0
15/01/2023 19:20	1.3	299	45	2.2	0
15/01/2023 19:30	1.6	153	46	2.7	0
15/01/2023 19:40	1.7	351	39	2.5	0
15/01/2023 19:50	1.2	323	57	2.1	0
15/01/2023 20:00	1.3	11	42	2.4	0
15/01/2023 20:10	1.5	7	47	3	0
15/01/2023 20:20	1.4	323	34	2.4	0
15/01/2023 20:30	1.4	314	55	2.4	0
15/01/2023 20:40	1.3	300	46	2.3	0
15/01/2023 20:50	1.3	351	42	2.5	0
15/01/2023 21:00	1.1	157	61	1.8	0
15/01/2023 21:10	1.4	254	33	2.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/01/2023 21:20	1.4	257	37	2.4	0
15/01/2023 21:30	2	262	22	3.1	0
15/01/2023 21:40	2.2	258	23	3.6	0
15/01/2023 21:50	1.6	280	39	2.9	0
15/01/2023 22:00	1.9	260	27	2.8	0
15/01/2023 22:10	1.4	261	23	2.4	0
15/01/2023 22:20	1.4	294	43	2.7	0
15/01/2023 22:30	1.4	278	37	2.4	0
15/01/2023 22:40	1.4	244	19	2.1	0
15/01/2023 22:50	1.9	245	16	2.8	0
15/01/2023 23:00	1.2	256	36	2	0
15/01/2023 23:10	1.4	245	22	2.6	0
15/01/2023 23:20	1.5	251	21	2.2	0
15/01/2023 23:30	1.6	258	24	2.5	0
15/01/2023 23:40	1	235	35	2	0
15/01/2023 23:50	1.7	239	17	2.4	0
16/01/2023 00:00	1.5	240	20	2.3	0
16/01/2023 00:10	1.7	237	14	2.3	0
16/01/2023 00:20	1.7	234	20	2.5	0
16/01/2023 00:30	1.7	239	19	2.6	0
16/01/2023 00:40	1.7	253	18	2.5	0
16/01/2023 00:50	1.9	240	18	2.9	0
16/01/2023 01:00	2.3	249	19	3.3	0
16/01/2023 01:10	2.3	240	15	3.3	0
16/01/2023 01:20	2.3	234	16	3.3	0
16/01/2023 01:30	2.1	235	16	3.1	0
16/01/2023 01:40	2.1	238	18	3.2	0
16/01/2023 01:50	2.3	240	17	3.3	0
16/01/2023 02:00	2.2	237	18	3.2	0
16/01/2023 02:10	2.3	233	17	3.6	0
16/01/2023 02:20	2	242	14	2.6	0
16/01/2023 02:30	2	238	16	2.8	0
16/01/2023 02:40	1.6	252	13	2.5	0
16/01/2023 02:50	1.8	245	12	2.5	0
16/01/2023 03:00	1.8	246	13	2.8	0
16/01/2023 03:10	1.6	252	13	2.2	0
16/01/2023 03:20	1.4	248	16	2.1	0
16/01/2023 03:30	1.1	253	15	1.6	0
16/01/2023 03:40	0.9	247	14	1.3	0
16/01/2023 03:50	1.3	256	11	1.6	0
16/01/2023 04:00	1.3	246	15	2.1	0
16/01/2023 04:10	1.3	269	15	2	0
16/01/2023 04:20	1.4	258	14	2.1	0
16/01/2023 04:30	1.8	262	11	2.6	0
16/01/2023 04:40	1.9	263	16	2.7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/01/2023 04:50	1.1	247	16	2.2	0
16/01/2023 05:00	1.3	256	12	1.8	0
16/01/2023 05:10	0.8	221	18	1.3	0
16/01/2023 05:20	0.1	191	10	0.5	0
16/01/2023 05:30	0.1	159	16	0.4	0
16/01/2023 05:40					0
16/01/2023 05:50	0.4	317	11	0.8	0
16/01/2023 06:00	0.3	333	7	0.7	0
16/01/2023 06:10	0.1	351	7	0.6	0
16/01/2023 06:20					0
16/01/2023 06:30	0.1	209	13	0.7	0
16/01/2023 06:40	0.6	250	27	1	0
16/01/2023 06:50	0.1	183	5	0.8	0
16/01/2023 07:00	0.7	211	29	1.5	0
16/01/2023 07:10	1	241	26	1.6	0
16/01/2023 07:20	0.4	202	20	1	0
16/01/2023 07:30	0.5	134	38	0.9	0
16/01/2023 07:40	0.6	35	38	1	0
16/01/2023 07:50	1.1	146	48	1.9	0
16/01/2023 08:00	1.3	136	33	2.1	0
16/01/2023 08:10	1.6	150	33	2.8	0
16/01/2023 08:20	1.8	146	23	3	0
16/01/2023 08:30	1.7	118	28	2.8	0
16/01/2023 08:40	1.9	107	29	3	0
16/01/2023 08:50	2.1	95	23	3.6	0
16/01/2023 09:00	2.3	89	32	3.9	0
16/01/2023 09:10	2.5	78	31	4.2	0
16/01/2023 09:20	2.7	66	24	4.8	0
16/01/2023 09:30	2.5	69	22	3.6	0
16/01/2023 09:40	2.6	61	25	4.2	0
16/01/2023 09:50	2.8	64	19	4.8	0
16/01/2023 10:00	3	72	23	4.4	0
16/01/2023 10:10	3	55	22	5	0
16/01/2023 10:20	3	60	24	4.3	0
16/01/2023 10:30	3	54	27	4.8	0
16/01/2023 10:40	3	54	23	4.9	0
16/01/2023 10:50	3	51	24	4.7	0
16/01/2023 11:00	3.2	62	19	4.8	0
16/01/2023 11:10	3.2	61	18	4.8	0
16/01/2023 11:20	3	53	25	4.7	0
16/01/2023 11:30	2.7	41	30	4.8	0
16/01/2023 11:40	2.5	185	32	4.3	0
16/01/2023 11:50	2.5	358	37	4.1	0
16/01/2023 12:00	2.2	176	33	3.6	0
16/01/2023 12:10	2.5	356	30	4.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/01/2023 12:20	2.1	3	36	4.2	0
16/01/2023 12:30	2.7	179	34	4.7	0
16/01/2023 12:40	3.1	343	26	4.7	0
16/01/2023 12:50	2.8	347	33	4.5	0
16/01/2023 13:00	2.9	342	33	5.2	0
16/01/2023 13:10	2.5	171	37	4.6	0
16/01/2023 13:20	3.1	342	26	5.5	0
16/01/2023 13:30	3.7	324	23	5.8	0
16/01/2023 13:40	3.5	318	26	5.6	0
16/01/2023 13:50	3.7	335	31	6.2	0
16/01/2023 14:00	3.7	328	30	5.7	0
16/01/2023 14:10	3.9	332	30	7	0
16/01/2023 14:20	3.4	328	32	5.8	0
16/01/2023 14:30	3.9	321	33	6.7	0
16/01/2023 14:40	3.8	328	27	6.2	0
16/01/2023 14:50	3.7	322	30	6.1	0
16/01/2023 15:00	4	330	25	6.4	0
16/01/2023 15:10	3.6	315	32	6	0
16/01/2023 15:20	3.9	312	32	6.3	0
16/01/2023 15:30	3.8	311	32	6.6	0
16/01/2023 15:40	3.8	307	36	5.9	0
16/01/2023 15:50	3.7	314	34	6.3	0
16/01/2023 16:00	3.2	301	43	5.1	0
16/01/2023 16:10	3.2	288	36	6.8	0
16/01/2023 16:20	3.5	262	32	6.4	0
16/01/2023 16:30	3.7	272	38	6	0
16/01/2023 16:40	3.5	304	35	6.4	0
16/01/2023 16:50	2.9	297	44	5.2	0
16/01/2023 17:00	3.7	264	30	5.8	0
16/01/2023 17:10	3.5	257	29	6	0
16/01/2023 17:20	3.1	254	24	5.4	0
16/01/2023 17:30	3.5	254	24	6	0
16/01/2023 17:40	3.8	249	18	5.6	0
16/01/2023 17:50	3.3	257	18	5.2	0
16/01/2023 18:00	3.1	253	17	5.1	0
16/01/2023 18:10	3.9	253	17	5.7	0
16/01/2023 18:20	4.4	249	17	6.4	0
16/01/2023 18:30	4.2	246	17	6	0
16/01/2023 18:40	3.9	244	18	5.6	0
16/01/2023 18:50	4.3	250	16	5.7	0
16/01/2023 19:00	4	246	17	5.5	0
16/01/2023 19:10	3.7	244	19	5.4	0
16/01/2023 19:20	3.9	250	18	5.3	0
16/01/2023 19:30	4.2	252	16	6.4	0
16/01/2023 19:40	3.9	256	15	5.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/01/2023 19:50	3.1	259	19	4.7	0
16/01/2023 20:00	2.6	263	26	4.3	0
16/01/2023 20:10	2.5	266	26	4	0
16/01/2023 20:20	2.5	264	26	4	0
16/01/2023 20:30	2.3	259	23	3.9	0
16/01/2023 20:40	2.8	261	20	4	0
16/01/2023 20:50	2.7	256	16	4.1	0
16/01/2023 21:00	2.5	267	23	4.3	0
16/01/2023 21:10	2.9	254	16	4.3	0
16/01/2023 21:20	3.3	250	16	4.9	0
16/01/2023 21:30	3.6	250	16	5.6	0
16/01/2023 21:40	3.6	253	15	4.8	0
16/01/2023 21:50	3.5	253	16	5.7	0
16/01/2023 22:00	3.7	251	15	5.4	0
16/01/2023 22:10	3.4	256	14	4.9	0
16/01/2023 22:20	2.8	259	18	4	0
16/01/2023 22:30	3.1	258	14	4.6	0
16/01/2023 22:40	3.9	250	15	5.6	0
16/01/2023 22:50	3.8	253	15	5.2	0
16/01/2023 23:00	3.6	258	18	5	0
16/01/2023 23:10	3.4	254	16	5	0
16/01/2023 23:20	3.9	250	14	5.3	0
16/01/2023 23:30	3.7	254	13	5.3	0
16/01/2023 23:40	3.6	253	15	5.1	0
16/01/2023 23:50	3.5	256	16	5.2	0
17/01/2023 00:00	3.2	250	17	4.5	0
17/01/2023 00:10	3	255	14	4.6	0
17/01/2023 00:20	3	248	16	4.3	0
17/01/2023 00:30	2.8	249	18	4.3	0
17/01/2023 00:40	2.8	250	15	4.1	0
17/01/2023 00:50	2.7	252	17	4	0
17/01/2023 01:00	2.3	246	16	3.4	0
17/01/2023 01:10	2.4	247	18	3.6	0
17/01/2023 01:20	1.9	240	15	2.8	0
17/01/2023 01:30	2.1	242	18	2.9	0
17/01/2023 01:40	2.4	241	15	3.6	0
17/01/2023 01:50	2.5	238	16	3.6	0
17/01/2023 02:00	2.4	240	18	3.6	0
17/01/2023 02:10	2.4	239	18	3.3	0
17/01/2023 02:20	2.3	240	17	3.4	0
17/01/2023 02:30	2.2	244	15	3.2	0
17/01/2023 02:40	2.2	252	17	3.1	0
17/01/2023 02:50	2.6	256	15	3.7	0
17/01/2023 03:00	2	255	19	2.8	0
17/01/2023 03:10	2.4	249	15	3.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/01/2023 03:20	2	252	16	2.9	0
17/01/2023 03:30	2.5	257	16	3.6	0
17/01/2023 03:40	2.2	262	16	3.6	0
17/01/2023 03:50	2	253	16	3	0
17/01/2023 04:00	1.8	258	16	2.8	0
17/01/2023 04:10	2	257	15	2.7	0
17/01/2023 04:20	1.2	279	23	1.8	0
17/01/2023 04:30	1.7	261	20	2.8	0
17/01/2023 04:40	1.7	270	19	2.5	0
17/01/2023 04:50	1.4	272	18	2.1	0
17/01/2023 05:00	2	268	24	3.2	0
17/01/2023 05:10	1.7	261	22	2.5	0
17/01/2023 05:20	1.9	257	30	2.9	0
17/01/2023 05:30	2.1	264	25	3.2	0
17/01/2023 05:40	2	257	20	2.8	0
17/01/2023 05:50	1.4	282	39	2.3	0
17/01/2023 06:00	1.4	287	43	2.7	0
17/01/2023 06:10	1.2	277	53	2.8	0
17/01/2023 06:20	1.7	297	32	2.9	0
17/01/2023 06:30	1.6	288	41	2.5	0
17/01/2023 06:40	1.6	278	39	2.8	0
17/01/2023 06:50	1.7	270	38	2.8	0
17/01/2023 07:00	2.4	318	32	3.8	0
17/01/2023 07:10	2.2	306	33	3.4	0
17/01/2023 07:20	2.2	318	32	3.7	0
17/01/2023 07:30	2.3	319	27	3.6	0
17/01/2023 07:40	1.8	307	34	3.4	0
17/01/2023 07:50	2.2	305	38	4	0
17/01/2023 08:00	2.5	317	28	4.1	0
17/01/2023 08:10	2.3	306	38	3.8	0
17/01/2023 08:20	2.4	320	32	3.8	0
17/01/2023 08:30	2.5	312	34	4.3	0
17/01/2023 08:40	2.9	327	33	4.8	0
17/01/2023 08:50	2.5	320	37	4.2	0
17/01/2023 09:00	2.3	300	38	4.4	0
17/01/2023 09:10	3.1	324	32	4.4	0
17/01/2023 09:20	2.4	305	43	4.9	0
17/01/2023 09:30	2.9	317	35	5.2	0
17/01/2023 09:40	3.4	327	23	5.1	0
17/01/2023 09:50	2.5	327	33	4.2	0
17/01/2023 10:00	3.1	329	30	5.5	0
17/01/2023 10:10	3.1	310	38	4.9	0
17/01/2023 10:20	3.2	315	39	5.3	0
17/01/2023 10:30	2.8	292	49	5.9	0
17/01/2023 10:40	3.6	256	26	5.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/01/2023 10:50	2.8	305	41	4.4	0
17/01/2023 11:00	3.5	255	23	5.5	0
17/01/2023 11:10	3.4	275	35	6	0
17/01/2023 11:20	3	287	42	5.2	0
17/01/2023 11:30	3.2	314	36	5.5	0
17/01/2023 11:40	3.2	317	37	5.5	0
17/01/2023 11:50	3.3	323	34	5.4	0
17/01/2023 12:00	3.3	315	36	5.2	0
17/01/2023 12:10	3.2	317	36	5.9	0
17/01/2023 12:20	3.4	326	31	5.5	0
17/01/2023 12:30	3.3	314	32	5.8	0
17/01/2023 12:40	3.3	317	33	5.7	0
17/01/2023 12:50	3.6	324	28	5.6	0
17/01/2023 13:00	3.2	309	41	6	0
17/01/2023 13:10	3.5	272	36	5.4	0
17/01/2023 13:20	3.6	289	44	5.5	0
17/01/2023 13:30	3.5	324	26	5.7	0
17/01/2023 13:40	3.5	323	27	5.6	0
17/01/2023 13:50	3.6	324	35	6	0
17/01/2023 14:00	3.5	323	28	5.9	0
17/01/2023 14:10	3.8	331	25	5.9	0
17/01/2023 14:20	3.6	329	29	6	0
17/01/2023 14:30	3.5	300	43	5.6	0
17/01/2023 14:40	3.6	313	39	5.4	0
17/01/2023 14:50	3.2	301	43	5.6	0
17/01/2023 15:00	3	307	38	5.3	0
17/01/2023 15:10	3.3	291	38	6	0
17/01/2023 15:20	3.6	257	25	5.9	0
17/01/2023 15:30	3.2	295	37	5.5	0
17/01/2023 15:40	3.6	305	38	6	0
17/01/2023 15:50	3.3	289	41	6.1	0
17/01/2023 16:00	3.5	285	37	5.6	0
17/01/2023 16:10	3.3	289	41	5.6	0
17/01/2023 16:20	3.4	292	41	5.7	0
17/01/2023 16:30	3.5	267	30	5.8	0
17/01/2023 16:40	4.4	253	19	6.7	0
17/01/2023 16:50	4.4	258	17	6.8	0
17/01/2023 17:00	5.1	246	18	7	0
17/01/2023 17:10	4.3	253	18	6.2	0
17/01/2023 17:20	4.2	256	18	6.4	0
17/01/2023 17:30	4.7	252	15	6.8	0
17/01/2023 17:40	4.4	255	15	6.9	0
17/01/2023 17:50	4.3	255	17	5.9	0
17/01/2023 18:00	4	254	16	5.6	0
17/01/2023 18:10	3.9	255	15	5.8	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/01/2023 18:20	4.4	247	14	6.2	0
17/01/2023 18:30	3.9	251	16	5.6	0
17/01/2023 18:40	3.2	253	16	4.2	0
17/01/2023 18:50	3	255	19	4.4	0
17/01/2023 19:00	2.3	277	33	3.9	0
17/01/2023 19:10	2.8	274	31	4.4	0
17/01/2023 19:20	3.1	254	21	4.5	0
17/01/2023 19:30	3.3	260	19	5	0
17/01/2023 19:40	3	257	20	4.5	0
17/01/2023 19:50	3.4	255	13	4.8	0
17/01/2023 20:00	3	256	18	4.4	0
17/01/2023 20:10	2.5	256	18	4	0
17/01/2023 20:20	2.6	257	21	3.9	0
17/01/2023 20:30	3	258	13	4.1	0
17/01/2023 20:40	2.6	254	19	4.4	0
17/01/2023 20:50	2.4	251	18	3.8	0
17/01/2023 21:00	2.8	263	18	4	0
17/01/2023 21:10	3.8	252	12	5.2	0
17/01/2023 21:20	3.4	254	16	5.2	0
17/01/2023 21:30	3.6	257	13	5.2	0
17/01/2023 21:40	3.9	246	17	5.9	0
17/01/2023 21:50	3.9	250	18	5.2	0
17/01/2023 22:00	4	255	16	5.6	0
17/01/2023 22:10	3.5	253	17	5.2	0
17/01/2023 22:20	3	251	16	4.5	0
17/01/2023 22:30	2.7	257	20	3.8	0
17/01/2023 22:40	2.7	260	16	4.2	0
17/01/2023 22:50	2.9	260	17	4.5	0
17/01/2023 23:00	3.3	259	15	4.8	0
17/01/2023 23:10	3.1	257	16	4.6	0
17/01/2023 23:20	3.1	257	15	4.6	0
17/01/2023 23:30	2.9	263	14	4.4	0
17/01/2023 23:40	3.4	266	16	4.9	0
17/01/2023 23:50	3.9	252	16	5.6	0
18/01/2023 00:00	3.3	260	17	5.2	0
18/01/2023 00:10	3.3	261	15	4.8	0
18/01/2023 00:20	3.4	260	15	5.1	0
18/01/2023 00:30	3.4	260	12	5	0
18/01/2023 00:40	3.6	260	15	5	0
18/01/2023 00:50	3.3	261	15	4.9	0
18/01/2023 01:00	3.5	260	17	5.6	0
18/01/2023 01:10	2.7	264	23	4	0
18/01/2023 01:20	2.9	262	17	4.7	0
18/01/2023 01:30	3.3	261	17	4.7	0
18/01/2023 01:40	3.6	261	14	4.9	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/01/2023 01:50	2.6	263	16	4	0
18/01/2023 02:00	2.7	267	22	4.2	0
18/01/2023 02:10	2.6	262	17	4.1	0
18/01/2023 02:20	3.3	257	12	4.6	0
18/01/2023 02:30	3.1	260	15	4.4	0
18/01/2023 02:40	2.9	260	18	4.4	0
18/01/2023 02:50	2.5	265	19	3.8	0
18/01/2023 03:00	2.7	259	18	4.2	0
18/01/2023 03:10	2.7	259	21	4	0
18/01/2023 03:20	2.7	264	20	3.8	0
18/01/2023 03:30	3	257	18	4.6	0
18/01/2023 03:40	3.5	257	18	4.9	0
18/01/2023 03:50	3	255	17	4.1	0
18/01/2023 04:00	2.9	258	18	4	0
18/01/2023 04:10	2.3	269	27	3.8	0
18/01/2023 04:20	2.1	270	30	3.6	0
18/01/2023 04:30	2.1	277	34	3.2	0
18/01/2023 04:40	2.1	279	33	3.3	0
18/01/2023 04:50	2.3	264	25	3.3	0
18/01/2023 05:00	2.1	269	34	4.2	0
18/01/2023 05:10	1.7	277	35	3	0
18/01/2023 05:20	2	269	40	3.2	0
18/01/2023 05:30	1.9	277	34	3.7	0
18/01/2023 05:40	1.5	286	40	2.9	0
18/01/2023 05:50	1.7	269	30	2.7	0
18/01/2023 06:00	1.1	242	37	1.8	0
18/01/2023 06:10	1.6	267	22	2.5	0
18/01/2023 06:20	1.9	265	24	3.3	0
18/01/2023 06:30	1.6	241	24	2.5	0
18/01/2023 06:40	1.6	260	22	2.6	0
18/01/2023 06:50	1.9	258	28	3	0
18/01/2023 07:00	1.7	271	29	2.8	0
18/01/2023 07:10	1.8	261	29	3.1	0
18/01/2023 07:20	1.3	289	37	2.2	0
18/01/2023 07:30	1.6	309	51	2.6	0
18/01/2023 07:40	1.6	320	39	2.8	0
18/01/2023 07:50	1.5	336	28	2.7	0
18/01/2023 08:00	1.3	318	44	2.8	0
18/01/2023 08:10	1.5	264	37	2.7	0
18/01/2023 08:20	1.4	317	67	2.8	0
18/01/2023 08:30	1.3	331	53	2.2	0
18/01/2023 08:40	1.8	347	30	3.4	0
18/01/2023 08:50	2	337	27	3.2	0
18/01/2023 09:00	2.1	321	35	3.4	0
18/01/2023 09:10	2.1	322	32	3.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/01/2023 09:20	2.1	321	26	3.9	0
18/01/2023 09:30	2	353	35	3.4	0
18/01/2023 09:40	2.3	328	30	4.1	0
18/01/2023 09:50	2.5	328	33	4.4	0
18/01/2023 10:00	2.1	327	39	3.9	0
18/01/2023 10:10	1.9	334	43	3.5	0
18/01/2023 10:20	2.1	331	33	3.7	0
18/01/2023 10:30	2.2	318	36	3.6	0
18/01/2023 10:40	2.1	322	36	3.4	0
18/01/2023 10:50	1.9	7	35	3.6	0
18/01/2023 11:00	1.9	29	34	3.9	0
18/01/2023 11:10	2.8	53	30	4.4	0
18/01/2023 11:20	4.4	56	18	6.5	0
18/01/2023 11:30	3.3	44	29	5.2	0
18/01/2023 11:40	3	42	25	5.2	0
18/01/2023 11:50	3.4	18	30	7	0
18/01/2023 12:00	3.3	23	28	6.3	0
18/01/2023 12:10	3.4	16	34	5.4	0
18/01/2023 12:20	3.3	17	32	6	0
18/01/2023 12:30	3.3	9	31	5.6	0
18/01/2023 12:40	2.8	13	31	5	0
18/01/2023 12:50	2.8	18	31	4.8	0
18/01/2023 13:00	2.4	18	37	4.4	0
18/01/2023 13:10	2.5	5	30	4	0
18/01/2023 13:20	2.1	189	33	3.2	0
18/01/2023 13:30	2.5	337	34	4	0
18/01/2023 13:40	2	289	45	4.1	0
18/01/2023 13:50	2.5	328	39	4.6	0
18/01/2023 14:00	3.2	317	30	4.7	0
18/01/2023 14:10	2.4	333	51	4.2	0
18/01/2023 14:20	1.8	351	54	3.7	0
18/01/2023 14:30	2.2	334	43	3.9	0
18/01/2023 14:40	2.2	312	45	3.6	0
18/01/2023 14:50	2.1	10	28	3.6	0
18/01/2023 15:00	2.3	353	35	3.8	0
18/01/2023 15:10	2.3	10	36	3.9	0
18/01/2023 15:20	2.1	19	45	3.6	0
18/01/2023 15:30	2.3	176	35	4	0
18/01/2023 15:40	2.1	336	42	4	0
18/01/2023 15:50	2.3	323	37	3.9	0
18/01/2023 16:00	3	329	25	4.8	0
18/01/2023 16:10	2.7	7	35	4.3	0
18/01/2023 16:20	2.7	181	30	4.5	0
18/01/2023 16:30	2.8	185	32	4.8	0
18/01/2023 16:40	3.5	13	27	5.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/01/2023 16:50	3.5	14	23	5.8	0
18/01/2023 17:00	3.1	16	25	4.9	0
18/01/2023 17:10	3.2	22	29	5.2	0
18/01/2023 17:20	3.5	12	29	5.6	0
18/01/2023 17:30	3.6	15	26	5.5	0
18/01/2023 17:40	2.9	349	38	5.6	0
18/01/2023 17:50	3.3	336	29	5.3	0
18/01/2023 18:00	3.2	341	34	5.7	0
18/01/2023 18:10	3	348	33	5.3	0
18/01/2023 18:20	3.1	325	26	5.2	0
18/01/2023 18:30	2.8	322	27	4.8	0
18/01/2023 18:40	3	315	40	4.8	0
18/01/2023 18:50	2.5	316	38	5.1	0
18/01/2023 19:00	2.5	304	36	4.2	0
18/01/2023 19:10	2.1	299	48	4.6	0
18/01/2023 19:20	2	294	41	3.6	0
18/01/2023 19:30	2.1	275	33	3.6	0
18/01/2023 19:40	2.1	295	44	3.6	0
18/01/2023 19:50	2.1	286	36	3.6	0
18/01/2023 20:00	1.9	298	39	3.4	0
18/01/2023 20:10	2.2	268	31	3.7	0
18/01/2023 20:20	2.3	261	19	3.2	0
18/01/2023 20:30	2.3	283	36	3.6	0
18/01/2023 20:40	2.5	254	26	3.8	0
18/01/2023 20:50	2.6	267	31	4	0
18/01/2023 21:00	2.6	265	21	4.1	0
18/01/2023 21:10	2.5	263	20	4	0
18/01/2023 21:20	2.7	257	19	4.4	0
18/01/2023 21:30	3.3	252	16	5	0
18/01/2023 21:40	3.3	251	16	4.5	0
18/01/2023 21:50	2.3	258	21	3.6	0
18/01/2023 22:00	3.3	250	15	4.8	0
18/01/2023 22:10	3.4	252	19	5.1	0
18/01/2023 22:20	2.1	260	21	3.7	0
18/01/2023 22:30	2.2	261	20	3.3	0
18/01/2023 22:40	2.3	248	17	3.7	0
18/01/2023 22:50	1.7	251	22	2.6	0
18/01/2023 23:00	2.2	247	16	3.6	0
18/01/2023 23:10	1.6	270	22	2.7	0
18/01/2023 23:20	1.7	287	26	2.9	0
18/01/2023 23:30	1.7	261	20	2.4	0
18/01/2023 23:40	1.5	278	35	2.7	0
18/01/2023 23:50	1.7	272	33	2.9	0
19/01/2023 00:00	1.6	285	30	2.9	0
19/01/2023 00:10	1.7	258	29	2.7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/01/2023 00:20	1.4	255	31	2.4	0
19/01/2023 00:30	1.4	259	24	2.5	0
19/01/2023 00:40	1.9	261	23	2.8	0
19/01/2023 00:50	1.7	262	25	3.1	0
19/01/2023 01:00	2.4	249	16	4	0
19/01/2023 01:10	2.1	249	16	3.1	0
19/01/2023 01:20	2	246	16	3	0
19/01/2023 01:30	2	246	18	3.3	0
19/01/2023 01:40	1.7	238	22	2.6	0
19/01/2023 01:50	1.7	239	17	2.3	0
19/01/2023 02:00	1.3	249	20	2.3	0
19/01/2023 02:10	1.6	240	19	2.3	0
19/01/2023 02:20	1.6	239	16	2.4	0
19/01/2023 02:30	1.5	246	16	2.2	0
19/01/2023 02:40	1.6	248	17	2.3	0
19/01/2023 02:50	1.7	218	20	2.5	0
19/01/2023 03:00	2.3	226	20	3.6	0
19/01/2023 03:10	2.7	232	16	4	0
19/01/2023 03:20	2.6	247	15	3.7	0
19/01/2023 03:30	2.4	238	18	3.9	0
19/01/2023 03:40	2.1	250	18	3	0
19/01/2023 03:50	1.6	259	15	2.4	0
19/01/2023 04:00	1.5	254	18	2.2	0
19/01/2023 04:10	1.7	231	14	2.7	0
19/01/2023 04:20	2.3	226	17	3.6	0.2
19/01/2023 04:30	2.4	258	14	3.4	0.2
19/01/2023 04:40	2.1	266	14	2.9	0
19/01/2023 04:50	1.7	269	14	2.3	0
19/01/2023 05:00	1.3	291	20	2	0
19/01/2023 05:10	1.2	293	20	1.9	0
19/01/2023 05:20	1.5	310	15	2.2	0
19/01/2023 05:30	1.5	341	18	2.2	0
19/01/2023 05:40	1.1	328	29	2.4	0
19/01/2023 05:50	1	286	21	1.6	0
19/01/2023 06:00	0.7	332	21	1.2	0
19/01/2023 06:10	0.3	176	12	0.8	0
19/01/2023 06:20	0.2	173	16	0.7	0
19/01/2023 06:30	0.2	340	26	0.8	0
19/01/2023 06:40	0.1	160	11	0.8	0
19/01/2023 06:50	0.8	49	10	1.6	0
19/01/2023 07:00	2.4	44	19	4.3	0
19/01/2023 07:10	2.3	44	21	4	0
19/01/2023 07:20	2.8	43	21	4.7	0.8
19/01/2023 07:30	1.8	46	18	2.6	0.2
19/01/2023 07:40	0.5	189	16	1.2	0.2



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/01/2023 07:50	0.9	332	19	1.6	0
19/01/2023 08:00	1.4	75	23	2.3	0
19/01/2023 08:10	1.5	40	20	2.5	0
19/01/2023 08:20	1.7	43	19	3.2	0
19/01/2023 08:30	2.8	52	14	4.4	0
19/01/2023 08:40	2.6	51	18	4.5	0
19/01/2023 08:50	2.9	52	19	4.7	0
19/01/2023 09:00	3.1	51	18	5.4	0
19/01/2023 09:10	2.9	50	16	4.4	0
19/01/2023 09:20	2.9	49	17	4.5	0
19/01/2023 09:30	2.3	56	19	3.7	0
19/01/2023 09:40	2.3	79	22	4.1	0
19/01/2023 09:50	2.3	81	18	3.6	0
19/01/2023 10:00	1.9	102	27	3.6	0.1
19/01/2023 10:10	2	87	21	3.2	0
19/01/2023 10:20	2.4	88	23	3.9	0
19/01/2023 10:30	2.2	82	24	3.6	0
19/01/2023 10:40	2.4	81	21	4	0
19/01/2023 10:50	2.6	85	19	4.3	0
19/01/2023 11:00	2.9	87	22	4.6	0
19/01/2023 11:10	2.6	92	20	3.8	0
19/01/2023 11:20	2.3	104	30	3.9	0
19/01/2023 11:30	2.2	103	31	4	0
19/01/2023 11:40	2.4	104	27	4	0
19/01/2023 11:50	3	87	23	5.1	0
19/01/2023 12:00	2.7	83	20	4.7	0
19/01/2023 12:10	2.8	90	25	4.4	0
19/01/2023 12:20	2.9	91	25	5	0
19/01/2023 12:30	3.1	93	27	5.4	0
19/01/2023 12:40	3.5	89	23	6.4	0
19/01/2023 12:50	3.1	89	22	5.1	0
19/01/2023 13:00	3.4	90	23	5.4	0
19/01/2023 13:10	3.4	73	20	5.2	0
19/01/2023 13:20	3.2	77	21	5.5	0
19/01/2023 13:30	3.5	86	21	6.1	0
19/01/2023 13:40	3.1	74	22	5.1	0
19/01/2023 13:50	2.8	64	21	4.4	0
19/01/2023 14:00	3.1	64	19	5.2	0
19/01/2023 14:10	3.2	65	21	5.3	0
19/01/2023 14:20	3.1	62	20	4.8	0
19/01/2023 14:30	2.9	66	21	4.5	0
19/01/2023 14:40	2.9	60	21	4.4	0
19/01/2023 14:50	3.1	55	19	5.2	0
19/01/2023 15:00	3.2	53	23	5.4	0
19/01/2023 15:10	3	48	24	4.5	0



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/01/2023 15:20	3.1	44	22	4.7	0
19/01/2023 15:30	2.8	50	23	5	0
19/01/2023 15:40	2.6	54	21	4	0
19/01/2023 15:50	2.8	63	23	4.8	0
19/01/2023 16:00	3	67	21	4.5	0
19/01/2023 16:10	2.6	61	21	4.7	0
19/01/2023 16:20	2.8	60	23	4.2	0
19/01/2023 16:30	2.9	47	21	4.6	0
19/01/2023 16:40	2.7	46	22	4	0
19/01/2023 16:50	2.6	52	23	4	0
19/01/2023 17:00	2.6	52	20	4.1	0
19/01/2023 17:10	3.1	48	17	4.8	0
19/01/2023 17:20	2.9	47	20	4.2	0
19/01/2023 17:30	2.9	43	20	4	0
19/01/2023 17:40	2.6	48	23	4	0
19/01/2023 17:50	2.1	43	29	3.4	0
19/01/2023 18:00	2.1	40	23	4	0
19/01/2023 18:10	1.8	22	30	3	0
19/01/2023 18:20	1.9	9	31	2.9	0
19/01/2023 18:30	2	11	30	3.5	0
19/01/2023 18:40	2.1	12	33	3.6	0
19/01/2023 18:50	1.8	189	31	2.9	0
19/01/2023 19:00	1.5	12	33	2.4	0
19/01/2023 19:10	1.9	5	31	3.2	0
19/01/2023 19:20	1.5	177	34	2.4	0
19/01/2023 19:30	1.6	337	28	2.8	0
19/01/2023 19:40	1.6	346	33	2.6	0
19/01/2023 19:50	1.8	326	33	3	0
19/01/2023 20:00	2.1	320	28	4	0
19/01/2023 20:10	1.5	318	50	3.3	0
19/01/2023 20:20	1.7	306	37	2.8	0
19/01/2023 20:30	1.4	309	42	2.7	0
19/01/2023 20:40	1.9	312	35	3	0
19/01/2023 20:50	1.7	312	37	2.8	0
19/01/2023 21:00	1.4	296	41	2.7	0
19/01/2023 21:10	1.7	274	38	2.8	0
19/01/2023 21:20	1.4	273	36	2.5	0
19/01/2023 21:30	1.3	317	40	2.1	0
19/01/2023 21:40	1.2	17	32	2	0
19/01/2023 21:50	1.6	20	29	2.5	0
19/01/2023 22:00	1.9	24	25	2.9	0
19/01/2023 22:10	1.9	9	30	3.2	0
19/01/2023 22:20	1.5	348	37	2.8	0
19/01/2023 22:30	0.9	180	43	1.7	0
19/01/2023 22:40	1.6	319	30	2.7	0



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/01/2023 22:50	1.3	347	40	2.4	0
19/01/2023 23:00	0.7	317	52	1.2	0
19/01/2023 23:10	0.7	219	34	1.2	0
19/01/2023 23:20	0.8	256	30	1.3	0
19/01/2023 23:30	1	279	23	1.7	0
19/01/2023 23:40	0.7	277	35	1.2	0
19/01/2023 23:50	0.7	306	20	1.3	0
20/01/2023 00:00	1.3	315	36	2.3	0
20/01/2023 00:10	1.3	267	28	2	0
20/01/2023 00:20	1.5	243	19	2.3	0
20/01/2023 00:30	1.9	246	18	3.6	0
20/01/2023 00:40	1.9	258	21	3.9	0
20/01/2023 00:50	2.2	242	21	3.4	0
20/01/2023 01:00	2.5	238	19	3.7	0
20/01/2023 01:10	2.2	209	18	3.4	0
20/01/2023 01:20	2.5	206	16	3.6	0
20/01/2023 01:30	2.9	204	17	4.8	0
20/01/2023 01:40	2.8	200	18	3.6	0
20/01/2023 01:50	2.4	199	15	3.8	0
20/01/2023 02:00	1.7	195	24	3	1.1
20/01/2023 02:10	2.5	242	22	4	0.6
20/01/2023 02:20	1.9	277	23	2.7	0
20/01/2023 02:30	1.7	277	19	2.8	0
20/01/2023 02:40	1.5	297	21	2.4	0
20/01/2023 02:50	1.7	278	19	2.8	0
20/01/2023 03:00	2.1	269	22	3.3	0
20/01/2023 03:10	2	278	32	3.1	0
20/01/2023 03:20	1.4	295	38	2.6	0
20/01/2023 03:30	2	301	26	3.2	0
20/01/2023 03:40	2	300	32	3.3	0
20/01/2023 03:50	2.6	263	20	4	0
20/01/2023 04:00	1.8	271	21	2.8	0
20/01/2023 04:10	1.3	290	29	1.9	0
20/01/2023 04:20	1.3	281	20	2	0
20/01/2023 04:30	1.7	280	19	2.4	0
20/01/2023 04:40	1.7	274	21	2.5	0
20/01/2023 04:50	2.2	265	17	3.1	0
20/01/2023 05:00	2.4	260	15	3.3	0
20/01/2023 05:10	2.2	263	13	3	0
20/01/2023 05:20	2.3	262	12	3.3	0
20/01/2023 05:30	2	251	15	3.2	0
20/01/2023 05:40	2	253	17	3.1	0
20/01/2023 05:50	1.7	246	18	2.8	0
20/01/2023 06:00	2.2	246	15	3.2	0
20/01/2023 06:10	2.2	244	16	3.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/01/2023 06:20	2.7	243	15	3.9	0
20/01/2023 06:30	2.2	239	18	3.3	0
20/01/2023 06:40	2.6	240	19	4	0
20/01/2023 06:50	2.8	230	15	3.8	0
20/01/2023 07:00	2.8	226	15	4	0
20/01/2023 07:10	3.3	225	18	5.2	0
20/01/2023 07:20	2.7	222	18	4.7	0
20/01/2023 07:30	2.8	232	16	4.4	0
20/01/2023 07:40	2.7	209	20	3.9	0
20/01/2023 07:50	2.9	214	24	4	0
20/01/2023 08:00	2.6	232	25	3.5	0
20/01/2023 08:10	2.6	258	20	4	0
20/01/2023 08:20	2.5	261	20	4.1	0
20/01/2023 08:30	2.6	259	17	3.5	0
20/01/2023 08:40	1.7	263	22	2.6	0
20/01/2023 08:50	2.3	257	18	3.6	0
20/01/2023 09:00	2.3	254	14	3.1	0
20/01/2023 09:10	2	262	17	2.7	0
20/01/2023 09:20	2.1	262	28	3.4	0
20/01/2023 09:30	2.1	254	27	3.1	0
20/01/2023 09:40	2	246	33	3.3	0
20/01/2023 09:50	1.5	303	44	2.2	0
20/01/2023 10:00	1.4	328	48	2.3	0
20/01/2023 10:10	1.6	198	34	2.6	0
20/01/2023 10:20	1.2	127	66	2	0
20/01/2023 10:30	1.4	52	67	2.8	0
20/01/2023 10:40	2.3	327	25	3.6	0
20/01/2023 10:50	2.4	320	24	3.6	0
20/01/2023 11:00	2.1	312	35	3.2	0
20/01/2023 11:10	2.2	331	32	3.6	0
20/01/2023 11:20	2.2	336	41	4	0
20/01/2023 11:30	1.7	351	32	2.8	0
20/01/2023 11:40	2.1	347	34	3.6	0
20/01/2023 11:50	2.3	324	28	3.8	0
20/01/2023 12:00	2.2	169	44	3.8	0
20/01/2023 12:10	2.3	355	36	3.6	0
20/01/2023 12:20	2.2	17	32	3.6	0
20/01/2023 12:30	2.7	51	27	4.4	0
20/01/2023 12:40	2.7	62	26	4.8	0
20/01/2023 12:50	2.7	53	26	4.4	0
20/01/2023 13:00	2.5	50	36	4.7	0
20/01/2023 13:10	1.7	325	70	2.8	0
20/01/2023 13:20	2.3	352	42	5.1	0
20/01/2023 13:30	3.1	337	29	4.9	0
20/01/2023 13:40	2.3	174	33	3.9	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/01/2023 13:50	2.2	18	39	3.4	0
20/01/2023 14:00	2.8	172	39	4.3	0
20/01/2023 14:10	2.6	11	38	4.4	0
20/01/2023 14:20	2.7	349	34	4.5	0
20/01/2023 14:30	2.6	7	30	4.8	0
20/01/2023 14:40	2.4	12	30	4.1	0
20/01/2023 14:50	2.6	17	31	4.4	0
20/01/2023 15:00	2.8	7	32	5.3	0
20/01/2023 15:10	2.6	12	40	4.8	0
20/01/2023 15:20	2.6	185	33	4.9	0
20/01/2023 15:30	3.1	14	24	5.5	0
20/01/2023 15:40	2.8	15	32	4.7	0
20/01/2023 15:50	2.5	14	35	4.4	0
20/01/2023 16:00	2.8	347	30	4.6	0
20/01/2023 16:10	3.2	345	34	6.3	0
20/01/2023 16:20	3	343	35	5.4	0
20/01/2023 16:30	3.2	319	28	5.9	0
20/01/2023 16:40	3	285	37	4.8	0
20/01/2023 16:50	3	314	35	4.6	0
20/01/2023 17:00	3.3	326	35	5.3	0
20/01/2023 17:10	3.4	330	27	5.6	0
20/01/2023 17:20	2.7	308	38	4.6	0
20/01/2023 17:30	3.1	316	33	5	0
20/01/2023 17:40	2.6	309	36	4.4	0
20/01/2023 17:50	2.8	312	39	4.6	0
20/01/2023 18:00	2.8	271	34	5.2	0
20/01/2023 18:10	3	255	26	4.9	0
20/01/2023 18:20	2.7	264	28	4.3	0
20/01/2023 18:30	2.3	270	31	4	0
20/01/2023 18:40	2.4	295	39	4.3	0
20/01/2023 18:50	2	286	41	4	0
20/01/2023 19:00	2.2	269	34	3.2	0
20/01/2023 19:10	2	263	24	3.9	0
20/01/2023 19:20	2	265	34	3.3	0
20/01/2023 19:30	1.9	257	24	3.2	0
20/01/2023 19:40	2.4	247	15	4.2	0
20/01/2023 19:50	2.3	241	19	3.2	0
20/01/2023 20:00	2.3	232	21	3.2	0
20/01/2023 20:10	2.8	248	14	4.1	0
20/01/2023 20:20	3.3	252	14	4.4	0
20/01/2023 20:30	3.1	253	17	4.4	0
20/01/2023 20:40	3	251	14	4.5	0
20/01/2023 20:50	2.9	257	19	4.7	0
20/01/2023 21:00	2.1	261	27	3.6	0
20/01/2023 21:10	2.1	267	32	3.7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/01/2023 21:20	1.5	279	44	2.8	0
20/01/2023 21:30	1.9	265	28	3	0
20/01/2023 21:40	1.9	260	31	3.2	0
20/01/2023 21:50	1.6	259	25	2.8	0
20/01/2023 22:00	2.1	253	18	3	0
20/01/2023 22:10	2.5	251	17	3.7	0
20/01/2023 22:20	3	253	15	4	0
20/01/2023 22:30	2.3	250	16	3.2	0
20/01/2023 22:40	2.3	249	17	3.4	0
20/01/2023 22:50	2.3	245	17	3.2	0
20/01/2023 23:00	2.1	245	20	3	0
20/01/2023 23:10	1.9	242	17	3	0
20/01/2023 23:20	1.9	246	20	2.7	0
20/01/2023 23:30	1.5	240	18	2.2	0
20/01/2023 23:40	1.6	259	16	2.3	0
20/01/2023 23:50	1.3	258	16	2	0
21/01/2023 00:00	0.8	268	27	1.2	0
21/01/2023 00:10	0.9	340	21	1.5	0
21/01/2023 00:20	0.8	10	30	1.2	0
21/01/2023 00:30	1.1	189	28	1.9	0
21/01/2023 00:40	1.1	73	22	1.8	0
21/01/2023 00:50	1.1	108	35	2	0
21/01/2023 01:00	1.5	102	29	2.7	0
21/01/2023 01:10	1	108	32	1.6	0
21/01/2023 01:20	1.4	207	18	2.8	0
21/01/2023 01:30	2.1	237	19	3.7	0
21/01/2023 01:40	2	223	18	2.9	0
21/01/2023 01:50	1.7	222	20	2.8	0
21/01/2023 02:00	1.8	214	23	2.8	0
21/01/2023 02:10	2.1	195	20	3.3	0
21/01/2023 02:20	1.4	149	24	2.2	0
21/01/2023 02:30	1	158	24	1.9	0
21/01/2023 02:40	0.8	139	36	1.6	0
21/01/2023 02:50	0.5	137	28	1	0
21/01/2023 03:00	0.7	144	29	1.4	0
21/01/2023 03:10	1.1	159	28	2	0
21/01/2023 03:20	1.1	150	28	2.1	0
21/01/2023 03:30	1.1	142	31	2.1	0
21/01/2023 03:40	0.9	142	27	1.9	0
21/01/2023 03:50	0.7	142	34	1.5	0
21/01/2023 04:00	0.7	140	25	1.6	0
21/01/2023 04:10	0.4	123	22	1.2	0
21/01/2023 04:20	0.1	97	13	0.5	0
21/01/2023 04:30	0.5	51	16	0.9	0
21/01/2023 04:40	0.4	48	13	0.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/01/2023 04:50	0.1	53	7	0.6	0
21/01/2023 05:00	0.5	21	13	0.9	0
21/01/2023 05:10	0.4	25	8	0.8	0
21/01/2023 05:20	0.2	31	5	0.6	0
21/01/2023 05:30	0.1	22	6	0.5	0
21/01/2023 05:40	0.2	58	8	0.6	0
21/01/2023 05:50	0.1	186	6	0.6	0
21/01/2023 06:00					0
21/01/2023 06:10	0.6	43	12	1.4	0
21/01/2023 06:20	1	61	20	1.6	0
21/01/2023 06:30	1.4	75	22	3.2	0
21/01/2023 06:40	1.6	71	20	3.1	0
21/01/2023 06:50	1.6	75	19	2.5	0
21/01/2023 07:00	1.6	82	28	2.6	0
21/01/2023 07:10	1.8	64	22	3.1	0
21/01/2023 07:20	1.6	34	25	2.6	0
21/01/2023 07:30	1.8	42	23	2.8	0
21/01/2023 07:40	2.2	58	20	3.5	0
21/01/2023 07:50	2.2	68	22	3.2	0
21/01/2023 08:00	2.1	55	22	3.7	0
21/01/2023 08:10	2.3	70	23	3.6	0
21/01/2023 08:20	2.4	83	22	3.6	0
21/01/2023 08:30	2.4	78	19	3.9	0
21/01/2023 08:40	2.3	82	22	3.5	0
21/01/2023 08:50	2.4	74	20	4	0
21/01/2023 09:00	2.6	74	21	4.2	0
21/01/2023 09:10	2.6	78	19	4.5	0
21/01/2023 09:20	2.5	75	21	4	0
21/01/2023 09:30	2.7	78	23	4.1	0
21/01/2023 09:40	2.5	71	23	3.9	0
21/01/2023 09:50	2.5	61	23	4.1	0
21/01/2023 10:00	2.5	64	22	4	0
21/01/2023 10:10	2.4	77	20	4.8	0
21/01/2023 10:20	2.4	72	23	4.1	0
21/01/2023 10:30	2.6	66	23	4	0
21/01/2023 10:40	2.3	67	24	3.8	0
21/01/2023 10:50	2.3	68	22	3.5	0
21/01/2023 11:00	2.4	90	25	4.2	0
21/01/2023 11:10	2.3	84	25	3.6	0
21/01/2023 11:20	0.5	64	9	4.4	0
21/01/2023 11:30					0
21/01/2023 11:40					0
21/01/2023 11:50					0
21/01/2023 12:00					0
21/01/2023 12:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/01/2023 12:20					0
21/01/2023 12:30					0
21/01/2023 12:40					0
21/01/2023 12:50					0
21/01/2023 13:00					0
21/01/2023 13:10					0
21/01/2023 13:20					0
21/01/2023 13:30					0
21/01/2023 13:40					0
21/01/2023 13:50					0
21/01/2023 14:00					0
21/01/2023 14:10					0
21/01/2023 14:20					0
21/01/2023 14:30					0
21/01/2023 14:40					0
21/01/2023 14:50					0
21/01/2023 15:00					0
21/01/2023 15:10	0	43	4	0.6	0
21/01/2023 15:20					0
21/01/2023 15:30	0.2	1	13	1.9	0
21/01/2023 15:40	0	44	1	1.7	0
21/01/2023 15:50					0
21/01/2023 16:00					0
21/01/2023 16:10					0
21/01/2023 16:20					0
21/01/2023 16:30					0
21/01/2023 16:40					0
21/01/2023 16:50					0
21/01/2023 17:00					0
21/01/2023 17:10					0
21/01/2023 17:20					0
21/01/2023 17:30					0
21/01/2023 17:40					0
21/01/2023 17:50					0
21/01/2023 18:00					0
21/01/2023 18:10					0
21/01/2023 18:20					0
21/01/2023 18:30	2.5	327	28	4.4	0
21/01/2023 18:40	2.3	346	34	4.7	0
21/01/2023 18:50	2.8	327	32	4.3	0
21/01/2023 19:00	2.2	327	28	4.2	0
21/01/2023 19:10	1.8	317	32	3.2	0
21/01/2023 19:20	1.8	317	37	3.2	0
21/01/2023 19:30	1.5	292	46	2.4	0
21/01/2023 19:40	1.8	341	33	2.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/01/2023 19:50	1.7	163	37	3	0
21/01/2023 20:00	1.5	339	32	3.1	0
21/01/2023 20:10	1.5	188	35	2.6	0
21/01/2023 20:20	1.4	175	36	2.4	0
21/01/2023 20:30	1.1	341	46	2.1	0
21/01/2023 20:40	1.3	340	40	2.5	0
21/01/2023 20:50	1.3	183	32	2.3	0
21/01/2023 21:00	1.6	351	32	2.7	0
21/01/2023 21:10	1.2	187	41	2.3	0
21/01/2023 21:20	1.3	338	41	2.4	0
21/01/2023 21:30	1.2	335	34	2.4	0
21/01/2023 21:40	1.4	324	42	2.4	0
21/01/2023 21:50	1.1	316	37	2	0
21/01/2023 22:00	0.9	289	40	1.8	0
21/01/2023 22:10	1	317	32	1.7	0
21/01/2023 22:20	0.9	338	26	1.7	0
21/01/2023 22:30	0.7	338	43	1.5	0
21/01/2023 22:40	1	325	31	1.8	0
21/01/2023 22:50	0.9	341	39	1.7	0
21/01/2023 23:00	0.9	179	27	1.5	0
21/01/2023 23:10	0.4	249	40	0.8	0
21/01/2023 23:20	0.4	38	26	1	0
21/01/2023 23:30	0.6	318	32	1.1	0
21/01/2023 23:40	0.4	266	18	1	0
21/01/2023 23:50	1	177	24	1.3	0
22/01/2023 00:00	0.8	48	22	1.3	0
22/01/2023 00:10	0.6	46	23	1.2	0
22/01/2023 00:20	0.7	31	28	1.3	0
22/01/2023 00:30	0.5	29	35	1.2	0
22/01/2023 00:40	0.4	331	21	0.9	0
22/01/2023 00:50	1	350	20	1.8	0
22/01/2023 01:00	1.1	347	24	1.9	0
22/01/2023 01:10	0.7	311	20	1.4	0
22/01/2023 01:20	0.9	310	33	1.7	0
22/01/2023 01:30	0.9	292	40	1.4	0
22/01/2023 01:40	0.9	312	30	1.4	0
22/01/2023 01:50	0.7	300	23	1.3	0
22/01/2023 02:00	1.1	327	17	1.9	0
22/01/2023 02:10	0.9	294	23	1.6	0
22/01/2023 02:20	0.7	320	29	1.4	0
22/01/2023 02:30	0.8	334	20	1.2	0
22/01/2023 02:40	0.4	175	23	1	0
22/01/2023 02:50	0.9	29	19	1.6	0
22/01/2023 03:00	0.8	32	31	1.6	0
22/01/2023 03:10	0.2	193	16	0.7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/01/2023 03:20	0.6	331	18	1.2	0
22/01/2023 03:30	0.4	346	16	1	0
22/01/2023 03:40	0.7	321	18	1.2	0
22/01/2023 03:50	0.4	282	25	1.4	0
22/01/2023 04:00	0.4	307	30	1.1	0
22/01/2023 04:10	1.3	320	20	2.3	0
22/01/2023 04:20	0.9	332	35	1.7	0
22/01/2023 04:30	1	308	28	1.7	0
22/01/2023 04:40	1.1	259	29	1.7	0
22/01/2023 04:50	0.7	273	25	1.5	0
22/01/2023 05:00	0.8	233	19	1.3	0
22/01/2023 05:10	0.7	249	14	1.3	0
22/01/2023 05:20	1	252	13	1.5	0
22/01/2023 05:30	1	243	13	1.5	0
22/01/2023 05:40	0.7	257	15	1.1	0
22/01/2023 05:50	1.3	244	12	1.8	0
22/01/2023 06:00	1.1	258	16	1.5	0
22/01/2023 06:10	0.6	291	25	1.1	0
22/01/2023 06:20	1.2	254	19	1.6	0
22/01/2023 06:30	1.5	241	20	2.2	0
22/01/2023 06:40	1.4	247	29	2.4	0
22/01/2023 06:50	1.6	237	21	2.7	0
22/01/2023 07:00	1.2	237	22	2.1	0
22/01/2023 07:10	1.3	234	27	2.1	0
22/01/2023 07:20	1.2	241	43	2.1	0
22/01/2023 07:30	1.1	254	25	1.9	0
22/01/2023 07:40	0.6	198	59	1.2	0
22/01/2023 07:50	0.7	273	40	1.4	0
22/01/2023 08:00	1.1	281	24	1.7	0
22/01/2023 08:10	0.5	338	36	1.2	0
22/01/2023 08:20	1.2	339	31	1.9	0
22/01/2023 08:30	1.4	323	33	2.3	0
22/01/2023 08:40	1.5	269	63	2.7	0
22/01/2023 08:50	1.4	154	48	2.9	0
22/01/2023 09:00	1.8	8	31	3	0
22/01/2023 09:10	1.2	193	32	2	0
22/01/2023 09:20	1.4	306	58	2.6	0
22/01/2023 09:30	1.5	322	38	2.5	0
22/01/2023 09:40	1.7	317	27	2.4	0
22/01/2023 09:50	1.8	297	40	2.8	0
22/01/2023 10:00	1.6	139	45	2.5	0
22/01/2023 10:10	1.3	320	78	2.5	0
22/01/2023 10:20	1.8	310	40	2.9	0
22/01/2023 10:30	1.7	343	31	3	0
22/01/2023 10:40	1.6	179	50	2.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/01/2023 10:50	2.1	172	52	3.5	0
22/01/2023 11:00	2.3	342	33	3.8	0
22/01/2023 11:10	2.6	320	32	4	0
22/01/2023 11:20	2.6	322	37	4.3	0
22/01/2023 11:30	2.8	332	25	4.2	0
22/01/2023 11:40	2.5	329	31	4.4	0
22/01/2023 11:50	2.2	339	35	3.8	0
22/01/2023 12:00	2.7	348	32	4.4	0
22/01/2023 12:10	2.6	341	34	4.4	0
22/01/2023 12:20	2.1	176	34	4.5	0
22/01/2023 12:30	2.9	334	27	4.3	0
22/01/2023 12:40	2.9	337	27	4.5	0
22/01/2023 12:50	2.8	172	35	5	0
22/01/2023 13:00	3	339	26	4.8	0
22/01/2023 13:10	2.7	338	38	4.3	0
22/01/2023 13:20	2.4	340	36	4.8	0
22/01/2023 13:30	2.6	338	37	4.3	0
22/01/2023 13:40	2.3	338	44	3.7	0
22/01/2023 13:50	2.5	336	30	4.5	0
22/01/2023 14:00	2.5	337	35	4.4	0
22/01/2023 14:10	2.8	353	34	5.1	0
22/01/2023 14:20	2.4	337	39	4.5	0
22/01/2023 14:30	2.5	11	37	4.2	0
22/01/2023 14:40	2.2	186	31	3.5	0
22/01/2023 14:50	2.6	177	31	4.6	0
22/01/2023 15:00	2.6	6	30	4.1	0
22/01/2023 15:10	2.8	14	30	4.3	0
22/01/2023 15:20	2.6	6	33	4	0
22/01/2023 15:30	2.9	180	30	4.7	0
22/01/2023 15:40	2.8	175	34	4.7	0
22/01/2023 15:50	2.9	179	33	4.4	0
22/01/2023 16:00	2.5	13	27	4.4	0
22/01/2023 16:10	2.9	7	32	5	0
22/01/2023 16:20	3	13	26	4.8	0
22/01/2023 16:30	3.1	14	25	5.3	0
22/01/2023 16:40	3.1	10	29	5.2	0
22/01/2023 16:50	3.3	13	22	5.3	0
22/01/2023 17:00	2.6	176	40	5	0
22/01/2023 17:10	2.3	172	37	4.6	0
22/01/2023 17:20	2.6	336	33	4.4	0
22/01/2023 17:30	2.9	334	28	4.6	0
22/01/2023 17:40	2.8	331	32	4.6	0
22/01/2023 17:50	3	339	28	4.6	0
22/01/2023 18:00	2.9	336	31	4.5	0
22/01/2023 18:10	2.5	2	29	4.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/01/2023 18:20	2.7	328	31	4.5	0
22/01/2023 18:30	2.2	315	33	4	0
22/01/2023 18:40	2	309	43	3.9	0
22/01/2023 18:50	2.2	321	30	3.8	0
22/01/2023 19:00	1.8	277	43	3.6	0
22/01/2023 19:10	2	277	40	3.4	0
22/01/2023 19:20	1.6	306	36	3	0
22/01/2023 19:30	2.3	328	22	3.3	0
22/01/2023 19:40	2.2	320	21	3.4	0
22/01/2023 19:50	1.6	301	43	2.5	0
22/01/2023 20:00	2.1	281	29	3.5	0
22/01/2023 20:10	1.6	290	43	2.7	0
22/01/2023 20:20	1.4	267	42	2.6	0
22/01/2023 20:30	1.6	266	32	2.6	0
22/01/2023 20:40	1.5	275	35	2.4	0
22/01/2023 20:50	1.2	259	34	2.1	0
22/01/2023 21:00	1.5	290	33	2.6	0
22/01/2023 21:10	1.7	319	25	2.6	0
22/01/2023 21:20	1.3	284	43	2.4	0
22/01/2023 21:30	1.6	266	46	2.6	0
22/01/2023 21:40	1.8	253	19	2.8	0
22/01/2023 21:50	1.3	262	27	2.1	0
22/01/2023 22:00	1.5	262	27	2.2	0
22/01/2023 22:10	1.7	254	24	2.8	0
22/01/2023 22:20	1.8	257	17	3.3	0
22/01/2023 22:30	1.9	252	15	2.8	0
22/01/2023 22:40	2.3	247	17	3.6	0
22/01/2023 22:50	2.4	258	16	3.2	0
22/01/2023 23:00	2.4	257	15	3.3	0
22/01/2023 23:10	1.9	259	20	2.8	0
22/01/2023 23:20	2.2	257	18	3.8	0
22/01/2023 23:30	2.4	255	14	3.2	0
22/01/2023 23:40	1.7	278	26	2.8	0
22/01/2023 23:50	2.2	254	15	3.2	0
23/01/2023 00:00	2.3	261	16	3.2	0
23/01/2023 00:10	2.1	263	20	3.2	0
23/01/2023 00:20	2	262	20	3	0
23/01/2023 00:30	2.6	258	17	3.6	0
23/01/2023 00:40	2.7	258	16	3.9	0
23/01/2023 00:50	2.7	254	15	3.8	0
23/01/2023 01:00	2.5	263	16	3.5	0
23/01/2023 01:10	2.6	249	16	4	0
23/01/2023 01:20	3	258	15	4.2	0
23/01/2023 01:30	2.5	258	14	4.1	0
23/01/2023 01:40	2.5	250	17	3.8	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/01/2023 01:50	2.9	249	15	4.2	0
23/01/2023 02:00	2.7	248	16	3.8	0
23/01/2023 02:10	2.3	254	15	3.5	0
23/01/2023 02:20	2.7	248	14	3.8	0
23/01/2023 02:30	2.3	251	16	3.3	0
23/01/2023 02:40	2.9	250	14	3.9	0
23/01/2023 02:50	2.6	250	19	3.7	0
23/01/2023 03:00	2.4	249	18	3.6	0
23/01/2023 03:10	2.3	250	15	3.5	0
23/01/2023 03:20	2.2	251	14	3	0
23/01/2023 03:30	1.8	248	17	2.8	0
23/01/2023 03:40	2.2	256	16	3.4	0
23/01/2023 03:50	1.8	251	17	2.4	0
23/01/2023 04:00	2	239	16	3.1	0
23/01/2023 04:10	2.2	243	14	3.2	0
23/01/2023 04:20	2.1	237	14	3.2	0
23/01/2023 04:30	1.9	239	12	2.7	0
23/01/2023 04:40	1.9	240	14	2.6	0
23/01/2023 04:50	2	241	17	2.9	0
23/01/2023 05:00	1.6	242	18	2.4	0
23/01/2023 05:10	1.9	248	18	2.8	0
23/01/2023 05:20	1.9	244	16	2.8	0
23/01/2023 05:30	1.4	233	20	2	0
23/01/2023 05:40	1.1	236	20	1.9	0
23/01/2023 05:50	1.4	217	20	2.1	0
23/01/2023 06:00	1	219	20	1.9	0
23/01/2023 06:10	1	203	19	1.6	0
23/01/2023 06:20	1.9	190	19	2.8	0
23/01/2023 06:30	1.9	191	18	2.8	0
23/01/2023 06:40	1.8	192	18	2.8	0
23/01/2023 06:50	2.1	191	17	3	0
23/01/2023 07:00	1.8	197	24	2.7	0
23/01/2023 07:10	2.2	189	21	3.2	0
23/01/2023 07:20	2.3	188	16	3.2	0
23/01/2023 07:30	2.1	179	21	3.2	0
23/01/2023 07:40	2.1	176	23	3.2	0
23/01/2023 07:50	2.1	193	24	3.2	0
23/01/2023 08:00	2.2	194	28	3.4	0
23/01/2023 08:10	2	163	31	3.2	0
23/01/2023 08:20	2.5	185	22	3.8	0
23/01/2023 08:30	2	190	31	3	0
23/01/2023 08:40	0.7	220	16	3.8	0
23/01/2023 08:50					0
23/01/2023 09:00					0
23/01/2023 09:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/01/2023 09:20					0
23/01/2023 09:30					0
23/01/2023 09:40					0
23/01/2023 09:50					0
23/01/2023 10:00					0
23/01/2023 10:10					0
23/01/2023 10:20					0
23/01/2023 10:30					0
23/01/2023 10:40					0
23/01/2023 10:50					0
23/01/2023 11:00					0
23/01/2023 11:10					0
23/01/2023 11:20					0
23/01/2023 11:30					0
23/01/2023 11:40					0
23/01/2023 11:50	2.3	328	22	4.3	0
23/01/2023 12:00	2.9	318	29	4.4	0
23/01/2023 12:10	2.9	320	22	4.7	0
23/01/2023 12:20	0.1	319	0	2.8	0
23/01/2023 12:30					0
23/01/2023 12:40					0
23/01/2023 12:50					0
23/01/2023 13:00					0
23/01/2023 13:10					0
23/01/2023 13:20					0
23/01/2023 13:30					0
23/01/2023 13:40					0
23/01/2023 13:50					0
23/01/2023 14:00					0
23/01/2023 14:10					0
23/01/2023 14:20					0
23/01/2023 14:30					0
23/01/2023 14:40					0
23/01/2023 14:50					0
23/01/2023 15:00					0
23/01/2023 15:10					0
23/01/2023 15:20					0
23/01/2023 15:30					0
23/01/2023 15:40					0
23/01/2023 15:50					0
23/01/2023 16:00					0
23/01/2023 16:10					0
23/01/2023 16:20					0
23/01/2023 16:30					0
23/01/2023 16:40					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/01/2023 16:50					0
23/01/2023 17:00					0
23/01/2023 17:10					0
23/01/2023 17:20					0
23/01/2023 17:30					0
23/01/2023 17:40					0
23/01/2023 17:50	1.2	285	26	3.9	0
23/01/2023 18:00	2.2	307	47	4.6	0
23/01/2023 18:10	2.8	310	36	4.4	0
23/01/2023 18:20	2.1	284	38	3.7	0
23/01/2023 18:30	2.5	293	41	4.9	0
23/01/2023 18:40	2.8	271	30	4.8	0
23/01/2023 18:50	2.6	277	41	4.7	0
23/01/2023 19:00	2.3	280	42	4.4	0
23/01/2023 19:10	2.3	276	35	3.6	0
23/01/2023 19:20	2.5	277	43	4.2	0
23/01/2023 19:30	2	286	43	4.1	0
23/01/2023 19:40	2.3	276	36	3.9	0
23/01/2023 19:50	2.3	264	31	3.9	0
23/01/2023 20:00	2.3	265	33	3.8	0
23/01/2023 20:10	2.1	284	37	3.6	0
23/01/2023 20:20	2.5	270	28	4.4	0
23/01/2023 20:30	2.7	259	29	4.2	0
23/01/2023 20:40	2.8	259	25	4.4	0
23/01/2023 20:50	2.6	262	27	4.5	0
23/01/2023 21:00	3.1	260	23	4.8	0
23/01/2023 21:10	2.8	261	22	4.4	0
23/01/2023 21:20	2.8	261	23	4.2	0
23/01/2023 21:30	2.5	265	23	4.2	0
23/01/2023 21:40	2.9	257	19	4.8	0
23/01/2023 21:50	3.8	254	17	5.5	0
23/01/2023 22:00	3.5	250	16	5.3	0
23/01/2023 22:10	3.3	241	15	5.2	0
23/01/2023 22:20	3.1	243	17	4.5	0
23/01/2023 22:30	2.6	242	19	4	0
23/01/2023 22:40	2.7	242	19	3.9	0
23/01/2023 22:50	2.8	243	19	3.8	0
23/01/2023 23:00	2.2	242	18	3.2	0
23/01/2023 23:10	2.4	246	17	3.8	0
23/01/2023 23:20	2.5	244	17	3.6	0
23/01/2023 23:30	2.2	235	19	3.2	0
23/01/2023 23:40	2.2	238	19	3.2	0
23/01/2023 23:50	2.2	233	17	3.2	0
24/01/2023 00:00	2.3	230	18	3.6	0
24/01/2023 00:10	2.5	239	17	3.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/01/2023 00:20	2.3	233	14	3.2	0
24/01/2023 00:30	2.2	235	17	3.7	0
24/01/2023 00:40	2.2	232	19	3.2	0
24/01/2023 00:50	2.8	218	18	4.5	0
24/01/2023 01:00	2.7	224	16	3.7	0
24/01/2023 01:10	2.5	213	15	3.6	0
24/01/2023 01:20	2.6	190	18	4.1	0
24/01/2023 01:30	3.1	184	17	4.8	0
24/01/2023 01:40	3.1	151	31	5.2	0
24/01/2023 01:50	4.2	104	33	6.6	0
24/01/2023 02:00	4	104	30	6.3	0
24/01/2023 02:10	3.4	106	28	5.3	0
24/01/2023 02:20	3.2	103	29	5.9	0
24/01/2023 02:30	3	107	30	4.7	0
24/01/2023 02:40	2.9	114	33	4.8	0
24/01/2023 02:50	3.5	120	31	6	0
24/01/2023 03:00	2.9	108	28	5.2	0
24/01/2023 03:10	2.9	107	33	4.8	0
24/01/2023 03:20	2.9	107	31	4.5	0
24/01/2023 03:30	2.7	104	24	4.3	0
24/01/2023 03:40	2.5	112	34	4.4	0
24/01/2023 03:50	2.5	109	34	4.4	0
24/01/2023 04:00	2.5	106	30	3.8	0
24/01/2023 04:10	2.5	108	24	4.2	0
24/01/2023 04:20	2.2	110	32	4	0
24/01/2023 04:30	2.1	111	34	3.8	0
24/01/2023 04:40	2.2	117	28	3.9	0
24/01/2023 04:50	2.3	107	29	4	0
24/01/2023 05:00	1.9	107	31	3.5	0
24/01/2023 05:10	2.1	86	24	4	0
24/01/2023 05:20	1.9	87	28	3.1	0
24/01/2023 05:30	2.3	90	21	3.9	0
24/01/2023 05:40	2.2	81	20	3.5	0
24/01/2023 05:50	2	82	23	3.4	0
24/01/2023 06:00	1.9	70	22	3.1	0
24/01/2023 06:10	2	80	21	3.4	0
24/01/2023 06:20	2.2	84	19	3.6	0
24/01/2023 06:30	2.4	80	24	3.7	0
24/01/2023 06:40	2.5	72	22	4	0
24/01/2023 06:50	3.1	65	20	4.9	0
24/01/2023 07:00	3.1	70	20	5.2	0
24/01/2023 07:10	3	72	21	4.8	0
24/01/2023 07:20	3	71	20	4.8	0
24/01/2023 07:30	3.2	74	23	5.1	0
24/01/2023 07:40	3	64	24	4.8	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/01/2023 07:50	3	68	21	4.8	0
24/01/2023 08:00	2.9	67	25	4.5	0
24/01/2023 08:10	2.9	66	23	4.4	0
24/01/2023 08:20	3.2	74	21	5.3	0
24/01/2023 08:30	3	69	20	5	0
24/01/2023 08:40	3	69	25	4.8	0
24/01/2023 08:50	2.8	72	22	4.1	0
24/01/2023 09:00	3.3	77	24	5.2	0
24/01/2023 09:10	3.2	81	24	5.3	0
24/01/2023 09:20	3.4	85	22	6	0
24/01/2023 09:30	3.7	75	21	6.4	0
24/01/2023 09:40	3.4	79	25	6.1	0
24/01/2023 09:50	3.2	78	22	5.3	0
24/01/2023 10:00	3.1	86	30	5.1	0
24/01/2023 10:10	3	82	26	5.1	0
24/01/2023 10:20	3.1	85	24	5.2	0
24/01/2023 10:30	3.6	85	22	5.6	0
24/01/2023 10:40	3.1	81	28	4.9	0
24/01/2023 10:50	3.2	74	23	5.2	0
24/01/2023 11:00	3.3	93	27	5.8	0
24/01/2023 11:10	3.3	88	26	4.9	0
24/01/2023 11:20	3.3	90	23	5.1	0
24/01/2023 11:30	2.7	73	22	5.9	0
24/01/2023 11:40					0
24/01/2023 11:50					0
24/01/2023 12:00					0
24/01/2023 12:10					0
24/01/2023 12:20					0
24/01/2023 12:30					0
24/01/2023 12:40					0
24/01/2023 12:50					0
24/01/2023 13:00					0
24/01/2023 13:10					0
24/01/2023 13:20					0
24/01/2023 13:30					0
24/01/2023 13:40					0
24/01/2023 13:50					0
24/01/2023 14:00					0
24/01/2023 14:10					0
24/01/2023 14:20					0
24/01/2023 14:30					0
24/01/2023 14:40					0
24/01/2023 14:50					0
24/01/2023 15:00					0
24/01/2023 15:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/01/2023 15:20					0
24/01/2023 15:30					0
24/01/2023 15:40					0
24/01/2023 15:50					0
24/01/2023 16:00					0
24/01/2023 16:10					0
24/01/2023 16:20					0
24/01/2023 16:30					0
24/01/2023 16:40					0
24/01/2023 16:50					0
24/01/2023 17:00					0
24/01/2023 17:10					0
24/01/2023 17:20					0
24/01/2023 17:30					0
24/01/2023 17:40					0
24/01/2023 17:50					0
24/01/2023 18:00					0
24/01/2023 18:10					
24/01/2023 18:20					
24/01/2023 18:30					
24/01/2023 18:40					
24/01/2023 18:50					
24/01/2023 19:00					
24/01/2023 19:10					
24/01/2023 19:20					
24/01/2023 19:30					
24/01/2023 19:40					
24/01/2023 19:50					
24/01/2023 20:00					
24/01/2023 20:10					
24/01/2023 20:20					
24/01/2023 20:30					
24/01/2023 20:40					
24/01/2023 20:50					
24/01/2023 21:00					
24/01/2023 21:10					
24/01/2023 21:20					
24/01/2023 21:30					
24/01/2023 21:40					
24/01/2023 21:50					
24/01/2023 22:00					
24/01/2023 22:10					
24/01/2023 22:20					
24/01/2023 22:30					
24/01/2023 22:40					



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/01/2023 22:50					
24/01/2023 23:00					
24/01/2023 23:10					
24/01/2023 23:20					
24/01/2023 23:30					
24/01/2023 23:40					
24/01/2023 23:50					
25/01/2023 00:00					
26/01/2023 00:10					0
26/01/2023 00:20					0
26/01/2023 00:30					0
26/01/2023 00:40					0
26/01/2023 00:50					0
26/01/2023 01:00					0
26/01/2023 01:10					0
26/01/2023 01:20					0
26/01/2023 01:30					0
26/01/2023 01:40					0
26/01/2023 01:50					0
26/01/2023 02:00					0
26/01/2023 02:10					0
26/01/2023 02:20					0
26/01/2023 02:30					0
26/01/2023 02:40					0
26/01/2023 02:50					0
26/01/2023 03:00					0
26/01/2023 03:10					0
26/01/2023 03:20					0
26/01/2023 03:30					0
26/01/2023 03:40					0
26/01/2023 03:50					0
26/01/2023 04:00					0
26/01/2023 04:10					0
26/01/2023 04:20					0
26/01/2023 04:30					0
26/01/2023 04:40					0
26/01/2023 04:50					0
26/01/2023 05:00					0
26/01/2023 05:10					0
26/01/2023 05:20					0
26/01/2023 05:30					0
26/01/2023 05:40					0
26/01/2023 05:50					0
26/01/2023 06:00					0
26/01/2023 06:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/01/2023 06:20					0
26/01/2023 06:30					0
26/01/2023 06:40					0
26/01/2023 06:50					0
26/01/2023 07:00					0
26/01/2023 07:10					0
26/01/2023 07:20					0
26/01/2023 07:30					0
26/01/2023 07:40					0
26/01/2023 07:50					0
26/01/2023 08:00					0
26/01/2023 08:10					0
26/01/2023 08:20					0
26/01/2023 08:30					0
26/01/2023 08:40					0
26/01/2023 08:50					0
26/01/2023 09:00					0
26/01/2023 09:10					0
26/01/2023 09:20					0
26/01/2023 09:30					0
26/01/2023 09:40					0
26/01/2023 09:50					0
26/01/2023 10:00					0
26/01/2023 10:10					0
26/01/2023 10:20					0
26/01/2023 10:30					0
26/01/2023 10:40					0
26/01/2023 10:50					0
26/01/2023 11:00					0
26/01/2023 11:10					0
26/01/2023 11:20					0
26/01/2023 11:30					0
26/01/2023 11:40					0
26/01/2023 11:50					0
26/01/2023 12:00					0
26/01/2023 12:10					0
26/01/2023 12:20					0
26/01/2023 12:30					0
26/01/2023 12:40					0
26/01/2023 12:50					0
26/01/2023 13:00					0
26/01/2023 13:10					0
26/01/2023 13:20					0
26/01/2023 13:30					0
26/01/2023 13:40					0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/01/2023 13:50					0
26/01/2023 14:00					0
26/01/2023 14:10					0
26/01/2023 14:20					0
26/01/2023 14:30					0
26/01/2023 14:40					0
26/01/2023 14:50					0
26/01/2023 15:00					0
26/01/2023 15:10					0
26/01/2023 15:20					0
26/01/2023 15:30					0
26/01/2023 15:40					0
26/01/2023 15:50					0
26/01/2023 16:00					0
26/01/2023 16:10					0
26/01/2023 16:20					0
26/01/2023 16:30					0
26/01/2023 16:40					0
26/01/2023 16:50					0
26/01/2023 17:00					0
26/01/2023 17:10					0
26/01/2023 17:20					0
26/01/2023 17:30					0
26/01/2023 17:40					0
26/01/2023 17:50					0
26/01/2023 18:00					0
26/01/2023 18:10					0
26/01/2023 18:20					0
26/01/2023 18:30					0
26/01/2023 18:40					0
26/01/2023 18:50					0
26/01/2023 19:00					0
26/01/2023 19:10					0
26/01/2023 19:20					0
26/01/2023 19:30					0
26/01/2023 19:40					0
26/01/2023 19:50					0
26/01/2023 20:00					0
26/01/2023 20:10					0
26/01/2023 20:20					0
26/01/2023 20:30					0
26/01/2023 20:40					0
26/01/2023 20:50					0
26/01/2023 21:00					0
26/01/2023 21:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/01/2023 21:20					0
26/01/2023 21:30					0
26/01/2023 21:40					0
26/01/2023 21:50					0
26/01/2023 22:00					0
26/01/2023 22:10					0
26/01/2023 22:20					0
26/01/2023 22:30					0
26/01/2023 22:40					0
26/01/2023 22:50					0
26/01/2023 23:00					0
26/01/2023 23:10					0
26/01/2023 23:20					0
26/01/2023 23:30					0
26/01/2023 23:40					0
26/01/2023 23:50					0
27/01/2023 00:00					0
27/01/2023 00:10					0
27/01/2023 00:20					0
27/01/2023 00:30					0
27/01/2023 00:40					0
27/01/2023 00:50					0
27/01/2023 01:00					0
27/01/2023 01:10					0
27/01/2023 01:20					0
27/01/2023 01:30					0
27/01/2023 01:40					0
27/01/2023 01:50					0
27/01/2023 02:00					0
27/01/2023 02:10					0
27/01/2023 02:20					0
27/01/2023 02:30					0
27/01/2023 02:40					0
27/01/2023 02:50					0
27/01/2023 03:00					0
27/01/2023 03:10					0
27/01/2023 03:20					0
27/01/2023 03:30					0
27/01/2023 03:40					0
27/01/2023 03:50					0
27/01/2023 04:00					0
27/01/2023 04:10					0
27/01/2023 04:20					0
27/01/2023 04:30					0
27/01/2023 04:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/01/2023 04:50					0
27/01/2023 05:00					0
27/01/2023 05:10					0
27/01/2023 05:20					0
27/01/2023 05:30					0
27/01/2023 05:40					0
27/01/2023 05:50					0
27/01/2023 06:00					0
27/01/2023 06:10					0
27/01/2023 06:20					0
27/01/2023 06:30					0
27/01/2023 06:40					0
27/01/2023 06:50					0
27/01/2023 07:00					0
27/01/2023 07:10					0
27/01/2023 07:20					0
27/01/2023 07:30					0
27/01/2023 07:40					0
27/01/2023 07:50					0
27/01/2023 08:00					0
27/01/2023 08:10					0
27/01/2023 08:20					0
27/01/2023 08:30					0
27/01/2023 08:40					0
27/01/2023 08:50					0
27/01/2023 09:00					0
27/01/2023 09:10					0
27/01/2023 09:20					0
27/01/2023 09:30					0
27/01/2023 09:40					0
27/01/2023 09:50					0
27/01/2023 10:00					0
27/01/2023 10:10					0
27/01/2023 10:20					0
27/01/2023 10:30					0
27/01/2023 10:40					0
27/01/2023 10:50					0
27/01/2023 11:00					0
27/01/2023 11:10					0
27/01/2023 11:20					0
27/01/2023 11:30					0
27/01/2023 11:40					0
27/01/2023 11:50					0
27/01/2023 12:00					0
27/01/2023 12:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/01/2023 12:20					0
27/01/2023 12:30					0
27/01/2023 12:40					0
27/01/2023 12:50					0
27/01/2023 13:00					0
27/01/2023 13:10					0
27/01/2023 13:20					0
27/01/2023 13:30					0
27/01/2023 13:40					0
27/01/2023 13:50					0
27/01/2023 14:00					0
27/01/2023 14:10					0
27/01/2023 14:20					0
27/01/2023 14:30					0
27/01/2023 14:40					0
27/01/2023 14:50					0
27/01/2023 15:00					0
27/01/2023 15:10					0
27/01/2023 15:20					0
27/01/2023 15:30					0
27/01/2023 15:40					0
27/01/2023 15:50					0
27/01/2023 16:00					0
27/01/2023 16:10					0
27/01/2023 16:20					0
27/01/2023 16:30					0
27/01/2023 16:40					0
27/01/2023 16:50					0
27/01/2023 17:00					0
27/01/2023 17:10					0
27/01/2023 17:20					0
27/01/2023 17:30					0
27/01/2023 17:40					0
27/01/2023 17:50					0
27/01/2023 18:00					0
27/01/2023 18:10					0
27/01/2023 18:20					0
27/01/2023 18:30					0
27/01/2023 18:40					0
27/01/2023 18:50					0
27/01/2023 19:00					0
27/01/2023 19:10					0
27/01/2023 19:20					0
27/01/2023 19:30					0
27/01/2023 19:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/01/2023 19:50					0
27/01/2023 20:00					0
27/01/2023 20:10					0
27/01/2023 20:20					0
27/01/2023 20:30					0
27/01/2023 20:40					0
27/01/2023 20:50					0
27/01/2023 21:00					0
27/01/2023 21:10					0
27/01/2023 21:20					0
27/01/2023 21:30					0
27/01/2023 21:40					0
27/01/2023 21:50					0
27/01/2023 22:00					0
27/01/2023 22:10					0
27/01/2023 22:20					0
27/01/2023 22:30					0
27/01/2023 22:40					0
27/01/2023 22:50					0
27/01/2023 23:00					0
27/01/2023 23:10					0
27/01/2023 23:20					0
27/01/2023 23:30					0
27/01/2023 23:40					0
27/01/2023 23:50					0
28/01/2023 00:00					0
28/01/2023 00:10					0
28/01/2023 00:20					0
28/01/2023 00:30					0
28/01/2023 00:40					0
28/01/2023 00:50					0
28/01/2023 01:00					0
28/01/2023 01:10					0
28/01/2023 01:20					0
28/01/2023 01:30					0
28/01/2023 01:40					0
28/01/2023 01:50					0
28/01/2023 02:00					0
28/01/2023 02:10					0
28/01/2023 02:20					0
28/01/2023 02:30					0
28/01/2023 02:40					0
28/01/2023 02:50					0
28/01/2023 03:00					0
28/01/2023 03:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/01/2023 03:20					0
28/01/2023 03:30					0
28/01/2023 03:40					0
28/01/2023 03:50					0
28/01/2023 04:00					0
28/01/2023 04:10					0
28/01/2023 04:20					0
28/01/2023 04:30					0
28/01/2023 04:40					0
28/01/2023 04:50					0
28/01/2023 05:00					0
28/01/2023 05:10					0
28/01/2023 05:20					0
28/01/2023 05:30					0
28/01/2023 05:40					0
28/01/2023 05:50					0
28/01/2023 06:00					0
28/01/2023 06:10					0
28/01/2023 06:20					0
28/01/2023 06:30					0
28/01/2023 06:40					0
28/01/2023 06:50					0
28/01/2023 07:00					0
28/01/2023 07:10					0
28/01/2023 07:20					0
28/01/2023 07:30					0
28/01/2023 07:40					0
28/01/2023 07:50					0
28/01/2023 08:00					0
28/01/2023 08:10					0
28/01/2023 08:20					0
28/01/2023 08:30					0
28/01/2023 08:40					0
28/01/2023 08:50					0
28/01/2023 09:00					0
28/01/2023 09:10					0
28/01/2023 09:20					0
28/01/2023 09:30					0
28/01/2023 09:40					0
28/01/2023 09:50					0
28/01/2023 10:00					0
28/01/2023 10:10					0
28/01/2023 10:20					0
28/01/2023 10:30					0
28/01/2023 10:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/01/2023 10:50					0
28/01/2023 11:00					0
28/01/2023 11:10					0
28/01/2023 11:20					0
28/01/2023 11:30					0
28/01/2023 11:40					0
28/01/2023 11:50					0
28/01/2023 12:00					0
28/01/2023 12:10					0
28/01/2023 12:20					0
28/01/2023 12:30					0
28/01/2023 12:40					0
28/01/2023 12:50					0
28/01/2023 13:00					0
28/01/2023 13:10					0
28/01/2023 13:20					0
28/01/2023 13:30					0
28/01/2023 13:40					0
28/01/2023 13:50					0
28/01/2023 14:00					0
28/01/2023 14:10					0
28/01/2023 14:20					0
28/01/2023 14:30					0
28/01/2023 14:40					0
28/01/2023 14:50					0
28/01/2023 15:00					0
28/01/2023 15:10					0
28/01/2023 15:20					0
28/01/2023 15:30					0
28/01/2023 15:40					0
28/01/2023 15:50					0
28/01/2023 16:00					0
28/01/2023 16:10					0
28/01/2023 16:20					0
28/01/2023 16:30					0
28/01/2023 16:40					0
28/01/2023 16:50					0
28/01/2023 17:00					0
28/01/2023 17:10					0
28/01/2023 17:20					0
28/01/2023 17:30					0
28/01/2023 17:40					0
28/01/2023 17:50					0
28/01/2023 18:00					0
28/01/2023 18:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/01/2023 18:20					0
28/01/2023 18:30					0
28/01/2023 18:40					0
28/01/2023 18:50					0
28/01/2023 19:00					0
28/01/2023 19:10					0
28/01/2023 19:20					0
28/01/2023 19:30					0
28/01/2023 19:40					0
28/01/2023 19:50					0
28/01/2023 20:00					0
28/01/2023 20:10					0
28/01/2023 20:20					0
28/01/2023 20:30					0
28/01/2023 20:40					0
28/01/2023 20:50					0
28/01/2023 21:00					0
28/01/2023 21:10					0
28/01/2023 21:20					0
28/01/2023 21:30					0
28/01/2023 21:40					0
28/01/2023 21:50					0
28/01/2023 22:00					0
28/01/2023 22:10					0
28/01/2023 22:20					0
28/01/2023 22:30					0
28/01/2023 22:40					0
28/01/2023 22:50					0
28/01/2023 23:00					0
28/01/2023 23:10					0
28/01/2023 23:20					0
28/01/2023 23:30					0
28/01/2023 23:40					0
28/01/2023 23:50					0
29/01/2023 00:00					0
29/01/2023 00:10					0
29/01/2023 00:20					0
29/01/2023 00:30					0
29/01/2023 00:40					0
29/01/2023 00:50					0
29/01/2023 01:00					0
29/01/2023 01:10					0
29/01/2023 01:20					0
29/01/2023 01:30					0
29/01/2023 01:40					0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/01/2023 01:50					0
29/01/2023 02:00					0
29/01/2023 02:10					0
29/01/2023 02:20					0
29/01/2023 02:30					0
29/01/2023 02:40					0
29/01/2023 02:50					0
29/01/2023 03:00					0
29/01/2023 03:10					0
29/01/2023 03:20					0
29/01/2023 03:30					0
29/01/2023 03:40					0
29/01/2023 03:50					0
29/01/2023 04:00					0
29/01/2023 04:10					0
29/01/2023 04:20					0
29/01/2023 04:30					0
29/01/2023 04:40					0
29/01/2023 04:50					0
29/01/2023 05:00					0
29/01/2023 05:10					0
29/01/2023 05:20					0
29/01/2023 05:30					0
29/01/2023 05:40					0
29/01/2023 05:50					0
29/01/2023 06:00					0
29/01/2023 06:10					0
29/01/2023 06:20					0
29/01/2023 06:30					0
29/01/2023 06:40					0
29/01/2023 06:50					0
29/01/2023 07:00					0
29/01/2023 07:10					0
29/01/2023 07:20					0
29/01/2023 07:30					0
29/01/2023 07:40					0
29/01/2023 07:50					0
29/01/2023 08:00					0
29/01/2023 08:10					0
29/01/2023 08:20					0
29/01/2023 08:30					0
29/01/2023 08:40					0
29/01/2023 08:50					0
29/01/2023 09:00					0
29/01/2023 09:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/01/2023 09:20					0
29/01/2023 09:30					0
29/01/2023 09:40					0
29/01/2023 09:50					0
29/01/2023 10:00					0
29/01/2023 10:10					0
29/01/2023 10:20					0
29/01/2023 10:30					0
29/01/2023 10:40					0
29/01/2023 10:50					0
29/01/2023 11:00					0
29/01/2023 11:10					0
29/01/2023 11:20					0
29/01/2023 11:30					0
29/01/2023 11:40					0
29/01/2023 11:50					0
29/01/2023 12:00					0
29/01/2023 12:10					0
29/01/2023 12:20					0
29/01/2023 12:30					0
29/01/2023 12:40					0
29/01/2023 12:50					0
29/01/2023 13:00					0
29/01/2023 13:10					0
29/01/2023 13:20					0
29/01/2023 13:30					0
29/01/2023 13:40					0
29/01/2023 13:50					0
29/01/2023 14:00					0
29/01/2023 14:10					0
29/01/2023 14:20					0
29/01/2023 14:30					0
29/01/2023 14:40					0
29/01/2023 14:50					0
29/01/2023 15:00					0
29/01/2023 15:10					0
29/01/2023 15:20					0
29/01/2023 15:30					0
29/01/2023 15:40					0
29/01/2023 15:50					0
29/01/2023 16:00					0
29/01/2023 16:10					0
29/01/2023 16:20					0
29/01/2023 16:30					0
29/01/2023 16:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/01/2023 16:50					0
29/01/2023 17:00					0
29/01/2023 17:10					0
29/01/2023 17:20					0
29/01/2023 17:30					0
29/01/2023 17:40					0
29/01/2023 17:50					0
29/01/2023 18:00					0
29/01/2023 18:10					0
29/01/2023 18:20					0
29/01/2023 18:30					0
29/01/2023 18:40					0
29/01/2023 18:50					0
29/01/2023 19:00					0
29/01/2023 19:10					0
29/01/2023 19:20					0
29/01/2023 19:30					0
29/01/2023 19:40					0
29/01/2023 19:50					0
29/01/2023 20:00					0
29/01/2023 20:10					0
29/01/2023 20:20					0
29/01/2023 20:30					0
29/01/2023 20:40					0
29/01/2023 20:50					0
29/01/2023 21:00					0
29/01/2023 21:10					0
29/01/2023 21:20					0
29/01/2023 21:30					0
29/01/2023 21:40					0
29/01/2023 21:50					0
29/01/2023 22:00					0
29/01/2023 22:10					0
29/01/2023 22:20					0
29/01/2023 22:30					0
29/01/2023 22:40					0
29/01/2023 22:50					0
29/01/2023 23:00					0
29/01/2023 23:10					0
29/01/2023 23:20					0
29/01/2023 23:30					0
29/01/2023 23:40					0
29/01/2023 23:50					0
30/01/2023 00:00					0
30/01/2023 00:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/01/2023 00:20					0
30/01/2023 00:30					0
30/01/2023 00:40					0
30/01/2023 00:50					0
30/01/2023 01:00					0
30/01/2023 01:10					0
30/01/2023 01:20					0
30/01/2023 01:30					0
30/01/2023 01:40					0
30/01/2023 01:50					0
30/01/2023 02:00					0
30/01/2023 02:10					0
30/01/2023 02:20					0
30/01/2023 02:30					0
30/01/2023 02:40					0
30/01/2023 02:50					0
30/01/2023 03:00					0
30/01/2023 03:10					0
30/01/2023 03:20					0
30/01/2023 03:30					0
30/01/2023 03:40					0
30/01/2023 03:50					0
30/01/2023 04:00					0
30/01/2023 04:10					0
30/01/2023 04:20					0
30/01/2023 04:30					0
30/01/2023 04:40					0
30/01/2023 04:50					0
30/01/2023 05:00					0
30/01/2023 05:10					0
30/01/2023 05:20					0
30/01/2023 05:30					0
30/01/2023 05:40					0
30/01/2023 05:50					0
30/01/2023 06:00					0
30/01/2023 06:10					0
30/01/2023 06:20					0
30/01/2023 06:30					0
30/01/2023 06:40					0
30/01/2023 06:50					0
30/01/2023 07:00					0
30/01/2023 07:10					0
30/01/2023 07:20					0
30/01/2023 07:30					0
30/01/2023 07:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/01/2023 07:50					0
30/01/2023 08:00					0
30/01/2023 08:10					0
30/01/2023 08:20					0
30/01/2023 08:30					0
30/01/2023 08:40					0
30/01/2023 08:50					0
30/01/2023 09:00					0
30/01/2023 09:10					0
30/01/2023 09:20					0
30/01/2023 09:30					0
30/01/2023 09:40					0
30/01/2023 09:50					0
30/01/2023 10:00					0
30/01/2023 10:10					0
30/01/2023 10:20					0
30/01/2023 10:30					0
30/01/2023 10:40					0
30/01/2023 10:50					0
30/01/2023 11:00					0
30/01/2023 11:10					0
30/01/2023 11:20					0
30/01/2023 11:30					0
30/01/2023 11:40					0
30/01/2023 11:50					0
30/01/2023 12:00					0
30/01/2023 12:10					0
30/01/2023 12:20					0
30/01/2023 12:30					0
30/01/2023 12:40					0
30/01/2023 12:50					0
30/01/2023 13:00					0
30/01/2023 13:10					0
30/01/2023 13:20					0
30/01/2023 13:30					0
30/01/2023 13:40					0
30/01/2023 13:50					0
30/01/2023 14:00					0
30/01/2023 14:10					0
30/01/2023 14:20					0
30/01/2023 14:30					0
30/01/2023 14:40					0
30/01/2023 14:50					0
30/01/2023 15:00					0
30/01/2023 15:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/01/2023 15:20					0
30/01/2023 15:30					0
30/01/2023 15:40					0
30/01/2023 15:50					0
30/01/2023 16:00					0
30/01/2023 16:10					0
30/01/2023 16:20					0
30/01/2023 16:30					0
30/01/2023 16:40					0
30/01/2023 16:50					0
30/01/2023 17:00					0
30/01/2023 17:10					0
30/01/2023 17:20					0
30/01/2023 17:30					0
30/01/2023 17:40					0
30/01/2023 17:50					0
30/01/2023 18:00					0
30/01/2023 18:10					0
30/01/2023 18:20					0
30/01/2023 18:30					0
30/01/2023 18:40					0
30/01/2023 18:50					0
30/01/2023 19:00					0
30/01/2023 19:10					0
30/01/2023 19:20					0
30/01/2023 19:30					0
30/01/2023 19:40					0
30/01/2023 19:50					0
30/01/2023 20:00					0
30/01/2023 20:10					0
30/01/2023 20:20					0
30/01/2023 20:30					0
30/01/2023 20:40					0
30/01/2023 20:50					0
30/01/2023 21:00					0
30/01/2023 21:10					0
30/01/2023 21:20					0
30/01/2023 21:30					0
30/01/2023 21:40					0
30/01/2023 21:50					0
30/01/2023 22:00					0
30/01/2023 22:10					0
30/01/2023 22:20					0
30/01/2023 22:30					0
30/01/2023 22:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/01/2023 22:50					0
30/01/2023 23:00					0
30/01/2023 23:10					0
30/01/2023 23:20					0
30/01/2023 23:30					0
30/01/2023 23:40					0
30/01/2023 23:50					0
31/01/2023 00:00					0
31/01/2023 00:10					0
31/01/2023 00:20					0
31/01/2023 00:30					0
31/01/2023 00:40					0
31/01/2023 00:50					0
31/01/2023 01:00					0
31/01/2023 01:10					0
31/01/2023 01:20					0
31/01/2023 01:30					0
31/01/2023 01:40					0
31/01/2023 01:50					0
31/01/2023 02:00					0
31/01/2023 02:10					0
31/01/2023 02:20					0
31/01/2023 02:30					0
31/01/2023 02:40					0
31/01/2023 02:50					0
31/01/2023 03:00					0
31/01/2023 03:10					0
31/01/2023 03:20					0
31/01/2023 03:30					0
31/01/2023 03:40					0
31/01/2023 03:50					0
31/01/2023 04:00					0
31/01/2023 04:10					0
31/01/2023 04:20					0
31/01/2023 04:30					0
31/01/2023 04:40					0
31/01/2023 04:50					0
31/01/2023 05:00					0
31/01/2023 05:10					0
31/01/2023 05:20					0
31/01/2023 05:30					0
31/01/2023 05:40					0
31/01/2023 05:50					0
31/01/2023 06:00					0
31/01/2023 06:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/01/2023 06:20					0
31/01/2023 06:30					0
31/01/2023 06:40					0
31/01/2023 06:50					0
31/01/2023 07:00					0
31/01/2023 07:10					0
31/01/2023 07:20					0
31/01/2023 07:30					0
31/01/2023 07:40					0
31/01/2023 07:50					0
31/01/2023 08:00					0
31/01/2023 08:10					0
31/01/2023 08:20					0
31/01/2023 08:30					0
31/01/2023 08:40					0
31/01/2023 08:50					0
31/01/2023 09:00					0
31/01/2023 09:10					0
31/01/2023 09:20					0
31/01/2023 09:30					0
31/01/2023 09:40					0
31/01/2023 09:50					0
31/01/2023 10:00					0
31/01/2023 10:10					0
31/01/2023 10:20					0
31/01/2023 10:30					0
31/01/2023 10:40					0
31/01/2023 10:50					0
31/01/2023 11:00					0
31/01/2023 11:10					0
31/01/2023 11:20					0
31/01/2023 11:30					0
31/01/2023 11:40					0
31/01/2023 11:50					0
31/01/2023 12:00					0
31/01/2023 12:10					0
31/01/2023 12:20					0
31/01/2023 12:30					0
31/01/2023 12:40					0
31/01/2023 12:50					0
31/01/2023 13:00					0
31/01/2023 13:10					0
31/01/2023 13:20					0
31/01/2023 13:30					0
31/01/2023 13:40					0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/01/2023 13:50					0
31/01/2023 14:00					0
31/01/2023 14:10					0
31/01/2023 14:20					0
31/01/2023 14:30					0
31/01/2023 14:40					0
31/01/2023 14:50					0
31/01/2023 15:00					0
31/01/2023 15:10					0
31/01/2023 15:20					0
31/01/2023 15:30					0
31/01/2023 15:40					0
31/01/2023 15:50					0
31/01/2023 16:00					0
31/01/2023 16:10					0
31/01/2023 16:20					0
31/01/2023 16:30					0
31/01/2023 16:40					0
31/01/2023 16:50					0
31/01/2023 17:00					0
31/01/2023 17:10					0
31/01/2023 17:20					0
31/01/2023 17:30					0
31/01/2023 17:40					0
31/01/2023 17:50					0
31/01/2023 18:00					0
31/01/2023 18:10					0
31/01/2023 18:20					0
31/01/2023 18:30					0
31/01/2023 18:40					0
31/01/2023 18:50					0
31/01/2023 19:00					0
31/01/2023 19:10					0
31/01/2023 19:20					0
31/01/2023 19:30					0
31/01/2023 19:40					0
31/01/2023 19:50					0
31/01/2023 20:00					0
31/01/2023 20:10					0
31/01/2023 20:20					0
31/01/2023 20:30					0
31/01/2023 20:40					0
31/01/2023 20:50					0
31/01/2023 21:00					0
31/01/2023 21:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/01/2023 21:20					0
31/01/2023 21:30					0
31/01/2023 21:40					0
31/01/2023 21:50					0
31/01/2023 22:00					0
31/01/2023 22:10					0
31/01/2023 22:20					0
31/01/2023 22:30					0
31/01/2023 22:40					0
31/01/2023 22:50					0
31/01/2023 23:00					0
31/01/2023 23:10					0
31/01/2023 23:20					0
31/01/2023 23:30					0
31/01/2023 23:40					0
31/01/2023 23:50					0
02/01/2023 00:00					0
02/01/2023 00:10					0
02/01/2023 00:20					0
02/01/2023 00:30					0
02/01/2023 00:40					0
02/01/2023 00:50					0
02/01/2023 01:00					0
02/01/2023 01:10					0
02/01/2023 01:20					0
02/01/2023 01:30					0
02/01/2023 01:40					0
02/01/2023 01:50					0
02/01/2023 02:00					0
02/01/2023 02:10					0
02/01/2023 02:20					0
02/01/2023 02:30					0
02/01/2023 02:40					0
02/01/2023 02:50					0
02/01/2023 03:00					0
02/01/2023 03:10					0
02/01/2023 03:20					0
02/01/2023 03:30					0
02/01/2023 03:40					0
02/01/2023 03:50					0
02/01/2023 04:00					0
02/01/2023 04:10					0
02/01/2023 04:20					0
02/01/2023 04:30					0
02/01/2023 04:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/01/2023 04:50					0
02/01/2023 05:00					0
02/01/2023 05:10					0
02/01/2023 05:20					0
02/01/2023 05:30					0
02/01/2023 05:40					0
02/01/2023 05:50					0
02/01/2023 06:00					0
02/01/2023 06:10					0
02/01/2023 06:20					0
02/01/2023 06:30					0
02/01/2023 06:40					0
02/01/2023 06:50					0
02/01/2023 07:00					0
02/01/2023 07:10					0
02/01/2023 07:20					0
02/01/2023 07:30					0
02/01/2023 07:40					0
02/01/2023 07:50					0
02/01/2023 08:00					0
02/01/2023 08:10					0
02/01/2023 08:20					0
02/01/2023 08:30					0
02/01/2023 08:40					0
02/01/2023 08:50					0
02/01/2023 09:00					0
02/01/2023 09:10					0
02/01/2023 09:20	0.2	300	23	1.2	0
02/01/2023 09:30	0.9	274	29	2.8	0
02/01/2023 09:40					0
02/01/2023 09:50	1	246	11	3.6	0
02/01/2023 10:00	2	240	40	3.8	0
02/01/2023 10:10	1.1	281	43	2.6	0
02/01/2023 10:20	0.5	288	36	3	0
02/01/2023 10:30					0
02/01/2023 10:40					0
02/01/2023 10:50					0
02/01/2023 11:00					0
02/01/2023 11:10					0
02/01/2023 11:20					0
02/01/2023 11:30					0
02/01/2023 11:40					0
02/01/2023 11:50					0
02/01/2023 12:00					0
02/01/2023 12:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/01/2023 12:20					0
02/01/2023 12:30					0
02/01/2023 12:40					0
02/01/2023 12:50					0
02/01/2023 13:00					0
02/01/2023 13:10					0
02/01/2023 13:20					0
02/01/2023 13:30					0
02/01/2023 13:40					0
02/01/2023 13:50					0
02/01/2023 14:00					0
02/01/2023 14:10					0
02/01/2023 14:20					0
02/01/2023 14:30					0
02/01/2023 14:40					0
02/01/2023 14:50					0
02/01/2023 15:00					0
02/01/2023 15:10					0
02/01/2023 15:20					0
02/01/2023 15:30					0
02/01/2023 15:40					0
02/01/2023 15:50					0
02/01/2023 16:00					0
02/01/2023 16:10					0
02/01/2023 16:20					0
02/01/2023 16:30					0
02/01/2023 16:40					0
02/01/2023 16:50					0
02/01/2023 17:00					0
02/01/2023 17:10					0
02/01/2023 17:20					0
02/01/2023 17:30					0
02/01/2023 17:40					0
02/01/2023 17:50					0
02/01/2023 18:00					0
02/01/2023 18:10					0
02/01/2023 18:20					0
02/01/2023 18:30					0
02/01/2023 18:40					0
02/01/2023 18:50					0
02/01/2023 19:00					0
02/01/2023 19:10					0
02/01/2023 19:20					0
02/01/2023 19:30					0
02/01/2023 19:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/01/2023 19:50					0
02/01/2023 20:00					0
02/01/2023 20:10					0
02/01/2023 20:20					0
02/01/2023 20:30					0
02/01/2023 20:40					0
02/01/2023 20:50					0
02/01/2023 21:00					0
02/01/2023 21:10					0
02/01/2023 21:20					0
02/01/2023 21:30					0
02/01/2023 21:40					0
02/01/2023 21:50					0
02/01/2023 22:00					0
02/01/2023 22:10					0
02/01/2023 22:20					0
02/01/2023 22:30					0
02/01/2023 22:40					0
02/01/2023 22:50					0
02/01/2023 23:00					0
02/01/2023 23:10					0
02/01/2023 23:20					0
02/01/2023 23:30					0
02/01/2023 23:40					0
02/01/2023 23:50					0
02/02/2023 00:00					0
02/02/2023 00:10					0
02/02/2023 00:20					0
02/02/2023 00:30					0
02/02/2023 00:40					0
02/02/2023 00:50					0
02/02/2023 01:00					0
02/02/2023 01:10					0
02/02/2023 01:20					0
02/02/2023 01:30					0
02/02/2023 01:40					0
02/02/2023 01:50					0
02/02/2023 02:00					0
02/02/2023 02:10					0
02/02/2023 02:20					0
02/02/2023 02:30					0
02/02/2023 02:40					0
02/02/2023 02:50					0
02/02/2023 03:00					0
02/02/2023 03:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/02/2023 03:20					0
02/02/2023 03:30					0
02/02/2023 03:40					0
02/02/2023 03:50					0
02/02/2023 04:00					0
02/02/2023 04:10					0
02/02/2023 04:20					0
02/02/2023 04:30					0
02/02/2023 04:40					0
02/02/2023 04:50					0
02/02/2023 05:00					0
02/02/2023 05:10					0
02/02/2023 05:20					0
02/02/2023 05:30					0
02/02/2023 05:40					0
02/02/2023 05:50					0
02/02/2023 06:00					0
02/02/2023 06:10					0
02/02/2023 06:20					0
02/02/2023 06:30					0
02/02/2023 06:40					0
02/02/2023 06:50					0
02/02/2023 07:00					0
02/02/2023 07:10					0
02/02/2023 07:20					0
02/02/2023 07:30					0
02/02/2023 07:40					0
02/02/2023 07:50					0
02/02/2023 08:00					0
02/02/2023 08:10					0
02/02/2023 08:20					0
02/02/2023 08:30					0
02/02/2023 08:40					0
02/02/2023 08:50					0
02/02/2023 09:00					0
02/02/2023 09:10					0
02/02/2023 09:20					0
02/02/2023 09:30					0
02/02/2023 09:40					0
02/02/2023 09:50					0
02/02/2023 10:00					0
02/02/2023 10:10					0
02/02/2023 10:20					0
02/02/2023 10:30					0
02/02/2023 10:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/02/2023 10:50					0
02/02/2023 11:00					0
02/02/2023 11:10					0
02/02/2023 11:20					0
02/02/2023 11:30					0
02/02/2023 11:40					0
02/02/2023 11:50					0
02/02/2023 12:00					0
02/02/2023 12:10					0
02/02/2023 12:20					0
02/02/2023 12:30					0
02/02/2023 12:40					0
02/02/2023 12:50					0
02/02/2023 13:00					0
02/02/2023 13:10					0
02/02/2023 13:20					0
02/02/2023 13:30					0
02/02/2023 13:40					0
02/02/2023 13:50					0
02/02/2023 14:00					0
02/02/2023 14:10					0
02/02/2023 14:20					0
02/02/2023 14:30					0
02/02/2023 14:40					0
02/02/2023 14:50					0
02/02/2023 15:00					0
02/02/2023 15:10					0
02/02/2023 15:20					0
02/02/2023 15:30					0
02/02/2023 15:40					0
02/02/2023 15:50					0
02/02/2023 16:00					0
02/02/2023 16:10					0
02/02/2023 16:20					0
02/02/2023 16:30					0
02/02/2023 16:40					0
02/02/2023 16:50					0
02/02/2023 17:00					0
02/02/2023 17:10					0
02/02/2023 17:20					0
02/02/2023 17:30					0
02/02/2023 17:40					0
02/02/2023 17:50					0
02/02/2023 18:00					0
02/02/2023 18:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/02/2023 18:20					0
02/02/2023 18:30					0
02/02/2023 18:40					0
02/02/2023 18:50					0
02/02/2023 19:00					0
02/02/2023 19:10					0
02/02/2023 19:20					0
02/02/2023 19:30					0
02/02/2023 19:40					0
02/02/2023 19:50					0
02/02/2023 20:00					0
02/02/2023 20:10					0
02/02/2023 20:20					0
02/02/2023 20:30					0
02/02/2023 20:40					0
02/02/2023 20:50					0
02/02/2023 21:00					0
02/02/2023 21:10					0
02/02/2023 21:20					0
02/02/2023 21:30					0
02/02/2023 21:40					0
02/02/2023 21:50					0
02/02/2023 22:00					0
02/02/2023 22:10					0
02/02/2023 22:20					0
02/02/2023 22:30					0
02/02/2023 22:40					0
02/02/2023 22:50					0
02/02/2023 23:00					0
02/02/2023 23:10					0
02/02/2023 23:20					0
02/02/2023 23:30					0
02/02/2023 23:40					0
02/02/2023 23:50					0
02/03/2023 00:00					0
02/03/2023 00:10					0
02/03/2023 00:20					0
02/03/2023 00:30					0
02/03/2023 00:40					0
02/03/2023 00:50					0
02/03/2023 01:00					0
02/03/2023 01:10					0
02/03/2023 01:20					0
02/03/2023 01:30					0
02/03/2023 01:40					0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/03/2023 01:50					0
02/03/2023 02:00					0
02/03/2023 02:10					0
02/03/2023 02:20					0
02/03/2023 02:30					0
02/03/2023 02:40					0
02/03/2023 02:50					0
02/03/2023 03:00					0
02/03/2023 03:10					0
02/03/2023 03:20					0
02/03/2023 03:30					0
02/03/2023 03:40					0
02/03/2023 03:50					0
02/03/2023 04:00					0
02/03/2023 04:10					0
02/03/2023 04:20					0
02/03/2023 04:30					0
02/03/2023 04:40					0
02/03/2023 04:50					0
02/03/2023 05:00					0
02/03/2023 05:10					0
02/03/2023 05:20					0
02/03/2023 05:30					0
02/03/2023 05:40					0
02/03/2023 05:50					0
02/03/2023 06:00					0
02/03/2023 06:10					0
02/03/2023 06:20					0
02/03/2023 06:30					0
02/03/2023 06:40					0
02/03/2023 06:50					0
02/03/2023 07:00					0
02/03/2023 07:10					0
02/03/2023 07:20					0
02/03/2023 07:30					0
02/03/2023 07:40					0
02/03/2023 07:50					0
02/03/2023 08:00					0
02/03/2023 08:10					0
02/03/2023 08:20					0
02/03/2023 08:30					0
02/03/2023 08:40					0
02/03/2023 08:50					0
02/03/2023 09:00					0
02/03/2023 09:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/03/2023 09:20					0
02/03/2023 09:30					0
02/03/2023 09:40					0
02/03/2023 09:50					0
02/03/2023 10:00					0
02/03/2023 10:10					0
02/03/2023 10:20					0
02/03/2023 10:30					0
02/03/2023 10:40					0
02/03/2023 10:50					0
02/03/2023 11:00					0
02/03/2023 11:10					0
02/03/2023 11:20					0
02/03/2023 11:30					0
02/03/2023 11:40					0
02/03/2023 11:50					0
02/03/2023 12:00					0
02/03/2023 12:10					0
02/03/2023 12:20					0
02/03/2023 12:30					0
02/03/2023 12:40					0
02/03/2023 12:50					0
02/03/2023 13:00					0
02/03/2023 13:10					0
02/03/2023 13:20					0
02/03/2023 13:30					0
02/03/2023 13:40					0
02/03/2023 13:50					0
02/03/2023 14:00					0
02/03/2023 14:10					0
02/03/2023 14:20					0
02/03/2023 14:30					0
02/03/2023 14:40					0
02/03/2023 14:50					0
02/03/2023 15:00					0
02/03/2023 15:10					0
02/03/2023 15:20					0
02/03/2023 15:30					0
02/03/2023 15:40					0
02/03/2023 15:50					0
02/03/2023 16:00					0
02/03/2023 16:10					0
02/03/2023 16:20					0
02/03/2023 16:30					0
02/03/2023 16:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/03/2023 16:50					0
02/03/2023 17:00					0
02/03/2023 17:10					0
02/03/2023 17:20					0
02/03/2023 17:30					0
02/03/2023 17:40					0
02/03/2023 17:50					0
02/03/2023 18:00					0
02/03/2023 18:10					0
02/03/2023 18:20					0
02/03/2023 18:30					0
02/03/2023 18:40					0
02/03/2023 18:50					0
02/03/2023 19:00					0
02/03/2023 19:10					0
02/03/2023 19:20					0
02/03/2023 19:30					0
02/03/2023 19:40					0
02/03/2023 19:50					0
02/03/2023 20:00					0
02/03/2023 20:10					0
02/03/2023 20:20					0
02/03/2023 20:30					0
02/03/2023 20:40					0
02/03/2023 20:50					0
02/03/2023 21:00					0
02/03/2023 21:10					0
02/03/2023 21:20					0
02/03/2023 21:30					0
02/03/2023 21:40					0
02/03/2023 21:50					0
02/03/2023 22:00					0
02/03/2023 22:10					0
02/03/2023 22:20					0
02/03/2023 22:30					0
02/03/2023 22:40					0
02/03/2023 22:50					0
02/03/2023 23:00					0
02/03/2023 23:10					0
02/03/2023 23:20					0
02/03/2023 23:30					0
02/03/2023 23:40					0
02/03/2023 23:50					0
02/04/2023 00:00					0
02/04/2023 00:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/04/2023 00:20					0
02/04/2023 00:30					0
02/04/2023 00:40					0
02/04/2023 00:50					0
02/04/2023 01:00					0
02/04/2023 01:10					0
02/04/2023 01:20					0
02/04/2023 01:30					0
02/04/2023 01:40					0
02/04/2023 01:50					0
02/04/2023 02:00					0
02/04/2023 02:10					0
02/04/2023 02:20					0
02/04/2023 02:30					0
02/04/2023 02:40					0
02/04/2023 02:50					0
02/04/2023 03:00					0
02/04/2023 03:10					0
02/04/2023 03:20					0
02/04/2023 03:30					0
02/04/2023 03:40					0
02/04/2023 03:50					0
02/04/2023 04:00					0
02/04/2023 04:10					0
02/04/2023 04:20					0
02/04/2023 04:30					0
02/04/2023 04:40					0
02/04/2023 04:50					0
02/04/2023 05:00					0
02/04/2023 05:10					0
02/04/2023 05:20					0
02/04/2023 05:30					0
02/04/2023 05:40					0
02/04/2023 05:50					0
02/04/2023 06:00					0
02/04/2023 06:10					0
02/04/2023 06:20					0
02/04/2023 06:30					0
02/04/2023 06:40					0
02/04/2023 06:50					0
02/04/2023 07:00					0
02/04/2023 07:10					0
02/04/2023 07:20					0
02/04/2023 07:30					0
02/04/2023 07:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/04/2023 07:50					0
02/04/2023 08:00					0
02/04/2023 08:10					0
02/04/2023 08:20					0
02/04/2023 08:30					0
02/04/2023 08:40					0
02/04/2023 08:50					0
02/04/2023 09:00					0
02/04/2023 09:10					0
02/04/2023 09:20					0
02/04/2023 09:30					0
02/04/2023 09:40					0
02/04/2023 09:50					0
02/04/2023 10:00					0
02/04/2023 10:10					0
02/04/2023 10:20					0
02/04/2023 10:30					0
02/04/2023 10:40					0
02/04/2023 10:50					0
02/04/2023 11:00					0
02/04/2023 11:10					0
02/04/2023 11:20					0
02/04/2023 11:30					0
02/04/2023 11:40					0
02/04/2023 11:50					0
02/04/2023 12:00					0
02/04/2023 12:10					0
02/04/2023 12:20					0
02/04/2023 12:30					0
02/04/2023 12:40					0
02/04/2023 12:50					0
02/04/2023 13:00					0
02/04/2023 13:10					0
02/04/2023 13:20					0
02/04/2023 13:30					0
02/04/2023 13:40					0
02/04/2023 13:50					0
02/04/2023 14:00					0
02/04/2023 14:10					0
02/04/2023 14:20					0
02/04/2023 14:30					0
02/04/2023 14:40					0
02/04/2023 14:50					0
02/04/2023 15:00					0
02/04/2023 15:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/04/2023 15:20					0
02/04/2023 15:30					0
02/04/2023 15:40					0
02/04/2023 15:50					0
02/04/2023 16:00					0
02/04/2023 16:10					0
02/04/2023 16:20					0
02/04/2023 16:30					0
02/04/2023 16:40					0
02/04/2023 16:50					0
02/04/2023 17:00					0
02/04/2023 17:10					0
02/04/2023 17:20					0
02/04/2023 17:30					0
02/04/2023 17:40					0
02/04/2023 17:50					0
02/04/2023 18:00					0
02/04/2023 18:10					0
02/04/2023 18:20					0
02/04/2023 18:30					0
02/04/2023 18:40					0
02/04/2023 18:50					0
02/04/2023 19:00					0
02/04/2023 19:10					0
02/04/2023 19:20					0
02/04/2023 19:30					0
02/04/2023 19:40					0
02/04/2023 19:50					0
02/04/2023 20:00					0
02/04/2023 20:10					0
02/04/2023 20:20					0
02/04/2023 20:30					0
02/04/2023 20:40					0
02/04/2023 20:50					0
02/04/2023 21:00					0
02/04/2023 21:10					0
02/04/2023 21:20					0
02/04/2023 21:30					0
02/04/2023 21:40					0
02/04/2023 21:50					0
02/04/2023 22:00					0
02/04/2023 22:10					0
02/04/2023 22:20					0
02/04/2023 22:30					0
02/04/2023 22:40					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/04/2023 22:50					0
02/04/2023 23:00					0
02/04/2023 23:10					0
02/04/2023 23:20					0
02/04/2023 23:30					0
02/04/2023 23:40	3.3	62	14	9.7	0
02/04/2023 23:50	6.4	62	20	12.7	0
02/05/2023 00:00	5.9	51	19	11.2	0.2
02/05/2023 00:10	4.7	45	21	8	0
02/05/2023 00:20	4.3	37	20	7.5	0
02/05/2023 00:30	3.3	35	24	5.9	0
02/05/2023 00:40	2.7	30	26	4.4	0
02/05/2023 00:50	2.8	14	28	4.8	0
02/05/2023 01:00	2.6	15	29	4.9	0
02/05/2023 01:10	3.4	21	23	5.6	0
02/05/2023 01:20	2.5	172	26	4.5	0
02/05/2023 01:30	2.1	312	32	3.5	0.9
02/05/2023 01:40	2.1	341	28	3.9	0.2
02/05/2023 01:50	2.3	323	30	3.8	0.1
02/05/2023 02:00	2	259	26	3.6	0.1
02/05/2023 02:10	2.5	254	12	3.4	0.1
02/05/2023 02:20	1.7	273	35	2.6	0
02/05/2023 02:30	1.5	264	23	2.5	0
02/05/2023 02:40	1.3	251	19	2	0
02/05/2023 02:50	3.2	241	17	4.9	0
02/05/2023 03:00	3.1	245	15	4.6	0
02/05/2023 03:10	3.7	242	17	5.3	0
02/05/2023 03:20	3.5	246	16	5.8	0
02/05/2023 03:30	3.1	245	19	4.8	0
02/05/2023 03:40	3.9	243	17	6	0.1
02/05/2023 03:50	3.7	240	15	5.3	0
02/05/2023 04:00	3.2	255	20	5	0
02/05/2023 04:10	3.3	250	22	5.2	0.1
02/05/2023 04:20	4.1	246	16	6.4	0
02/05/2023 04:30	3.5	250	15	5.4	0
02/05/2023 04:40	3.5	250	20	5.4	0
02/05/2023 04:50	3.4	256	15	5.2	0
02/05/2023 05:00	3.3	254	17	4.8	0
02/05/2023 05:10	3.6	243	17	5.4	0
02/05/2023 05:20	3.7	250	15	5.6	0
02/05/2023 05:30	3.9	254	16	5.4	0
02/05/2023 05:40	3.9	243	22	5.6	0
02/05/2023 05:50	3.4	262	18	5.3	0
02/05/2023 06:00	4.3	210	19	7	0
02/05/2023 06:10	4	205	21	6.6	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/05/2023 06:20	3.5	202	22	5.1	0
02/05/2023 06:30	4.3	212	18	7.3	0
02/05/2023 06:40	4.5	217	15	6.8	0
02/05/2023 06:50	3	208	25	4.8	0
02/05/2023 07:00	2.7	191	28	4.8	0
02/05/2023 07:10	1.4	180	49	2.8	0
02/05/2023 07:20	2.4	189	32	4.4	0
02/05/2023 07:30	1.4	229	63	3.1	0
02/05/2023 07:40	2.2	207	26	3.6	0
02/05/2023 07:50	2.3	180	28	5	0
02/05/2023 08:00	1.8	127	35	3.4	0
02/05/2023 08:10	1.9	193	28	3.2	0
02/05/2023 08:20	1.5	173	59	2.6	0
02/05/2023 08:30	1.7	184	34	3.2	0
02/05/2023 08:40	2.1	194	25	3.7	0
02/05/2023 08:50	1.3	147	35	2.4	0
02/05/2023 09:00	1.6	111	27	3	0
02/05/2023 09:10	1.7	116	26	2.8	0
02/05/2023 09:20	1.8	110	28	3	0
02/05/2023 09:30	1.7	111	27	2.8	0
02/05/2023 09:40	2	127	34	3.2	0
02/05/2023 09:50	1.8	119	29	3.2	0
02/05/2023 10:00	1.9	138	29	2.8	0
02/05/2023 10:10	2	119	31	3.3	0
02/05/2023 10:20	1.7	117	29	3	0
02/05/2023 10:30	2	102	29	3.6	0
02/05/2023 10:40	1.9	104	39	2.9	0
02/05/2023 10:50	0.6	108	18	3.4	0
02/05/2023 11:00	0.1	96	1	2.5	0
02/05/2023 11:10					0
02/05/2023 11:20					0
02/05/2023 11:30					0
02/05/2023 11:40					0
02/05/2023 11:50					0
02/05/2023 12:00					0
02/05/2023 12:10					0
02/05/2023 12:20					0
02/05/2023 12:30					0
02/05/2023 12:40					0
02/05/2023 12:50					0
02/05/2023 13:00					0
02/05/2023 13:10					0
02/05/2023 13:20					0
02/05/2023 13:30					0
02/05/2023 13:40					0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/05/2023 13:50					0
02/05/2023 14:00					0
02/05/2023 14:10					0
02/05/2023 14:20					0
02/05/2023 14:30					0
02/05/2023 14:40					0
02/05/2023 14:50					0
02/05/2023 15:00					0
02/05/2023 15:10					0
02/05/2023 15:20					0
02/05/2023 15:30					0
02/05/2023 15:40					0
02/05/2023 15:50					0
02/05/2023 16:00					0
02/05/2023 16:10					0
02/05/2023 16:20					0
02/05/2023 16:30					0
02/05/2023 16:40					0
02/05/2023 16:50					0
02/05/2023 17:00					0
02/05/2023 17:10					0
02/05/2023 17:20					0
02/05/2023 17:30					0
02/05/2023 17:40					0
02/05/2023 17:50					0
02/05/2023 18:00					0
02/05/2023 18:10					0
02/05/2023 18:20					0
02/05/2023 18:30					0
02/05/2023 18:40					0
02/05/2023 18:50					0
02/05/2023 19:00					0
02/05/2023 19:10					0
02/05/2023 19:20					0
02/05/2023 19:30					0
02/05/2023 19:40					0
02/05/2023 19:50					0
02/05/2023 20:00					0
02/05/2023 20:10					0
02/05/2023 20:20					0
02/05/2023 20:30					0
02/05/2023 20:40					0
02/05/2023 20:50	2.1	243	13	4.1	0
02/05/2023 21:00	3.1	238	19	4.9	0
02/05/2023 21:10	2.5	247	16	4.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/05/2023 21:20	2.7	251	16	3.6	0
02/05/2023 21:30	2.8	253	17	4.4	0
02/05/2023 21:40	3.5	256	15	4.8	0
02/05/2023 21:50	3.2	252	16	4.8	0
02/05/2023 22:00	2.8	248	20	4.4	0
02/05/2023 22:10	2.9	255	13	4.2	0
02/05/2023 22:20	2.5	254	18	4.1	0
02/05/2023 22:30	2.9	247	16	4.3	0
02/05/2023 22:40	3.9	241	17	5.8	0
02/05/2023 22:50	3.3	254	16	4.9	0
02/05/2023 23:00	3.2	247	19	4.8	0
02/05/2023 23:10	3.3	242	16	4.8	0
02/05/2023 23:20	3.3	255	14	4.6	0
02/05/2023 23:30	3.2	254	17	4.8	0
02/05/2023 23:40	3	245	18	4.8	0
02/05/2023 23:50	3.1	243	15	4.4	0
02/06/2023 00:00	3.1	244	16	4.8	0
02/06/2023 00:10	3	244	18	4.8	0
02/06/2023 00:20	2.7	251	19	4.4	0
02/06/2023 00:30	2.7	248	17	4	0
02/06/2023 00:40	3.2	243	13	4.8	0
02/06/2023 00:50	2.9	241	16	4.6	0
02/06/2023 01:00	3.4	237	19	4.8	0
02/06/2023 01:10	4	240	17	6	0
02/06/2023 01:20	3.9	238	16	5.6	0
02/06/2023 01:30	3.8	247	15	5.7	0
02/06/2023 01:40	3.1	242	18	4.9	0
02/06/2023 01:50	3.1	247	16	4	0
02/06/2023 02:00	2.3	238	20	3.3	0
02/06/2023 02:10	2.3	238	19	3.3	0
02/06/2023 02:20	1.7	218	30	2.8	0
02/06/2023 02:30	2.5	201	16	4	0
02/06/2023 02:40	1.9	183	23	3	0
02/06/2023 02:50	1.5	170	35	3.5	0
02/06/2023 03:00	1.4	159	30	2.8	0
02/06/2023 03:10	1.1	132	30	2.4	0
02/06/2023 03:20	0.7	127	32	1.5	0
02/06/2023 03:30	0.7	104	28	1.6	0
02/06/2023 03:40	0.7	76	38	1.1	0
02/06/2023 03:50	0.8	45	22	1.4	0
02/06/2023 04:00	0.6	37	21	1	0
02/06/2023 04:10	0.3	63	16	0.8	0
02/06/2023 04:20	0.4	52	13	0.9	0
02/06/2023 04:30	0.2	53	14	0.6	0
02/06/2023 04:40	0.3	54	10	0.7	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/06/2023 04:50	0.1	60	19	0.5	0
02/06/2023 05:00					0
02/06/2023 05:10	0.1	260	12	0.4	0
02/06/2023 05:20	0.3	327	19	1.2	0
02/06/2023 05:30	0.6	210	32	1.6	0
02/06/2023 05:40	0.9	50	17	1.5	0
02/06/2023 05:50	1	37	18	1.5	0
02/06/2023 06:00	0.9	39	14	1.3	0
02/06/2023 06:10	1	34	16	1.3	0
02/06/2023 06:20	0.8	53	24	1.2	0
02/06/2023 06:30	0.5	60	26	0.9	0
02/06/2023 06:40	0.6	74	21	1.2	0
02/06/2023 06:50	0.4	102	18	0.9	0
02/06/2023 07:00	0.7	103	24	1.2	0
02/06/2023 07:10	0.8	134	26	1.3	0
02/06/2023 07:20	0.5	139	17	1	0
02/06/2023 07:30					0
02/06/2023 07:40					0
02/06/2023 07:50					0
02/06/2023 08:00					0
02/06/2023 08:10					0
02/06/2023 08:20					0
02/06/2023 08:30					0
02/06/2023 08:40					0
02/06/2023 08:50					0
02/06/2023 09:00					0
02/06/2023 09:10					0
02/06/2023 09:20					0
02/06/2023 09:30					0
02/06/2023 09:40					0
02/06/2023 09:50					0
02/06/2023 10:00					0
02/06/2023 10:10					0
02/06/2023 10:20					0
02/06/2023 10:30					0
02/06/2023 10:40					0
02/06/2023 10:50					0
02/06/2023 11:00					0
02/06/2023 11:10					0
02/06/2023 11:20					0
02/06/2023 11:30	0.2	33	9	2.2	0
02/06/2023 11:40	1.8	39	43	3.5	0
02/06/2023 11:50	1.8	189	47	3.4	0
02/06/2023 12:00	2.5	351	31	4	0
02/06/2023 12:10	2.4	348	35	3.6	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/06/2023 12:20	2.6	172	29	3.8	0
02/06/2023 12:30	2.3	181	32	4	0
02/06/2023 12:40	2.5	171	36	4.3	0
02/06/2023 12:50	2.4	347	42	4.1	0
02/06/2023 13:00	2.6	334	33	4	0
02/06/2023 13:10	2.4	330	29	4.9	0
02/06/2023 13:20	2.8	184	33	4.4	0
02/06/2023 13:30	2.8	12	29	4.7	0
02/06/2023 13:40	1.8	355	21	4.4	0
02/06/2023 13:50					0
02/06/2023 14:00					0
02/06/2023 14:10					0
02/06/2023 14:20					0
02/06/2023 14:30					0
02/06/2023 14:40					0
02/06/2023 14:50					0
02/06/2023 15:00					0
02/06/2023 15:10					0
02/06/2023 15:20					0
02/06/2023 15:30					0
02/06/2023 15:40					0
02/06/2023 15:50					0
02/06/2023 16:00					0
02/06/2023 16:10					0
02/06/2023 16:20					0
02/06/2023 16:30					0
02/06/2023 16:40					0
02/06/2023 16:50					0
02/06/2023 17:00					0
02/06/2023 17:10					0
02/06/2023 17:20					0
02/06/2023 17:30					0
02/06/2023 17:40					0
02/06/2023 17:50					0
02/06/2023 18:00					0
02/06/2023 18:10					0
02/06/2023 18:20					0
02/06/2023 18:30					0
02/06/2023 18:40					0
02/06/2023 18:50					0
02/06/2023 19:00					0
02/06/2023 19:10	0.9	14	15	6.4	0
02/06/2023 19:20	2.9	18	22	5.3	0
02/06/2023 19:30	3.3	17	24	5.8	0
02/06/2023 19:40	3.5	19	27	5.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/06/2023 19:50	3.5	17	26	5.8	0
02/06/2023 20:00	3.3	14	30	5.9	0
02/06/2023 20:10	3.3	16	24	5.5	0
02/06/2023 20:20	2.3	180	31	5.2	0
02/06/2023 20:30	2.4	329	34	4	0
02/06/2023 20:40	2	344	40	3.8	0
02/06/2023 20:50	2.3	340	31	4.1	0
02/06/2023 21:00	2.7	333	24	4.5	0
02/06/2023 21:10	2.1	322	24	3.7	0
02/06/2023 21:20	2.3	324	29	4.3	0
02/06/2023 21:30	1.7	315	38	3.2	0
02/06/2023 21:40	2.1	300	42	3.7	0
02/06/2023 21:50	2.1	294	43	3.6	0
02/06/2023 22:00	2	268	37	3.2	0
02/06/2023 22:10	1.5	271	37	2.5	0
02/06/2023 22:20	1.6	277	31	2.4	0
02/06/2023 22:30	1.5	303	49	3.2	0
02/06/2023 22:40	1.3	306	45	2.7	0
02/06/2023 22:50	1.4	309	34	2.4	0
02/06/2023 23:00	1.2	281	41	2.5	0
02/06/2023 23:10	1.5	265	29	2.3	0
02/06/2023 23:20	1.1	279	49	2.3	0
02/06/2023 23:30	1.5	264	30	2.4	0
02/06/2023 23:40	1.1	268	36	1.9	0
02/06/2023 23:50	1.2	276	31	2	0
02/07/2023 00:00	1.2	265	23	2	0
02/07/2023 00:10	1.1	257	25	2.1	0
02/07/2023 00:20	1.1	273	34	1.9	0
02/07/2023 00:30	1.1	260	30	1.9	0
02/07/2023 00:40	1.3	258	21	1.8	0
02/07/2023 00:50	1.3	252	21	2.5	0
02/07/2023 01:00	1.2	286	27	2.4	0
02/07/2023 01:10	1.1	269	32	1.9	0
02/07/2023 01:20	1.1	262	31	2.1	0
02/07/2023 01:30	1.6	253	17	2.3	0
02/07/2023 01:40	1.2	248	21	2	0
02/07/2023 01:50	1.3	253	16	1.8	0
02/07/2023 02:00	1	254	15	1.8	0
02/07/2023 02:10	1.2	243	15	1.7	0
02/07/2023 02:20	1.5	237	13	2.4	0
02/07/2023 02:30	1.4	242	15	1.9	0
02/07/2023 02:40	1.4	243	15	2.1	0
02/07/2023 02:50	1	247	15	1.6	0
02/07/2023 03:00	1.2	250	9	1.5	0
02/07/2023 03:10	1	254	14	1.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/07/2023 03:20	0.7	256	10	0.9	0
02/07/2023 03:30	0.3	254	18	0.8	0
02/07/2023 03:40	0.6	59	12	1.2	0
02/07/2023 03:50	0.7	45	11	1.2	0
02/07/2023 04:00	0.7	43	12	1.1	0
02/07/2023 04:10	0.7	41	17	1.2	0
02/07/2023 04:20	0.1	110	5	0.7	0
02/07/2023 04:30	0	133	1	0.4	0
02/07/2023 04:40	0.1	50	8	0.4	0
02/07/2023 04:50	0.1	130	3	0.5	0
02/07/2023 05:00	0.1	48	10	0.7	0
02/07/2023 05:10	0.1	104	8	0.6	0
02/07/2023 05:20	0.1	71	3	0.5	0
02/07/2023 05:30	0.2	56	11	0.6	0
02/07/2023 05:40	0.1	74	13	0.6	0
02/07/2023 05:50	0	82	8	0.5	0
02/07/2023 06:00	0.2	48	10	0.6	0
02/07/2023 06:10	0	77	0	0.4	0
02/07/2023 06:20	0	140	0	0.4	0
02/07/2023 06:30	0.2	114	11	0.9	0
02/07/2023 06:40	0.3	133	15	0.9	0
02/07/2023 06:50	0.3	123	14	0.8	0
02/07/2023 07:00	0.6	125	22	1.2	0
02/07/2023 07:10	0.8	124	27	1.6	0
02/07/2023 07:20	1.1	126	30	1.8	0
02/07/2023 07:30	1.1	120	23	1.9	0
02/07/2023 07:40	0.6	111	23	1.9	0
02/07/2023 07:50					0
02/07/2023 08:00	0.1	113	11	1.9	0
02/07/2023 08:10	0.1	149	7	1.3	0
02/07/2023 08:20					0
02/07/2023 08:30	1.2	150	23	2.8	0
02/07/2023 08:40	0.3	118	18	2	0
02/07/2023 08:50	1.5	116	33	2.8	0
02/07/2023 09:00	1.7	112	35	3	0
02/07/2023 09:10	1.7	113	24	2.7	0
02/07/2023 09:20	1.7	107	33	2.7	0
02/07/2023 09:30	1.7	104	31	2.9	0
02/07/2023 09:40	1.9	101	35	3.2	0
02/07/2023 09:50	1.8	85	36	2.9	0
02/07/2023 10:00	1.8	73	29	2.9	0
02/07/2023 10:10	2	82	25	3.1	0
02/07/2023 10:20	2	73	26	3.6	0
02/07/2023 10:30	2	79	20	3.2	0
02/07/2023 10:40	2.3	72	23	4	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/07/2023 10:50	2.1	71	29	3.5	0
02/07/2023 11:00	2.4	71	21	3.8	0
02/07/2023 11:10	1.4	57	10	3.8	0
02/07/2023 11:20					0
02/07/2023 11:30					0
02/07/2023 11:40					0
02/07/2023 11:50					0
02/07/2023 12:00					0
02/07/2023 12:10					0
02/07/2023 12:20					0
02/07/2023 12:30	0	101	0	0.4	0
02/07/2023 12:40					0
02/07/2023 12:50					0
02/07/2023 13:00					0
02/07/2023 13:10					0
02/07/2023 13:20					0
02/07/2023 13:30					0
02/07/2023 13:40					0
02/07/2023 13:50					0
02/07/2023 14:00					0
02/07/2023 14:10					0
02/07/2023 14:20					0
02/07/2023 14:30					0
02/07/2023 14:40					0
02/07/2023 14:50					0
02/07/2023 15:00					0
02/07/2023 15:10					0
02/07/2023 15:20					0
02/07/2023 15:30					0
02/07/2023 15:40					0
02/07/2023 15:50					0
02/07/2023 16:00					0
02/07/2023 16:10					0
02/07/2023 16:20					0
02/07/2023 16:30					0
02/07/2023 16:40					0
02/07/2023 16:50					0
02/07/2023 17:00					0
02/07/2023 17:10					0
02/07/2023 17:20					0
02/07/2023 17:30					0
02/07/2023 17:40					0
02/07/2023 17:50					0
02/07/2023 18:00					0
02/07/2023 18:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/07/2023 18:20					0
02/07/2023 18:30					0
02/07/2023 18:40					0
02/07/2023 18:50					0
02/07/2023 19:00					0
02/07/2023 19:10					0
02/07/2023 19:20					0
02/07/2023 19:30					0
02/07/2023 19:40					0
02/07/2023 19:50					0
02/07/2023 20:00					0
02/07/2023 20:10					0
02/07/2023 20:20					0
02/07/2023 20:30					0
02/07/2023 20:40					0
02/07/2023 20:50					0
02/07/2023 21:00					0
02/07/2023 21:10					0
02/07/2023 21:20					0
02/07/2023 21:30					0
02/07/2023 21:40					0
02/07/2023 21:50					0
02/07/2023 22:00					0
02/07/2023 22:10					0
02/07/2023 22:20					0
02/07/2023 22:30					0
02/07/2023 22:40					0
02/07/2023 22:50					0
02/07/2023 23:00	1.9	254	17	3	0
02/07/2023 23:10	2.3	249	13	3.2	0
02/07/2023 23:20	2.2	251	17	3.1	0
02/07/2023 23:30	2	244	13	2.9	0
02/07/2023 23:40	2.1	248	16	3.3	0
02/07/2023 23:50	2.2	249	13	3.2	0
02/08/2023 00:00	2.1	249	15	3	0
02/08/2023 00:10	2.2	253	15	3	0
02/08/2023 00:20	1.9	259	14	2.9	0
02/08/2023 00:30	1.5	264	15	2.7	0
02/08/2023 00:40					0
02/08/2023 00:50	2.5	250	10	4	0
02/08/2023 01:00	2.9	254	14	4	0
02/08/2023 01:10	2.4	251	14	3.5	0
02/08/2023 01:20	2.3	248	17	3.2	0
02/08/2023 01:30	2.3	249	17	3.2	0
02/08/2023 01:40	2.3	245	14	3.2	0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/08/2023 01:50	2.3	243	14	3.2	0
02/08/2023 02:00	2	239	17	3.2	0
02/08/2023 02:10	2	235	16	3.3	0
02/08/2023 02:20	2.6	237	15	3.8	0
02/08/2023 02:30	2.2	244	17	3.1	0
02/08/2023 02:40	2.1	249	16	3	0
02/08/2023 02:50	1.7	248	16	2.6	0
02/08/2023 03:00	1.6	248	16	2.4	0
02/08/2023 03:10	1.8	254	15	2.4	0
02/08/2023 03:20	1.6	238	12	2.3	0
02/08/2023 03:30	1.4	244	15	2.4	0
02/08/2023 03:40	1.8	243	16	2.6	0
02/08/2023 03:50	1.5	244	18	2.3	0
02/08/2023 04:00	1.5	255	14	2.3	0
02/08/2023 04:10	1.6	263	13	2.1	0
02/08/2023 04:20	1.4	271	11	1.9	0
02/08/2023 04:30	0.7	323	18	1.1	0
02/08/2023 04:40	0.9	336	20	1.5	0
02/08/2023 04:50	0.7	292	18	1.2	0
02/08/2023 05:00	0.7	316	20	1	0
02/08/2023 05:10	0.3	264	18	0.7	0
02/08/2023 05:20					0
02/08/2023 05:30	0.4	256	7	0.8	0
02/08/2023 05:40	0	247	0	0.4	0
02/08/2023 05:50					0
02/08/2023 06:00					0
02/08/2023 06:10					0
02/08/2023 06:20	0.1	55	1	0.6	0
02/08/2023 06:30	0.4	63	7	0.8	0
02/08/2023 06:40	0.6	68	15	0.9	0
02/08/2023 06:50	0.7	74	20	1.1	0
02/08/2023 07:00	0.9	79	21	1.3	0
02/08/2023 07:10	0.8	82	15	1.6	0
02/08/2023 07:20					0
02/08/2023 07:30					0
02/08/2023 07:40					0
02/08/2023 07:50					0
02/08/2023 08:00					0
02/08/2023 08:10					0
02/08/2023 08:20					0
02/08/2023 08:30					0
02/08/2023 08:40	0	95	0	0.4	0
02/08/2023 08:50	0	83	9	0.8	0
02/08/2023 09:00	0	67	0	0.4	0
02/08/2023 09:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/08/2023 09:20					0
02/08/2023 09:30					0
02/08/2023 09:40					0
02/08/2023 09:50					0
02/08/2023 10:00					0
02/08/2023 10:10					0
02/08/2023 10:20					0
02/08/2023 10:30					0
02/08/2023 10:40					0
02/08/2023 10:50					0
02/08/2023 11:00					0
02/08/2023 11:10					0
02/08/2023 11:20					0
02/08/2023 11:30					0
02/08/2023 11:40					0
02/08/2023 11:50					0
02/08/2023 12:00					0
02/08/2023 12:10					0
02/08/2023 12:20					0
02/08/2023 12:30					0
02/08/2023 12:40					0
02/08/2023 12:50					0
02/08/2023 13:00					0
02/08/2023 13:10					0
02/08/2023 13:20					0
02/08/2023 13:30					0
02/08/2023 13:40					0
02/08/2023 13:50					0
02/08/2023 14:00					0
02/08/2023 14:10					0
02/08/2023 14:20					0
02/08/2023 14:30					0
02/08/2023 14:40					0
02/08/2023 14:50					0
02/08/2023 15:00					0
02/08/2023 15:10					0
02/08/2023 15:20					0
02/08/2023 15:30					0
02/08/2023 15:40					0
02/08/2023 15:50					0
02/08/2023 16:00					0
02/08/2023 16:10					0
02/08/2023 16:20					0
02/08/2023 16:30					0
02/08/2023 16:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/08/2023 16:50					0
02/08/2023 17:00					0
02/08/2023 17:10					0
02/08/2023 17:20					0
02/08/2023 17:30					0
02/08/2023 17:40					0
02/08/2023 17:50					0
02/08/2023 18:00					0
02/08/2023 18:10					0
02/08/2023 18:20					0
02/08/2023 18:30					0
02/08/2023 18:40	2.2	16	25	4.3	0
02/08/2023 18:50	2.9	16	30	4.7	0
02/08/2023 19:00	2.7	20	27	5.1	0
02/08/2023 19:10	2.8	15	29	4.5	0
02/08/2023 19:20	2.7	12	24	3.9	0
02/08/2023 19:30	2.4	15	30	4.2	0
02/08/2023 19:40	2.4	16	32	3.9	0
02/08/2023 19:50	2.8	17	27	5.1	0
02/08/2023 20:00	2.9	17	30	4.6	0
02/08/2023 20:10	2.5	24	29	4.6	0
02/08/2023 20:20	3	24	31	4.7	0
02/08/2023 20:30	2.8	20	27	4.4	0
02/08/2023 20:40	2.6	23	29	4.5	0
02/08/2023 20:50	2.7	25	32	4.8	0
02/08/2023 21:00	3	16	23	4.4	0
02/08/2023 21:10	2.5	23	29	4.4	0
02/08/2023 21:20	2.6	24	24	4.5	0
02/08/2023 21:30	2.6	20	26	4.2	0
02/08/2023 21:40	2.5	29	27	3.8	0
02/08/2023 21:50	2.6	20	26	3.9	0
02/08/2023 22:00	2.3	13	32	3.9	0
02/08/2023 22:10	1.5	180	56	2.8	0
02/08/2023 22:20	1.1	177	50	2.6	0
02/08/2023 22:30	1.4	28	43	3.2	0
02/08/2023 22:40	1.3	17	63	2.6	0
02/08/2023 22:50	1.6	339	32	2.8	0
02/08/2023 23:00	1.5	328	26	2.7	0
02/08/2023 23:10	0.9	313	53	2	0
02/08/2023 23:20	1.1	151	26	2.1	0
02/08/2023 23:30	1.4	330	32	3	0
02/08/2023 23:40	1.3	349	33	2	0
02/08/2023 23:50	1.3	348	34	2.4	0
02/09/2023 00:00	1.8	349	30	3.1	0
02/09/2023 00:10	1.5	336	32	2.7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/09/2023 00:20	1.4	160	35	2.6	0
02/09/2023 00:30	1.5	337	34	2.4	0
02/09/2023 00:40	1.5	321	35	2.8	0
02/09/2023 00:50	1.6	318	29	2.6	0
02/09/2023 01:00	1.7	327	30	3	0
02/09/2023 01:10	1.7	322	24	2.8	0
02/09/2023 01:20	1.3	175	39	2.7	0
02/09/2023 01:30	1.6	353	29	2.9	0
02/09/2023 01:40	0.9	348	47	1.9	0
02/09/2023 01:50	1.1	172	39	2.9	0
02/09/2023 02:00	0.9	165	38	1.5	0
02/09/2023 02:10	0.6	329	54	1.5	0
02/09/2023 02:20	0.9	320	37	2.2	0
02/09/2023 02:30	1.1	293	38	2.2	0
02/09/2023 02:40	1.4	327	27	2.1	0
02/09/2023 02:50	1.2	308	33	2.1	0
02/09/2023 03:00	0.7	292	42	1.2	0
02/09/2023 03:10	1	313	38	1.7	0
02/09/2023 03:20	1	322	36	1.5	0
02/09/2023 03:30	0.9	254	23	1.6	0
02/09/2023 03:40	1	285	34	1.8	0
02/09/2023 03:50	1.2	255	18	1.9	0
02/09/2023 04:00	1.6	249	17	2.4	0
02/09/2023 04:10	1.7	251	17	2.4	0
02/09/2023 04:20	1.8	237	15	2.5	0
02/09/2023 04:30	1.6	236	18	2.1	0
02/09/2023 04:40	1.6	240	17	2.1	0
02/09/2023 04:50	1.5	242	19	2.5	0
02/09/2023 05:00	1.8	220	18	2.7	0
02/09/2023 05:10	1.8	237	19	2.8	0
02/09/2023 05:20	2.1	223	17	3.1	0
02/09/2023 05:30	2	230	17	3	0
02/09/2023 05:40	2	230	22	3.2	0
02/09/2023 05:50	2	220	18	3.1	0
02/09/2023 06:00	1.7	227	18	2.4	0
02/09/2023 06:10	1.7	226	21	2.4	0
02/09/2023 06:20	1.5	226	23	2.3	0
02/09/2023 06:30	1.8	227	20	2.4	0
02/09/2023 06:40	2.2	224	17	3.3	0
02/09/2023 06:50	2	220	18	2.8	0
02/09/2023 07:00	1.7	213	18	2.4	0
02/09/2023 07:10	1.7	196	18	2.5	0
02/09/2023 07:20	1.3	264	39	2.4	0
02/09/2023 07:30	1.4	235	21	2.4	0
02/09/2023 07:40	2	230	22	3	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/09/2023 07:50	1.9	206	23	3	0
02/09/2023 08:00	1.2	253	35	2	0
02/09/2023 08:10	1.1	178	61	2	0
02/09/2023 08:20	1.3	217	51	2.9	0
02/09/2023 08:30					0
02/09/2023 08:40					0
02/09/2023 08:50	0	306	2	0.4	0
02/09/2023 09:00	0.1	211	9	0.7	0
02/09/2023 09:10	1.2	259	38	3.6	0
02/09/2023 09:20	1.9	297	33	2.8	0
02/09/2023 09:30	2.2	333	37	3.8	0
02/09/2023 09:40	2.1	330	40	3.8	0
02/09/2023 09:50	2.6	333	32	4.3	0
02/09/2023 10:00	2	326	40	3.6	0
02/09/2023 10:10	1.9	324	38	3.6	0
02/09/2023 10:20	2.5	331	34	3.9	0
02/09/2023 10:30	2.5	340	44	4.3	0
02/09/2023 10:40					0
02/09/2023 10:50					0
02/09/2023 11:00					0
02/09/2023 11:10					0
02/09/2023 11:20					0
02/09/2023 11:30					0
02/09/2023 11:40					0
02/09/2023 11:50					0
02/09/2023 12:00					0
02/09/2023 12:10					0
02/09/2023 12:20					0
02/09/2023 12:30					0
02/09/2023 12:40					0
02/09/2023 12:50					0
02/09/2023 13:00					0
02/09/2023 13:10					0
02/09/2023 13:20					0
02/09/2023 13:30					0
02/09/2023 13:40					0
02/09/2023 13:50					0
02/09/2023 14:00					0
02/09/2023 14:10					0
02/09/2023 14:20					0
02/09/2023 14:30					0
02/09/2023 14:40					0
02/09/2023 14:50					0
02/09/2023 15:00					0
02/09/2023 15:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/09/2023 15:20					0
02/09/2023 15:30					0
02/09/2023 15:40					0
02/09/2023 15:50					0
02/09/2023 16:00					0
02/09/2023 16:10					0
02/09/2023 16:20					0
02/09/2023 16:30					0
02/09/2023 16:40					0
02/09/2023 16:50					0
02/09/2023 17:00					0
02/09/2023 17:10					0
02/09/2023 17:20					0
02/09/2023 17:30					0
02/09/2023 17:40					0
02/09/2023 17:50					0
02/09/2023 18:00					0
02/09/2023 18:10					0
02/09/2023 18:20	1.5	284	20	3.8	0
02/09/2023 18:30	2.1	283	39	3.5	0
02/09/2023 18:40	2.4	310	43	4.4	0
02/09/2023 18:50	2.7	316	31	4.4	0
02/09/2023 19:00	3	316	30	5	0
02/09/2023 19:10	2.8	324	33	4.7	0
02/09/2023 19:20	2.5	310	41	4.9	0
02/09/2023 19:30	2.1	287	46	3.6	0
02/09/2023 19:40	2.1	290	44	3.8	0
02/09/2023 19:50	2.3	277	41	3.6	0
02/09/2023 20:00	2	274	41	3.9	0
02/09/2023 20:10	2.4	259	27	4	0
02/09/2023 20:20	1.8	277	39	3	0
02/09/2023 20:30	2	269	38	3.2	0
02/09/2023 20:40	2.1	290	47	4.7	0
02/09/2023 20:50	2.1	290	43	4	0
02/09/2023 21:00	2.1	286	48	3.6	0
02/09/2023 21:10	2.5	298	38	4.4	0
02/09/2023 21:20	2.1	290	52	3.6	0
02/09/2023 21:30	2.2	282	41	4.1	0
02/09/2023 21:40	2.2	270	41	4	0
02/09/2023 21:50	2.2	279	42	4	0
02/09/2023 22:00	2.1	282	44	3.5	0
02/09/2023 22:10	2.8	259	28	4.7	0
02/09/2023 22:20	2.5	267	31	4	0
02/09/2023 22:30	2.1	281	46	4.4	0
02/09/2023 22:40	2.1	274	50	3.7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/09/2023 22:50	2.5	267	28	4	0
02/09/2023 23:00	2.2	261	32	4	0
02/09/2023 23:10	2.7	263	24	4.5	0
02/09/2023 23:20	2.6	266	26	4.4	0
02/09/2023 23:30	2.8	260	26	4.6	0
02/09/2023 23:40	3.2	265	24	5.2	0
02/09/2023 23:50	2.9	261	24	5.2	0
02/10/2023 00:00	2.9	263	22	4.6	0
02/10/2023 00:10	2.7	265	25	4.8	0
02/10/2023 00:20	2.9	260	27	4.8	0
02/10/2023 00:30	2.9	266	26	4.9	0
02/10/2023 00:40	3	260	21	5.2	0
02/10/2023 00:50	2.9	257	22	4.4	0
02/10/2023 01:00	2.3	269	28	3.7	0
02/10/2023 01:10	2.8	265	23	4.2	0
02/10/2023 01:20	3.4	258	19	5.8	0
02/10/2023 01:30	3.2	255	17	5.2	0
02/10/2023 01:40	2.5	260	19	3.7	0
02/10/2023 01:50	2.8	262	21	4.2	0
02/10/2023 02:00	4.2	249	15	5.9	0
02/10/2023 02:10	3.8	249	16	5.6	0
02/10/2023 02:20	3.6	252	17	4.9	0
02/10/2023 02:30	3.7	259	17	5.4	0
02/10/2023 02:40	3.3	256	19	5.1	0
02/10/2023 02:50	3.1	262	22	5.1	0
02/10/2023 03:00	2.9	267	18	4.4	0
02/10/2023 03:10	3.1	262	22	5.3	0
02/10/2023 03:20	3.5	259	18	5.4	0
02/10/2023 03:30	3.3	253	20	4.8	0
02/10/2023 03:40	3.5	255	15	5.2	0
02/10/2023 03:50	3.5	256	16	5.3	0
02/10/2023 04:00	3.6	249	19	5.3	0
02/10/2023 04:10	3.4	249	16	5.2	0
02/10/2023 04:20	3.6	249	22	5.6	0
02/10/2023 04:30	3.5	248	22	5.2	0
02/10/2023 04:40	3.4	249	17	5.2	0
02/10/2023 04:50	3.7	250	14	5.2	0
02/10/2023 05:00	3.3	251	18	4.7	0
02/10/2023 05:10	3.4	253	15	4.7	0
02/10/2023 05:20	3.2	245	20	4.8	0
02/10/2023 05:30	3.2	246	17	5.4	0
02/10/2023 05:40	3.3	257	16	4.6	0
02/10/2023 05:50	3.3	247	17	5.2	0
02/10/2023 06:00	3.1	233	18	4.5	0
02/10/2023 06:10	2.3	233	16	3.6	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/10/2023 06:20	2.4	241	17	3.8	0
02/10/2023 06:30	2.3	230	19	4	0
02/10/2023 06:40	2.7	227	16	4.1	0
02/10/2023 06:50	3.4	215	15	4.9	0
02/10/2023 07:00	3.6	217	15	5	0
02/10/2023 07:10	4.2	226	18	6	0
02/10/2023 07:20	3.8	232	20	6.1	0
02/10/2023 07:30	3.9	227	21	6	0
02/10/2023 07:40	4.2	227	18	6.3	0
02/10/2023 07:50	4.3	232	17	6	0
02/10/2023 08:00	2.8	235	16	5.6	0
02/10/2023 08:10					0
02/10/2023 08:20					0
02/10/2023 08:30					0
02/10/2023 08:40					0
02/10/2023 08:50					0
02/10/2023 09:00					0
02/10/2023 09:10					0
02/10/2023 09:20					0
02/10/2023 09:30					0
02/10/2023 09:40					0
02/10/2023 09:50					0
02/10/2023 10:00					0
02/10/2023 10:10					0
02/10/2023 10:20					0
02/10/2023 10:30					0
02/10/2023 10:40					0
02/10/2023 10:50					0
02/10/2023 11:00					0
02/10/2023 11:10					0
02/10/2023 11:20					0
02/10/2023 11:30					0
02/10/2023 11:40					0
02/10/2023 11:50					0
02/10/2023 12:00					0
02/10/2023 12:10					0
02/10/2023 12:20					0
02/10/2023 12:30					0
02/10/2023 12:40					0
02/10/2023 12:50					0
02/10/2023 13:00					0
02/10/2023 13:10					0
02/10/2023 13:20					0
02/10/2023 13:30					0
02/10/2023 13:40					0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/10/2023 13:50					0
02/10/2023 14:00					0
02/10/2023 14:10					0
02/10/2023 14:20					0
02/10/2023 14:30					0
02/10/2023 14:40					0
02/10/2023 14:50					0
02/10/2023 15:00					0
02/10/2023 15:10					0
02/10/2023 15:20					0
02/10/2023 15:30					0
02/10/2023 15:40					0
02/10/2023 15:50					0
02/10/2023 16:00					0
02/10/2023 16:10					0
02/10/2023 16:20					0
02/10/2023 16:30					0
02/10/2023 16:40					0
02/10/2023 16:50					0
02/10/2023 17:00					0
02/10/2023 17:10					0
02/10/2023 17:20					0
02/10/2023 17:30					0
02/10/2023 17:40					0
02/10/2023 17:50					0
02/10/2023 18:00					0
02/10/2023 18:10					0
02/10/2023 18:20					0
02/10/2023 18:30					0
02/10/2023 18:40					0
02/10/2023 18:50	3	244	11	7.3	0
02/10/2023 19:00	4.7	256	17	7	0
02/10/2023 19:10	5.1	257	13	7.9	0
02/10/2023 19:20	4.8	258	19	6.6	0
02/10/2023 19:30	5.3	256	14	8	0
02/10/2023 19:40	5.1	257	16	7.2	0
02/10/2023 19:50	5	258	17	7.2	0
02/10/2023 20:00	4.9	255	16	7	0
02/10/2023 20:10	4.8	256	18	6.9	0
02/10/2023 20:20	5.8	259	15	8.1	0
02/10/2023 20:30	4.5	254	16	6.8	0
02/10/2023 20:40	5	258	16	7.5	0
02/10/2023 20:50	4.6	256	18	6.8	0
02/10/2023 21:00	4.6	259	18	7.3	0
02/10/2023 21:10	4.5	257	16	7.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/10/2023 21:20	4.5	258	19	6.9	0
02/10/2023 21:30	4	260	19	6	0
02/10/2023 21:40	4.4	258	16	6.9	0
02/10/2023 21:50	4.8	258	18	7.2	0
02/10/2023 22:00	4.7	261	17	7	0
02/10/2023 22:10	3.9	261	21	6.8	0
02/10/2023 22:20	3.8	262	22	6.5	0
02/10/2023 22:30	4.1	261	17	6	0
02/10/2023 22:40	4.6	256	12	6.3	0
02/10/2023 22:50	4	263	18	6	0
02/10/2023 23:00	3.9	255	17	5.9	0
02/10/2023 23:10	4.4	255	17	6.4	0
02/10/2023 23:20	4.2	257	17	6.4	0
02/10/2023 23:30	4.4	257	22	6.7	0
02/10/2023 23:40	4	257	17	5.5	0
02/10/2023 23:50	4	258	18	6	0
02/11/2023 00:00	3.9	261	16	5.6	0
02/11/2023 00:10	4.4	261	13	6.8	0
02/11/2023 00:20	4.1	260	19	6.4	0
02/11/2023 00:30	4.7	259	15	7.3	0
02/11/2023 00:40	4.2	260	15	6	0
02/11/2023 00:50	3.8	262	20	5.7	0
02/11/2023 01:00	3.3	260	20	5.7	0
02/11/2023 01:10	3.6	254	21	6	0
02/11/2023 01:20	4	248	18	5.6	0
02/11/2023 01:30	3.4	246	19	5.3	0
02/11/2023 01:40	3.5	253	15	5.1	0
02/11/2023 01:50	3	244	20	4.8	0
02/11/2023 02:00	2.8	241	18	4.6	0
02/11/2023 02:10	2.6	219	20	3.7	0
02/11/2023 02:20	2.6	239	17	4	0
02/11/2023 02:30	2.3	227	16	3.3	0
02/11/2023 02:40	2.2	217	24	3.1	0
02/11/2023 02:50	2.1	230	21	3.4	0
02/11/2023 03:00	2	244	17	2.8	0
02/11/2023 03:10	1.9	219	14	2.5	0
02/11/2023 03:20	1.9	177	21	3.1	0
02/11/2023 03:30	1.8	182	20	2.9	0
02/11/2023 03:40	1.2	159	23	2.4	0
02/11/2023 03:50	1.1	148	24	2	0
02/11/2023 04:00	1.1	206	33	2.4	0
02/11/2023 04:10	2.4	256	16	3.7	0
02/11/2023 04:20	2.4	258	15	3.6	0
02/11/2023 04:30	2.3	273	16	3.6	0
02/11/2023 04:40	2.7	259	21	3.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/11/2023 04:50	1.5	287	42	2.7	0
02/11/2023 05:00	1.5	295	49	2.9	0
02/11/2023 05:10	1.9	264	29	2.9	0
02/11/2023 05:20	1.9	269	28	3	0
02/11/2023 05:30	2.3	264	24	3.8	0
02/11/2023 05:40	2.2	277	32	3.6	0
02/11/2023 05:50	2	281	42	3.4	0
02/11/2023 06:00	2.3	268	31	3.6	0
02/11/2023 06:10	2.3	273	33	3.8	0
02/11/2023 06:20	2.5	276	32	4.7	0
02/11/2023 06:30	2.5	271	32	4.3	0
02/11/2023 06:40	2.7	266	25	4.5	0
02/11/2023 06:50	3.1	261	28	4.6	0
02/11/2023 07:00	2.6	274	31	4.8	0
02/11/2023 07:10	3.3	265	24	5	0
02/11/2023 07:20	3.4	261	25	5	0
02/11/2023 07:30	3.3	265	23	5.2	0
02/11/2023 07:40	3.7	265	22	5.4	0
02/11/2023 07:50	3.1	269	27	5.3	0
02/11/2023 08:00	3.5	266	23	5.8	0
02/11/2023 08:10	3.9	260	19	6	0
02/11/2023 08:20	4.2	259	21	6.8	0
02/11/2023 08:30	3.7	257	18	5.7	0
02/11/2023 08:40	3.5	269	27	5.6	0
02/11/2023 08:50	5	260	23	7.5	0
02/11/2023 09:00	4.6	260	18	7	0
02/11/2023 09:10	5.6	260	20	8.3	0
02/11/2023 09:20	5.6	259	18	8.5	0
02/11/2023 09:30	5.7	258	16	8.5	0
02/11/2023 09:40	5.1	260	19	7.7	0
02/11/2023 09:50	4.9	259	21	8.1	0
02/11/2023 10:00	3.1	260	23	7.6	0
02/11/2023 10:10					0
02/11/2023 10:20	0.8	242	6	8.6	0
02/11/2023 10:30	6	251	19	8.7	0
02/11/2023 10:40	6.8	244	17	9.3	0
02/11/2023 10:50	6.4	253	17	8.6	0
02/11/2023 11:00	6.2	248	17	8.5	0
02/11/2023 11:10	6.3	250	17	8.6	0
02/11/2023 11:20	6.4	247	18	8.7	0
02/11/2023 11:30	6.4	247	14	9.1	0
02/11/2023 11:40	6	244	18	8.3	0
02/11/2023 11:50	5.9	244	21	8.8	0
02/11/2023 12:00	6	250	18	8.5	0
02/11/2023 12:10	6	249	18	7.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/11/2023 12:20	6.1	246	16	8.2	0
02/11/2023 12:30	6.1	248	17	8.7	0
02/11/2023 12:40	6.1	248	17	8.8	0
02/11/2023 12:50	3.7	249	13	8	0
02/11/2023 13:00	0	270	0	0.4	0
02/11/2023 13:10					0
02/11/2023 13:20					0
02/11/2023 13:30	0	243	2	0.6	0
02/11/2023 13:40	0	248	4	0.8	0
02/11/2023 13:50					0
02/11/2023 14:00					0
02/11/2023 14:10					0
02/11/2023 14:20					0
02/11/2023 14:30	0	287	0	0.4	0
02/11/2023 14:40					0
02/11/2023 14:50					0
02/11/2023 15:00					0
02/11/2023 15:10					0
02/11/2023 15:20	0.1	245	5	2.7	0
02/11/2023 15:30	1.4	239	10	6	0
02/11/2023 15:40	0.4	239	5	3.8	0
02/11/2023 15:50	0.2	242	6	3.8	0
02/11/2023 16:00	0	247	0	0.4	0
02/11/2023 16:10	0	245	0	0.4	0
02/11/2023 16:20	0.1	251	4	1.7	0
02/11/2023 16:30	0.1	258	1	2.5	0
02/11/2023 16:40	4	262	30	6	0
02/11/2023 16:50	3.6	277	33	5.9	0
02/11/2023 17:00	4.2	261	25	7	0
02/11/2023 17:10	5.3	249	20	7.9	0
02/11/2023 17:20	5.6	247	16	7.5	0
02/11/2023 17:30	5	249	15	7.5	0
02/11/2023 17:40	4.7	245	16	6.8	0
02/11/2023 17:50	4.8	236	18	6.9	0
02/11/2023 18:00	4.5	251	20	6.7	0
02/11/2023 18:10	4.4	246	20	6.5	0
02/11/2023 18:20	4.6	252	18	7.1	0
02/11/2023 18:30	4.9	256	18	7.5	0
02/11/2023 18:40	4	233	18	6	0
02/11/2023 18:50	2.6	255	17	3.9	0
02/11/2023 19:00	2.9	242	17	4.1	0
02/11/2023 19:10	3.2	259	15	5	0
02/11/2023 19:20	3.4	251	15	5.1	0
02/11/2023 19:30	3.4	246	13	4.7	0
02/11/2023 19:40	3.5	251	17	4.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/11/2023 19:50	3.9	256	15	5.9	0
02/11/2023 20:00	4.2	252	16	6.4	0
02/11/2023 20:10	4.7	257	16	6.6	0
02/11/2023 20:20	4.8	257	17	7.7	0
02/11/2023 20:30	4.8	255	19	6.6	0
02/11/2023 20:40	5.3	254	17	8.3	0
02/11/2023 20:50	5.2	255	15	7.9	0
02/11/2023 21:00	4.8	248	19	8	0
02/11/2023 21:10	5	257	16	7.1	0
02/11/2023 21:20	4.8	253	16	7	0
02/11/2023 21:30	4.1	257	18	7.2	0
02/11/2023 21:40	4.1	256	16	6.1	0
02/11/2023 21:50	4.6	251	18	6.6	0
02/11/2023 22:00	5.4	253	12	8	0
02/11/2023 22:10	5.2	248	17	7.8	0
02/11/2023 22:20	4.2	249	18	6.2	0
02/11/2023 22:30	3.8	255	18	5.3	0
02/11/2023 22:40	3.6	248	16	5.4	0
02/11/2023 22:50	3.8	239	15	5.6	0
02/11/2023 23:00	3.2	248	21	4.8	0
02/11/2023 23:10	3.2	234	17	5.2	0
02/11/2023 23:20	2.7	226	18	3.8	0
02/11/2023 23:30	3.7	238	21	5.5	0
02/11/2023 23:40	3.6	243	14	5.1	0
02/11/2023 23:50	2.8	249	20	4.3	0
02/12/2023 00:00	2.9	242	18	4	0
02/12/2023 00:10	3.2	253	18	4.6	0
02/12/2023 00:20	3.1	242	17	4.5	0
02/12/2023 00:30	3.2	250	17	4.7	0
02/12/2023 00:40	3.5	244	17	4.8	0
02/12/2023 00:50	3.2	255	15	5	0
02/12/2023 01:00	3.2	249	17	4.8	0
02/12/2023 01:10	3.6	250	17	4.9	0
02/12/2023 01:20	3.5	245	18	5.5	0
02/12/2023 01:30	3.1	249	19	4.3	0
02/12/2023 01:40	3.8	250	13	5.5	0
02/12/2023 01:50	3.8	257	17	5.5	0
02/12/2023 02:00	3.8	252	17	5.8	0
02/12/2023 02:10	4	242	18	5.8	0
02/12/2023 02:20	3.9	248	17	5.5	0
02/12/2023 02:30	3.5	240	15	5.3	0
02/12/2023 02:40	3.1	239	16	4.6	0
02/12/2023 02:50	3.3	247	14	5	0
02/12/2023 03:00	3.4	245	17	4.4	0
02/12/2023 03:10	3.3	254	15	4.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/12/2023 03:20	3.3	248	16	4.9	0
02/12/2023 03:30	3.4	246	18	4.7	0
02/12/2023 03:40	3.1	250	19	4.8	0
02/12/2023 03:50	3.2	241	17	4.5	0
02/12/2023 04:00	3.2	242	17	4.8	0
02/12/2023 04:10	2.9	235	17	4.4	0
02/12/2023 04:20	3	241	14	4.3	0
02/12/2023 04:30	3.6	237	18	5.7	0
02/12/2023 04:40	3.3	239	16	5	0
02/12/2023 04:50	3.7	244	16	5.7	0
02/12/2023 05:00	3.8	237	14	5.6	0
02/12/2023 05:10	3.8	240	18	5.6	0
02/12/2023 05:20	3.3	245	17	4.5	0
02/12/2023 05:30	3.8	250	19	5.4	0
02/12/2023 05:40	3.6	248	17	5.6	0
02/12/2023 05:50	3.8	247	17	5.2	0
02/12/2023 06:00	3.6	254	19	5.7	0
02/12/2023 06:10	3	248	18	4.5	0
02/12/2023 06:20	3.5	250	15	5.2	0
02/12/2023 06:30	3.4	258	17	5.2	0
02/12/2023 06:40	3.5	246	16	5	0
02/12/2023 06:50	3.8	234	18	5.6	0
02/12/2023 07:00	4	241	16	6	0
02/12/2023 07:10	4	244	17	5.8	0
02/12/2023 07:20	4	243	14	5.5	0
02/12/2023 07:30	3.9	242	17	5.7	0
02/12/2023 07:40	4.7	237	14	6.5	0
02/12/2023 07:50	4.7	241	19	6.6	0
02/12/2023 08:00	4.5	234	18	6.2	0
02/12/2023 08:10	4.7	242	18	6.6	0
02/12/2023 08:20	4.4	238	19	6.5	0
02/12/2023 08:30	4.9	235	18	7.7	0
02/12/2023 08:40	5	237	18	7.3	0
02/12/2023 08:50	4.7	230	21	7.2	0
02/12/2023 09:00	4.5	223	20	7.2	0
02/12/2023 09:10	4.2	235	20	6.6	0
02/12/2023 09:20	1.2	220	7	6.5	0
02/12/2023 09:30					0
02/12/2023 09:40					0
02/12/2023 09:50					0
02/12/2023 10:00					0
02/12/2023 10:10					0
02/12/2023 10:20					0
02/12/2023 10:30					0
02/12/2023 10:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/12/2023 10:50					0
02/12/2023 11:00					0
02/12/2023 11:10					0
02/12/2023 11:20					0
02/12/2023 11:30					0
02/12/2023 11:40					0
02/12/2023 11:50					0
02/12/2023 12:00					0
02/12/2023 12:10					0
02/12/2023 12:20					0
02/12/2023 12:30					0
02/12/2023 12:40					0
02/12/2023 12:50					0
02/12/2023 13:00					0
02/12/2023 13:10					0
02/12/2023 13:20					0
02/12/2023 13:30					0
02/12/2023 13:40					0
02/12/2023 13:50					0
02/12/2023 14:00					0
02/12/2023 14:10					0
02/12/2023 14:20					0
02/12/2023 14:30					0
02/12/2023 14:40					0
02/12/2023 14:50					0
02/12/2023 15:00					0
02/12/2023 15:10					0
02/12/2023 15:20					0
02/12/2023 15:30					0
02/12/2023 15:40					0
02/12/2023 15:50					0
02/12/2023 16:00					0
02/12/2023 16:10					0
02/12/2023 16:20					0
02/12/2023 16:30					0
02/12/2023 16:40					0
02/12/2023 16:50					0
02/12/2023 17:00					0
02/12/2023 17:10					0
02/12/2023 17:20					0
02/12/2023 17:30					0
02/12/2023 17:40					0
02/12/2023 17:50	0	247	0	0.6	0
02/12/2023 18:00					0
02/12/2023 18:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/12/2023 18:20					0
02/12/2023 18:30					0
02/12/2023 18:40					0
02/12/2023 18:50	1.3	252	10	2.9	0
02/12/2023 19:00	2.6	233	43	4.8	0
02/12/2023 19:10	1.4	128	73	2.4	0
02/12/2023 19:20	2.3	159	38	3.9	0
02/12/2023 19:30	1.1	141	41	2.3	0
02/12/2023 19:40	1.1	69	21	1.8	0
02/12/2023 19:50	1.2	147	30	1.9	0
02/12/2023 20:00	1.9	278	38	3.6	0
02/12/2023 20:10	2.8	260	21	3.8	0
02/12/2023 20:20	2.4	291	30	4.3	0
02/12/2023 20:30	2.5	283	30	4.2	0
02/12/2023 20:40	3.5	258	15	5.6	0
02/12/2023 20:50	4.7	256	16	7.3	0
02/12/2023 21:00	5.1	257	14	7.3	0
02/12/2023 21:10	5.3	259	15	7.5	0
02/12/2023 21:20	4.8	258	14	7.1	0
02/12/2023 21:30	3.7	255	19	5.5	0
02/12/2023 21:40	4	252	15	5.6	0
02/12/2023 21:50	3.8	251	17	5.8	0
02/12/2023 22:00	4.1	253	15	5.4	0
02/12/2023 22:10	3.9	254	15	6	0
02/12/2023 22:20	4.9	250	15	7.1	0
02/12/2023 22:30	4.9	255	15	7.7	0
02/12/2023 22:40	4.7	254	17	7.4	0
02/12/2023 22:50	4.1	257	16	5.8	0
02/12/2023 23:00	4	261	16	5.8	0
02/12/2023 23:10	4.3	257	16	6.2	0
02/12/2023 23:20	4.4	255	16	6.4	0
02/12/2023 23:30	4.8	253	14	6.9	0
02/12/2023 23:40	4.5	257	16	6.4	0
02/12/2023 23:50	5	254	18	7.5	0
13/02/2023 00:00	5.1	254	15	7.2	0
13/02/2023 00:10	4.8	257	16	6.8	0
13/02/2023 00:20	4.3	257	19	6.6	0
13/02/2023 00:30	4.2	263	20	6.2	0
13/02/2023 00:40	3.9	260	16	6.4	0
13/02/2023 00:50	4.4	259	15	6.1	0
13/02/2023 01:00	3.4	263	20	4.9	0
13/02/2023 01:10	3.3	261	17	4.8	0
13/02/2023 01:20	3.9	263	17	6	0
13/02/2023 01:30	3.5	263	17	5.1	0
13/02/2023 01:40	4	260	21	5.5	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/02/2023 01:50	3.7	262	18	5.6	0
13/02/2023 02:00	3.8	260	17	5.6	0
13/02/2023 02:10	4	260	16	5.6	0
13/02/2023 02:20	4.3	260	18	6.8	0
13/02/2023 02:30	4.1	259	16	5.6	0
13/02/2023 02:40	4.2	258	17	6.4	0
13/02/2023 02:50	3.8	253	19	5.7	0
13/02/2023 03:00	4.7	251	15	6.6	0
13/02/2023 03:10	4.6	254	15	7	0
13/02/2023 03:20	4.8	256	16	7.1	0
13/02/2023 03:30	5.2	257	14	7.2	0
13/02/2023 03:40	4.8	254	16	7.2	0
13/02/2023 03:50	5.1	253	16	7.6	0
13/02/2023 04:00	4.6	257	14	6.8	0
13/02/2023 04:10	4.2	252	18	6.4	0
13/02/2023 04:20	4.4	257	17	6.2	0
13/02/2023 04:30	4.1	253	18	6.1	0
13/02/2023 04:40	3.2	249	17	5.1	0
13/02/2023 04:50	2.8	252	18	4.5	0
13/02/2023 05:00	2.7	250	22	3.8	0
13/02/2023 05:10	1.8	239	16	2.9	0
13/02/2023 05:20	1.8	240	18	3	0
13/02/2023 05:30	1.5	212	23	2.3	0
13/02/2023 05:40	1.1	164	28	2.3	0
13/02/2023 05:50	0.8	117	33	1.4	0
13/02/2023 06:00	0.3	112	25	0.8	0
13/02/2023 06:10	0.6	108	43	1.4	0
13/02/2023 06:20	0.6	125	69	1	0
13/02/2023 06:30	0.6	125	35	1.2	0
13/02/2023 06:40	0.4	208	36	0.8	0
13/02/2023 06:50	0.9	175	29	1.6	0
13/02/2023 07:00	1.1	338	26	1.6	0
13/02/2023 07:10	1.1	307	38	1.9	0
13/02/2023 07:20	1.2	171	54	2.3	0
13/02/2023 07:30	1.2	6	40	2	0
13/02/2023 07:40	0.9	175	60	1.9	0
13/02/2023 07:50	0.8	180	33	1.6	0
13/02/2023 08:00	1	53	40	1.6	0
13/02/2023 08:10	1.4	16	33	2.4	0
13/02/2023 08:20	2	18	26	3.2	0
13/02/2023 08:30	2.1	11	29	3.2	0
13/02/2023 08:40	2	18	31	4	0
13/02/2023 08:50	1.2	329	37	2.1	0
13/02/2023 09:00	1.2	50	72	2.2	0
13/02/2023 09:10	0.9	23	22	2.8	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/02/2023 09:20	0.6	7	20	2.7	0
13/02/2023 09:30					0
13/02/2023 09:40					0
13/02/2023 09:50					0
13/02/2023 10:00					0
13/02/2023 10:10					0
13/02/2023 10:20					0
13/02/2023 10:30					0
13/02/2023 10:40					0
13/02/2023 10:50					0
13/02/2023 11:00					0
13/02/2023 11:10					0
13/02/2023 11:20					0
13/02/2023 11:30					0
13/02/2023 11:40					0
13/02/2023 11:50	0	283	0	0.4	0
13/02/2023 12:00					0
13/02/2023 12:10					0
13/02/2023 12:20					0
13/02/2023 12:30					0
13/02/2023 12:40					0
13/02/2023 12:50					0
13/02/2023 13:00					0
13/02/2023 13:10					0
13/02/2023 13:20					0
13/02/2023 13:30					0
13/02/2023 13:40					0
13/02/2023 13:50					0
13/02/2023 14:00					0
13/02/2023 14:10					0
13/02/2023 14:20					0
13/02/2023 14:30					0
13/02/2023 14:40					0
13/02/2023 14:50					0
13/02/2023 15:00					0
13/02/2023 15:10					0
13/02/2023 15:20					0
13/02/2023 15:30					0
13/02/2023 15:40					0
13/02/2023 15:50					0
13/02/2023 16:00					0
13/02/2023 16:10					0
13/02/2023 16:20					0
13/02/2023 16:30					0
13/02/2023 16:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/02/2023 16:50					0
13/02/2023 17:00					0
13/02/2023 17:10					0
13/02/2023 17:20					0
13/02/2023 17:30					0
13/02/2023 17:40					0
13/02/2023 17:50					0
13/02/2023 18:00					0
13/02/2023 18:10					0
13/02/2023 18:20					0
13/02/2023 18:30					0
13/02/2023 18:40					0
13/02/2023 18:50					0
13/02/2023 19:00					0
13/02/2023 19:10					0
13/02/2023 19:20					0
13/02/2023 19:30					0
13/02/2023 19:40					0
13/02/2023 19:50					0
13/02/2023 20:00					0
13/02/2023 20:10					0
13/02/2023 20:20					0
13/02/2023 20:30					0
13/02/2023 20:40					0
13/02/2023 20:50	0	225	0	0.4	0
13/02/2023 21:00	0.1	241	2	2.3	0
13/02/2023 21:10					0
13/02/2023 21:20					0
13/02/2023 21:30					0
13/02/2023 21:40					0
13/02/2023 21:50					0
13/02/2023 22:00					0
13/02/2023 22:10					0
13/02/2023 22:20					0
13/02/2023 22:30					0
13/02/2023 22:40					0
13/02/2023 22:50					0
13/02/2023 23:00					0
13/02/2023 23:10					0
13/02/2023 23:20					0
13/02/2023 23:30					0
13/02/2023 23:40					0
13/02/2023 23:50					0
14/02/2023 00:00					0
14/02/2023 00:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/02/2023 00:20					0
14/02/2023 00:30					0
14/02/2023 00:40					0
14/02/2023 00:50					0
14/02/2023 01:00					0
14/02/2023 01:10					0
14/02/2023 01:20					0
14/02/2023 01:30					0
14/02/2023 01:40					0
14/02/2023 01:50					0
14/02/2023 02:00					0
14/02/2023 02:10					0
14/02/2023 02:20					0
14/02/2023 02:30					0
14/02/2023 02:40					0
14/02/2023 02:50					0
14/02/2023 03:00					0
14/02/2023 03:10					0
14/02/2023 03:20					0
14/02/2023 03:30					0
14/02/2023 03:40					0
14/02/2023 03:50					0
14/02/2023 04:00					0
14/02/2023 04:10					0
14/02/2023 04:20					0
14/02/2023 04:30					0
14/02/2023 04:40					0
14/02/2023 04:50					0
14/02/2023 05:00					0
14/02/2023 05:10					0
14/02/2023 05:20					0
14/02/2023 05:30					0
14/02/2023 05:40					0
14/02/2023 05:50					0
14/02/2023 06:00					0
14/02/2023 06:10					0
14/02/2023 06:20					0
14/02/2023 06:30					0
14/02/2023 06:40					0
14/02/2023 06:50					0
14/02/2023 07:00					0
14/02/2023 07:10					0
14/02/2023 07:20					0
14/02/2023 07:30					0
14/02/2023 07:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/02/2023 07:50					0
14/02/2023 08:00					0
14/02/2023 08:10					0
14/02/2023 08:20					0
14/02/2023 08:30					0
14/02/2023 08:40					0
14/02/2023 08:50					0
14/02/2023 09:00					0
14/02/2023 09:10					0
14/02/2023 09:20					0
14/02/2023 09:30					0
14/02/2023 09:40	0.9	54	12	5.1	0
14/02/2023 09:50					0
14/02/2023 10:00					0
14/02/2023 10:10					0
14/02/2023 10:20					0
14/02/2023 10:30					0
14/02/2023 10:40					0
14/02/2023 10:50					0
14/02/2023 11:00					0
14/02/2023 11:10					0
14/02/2023 11:20					0
14/02/2023 11:30					0
14/02/2023 11:40					0
14/02/2023 11:50					0
14/02/2023 12:00					0
14/02/2023 12:10					0
14/02/2023 12:20					0
14/02/2023 12:30					0
14/02/2023 12:40					0
14/02/2023 12:50					0
14/02/2023 13:00					0
14/02/2023 13:10					0
14/02/2023 13:20					0
14/02/2023 13:30					0
14/02/2023 13:40					0
14/02/2023 13:50					0
14/02/2023 14:00					0
14/02/2023 14:10					0
14/02/2023 14:20					0
14/02/2023 14:30					0
14/02/2023 14:40					0
14/02/2023 14:50					0
14/02/2023 15:00					0
14/02/2023 15:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/02/2023 15:20					0
14/02/2023 15:30					0
14/02/2023 15:40					0
14/02/2023 15:50					0
14/02/2023 16:00					0
14/02/2023 16:10					0
14/02/2023 16:20					0
14/02/2023 16:30					0
14/02/2023 16:40					0
14/02/2023 16:50					0
14/02/2023 17:00					0
14/02/2023 17:10					0
14/02/2023 17:20					0
14/02/2023 17:30					0
14/02/2023 17:40					0
14/02/2023 17:50					0
14/02/2023 18:00					0
14/02/2023 18:10					0
14/02/2023 18:20					0
14/02/2023 18:30					0
14/02/2023 18:40					0
14/02/2023 18:50					0
14/02/2023 19:00					0
14/02/2023 19:10					0
14/02/2023 19:20					0
14/02/2023 19:30					0
14/02/2023 19:40					0
14/02/2023 19:50					0
14/02/2023 20:00					0
14/02/2023 20:10					0
14/02/2023 20:20					0
14/02/2023 20:30					0
14/02/2023 20:40					0
14/02/2023 20:50					0
14/02/2023 21:00					0
14/02/2023 21:10					0
14/02/2023 21:20					0
14/02/2023 21:30					0
14/02/2023 21:40					0
14/02/2023 21:50					0
14/02/2023 22:00					0
14/02/2023 22:10					0
14/02/2023 22:20					0
14/02/2023 22:30					0
14/02/2023 22:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/02/2023 22:50					0
14/02/2023 23:00					0
14/02/2023 23:10					0
14/02/2023 23:20					0
14/02/2023 23:30					0
14/02/2023 23:40					0
14/02/2023 23:50					0
15/02/2023 00:00					0
15/02/2023 00:10					0
15/02/2023 00:20					0
15/02/2023 00:30					0
15/02/2023 00:40					0
15/02/2023 00:50					0
15/02/2023 01:00					0
15/02/2023 01:10					0
15/02/2023 01:20					0
15/02/2023 01:30					0
15/02/2023 01:40					0
15/02/2023 01:50					0
15/02/2023 02:00					0
15/02/2023 02:10					0
15/02/2023 02:20					0
15/02/2023 02:30					0
15/02/2023 02:40					0
15/02/2023 02:50					0
15/02/2023 03:00					0
15/02/2023 03:10					0
15/02/2023 03:20					0
15/02/2023 03:30					0
15/02/2023 03:40					0
15/02/2023 03:50					0
15/02/2023 04:00					0
15/02/2023 04:10					0
15/02/2023 04:20					0
15/02/2023 04:30					0
15/02/2023 04:40					0
15/02/2023 04:50					0
15/02/2023 05:00					0
15/02/2023 05:10					0
15/02/2023 05:20					0
15/02/2023 05:30					0
15/02/2023 05:40					0
15/02/2023 05:50					0
15/02/2023 06:00					0
15/02/2023 06:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/02/2023 06:20					0
15/02/2023 06:30					0
15/02/2023 06:40					0
15/02/2023 06:50					0
15/02/2023 07:00					0
15/02/2023 07:10					0
15/02/2023 07:20					0
15/02/2023 07:30					0
15/02/2023 07:40					0
15/02/2023 07:50					0
15/02/2023 08:00					0
15/02/2023 08:10					0
15/02/2023 08:20					0
15/02/2023 08:30					0
15/02/2023 08:40					0
15/02/2023 08:50					0
15/02/2023 09:00					0
15/02/2023 09:10					0
15/02/2023 09:20					0
15/02/2023 09:30					0
15/02/2023 09:40					0
15/02/2023 09:50					0
15/02/2023 10:00					0
15/02/2023 10:10					0
15/02/2023 10:20					0
15/02/2023 10:30					0
15/02/2023 10:40					0
15/02/2023 10:50					0
15/02/2023 11:00					0
15/02/2023 11:10					0
15/02/2023 11:20					0
15/02/2023 11:30					0
15/02/2023 11:40					0
15/02/2023 11:50					0
15/02/2023 12:00					0
15/02/2023 12:10					0
15/02/2023 12:20					0
15/02/2023 12:30					0
15/02/2023 12:40					0
15/02/2023 12:50					0
15/02/2023 13:00					0
15/02/2023 13:10					0
15/02/2023 13:20					0
15/02/2023 13:30					0
15/02/2023 13:40					0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/02/2023 13:50					0
15/02/2023 14:00					0
15/02/2023 14:10					0
15/02/2023 14:20					0
15/02/2023 14:30					0
15/02/2023 14:40					0
15/02/2023 14:50					0
15/02/2023 15:00					0
15/02/2023 15:10					0
15/02/2023 15:20					0
15/02/2023 15:30					0
15/02/2023 15:40					0
15/02/2023 15:50					0
15/02/2023 16:00					0
15/02/2023 16:10					0
15/02/2023 16:20					0
15/02/2023 16:30					0
15/02/2023 16:40					0
15/02/2023 16:50					0
15/02/2023 17:00					0
15/02/2023 17:10					0
15/02/2023 17:20					0
15/02/2023 17:30					0
15/02/2023 17:40					0
15/02/2023 17:50					0
15/02/2023 18:00					0
15/02/2023 18:10					0
15/02/2023 18:20					0
15/02/2023 18:30					0
15/02/2023 18:40					0
15/02/2023 18:50					0
15/02/2023 19:00					0
15/02/2023 19:10					0
15/02/2023 19:20					0
15/02/2023 19:30					0
15/02/2023 19:40					0
15/02/2023 19:50					0
15/02/2023 20:00					0
15/02/2023 20:10					0
15/02/2023 20:20					0
15/02/2023 20:30					0
15/02/2023 20:40					0
15/02/2023 20:50					0
15/02/2023 21:00					0
15/02/2023 21:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/02/2023 21:20					0
15/02/2023 21:30					0
15/02/2023 21:40					0
15/02/2023 21:50					0
15/02/2023 22:00					0
15/02/2023 22:10					0
15/02/2023 22:20					0
15/02/2023 22:30					0
15/02/2023 22:40					0
15/02/2023 22:50					0
15/02/2023 23:00					0
15/02/2023 23:10					0
15/02/2023 23:20					0
15/02/2023 23:30					0
15/02/2023 23:40					0
15/02/2023 23:50					0
16/02/2023 00:00					0
16/02/2023 00:10					0
16/02/2023 00:20					0
16/02/2023 00:30					0
16/02/2023 00:40					0
16/02/2023 00:50					0
16/02/2023 01:00					0
16/02/2023 01:10					0
16/02/2023 01:20					0
16/02/2023 01:30					0
16/02/2023 01:40					0
16/02/2023 01:50					0
16/02/2023 02:00					0
16/02/2023 02:10					0
16/02/2023 02:20					0
16/02/2023 02:30					0
16/02/2023 02:40					0
16/02/2023 02:50					0
16/02/2023 03:00					0
16/02/2023 03:10					0
16/02/2023 03:20					0
16/02/2023 03:30					0
16/02/2023 03:40					0
16/02/2023 03:50					0
16/02/2023 04:00					0
16/02/2023 04:10					0
16/02/2023 04:20					0
16/02/2023 04:30					0
16/02/2023 04:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/02/2023 04:50					0
16/02/2023 05:00					0
16/02/2023 05:10					0
16/02/2023 05:20					0
16/02/2023 05:30					0
16/02/2023 05:40					0
16/02/2023 05:50					0
16/02/2023 06:00					0
16/02/2023 06:10					0
16/02/2023 06:20					0
16/02/2023 06:30					0
16/02/2023 06:40					0
16/02/2023 06:50					0
16/02/2023 07:00					0
16/02/2023 07:10					0
16/02/2023 07:20					0
16/02/2023 07:30					0
16/02/2023 07:40					0
16/02/2023 07:50					0
16/02/2023 08:00					0
16/02/2023 08:10					0
16/02/2023 08:20					0
16/02/2023 08:30					0
16/02/2023 08:40					0
16/02/2023 08:50					0
16/02/2023 09:00					0
16/02/2023 09:10					0
16/02/2023 09:20					0
16/02/2023 09:30					0
16/02/2023 09:40					0
16/02/2023 09:50					0
16/02/2023 10:00					0
16/02/2023 10:10					0
16/02/2023 10:20					0
16/02/2023 10:30					0
16/02/2023 10:40	0	93	3	1.7	0
16/02/2023 10:50					0
16/02/2023 11:00					0
16/02/2023 11:10					0
16/02/2023 11:20					0
16/02/2023 11:30					0
16/02/2023 11:40					0
16/02/2023 11:50					0
16/02/2023 12:00					0
16/02/2023 12:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/02/2023 12:20					0
16/02/2023 12:30					0
16/02/2023 12:40					0
16/02/2023 12:50					0
16/02/2023 13:00					0
16/02/2023 13:10					0
16/02/2023 13:20					0
16/02/2023 13:30					0
16/02/2023 13:40					0
16/02/2023 13:50					0
16/02/2023 14:00					0
16/02/2023 14:10					0
16/02/2023 14:20					0
16/02/2023 14:30					0
16/02/2023 14:40					0
16/02/2023 14:50					0
16/02/2023 15:00					0
16/02/2023 15:10					0
16/02/2023 15:20					0
16/02/2023 15:30					0
16/02/2023 15:40					0
16/02/2023 15:50					0
16/02/2023 16:00					0
16/02/2023 16:10					0
16/02/2023 16:20					0
16/02/2023 16:30					0
16/02/2023 16:40					0
16/02/2023 16:50					0
16/02/2023 17:00					0
16/02/2023 17:10					0
16/02/2023 17:20					0
16/02/2023 17:30					0
16/02/2023 17:40					0
16/02/2023 17:50					0
16/02/2023 18:00					0
16/02/2023 18:10					0
16/02/2023 18:20					0
16/02/2023 18:30					0
16/02/2023 18:40					0
16/02/2023 18:50					0
16/02/2023 19:00					0
16/02/2023 19:10					0
16/02/2023 19:20					0
16/02/2023 19:30					0
16/02/2023 19:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/02/2023 19:50					0
16/02/2023 20:00					0
16/02/2023 20:10					0
16/02/2023 20:20					0
16/02/2023 20:30					0
16/02/2023 20:40					0
16/02/2023 20:50					0
16/02/2023 21:00					0
16/02/2023 21:10					0
16/02/2023 21:20					0
16/02/2023 21:30					0
16/02/2023 21:40					0
16/02/2023 21:50					0
16/02/2023 22:00					0
16/02/2023 22:10					0
16/02/2023 22:20					0
16/02/2023 22:30					0
16/02/2023 22:40					0
16/02/2023 22:50					0
16/02/2023 23:00					0
16/02/2023 23:10					0
16/02/2023 23:20					0
16/02/2023 23:30					0
16/02/2023 23:40					0
16/02/2023 23:50					0
17/02/2023 00:00					0
17/02/2023 00:10					0
17/02/2023 00:20					0
17/02/2023 00:30					0
17/02/2023 00:40					0
17/02/2023 00:50					0
17/02/2023 01:00					0
17/02/2023 01:10					0
17/02/2023 01:20					0
17/02/2023 01:30					0
17/02/2023 01:40					0
17/02/2023 01:50					0
17/02/2023 02:00					0
17/02/2023 02:10					0
17/02/2023 02:20					0
17/02/2023 02:30					0
17/02/2023 02:40					0
17/02/2023 02:50					0
17/02/2023 03:00					0
17/02/2023 03:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/02/2023 03:20					0
17/02/2023 03:30					0
17/02/2023 03:40					0
17/02/2023 03:50					0
17/02/2023 04:00					0
17/02/2023 04:10					0
17/02/2023 04:20					0
17/02/2023 04:30					0
17/02/2023 04:40					0
17/02/2023 04:50					0
17/02/2023 05:00					0
17/02/2023 05:10					0
17/02/2023 05:20					0
17/02/2023 05:30					0
17/02/2023 05:40					0
17/02/2023 05:50					0
17/02/2023 06:00					0
17/02/2023 06:10					0
17/02/2023 06:20					0
17/02/2023 06:30					0
17/02/2023 06:40					0
17/02/2023 06:50					0
17/02/2023 07:00					0
17/02/2023 07:10					0
17/02/2023 07:20					0
17/02/2023 07:30					0
17/02/2023 07:40					0
17/02/2023 07:50					0
17/02/2023 08:00					0
17/02/2023 08:10					0
17/02/2023 08:20					0
17/02/2023 08:30					0
17/02/2023 08:40					0
17/02/2023 08:50					0
17/02/2023 09:00					0
17/02/2023 09:10					0
17/02/2023 09:20					0
17/02/2023 09:30					0
17/02/2023 09:40					0
17/02/2023 09:50					0
17/02/2023 10:00					0
17/02/2023 10:10					0
17/02/2023 10:20					0
17/02/2023 10:30					0
17/02/2023 10:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/02/2023 10:50					0
17/02/2023 11:00					0
17/02/2023 11:10					0
17/02/2023 11:20					0
17/02/2023 11:30					0
17/02/2023 11:40					0
17/02/2023 11:50					0
17/02/2023 12:00					0
17/02/2023 12:10					0
17/02/2023 12:20					0
17/02/2023 12:30					0
17/02/2023 12:40					0
17/02/2023 12:50					0
17/02/2023 13:00					0
17/02/2023 13:10					0
17/02/2023 13:20					0
17/02/2023 13:30					0
17/02/2023 13:40					0
17/02/2023 13:50					0
17/02/2023 14:00					0
17/02/2023 14:10					0
17/02/2023 14:20					0
17/02/2023 14:30					0
17/02/2023 14:40					0
17/02/2023 14:50					0
17/02/2023 15:00					0
17/02/2023 15:10					0
17/02/2023 15:20					0
17/02/2023 15:30					0
17/02/2023 15:40					0
17/02/2023 15:50					0
17/02/2023 16:00					0
17/02/2023 16:10					0
17/02/2023 16:20					0
17/02/2023 16:30					0
17/02/2023 16:40					0
17/02/2023 16:50					0
17/02/2023 17:00					0
17/02/2023 17:10					0
17/02/2023 17:20					0
17/02/2023 17:30					0
17/02/2023 17:40					0
17/02/2023 17:50					0
17/02/2023 18:00					0
17/02/2023 18:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/02/2023 18:20					0
17/02/2023 18:30					0
17/02/2023 18:40					0
17/02/2023 18:50					0
17/02/2023 19:00					0
17/02/2023 19:10					0
17/02/2023 19:20					0
17/02/2023 19:30					0
17/02/2023 19:40					0
17/02/2023 19:50					0
17/02/2023 20:00					0
17/02/2023 20:10					0
17/02/2023 20:20					0
17/02/2023 20:30					0
17/02/2023 20:40					0
17/02/2023 20:50					0
17/02/2023 21:00					0
17/02/2023 21:10					0
17/02/2023 21:20					0
17/02/2023 21:30					0
17/02/2023 21:40					0
17/02/2023 21:50					0
17/02/2023 22:00					0
17/02/2023 22:10					0
17/02/2023 22:20					0
17/02/2023 22:30					0
17/02/2023 22:40					0
17/02/2023 22:50					0
17/02/2023 23:00					0
17/02/2023 23:10					0
17/02/2023 23:20					0
17/02/2023 23:30					0
17/02/2023 23:40					0
17/02/2023 23:50					0
18/02/2023 00:00					0
18/02/2023 00:10					0
18/02/2023 00:20					0
18/02/2023 00:30					0
18/02/2023 00:40					0
18/02/2023 00:50					0
18/02/2023 01:00					0
18/02/2023 01:10					0
18/02/2023 01:20					0
18/02/2023 01:30					0
18/02/2023 01:40					0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/02/2023 01:50	0.3	265	9	1.8	0
18/02/2023 02:00	0.4	275	14	2	0
18/02/2023 02:10					0
18/02/2023 02:20					0
18/02/2023 02:30					0
18/02/2023 02:40					0
18/02/2023 02:50					0
18/02/2023 03:00					0
18/02/2023 03:10					0
18/02/2023 03:20					0
18/02/2023 03:30					0
18/02/2023 03:40					0
18/02/2023 03:50					0
18/02/2023 04:00					0
18/02/2023 04:10					0
18/02/2023 04:20	0	255	1	0.4	0
18/02/2023 04:30	0	252	0	0.4	0
18/02/2023 04:40					0
18/02/2023 04:50					0
18/02/2023 05:00					0
18/02/2023 05:10					0
18/02/2023 05:20					0
18/02/2023 05:30					0
18/02/2023 05:40					0
18/02/2023 05:50					0
18/02/2023 06:00					0
18/02/2023 06:10					0
18/02/2023 06:20					0
18/02/2023 06:30					0
18/02/2023 06:40					0
18/02/2023 06:50	0.1	246	5	1.2	0
18/02/2023 07:00					0
18/02/2023 07:10					0
18/02/2023 07:20					0
18/02/2023 07:30					0
18/02/2023 07:40					0
18/02/2023 07:50					0
18/02/2023 08:00					0
18/02/2023 08:10					0
18/02/2023 08:20					0
18/02/2023 08:30					0
18/02/2023 08:40					0
18/02/2023 08:50					0
18/02/2023 09:00					0
18/02/2023 09:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/02/2023 09:20					0
18/02/2023 09:30					0
18/02/2023 09:40					0
18/02/2023 09:50					0
18/02/2023 10:00					0
18/02/2023 10:10					0
18/02/2023 10:20					0
18/02/2023 10:30					0
18/02/2023 10:40					0
18/02/2023 10:50					0
18/02/2023 11:00					0
18/02/2023 11:10					0
18/02/2023 11:20					0
18/02/2023 11:30					0
18/02/2023 11:40					0
18/02/2023 11:50					0
18/02/2023 12:00					0
18/02/2023 12:10					0
18/02/2023 12:20					0
18/02/2023 12:30					0
18/02/2023 12:40					0
18/02/2023 12:50					0
18/02/2023 13:00					0
18/02/2023 13:10					0
18/02/2023 13:20					0
18/02/2023 13:30					0
18/02/2023 13:40					0
18/02/2023 13:50					0
18/02/2023 14:00					0
18/02/2023 14:10					0
18/02/2023 14:20					0
18/02/2023 14:30					0
18/02/2023 14:40					0
18/02/2023 14:50					0
18/02/2023 15:00					0
18/02/2023 15:10					0
18/02/2023 15:20					0
18/02/2023 15:30					0
18/02/2023 15:40					0
18/02/2023 15:50					0
18/02/2023 16:00					0
18/02/2023 16:10					0
18/02/2023 16:20					0
18/02/2023 16:30					0
18/02/2023 16:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/02/2023 16:50					0
18/02/2023 17:00					0
18/02/2023 17:10					0
18/02/2023 17:20					0
18/02/2023 17:30					0
18/02/2023 17:40					0
18/02/2023 17:50					0
18/02/2023 18:00					0
18/02/2023 18:10					0
18/02/2023 18:20					0
18/02/2023 18:30					0
18/02/2023 18:40	0	325	0	0.4	0
18/02/2023 18:50	0.1	319	18	0.8	0
18/02/2023 19:00	0.2	303	23	1.2	0
18/02/2023 19:10					0
18/02/2023 19:20					0
18/02/2023 19:30					0
18/02/2023 19:40					0
18/02/2023 19:50					0
18/02/2023 20:00					0
18/02/2023 20:10					0
18/02/2023 20:20					0
18/02/2023 20:30					0
18/02/2023 20:40					0
18/02/2023 20:50					0
18/02/2023 21:00					0
18/02/2023 21:10					0
18/02/2023 21:20					0
18/02/2023 21:30					0
18/02/2023 21:40					0
18/02/2023 21:50					0
18/02/2023 22:00					0
18/02/2023 22:10					0
18/02/2023 22:20					0
18/02/2023 22:30					0
18/02/2023 22:40	0	327	4	0.4	0
18/02/2023 22:50					0
18/02/2023 23:00					0
18/02/2023 23:10					0
18/02/2023 23:20					0
18/02/2023 23:30					0
18/02/2023 23:40					0
18/02/2023 23:50					0
19/02/2023 00:00					0
19/02/2023 00:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/02/2023 00:20					0
19/02/2023 00:30					0
19/02/2023 00:40					0
19/02/2023 00:50					0
19/02/2023 01:00					0
19/02/2023 01:10					0
19/02/2023 01:20					0
19/02/2023 01:30	0.1	258	4	0.6	0
19/02/2023 01:40					0
19/02/2023 01:50					0
19/02/2023 02:00					0
19/02/2023 02:10					0
19/02/2023 02:20					0
19/02/2023 02:30					0
19/02/2023 02:40					0
19/02/2023 02:50					0
19/02/2023 03:00					0
19/02/2023 03:10					0
19/02/2023 03:20					0
19/02/2023 03:30					0
19/02/2023 03:40					0
19/02/2023 03:50					0
19/02/2023 04:00					0
19/02/2023 04:10					0
19/02/2023 04:20					0
19/02/2023 04:30					0
19/02/2023 04:40					0
19/02/2023 04:50					0
19/02/2023 05:00					0
19/02/2023 05:10					0
19/02/2023 05:20					0
19/02/2023 05:30	0.1	348	3	0.8	0
19/02/2023 05:40	0.1	344	6	0.8	0
19/02/2023 05:50	0.3	325	12	1.6	0
19/02/2023 06:00					0
19/02/2023 06:10					0
19/02/2023 06:20					0
19/02/2023 06:30					0
19/02/2023 06:40					0
19/02/2023 06:50					0
19/02/2023 07:00					0
19/02/2023 07:10					0
19/02/2023 07:20					0
19/02/2023 07:30					0
19/02/2023 07:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/02/2023 07:50					0
19/02/2023 08:00					0
19/02/2023 08:10					0
19/02/2023 08:20					0
19/02/2023 08:30					0
19/02/2023 08:40					0
19/02/2023 08:50					0
19/02/2023 09:00					0
19/02/2023 09:10					0
19/02/2023 09:20					0
19/02/2023 09:30					0
19/02/2023 09:40					0
19/02/2023 09:50					0
19/02/2023 10:00					0
19/02/2023 10:10					0
19/02/2023 10:20					0
19/02/2023 10:30					0
19/02/2023 10:40					0
19/02/2023 10:50					0
19/02/2023 11:00					0
19/02/2023 11:10					0
19/02/2023 11:20					0
19/02/2023 11:30					0
19/02/2023 11:40					0
19/02/2023 11:50					0
19/02/2023 12:00					0
19/02/2023 12:10					0
19/02/2023 12:20					0
19/02/2023 12:30					0
19/02/2023 12:40					0
19/02/2023 12:50					0
19/02/2023 13:00					0
19/02/2023 13:10					0
19/02/2023 13:20					0
19/02/2023 13:30					0
19/02/2023 13:40					0
19/02/2023 13:50					0
19/02/2023 14:00					0
19/02/2023 14:10					0
19/02/2023 14:20					0
19/02/2023 14:30					0
19/02/2023 14:40					0
19/02/2023 14:50					0
19/02/2023 15:00					0
19/02/2023 15:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/02/2023 15:20					0
19/02/2023 15:30					0
19/02/2023 15:40					0
19/02/2023 15:50					0
19/02/2023 16:00					0
19/02/2023 16:10					0
19/02/2023 16:20					0
19/02/2023 16:30					0
19/02/2023 16:40					0
19/02/2023 16:50					0
19/02/2023 17:00					0
19/02/2023 17:10					0
19/02/2023 17:20					0
19/02/2023 17:30					0
19/02/2023 17:40					0
19/02/2023 17:50					0
19/02/2023 18:00					0
19/02/2023 18:10					0
19/02/2023 18:20					0
19/02/2023 18:30					0
19/02/2023 18:40					0
19/02/2023 18:50	0	336	12	0.6	0
19/02/2023 19:00	0.1	263	5	0.6	0
19/02/2023 19:10					0
19/02/2023 19:20					0
19/02/2023 19:30					0
19/02/2023 19:40	0	269	4	0.4	0
19/02/2023 19:50	0	223	0	0.5	0
19/02/2023 20:00	0	256	3	0.6	0
19/02/2023 20:10	0	250	1	0.6	0
19/02/2023 20:20					0
19/02/2023 20:30					0
19/02/2023 20:40					0
19/02/2023 20:50					0
19/02/2023 21:00					0
19/02/2023 21:10					0
19/02/2023 21:20					0
19/02/2023 21:30					0
19/02/2023 21:40					0
19/02/2023 21:50					0
19/02/2023 22:00					0
19/02/2023 22:10					0
19/02/2023 22:20					0
19/02/2023 22:30					0
19/02/2023 22:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/02/2023 22:50					0
19/02/2023 23:00					0
19/02/2023 23:10					0
19/02/2023 23:20					0
19/02/2023 23:30					0
19/02/2023 23:40					0
19/02/2023 23:50					0
20/02/2023 00:00					0
20/02/2023 00:10					0
20/02/2023 00:20					0
20/02/2023 00:30					0
20/02/2023 00:40					0
20/02/2023 00:50					0
20/02/2023 01:00					0
20/02/2023 01:10					0
20/02/2023 01:20					0
20/02/2023 01:30					0
20/02/2023 01:40					0
20/02/2023 01:50					0
20/02/2023 02:00					0
20/02/2023 02:10					0
20/02/2023 02:20					0
20/02/2023 02:30					0
20/02/2023 02:40					0
20/02/2023 02:50	0	262	0	0.4	0
20/02/2023 03:00					0
20/02/2023 03:10					0
20/02/2023 03:20					0
20/02/2023 03:30					0
20/02/2023 03:40					0
20/02/2023 03:50					0
20/02/2023 04:00					0
20/02/2023 04:10					0
20/02/2023 04:20					0
20/02/2023 04:30					0
20/02/2023 04:40					0
20/02/2023 04:50					0
20/02/2023 05:00					0
20/02/2023 05:10					0
20/02/2023 05:20					0
20/02/2023 05:30					0
20/02/2023 05:40					0
20/02/2023 05:50					0
20/02/2023 06:00					0
20/02/2023 06:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/02/2023 06:20					0
20/02/2023 06:30					0
20/02/2023 06:40					0
20/02/2023 06:50					0
20/02/2023 07:00					0
20/02/2023 07:10					0
20/02/2023 07:20					0
20/02/2023 07:30					0
20/02/2023 07:40					0
20/02/2023 07:50					0
20/02/2023 08:00					0
20/02/2023 08:10					0
20/02/2023 08:20					0
20/02/2023 08:30					0
20/02/2023 08:40					0
20/02/2023 08:50					0
20/02/2023 09:00					0
20/02/2023 09:10					0
20/02/2023 09:20					0
20/02/2023 09:30					0
20/02/2023 09:40					0
20/02/2023 09:50					0
20/02/2023 10:00					0
20/02/2023 10:10					0
20/02/2023 10:20					0
20/02/2023 10:30					0
20/02/2023 10:40					0
20/02/2023 10:50					0
20/02/2023 11:00					0
20/02/2023 11:10					0
20/02/2023 11:20					0
20/02/2023 11:30					0
20/02/2023 11:40					0
20/02/2023 11:50					0
20/02/2023 12:00					0
20/02/2023 12:10					0
20/02/2023 12:20					0
20/02/2023 12:30					0
20/02/2023 12:40					0
20/02/2023 12:50					0
20/02/2023 13:00					0
20/02/2023 13:10					0
20/02/2023 13:20					0
20/02/2023 13:30					0
20/02/2023 13:40					0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/02/2023 13:50					0
20/02/2023 14:00					0
20/02/2023 14:10					0
20/02/2023 14:20					0
20/02/2023 14:30					0
20/02/2023 14:40					0
20/02/2023 14:50					0
20/02/2023 15:00					0
20/02/2023 15:10					0
20/02/2023 15:20					0
20/02/2023 15:30					0
20/02/2023 15:40					0
20/02/2023 15:50					0
20/02/2023 16:00					0
20/02/2023 16:10					0
20/02/2023 16:20					0
20/02/2023 16:30					0
20/02/2023 16:40					0
20/02/2023 16:50					0
20/02/2023 17:00					0
20/02/2023 17:10					0
20/02/2023 17:20					0
20/02/2023 17:30					0
20/02/2023 17:40					0
20/02/2023 17:50					0
20/02/2023 18:00					0
20/02/2023 18:10					0
20/02/2023 18:20					0
20/02/2023 18:30					0
20/02/2023 18:40					0
20/02/2023 18:50					0
20/02/2023 19:00					0
20/02/2023 19:10					0
20/02/2023 19:20					0
20/02/2023 19:30					0
20/02/2023 19:40					0
20/02/2023 19:50					0
20/02/2023 20:00					0
20/02/2023 20:10					0
20/02/2023 20:20					0
20/02/2023 20:30					0
20/02/2023 20:40					0
20/02/2023 20:50					0
20/02/2023 21:00					0
20/02/2023 21:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/02/2023 21:20					0
20/02/2023 21:30					0
20/02/2023 21:40					0
20/02/2023 21:50					0
20/02/2023 22:00					0
20/02/2023 22:10					0
20/02/2023 22:20					0
20/02/2023 22:30					0
20/02/2023 22:40					0
20/02/2023 22:50					0
20/02/2023 23:00					0
20/02/2023 23:10					0
20/02/2023 23:20					0
20/02/2023 23:30					0
20/02/2023 23:40					0
20/02/2023 23:50					0
21/02/2023 00:00					0
21/02/2023 00:10					0
21/02/2023 00:20					0
21/02/2023 00:30	0	70	1	0.4	0
21/02/2023 00:40					0
21/02/2023 00:50					0
21/02/2023 01:00					0
21/02/2023 01:10					0
21/02/2023 01:20					0
21/02/2023 01:30					0
21/02/2023 01:40					0
21/02/2023 01:50					0
21/02/2023 02:00					0
21/02/2023 02:10					0
21/02/2023 02:20					0
21/02/2023 02:30					0
21/02/2023 02:40					0
21/02/2023 02:50					0
21/02/2023 03:00					0
21/02/2023 03:10					0
21/02/2023 03:20					0
21/02/2023 03:30					0
21/02/2023 03:40					0
21/02/2023 03:50					0
21/02/2023 04:00					0
21/02/2023 04:10					0
21/02/2023 04:20					0
21/02/2023 04:30					0
21/02/2023 04:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/02/2023 04:50					0
21/02/2023 05:00	0	67	0	0.4	0.1
21/02/2023 05:10					0
21/02/2023 05:20					0
21/02/2023 05:30					0
21/02/2023 05:40					0
21/02/2023 05:50					0
21/02/2023 06:00	0	60	0	0.4	0
21/02/2023 06:10					0
21/02/2023 06:20					0
21/02/2023 06:30					0
21/02/2023 06:40					0
21/02/2023 06:50					0
21/02/2023 07:00					0
21/02/2023 07:10					0
21/02/2023 07:20					0
21/02/2023 07:30					0
21/02/2023 07:40					0
21/02/2023 07:50					0
21/02/2023 08:00					0
21/02/2023 08:10					0
21/02/2023 08:20					0
21/02/2023 08:30					0
21/02/2023 08:40					0
21/02/2023 08:50					0
21/02/2023 09:00					0
21/02/2023 09:10					0
21/02/2023 09:20					0
21/02/2023 09:30					0
21/02/2023 09:40					0
21/02/2023 09:50					0
21/02/2023 10:00					0
21/02/2023 10:10					0
21/02/2023 10:20					0
21/02/2023 10:30					0
21/02/2023 10:40					0
21/02/2023 10:50					0
21/02/2023 11:00					0
21/02/2023 11:10					0
21/02/2023 11:20					0
21/02/2023 11:30					0
21/02/2023 11:40					0
21/02/2023 11:50					0
21/02/2023 12:00					0
21/02/2023 12:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/02/2023 12:20					0
21/02/2023 12:30					0
21/02/2023 12:40					0
21/02/2023 12:50					0
21/02/2023 13:00					0
21/02/2023 13:10					0
21/02/2023 13:20					0
21/02/2023 13:30					0
21/02/2023 13:40					0
21/02/2023 13:50					0
21/02/2023 14:00					0
21/02/2023 14:10					0
21/02/2023 14:20					0
21/02/2023 14:30					0
21/02/2023 14:40					0
21/02/2023 14:50					0
21/02/2023 15:00					0
21/02/2023 15:10					0
21/02/2023 15:20					0
21/02/2023 15:30					0
21/02/2023 15:40					0
21/02/2023 15:50					0
21/02/2023 16:00					0
21/02/2023 16:10					0
21/02/2023 16:20					0
21/02/2023 16:30					0
21/02/2023 16:40					0
21/02/2023 16:50					0
21/02/2023 17:00					0
21/02/2023 17:10					0
21/02/2023 17:20					0
21/02/2023 17:30					0
21/02/2023 17:40					0
21/02/2023 17:50					0
21/02/2023 18:00					0
21/02/2023 18:10	0	355	0	0.4	0
21/02/2023 18:20					0
21/02/2023 18:30	0	24	0	0.6	0
21/02/2023 18:40	0	189	3	0.4	0
21/02/2023 18:50	0	22	0	0.5	0
21/02/2023 19:00	0	169	1	0.4	0
21/02/2023 19:10					0
21/02/2023 19:20					0
21/02/2023 19:30					0
21/02/2023 19:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/02/2023 19:50					0
21/02/2023 20:00					0
21/02/2023 20:10					0
21/02/2023 20:20					0
21/02/2023 20:30					0
21/02/2023 20:40					0
21/02/2023 20:50					0
21/02/2023 21:00					0
21/02/2023 21:10					0
21/02/2023 21:20					0
21/02/2023 21:30					0
21/02/2023 21:40					0
21/02/2023 21:50					0
21/02/2023 22:00					0
21/02/2023 22:10					0
21/02/2023 22:20					0
21/02/2023 22:30					0
21/02/2023 22:40					0
21/02/2023 22:50	3.1	96	20	6.7	0
21/02/2023 23:00	3.3	97	28	6	0
21/02/2023 23:10	3.5	113	27	6.6	1.6
21/02/2023 23:20	3.2	114	29	5.5	0.4
21/02/2023 23:30	2.7	108	25	4.6	0.2
21/02/2023 23:40	2.3	134	30	3.6	0.3
21/02/2023 23:50	1.2	210	30	2.1	0.1
22/02/2023 00:00	1.9	320	23	3.2	0
22/02/2023 00:10	1.5	352	28	2.4	0
22/02/2023 00:20	1	60	24	1.6	0
22/02/2023 00:30	0.5	69	34	1.1	0.1
22/02/2023 00:40	1.1	187	23	1.8	0
22/02/2023 00:50	1.1	164	46	1.6	0
22/02/2023 01:00	1.6	41	19	2.8	0
22/02/2023 01:10	1	91	25	1.7	0.1
22/02/2023 01:20	0.2	109	14	0.8	0.2
22/02/2023 01:30	0.4	115	18	0.8	0.4
22/02/2023 01:40	0.8	190	20	1.5	0.1
22/02/2023 01:50	2.1	212	12	2.8	0.1
22/02/2023 02:00	2.2	219	17	3.2	0
22/02/2023 02:10	2.1	242	17	2.9	0
22/02/2023 02:20	1.9	240	20	2.6	0
22/02/2023 02:30	1.7	262	14	2.6	0.1
22/02/2023 02:40	1.1	269	14	1.6	0
22/02/2023 02:50	1.3	287	23	2	0
22/02/2023 03:00	0.6	227	24	1.2	0
22/02/2023 03:10	1	47	15	1.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/02/2023 03:20	0.9	43	21	1.6	0
22/02/2023 03:30	0.8	75	20	1.6	0
22/02/2023 03:40	1.2	59	21	1.8	0
22/02/2023 03:50	0.5	112	18	1.4	0
22/02/2023 04:00	0.8	133	26	1.4	0
22/02/2023 04:10	0.3	126	15	0.8	0
22/02/2023 04:20	0.6	102	20	1	0
22/02/2023 04:30	0.1	107	14	0.6	0
22/02/2023 04:40	0.4	175	22	1.1	0
22/02/2023 04:50	0.9	148	23	1.4	0
22/02/2023 05:00	1	146	27	1.7	0
22/02/2023 05:10	0.6	157	22	1.4	0
22/02/2023 05:20	0.8	153	26	1.6	0
22/02/2023 05:30	0.8	146	23	1.6	0
22/02/2023 05:40	0.6	161	14	1.3	0
22/02/2023 05:50	0.1	162	9	0.8	0
22/02/2023 06:00	0.7	180	20	1.3	0
22/02/2023 06:10	0.6	170	19	1.2	0
22/02/2023 06:20	0.5	158	17	1.2	0
22/02/2023 06:30	0.4	168	17	0.9	0
22/02/2023 06:40	0.6	149	20	1.1	0
22/02/2023 06:50	0.5	145	25	1	0
22/02/2023 07:00	0.5	139	21	1.3	0
22/02/2023 07:10	1.3	135	26	2.2	0
22/02/2023 07:20	1.5	130	28	2.4	0
22/02/2023 07:30	1.7	127	23	3	0
22/02/2023 07:40	1.6	127	26	2.6	0
22/02/2023 07:50	1.4	128	28	2.6	0
22/02/2023 08:00	1.7	137	26	2.8	0
22/02/2023 08:10	1.4	142	24	2.4	0
22/02/2023 08:20	1.6	126	26	3.1	0
22/02/2023 08:30	1.8	127	27	2.8	0
22/02/2023 08:40	1.7	111	26	2.9	0
22/02/2023 08:50	1.9	123	23	3.2	0
22/02/2023 09:00	1.8	110	23	2.9	0
22/02/2023 09:10	2	107	27	3.3	0
22/02/2023 09:20	2.1	110	25	3.6	0
22/02/2023 09:30	1.9	106	27	3.2	0
22/02/2023 09:40	2	100	26	3.3	0
22/02/2023 09:50	2.3	87	24	3.8	0
22/02/2023 10:00	2.4	91	24	4.3	0
22/02/2023 10:10	2.4	85	27	4.6	0
22/02/2023 10:20	3	101	24	5.2	0
22/02/2023 10:30	3.3	88	25	5.1	0
22/02/2023 10:40	3.3	81	24	5.6	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/02/2023 10:50	3.1	87	22	5.6	0
22/02/2023 11:00	3.1	73	21	5.5	0
22/02/2023 11:10	3	75	23	5	0
22/02/2023 11:20	3	81	26	5.2	0
22/02/2023 11:30	3.1	82	24	5.3	0
22/02/2023 11:40	3.5	77	22	5.2	0
22/02/2023 11:50	3.3	87	21	5.5	0
22/02/2023 12:00	3	87	32	5.2	0
22/02/2023 12:10	3.2	70	23	5.7	0
22/02/2023 12:20	3.3	65	22	5.4	0
22/02/2023 12:30	3.6	57	21	6.4	0
22/02/2023 12:40	3.4	66	26	5.1	0
22/02/2023 12:50	3	63	27	5.1	0
22/02/2023 13:00	2.9	69	22	4.7	0
22/02/2023 13:10	2	61	15	5.3	0
22/02/2023 13:20					0
22/02/2023 13:30					0
22/02/2023 13:40					0
22/02/2023 13:50					0
22/02/2023 14:00					0
22/02/2023 14:10					0
22/02/2023 14:20					0
22/02/2023 14:30					0
22/02/2023 14:40					0
22/02/2023 14:50					0
22/02/2023 15:00					0
22/02/2023 15:10					0
22/02/2023 15:20					0
22/02/2023 15:30					0
22/02/2023 15:40					0
22/02/2023 15:50					0
22/02/2023 16:00					0
22/02/2023 16:10					0
22/02/2023 16:20					0
22/02/2023 16:30					0
22/02/2023 16:40					0
22/02/2023 16:50					0
22/02/2023 17:00					0
22/02/2023 17:10					0
22/02/2023 17:20					0
22/02/2023 17:30					0
22/02/2023 17:40					0
22/02/2023 17:50					0
22/02/2023 18:00					0
22/02/2023 18:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/02/2023 18:20					0
22/02/2023 18:30					0
22/02/2023 18:40					0
22/02/2023 18:50					0
22/02/2023 19:00					0
22/02/2023 19:10					0
22/02/2023 19:20					0
22/02/2023 19:30					0
22/02/2023 19:40					0
22/02/2023 19:50					0
22/02/2023 20:00					0
22/02/2023 20:10					0
22/02/2023 20:20					0
22/02/2023 20:30					0
22/02/2023 20:40					0
22/02/2023 20:50					0
22/02/2023 21:00					0
22/02/2023 21:10					0
22/02/2023 21:20					0
22/02/2023 21:30					0
22/02/2023 21:40					0
22/02/2023 21:50					0
22/02/2023 22:00					0
22/02/2023 22:10					0
22/02/2023 22:20					0
22/02/2023 22:30					0
22/02/2023 22:40					0
22/02/2023 22:50					0
22/02/2023 23:00					0
22/02/2023 23:10					0
22/02/2023 23:20					0
22/02/2023 23:30					0
22/02/2023 23:40					0
22/02/2023 23:50					0
23/02/2023 00:00					0
23/02/2023 00:10					0
23/02/2023 00:20					0
23/02/2023 00:30					0
23/02/2023 00:40					0
23/02/2023 00:50	2.3	123	28	5.5	1.3
23/02/2023 01:00	2.6	147	36	5	4.1
23/02/2023 01:10	2.4	150	28	5	2.8
23/02/2023 01:20	2.5	164	30	5.3	0.7
23/02/2023 01:30	2.6	155	38	5.1	0.7
23/02/2023 01:40	2.2	185	31	3.9	1.5





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/02/2023 01:50	1.9	189	28	2.9	0.3
23/02/2023 02:00	1	250	30	2	0.1
23/02/2023 02:10	1	317	16	1.7	0
23/02/2023 02:20	1.3	335	9	1.7	0
23/02/2023 02:30	0.7	349	17	1.1	0
23/02/2023 02:40	0.4	67	59	0.8	0
23/02/2023 02:50	0.5	183	27	0.9	0
23/02/2023 03:00	1.7	159	25	3.6	0
23/02/2023 03:10	2.9	144	29	5	0
23/02/2023 03:20	2.3	121	35	4.3	0
23/02/2023 03:30	2.8	135	29	5	0
23/02/2023 03:40	1.9	159	30	4.1	0
23/02/2023 03:50	1.8	178	20	3.2	0
23/02/2023 04:00	1.8	161	25	2.8	0
23/02/2023 04:10	1.4	160	27	2.4	0
23/02/2023 04:20	1.9	162	21	3.3	0
23/02/2023 04:30	1.5	136	26	2.5	0
23/02/2023 04:40	1.5	147	29	2.4	0
23/02/2023 04:50	1.7	150	25	3.1	0
23/02/2023 05:00	1.4	148	27	2	0
23/02/2023 05:10	1	151	26	1.9	0
23/02/2023 05:20	1.4	135	33	2.4	0
23/02/2023 05:30	1.2	138	28	2.1	0
23/02/2023 05:40	1.1	178	23	2	0
23/02/2023 05:50	1.9	169	25	3.5	0
23/02/2023 06:00	2.4	169	24	4.1	0
23/02/2023 06:10	1.8	149	29	3.2	0
23/02/2023 06:20	2.5	156	23	4.3	0
23/02/2023 06:30	2.1	160	26	3.7	0
23/02/2023 06:40	2.4	180	26	3.7	0
23/02/2023 06:50	1.8	165	31	3.3	0
23/02/2023 07:00	1.9	174	22	3.2	0
23/02/2023 07:10	1.9	183	24	3.5	0
23/02/2023 07:20	2	177	25	3.3	0
23/02/2023 07:30	1.8	163	25	3.4	0
23/02/2023 07:40	1.8	156	21	2.8	0
23/02/2023 07:50	1.6	163	26	2.7	0
23/02/2023 08:00	2	164	22	3.2	0
23/02/2023 08:10	1.8	165	24	2.9	0
23/02/2023 08:20	1.6	157	23	2.6	0
23/02/2023 08:30	2	154	21	3.2	0
23/02/2023 08:40	2.4	167	22	3.6	0
23/02/2023 08:50	2.1	159	24	3.6	0
23/02/2023 09:00	2	160	24	3.2	0
23/02/2023 09:10	1.9	157	25	3.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/02/2023 09:20	1.9	150	30	2.8	0
23/02/2023 09:30	1.6	155	32	3	0
23/02/2023 09:40	1.6	162	23	2.5	0
23/02/2023 09:50	1.7	151	27	3	0
23/02/2023 10:00	1.8	137	27	2.9	0
23/02/2023 10:10	2.1	137	23	3.4	0
23/02/2023 10:20	2	134	30	3.6	0
23/02/2023 10:30	2.1	137	26	3	0
23/02/2023 10:40	2.1	130	29	3.5	0
23/02/2023 10:50	1.8	123	31	2.9	0
23/02/2023 11:00	2.1	134	26	3.2	0
23/02/2023 11:10	1.8	118	29	3.1	0
23/02/2023 11:20	1.9	98	27	2.9	0
23/02/2023 11:30	2.3	81	21	4	0
23/02/2023 11:40	2.6	60	20	4.3	0
23/02/2023 11:50	2.5	62	19	4.3	0
23/02/2023 12:00	2.5	57	21	4.1	0
23/02/2023 12:10	2.7	65	22	4.4	0
23/02/2023 12:20	2.8	67	22	4.2	0
23/02/2023 12:30	3	61	24	5	0
23/02/2023 12:40	3.2	68	22	5.4	0
23/02/2023 12:50	3.4	54	22	5.9	0
23/02/2023 13:00	3.5	60	19	5.2	0
23/02/2023 13:10	3.3	68	19	4.8	0
23/02/2023 13:20	2.9	71	21	5.1	0
23/02/2023 13:30	3.2	58	25	4.8	0
23/02/2023 13:40	3.2	56	23	5.4	0
23/02/2023 13:50	3.4	54	21	5.2	0
23/02/2023 14:00	3.1	57	24	4.8	0
23/02/2023 14:10	2.9	56	20	4.8	0
23/02/2023 14:20	2.9	63	20	4.7	0
23/02/2023 14:30	3	62	24	5.2	0
23/02/2023 14:40	3.2	59	25	5.3	0
23/02/2023 14:50	3.3	73	22	4.9	0
23/02/2023 15:00	3.4	59	21	5.5	0
23/02/2023 15:10	3.2	61	23	5.1	0
23/02/2023 15:20	0.2	63	6	4.6	0
23/02/2023 15:30					0
23/02/2023 15:40					0
23/02/2023 15:50					0
23/02/2023 16:00	0.1	39	4	2.7	0
23/02/2023 16:10	0.4	44	5	4.6	0
23/02/2023 16:20					0
23/02/2023 16:30	0	48	0	1.7	0
23/02/2023 16:40					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/02/2023 16:50	0.1	17	11	2	0
23/02/2023 17:00					0
23/02/2023 17:10					0
23/02/2023 17:20					0
23/02/2023 17:30					0
23/02/2023 17:40					0
23/02/2023 17:50					0
23/02/2023 18:00					0
23/02/2023 18:10					0
23/02/2023 18:20					0
23/02/2023 18:30					0
23/02/2023 18:40					0
23/02/2023 18:50					0
23/02/2023 19:00					0
23/02/2023 19:10					0
23/02/2023 19:20					0
23/02/2023 19:30					0
23/02/2023 19:40	0	58	0	0.4	0
23/02/2023 19:50	0	35	1	0.4	0
23/02/2023 20:00	0	45	5	0.7	0
23/02/2023 20:10	0.8	27	16	2.4	0
23/02/2023 20:20	1.6	33	30	2.5	0
23/02/2023 20:30	1.6	27	30	2.8	0
23/02/2023 20:40	1.7	34	27	2.9	0
23/02/2023 20:50	1.4	39	24	2.4	0
23/02/2023 21:00	1.3	43	26	2	0
23/02/2023 21:10	1.2	25	22	2	0
23/02/2023 21:20	1	39	28	1.8	0
23/02/2023 21:30	1.1	18	35	2	0
23/02/2023 21:40	1.2	40	29	1.8	0
23/02/2023 21:50	1.2	38	23	1.9	0
23/02/2023 22:00	0.6	34	36	1.1	0
23/02/2023 22:10	0.9	32	27	1.6	0
23/02/2023 22:20	0.9	38	23	1.5	0
23/02/2023 22:30	0.6	63	14	1.1	0
23/02/2023 22:40	0.1	152	3	0.6	0
23/02/2023 22:50	0.1	196	4	0.5	0
23/02/2023 23:00	0.2	73	12	0.5	0
23/02/2023 23:10	0	77	1	0.4	0
23/02/2023 23:20	0	64	4	0.4	0
23/02/2023 23:30					0
23/02/2023 23:40	0	35	2	0.4	0
23/02/2023 23:50	0.6	30	13	0.8	0
24/02/2023 00:00	0.6	23	12	0.9	0
24/02/2023 00:10	0.7	48	10	1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/02/2023 00:20	0.4	55	9	0.7	0
24/02/2023 00:30	0	45	0	0.4	0
24/02/2023 00:40	0.3	59	11	0.8	0
24/02/2023 00:50	0	48	0	0.4	0
24/02/2023 01:00					0
24/02/2023 01:10					0
24/02/2023 01:20					0
24/02/2023 01:30					0
24/02/2023 01:40					0
24/02/2023 01:50	1.1	181	15	2.1	0
24/02/2023 02:00	1.4	165	26	2.5	0
24/02/2023 02:10	1.2	165	23	2	0
24/02/2023 02:20	1.1	157	20	2	0
24/02/2023 02:30	0.9	149	23	1.6	0
24/02/2023 02:40	0.9	155	20	1.6	0
24/02/2023 02:50	1.3	164	23	2.5	0
24/02/2023 03:00	1.5	159	31	2.7	0
24/02/2023 03:10	1.6	166	22	3	0
24/02/2023 03:20	1.3	167	20	2.4	0
24/02/2023 03:30	1.2	154	23	2	0
24/02/2023 03:40	0.9	156	21	1.6	0
24/02/2023 03:50	1.3	163	23	2.1	0
24/02/2023 04:00	1.3	168	25	2	0
24/02/2023 04:10	1.3	161	23	2.3	0
24/02/2023 04:20	0.8	129	23	1.6	0
24/02/2023 04:30	1.5	142	27	2.6	0
24/02/2023 04:40	1.7	144	29	2.8	0
24/02/2023 04:50	1.6	156	31	3.3	0
24/02/2023 05:00	1.4	142	24	2.4	0
24/02/2023 05:10	2	146	27	3.2	0
24/02/2023 05:20	1.7	144	30	3.4	0
24/02/2023 05:30	1.9	144	28	3.1	0
24/02/2023 05:40	1.9	139	23	3.1	0
24/02/2023 05:50	1.7	137	25	2.8	0
24/02/2023 06:00	1.9	128	29	3.6	0
24/02/2023 06:10	2.6	128	28	4.2	0
24/02/2023 06:20	3	121	28	5.1	0
24/02/2023 06:30	2.8	111	32	4.7	0
24/02/2023 06:40	2.6	118	32	4.5	0
24/02/2023 06:50	2.6	111	34	4.7	0
24/02/2023 07:00	3.2	117	32	5.4	0
24/02/2023 07:10	3.1	106	31	6.1	0
24/02/2023 07:20	3.1	101	29	5.2	0
24/02/2023 07:30	3	94	24	4.9	0
24/02/2023 07:40	2.7	91	20	5.9	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/02/2023 07:50					0
24/02/2023 08:00					0
24/02/2023 08:10					0
24/02/2023 08:20					0
24/02/2023 08:30					0
24/02/2023 08:40					0
24/02/2023 08:50					0
24/02/2023 09:00					0
24/02/2023 09:10					0
24/02/2023 09:20					0
24/02/2023 09:30					0
24/02/2023 09:40					0
24/02/2023 09:50					0
24/02/2023 10:00					0
24/02/2023 10:10					0
24/02/2023 10:20					0
24/02/2023 10:30					0
24/02/2023 10:40					0
24/02/2023 10:50					0
24/02/2023 11:00					0
24/02/2023 11:10					0
24/02/2023 11:20					0
24/02/2023 11:30					0
24/02/2023 11:40					0
24/02/2023 11:50					0
24/02/2023 12:00					0
24/02/2023 12:10					0
24/02/2023 12:20					0
24/02/2023 12:30					0
24/02/2023 12:40					0
24/02/2023 12:50					0
24/02/2023 13:00					0
24/02/2023 13:10					0
24/02/2023 13:20					0
24/02/2023 13:30					0
24/02/2023 13:40					0
24/02/2023 13:50					0
24/02/2023 14:00					0
24/02/2023 14:10					0
24/02/2023 14:20					0
24/02/2023 14:30					0
24/02/2023 14:40					0
24/02/2023 14:50					0
24/02/2023 15:00					0
24/02/2023 15:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/02/2023 15:20					0
24/02/2023 15:30					0
24/02/2023 15:40					0
24/02/2023 15:50					0
24/02/2023 16:00					0
24/02/2023 16:10					0
24/02/2023 16:20					0
24/02/2023 16:30					0
24/02/2023 16:40					0
24/02/2023 16:50					0
24/02/2023 17:00					0
24/02/2023 17:10					0
24/02/2023 17:20					0
24/02/2023 17:30					0
24/02/2023 17:40					0
24/02/2023 17:50					0
24/02/2023 18:00					0
24/02/2023 18:10					0
24/02/2023 18:20					0
24/02/2023 18:30					0
24/02/2023 18:40					0
24/02/2023 18:50					0
24/02/2023 19:00					0
24/02/2023 19:10					0
24/02/2023 19:20					0
24/02/2023 19:30					0
24/02/2023 19:40					0
24/02/2023 19:50					0
24/02/2023 20:00					0
24/02/2023 20:10					0
24/02/2023 20:20					0
24/02/2023 20:30					0
24/02/2023 20:40					0
24/02/2023 20:50					0
24/02/2023 21:00					0
24/02/2023 21:10					0
24/02/2023 21:20					0
24/02/2023 21:30					0
24/02/2023 21:40					0
24/02/2023 21:50					0
24/02/2023 22:00					0
24/02/2023 22:10					0
24/02/2023 22:20					0
24/02/2023 22:30					0.4
24/02/2023 22:40					0.6



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/02/2023 22:50					0.2
24/02/2023 23:00	0	210	0	1.1	0.1
24/02/2023 23:10					0
24/02/2023 23:20					0.1
24/02/2023 23:30					0
24/02/2023 23:40					0
24/02/2023 23:50					0
25/02/2023 00:00					0
25/02/2023 00:10					0.1
25/02/2023 00:20					0
25/02/2023 00:30					0.1
25/02/2023 00:40					0
25/02/2023 00:50					0.1
25/02/2023 01:00					0.3
25/02/2023 01:10					0.7
25/02/2023 01:20					0.1
25/02/2023 01:30					0
25/02/2023 01:40					0
25/02/2023 01:50					0
25/02/2023 02:00					0
25/02/2023 02:10					0
25/02/2023 02:20					0
25/02/2023 02:30					0
25/02/2023 02:40					0
25/02/2023 02:50					0.1
25/02/2023 03:00					1.6
25/02/2023 03:10					1
25/02/2023 03:20					0.3
25/02/2023 03:30					0.5
25/02/2023 03:40					0.1
25/02/2023 03:50					0.1
25/02/2023 04:00					0.1
25/02/2023 04:10					0.2
25/02/2023 04:20					0.3
25/02/2023 04:30					0.4
25/02/2023 04:40					0.4
25/02/2023 04:50					0.3
25/02/2023 05:00					0.5
25/02/2023 05:10					0.3
25/02/2023 05:20					0.2
25/02/2023 05:30					0.2
25/02/2023 05:40					0.1
25/02/2023 05:50					0
25/02/2023 06:00					0
25/02/2023 06:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/02/2023 06:20					0
25/02/2023 06:30					0
25/02/2023 06:40					0
25/02/2023 06:50					0
25/02/2023 07:00					0
25/02/2023 07:10					0
25/02/2023 07:20					0
25/02/2023 07:30					0
25/02/2023 07:40					0
25/02/2023 07:50					0
25/02/2023 08:00					0
25/02/2023 08:10					0
25/02/2023 08:20					0
25/02/2023 08:30					0
25/02/2023 08:40					0
25/02/2023 08:50	0	150	4	0.6	0
25/02/2023 09:00	0.1	136	6	1.6	0
25/02/2023 09:10	0	165	3	0.6	0
25/02/2023 09:20	0	143	3	0.4	0
25/02/2023 09:30	0	124	7	0.8	0
25/02/2023 09:40					0
25/02/2023 09:50					0
25/02/2023 10:00					0
25/02/2023 10:10					0
25/02/2023 10:20					0
25/02/2023 10:30					0
25/02/2023 10:40					0
25/02/2023 10:50					0
25/02/2023 11:00					0
25/02/2023 11:10					0
25/02/2023 11:20					0
25/02/2023 11:30					0
25/02/2023 11:40					0
25/02/2023 11:50					0
25/02/2023 12:00					0
25/02/2023 12:10					0
25/02/2023 12:20					0
25/02/2023 12:30					0
25/02/2023 12:40					0
25/02/2023 12:50					0
25/02/2023 13:00					0
25/02/2023 13:10					0
25/02/2023 13:20					0
25/02/2023 13:30					0
25/02/2023 13:40					0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/02/2023 13:50					0
25/02/2023 14:00					0
25/02/2023 14:10					0
25/02/2023 14:20					0
25/02/2023 14:30					0
25/02/2023 14:40					0
25/02/2023 14:50					0
25/02/2023 15:00					0
25/02/2023 15:10					0
25/02/2023 15:20					0
25/02/2023 15:30					0
25/02/2023 15:40					0
25/02/2023 15:50					0
25/02/2023 16:00					0
25/02/2023 16:10					0
25/02/2023 16:20					0
25/02/2023 16:30					0
25/02/2023 16:40					0
25/02/2023 16:50					0
25/02/2023 17:00					0
25/02/2023 17:10					0
25/02/2023 17:20					0
25/02/2023 17:30	1	63	10	3	0
25/02/2023 17:40					0
25/02/2023 17:50	0	103	1	0.6	0
25/02/2023 18:00	0	69	2	0.5	0
25/02/2023 18:10					0
25/02/2023 18:20	0	54	0	0.4	0
25/02/2023 18:30	0	43	1	0.4	0
25/02/2023 18:40	0	344	4	0.6	0
25/02/2023 18:50					0
25/02/2023 19:00	0.2	166	21	1.8	0
25/02/2023 19:10	0	176	0	0.5	0
25/02/2023 19:20	0.1	329	12	1.5	0
25/02/2023 19:30	0	158	8	0.7	0
25/02/2023 19:40	0	340	4	0.6	0
25/02/2023 19:50	0	345	12	0.4	0
25/02/2023 20:00	0.2	339	13	1.2	0
25/02/2023 20:10	0.4	339	17	1.6	0
25/02/2023 20:20	0	330	0	0.6	0
25/02/2023 20:30	0	322	1	0.4	0
25/02/2023 20:40					0
25/02/2023 20:50	0.1	301	15	0.8	0
25/02/2023 21:00	0	291	1	0.4	0
25/02/2023 21:10					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/02/2023 21:20	0	242	3	0.6	0
25/02/2023 21:30					0
25/02/2023 21:40	0.3	137	17	1.1	0
25/02/2023 21:50	0.2	147	15	1.1	0
25/02/2023 22:00	0	172	4	0.8	0
25/02/2023 22:10	0.2	155	17	1.2	0
25/02/2023 22:20					0
25/02/2023 22:30					0
25/02/2023 22:40					0
25/02/2023 22:50					0
25/02/2023 23:00					0
25/02/2023 23:10	0	198	2	0.8	0
25/02/2023 23:20	0	196	2	0.6	0
25/02/2023 23:30					0
25/02/2023 23:40					0
25/02/2023 23:50					0
26/02/2023 00:00					0
26/02/2023 00:10					0
26/02/2023 00:20					0
26/02/2023 00:30					0
26/02/2023 00:40					0
26/02/2023 00:50	0	245	3	0.6	0
26/02/2023 01:00					0
26/02/2023 01:10					0
26/02/2023 01:20					0
26/02/2023 01:30					0
26/02/2023 01:40					0
26/02/2023 01:50					0
26/02/2023 02:00					0
26/02/2023 02:10					0
26/02/2023 02:20	0	256	11	0.4	0
26/02/2023 02:30	0	249	1	0.4	0
26/02/2023 02:40					0
26/02/2023 02:50	0	173	1	0.4	0
26/02/2023 03:00					0
26/02/2023 03:10					0
26/02/2023 03:20					0
26/02/2023 03:30					0
26/02/2023 03:40					0
26/02/2023 03:50					0
26/02/2023 04:00	0	212	0	0.4	0
26/02/2023 04:10	0.1	191	6	1.2	0
26/02/2023 04:20					0
26/02/2023 04:30	0	175	7	0.8	0
26/02/2023 04:40	0.1	185	5	0.8	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/02/2023 04:50					0
26/02/2023 05:00					0
26/02/2023 05:10					0
26/02/2023 05:20					0
26/02/2023 05:30					0
26/02/2023 05:40	0	152	0	0.4	0
26/02/2023 05:50	0	303	0	0.4	0
26/02/2023 06:00	0	140	5	0.6	0
26/02/2023 06:10					0
26/02/2023 06:20					0
26/02/2023 06:30					0
26/02/2023 06:40					0
26/02/2023 06:50					0
26/02/2023 07:00					0
26/02/2023 07:10					0
26/02/2023 07:20					0
26/02/2023 07:30	0	174	0	0.4	0
26/02/2023 07:40	0	183	0	0.6	0
26/02/2023 07:50	0	210	0	0.4	0
26/02/2023 08:00	0	132	0	0.6	0
26/02/2023 08:10					0
26/02/2023 08:20					0
26/02/2023 08:30					0
26/02/2023 08:40					0
26/02/2023 08:50					0
26/02/2023 09:00					0
26/02/2023 09:10					0
26/02/2023 09:20					0
26/02/2023 09:30					0
26/02/2023 09:40					0
26/02/2023 09:50					0
26/02/2023 10:00					0
26/02/2023 10:10					0
26/02/2023 10:20					0
26/02/2023 10:30					0
26/02/2023 10:40					0
26/02/2023 10:50					0
26/02/2023 11:00					0
26/02/2023 11:10					0
26/02/2023 11:20					0
26/02/2023 11:30					0
26/02/2023 11:40					0
26/02/2023 11:50					0
26/02/2023 12:00					0
26/02/2023 12:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/02/2023 12:20					0
26/02/2023 12:30					0
26/02/2023 12:40					0
26/02/2023 12:50					0
26/02/2023 13:00					0
26/02/2023 13:10					0
26/02/2023 13:20					0
26/02/2023 13:30					0
26/02/2023 13:40					0
26/02/2023 13:50					0
26/02/2023 14:00					0
26/02/2023 14:10					0
26/02/2023 14:20					0
26/02/2023 14:30	0	31	0	0.6	0
26/02/2023 14:40					0
26/02/2023 14:50					0
26/02/2023 15:00					0
26/02/2023 15:10					0
26/02/2023 15:20					0
26/02/2023 15:30					0
26/02/2023 15:40					0
26/02/2023 15:50					0
26/02/2023 16:00					0
26/02/2023 16:10					0
26/02/2023 16:20					0
26/02/2023 16:30					0
26/02/2023 16:40					0
26/02/2023 16:50					0
26/02/2023 17:00					0
26/02/2023 17:10					0
26/02/2023 17:20					0
26/02/2023 17:30					0
26/02/2023 17:40					0
26/02/2023 17:50					0
26/02/2023 18:00					0
26/02/2023 18:10					0
26/02/2023 18:20					0
26/02/2023 18:30					0
26/02/2023 18:40					0
26/02/2023 18:50					0
26/02/2023 19:00					0
26/02/2023 19:10					0
26/02/2023 19:20					0
26/02/2023 19:30					0
26/02/2023 19:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/02/2023 19:50					0
26/02/2023 20:00					0
26/02/2023 20:10					0
26/02/2023 20:20					0
26/02/2023 20:30					0
26/02/2023 20:40					0
26/02/2023 20:50					0
26/02/2023 21:00					0
26/02/2023 21:10					0
26/02/2023 21:20					0
26/02/2023 21:30					0
26/02/2023 21:40					0
26/02/2023 21:50					0
26/02/2023 22:00					0
26/02/2023 22:10					0
26/02/2023 22:20					0
26/02/2023 22:30					0
26/02/2023 22:40					0
26/02/2023 22:50					0
26/02/2023 23:00					0
26/02/2023 23:10					0
26/02/2023 23:20					0
26/02/2023 23:30					0
26/02/2023 23:40					0
26/02/2023 23:50					0
27/02/2023 00:00					0
27/02/2023 00:10					0
27/02/2023 00:20					0
27/02/2023 00:30					0
27/02/2023 00:40					0
27/02/2023 00:50					0
27/02/2023 01:00					0
27/02/2023 01:10					0
27/02/2023 01:20					0
27/02/2023 01:30					0
27/02/2023 01:40					0
27/02/2023 01:50					0
27/02/2023 02:00					0
27/02/2023 02:10					0
27/02/2023 02:20					0
27/02/2023 02:30					0
27/02/2023 02:40					0
27/02/2023 02:50					0
27/02/2023 03:00					0
27/02/2023 03:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/02/2023 03:20					0
27/02/2023 03:30					0
27/02/2023 03:40					0
27/02/2023 03:50					0
27/02/2023 04:00					0
27/02/2023 04:10					0
27/02/2023 04:20					0
27/02/2023 04:30					0
27/02/2023 04:40					0
27/02/2023 04:50					0
27/02/2023 05:00					0
27/02/2023 05:10					0
27/02/2023 05:20	0	263	0	0.4	0
27/02/2023 05:30					0
27/02/2023 05:40					0
27/02/2023 05:50	0	248	1	0.4	0
27/02/2023 06:00	0	249	0	0.4	0
27/02/2023 06:10					0
27/02/2023 06:20					0
27/02/2023 06:30					0
27/02/2023 06:40	0	225	1	0.4	0
27/02/2023 06:50					0
27/02/2023 07:00					0
27/02/2023 07:10					0
27/02/2023 07:20					0
27/02/2023 07:30					0
27/02/2023 07:40					0
27/02/2023 07:50					0
27/02/2023 08:00					0
27/02/2023 08:10					0
27/02/2023 08:20					0
27/02/2023 08:30					0
27/02/2023 08:40					0
27/02/2023 08:50					0
27/02/2023 09:00					0
27/02/2023 09:10					0
27/02/2023 09:20					0
27/02/2023 09:30					0
27/02/2023 09:40					0
27/02/2023 09:50					0
27/02/2023 10:00					0
27/02/2023 10:10					0
27/02/2023 10:20					0
27/02/2023 10:30					0
27/02/2023 10:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/02/2023 10:50					0
27/02/2023 11:00					0
27/02/2023 11:10					0
27/02/2023 11:20					0
27/02/2023 11:30					0
27/02/2023 11:40					0
27/02/2023 11:50					0
27/02/2023 12:00					0
27/02/2023 12:10					0
27/02/2023 12:20					0
27/02/2023 12:30					0
27/02/2023 12:40					0
27/02/2023 12:50					0
27/02/2023 13:00					0
27/02/2023 13:10	0	30	0	0.4	0
27/02/2023 13:20					0
27/02/2023 13:30					0
27/02/2023 13:40					0
27/02/2023 13:50	0	1	0	0.4	0
27/02/2023 14:00	0	292	6	0.6	0
27/02/2023 14:10	0.1	339	10	0.9	0
27/02/2023 14:20	0.2	315	8	3.4	0
27/02/2023 14:30	2.2	316	26	5.6	0
27/02/2023 14:40	3	330	23	6.5	0
27/02/2023 14:50	3.7	339	32	6.4	0
27/02/2023 15:00	4	327	32	7.2	0
27/02/2023 15:10	3.5	321	35	6.1	0
27/02/2023 15:20	3.5	317	39	7.2	0
27/02/2023 15:30	4.3	327	27	7.5	0
27/02/2023 15:40	2.9	319	40	6.8	0
27/02/2023 15:50					0
27/02/2023 16:00					0
27/02/2023 16:10					0
27/02/2023 16:20					0
27/02/2023 16:30					0
27/02/2023 16:40					0
27/02/2023 16:50					0
27/02/2023 17:00					0
27/02/2023 17:10					0
27/02/2023 17:20					0
27/02/2023 17:30					0
27/02/2023 17:40					0
27/02/2023 17:50					0
27/02/2023 18:00					0
27/02/2023 18:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/02/2023 18:20					0
27/02/2023 18:30					0
27/02/2023 18:40					0
27/02/2023 18:50					0
27/02/2023 19:00					0
27/02/2023 19:10					0
27/02/2023 19:20					0
27/02/2023 19:30					0
27/02/2023 19:40					0
27/02/2023 19:50					0
27/02/2023 20:00					0
27/02/2023 20:10					0
27/02/2023 20:20					0
27/02/2023 20:30					0
27/02/2023 20:40					0
27/02/2023 20:50					0
27/02/2023 21:00					0
27/02/2023 21:10					0
27/02/2023 21:20					0
27/02/2023 21:30					0
27/02/2023 21:40					0
27/02/2023 21:50					0
27/02/2023 22:00					0
27/02/2023 22:10					0
27/02/2023 22:20					0
27/02/2023 22:30					0
27/02/2023 22:40					0
27/02/2023 22:50					0
27/02/2023 23:00					0
27/02/2023 23:10					0
27/02/2023 23:20					0
27/02/2023 23:30					0
27/02/2023 23:40					0
27/02/2023 23:50					0
28/02/2023 00:00					0
28/02/2023 00:10					0
28/02/2023 00:20					0
28/02/2023 00:30					0
28/02/2023 00:40					0
28/02/2023 00:50					0
28/02/2023 01:00					0
28/02/2023 01:10					0
28/02/2023 01:20					0
28/02/2023 01:30					0
28/02/2023 01:40					0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/02/2023 01:50					0
28/02/2023 02:00					0
28/02/2023 02:10					0
28/02/2023 02:20					0
28/02/2023 02:30					0
28/02/2023 02:40					0
28/02/2023 02:50					0
28/02/2023 03:00					0
28/02/2023 03:10					0
28/02/2023 03:20					0
28/02/2023 03:30					0
28/02/2023 03:40					0
28/02/2023 03:50					0
28/02/2023 04:00					0
28/02/2023 04:10					0
28/02/2023 04:20					0
28/02/2023 04:30					0
28/02/2023 04:40					0
28/02/2023 04:50					0
28/02/2023 05:00					0
28/02/2023 05:10					0
28/02/2023 05:20					0
28/02/2023 05:30					0
28/02/2023 05:40					0
28/02/2023 05:50					0
28/02/2023 06:00					0
28/02/2023 06:10					0
28/02/2023 06:20					0
28/02/2023 06:30					0
28/02/2023 06:40					0
28/02/2023 06:50					0
28/02/2023 07:00					0
28/02/2023 07:10					0
28/02/2023 07:20					0
28/02/2023 07:30					0
28/02/2023 07:40					0
28/02/2023 07:50					0
28/02/2023 08:00					0
28/02/2023 08:10					0
28/02/2023 08:20					0
28/02/2023 08:30					0
28/02/2023 08:40					0
28/02/2023 08:50					0
28/02/2023 09:00					0
28/02/2023 09:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/02/2023 09:20					0
28/02/2023 09:30					0
28/02/2023 09:40					0
28/02/2023 09:50					0
28/02/2023 10:00					0
28/02/2023 10:10					0
28/02/2023 10:20					0
28/02/2023 10:30					0
28/02/2023 10:40					0
28/02/2023 10:50					0
28/02/2023 11:00					0
28/02/2023 11:10					0
28/02/2023 11:20					0
28/02/2023 11:30					0
28/02/2023 11:40					0
28/02/2023 11:50					0
28/02/2023 12:00					0
28/02/2023 12:10					0
28/02/2023 12:20					0
28/02/2023 12:30					0
28/02/2023 12:40					0
28/02/2023 12:50					0
28/02/2023 13:00					0
28/02/2023 13:10					0
28/02/2023 13:20					0
28/02/2023 13:30					0
28/02/2023 13:40					0
28/02/2023 13:50					0
28/02/2023 14:00					0
28/02/2023 14:10					0
28/02/2023 14:20					0
28/02/2023 14:30					0
28/02/2023 14:40					0
28/02/2023 14:50					0
28/02/2023 15:00					0
28/02/2023 15:10					0
28/02/2023 15:20					0
28/02/2023 15:30					0
28/02/2023 15:40					0
28/02/2023 15:50					0
28/02/2023 16:00					0
28/02/2023 16:10					0
28/02/2023 16:20					0
28/02/2023 16:30					0
28/02/2023 16:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/02/2023 16:50					0
28/02/2023 17:00					0
28/02/2023 17:10					0
28/02/2023 17:20					0
28/02/2023 17:30					0
28/02/2023 17:40					0
28/02/2023 17:50					0
28/02/2023 18:00					0
28/02/2023 18:10					0
28/02/2023 18:20					0
28/02/2023 18:30					0
28/02/2023 18:40					0
28/02/2023 18:50					0
28/02/2023 19:00					0
28/02/2023 19:10					0
28/02/2023 19:20					0
28/02/2023 19:30					0
28/02/2023 19:40					0
28/02/2023 19:50					0
28/02/2023 20:00					0
28/02/2023 20:10					0
28/02/2023 20:20					0
28/02/2023 20:30					0
28/02/2023 20:40					0
28/02/2023 20:50					0
28/02/2023 21:00					0
28/02/2023 21:10					0
28/02/2023 21:20					0
28/02/2023 21:30					0
28/02/2023 21:40					0
28/02/2023 21:50					0
28/02/2023 22:00					0
28/02/2023 22:10					0
28/02/2023 22:20					0
28/02/2023 22:30					0
28/02/2023 22:40					0
28/02/2023 22:50					0
28/02/2023 23:00					0
28/02/2023 23:10					0
28/02/2023 23:20					0
28/02/2023 23:30					0
28/02/2023 23:40					0
28/02/2023 23:50					0
03/01/2023 00:00					0
03/01/2023 00:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/01/2023 00:20					0
03/01/2023 00:30					0
03/01/2023 00:40					0
03/01/2023 00:50					0
03/01/2023 01:00					0
03/01/2023 01:10					0
03/01/2023 01:20					0
03/01/2023 01:30					0
03/01/2023 01:40					0
03/01/2023 01:50					0
03/01/2023 02:00					0
03/01/2023 02:10					0
03/01/2023 02:20					0
03/01/2023 02:30					0
03/01/2023 02:40					0
03/01/2023 02:50					0
03/01/2023 03:00					0
03/01/2023 03:10					0
03/01/2023 03:20					0
03/01/2023 03:30					0
03/01/2023 03:40					0
03/01/2023 03:50					0
03/01/2023 04:00					0
03/01/2023 04:10					0
03/01/2023 04:20					0
03/01/2023 04:30					0
03/01/2023 04:40					0
03/01/2023 04:50					0
03/01/2023 05:00					0
03/01/2023 05:10					0
03/01/2023 05:20					0
03/01/2023 05:30					0
03/01/2023 05:40					0
03/01/2023 05:50					0
03/01/2023 06:00					0
03/01/2023 06:10					0
03/01/2023 06:20					0
03/01/2023 06:30					0
03/01/2023 06:40					0
03/01/2023 06:50					0
03/01/2023 07:00					0
03/01/2023 07:10					0
03/01/2023 07:20					0
03/01/2023 07:30					0
03/01/2023 07:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/01/2023 07:50					0
03/01/2023 08:00					0
03/01/2023 08:10					0
03/01/2023 08:20					0
03/01/2023 08:30					0
03/01/2023 08:40					0
03/01/2023 08:50					0
03/01/2023 09:00					0
03/01/2023 09:10					0
03/01/2023 09:20					0
03/01/2023 09:30					0
03/01/2023 09:40					0
03/01/2023 09:50					0
03/01/2023 10:00					0
03/01/2023 10:10					0
03/01/2023 10:20					0
03/01/2023 10:30					0
03/01/2023 10:40					0
03/01/2023 10:50					0
03/01/2023 11:00					0
03/01/2023 11:10					0
03/01/2023 11:20					0
03/01/2023 11:30					0
03/01/2023 11:40					0
03/01/2023 11:50					0
03/01/2023 12:00					0
03/01/2023 12:10					0
03/01/2023 12:20					0
03/01/2023 12:30					0
03/01/2023 12:40					0
03/01/2023 12:50					0
03/01/2023 13:00					0
03/01/2023 13:10					0
03/01/2023 13:20					0
03/01/2023 13:30					0
03/01/2023 13:40					0
03/01/2023 13:50					0
03/01/2023 14:00					0
03/01/2023 14:10					0
03/01/2023 14:20					0
03/01/2023 14:30					0
03/01/2023 14:40					0
03/01/2023 14:50					0
03/01/2023 15:00					0
03/01/2023 15:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/01/2023 15:20					0
03/01/2023 15:30					0
03/01/2023 15:40					0
03/01/2023 15:50					0
03/01/2023 16:00					0
03/01/2023 16:10					0
03/01/2023 16:20					0
03/01/2023 16:30					0
03/01/2023 16:40					0
03/01/2023 16:50					0
03/01/2023 17:00					0
03/01/2023 17:10					0
03/01/2023 17:20					0
03/01/2023 17:30					0
03/01/2023 17:40					0
03/01/2023 17:50					0
03/01/2023 18:00					0
03/01/2023 18:10					0
03/01/2023 18:20					0
03/01/2023 18:30					0
03/01/2023 18:40					0
03/01/2023 18:50					0
03/01/2023 19:00	0	258	0	0.6	0
03/01/2023 19:10	0	228	0	0.4	0
03/01/2023 19:20					0
03/01/2023 19:30					0
03/01/2023 19:40	2.6	207	12	6.2	0
03/01/2023 19:50	3	216	15	6.8	0
03/01/2023 20:00	3.5	226	15	7.2	0
03/01/2023 20:10	4.1	212	20	7.1	0
03/01/2023 20:20	1.8	194	14	4	0
03/01/2023 20:30	0.1	188	0	4.8	0
03/01/2023 20:40					0
03/01/2023 20:50					0
03/01/2023 21:00					0
03/01/2023 21:10					0
03/01/2023 21:20					0
03/01/2023 21:30					0
03/01/2023 21:40					0
03/01/2023 21:50					0
03/01/2023 22:00					0
03/01/2023 22:10					0
03/01/2023 22:20					0
03/01/2023 22:30					0
03/01/2023 22:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/01/2023 22:50					0
03/01/2023 23:00					0
03/01/2023 23:10					0
03/01/2023 23:20					0
03/01/2023 23:30					0
03/01/2023 23:40					0
03/01/2023 23:50					0
03/02/2023 00:00					0
03/02/2023 00:10					0
03/02/2023 00:20					0
03/02/2023 00:30					0
03/02/2023 00:40					0
03/02/2023 00:50					0
03/02/2023 01:00					0
03/02/2023 01:10					0
03/02/2023 01:20					0
03/02/2023 01:30					0
03/02/2023 01:40					0
03/02/2023 01:50					0
03/02/2023 02:00					0
03/02/2023 02:10					0
03/02/2023 02:20					0
03/02/2023 02:30					0
03/02/2023 02:40					0
03/02/2023 02:50					0
03/02/2023 03:00					0
03/02/2023 03:10					0
03/02/2023 03:20					0
03/02/2023 03:30					0
03/02/2023 03:40					0
03/02/2023 03:50					0
03/02/2023 04:00					0
03/02/2023 04:10					0
03/02/2023 04:20					0
03/02/2023 04:30					0
03/02/2023 04:40					0
03/02/2023 04:50					0
03/02/2023 05:00					0
03/02/2023 05:10					0
03/02/2023 05:20					0
03/02/2023 05:30					0
03/02/2023 05:40					0
03/02/2023 05:50					0
03/02/2023 06:00					0
03/02/2023 06:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/02/2023 06:20					0
03/02/2023 06:30					0
03/02/2023 06:40					0
03/02/2023 06:50					0
03/02/2023 07:00					0
03/02/2023 07:10	0.3	254	0	9.2	0
03/02/2023 07:20					0
03/02/2023 07:30					0
03/02/2023 07:40					0
03/02/2023 07:50					0
03/02/2023 08:00					0
03/02/2023 08:10					0
03/02/2023 08:20					0
03/02/2023 08:30					0
03/02/2023 08:40					0
03/02/2023 08:50					0
03/02/2023 09:00					0
03/02/2023 09:10					0
03/02/2023 09:20					0
03/02/2023 09:30					0
03/02/2023 09:40					0
03/02/2023 09:50					0
03/02/2023 10:00					0
03/02/2023 10:10					0
03/02/2023 10:20					0
03/02/2023 10:30					0
03/02/2023 10:40					0
03/02/2023 10:50					0
03/02/2023 11:00					0
03/02/2023 11:10					0
03/02/2023 11:20					0
03/02/2023 11:30					0
03/02/2023 11:40					0
03/02/2023 11:50					0
03/02/2023 12:00					0
03/02/2023 12:10					0
03/02/2023 12:20					0
03/02/2023 12:30					0
03/02/2023 12:40					0
03/02/2023 12:50					0
03/02/2023 13:00					0
03/02/2023 13:10					0
03/02/2023 13:20					0
03/02/2023 13:30					0
03/02/2023 13:40					0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/02/2023 13:50					0
03/02/2023 14:00					0
03/02/2023 14:10					0
03/02/2023 14:20					0
03/02/2023 14:30					0
03/02/2023 14:40					0
03/02/2023 14:50					0
03/02/2023 15:00					0
03/02/2023 15:10					0
03/02/2023 15:20					0
03/02/2023 15:30					0
03/02/2023 15:40					0
03/02/2023 15:50					0
03/02/2023 16:00					0
03/02/2023 16:10					0
03/02/2023 16:20					0
03/02/2023 16:30					0
03/02/2023 16:40					0
03/02/2023 16:50					0
03/02/2023 17:00					0
03/02/2023 17:10					0
03/02/2023 17:20					0
03/02/2023 17:30					0
03/02/2023 17:40					0
03/02/2023 17:50					0
03/02/2023 18:00					0
03/02/2023 18:10					0
03/02/2023 18:20					0
03/02/2023 18:30					0
03/02/2023 18:40					0
03/02/2023 18:50					0
03/02/2023 19:00					0
03/02/2023 19:10					0
03/02/2023 19:20					0
03/02/2023 19:30					0
03/02/2023 19:40					0
03/02/2023 19:50					0
03/02/2023 20:00					0
03/02/2023 20:10					0
03/02/2023 20:20					0
03/02/2023 20:30					0
03/02/2023 20:40					0
03/02/2023 20:50					0
03/02/2023 21:00					0
03/02/2023 21:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/02/2023 21:20					0
03/02/2023 21:30					0
03/02/2023 21:40					0
03/02/2023 21:50					0
03/02/2023 22:00					0
03/02/2023 22:10					0
03/02/2023 22:20					0
03/02/2023 22:30					0
03/02/2023 22:40					0
03/02/2023 22:50					0
03/02/2023 23:00					0
03/02/2023 23:10					0
03/02/2023 23:20					0
03/02/2023 23:30					0
03/02/2023 23:40					0
03/02/2023 23:50					0
03/03/2023 00:00					0
03/03/2023 00:10					0
03/03/2023 00:20					0
03/03/2023 00:30					0
03/03/2023 00:40					0
03/03/2023 00:50					0
03/03/2023 01:00					0
03/03/2023 01:10					0
03/03/2023 01:20					0
03/03/2023 01:30					0
03/03/2023 01:40					0
03/03/2023 01:50					0
03/03/2023 02:00					0
03/03/2023 02:10					0
03/03/2023 02:20					0
03/03/2023 02:30					0
03/03/2023 02:40					0
03/03/2023 02:50					0
03/03/2023 03:00					0
03/03/2023 03:10					0
03/03/2023 03:20					0
03/03/2023 03:30					0
03/03/2023 03:40					0
03/03/2023 03:50					0
03/03/2023 04:00					0
03/03/2023 04:10					0
03/03/2023 04:20					0
03/03/2023 04:30					0
03/03/2023 04:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/03/2023 04:50					0
03/03/2023 05:00					0
03/03/2023 05:10					0
03/03/2023 05:20					0
03/03/2023 05:30					0
03/03/2023 05:40					0
03/03/2023 05:50					0
03/03/2023 06:00					0
03/03/2023 06:10					0
03/03/2023 06:20					0
03/03/2023 06:30					0
03/03/2023 06:40					0
03/03/2023 06:50					0
03/03/2023 07:00					0
03/03/2023 07:10					0
03/03/2023 07:20					0
03/03/2023 07:30					0
03/03/2023 07:40					0
03/03/2023 07:50					0
03/03/2023 08:00					0
03/03/2023 08:10					0
03/03/2023 08:20					0
03/03/2023 08:30					0
03/03/2023 08:40					0
03/03/2023 08:50					0
03/03/2023 09:00					0
03/03/2023 09:10					0.1
03/03/2023 09:20					0
03/03/2023 09:30					0
03/03/2023 09:40					0
03/03/2023 09:50					0
03/03/2023 10:00					0
03/03/2023 10:10					0
03/03/2023 10:20					0
03/03/2023 10:30					0
03/03/2023 10:40					0
03/03/2023 10:50					0
03/03/2023 11:00					0
03/03/2023 11:10					0
03/03/2023 11:20					0
03/03/2023 11:30					0
03/03/2023 11:40					0
03/03/2023 11:50					0
03/03/2023 12:00					0
03/03/2023 12:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/03/2023 12:20					0
03/03/2023 12:30					0
03/03/2023 12:40					0
03/03/2023 12:50					0
03/03/2023 13:00					0
03/03/2023 13:10					0
03/03/2023 13:20					0
03/03/2023 13:30					0
03/03/2023 13:40					0
03/03/2023 13:50					0
03/03/2023 14:00					0
03/03/2023 14:10					0
03/03/2023 14:20					0
03/03/2023 14:30					0
03/03/2023 14:40					0
03/03/2023 14:50					0
03/03/2023 15:00					0
03/03/2023 15:10					0
03/03/2023 15:20					0
03/03/2023 15:30					0
03/03/2023 15:40					0
03/03/2023 15:50					0
03/03/2023 16:00					0
03/03/2023 16:10					0
03/03/2023 16:20					0
03/03/2023 16:30					0
03/03/2023 16:40					0
03/03/2023 16:50					0
03/03/2023 17:00					0
03/03/2023 17:10					0
03/03/2023 17:20					0
03/03/2023 17:30					0
03/03/2023 17:40					0
03/03/2023 17:50					0
03/03/2023 18:00					0
03/03/2023 18:10					0
03/03/2023 18:20					0
03/03/2023 18:30					0
03/03/2023 18:40					0
03/03/2023 18:50					0
03/03/2023 19:00					0
03/03/2023 19:10					0
03/03/2023 19:20					0
03/03/2023 19:30					0
03/03/2023 19:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/03/2023 19:50					0
03/03/2023 20:00					0
03/03/2023 20:10					0
03/03/2023 20:20					0
03/03/2023 20:30					0
03/03/2023 20:40					0
03/03/2023 20:50					0
03/03/2023 21:00					0
03/03/2023 21:10					0
03/03/2023 21:20					0
03/03/2023 21:30					0
03/03/2023 21:40					0
03/03/2023 21:50					0
03/03/2023 22:00					0
03/03/2023 22:10					0
03/03/2023 22:20					0
03/03/2023 22:30					0
03/03/2023 22:40					0
03/03/2023 22:50					0
03/03/2023 23:00					0
03/03/2023 23:10					0
03/03/2023 23:20					0
03/03/2023 23:30					0
03/03/2023 23:40					0
03/03/2023 23:50					0
03/04/2023 00:00					0
03/04/2023 00:10					0
03/04/2023 00:20					0
03/04/2023 00:30					0
03/04/2023 00:40					0
03/04/2023 00:50					0
03/04/2023 01:00					0
03/04/2023 01:10					0
03/04/2023 01:20					0
03/04/2023 01:30					0
03/04/2023 01:40					0
03/04/2023 01:50					0
03/04/2023 02:00					0
03/04/2023 02:10					0
03/04/2023 02:20					0
03/04/2023 02:30					0
03/04/2023 02:40					0
03/04/2023 02:50					0
03/04/2023 03:00					0
03/04/2023 03:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/04/2023 03:20					0
03/04/2023 03:30					0
03/04/2023 03:40					0
03/04/2023 03:50					0
03/04/2023 04:00					0
03/04/2023 04:10					0
03/04/2023 04:20					0
03/04/2023 04:30					0
03/04/2023 04:40					0
03/04/2023 04:50					0
03/04/2023 05:00					0
03/04/2023 05:10					0
03/04/2023 05:20					0
03/04/2023 05:30					0
03/04/2023 05:40					0
03/04/2023 05:50					0
03/04/2023 06:00					0
03/04/2023 06:10					0
03/04/2023 06:20					0
03/04/2023 06:30					0
03/04/2023 06:40					0
03/04/2023 06:50					0
03/04/2023 07:00					0
03/04/2023 07:10					0
03/04/2023 07:20					0
03/04/2023 07:30					0
03/04/2023 07:40					0
03/04/2023 07:50					0
03/04/2023 08:00					0
03/04/2023 08:10	2.3	261	16	6.3	0
03/04/2023 08:20	3.5	256	17	5.7	0
03/04/2023 08:30	4	253	19	5.8	0
03/04/2023 08:40	4	252	19	6.1	0
03/04/2023 08:50	3.8	254	19	5.4	0
03/04/2023 09:00	3.8	253	17	6	0
03/04/2023 09:10	3.8	255	21	6	0
03/04/2023 09:20	3.8	254	17	6	0
03/04/2023 09:30	3.7	258	21	5.2	0
03/04/2023 09:40	4.4	250	19	7	0
03/04/2023 09:50	3.8	262	23	6	0
03/04/2023 10:00	4	259	20	6.2	0
03/04/2023 10:10	4	258	21	6	0
03/04/2023 10:20	4.1	252	22	7	0
03/04/2023 10:30	4.2	250	21	7.2	0
03/04/2023 10:40	4.2	255	21	6.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/04/2023 10:50	4.5	249	19	6.9	0
03/04/2023 11:00	4.4	248	17	6.5	0
03/04/2023 11:10	4.6	252	20	6.9	0
03/04/2023 11:20	4.4	255	21	6.8	0
03/04/2023 11:30	5.1	244	16	7.1	0
03/04/2023 11:40	5.2	245	16	7.9	0
03/04/2023 11:50	4.8	249	20	6.8	0
03/04/2023 12:00	4.9	247	19	7.8	0
03/04/2023 12:10	5.4	246	19	7.8	0
03/04/2023 12:20	5	246	18	7.7	0
03/04/2023 12:30	5.2	247	18	7.6	0
03/04/2023 12:40	5.3	251	19	7.5	0
03/04/2023 12:50	5.3	242	17	7.8	0
03/04/2023 13:00	5.1	248	17	7.5	0
03/04/2023 13:10	5.2	245	18	7.6	0
03/04/2023 13:20	5.4	245	18	7.4	0
03/04/2023 13:30	4.8	251	14	7.2	0
03/04/2023 13:40	4.5	251	17	6.8	0
03/04/2023 13:50	4.6	247	18	7.1	0
03/04/2023 14:00	4.7	247	19	6.6	0
03/04/2023 14:10	4	255	21	6.4	0
03/04/2023 14:20	4.1	255	21	6.7	0
03/04/2023 14:30	3.2	279	40	6.2	0
03/04/2023 14:40	3.5	282	35	5.8	0
03/04/2023 14:50	3.1	285	40	5.5	0
03/04/2023 15:00	3.2	291	39	5	0
03/04/2023 15:10	3.4	292	42	6.8	0
03/04/2023 15:20	3.3	286	36	6	0
03/04/2023 15:30	3.3	277	42	5.2	0
03/04/2023 15:40	3.1	273	39	5.7	0
03/04/2023 15:50	3.4	274	43	5.8	0
03/04/2023 16:00	3.5	279	37	5.8	0
03/04/2023 16:10	3.2	289	35	5.5	0
03/04/2023 16:20	3	283	38	5.1	0
03/04/2023 16:30	3.5	281	37	5.9	0
03/04/2023 16:40	3.2	274	38	5.8	0
03/04/2023 16:50	3.3	287	43	5.9	0
03/04/2023 17:00	2.9	286	39	5.3	0
03/04/2023 17:10	3.6	264	30	5.6	0
03/04/2023 17:20	2.9	284	39	4.4	0
03/04/2023 17:30	3.3	268	35	5.4	0
03/04/2023 17:40	3	274	33	5	0
03/04/2023 17:50	3.1	273	37	5.6	0
03/04/2023 18:00	3.5	261	29	5.6	0
03/04/2023 18:10	3.2	265	31	6.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/04/2023 18:20	3.4	267	28	6.1	0
03/04/2023 18:30	3.6	261	25	5.6	0
03/04/2023 18:40	3	261	25	4.9	0
03/04/2023 18:50	3.2	277	30	5.4	0
03/04/2023 19:00	2.8	272	34	4.6	0
03/04/2023 19:10	3	271	41	5.2	0
03/04/2023 19:20	3.2	268	32	5.2	0
03/04/2023 19:30	3.5	261	25	5.3	0
03/04/2023 19:40	3.6	264	25	6	0
03/04/2023 19:50	3.2	262	27	5.1	0
03/04/2023 20:00	3.2	262	24	5.1	0
03/04/2023 20:10	3.1	262	22	5.9	0
03/04/2023 20:20	3.2	261	23	5.1	0
03/04/2023 20:30	2.9	268	23	4.5	0
03/04/2023 20:40	3.4	260	19	5.8	0
03/04/2023 20:50	4	259	18	6.3	0
03/04/2023 21:00	3.8	260	18	5.9	0
03/04/2023 21:10	3.1	261	19	4.8	0
03/04/2023 21:20	2.9	259	22	4.7	0
03/04/2023 21:30	3.1	259	17	4.7	0
03/04/2023 21:40	3.2	258	15	5.4	0
03/04/2023 21:50	3.4	262	18	5.3	0
03/04/2023 22:00	4.3	259	16	6.1	0
03/04/2023 22:10	4	257	19	6.1	0
03/04/2023 22:20	3.6	258	17	5.6	0
03/04/2023 22:30	4.1	256	17	6.4	0
03/04/2023 22:40	4.1	255	18	6.2	0
03/04/2023 22:50	3.5	260	21	6.2	0
03/04/2023 23:00	3.1	261	18	5.2	0
03/04/2023 23:10	3	263	22	4.6	0
03/04/2023 23:20	3.3	258	22	5	0
03/04/2023 23:30	2.8	251	20	4	0
03/04/2023 23:40	2	242	19	3.2	0
03/04/2023 23:50	0.5	226	31	1.4	0
03/05/2023 00:00	0.9	220	49	1.6	0
03/05/2023 00:10	0.7	106	26	1.2	0
03/05/2023 00:20	1.1	41	14	1.6	0
03/05/2023 00:30	0.9	46	18	1.5	0
03/05/2023 00:40	1.1	33	16	1.6	0
03/05/2023 00:50	1.2	185	25	2	0
03/05/2023 01:00	1.2	332	35	1.8	0
03/05/2023 01:10	1	268	30	1.7	0
03/05/2023 01:20	1.5	262	21	2.3	0
03/05/2023 01:30	1.3	260	30	1.9	0
03/05/2023 01:40	1.1	258	23	1.8	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/05/2023 01:50	0.8	267	27	1.5	0
03/05/2023 02:00	1	318	30	1.6	0
03/05/2023 02:10	1.1	180	23	1.6	0
03/05/2023 02:20	0.9	20	29	1.8	0
03/05/2023 02:30	1	174	21	1.6	0
03/05/2023 02:40	1.4	336	18	2.2	0
03/05/2023 02:50	0.9	280	48	2	0
03/05/2023 03:00	0.9	151	49	1.6	0
03/05/2023 03:10	1.1	11	35	2.1	0
03/05/2023 03:20	0.9	337	31	1.9	0
03/05/2023 03:30	1.1	341	27	2	0
03/05/2023 03:40	1.2	27	30	1.7	0
03/05/2023 03:50	1.1	26	26	1.6	0
03/05/2023 04:00	1.2	310	37	2.4	0
03/05/2023 04:10	1.2	278	42	2	0
03/05/2023 04:20	1.5	287	37	2.5	0
03/05/2023 04:30	1.2	272	57	2.4	0
03/05/2023 04:40	1.7	258	29	2.8	0
03/05/2023 04:50	1.6	269	34	2.6	0
03/05/2023 05:00	1.2	293	38	2.4	0
03/05/2023 05:10	0.9	266	32	1.9	0
03/05/2023 05:20	1.5	272	33	2.4	0
03/05/2023 05:30	0.8	275	40	1.6	0
03/05/2023 05:40	1.1	260	28	1.9	0
03/05/2023 05:50	1	281	40	1.9	0
03/05/2023 06:00	1.1	275	38	1.8	0
03/05/2023 06:10	1.1	282	34	1.7	0
03/05/2023 06:20	1.3	273	31	2.6	0
03/05/2023 06:30	1.1	267	31	1.8	0
03/05/2023 06:40	0.9	254	40	2.2	0
03/05/2023 06:50	1.3	264	36	2.9	0
03/05/2023 07:00	1.1	275	53	2.3	0
03/05/2023 07:10	1.3	328	44	2.8	0
03/05/2023 07:20	1.7	298	41	3.4	0
03/05/2023 07:30	2	287	37	3.8	0
03/05/2023 07:40	2.1	267	38	3.7	0
03/05/2023 07:50	2	287	39	3.3	0
03/05/2023 08:00	2.1	295	41	3.6	0
03/05/2023 08:10	2.1	287	36	4	0
03/05/2023 08:20	2.3	293	44	4.2	0
03/05/2023 08:30	0.3	305	9	5.1	0
03/05/2023 08:40					0
03/05/2023 08:50					0
03/05/2023 09:00					0
03/05/2023 09:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/05/2023 09:20					0
03/05/2023 09:30					0
03/05/2023 09:40					0
03/05/2023 09:50					0
03/05/2023 10:00					0
03/05/2023 10:10					0
03/05/2023 10:20					0
03/05/2023 10:30					0
03/05/2023 10:40					0
03/05/2023 10:50					0
03/05/2023 11:00					0
03/05/2023 11:10					0
03/05/2023 11:20	0	298	0	0.4	0
03/05/2023 11:30	0	260	0	0.4	0
03/05/2023 11:40					0
03/05/2023 11:50					0
03/05/2023 12:00					0
03/05/2023 12:10					0
03/05/2023 12:20					0
03/05/2023 12:30					0
03/05/2023 12:40					0
03/05/2023 12:50					0
03/05/2023 13:00					0
03/05/2023 13:10					0
03/05/2023 13:20					0
03/05/2023 13:30					0
03/05/2023 13:40					0
03/05/2023 13:50					0
03/05/2023 14:00					0
03/05/2023 14:10					0
03/05/2023 14:20					0
03/05/2023 14:30					0
03/05/2023 14:40					0
03/05/2023 14:50					0
03/05/2023 15:00					0
03/05/2023 15:10					0
03/05/2023 15:20					0
03/05/2023 15:30					0
03/05/2023 15:40					0
03/05/2023 15:50					0
03/05/2023 16:00					0
03/05/2023 16:10					0
03/05/2023 16:20					0
03/05/2023 16:30					0
03/05/2023 16:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/05/2023 16:50					0
03/05/2023 17:00					0
03/05/2023 17:10					0
03/05/2023 17:20					0
03/05/2023 17:30					0
03/05/2023 17:40					0
03/05/2023 17:50					0
03/05/2023 18:00					0
03/05/2023 18:10					0
03/05/2023 18:20					0
03/05/2023 18:30					0
03/05/2023 18:40					0
03/05/2023 18:50					0
03/05/2023 19:00					0
03/05/2023 19:10					0
03/05/2023 19:20					0
03/05/2023 19:30					0
03/05/2023 19:40					0
03/05/2023 19:50					0
03/05/2023 20:00					0
03/05/2023 20:10					0
03/05/2023 20:20					0
03/05/2023 20:30					0
03/05/2023 20:40					0
03/05/2023 20:50					0
03/05/2023 21:00					0
03/05/2023 21:10					0
03/05/2023 21:20					0
03/05/2023 21:30					0
03/05/2023 21:40					0
03/05/2023 21:50					0
03/05/2023 22:00					0
03/05/2023 22:10					0
03/05/2023 22:20					0
03/05/2023 22:30					0
03/05/2023 22:40					0
03/05/2023 22:50					0
03/05/2023 23:00					0
03/05/2023 23:10					0
03/05/2023 23:20					0
03/05/2023 23:30					0
03/05/2023 23:40					0
03/05/2023 23:50					0
03/06/2023 00:00					0
03/06/2023 00:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/06/2023 00:20					0
03/06/2023 00:30					0
03/06/2023 00:40					0
03/06/2023 00:50					0
03/06/2023 01:00					0
03/06/2023 01:10					0
03/06/2023 01:20					0
03/06/2023 01:30					0
03/06/2023 01:40					0
03/06/2023 01:50					0
03/06/2023 02:00					0
03/06/2023 02:10					0
03/06/2023 02:20					0
03/06/2023 02:30					0
03/06/2023 02:40					0
03/06/2023 02:50					0
03/06/2023 03:00					0
03/06/2023 03:10					0
03/06/2023 03:20					0
03/06/2023 03:30					0
03/06/2023 03:40					0
03/06/2023 03:50					0
03/06/2023 04:00					0
03/06/2023 04:10					0
03/06/2023 04:20					0
03/06/2023 04:30					0
03/06/2023 04:40					0
03/06/2023 04:50					0
03/06/2023 05:00					0
03/06/2023 05:10					0
03/06/2023 05:20					0
03/06/2023 05:30					0
03/06/2023 05:40					0
03/06/2023 05:50					0
03/06/2023 06:00					0
03/06/2023 06:10					0
03/06/2023 06:20					0
03/06/2023 06:30					0
03/06/2023 06:40					0
03/06/2023 06:50					0
03/06/2023 07:00					0
03/06/2023 07:10					0
03/06/2023 07:20					0
03/06/2023 07:30					0
03/06/2023 07:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/06/2023 07:50					0
03/06/2023 08:00					0
03/06/2023 08:10					0
03/06/2023 08:20					0
03/06/2023 08:30					0
03/06/2023 08:40					0
03/06/2023 08:50					0
03/06/2023 09:00					0
03/06/2023 09:10					0
03/06/2023 09:20					0
03/06/2023 09:30					0
03/06/2023 09:40					0
03/06/2023 09:50					0
03/06/2023 10:00					0
03/06/2023 10:10					0
03/06/2023 10:20					0
03/06/2023 10:30					0
03/06/2023 10:40					0
03/06/2023 10:50					0
03/06/2023 11:00					0
03/06/2023 11:10					0
03/06/2023 11:20					0
03/06/2023 11:30					0
03/06/2023 11:40					0
03/06/2023 11:50					0
03/06/2023 12:00					0
03/06/2023 12:10					0
03/06/2023 12:20					0
03/06/2023 12:30					0
03/06/2023 12:40					0
03/06/2023 12:50					0
03/06/2023 13:00					0
03/06/2023 13:10					0
03/06/2023 13:20					0
03/06/2023 13:30					0
03/06/2023 13:40					0
03/06/2023 13:50					0
03/06/2023 14:00					0
03/06/2023 14:10					0
03/06/2023 14:20					0
03/06/2023 14:30					0
03/06/2023 14:40					0
03/06/2023 14:50					0
03/06/2023 15:00					0
03/06/2023 15:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/06/2023 15:20					0
03/06/2023 15:30					0
03/06/2023 15:40					0
03/06/2023 15:50					0
03/06/2023 16:00					0
03/06/2023 16:10					0
03/06/2023 16:20					0
03/06/2023 16:30					0
03/06/2023 16:40					0
03/06/2023 16:50					0
03/06/2023 17:00					0
03/06/2023 17:10					0
03/06/2023 17:20					0
03/06/2023 17:30					0
03/06/2023 17:40					0
03/06/2023 17:50					0
03/06/2023 18:00					0
03/06/2023 18:10					0
03/06/2023 18:20					0
03/06/2023 18:30					0
03/06/2023 18:40					0
03/06/2023 18:50					0
03/06/2023 19:00					0
03/06/2023 19:10					0
03/06/2023 19:20					0
03/06/2023 19:30					0
03/06/2023 19:40					0
03/06/2023 19:50					0
03/06/2023 20:00					0
03/06/2023 20:10					0
03/06/2023 20:20					0
03/06/2023 20:30					0
03/06/2023 20:40					0
03/06/2023 20:50					0
03/06/2023 21:00					0
03/06/2023 21:10					0
03/06/2023 21:20					0
03/06/2023 21:30					0
03/06/2023 21:40					0
03/06/2023 21:50					0
03/06/2023 22:00					0
03/06/2023 22:10					0
03/06/2023 22:20					0
03/06/2023 22:30					0
03/06/2023 22:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/06/2023 22:50					0
03/06/2023 23:00					0
03/06/2023 23:10					0
03/06/2023 23:20					0
03/06/2023 23:30					0
03/06/2023 23:40					0
03/06/2023 23:50					0
03/07/2023 00:00					0
03/07/2023 00:10					0
03/07/2023 00:20					0
03/07/2023 00:30					0
03/07/2023 00:40					0
03/07/2023 00:50					0
03/07/2023 01:00					0
03/07/2023 01:10					0
03/07/2023 01:20					0
03/07/2023 01:30					0
03/07/2023 01:40					0
03/07/2023 01:50					0
03/07/2023 02:00					0
03/07/2023 02:10					0
03/07/2023 02:20					0
03/07/2023 02:30					0
03/07/2023 02:40					0
03/07/2023 02:50					0
03/07/2023 03:00					0
03/07/2023 03:10					0
03/07/2023 03:20					0
03/07/2023 03:30					0
03/07/2023 03:40					0
03/07/2023 03:50					0
03/07/2023 04:00					0
03/07/2023 04:10					0
03/07/2023 04:20					0
03/07/2023 04:30					0
03/07/2023 04:40	0.5	140	8	4.4	0
03/07/2023 04:50	3.7	137	25	6.4	0
03/07/2023 05:00	3.6	144	25	6	0
03/07/2023 05:10	4	145	27	7	0
03/07/2023 05:20	3.9	144	26	6	0
03/07/2023 05:30	3.5	163	23	5.9	0
03/07/2023 05:40	2.4	158	25	4.4	0
03/07/2023 05:50	2.5	179	18	3.7	0
03/07/2023 06:00	3	189	16	4.9	0.2
03/07/2023 06:10	3.4	201	18	5.3	0.1



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/07/2023 06:20	4.1	193	17	5.9	0
03/07/2023 06:30	4.7	192	18	7.2	0
03/07/2023 06:40	4	197	18	6	0.1
03/07/2023 06:50	3	195	18	4.7	0
03/07/2023 07:00	2.5	224	18	3.6	0
03/07/2023 07:10	2.8	252	17	4	0
03/07/2023 07:20	2.5	229	15	3.5	0
03/07/2023 07:30	2	247	18	3	0
03/07/2023 07:40	1.6	272	20	2.5	0
03/07/2023 07:50	0.8	145	30	1.4	0
03/07/2023 08:00	1.2	352	16	2	0
03/07/2023 08:10	2.6	9	21	4	0
03/07/2023 08:20	3.4	13	22	5.1	0
03/07/2023 08:30	2.4	19	23	3.8	0
03/07/2023 08:40	1.9	26	23	2.9	0
03/07/2023 08:50	2	22	26	3.5	0
03/07/2023 09:00	1.9	32	26	3	0
03/07/2023 09:10	1.7	22	25	2.8	0
03/07/2023 09:20	2	40	24	3.2	0
03/07/2023 09:30	2.3	31	23	3.6	0
03/07/2023 09:40	2.8	45	21	4.4	0
03/07/2023 09:50	2.7	46	21	3.9	0
03/07/2023 10:00	2	51	22	3.8	0
03/07/2023 10:10					0
03/07/2023 10:20					0
03/07/2023 10:30					0
03/07/2023 10:40					0
03/07/2023 10:50					0
03/07/2023 11:00					0
03/07/2023 11:10					0
03/07/2023 11:20	0	104	5	0.4	0
03/07/2023 11:30	0.2	85	5	2.4	0
03/07/2023 11:40	1.3	76	13	4	0
03/07/2023 11:50	0.1	74	1	2.7	0
03/07/2023 12:00					0
03/07/2023 12:10	0	110	0	0.4	0
03/07/2023 12:20					0
03/07/2023 12:30	0	66	3	0.6	0
03/07/2023 12:40	0	69	2	0.5	0
03/07/2023 12:50					0
03/07/2023 13:00					0
03/07/2023 13:10					0
03/07/2023 13:20					0
03/07/2023 13:30					0
03/07/2023 13:40					0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/07/2023 13:50					0
03/07/2023 14:00					0
03/07/2023 14:10					0
03/07/2023 14:20					0
03/07/2023 14:30	0	76	0	0.4	0
03/07/2023 14:40					0
03/07/2023 14:50					0
03/07/2023 15:00	0	27	8	0.4	0
03/07/2023 15:10	0	319	0	0.4	0
03/07/2023 15:20					0
03/07/2023 15:30					0
03/07/2023 15:40					0
03/07/2023 15:50					0
03/07/2023 16:00					0
03/07/2023 16:10					0
03/07/2023 16:20					0
03/07/2023 16:30					0
03/07/2023 16:40					0
03/07/2023 16:50					0
03/07/2023 17:00					0
03/07/2023 17:10					0
03/07/2023 17:20					0
03/07/2023 17:30					0
03/07/2023 17:40					0
03/07/2023 17:50					0
03/07/2023 18:00					0
03/07/2023 18:10					0
03/07/2023 18:20					0
03/07/2023 18:30					0
03/07/2023 18:40					0
03/07/2023 18:50					0
03/07/2023 19:00					0
03/07/2023 19:10					0
03/07/2023 19:20					0
03/07/2023 19:30					0
03/07/2023 19:40					0
03/07/2023 19:50					0
03/07/2023 20:00					0
03/07/2023 20:10					0
03/07/2023 20:20					0
03/07/2023 20:30					0
03/07/2023 20:40					0
03/07/2023 20:50					0
03/07/2023 21:00					0
03/07/2023 21:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/07/2023 21:20					0
03/07/2023 21:30					0
03/07/2023 21:40					0
03/07/2023 21:50					0
03/07/2023 22:00					0
03/07/2023 22:10					0
03/07/2023 22:20					0
03/07/2023 22:30					0
03/07/2023 22:40					0
03/07/2023 22:50					0
03/07/2023 23:00					0
03/07/2023 23:10					0
03/07/2023 23:20					0
03/07/2023 23:30					0
03/07/2023 23:40					0
03/07/2023 23:50					0
03/08/2023 00:00					0
03/08/2023 00:10					0
03/08/2023 00:20					0
03/08/2023 00:30					0
03/08/2023 00:40					0
03/08/2023 00:50					0
03/08/2023 01:00					0
03/08/2023 01:10					0
03/08/2023 01:20					0
03/08/2023 01:30					0
03/08/2023 01:40					0
03/08/2023 01:50					0
03/08/2023 02:00					0
03/08/2023 02:10					0
03/08/2023 02:20					0
03/08/2023 02:30					0
03/08/2023 02:40					0
03/08/2023 02:50					0
03/08/2023 03:00					0
03/08/2023 03:10					0
03/08/2023 03:20					0
03/08/2023 03:30					0
03/08/2023 03:40					0
03/08/2023 03:50					0
03/08/2023 04:00					0
03/08/2023 04:10					0
03/08/2023 04:20					0
03/08/2023 04:30					0
03/08/2023 04:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/08/2023 04:50					0
03/08/2023 05:00					0
03/08/2023 05:10					0
03/08/2023 05:20					0
03/08/2023 05:30					0
03/08/2023 05:40					0
03/08/2023 05:50					0
03/08/2023 06:00					0
03/08/2023 06:10					0
03/08/2023 06:20					0
03/08/2023 06:30					0
03/08/2023 06:40					0
03/08/2023 06:50					0
03/08/2023 07:00					0
03/08/2023 07:10					0
03/08/2023 07:20					0
03/08/2023 07:30					0
03/08/2023 07:40					0
03/08/2023 07:50					0
03/08/2023 08:00					0
03/08/2023 08:10					0
03/08/2023 08:20					0
03/08/2023 08:30					0
03/08/2023 08:40					0
03/08/2023 08:50					0
03/08/2023 09:00					0
03/08/2023 09:10					0
03/08/2023 09:20					0
03/08/2023 09:30					0
03/08/2023 09:40					0
03/08/2023 09:50					0
03/08/2023 10:00					0
03/08/2023 10:10					0
03/08/2023 10:20					0
03/08/2023 10:30					0
03/08/2023 10:40					0
03/08/2023 10:50					0
03/08/2023 11:00					0
03/08/2023 11:10					0
03/08/2023 11:20					0
03/08/2023 11:30					0
03/08/2023 11:40					0
03/08/2023 11:50					0
03/08/2023 12:00					0
03/08/2023 12:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/08/2023 12:20					0
03/08/2023 12:30					0
03/08/2023 12:40					0
03/08/2023 12:50					0
03/08/2023 13:00					0
03/08/2023 13:10					0
03/08/2023 13:20					0
03/08/2023 13:30					0
03/08/2023 13:40					0
03/08/2023 13:50					0
03/08/2023 14:00					0
03/08/2023 14:10	0	334	0	0.4	0
03/08/2023 14:20					0
03/08/2023 14:30					0
03/08/2023 14:40	0	325	0	0.4	0
03/08/2023 14:50					0
03/08/2023 15:00					0
03/08/2023 15:10					0
03/08/2023 15:20					0
03/08/2023 15:30					0
03/08/2023 15:40					0
03/08/2023 15:50					0
03/08/2023 16:00					0
03/08/2023 16:10					0
03/08/2023 16:20					0
03/08/2023 16:30					0
03/08/2023 16:40					0
03/08/2023 16:50					0
03/08/2023 17:00					0
03/08/2023 17:10					0
03/08/2023 17:20					0
03/08/2023 17:30					0
03/08/2023 17:40					0
03/08/2023 17:50					0
03/08/2023 18:00					0
03/08/2023 18:10					0
03/08/2023 18:20					0
03/08/2023 18:30					0
03/08/2023 18:40					0
03/08/2023 18:50					0
03/08/2023 19:00					0
03/08/2023 19:10					0
03/08/2023 19:20					0
03/08/2023 19:30					0
03/08/2023 19:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/08/2023 19:50					0
03/08/2023 20:00					0
03/08/2023 20:10					0
03/08/2023 20:20					0
03/08/2023 20:30					0
03/08/2023 20:40					0
03/08/2023 20:50					0
03/08/2023 21:00					0
03/08/2023 21:10					0
03/08/2023 21:20					0
03/08/2023 21:30					0
03/08/2023 21:40					0
03/08/2023 21:50					0
03/08/2023 22:00					0
03/08/2023 22:10					0
03/08/2023 22:20					0
03/08/2023 22:30	1.6	314	30	4.3	0
03/08/2023 22:40	2.2	297	42	4.3	0
03/08/2023 22:50	2.9	314	24	4.7	0
03/08/2023 23:00	2.6	307	33	4.5	0
03/08/2023 23:10	2.9	318	29	4.8	0
03/08/2023 23:20	3.1	321	25	4.9	0
03/08/2023 23:30	2.2	285	49	4	0
03/08/2023 23:40	2.3	301	34	4	0
03/08/2023 23:50	2.1	294	40	3.9	0
03/09/2023 00:00	2.4	264	28	4	0
03/09/2023 00:10	2.6	263	22	4	0
03/09/2023 00:20	2.4	272	29	4.3	0
03/09/2023 00:30	2.4	266	26	4	0
03/09/2023 00:40	2.4	261	23	3.8	0
03/09/2023 00:50	2.5	260	25	4.3	0
03/09/2023 01:00	2.5	266	24	3.9	0
03/09/2023 01:10	2.8	255	17	4.3	0
03/09/2023 01:20	3.4	250	16	5.1	0
03/09/2023 01:30	3.2	258	20	5.2	0
03/09/2023 01:40	3.4	255	20	5	0
03/09/2023 01:50	3.5	256	15	5.2	0
03/09/2023 02:00	3	260	17	4.6	0
03/09/2023 02:10	3.4	260	18	5	0
03/09/2023 02:20	3.2	256	16	4.8	0
03/09/2023 02:30	3.7	253	18	5.6	0
03/09/2023 02:40	3.6	258	19	5.4	0
03/09/2023 02:50	3.8	251	17	5.5	0
03/09/2023 03:00	3.4	252	19	4.7	0
03/09/2023 03:10	3.5	252	17	4.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/09/2023 03:20	2.9	254	20	4.4	0
03/09/2023 03:30	2.8	256	18	4.4	0
03/09/2023 03:40	2.7	248	17	4	0
03/09/2023 03:50	2.3	237	18	3.2	0
03/09/2023 04:00	2.4	230	15	3.7	0
03/09/2023 04:10	1.8	227	20	2.6	0
03/09/2023 04:20	2	241	16	2.8	0
03/09/2023 04:30	2.6	243	16	4	0
03/09/2023 04:40	3	242	17	4.5	0
03/09/2023 04:50	2.4	241	19	3.8	0
03/09/2023 05:00	1.8	242	18	2.7	0
03/09/2023 05:10	1.9	245	14	2.9	0
03/09/2023 05:20	1.8	250	15	2.8	0
03/09/2023 05:30	1.5	248	20	2.1	0
03/09/2023 05:40	1.7	259	17	2.4	0
03/09/2023 05:50	1.5	248	17	2.4	0
03/09/2023 06:00	1.4	242	18	2.4	0
03/09/2023 06:10	1.7	251	20	2.5	0
03/09/2023 06:20	2	256	15	2.8	0
03/09/2023 06:30	1.5	238	24	2.2	0
03/09/2023 06:40	1.4	234	25	2.1	0
03/09/2023 06:50	1.7	248	20	2.5	0
03/09/2023 07:00	2	225	22	3.4	0
03/09/2023 07:10	2.3	218	18	3.5	0
03/09/2023 07:20	2.6	219	19	3.9	0
03/09/2023 07:30	2.7	214	19	4.1	0
03/09/2023 07:40	3	205	21	4.7	0
03/09/2023 07:50	3.3	194	16	4.8	0
03/09/2023 08:00	3.4	199	17	4.7	0
03/09/2023 08:10	2.9	200	21	4	0
03/09/2023 08:20	2.7	212	18	4.1	0
03/09/2023 08:30	2.7	227	26	3.6	0
03/09/2023 08:40	2.7	223	21	4.1	0
03/09/2023 08:50	2.4	237	21	4	0
03/09/2023 09:00	2.3	248	23	4.2	0
03/09/2023 09:10	2.6	249	20	3.6	0
03/09/2023 09:20	2.7	236	21	4	0
03/09/2023 09:30	2.8	245	22	4.2	0
03/09/2023 09:40	2.8	251	21	4.1	0
03/09/2023 09:50	2.7	255	29	4.4	0
03/09/2023 10:00	2	234	32	3.6	0
03/09/2023 10:10	2.1	260	38	3.8	0
03/09/2023 10:20	2.1	261	40	4.1	0
03/09/2023 10:30	2.3	256	34	4	0
03/09/2023 10:40	1.7	274	35	2.8	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/09/2023 10:50	1.5	279	60	3	0
03/09/2023 11:00	2.1	212	30	3.2	0
03/09/2023 11:10	2	237	27	3.2	0
03/09/2023 11:20	1.7	269	50	3.6	0
03/09/2023 11:30	2.1	255	55	3.7	0
03/09/2023 11:40	2.1	265	30	4	0
03/09/2023 11:50	2.4	297	40	4.6	0
03/09/2023 12:00	1.8	297	47	3.3	0
03/09/2023 12:10	1.9	297	56	3.7	0
03/09/2023 12:20	2.6	326	36	4.3	0
03/09/2023 12:30	2.9	324	26	4.5	0
03/09/2023 12:40	2.4	326	33	4.3	0
03/09/2023 12:50	2.8	343	37	4.4	0
03/09/2023 13:00	2.8	334	28	4.4	0
03/09/2023 13:10	2.8	324	38	4.6	0
03/09/2023 13:20	3.1	323	29	5.1	0
03/09/2023 13:30	2.8	315	30	4.8	0
03/09/2023 13:40	3.4	340	21	5.5	0
03/09/2023 13:50	3.4	316	31	5.2	0
03/09/2023 14:00	3.4	321	30	5.7	0
03/09/2023 14:10	2.6	328	23	5.2	0
03/09/2023 14:20					0
03/09/2023 14:30					0
03/09/2023 14:40					0
03/09/2023 14:50					0
03/09/2023 15:00					0
03/09/2023 15:10					0
03/09/2023 15:20					0
03/09/2023 15:30					0
03/09/2023 15:40					0
03/09/2023 15:50					0
03/09/2023 16:00					0
03/09/2023 16:10					0
03/09/2023 16:20					0
03/09/2023 16:30					0
03/09/2023 16:40					0
03/09/2023 16:50					0
03/09/2023 17:00					0
03/09/2023 17:10					0
03/09/2023 17:20					0
03/09/2023 17:30					0
03/09/2023 17:40					0
03/09/2023 17:50					0
03/09/2023 18:00					0
03/09/2023 18:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/09/2023 18:20					0
03/09/2023 18:30					0
03/09/2023 18:40					0
03/09/2023 18:50					0
03/09/2023 19:00					0
03/09/2023 19:10					0
03/09/2023 19:20					0
03/09/2023 19:30					0
03/09/2023 19:40					0
03/09/2023 19:50					0
03/09/2023 20:00					0
03/09/2023 20:10					0
03/09/2023 20:20					0
03/09/2023 20:30					0
03/09/2023 20:40					0
03/09/2023 20:50					0
03/09/2023 21:00	1.3	249	9	5.9	0
03/09/2023 21:10	4	260	16	5.6	0
03/09/2023 21:20	3.4	257	19	5.3	0
03/09/2023 21:30	2.4	254	11	5.2	0
03/09/2023 21:40	0	241	0	0.4	0
03/09/2023 21:50	1.6	257	14	4.4	0
03/09/2023 22:00					0
03/09/2023 22:10	2.2	257	14	4.1	0
03/09/2023 22:20	2.5	260	17	3.8	0
03/09/2023 22:30	3.2	252	15	5.1	0
03/09/2023 22:40	0.3	252	6	2.4	0
03/09/2023 22:50					0
03/09/2023 23:00					0
03/09/2023 23:10					0
03/09/2023 23:20	0	231	3	0.8	0
03/09/2023 23:30					0
03/09/2023 23:40					0
03/09/2023 23:50	0	264	0	0.6	0
03/10/2023 00:00	0.1	257	5	0.9	0
03/10/2023 00:10	0	257	3	0.8	0
03/10/2023 00:20	1.2	259	12	2.7	0
03/10/2023 00:30	2.6	258	17	4	0
03/10/2023 00:40	2.4	264	23	4	0
03/10/2023 00:50	2.6	260	20	4	0
03/10/2023 01:00	2.6	258	14	4	0
03/10/2023 01:10	1.8	267	25	2.8	0
03/10/2023 01:20	2.2	261	18	3.3	0
03/10/2023 01:30	2.5	260	19	3.8	0
03/10/2023 01:40	2.6	257	19	4	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/10/2023 01:50	2.6	256	20	3.8	0
03/10/2023 02:00	2.8	256	17	4	0
03/10/2023 02:10	2.7	258	19	4.6	0
03/10/2023 02:20	3.2	256	16	4.7	0
03/10/2023 02:30	3.5	249	17	5.3	0
03/10/2023 02:40	3.3	251	20	5.2	0
03/10/2023 02:50	3.1	241	17	4.3	0
03/10/2023 03:00	3.6	237	21	5.6	0
03/10/2023 03:10	3	234	17	4.8	0
03/10/2023 03:20	2.4	238	20	3.7	0
03/10/2023 03:30	2.4	243	18	3.8	0
03/10/2023 03:40	2.3	234	17	3.9	0
03/10/2023 03:50	2.1	235	19	3.6	0
03/10/2023 04:00	2.4	240	18	3.6	0
03/10/2023 04:10	2.3	243	18	3.2	0
03/10/2023 04:20	1.6	253	18	2.4	0
03/10/2023 04:30	1.3	256	12	1.9	0
03/10/2023 04:40	1	307	15	1.5	0
03/10/2023 04:50	0.9	316	24	1.5	0
03/10/2023 05:00	1	242	21	1.7	0
03/10/2023 05:10	1	244	23	1.6	0
03/10/2023 05:20	0.7	241	21	1.6	0
03/10/2023 05:30	0.7	248	41	1.5	0
03/10/2023 05:40	0.8	163	69	1.9	0
03/10/2023 05:50	1.1	259	42	2	0
03/10/2023 06:00	1.9	241	15	3.1	0
03/10/2023 06:10	1.5	250	16	2.4	0
03/10/2023 06:20	1.2	237	19	2	0
03/10/2023 06:30	1.4	256	19	2.3	0
03/10/2023 06:40	1.6	238	19	2.9	0
03/10/2023 06:50	1.2	249	20	2.4	0
03/10/2023 07:00	1.5	238	20	2.2	0
03/10/2023 07:10	1.9	226	21	2.8	0
03/10/2023 07:20	2.2	226	18	3.2	0
03/10/2023 07:30	2.4	242	16	3.4	0
03/10/2023 07:40	2.4	250	21	3.5	0
03/10/2023 07:50	2.8	243	18	4	0
03/10/2023 08:00	2.9	240	18	4	0
03/10/2023 08:10	2.7	238	23	3.9	0
03/10/2023 08:20	3	244	20	4.7	0
03/10/2023 08:30	2.9	238	20	4	0
03/10/2023 08:40	2.8	247	19	4	0
03/10/2023 08:50	2.9	242	22	4.1	0
03/10/2023 09:00	2.9	249	24	4.4	0
03/10/2023 09:10	2.8	249	19	4	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/10/2023 09:20	2.4	257	20	3.8	0
03/10/2023 09:30	2.3	243	20	4	0
03/10/2023 09:40	2.2	254	22	3.8	0
03/10/2023 09:50	2.2	257	24	3.6	0
03/10/2023 10:00	2	272	29	2.9	0
03/10/2023 10:10	2.4	253	29	4.4	0
03/10/2023 10:20	2.2	252	29	4.1	0
03/10/2023 10:30	2.2	250	23	3.3	0
03/10/2023 10:40	1.8	259	26	3.1	0
03/10/2023 10:50	2.2	238	23	3.6	0
03/10/2023 11:00	2.1	240	30	3.3	0
03/10/2023 11:10	2	287	49	3.9	0
03/10/2023 11:20	2	308	49	3.2	0
03/10/2023 11:30	2.5	320	28	3.9	0
03/10/2023 11:40	2.3	331	29	3.5	0
03/10/2023 11:50	3	335	24	4.7	0
03/10/2023 12:00	2.9	343	27	4.6	0
03/10/2023 12:10	3.1	319	19	4.6	0
03/10/2023 12:20	3.1	325	24	5.2	0
03/10/2023 12:30	2.8	327	34	4.8	0
03/10/2023 12:40	3.1	350	29	4.7	0
03/10/2023 12:50	2.8	329	29	4.6	0
03/10/2023 13:00	3.1	324	26	5.2	0
03/10/2023 13:10	3.1	329	23	5.1	0
03/10/2023 13:20	3.4	328	30	5.9	0
03/10/2023 13:30	3.4	326	27	5.1	0
03/10/2023 13:40	1.8	329	20	5.1	0
03/10/2023 13:50	3.6	339	26	6.1	0
03/10/2023 14:00	3.6	343	27	6	0
03/10/2023 14:10	3	337	26	5.6	0
03/10/2023 14:20	3.5	329	30	5.7	0
03/10/2023 14:30	3.2	336	32	5.5	0
03/10/2023 14:40	3.3	338	32	5.3	0
03/10/2023 14:50	3	342	22	5.9	0
03/10/2023 15:00	2.1	332	17	5.5	0
03/10/2023 15:10					0
03/10/2023 15:20					0
03/10/2023 15:30					0
03/10/2023 15:40					0
03/10/2023 15:50					0
03/10/2023 16:00					0
03/10/2023 16:10					0
03/10/2023 16:20					0
03/10/2023 16:30					0
03/10/2023 16:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/10/2023 16:50					0
03/10/2023 17:00					0
03/10/2023 17:10					0
03/10/2023 17:20					0
03/10/2023 17:30					0
03/10/2023 17:40					0
03/10/2023 17:50					0
03/10/2023 18:00					0
03/10/2023 18:10					0
03/10/2023 18:20					0
03/10/2023 18:30					0
03/10/2023 18:40					0
03/10/2023 18:50					0
03/10/2023 19:00					0
03/10/2023 19:10					0
03/10/2023 19:20					0
03/10/2023 19:30					0
03/10/2023 19:40					0
03/10/2023 19:50					0
03/10/2023 20:00					0
03/10/2023 20:10					0
03/10/2023 20:20					0
03/10/2023 20:30					0
03/10/2023 20:40					0
03/10/2023 20:50					0
03/10/2023 21:00					0
03/10/2023 21:10					0
03/10/2023 21:20					0
03/10/2023 21:30					0
03/10/2023 21:40					0
03/10/2023 21:50					0
03/10/2023 22:00					0
03/10/2023 22:10					0
03/10/2023 22:20					0
03/10/2023 22:30					0
03/10/2023 22:40					0
03/10/2023 22:50					0
03/10/2023 23:00					0
03/10/2023 23:10					0
03/10/2023 23:20					0
03/10/2023 23:30					0
03/10/2023 23:40					0
03/10/2023 23:50					0
03/11/2023 00:00					0
03/11/2023 00:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/11/2023 00:20					0
03/11/2023 00:30					0
03/11/2023 00:40					0
03/11/2023 00:50					0
03/11/2023 01:00					0
03/11/2023 01:10					0
03/11/2023 01:20					0
03/11/2023 01:30					0
03/11/2023 01:40					0
03/11/2023 01:50					0
03/11/2023 02:00					0
03/11/2023 02:10					0
03/11/2023 02:20					0
03/11/2023 02:30					0
03/11/2023 02:40					0
03/11/2023 02:50					0
03/11/2023 03:00					0
03/11/2023 03:10					0
03/11/2023 03:20					0
03/11/2023 03:30					0
03/11/2023 03:40					0
03/11/2023 03:50					0
03/11/2023 04:00					0
03/11/2023 04:10					0
03/11/2023 04:20					0
03/11/2023 04:30					0
03/11/2023 04:40					0
03/11/2023 04:50					0
03/11/2023 05:00					0
03/11/2023 05:10					0
03/11/2023 05:20					0
03/11/2023 05:30					0
03/11/2023 05:40					0
03/11/2023 05:50					0
03/11/2023 06:00					0
03/11/2023 06:10					0
03/11/2023 06:20					0
03/11/2023 06:30					0
03/11/2023 06:40					0
03/11/2023 06:50					0
03/11/2023 07:00					0
03/11/2023 07:10					0
03/11/2023 07:20					0
03/11/2023 07:30					0
03/11/2023 07:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/11/2023 07:50					0
03/11/2023 08:00					0
03/11/2023 08:10					0
03/11/2023 08:20					0
03/11/2023 08:30					0
03/11/2023 08:40					0
03/11/2023 08:50					0
03/11/2023 09:00					0
03/11/2023 09:10					0
03/11/2023 09:20					0
03/11/2023 09:30					0
03/11/2023 09:40					0
03/11/2023 09:50					0
03/11/2023 10:00					0
03/11/2023 10:10					0
03/11/2023 10:20					0
03/11/2023 10:30					0
03/11/2023 10:40					0
03/11/2023 10:50					0
03/11/2023 11:00					0
03/11/2023 11:10					0
03/11/2023 11:20					0
03/11/2023 11:30					0
03/11/2023 11:40					0
03/11/2023 11:50					0
03/11/2023 12:00					0
03/11/2023 12:10					0
03/11/2023 12:20					0
03/11/2023 12:30					0
03/11/2023 12:40					0
03/11/2023 12:50					0
03/11/2023 13:00					0
03/11/2023 13:10					0
03/11/2023 13:20					0
03/11/2023 13:30					0
03/11/2023 13:40					0
03/11/2023 13:50					0
03/11/2023 14:00					0
03/11/2023 14:10					0
03/11/2023 14:20					0
03/11/2023 14:30					0
03/11/2023 14:40					0
03/11/2023 14:50					0
03/11/2023 15:00					0
03/11/2023 15:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/11/2023 15:20					0
03/11/2023 15:30					0
03/11/2023 15:40					0
03/11/2023 15:50					0
03/11/2023 16:00					0
03/11/2023 16:10					0
03/11/2023 16:20					0
03/11/2023 16:30					0
03/11/2023 16:40					0
03/11/2023 16:50	0	237	3	0.6	0
03/11/2023 17:00	0	216	0	0.4	0
03/11/2023 17:10					0
03/11/2023 17:20	0	246	1	1.6	0
03/11/2023 17:30	0.1	252	6	4.9	0
03/11/2023 17:40					0
03/11/2023 17:50					0
03/11/2023 18:00					0
03/11/2023 18:10					0
03/11/2023 18:20					0
03/11/2023 18:30	2.2	261	16	4.5	0
03/11/2023 18:40	1.3	273	11	5.4	0
03/11/2023 18:50					0
03/11/2023 19:00	0	258	0	0.4	0
03/11/2023 19:10					0
03/11/2023 19:20	0	281	0	0.4	0
03/11/2023 19:30					0
03/11/2023 19:40					0
03/11/2023 19:50					0
03/11/2023 20:00					0
03/11/2023 20:10	0	281	0	0.4	0
03/11/2023 20:20					0
03/11/2023 20:30					0
03/11/2023 20:40	0	259	4	0.8	0
03/11/2023 20:50	0	263	0	0.4	0
03/11/2023 21:00					0
03/11/2023 21:10					0
03/11/2023 21:20					0
03/11/2023 21:30					0
03/11/2023 21:40					0
03/11/2023 21:50					0
03/11/2023 22:00	0.1	261	7	1.9	0
03/11/2023 22:10	0	255	4	0.8	0
03/11/2023 22:20	0	231	0	0.4	0
03/11/2023 22:30	0	265	2	0.7	0
03/11/2023 22:40	0.2	261	5	2.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/11/2023 22:50	1.2	259	7	3.7	0
03/11/2023 23:00	3.4	262	16	5	0
03/11/2023 23:10	3.6	265	15	5.4	0
03/11/2023 23:20	3.3	262	18	4.9	0
03/11/2023 23:30	3.5	256	17	5	0
03/11/2023 23:40	3.4	260	16	5.5	0
03/11/2023 23:50	3.5	259	19	5.1	0
03/12/2023 00:00	3.1	259	17	4.4	0
03/12/2023 00:10	2.7	257	18	4.5	0
03/12/2023 00:20	2.8	253	17	4.2	0
03/12/2023 00:30	3.3	254	17	4.9	0
03/12/2023 00:40	2.8	252	17	4	0
03/12/2023 00:50	2.4	253	18	3.4	0
03/12/2023 01:00	2.8	257	13	4	0
03/12/2023 01:10	2.7	256	15	4	0
03/12/2023 01:20	2.3	251	16	3.2	0
03/12/2023 01:30	2.3	255	15	3.5	0
03/12/2023 01:40	2.5	247	18	3.6	0
03/12/2023 01:50	2.6	258	17	4.3	0
03/12/2023 02:00	3.3	260	13	4.7	0
03/12/2023 02:10	3.2	258	15	4.7	0
03/12/2023 02:20	3.3	263	15	5	0
03/12/2023 02:30	3.5	264	13	4.8	0
03/12/2023 02:40	3.6	265	12	4.9	0
03/12/2023 02:50	3.3	265	15	4.5	0
03/12/2023 03:00	3.5	265	15	4.8	0
03/12/2023 03:10	3.4	264	13	4.9	0
03/12/2023 03:20	3.2	268	16	4.8	0
03/12/2023 03:30	3	274	20	4.4	0
03/12/2023 03:40	2.9	269	19	4.5	0
03/12/2023 03:50	2.6	273	19	3.9	0
03/12/2023 04:00	2.9	269	16	4.3	0
03/12/2023 04:10	2.8	271	18	4.4	0
03/12/2023 04:20	2.5	271	18	3.7	0
03/12/2023 04:30	2.6	271	18	4	0
03/12/2023 04:40	2.4	279	19	3.6	0
03/12/2023 04:50	2.6	279	19	3.8	0
03/12/2023 05:00	2.7	267	16	3.5	0
03/12/2023 05:10	2.4	264	15	3.6	0
03/12/2023 05:20	2.3	276	23	3.6	0
03/12/2023 05:30	2.5	265	15	3.5	0
03/12/2023 05:40	2.4	271	19	3.6	0
03/12/2023 05:50	2.3	264	23	3.2	0
03/12/2023 06:00	2.3	276	22	3.2	0
03/12/2023 06:10	2.5	284	15	3.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/12/2023 06:20	2.8	267	15	3.7	0
03/12/2023 06:30	2.4	278	19	3.4	0
03/12/2023 06:40	2.1	272	17	3.1	0
03/12/2023 06:50	2.1	290	22	2.9	0
03/12/2023 07:00	1.7	273	19	2.6	0
03/12/2023 07:10	1.9	259	14	2.7	0
03/12/2023 07:20	1.5	245	28	2.4	0
03/12/2023 07:30	1.3	255	28	1.7	0
03/12/2023 07:40	1.4	201	21	2	0
03/12/2023 07:50	1.5	241	21	2	0
03/12/2023 08:00	1	262	31	1.7	0
03/12/2023 08:10	0.9	242	57	1.6	0
03/12/2023 08:20	0.8	184	51	1.6	0
03/12/2023 08:30	1.4	171	28	2.2	0
03/12/2023 08:40	1.3	135	28	2.2	0
03/12/2023 08:50	1.2	137	32	1.9	0
03/12/2023 09:00	1.5	108	32	2.4	0
03/12/2023 09:10	1.5	124	31	2.7	0
03/12/2023 09:20	1.3	127	28	2.1	0
03/12/2023 09:30	1.3	112	29	2.1	0
03/12/2023 09:40	1.5	101	27	2.6	0
03/12/2023 09:50	1.4	99	31	2.5	0
03/12/2023 10:00	1.4	95	29	2.7	0
03/12/2023 10:10	1.7	76	27	3	0
03/12/2023 10:20	1.9	68	25	2.8	0
03/12/2023 10:30	1.9	76	27	3.4	0
03/12/2023 10:40	1.6	87	36	3.3	0
03/12/2023 10:50	2.2	58	25	3.7	0
03/12/2023 11:00	2.1	59	25	3.5	0
03/12/2023 11:10	2.4	65	22	3.7	0
03/12/2023 11:20	2.4	66	26	3.8	0
03/12/2023 11:30	2.4	59	23	4	0
03/12/2023 11:40	2.5	60	25	4.4	0
03/12/2023 11:50	3	47	22	4.6	0
03/12/2023 12:00	3	51	19	5.2	0
03/12/2023 12:10	3.1	53	18	4.7	0
03/12/2023 12:20	2.8	60	22	4.7	0
03/12/2023 12:30	2.7	66	22	4.7	0
03/12/2023 12:40	2.8	51	21	4.5	0
03/12/2023 12:50	3.2	57	20	4.8	0
03/12/2023 13:00	3.2	55	20	5.2	0
03/12/2023 13:10	3.3	58	20	4.8	0
03/12/2023 13:20	2	53	15	5	0
03/12/2023 13:30					0
03/12/2023 13:40					0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/12/2023 13:50					0
03/12/2023 14:00					0
03/12/2023 14:10					0
03/12/2023 14:20					0
03/12/2023 14:30					0
03/12/2023 14:40					0
03/12/2023 14:50					0
03/12/2023 15:00					0
03/12/2023 15:10					0
03/12/2023 15:20					0
03/12/2023 15:30					0
03/12/2023 15:40					0
03/12/2023 15:50					0
03/12/2023 16:00					0
03/12/2023 16:10					0
03/12/2023 16:20					0
03/12/2023 16:30					0
03/12/2023 16:40					0
03/12/2023 16:50					0
03/12/2023 17:00					0
03/12/2023 17:10					0
03/12/2023 17:20					0
03/12/2023 17:30					0
03/12/2023 17:40					0
03/12/2023 17:50	0.1	311	7	1.2	0
03/12/2023 18:00	0	333	4	0.6	0
03/12/2023 18:10	0	321	2	1.2	0
03/12/2023 18:20	1.5	325	15	3.4	0
03/12/2023 18:30	3	323	21	5.1	0
03/12/2023 18:40	2.6	319	28	4.2	0
03/12/2023 18:50	2.5	307	45	4.5	0
03/12/2023 19:00	2.3	308	39	3.9	0
03/12/2023 19:10	1.8	271	38	3.4	0
03/12/2023 19:20	2.3	258	27	3.6	0
03/12/2023 19:30	2.4	264	24	3.8	0
03/12/2023 19:40	2.1	262	27	4	0
03/12/2023 19:50	2.4	261	22	4	0
03/12/2023 20:00	2	262	20	3.6	0
03/12/2023 20:10	2.5	257	15	3.8	0
03/12/2023 20:20	2.9	257	14	4.1	0
03/12/2023 20:30	2.4	256	15	3.6	0
03/12/2023 20:40	2.5	257	15	3.5	0
03/12/2023 20:50	2.5	262	17	3.8	0
03/12/2023 21:00	2.8	261	15	4.3	0
03/12/2023 21:10	2.4	263	16	3.8	0



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/12/2023 21:20	2.2	260	18	3.2	0
03/12/2023 21:30	2.1	261	15	3.5	0
03/12/2023 21:40	2.2	260	17	3.4	0
03/12/2023 21:50	2	263	19	3.2	0
03/12/2023 22:00	2.1	264	15	3.2	0
03/12/2023 22:10	2	265	16	3.2	0
03/12/2023 22:20	2.3	258	17	3.2	0
03/12/2023 22:30	2.3	259	14	3.5	0
03/12/2023 22:40	1.9	268	18	2.8	0
03/12/2023 22:50	1.6	274	21	2.8	0
03/12/2023 23:00	1.5	277	22	2.7	0
03/12/2023 23:10	1.6	271	19	2.5	0
03/12/2023 23:20	0.9	273	30	1.7	0
03/12/2023 23:30	1	264	28	2	0
03/12/2023 23:40	1.5	258	17	2.2	0
03/12/2023 23:50	1.7	261	19	2.4	0
13/03/2023 00:00	1.8	258	18	2.9	0
13/03/2023 00:10	0.4	253	24	1.3	0
13/03/2023 00:20	0.9	255	14	1.2	0
13/03/2023 00:30	1.2	259	10	1.5	0
13/03/2023 00:40	1.2	255	15	1.8	0
13/03/2023 00:50	2	237	14	2.9	0
13/03/2023 01:00	1.6	261	16	2.3	0
13/03/2023 01:10	1.4	272	18	2	0
13/03/2023 01:20	1.5	257	12	1.9	0
13/03/2023 01:30	1.4	268	12	1.8	0
13/03/2023 01:40	0.9	276	24	1.6	0
13/03/2023 01:50	0.4	327	14	0.9	0
13/03/2023 02:00	0.5	273	9	0.9	0
13/03/2023 02:10	0.7	276	16	1.2	0
13/03/2023 02:20	0.5	292	21	1.1	0
13/03/2023 02:30	0.5	295	24	1.1	0
13/03/2023 02:40	0.3	306	18	0.8	0
13/03/2023 02:50	0.7	291	14	1.1	0
13/03/2023 03:00	1	265	20	1.8	0
13/03/2023 03:10	0.1	248	5	1.1	0
13/03/2023 03:20					0
13/03/2023 03:30	0.6	248	8	1	0
13/03/2023 03:40	0.3	284	7	0.7	0
13/03/2023 03:50					0
13/03/2023 04:00	0	7	0	1.1	0
13/03/2023 04:10	0.7	173	28	1.2	0
13/03/2023 04:20	0.4	350	15	1.1	0
13/03/2023 04:30	0.2	302	14	0.8	0
13/03/2023 04:40	1.1	326	15	1.6	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/03/2023 04:50	0.7	328	14	1.2	0
13/03/2023 05:00	1	341	23	1.6	0
13/03/2023 05:10	0.4	183	20	1.3	0
13/03/2023 05:20	0.2	58	10	0.8	0
13/03/2023 05:30	0	33	2	0.6	0
13/03/2023 05:40	0.1	36	10	0.6	0
13/03/2023 05:50	0.5	31	13	1.4	0
13/03/2023 06:00	1.1	37	20	1.8	0
13/03/2023 06:10	0.6	21	16	1.6	0
13/03/2023 06:20	1	22	23	1.7	0
13/03/2023 06:30	1.1	346	22	2	0
13/03/2023 06:40	0.8	187	28	1.7	0
13/03/2023 06:50	0.9	27	24	1.9	0
13/03/2023 07:00	1	17	26	1.9	0
13/03/2023 07:10	1.7	33	26	3.1	0
13/03/2023 07:20	1.8	10	24	2.8	0
13/03/2023 07:30	1.8	16	25	3.2	0
13/03/2023 07:40	1.6	16	32	2.6	0
13/03/2023 07:50	1.8	12	25	2.8	0
13/03/2023 08:00	1.7	183	32	3	0
13/03/2023 08:10	1.8	6	30	3	0
13/03/2023 08:20	1.5	14	27	2.4	0
13/03/2023 08:30	1.5	182	40	2.4	0
13/03/2023 08:40	0.9	164	33	2.1	0
13/03/2023 08:50	0	360	0	0.6	0
13/03/2023 09:00	0	295	0	0.4	0
13/03/2023 09:10					0
13/03/2023 09:20					0
13/03/2023 09:30					0
13/03/2023 09:40					0
13/03/2023 09:50					0
13/03/2023 10:00					0
13/03/2023 10:10					0
13/03/2023 10:20					0
13/03/2023 10:30					0
13/03/2023 10:40					0
13/03/2023 10:50	0	80	0	0.4	0
13/03/2023 11:00					0
13/03/2023 11:10					0
13/03/2023 11:20					0
13/03/2023 11:30					0
13/03/2023 11:40	0	63	0	0.4	0
13/03/2023 11:50					0
13/03/2023 12:00	0	63	0	0.9	0
13/03/2023 12:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/03/2023 12:20	0	59	1	0.9	0
13/03/2023 12:30					0
13/03/2023 12:40	0	186	8	0.9	0
13/03/2023 12:50					0
13/03/2023 13:00					0
13/03/2023 13:10					0
13/03/2023 13:20					0
13/03/2023 13:30					0
13/03/2023 13:40					0
13/03/2023 13:50					0
13/03/2023 14:00					0
13/03/2023 14:10					0
13/03/2023 14:20					0
13/03/2023 14:30					0
13/03/2023 14:40					0
13/03/2023 14:50					0
13/03/2023 15:00	0	331	0	1.6	0
13/03/2023 15:10					0
13/03/2023 15:20					0
13/03/2023 15:30					0
13/03/2023 15:40					0
13/03/2023 15:50					0
13/03/2023 16:00					0
13/03/2023 16:10					0
13/03/2023 16:20					0
13/03/2023 16:30					0
13/03/2023 16:40					0
13/03/2023 16:50					0
13/03/2023 17:00					0
13/03/2023 17:10					0
13/03/2023 17:20	0.1	324	1	1.8	0
13/03/2023 17:30	0	322	1	1.2	0
13/03/2023 17:40	0	339	1	2.1	0
13/03/2023 17:50					0
13/03/2023 18:00	0	332	0	0.4	0
13/03/2023 18:10					0
13/03/2023 18:20					0
13/03/2023 18:30					0
13/03/2023 18:40					0
13/03/2023 18:50					0
13/03/2023 19:00					0
13/03/2023 19:10					0
13/03/2023 19:20					0
13/03/2023 19:30					0
13/03/2023 19:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/03/2023 19:50					0
13/03/2023 20:00					0
13/03/2023 20:10					0
13/03/2023 20:20					0
13/03/2023 20:30					0
13/03/2023 20:40					0
13/03/2023 20:50	2	262	29	3.2	0
13/03/2023 21:00	0.7	263	16	2.2	0
13/03/2023 21:10					0
13/03/2023 21:20					0
13/03/2023 21:30					0
13/03/2023 21:40	0	328	0	0.4	0
13/03/2023 21:50	0.6	274	20	3.3	0
13/03/2023 22:00	2.3	262	20	3.6	0
13/03/2023 22:10	2.6	258	15	4.1	0
13/03/2023 22:20	2.4	264	16	3.9	0
13/03/2023 22:30	2.6	260	20	4.3	0
13/03/2023 22:40	3.5	255	16	5	0
13/03/2023 22:50	2.9	257	16	4.4	0
13/03/2023 23:00	2.8	256	17	3.9	0
13/03/2023 23:10	3.2	254	15	4.6	0
13/03/2023 23:20	3	255	16	4.5	0
13/03/2023 23:30	2.9	256	14	4.2	0
13/03/2023 23:40	3.2	253	16	4.4	0
13/03/2023 23:50	2.7	252	19	4.1	0
14/03/2023 00:00	2.9	251	16	4	0
14/03/2023 00:10	2.7	244	17	3.9	0
14/03/2023 00:20	2.4	238	18	3.7	0
14/03/2023 00:30	2.3	237	15	3.6	0
14/03/2023 00:40	2.3	236	17	3.4	0
14/03/2023 00:50	2	230	18	3.3	0
14/03/2023 01:00	1.8	233	21	3.3	0
14/03/2023 01:10	2.3	242	16	3.3	0
14/03/2023 01:20	2.4	231	18	3.3	0
14/03/2023 01:30	2.9	236	13	3.9	0
14/03/2023 01:40	2.7	234	17	3.8	0
14/03/2023 01:50	2.8	231	15	3.9	0
14/03/2023 02:00	2.8	237	15	3.9	0
14/03/2023 02:10	2.7	238	18	4	0
14/03/2023 02:20	2.3	239	20	3.6	0
14/03/2023 02:30	2.4	241	19	3.6	0
14/03/2023 02:40	2.4	238	19	3.6	0
14/03/2023 02:50	2.3	243	16	3.5	0
14/03/2023 03:00	2.3	241	20	3.4	0
14/03/2023 03:10	2.5	239	17	3.7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/03/2023 03:20	2.5	236	15	3.9	0
14/03/2023 03:30	2.3	239	21	3.8	0
14/03/2023 03:40	2.7	239	16	4.3	0
14/03/2023 03:50	2.8	236	19	4.1	0
14/03/2023 04:00	2.8	236	17	4.1	0
14/03/2023 04:10	2.7	238	14	4.4	0
14/03/2023 04:20	2.7	242	17	4.1	0
14/03/2023 04:30	2.1	234	20	3.3	0
14/03/2023 04:40	2.5	242	19	3.8	0
14/03/2023 04:50	2.5	239	20	3.8	0
14/03/2023 05:00	2.3	238	14	3.2	0
14/03/2023 05:10	1.7	245	18	2.7	0
14/03/2023 05:20	1.7	256	14	2.4	0
14/03/2023 05:30	1.9	260	15	2.7	0
14/03/2023 05:40	1.6	260	16	2.1	0
14/03/2023 05:50	1.7	264	13	2.3	0
14/03/2023 06:00	1.3	265	15	1.9	0
14/03/2023 06:10	1.5	260	12	2	0
14/03/2023 06:20	1.6	260	14	2.1	0
14/03/2023 06:30	1.1	230	19	1.6	0
14/03/2023 06:40	1	193	19	1.2	0
14/03/2023 06:50	0.4	143	23	0.8	0
14/03/2023 07:00	0.5	217	9	1.2	0
14/03/2023 07:10	1.3	215	18	2	0
14/03/2023 07:20	1.8	255	18	2.5	0
14/03/2023 07:30	1.4	269	22	2.1	0
14/03/2023 07:40	1.3	269	20	2	0
14/03/2023 07:50	1.1	267	21	2.1	0
14/03/2023 08:00	0	261	1	0.4	0
14/03/2023 08:10	0	224	0	0.4	0
14/03/2023 08:20	0	279	0	0.4	0
14/03/2023 08:30	0.7	322	57	1.4	0
14/03/2023 08:40	1.3	262	37	2	0
14/03/2023 08:50	0.8	170	42	1.5	0
14/03/2023 09:00	1.1	95	48	2.3	0
14/03/2023 09:10	1.6	64	23	2.8	0
14/03/2023 09:20	1.9	67	25	3.2	0
14/03/2023 09:30	1.9	68	23	2.9	0
14/03/2023 09:40	1.6	39	35	2.8	0
14/03/2023 09:50	1.6	42	30	2.8	0
14/03/2023 10:00	1.2	52	32	2	0
14/03/2023 10:10	1.8	76	32	3.2	0
14/03/2023 10:20	2.1	62	22	3.2	0
14/03/2023 10:30	2.1	75	25	3.4	0
14/03/2023 10:40	2.1	65	25	3.4	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/03/2023 10:50	2.1	74	27	3.4	0
14/03/2023 11:00	2	67	23	3	0
14/03/2023 11:10	2	66	25	3.3	0
14/03/2023 11:20	1.9	72	24	3.2	0
14/03/2023 11:30	2.1	58	27	3.2	0
14/03/2023 11:40	2.2	67	25	3.4	0
14/03/2023 11:50	2.3	63	22	4.2	0
14/03/2023 12:00	2.5	5	43	4.3	0
14/03/2023 12:10	2.5	8	28	3.9	0
14/03/2023 12:20	2.6	9	28	4.2	0
14/03/2023 12:30	2.4	11	28	3.7	0
14/03/2023 12:40	2.6	182	33	4.2	0
14/03/2023 12:50	2.4	7	35	4.3	0
14/03/2023 13:00	2.8	167	28	4.8	0
14/03/2023 13:10	2.8	183	28	4.8	0
14/03/2023 13:20	3	12	33	4.8	0
14/03/2023 13:30	2.5	16	26	5.5	0
14/03/2023 13:40					0
14/03/2023 13:50					0
14/03/2023 14:00					0
14/03/2023 14:10					0
14/03/2023 14:20					0
14/03/2023 14:30					0
14/03/2023 14:40					0
14/03/2023 14:50					0
14/03/2023 15:00					0
14/03/2023 15:10					0
14/03/2023 15:20					0
14/03/2023 15:30					0
14/03/2023 15:40					0
14/03/2023 15:50					0
14/03/2023 16:00					0
14/03/2023 16:10					0
14/03/2023 16:20					0
14/03/2023 16:30					0
14/03/2023 16:40					0
14/03/2023 16:50					0
14/03/2023 17:00					0
14/03/2023 17:10					0
14/03/2023 17:20					0
14/03/2023 17:30					0
14/03/2023 17:40					0
14/03/2023 17:50					0
14/03/2023 18:00					0
14/03/2023 18:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/03/2023 18:20					0
14/03/2023 18:30	0	270	0	0.4	0
14/03/2023 18:40					0
14/03/2023 18:50	0	253	6	0.4	0
14/03/2023 19:00	0	279	6	0.4	0
14/03/2023 19:10	0	242	0	0.4	0
14/03/2023 19:20					0
14/03/2023 19:30					0
14/03/2023 19:40	0	248	1	0.4	0
14/03/2023 19:50					0
14/03/2023 20:00					0
14/03/2023 20:10					0
14/03/2023 20:20	0	264	0	0.4	0
14/03/2023 20:30	0.1	259	6	0.6	0
14/03/2023 20:40					0
14/03/2023 20:50					0
14/03/2023 21:00					0
14/03/2023 21:10					0
14/03/2023 21:20					0
14/03/2023 21:30					0
14/03/2023 21:40					0
14/03/2023 21:50					0
14/03/2023 22:00					0
14/03/2023 22:10					0
14/03/2023 22:20					0
14/03/2023 22:30					0
14/03/2023 22:40	0	254	3	0.8	0
14/03/2023 22:50					0
14/03/2023 23:00					0
14/03/2023 23:10					0
14/03/2023 23:20					0
14/03/2023 23:30	0	211	0	0.4	0
14/03/2023 23:40					0
14/03/2023 23:50	0	226	1	0.6	0
15/03/2023 00:00					0
15/03/2023 00:10	0.1	231	4	0.9	0
15/03/2023 00:20	0.2	229	11	1.4	0
15/03/2023 00:30	0	246	4	0.9	0
15/03/2023 00:40					0
15/03/2023 00:50	0	247	0	0.4	0
15/03/2023 01:00	0.3	242	9	1.9	0
15/03/2023 01:10	1.9	242	19	3	0
15/03/2023 01:20	1.9	241	15	2.8	0
15/03/2023 01:30	2.1	234	14	3.2	0
15/03/2023 01:40	1.9	234	17	2.8	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/03/2023 01:50	2	227	17	3	0
15/03/2023 02:00	1.9	230	15	2.8	0
15/03/2023 02:10	1.8	232	16	2.7	0
15/03/2023 02:20	1.9	227	14	2.9	0
15/03/2023 02:30	2	233	17	2.7	0
15/03/2023 02:40	2	240	19	3.1	0
15/03/2023 02:50	1.7	248	16	2.8	0
15/03/2023 03:00	1.6	247	17	2.4	0
15/03/2023 03:10	1.9	252	16	2.5	0
15/03/2023 03:20	2.3	250	16	3.4	0
15/03/2023 03:30	2.4	244	16	3.5	0
15/03/2023 03:40	2.4	244	15	3.2	0
15/03/2023 03:50	2	252	18	3	0
15/03/2023 04:00	1.9	240	17	2.7	0
15/03/2023 04:10	1.9	240	18	2.8	0
15/03/2023 04:20	2.1	238	16	3.4	0
15/03/2023 04:30	1.7	237	17	2.5	0
15/03/2023 04:40	1.6	234	15	2.3	0
15/03/2023 04:50	2	242	17	2.8	0
15/03/2023 05:00	2.1	235	17	2.9	0
15/03/2023 05:10	2.1	238	18	3.2	0
15/03/2023 05:20	1.5	251	19	2.4	0
15/03/2023 05:30	1.6	248	16	2.7	0
15/03/2023 05:40	1.8	253	16	2.9	0
15/03/2023 05:50	2.3	239	16	3.3	0
15/03/2023 06:00	2	239	16	3.1	0
15/03/2023 06:10	2.2	238	15	3.4	0
15/03/2023 06:20	2.1	238	18	3.2	0
15/03/2023 06:30	1.7	249	18	2.3	0
15/03/2023 06:40	1.7	254	20	2.6	0
15/03/2023 06:50	1.9	244	20	2.8	0
15/03/2023 07:00	2.2	240	17	3.2	0
15/03/2023 07:10	2.4	236	16	3.3	0
15/03/2023 07:20	2.5	240	18	3.8	0
15/03/2023 07:30	2.4	239	21	3.7	0
15/03/2023 07:40	2.1	243	18	3.1	0
15/03/2023 07:50	1.8	265	19	2.7	0
15/03/2023 08:00	1.7	262	28	2.5	0
15/03/2023 08:10	2.1	221	20	3.2	0
15/03/2023 08:20	2.1	209	20	3.2	0
15/03/2023 08:30	2.3	218	22	3.2	0
15/03/2023 08:40	1.6	276	30	2.9	0
15/03/2023 08:50	1	308	35	1.6	0
15/03/2023 09:00	0.9	80	36	1.9	0
15/03/2023 09:10	1.1	158	38	2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/03/2023 09:20	1.2	138	39	2.3	0
15/03/2023 09:30	1.1	113	34	1.9	0
15/03/2023 09:40	1.4	113	34	2.1	0
15/03/2023 09:50	1.3	97	51	2.3	0
15/03/2023 10:00	1.7	122	28	2.9	0
15/03/2023 10:10	1.3	128	38	2.6	0
15/03/2023 10:20	1.1	142	47	1.8	0
15/03/2023 10:30	1.2	95	39	2.2	0
15/03/2023 10:40	1.2	102	50	2.1	0
15/03/2023 10:50	1.5	148	57	2.5	0
15/03/2023 11:00	2	331	28	3.4	0
15/03/2023 11:10	1.9	322	25	2.8	0
15/03/2023 11:20	2.3	335	30	3.8	0
15/03/2023 11:30	2.1	340	32	3.2	0
15/03/2023 11:40	2.1	329	34	3.6	0
15/03/2023 11:50	2.3	342	26	3.6	0
15/03/2023 12:00	2.3	331	23	3.8	0
15/03/2023 12:10	2.2	330	39	3.8	0
15/03/2023 12:20	2.1	339	31	3.3	0
15/03/2023 12:30	2.1	325	24	3.5	0
15/03/2023 12:40	2.4	332	27	3.7	0
15/03/2023 12:50	2.5	339	32	4.2	0
15/03/2023 13:00	3	320	27	5.1	0
15/03/2023 13:10	2.8	327	30	4.5	0
15/03/2023 13:20	2.9	344	28	4.8	0
15/03/2023 13:30	3.4	315	19	5.2	0
15/03/2023 13:40	3	334	32	5.2	0
15/03/2023 13:50	3.2	338	33	5.4	0
15/03/2023 14:00	3	344	29	5.3	0
15/03/2023 14:10	3.1	339	30	5.1	0
15/03/2023 14:20	3.3	330	26	5.2	0
15/03/2023 14:30	3.2	337	28	4.7	0
15/03/2023 14:40	3.1	331	31	4.8	0
15/03/2023 14:50	3.5	342	27	5.6	0
15/03/2023 15:00	3.3	327	23	5.7	0
15/03/2023 15:10	3.3	346	28	5.1	0
15/03/2023 15:20	3	326	31	5.6	0
15/03/2023 15:30	3.3	337	32	4.9	0
15/03/2023 15:40	3	322	23	5.1	0
15/03/2023 15:50	2.9	328	31	5.6	0
15/03/2023 16:00	3.1	321	28	4.7	0
15/03/2023 16:10	3.3	320	26	5.2	0
15/03/2023 16:20	3.1	322	26	4.9	0
15/03/2023 16:30	3.2	323	23	5.2	0
15/03/2023 16:40	3.2	322	24	5.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/03/2023 16:50	3.2	319	19	4.6	0
15/03/2023 17:00	2.9	320	22	5.2	0
15/03/2023 17:10	3.3	326	20	5.1	0
15/03/2023 17:20	2.9	317	29	4.4	0
15/03/2023 17:30	2.5	316	33	4.4	0
15/03/2023 17:40	2.3	301	40	4.3	0
15/03/2023 17:50	2.2	290	38	3.6	0
15/03/2023 18:00	2	277	35	3.6	0
15/03/2023 18:10	1.8	290	39	3.2	0
15/03/2023 18:20	1.8	276	36	3.9	0
15/03/2023 18:30	2.7	260	19	3.8	0
15/03/2023 18:40	2.4	265	20	3.6	0
15/03/2023 18:50	2.6	263	20	3.8	0
15/03/2023 19:00	2.3	264	18	3.1	0
15/03/2023 19:10	2.1	267	19	3.2	0
15/03/2023 19:20	2.3	256	20	3.5	0
15/03/2023 19:30	2.2	259	17	3.4	0
15/03/2023 19:40	2.4	251	18	3.2	0
15/03/2023 19:50	2.4	251	20	3.4	0
15/03/2023 20:00	2.4	256	17	3.5	0
15/03/2023 20:10	2.2	251	15	3.6	0
15/03/2023 20:20	2.3	248	14	3.4	0
15/03/2023 20:30	2.1	257	18	3.2	0
15/03/2023 20:40	2.3	250	16	3.3	0
15/03/2023 20:50	2.2	250	16	3.6	0
15/03/2023 21:00	2.9	247	14	4	0
15/03/2023 21:10	2.9	249	15	4	0
15/03/2023 21:20	2.7	250	16	3.7	0
15/03/2023 21:30	2.8	257	18	4	0
15/03/2023 21:40	2.6	253	17	3.6	0
15/03/2023 21:50	2.8	251	14	3.6	0
15/03/2023 22:00	2.9	249	14	4	0
15/03/2023 22:10	2.5	254	14	3.6	0
15/03/2023 22:20	2.9	253	17	4	0
15/03/2023 22:30	2.8	250	14	3.9	0
15/03/2023 22:40	2.7	246	17	3.7	0
15/03/2023 22:50	2.5	253	16	4	0
15/03/2023 23:00	2.5	256	16	3.5	0
15/03/2023 23:10	2.7	254	15	4	0
15/03/2023 23:20	2.4	256	18	3.6	0
15/03/2023 23:30	2.4	245	17	3.6	0
15/03/2023 23:40	2.5	254	17	3.5	0
15/03/2023 23:50	3.1	256	16	4.4	0
16/03/2023 00:00	3	252	15	4.8	0
16/03/2023 00:10	3.4	254	15	5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/03/2023 00:20	3.1	251	17	4.7	0
16/03/2023 00:30	3	253	16	4.1	0
16/03/2023 00:40	1.9	243	20	3.1	0
16/03/2023 00:50	2.6	240	20	4.2	0
16/03/2023 01:00	2.6	245	19	4	0
16/03/2023 01:10	2.2	246	17	3.1	0
16/03/2023 01:20	2.5	251	16	3.8	0
16/03/2023 01:30	2.5	243	15	3.6	0
16/03/2023 01:40	2.6	239	16	3.8	0
16/03/2023 01:50	2.3	257	14	3.1	0
16/03/2023 02:00	2.5	255	16	3.6	0
16/03/2023 02:10	2.3	260	17	3.4	0
16/03/2023 02:20	2.4	255	17	4	0
16/03/2023 02:30	2.1	248	20	3.3	0
16/03/2023 02:40	2.6	236	16	3.9	0
16/03/2023 02:50	2.9	237	16	4.5	0
16/03/2023 03:00	3.2	240	17	4.9	0
16/03/2023 03:10	2.6	241	19	4.1	0
16/03/2023 03:20	3.1	235	17	4.8	0
16/03/2023 03:30	3.6	234	16	4.9	0
16/03/2023 03:40	3.8	241	19	5.1	0
16/03/2023 03:50	3.8	239	16	5.6	0
16/03/2023 04:00	3.8	238	17	5.2	0
16/03/2023 04:10	3.8	237	18	6	0
16/03/2023 04:20	4.2	239	18	6.7	0
16/03/2023 04:30	3.7	238	17	5.8	0
16/03/2023 04:40	3.3	240	19	5.2	0
16/03/2023 04:50	2.9	243	16	4.4	0
16/03/2023 05:00	3.2	245	17	4.8	0
16/03/2023 05:10	3.3	242	15	5.2	0
16/03/2023 05:20	3.1	244	17	4.6	0
16/03/2023 05:30	2.5	238	17	4	0
16/03/2023 05:40	2.9	235	17	4.2	0
16/03/2023 05:50	2.9	235	19	4.6	0
16/03/2023 06:00	2.7	237	18	4.2	0
16/03/2023 06:10	3.1	236	16	4.8	0
16/03/2023 06:20	2.6	243	18	4.4	0
16/03/2023 06:30	2.6	239	18	4	0
16/03/2023 06:40	2.6	244	19	3.8	0
16/03/2023 06:50	2.5	254	19	3.6	0
16/03/2023 07:00	2.2	251	20	3	0
16/03/2023 07:10	2.1	247	21	3.6	0
16/03/2023 07:20	1.7	271	20	2.7	0
16/03/2023 07:30	1.8	260	19	2.5	0
16/03/2023 07:40	2.1	259	21	3	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/03/2023 07:50	2.4	242	18	3.5	0
16/03/2023 08:00	2.4	244	21	3.6	0
16/03/2023 08:10	2.2	244	25	3.5	0
16/03/2023 08:20	2.8	226	20	3.9	0
16/03/2023 08:30	2.4	215	18	3.6	0
16/03/2023 08:40	2.5	224	18	3.8	0
16/03/2023 08:50	2.6	226	18	3.7	0
16/03/2023 09:00	2.2	238	26	3.5	0
16/03/2023 09:10	2.2	252	22	3.3	0
16/03/2023 09:20	2.1	259	21	3.2	0
16/03/2023 09:30	2.5	254	19	3.6	0
16/03/2023 09:40	2.9	251	18	4.4	0
16/03/2023 09:50	3.4	253	17	4.6	0
16/03/2023 10:00	3.2	256	17	4.5	0
16/03/2023 10:10	3.1	254	20	4.4	0
16/03/2023 10:20	2.7	260	21	4.1	0
16/03/2023 10:30	2.2	273	31	3.5	0
16/03/2023 10:40	1.7	308	48	3	0
16/03/2023 10:50	1.6	311	43	3.7	0
16/03/2023 11:00	2.2	340	39	4.1	0
16/03/2023 11:10	2.1	337	34	3.6	0
16/03/2023 11:20	2	338	33	3.7	0
16/03/2023 11:30	2.5	318	35	4	0
16/03/2023 11:40	2.2	280	48	3.4	0
16/03/2023 11:50	2	264	48	3.3	0
16/03/2023 12:00	2.6	243	31	4.2	0
16/03/2023 12:10	3	254	25	5	0
16/03/2023 12:20	3.7	242	23	5.6	0
16/03/2023 12:30	3.9	245	23	6.5	0
16/03/2023 12:40	2.9	261	30	5.1	0
16/03/2023 12:50	2.1	265	50	3.8	0
16/03/2023 13:00	3.3	255	29	5.2	0
16/03/2023 13:10	3	269	31	4.7	0
16/03/2023 13:20	2.4	290	40	4.6	0
16/03/2023 13:30	2.7	292	36	4.6	0
16/03/2023 13:40	2.6	300	40	5.1	0
16/03/2023 13:50					0
16/03/2023 14:00					0
16/03/2023 14:10					0
16/03/2023 14:20					0
16/03/2023 14:30					0
16/03/2023 14:40					0
16/03/2023 14:50					0
16/03/2023 15:00					0
16/03/2023 15:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/03/2023 15:20					0
16/03/2023 15:30					0
16/03/2023 15:40					0
16/03/2023 15:50	0	329	0	0.4	0
16/03/2023 16:00					0
16/03/2023 16:10					0
16/03/2023 16:20					0
16/03/2023 16:30					0
16/03/2023 16:40					0
16/03/2023 16:50					0
16/03/2023 17:00					0
16/03/2023 17:10					0
16/03/2023 17:20					0
16/03/2023 17:30					0
16/03/2023 17:40					0
16/03/2023 17:50	0	324	0	0.6	0
16/03/2023 18:00					0
16/03/2023 18:10					0
16/03/2023 18:20					0
16/03/2023 18:30	0	297	0	0.4	0
16/03/2023 18:40					0
16/03/2023 18:50					0
16/03/2023 19:00					0
16/03/2023 19:10					0
16/03/2023 19:20					0
16/03/2023 19:30					0
16/03/2023 19:40					0
16/03/2023 19:50					0
16/03/2023 20:00					0
16/03/2023 20:10					0
16/03/2023 20:20					0
16/03/2023 20:30					0
16/03/2023 20:40					0
16/03/2023 20:50					0
16/03/2023 21:00					0
16/03/2023 21:10					0
16/03/2023 21:20					0
16/03/2023 21:30					0
16/03/2023 21:40					0
16/03/2023 21:50					0
16/03/2023 22:00	0.2	262	6	3.6	0
16/03/2023 22:10	0.1	241	1	3	0
16/03/2023 22:20	0.7	265	5	2.8	0
16/03/2023 22:30	3.3	254	17	4.8	0
16/03/2023 22:40	3.3	254	14	4.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/03/2023 22:50	3	261	15	4.4	0
16/03/2023 23:00	3.2	260	15	4.4	0
16/03/2023 23:10	3.5	253	16	4.8	0
16/03/2023 23:20	3.4	255	16	5	0
16/03/2023 23:30	3.3	259	15	5.1	0
16/03/2023 23:40	2.7	261	16	4.2	0
16/03/2023 23:50	2.5	263	16	3.9	0
17/03/2023 00:00	2.5	261	18	4.1	0
17/03/2023 00:10	1.9	269	24	2.8	0
17/03/2023 00:20	2.1	268	21	3.2	0
17/03/2023 00:30	2.9	263	18	5.4	0
17/03/2023 00:40	2.2	271	25	4	0
17/03/2023 00:50	2.4	277	29	5.4	0
17/03/2023 01:00	4.1	260	15	6.3	0
17/03/2023 01:10	3.3	264	16	4.8	0
17/03/2023 01:20	2.8	262	16	4.3	0
17/03/2023 01:30	2.7	264	15	3.7	0
17/03/2023 01:40	3	260	14	4.4	0
17/03/2023 01:50	2.9	261	19	4.5	0
17/03/2023 02:00	2.6	260	19	3.8	0
17/03/2023 02:10	2.7	263	19	4	0
17/03/2023 02:20	2.8	264	17	4.3	0
17/03/2023 02:30	2.9	262	17	4.5	0
17/03/2023 02:40	3.2	260	16	4.7	0
17/03/2023 02:50	2.7	254	16	4.4	0
17/03/2023 03:00	3	252	22	4.8	0
17/03/2023 03:10	3.2	257	16	5	0
17/03/2023 03:20	3	261	17	4.8	0
17/03/2023 03:30	2.7	263	16	4	0
17/03/2023 03:40	3.3	263	16	5	0
17/03/2023 03:50	3.3	255	16	4.8	0
17/03/2023 04:00	3.2	256	17	4.7	0
17/03/2023 04:10	3.2	257	14	4.5	0
17/03/2023 04:20	3.5	255	15	4.8	0
17/03/2023 04:30	2.9	260	17	4.1	0
17/03/2023 04:40	3.4	257	15	5	0
17/03/2023 04:50	3.2	260	14	4.6	0
17/03/2023 05:00	2.8	257	18	4.1	0
17/03/2023 05:10	2.6	259	13	4.1	0
17/03/2023 05:20	2	252	18	3	0
17/03/2023 05:30	2	251	17	3.2	0
17/03/2023 05:40	2.1	248	16	3.3	0
17/03/2023 05:50	1.9	248	16	3	0
17/03/2023 06:00	2.2	254	17	3.2	0
17/03/2023 06:10	2.6	254	16	4.5	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/03/2023 06:20	2.3	251	16	3.3	0
17/03/2023 06:30	2.8	248	17	4	0
17/03/2023 06:40	2.3	250	18	3.6	0
17/03/2023 06:50	2.4	247	17	3.6	0
17/03/2023 07:00	2.6	245	14	4	0
17/03/2023 07:10	2.2	251	19	3.1	0
17/03/2023 07:20	2.4	243	20	3.5	0
17/03/2023 07:30	2.6	243	16	3.9	0
17/03/2023 07:40	2.7	248	18	4	0
17/03/2023 07:50	2.6	255	19	3.9	0
17/03/2023 08:00	2.6	240	19	4.1	0
17/03/2023 08:10	2.7	235	17	3.9	0
17/03/2023 08:20	2.6	236	19	3.6	0
17/03/2023 08:30	2.4	239	19	3.2	0
17/03/2023 08:40	2.2	238	22	3.2	0
17/03/2023 08:50	1.4	207	17	3.5	0
17/03/2023 09:00					0
17/03/2023 09:10					0
17/03/2023 09:20					0
17/03/2023 09:30					0
17/03/2023 09:40					0
17/03/2023 09:50					0
17/03/2023 10:00					0
17/03/2023 10:10					0
17/03/2023 10:20					0
17/03/2023 10:30					0
17/03/2023 10:40					0
17/03/2023 10:50					0
17/03/2023 11:00					0
17/03/2023 11:10					0
17/03/2023 11:20					0
17/03/2023 11:30					0
17/03/2023 11:40					0
17/03/2023 11:50					0
17/03/2023 12:00					0
17/03/2023 12:10					0
17/03/2023 12:20					0
17/03/2023 12:30					0
17/03/2023 12:40					0
17/03/2023 12:50					0
17/03/2023 13:00					0
17/03/2023 13:10					0
17/03/2023 13:20					0
17/03/2023 13:30					0
17/03/2023 13:40					0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/03/2023 13:50					0
17/03/2023 14:00					0
17/03/2023 14:10					0
17/03/2023 14:20					0
17/03/2023 14:30					0
17/03/2023 14:40					0
17/03/2023 14:50					0
17/03/2023 15:00					0
17/03/2023 15:10					0
17/03/2023 15:20					0
17/03/2023 15:30					0
17/03/2023 15:40					0
17/03/2023 15:50					0
17/03/2023 16:00					0
17/03/2023 16:10					0
17/03/2023 16:20					0
17/03/2023 16:30					0
17/03/2023 16:40					0
17/03/2023 16:50					0
17/03/2023 17:00					0
17/03/2023 17:10					0
17/03/2023 17:20					0
17/03/2023 17:30					0
17/03/2023 17:40					0
17/03/2023 17:50					0
17/03/2023 18:00					0
17/03/2023 18:10					0
17/03/2023 18:20					0
17/03/2023 18:30					0
17/03/2023 18:40					0
17/03/2023 18:50	0	245	0	0.4	0
17/03/2023 19:00					0
17/03/2023 19:10					0
17/03/2023 19:20					0
17/03/2023 19:30	0	241	0	0.8	0
17/03/2023 19:40					0
17/03/2023 19:50					0
17/03/2023 20:00					0
17/03/2023 20:10					0
17/03/2023 20:20					0
17/03/2023 20:30					0
17/03/2023 20:40					0
17/03/2023 20:50					0
17/03/2023 21:00					0
17/03/2023 21:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/03/2023 21:20	0.1	249	1	1.5	0
17/03/2023 21:30	0.1	266	7	1.4	0
17/03/2023 21:40	0.2	249	5	2	0
17/03/2023 21:50					0
17/03/2023 22:00					0
17/03/2023 22:10	0	264	0	0.4	0
17/03/2023 22:20	0	243	1	0.4	0
17/03/2023 22:30					0
17/03/2023 22:40	0	334	0	0.4	0
17/03/2023 22:50					0
17/03/2023 23:00					0
17/03/2023 23:10					0
17/03/2023 23:20					0
17/03/2023 23:30					0
17/03/2023 23:40					0
17/03/2023 23:50					0
18/03/2023 00:00					0
18/03/2023 00:10					0
18/03/2023 00:20					0
18/03/2023 00:30					0
18/03/2023 00:40					0
18/03/2023 00:50					0
18/03/2023 01:00					0
18/03/2023 01:10					0
18/03/2023 01:20					0
18/03/2023 01:30	0	272	3	0.6	0
18/03/2023 01:40	0	282	0	0.8	0
18/03/2023 01:50					0
18/03/2023 02:00					0
18/03/2023 02:10					0
18/03/2023 02:20					0
18/03/2023 02:30					0
18/03/2023 02:40					0
18/03/2023 02:50					0
18/03/2023 03:00					0
18/03/2023 03:10					0
18/03/2023 03:20					0
18/03/2023 03:30					0
18/03/2023 03:40					0
18/03/2023 03:50					0
18/03/2023 04:00					0
18/03/2023 04:10					0
18/03/2023 04:20					0
18/03/2023 04:30					0
18/03/2023 04:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/03/2023 04:50					0
18/03/2023 05:00					0
18/03/2023 05:10					0
18/03/2023 05:20					0
18/03/2023 05:30					0
18/03/2023 05:40					0
18/03/2023 05:50					0
18/03/2023 06:00					0
18/03/2023 06:10					0
18/03/2023 06:20					0
18/03/2023 06:30					0
18/03/2023 06:40					0
18/03/2023 06:50					0
18/03/2023 07:00					0
18/03/2023 07:10					0
18/03/2023 07:20					0
18/03/2023 07:30					0
18/03/2023 07:40					0
18/03/2023 07:50					0
18/03/2023 08:00					0
18/03/2023 08:10					0
18/03/2023 08:20					0
18/03/2023 08:30					0
18/03/2023 08:40					0
18/03/2023 08:50					0
18/03/2023 09:00					0
18/03/2023 09:10					0
18/03/2023 09:20					0
18/03/2023 09:30					0
18/03/2023 09:40					0
18/03/2023 09:50					0
18/03/2023 10:00					0
18/03/2023 10:10					0
18/03/2023 10:20					0
18/03/2023 10:30					0
18/03/2023 10:40					0
18/03/2023 10:50					0
18/03/2023 11:00					0
18/03/2023 11:10					0
18/03/2023 11:20					0
18/03/2023 11:30					0
18/03/2023 11:40					0
18/03/2023 11:50					0
18/03/2023 12:00					0
18/03/2023 12:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/03/2023 12:20					0
18/03/2023 12:30					0
18/03/2023 12:40					0
18/03/2023 12:50					0
18/03/2023 13:00					0
18/03/2023 13:10					0
18/03/2023 13:20					0
18/03/2023 13:30					0
18/03/2023 13:40					0
18/03/2023 13:50					0
18/03/2023 14:00					0
18/03/2023 14:10					0
18/03/2023 14:20					0
18/03/2023 14:30					0
18/03/2023 14:40					0
18/03/2023 14:50					0
18/03/2023 15:00					0
18/03/2023 15:10					0
18/03/2023 15:20					0
18/03/2023 15:30					0
18/03/2023 15:40					0
18/03/2023 15:50					0
18/03/2023 16:00					0
18/03/2023 16:10					0
18/03/2023 16:20					0
18/03/2023 16:30					0
18/03/2023 16:40					0
18/03/2023 16:50					0
18/03/2023 17:00					0
18/03/2023 17:10	0	341	0	0.4	0
18/03/2023 17:20					0
18/03/2023 17:30					0
18/03/2023 17:40					0
18/03/2023 17:50					0
18/03/2023 18:00					0
18/03/2023 18:10					0
18/03/2023 18:20					0
18/03/2023 18:30					0
18/03/2023 18:40					0
18/03/2023 18:50					0
18/03/2023 19:00					0
18/03/2023 19:10					0
18/03/2023 19:20					0
18/03/2023 19:30					0
18/03/2023 19:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/03/2023 19:50					0
18/03/2023 20:00					0
18/03/2023 20:10					0
18/03/2023 20:20					0
18/03/2023 20:30					0
18/03/2023 20:40					0
18/03/2023 20:50					0
18/03/2023 21:00					0
18/03/2023 21:10					0
18/03/2023 21:20					0
18/03/2023 21:30					0
18/03/2023 21:40					0
18/03/2023 21:50					0
18/03/2023 22:00					0
18/03/2023 22:10					0
18/03/2023 22:20					0
18/03/2023 22:30					0
18/03/2023 22:40					0
18/03/2023 22:50					0
18/03/2023 23:00					0
18/03/2023 23:10					0
18/03/2023 23:20					0
18/03/2023 23:30					0
18/03/2023 23:40					0
18/03/2023 23:50					0
19/03/2023 00:00					0
19/03/2023 00:10					0
19/03/2023 00:20					0
19/03/2023 00:30					0
19/03/2023 00:40					0
19/03/2023 00:50					0
19/03/2023 01:00					0
19/03/2023 01:10					0
19/03/2023 01:20					0
19/03/2023 01:30					0
19/03/2023 01:40					0
19/03/2023 01:50					0
19/03/2023 02:00					0
19/03/2023 02:10					0
19/03/2023 02:20					0
19/03/2023 02:30					0
19/03/2023 02:40					0
19/03/2023 02:50					0
19/03/2023 03:00					0
19/03/2023 03:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/03/2023 03:20	0	253	0	0.4	0
19/03/2023 03:30	0	252	0	0.4	0
19/03/2023 03:40					0
19/03/2023 03:50					0
19/03/2023 04:00					0
19/03/2023 04:10					0
19/03/2023 04:20					0
19/03/2023 04:30					0
19/03/2023 04:40					0
19/03/2023 04:50					0
19/03/2023 05:00					0
19/03/2023 05:10					0
19/03/2023 05:20					0
19/03/2023 05:30					0
19/03/2023 05:40					0
19/03/2023 05:50					0
19/03/2023 06:00					0
19/03/2023 06:10					0
19/03/2023 06:20					0
19/03/2023 06:30					0
19/03/2023 06:40					0
19/03/2023 06:50					0
19/03/2023 07:00					0
19/03/2023 07:10					0
19/03/2023 07:20					0
19/03/2023 07:30					0
19/03/2023 07:40					0
19/03/2023 07:50					0
19/03/2023 08:00					0
19/03/2023 08:10					0
19/03/2023 08:20					0
19/03/2023 08:30					0
19/03/2023 08:40					0
19/03/2023 08:50					0
19/03/2023 09:00					0
19/03/2023 09:10					0
19/03/2023 09:20					0
19/03/2023 09:30					0
19/03/2023 09:40					0
19/03/2023 09:50					0
19/03/2023 10:00					0
19/03/2023 10:10					0
19/03/2023 10:20					0
19/03/2023 10:30					0
19/03/2023 10:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/03/2023 10:50					0
19/03/2023 11:00					0
19/03/2023 11:10					0
19/03/2023 11:20					0
19/03/2023 11:30					0
19/03/2023 11:40					0
19/03/2023 11:50					0
19/03/2023 12:00					0
19/03/2023 12:10					0
19/03/2023 12:20					0
19/03/2023 12:30					0
19/03/2023 12:40					0
19/03/2023 12:50					0
19/03/2023 13:00					0
19/03/2023 13:10					0
19/03/2023 13:20					0
19/03/2023 13:30					0
19/03/2023 13:40					0
19/03/2023 13:50					0
19/03/2023 14:00					0
19/03/2023 14:10					0
19/03/2023 14:20					0
19/03/2023 14:30					0
19/03/2023 14:40					0
19/03/2023 14:50					0
19/03/2023 15:00					0
19/03/2023 15:10					0
19/03/2023 15:20					0
19/03/2023 15:30					0
19/03/2023 15:40					0
19/03/2023 15:50					0
19/03/2023 16:00					0
19/03/2023 16:10					0
19/03/2023 16:20					0
19/03/2023 16:30					0
19/03/2023 16:40					0
19/03/2023 16:50					0
19/03/2023 17:00					0
19/03/2023 17:10					0
19/03/2023 17:20					0
19/03/2023 17:30					0
19/03/2023 17:40					0
19/03/2023 17:50					0
19/03/2023 18:00					0
19/03/2023 18:10					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/03/2023 18:20	0	261	1	0.4	0
19/03/2023 18:30					0
19/03/2023 18:40					0
19/03/2023 18:50					0
19/03/2023 19:00					0
19/03/2023 19:10	0	252	1	1.6	0
19/03/2023 19:20	0	281	0	0.4	0
19/03/2023 19:30	0	255	0	0.4	0
19/03/2023 19:40	0.3	261	4	4.6	0
19/03/2023 19:50	2.5	259	13	5.6	0
19/03/2023 20:00	3.3	260	16	4.9	0
19/03/2023 20:10	3.2	251	18	5.4	0
19/03/2023 20:20	3.2	249	19	4.7	0
19/03/2023 20:30	3.4	255	15	4.8	0
19/03/2023 20:40	3.4	257	14	4.8	0
19/03/2023 20:50	3.3	262	15	5.2	0
19/03/2023 21:00	3.2	261	13	4.9	0
19/03/2023 21:10	3.1	266	16	4.8	0
19/03/2023 21:20	3.2	263	18	4.7	0
19/03/2023 21:30	3.2	259	15	4.4	0
19/03/2023 21:40	3	261	14	4.8	0
19/03/2023 21:50	3.2	262	16	4.9	0
19/03/2023 22:00	3.3	261	16	4.8	0
19/03/2023 22:10	3	261	18	4.4	0
19/03/2023 22:20	1.7	192	47	2.8	0
19/03/2023 22:30	1.7	222	37	2.7	0
19/03/2023 22:40	0.8	232	77	1.6	0
19/03/2023 22:50	1.8	287	30	3.4	0
19/03/2023 23:00	1.1	225	43	1.9	0
19/03/2023 23:10	1.3	261	13	1.7	0
19/03/2023 23:20	1.3	293	12	1.9	0
19/03/2023 23:30	0.7	324	21	0.9	0
19/03/2023 23:40	0.8	272	22	1.5	0
19/03/2023 23:50	0.4	298	9	1.2	0
20/03/2023 00:00	1	285	11	1.5	0
20/03/2023 00:10	0	305	3	0.5	0
20/03/2023 00:20	0.3	264	11	0.8	0
20/03/2023 00:30	0.2	254	4	0.9	0
20/03/2023 00:40	0.6	44	19	1	0
20/03/2023 00:50	0.9	183	24	1.4	0
20/03/2023 01:00	1.9	69	25	3.8	0
20/03/2023 01:10	3	56	23	5	0
20/03/2023 01:20	2.7	64	25	4.3	0
20/03/2023 01:30	2.5	58	24	4.4	0
20/03/2023 01:40	2.5	62	24	4.1	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/03/2023 01:50	2.9	64	25	4.8	0
20/03/2023 02:00	2.4	58	19	4.1	0
20/03/2023 02:10	2.5	48	23	4	0
20/03/2023 02:20	2.1	49	22	4	0
20/03/2023 02:30	2.3	49	21	4	0
20/03/2023 02:40	1.8	48	26	3	0
20/03/2023 02:50	1.6	62	26	2.8	0
20/03/2023 03:00	1.5	47	19	2.6	0
20/03/2023 03:10	1.3	41	29	2.9	0
20/03/2023 03:20	0.5	57	19	1.2	0
20/03/2023 03:30	0.4	64	17	0.8	0
20/03/2023 03:40	0.5	48	23	1.1	0
20/03/2023 03:50	0.4	47	12	1.2	0
20/03/2023 04:00					0
20/03/2023 04:10	0	147	0	0.4	0
20/03/2023 04:20	0.1	232	11	0.4	0
20/03/2023 04:30	0.3	24	13	0.9	0
20/03/2023 04:40	0.1	23	5	0.8	0
20/03/2023 04:50	0.3	14	9	0.8	0
20/03/2023 05:00	0.5	35	14	0.8	0
20/03/2023 05:10	0.4	39	11	0.7	0
20/03/2023 05:20	0.3	174	10	0.8	0
20/03/2023 05:30	0	340	1	0.4	0
20/03/2023 05:40					0
20/03/2023 05:50	0.1	191	5	0.6	0
20/03/2023 06:00					0
20/03/2023 06:10	0.1	69	4	0.7	0
20/03/2023 06:20	0.4	65	19	0.8	0
20/03/2023 06:30	0.2	60	15	0.6	0
20/03/2023 06:40	0.2	75	11	0.8	0
20/03/2023 06:50	0	41	5	0.4	0
20/03/2023 07:00	0.1	113	8	0.6	0
20/03/2023 07:10	0	81	6	0.4	0
20/03/2023 07:20	0.4	143	21	1	0
20/03/2023 07:30	1	140	24	1.6	0
20/03/2023 07:40	1.2	126	27	2.3	0
20/03/2023 07:50	1.2	137	29	2	0
20/03/2023 08:00	1.6	145	26	2.8	0
20/03/2023 08:10	1.7	149	33	2.7	0
20/03/2023 08:20	1.7	142	27	2.8	0
20/03/2023 08:30	1.7	129	29	2.9	0
20/03/2023 08:40	1.6	126	37	2.7	0
20/03/2023 08:50	1.6	118	32	2.9	0
20/03/2023 09:00	1.7	107	29	3	0
20/03/2023 09:10	1.6	115	25	2.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/03/2023 09:20	1.6	132	36	2.7	0
20/03/2023 09:30	1.5	139	31	2.4	0
20/03/2023 09:40	1.6	117	35	3	0
20/03/2023 09:50	1.6	92	27	3	0
20/03/2023 10:00	1.8	124	36	3	0
20/03/2023 10:10	1.7	122	28	3.2	0
20/03/2023 10:20	1.6	116	34	2.8	0
20/03/2023 10:30	1.6	111	35	2.8	0
20/03/2023 10:40	1.7	117	33	3	0
20/03/2023 10:50	1.9	94	33	3.2	0
20/03/2023 11:00	2.1	94	28	3.9	0
20/03/2023 11:10	2.5	70	28	3.9	0
20/03/2023 11:20	2.8	57	23	4.5	0
20/03/2023 11:30	2.9	69	22	4.8	0
20/03/2023 11:40	2.9	63	24	4.9	0
20/03/2023 11:50	3.1	64	24	5	0
20/03/2023 12:00	3.1	62	22	4.8	0
20/03/2023 12:10	3	67	27	4.8	0
20/03/2023 12:20	2.4	73	25	4.1	0
20/03/2023 12:30	2.4	84	29	4.4	0
20/03/2023 12:40	2.8	86	26	4.3	0
20/03/2023 12:50	2.2	84	29	3.4	0
20/03/2023 13:00	2	74	30	3.7	0
20/03/2023 13:10	2.1	92	28	3.8	0
20/03/2023 13:20	2.1	66	30	4.3	0
20/03/2023 13:30	2.2	54	25	3.8	0
20/03/2023 13:40	2.4	68	29	4	0
20/03/2023 13:50	2.7	82	24	4	0
20/03/2023 14:00	2.6	66	23	4	0
20/03/2023 14:10	2.7	67	24	4.2	0
20/03/2023 14:20	2.7	66	23	4.3	0
20/03/2023 14:30	2.6	44	28	4.4	0
20/03/2023 14:40	2.9	47	23	4.4	0
20/03/2023 14:50	2.3	50	19	5.4	0
20/03/2023 15:00					0
20/03/2023 15:10					0
20/03/2023 15:20					0
20/03/2023 15:30					0
20/03/2023 15:40					0
20/03/2023 15:50					0
20/03/2023 16:00					0
20/03/2023 16:10					0
20/03/2023 16:20					0
20/03/2023 16:30					0
20/03/2023 16:40					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/03/2023 16:50					0
20/03/2023 17:00					0
20/03/2023 17:10					0
20/03/2023 17:20					0
20/03/2023 17:30					0
20/03/2023 17:40					0
20/03/2023 17:50					0
20/03/2023 18:00					0
20/03/2023 18:10					0
20/03/2023 18:20					0
20/03/2023 18:30					0
20/03/2023 18:40					0
20/03/2023 18:50					0
20/03/2023 19:00					0
20/03/2023 19:10					0
20/03/2023 19:20					0
20/03/2023 19:30					0
20/03/2023 19:40					0
20/03/2023 19:50					0
20/03/2023 20:00					0
20/03/2023 20:10	0	233	0	0.8	0
20/03/2023 20:20					0
20/03/2023 20:30					0
20/03/2023 20:40					0
20/03/2023 20:50					0
20/03/2023 21:00					0
20/03/2023 21:10					0
20/03/2023 21:20					0
20/03/2023 21:30					0
20/03/2023 21:40	0.9	198	17	2.2	0
20/03/2023 21:50	1.2	201	20	2.1	0
20/03/2023 22:00	0.7	210	20	1.5	0
20/03/2023 22:10	0.6	253	18	1.1	0
20/03/2023 22:20	1	284	22	1.7	0
20/03/2023 22:30	0.1	260	2	0.6	0
20/03/2023 22:40	0.8	253	14	1.2	0
20/03/2023 22:50	1	265	13	1.2	0
20/03/2023 23:00	1.3	256	13	1.6	0
20/03/2023 23:10	0.9	278	20	1.6	0
20/03/2023 23:20	0.6	300	16	1.2	0
20/03/2023 23:30	0.7	300	18	1.2	0
20/03/2023 23:40	0.5	329	15	1.1	0
20/03/2023 23:50	0.7	308	15	1.2	0
21/03/2023 00:00	0.9	346	18	1.3	0
21/03/2023 00:10	1	340	19	1.6	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/03/2023 00:20	1.3	351	19	2	0
21/03/2023 00:30	1.1	339	23	1.8	0
21/03/2023 00:40	1.5	346	18	2.3	0
21/03/2023 00:50	1.6	346	21	2.3	0
21/03/2023 01:00	1.6	346	17	2.4	0
21/03/2023 01:10	1.8	345	18	2.4	0
21/03/2023 01:20	2	339	16	3	0
21/03/2023 01:30	2	343	17	3	0
21/03/2023 01:40	1.9	348	19	3.2	0
21/03/2023 01:50	1.8	347	24	2.7	0
21/03/2023 02:00	1.9	347	29	3.3	0
21/03/2023 02:10	2.3	344	17	3.2	0
21/03/2023 02:20	1.8	351	21	2.7	0
21/03/2023 02:30	2.1	172	25	3.5	0
21/03/2023 02:40	1.7	349	27	3.1	0
21/03/2023 02:50	1.1	330	37	2	0
21/03/2023 03:00	0.5	137	50	1.1	0
21/03/2023 03:10	0.4	215	34	0.9	0
21/03/2023 03:20	0.1	161	11	0.6	0
21/03/2023 03:30	0.9	51	11	1.6	0
21/03/2023 03:40	0.4	46	13	1	0
21/03/2023 03:50	0.1	32	8	0.9	0
21/03/2023 04:00	0	53	7	0.4	0
21/03/2023 04:10					0
21/03/2023 04:20					0
21/03/2023 04:30					0
21/03/2023 04:40					0
21/03/2023 04:50					0
21/03/2023 05:00					0
21/03/2023 05:10					0
21/03/2023 05:20					0
21/03/2023 05:30					0
21/03/2023 05:40					0
21/03/2023 05:50					0
21/03/2023 06:00					0
21/03/2023 06:10					0
21/03/2023 06:20					0
21/03/2023 06:30					0
21/03/2023 06:40					0
21/03/2023 06:50					0
21/03/2023 07:00					0
21/03/2023 07:10					0
21/03/2023 07:20					0
21/03/2023 07:30					0
21/03/2023 07:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/03/2023 07:50					0
21/03/2023 08:00					0
21/03/2023 08:10					0
21/03/2023 08:20					0
21/03/2023 08:30					0
21/03/2023 08:40					0
21/03/2023 08:50					0
21/03/2023 09:00					0
21/03/2023 09:10					0
21/03/2023 09:20					0
21/03/2023 09:30					0
21/03/2023 09:40					0
21/03/2023 09:50					0
21/03/2023 10:00					0
21/03/2023 10:10					0
21/03/2023 10:20					0
21/03/2023 10:30					0
21/03/2023 10:40					0
21/03/2023 10:50					0
21/03/2023 11:00					0
21/03/2023 11:10					0
21/03/2023 11:20					0
21/03/2023 11:30					0
21/03/2023 11:40					0
21/03/2023 11:50					0
21/03/2023 12:00					0
21/03/2023 12:10					0
21/03/2023 12:20					0
21/03/2023 12:30					0
21/03/2023 12:40					0
21/03/2023 12:50					0
21/03/2023 13:00					0
21/03/2023 13:10					0
21/03/2023 13:20					0
21/03/2023 13:30					0
21/03/2023 13:40					0
21/03/2023 13:50					0
21/03/2023 14:00					0
21/03/2023 14:10					0
21/03/2023 14:20					0
21/03/2023 14:30					0
21/03/2023 14:40					0
21/03/2023 14:50					0
21/03/2023 15:00					0
21/03/2023 15:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/03/2023 15:20					0
21/03/2023 15:30					0
21/03/2023 15:40					0
21/03/2023 15:50					0
21/03/2023 16:00					0
21/03/2023 16:10					0
21/03/2023 16:20					0
21/03/2023 16:30					0
21/03/2023 16:40					0
21/03/2023 16:50					0
21/03/2023 17:00					0
21/03/2023 17:10					0
21/03/2023 17:20					0
21/03/2023 17:30					0
21/03/2023 17:40					0
21/03/2023 17:50	0	330	11	0.9	0
21/03/2023 18:00					0
21/03/2023 18:10					0
21/03/2023 18:20					0
21/03/2023 18:30					0
21/03/2023 18:40					0
21/03/2023 18:50					0
21/03/2023 19:00					0
21/03/2023 19:10					0
21/03/2023 19:20					0
21/03/2023 19:30					0
21/03/2023 19:40					0
21/03/2023 19:50					0
21/03/2023 20:00					0
21/03/2023 20:10					0
21/03/2023 20:20					0
21/03/2023 20:30					0
21/03/2023 20:40					0
21/03/2023 20:50					0
21/03/2023 21:00					0
21/03/2023 21:10					0
21/03/2023 21:20	0	267	0	0.4	0
21/03/2023 21:30					0
21/03/2023 21:40					0
21/03/2023 21:50	0	138	1	0.4	0
21/03/2023 22:00					0
21/03/2023 22:10					0
21/03/2023 22:20					0
21/03/2023 22:30					0
21/03/2023 22:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/03/2023 22:50					0
21/03/2023 23:00					0
21/03/2023 23:10					0
21/03/2023 23:20					0
21/03/2023 23:30					0
21/03/2023 23:40					0
21/03/2023 23:50					0
22/03/2023 00:00					0
22/03/2023 00:10					0
22/03/2023 00:20					0
22/03/2023 00:30					0
22/03/2023 00:40					0
22/03/2023 00:50					0
22/03/2023 01:00					0
22/03/2023 01:10					0
22/03/2023 01:20					0
22/03/2023 01:30					0
22/03/2023 01:40					0
22/03/2023 01:50					0
22/03/2023 02:00					0
22/03/2023 02:10					0
22/03/2023 02:20					0
22/03/2023 02:30					0
22/03/2023 02:40					0
22/03/2023 02:50					0
22/03/2023 03:00					0
22/03/2023 03:10					0
22/03/2023 03:20					0
22/03/2023 03:30					0
22/03/2023 03:40	0	285	0	0.4	0
22/03/2023 03:50					0
22/03/2023 04:00					0
22/03/2023 04:10					0
22/03/2023 04:20	0.6	210	11	1.2	0
22/03/2023 04:30	1.6	236	20	2.4	0
22/03/2023 04:40	1.3	221	20	1.8	0
22/03/2023 04:50	0.6	232	26	1.6	0
22/03/2023 05:00	0.1	217	14	0.4	0
22/03/2023 05:10	0	207	0	0.4	0
22/03/2023 05:20					0
22/03/2023 05:30					0
22/03/2023 05:40					0
22/03/2023 05:50					0
22/03/2023 06:00					0
22/03/2023 06:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/03/2023 06:20					0
22/03/2023 06:30					0
22/03/2023 06:40					0
22/03/2023 06:50					0
22/03/2023 07:00					0
22/03/2023 07:10					0
22/03/2023 07:20					0
22/03/2023 07:30					0
22/03/2023 07:40					0
22/03/2023 07:50					0
22/03/2023 08:00					0
22/03/2023 08:10					0
22/03/2023 08:20					0
22/03/2023 08:30					0
22/03/2023 08:40					0
22/03/2023 08:50					0
22/03/2023 09:00					0
22/03/2023 09:10					0
22/03/2023 09:20					0
22/03/2023 09:30					0
22/03/2023 09:40					0
22/03/2023 09:50					0
22/03/2023 10:00					0
22/03/2023 10:10					0
22/03/2023 10:20					0
22/03/2023 10:30					0
22/03/2023 10:40					0
22/03/2023 10:50					0
22/03/2023 11:00					0
22/03/2023 11:10					0
22/03/2023 11:20					0
22/03/2023 11:30					0
22/03/2023 11:40					0
22/03/2023 11:50					0
22/03/2023 12:00					0
22/03/2023 12:10					0
22/03/2023 12:20					0
22/03/2023 12:30					0
22/03/2023 12:40					0
22/03/2023 12:50					0
22/03/2023 13:00					0
22/03/2023 13:10					0
22/03/2023 13:20					0
22/03/2023 13:30					0
22/03/2023 13:40					0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/03/2023 13:50					0
22/03/2023 14:00					0
22/03/2023 14:10					0
22/03/2023 14:20					0
22/03/2023 14:30					0
22/03/2023 14:40					0
22/03/2023 14:50					0
22/03/2023 15:00					0
22/03/2023 15:10					0
22/03/2023 15:20					0
22/03/2023 15:30					0
22/03/2023 15:40					0
22/03/2023 15:50					0
22/03/2023 16:00					0
22/03/2023 16:10					0
22/03/2023 16:20					0
22/03/2023 16:30					0
22/03/2023 16:40					0
22/03/2023 16:50					0
22/03/2023 17:00					0
22/03/2023 17:10					0
22/03/2023 17:20					0
22/03/2023 17:30					0
22/03/2023 17:40					0
22/03/2023 17:50					0
22/03/2023 18:00					0
22/03/2023 18:10					0
22/03/2023 18:20					0
22/03/2023 18:30					0
22/03/2023 18:40					0
22/03/2023 18:50					0
22/03/2023 19:00					0
22/03/2023 19:10					0
22/03/2023 19:20					0
22/03/2023 19:30					0
22/03/2023 19:40					0
22/03/2023 19:50					0
22/03/2023 20:00					0
22/03/2023 20:10					0
22/03/2023 20:20					0
22/03/2023 20:30					0
22/03/2023 20:40					0
22/03/2023 20:50					0
22/03/2023 21:00					0
22/03/2023 21:10					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/03/2023 21:20					0
22/03/2023 21:30					0
22/03/2023 21:40					0
22/03/2023 21:50					0
22/03/2023 22:00					0
22/03/2023 22:10					0
22/03/2023 22:20					0
22/03/2023 22:30					0
22/03/2023 22:40					0
22/03/2023 22:50					0
22/03/2023 23:00					0
22/03/2023 23:10					0
22/03/2023 23:20					0
22/03/2023 23:30					0
22/03/2023 23:40					0
22/03/2023 23:50					0
23/03/2023 00:00					0
23/03/2023 00:10					0
23/03/2023 00:20					0
23/03/2023 00:30					0
23/03/2023 00:40					0
23/03/2023 00:50					0
23/03/2023 01:00					0
23/03/2023 01:10					0
23/03/2023 01:20					0
23/03/2023 01:30					0
23/03/2023 01:40					0
23/03/2023 01:50					0
23/03/2023 02:00					0
23/03/2023 02:10					0
23/03/2023 02:20					0
23/03/2023 02:30					0
23/03/2023 02:40					0
23/03/2023 02:50					0
23/03/2023 03:00					0
23/03/2023 03:10					0
23/03/2023 03:20					0
23/03/2023 03:30					0
23/03/2023 03:40					0
23/03/2023 03:50					0
23/03/2023 04:00					0
23/03/2023 04:10					0
23/03/2023 04:20					0
23/03/2023 04:30					0
23/03/2023 04:40					0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/03/2023 04:50					0
23/03/2023 05:00					0
23/03/2023 05:10					0
23/03/2023 05:20					0
23/03/2023 05:30					0
23/03/2023 05:40					0
23/03/2023 05:50					0
23/03/2023 06:00					0
23/03/2023 06:10					0
23/03/2023 06:20					0
23/03/2023 06:30					0
23/03/2023 06:40					0
23/03/2023 06:50					0
23/03/2023 07:00					0
23/03/2023 07:10					0
23/03/2023 07:20					0
23/03/2023 07:30					0
23/03/2023 07:40					0
23/03/2023 07:50					0
23/03/2023 08:00					0
23/03/2023 08:10					0
23/03/2023 08:20					0
23/03/2023 08:30					0
23/03/2023 08:40					0
23/03/2023 08:50					0
23/03/2023 09:00					0
23/03/2023 09:10					0
23/03/2023 09:20					0
23/03/2023 09:30					0
23/03/2023 09:40					0
23/03/2023 09:50					0
23/03/2023 10:00					0
23/03/2023 10:10					0
23/03/2023 10:20					0
23/03/2023 10:30					0
23/03/2023 10:40					0
23/03/2023 10:50					0
23/03/2023 11:00					0
23/03/2023 11:10					0
23/03/2023 11:20					0
23/03/2023 11:30					0
23/03/2023 11:40					0
23/03/2023 11:50					0
23/03/2023 12:00					0
23/03/2023 12:10					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/03/2023 12:20					0
23/03/2023 12:30					0
23/03/2023 12:40					0
23/03/2023 12:50					0
23/03/2023 13:00					0
23/03/2023 13:10					0
23/03/2023 13:20					0
23/03/2023 13:30					0
23/03/2023 13:40					0
23/03/2023 13:50	0.6	51	5	3	0
23/03/2023 14:00	1.8	48	10	4	0
23/03/2023 14:10	3.2	71	20	5.4	0.1
23/03/2023 14:20	3.1	67	21	4.8	0
23/03/2023 14:30	2.9	61	22	4.6	0
23/03/2023 14:40	3.1	55	23	4.8	0
23/03/2023 14:50	2.9	56	19	4.8	0
23/03/2023 15:00	3	64	19	4.3	0
23/03/2023 15:10	2.7	63	25	4.4	0
23/03/2023 15:20	2.5	64	21	4	0
23/03/2023 15:30	2.5	44	30	4	0
23/03/2023 15:40	3.7	13	25	5.9	0
23/03/2023 15:50	3.1	174	31	5.3	0
23/03/2023 16:00	3.1	180	32	4.8	0
23/03/2023 16:10	2.7	11	32	4.6	0
23/03/2023 16:20	2.6	27	27	4.3	0
23/03/2023 16:30	3	184	35	5.2	0
23/03/2023 16:40	3.2	15	30	5.2	0
23/03/2023 16:50	3.6	13	28	5.5	0
23/03/2023 17:00	3.3	188	28	5	0
23/03/2023 17:10	3.3	10	32	5.4	0
23/03/2023 17:20	3.4	18	28	5.6	0
23/03/2023 17:30	3.1	10	34	5.5	0
23/03/2023 17:40	3.6	4	29	5.5	0
23/03/2023 17:50	3.1	16	31	4.9	0
23/03/2023 18:00	3.5	13	29	5.7	0
23/03/2023 18:10	3.3	20	29	6	0
23/03/2023 18:20	3.5	11	28	6.9	0
23/03/2023 18:30	3.6	16	25	5.6	0
23/03/2023 18:40	2.7	6	32	4.8	0
23/03/2023 18:50	2	5	32	3.7	0
23/03/2023 19:00	2.7	340	29	4.5	0
23/03/2023 19:10	2.8	340	32	5	0
23/03/2023 19:20	3	353	31	5.3	0
23/03/2023 19:30	2.8	339	29	4.9	0
23/03/2023 19:40	2.9	347	28	5.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/03/2023 19:50	2.9	338	31	4.9	0
23/03/2023 20:00	2.6	332	31	4.2	0
23/03/2023 20:10	2.4	336	32	4.3	0
23/03/2023 20:20	3	327	26	4.6	0
23/03/2023 20:30	2.8	327	26	4.4	0
23/03/2023 20:40	2.6	313	33	4.4	0
23/03/2023 20:50	1.7	277	41	2.8	0
23/03/2023 21:00	2	257	27	3.2	0
23/03/2023 21:10	2.2	252	23	3.3	0
23/03/2023 21:20	1.7	249	27	3	0
23/03/2023 21:30	1.7	255	26	2.8	0
23/03/2023 21:40	1.6	258	27	2.8	0
23/03/2023 21:50	1.6	286	32	2.5	0
23/03/2023 22:00	1.7	275	35	3.2	0
23/03/2023 22:10	1.9	258	24	3	0
23/03/2023 22:20	1.5	267	31	2.8	0
23/03/2023 22:30	1.6	267	30	2.9	0
23/03/2023 22:40	2	254	20	3.2	0
23/03/2023 22:50	2	247	20	3.1	0
23/03/2023 23:00	2.2	240	17	3.5	0
23/03/2023 23:10	2.3	250	18	3.5	0
23/03/2023 23:20	2.3	242	16	3.4	0
23/03/2023 23:30	2.3	251	17	3.2	0
23/03/2023 23:40	2.3	246	19	3.6	0
23/03/2023 23:50	2	251	20	3	0
24/03/2023 00:00	2	248	18	3.3	0
24/03/2023 00:10	2	247	19	3.2	0
24/03/2023 00:20	1.9	242	21	3.1	0
24/03/2023 00:30	2.2	238	17	3.2	0
24/03/2023 00:40	2.3	238	19	3.6	0
24/03/2023 00:50	2.3	240	18	3.5	0
24/03/2023 01:00	2.1	241	18	3.1	0
24/03/2023 01:10	1.8	235	19	2.5	0
24/03/2023 01:20	1.5	237	15	2.4	0
24/03/2023 01:30	1.5	245	20	2.4	0
24/03/2023 01:40	1.6	250	19	2.4	0
24/03/2023 01:50	2	242	16	3.2	0
24/03/2023 02:00	1.8	236	20	2.7	0
24/03/2023 02:10	1.8	237	20	2.5	0
24/03/2023 02:20	1.9	233	19	2.8	0
24/03/2023 02:30	2.2	236	14	3.3	0
24/03/2023 02:40	1.8	237	18	2.8	0
24/03/2023 02:50	1.8	241	17	2.8	0
24/03/2023 03:00	1.4	249	17	2.3	0
24/03/2023 03:10	1.7	233	14	2.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/03/2023 03:20	1.4	245	13	2.1	0
24/03/2023 03:30	1	258	15	1.4	0
24/03/2023 03:40	1.1	261	12	1.6	0
24/03/2023 03:50	1.2	269	10	1.6	0
24/03/2023 04:00	1.2	257	11	1.6	0
24/03/2023 04:10	1.1	264	12	1.6	0
24/03/2023 04:20	1.1	253	17	1.7	0
24/03/2023 04:30	0.2	145	30	0.7	0
24/03/2023 04:40					0
24/03/2023 04:50	0.3	287	8	0.7	0
24/03/2023 05:00	0.4	238	12	0.8	0
24/03/2023 05:10	0.3	253	42	0.8	0
24/03/2023 05:20	0.1	228	0	0.6	0
24/03/2023 05:30	0.5	251	5	1.1	0
24/03/2023 05:40	0.6	269	9	0.8	0
24/03/2023 05:50	0.4	262	16	0.8	0
24/03/2023 06:00	0	219	0	0.4	0
24/03/2023 06:10	0.2	257	8	0.7	0
24/03/2023 06:20	0.2	260	6	0.8	0
24/03/2023 06:30	0.1	343	5	0.5	0
24/03/2023 06:40	0.7	323	10	1	0
24/03/2023 06:50	0.9	326	13	1.2	0
24/03/2023 07:00	0.7	335	12	1.1	0
24/03/2023 07:10	0.2	352	8	0.8	0
24/03/2023 07:20	0	98	1	0.4	0
24/03/2023 07:30	0.8	196	25	1.5	0
24/03/2023 07:40	0.2	140	22	0.8	0
24/03/2023 07:50	0.5	210	21	0.9	0
24/03/2023 08:00	0.4	325	15	1.1	0
24/03/2023 08:10	0.6	155	21	1.2	0
24/03/2023 08:20	1	248	51	2.2	0
24/03/2023 08:30	1.3	291	39	2.1	0
24/03/2023 08:40	1.2	284	40	2.2	0
24/03/2023 08:50	1.2	217	51	2.1	0
24/03/2023 09:00	1.2	234	51	2.1	0
24/03/2023 09:10	0.6	127	58	1.2	0
24/03/2023 09:20	1.2	105	34	2	0
24/03/2023 09:30	1.3	97	41	2.4	0
24/03/2023 09:40	1.2	188	50	2.5	0
24/03/2023 09:50	1.4	61	33	2.5	0
24/03/2023 10:00	1.7	71	21	2.9	0
24/03/2023 10:10	2	67	23	3.2	0
24/03/2023 10:20	2	76	28	3.3	0
24/03/2023 10:30	2	70	25	3.6	0
24/03/2023 10:40	2.4	82	24	3.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/03/2023 10:50	2.3	70	27	4	0
24/03/2023 11:00	2.4	62	24	3.7	0
24/03/2023 11:10	2.4	69	20	4.1	0
24/03/2023 11:20	2.5	70	25	4	0
24/03/2023 11:30	2.5	39	38	4.8	0
24/03/2023 11:40	2.4	18	31	4	0
24/03/2023 11:50	2.7	8	27	4.5	0
24/03/2023 12:00	2.9	21	27	5	0
24/03/2023 12:10	2.9	49	24	5.5	0
24/03/2023 12:20	3.2	58	21	4.9	0
24/03/2023 12:30	4.5	63	24	7.8	0
24/03/2023 12:40	5.8	64	22	8.4	0
24/03/2023 12:50	5.6	63	23	8.6	0
24/03/2023 13:00	5	64	22	7.5	0
24/03/2023 13:10	4.5	60	23	7.5	0
24/03/2023 13:20	3.8	66	22	6	0
24/03/2023 13:30	3.5	60	22	6	0
24/03/2023 13:40	3.3	70	23	4.9	0
24/03/2023 13:50	3.2	61	23	5.3	0
24/03/2023 14:00	3	61	24	4.8	0
24/03/2023 14:10	3	73	25	5.1	0
24/03/2023 14:20	2.7	76	26	4.4	0
24/03/2023 14:30	2.8	62	24	4.4	0
24/03/2023 14:40	2.7	75	22	4.3	0
24/03/2023 14:50	2.8	67	20	4.1	0
24/03/2023 15:00	2.4	67	27	4	0
24/03/2023 15:10	2.4	81	25	4.5	0
24/03/2023 15:20	2.6	76	27	4.1	0
24/03/2023 15:30	2.5	63	26	4.4	0
24/03/2023 15:40	2.6	59	25	4.5	0
24/03/2023 15:50	2.6	53	21	3.9	0
24/03/2023 16:00	2.4	60	27	3.6	0
24/03/2023 16:10	2.2	58	24	3.7	0
24/03/2023 16:20	2.6	54	23	4.4	0
24/03/2023 16:30	2.4	66	23	3.7	0
24/03/2023 16:40	2.3	68	24	3.7	0
24/03/2023 16:50	2.2	60	21	3.2	0
24/03/2023 17:00	2	64	25	3.3	0
24/03/2023 17:10	2	65	21	3.1	0
24/03/2023 17:20	1.9	61	24	3	0
24/03/2023 17:30	1.9	62	20	2.8	0
24/03/2023 17:40	1.7	55	20	2.6	0
24/03/2023 17:50	1.8	50	17	2.8	0
24/03/2023 18:00	1.8	61	19	2.5	0
24/03/2023 18:10	1.8	57	19	2.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/03/2023 18:20	1.8	57	18	2.8	0
24/03/2023 18:30	1.8	59	22	2.8	0
24/03/2023 18:40	1.7	54	17	2.8	0
24/03/2023 18:50	1.5	56	22	2.4	0
24/03/2023 19:00	1.4	58	19	2	0
24/03/2023 19:10	1.4	53	19	2.1	0
24/03/2023 19:20	1.8	49	19	2.8	0
24/03/2023 19:30	1.6	52	17	2.7	0
24/03/2023 19:40	1.4	56	18	2.4	0
24/03/2023 19:50	1.2	57	19	2	0
24/03/2023 20:00	1	59	19	1.7	0
24/03/2023 20:10	1.1	64	19	1.7	0
24/03/2023 20:20	1	56	20	1.6	0
24/03/2023 20:30	1.2	44	17	2	0
24/03/2023 20:40	1	40	28	1.6	0
24/03/2023 20:50	1.3	10	31	2.1	0
24/03/2023 21:00	1.3	18	29	1.9	0
24/03/2023 21:10	1	178	33	1.8	0
24/03/2023 21:20	0.9	175	43	1.7	0
24/03/2023 21:30	1	26	26	1.7	0
24/03/2023 21:40	1.1	30	25	1.6	0
24/03/2023 21:50	1.1	41	17	1.6	0
24/03/2023 22:00	1	48	20	1.8	0
24/03/2023 22:10	0.8	51	23	1.3	0
24/03/2023 22:20	0.9	54	24	1.5	0
24/03/2023 22:30	0.8	60	23	1.2	0
24/03/2023 22:40	0.9	55	23	1.3	0
24/03/2023 22:50	0.9	191	27	1.6	0
24/03/2023 23:00	0.7	11	45	1.6	0
24/03/2023 23:10	0.8	182	27	1.6	0
24/03/2023 23:20	0.5	182	28	1.2	0
24/03/2023 23:30	0.7	176	20	1.4	0
24/03/2023 23:40	0.7	181	32	1.3	0
24/03/2023 23:50	0.4	67	16	0.9	0
25/03/2023 00:00	0.6	66	18	1	0
25/03/2023 00:10	0.1	96	7	0.6	0
25/03/2023 00:20	0.1	72	18	0.6	0
25/03/2023 00:30	0.3	264	10	0.9	0
25/03/2023 00:40	0.4	24	26	1.1	0
25/03/2023 00:50	0.3	53	16	0.9	0
25/03/2023 01:00					0
25/03/2023 01:10					0
25/03/2023 01:20					0
25/03/2023 01:30					0
25/03/2023 01:40	0.7	251	12	1.1	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/03/2023 01:50	0.7	255	10	1.2	0
25/03/2023 02:00	0.6	242	10	0.9	0
25/03/2023 02:10	1.1	247	14	2	0
25/03/2023 02:20	1.4	244	15	2.1	0
25/03/2023 02:30	1.4	253	18	2	0
25/03/2023 02:40	1.1	248	15	1.6	0
25/03/2023 02:50	1	250	14	1.6	0
25/03/2023 03:00	1.3	263	15	2	0
25/03/2023 03:10	1	251	16	1.6	0
25/03/2023 03:20	0.7	252	16	1.1	0
25/03/2023 03:30	0.9	259	14	1.3	0
25/03/2023 03:40	1	261	12	1.4	0
25/03/2023 03:50	1.1	252	9	1.6	0
25/03/2023 04:00	1.2	249	18	1.9	0
25/03/2023 04:10	0.4	253	22	1.2	0
25/03/2023 04:20	0.7	246	14	1.2	0
25/03/2023 04:30	1.2	242	14	1.9	0
25/03/2023 04:40	1	237	27	1.6	0
25/03/2023 04:50	1.4	248	18	2.5	0
25/03/2023 05:00	1.1	253	16	1.7	0
25/03/2023 05:10	1.2	239	21	1.8	0
25/03/2023 05:20	1.4	248	16	2	0
25/03/2023 05:30	0.6	187	24	1.4	0
25/03/2023 05:40	0.2	137	11	0.8	0
25/03/2023 05:50	0.5	97	17	1	0
25/03/2023 06:00	0.8	100	26	1.3	0
25/03/2023 06:10	0.6	97	18	1.2	0
25/03/2023 06:20	0.2	108	20	0.8	0
25/03/2023 06:30	0.1	185	9	0.6	0
25/03/2023 06:40	0.4	155	17	0.9	0
25/03/2023 06:50	0.4	138	17	1.2	0
25/03/2023 07:00	1.3	173	19	2.1	0
25/03/2023 07:10	0.8	164	22	1.7	0
25/03/2023 07:20	1	148	25	1.7	0
25/03/2023 07:30	0.9	143	26	1.6	0
25/03/2023 07:40	1	153	28	1.7	0
25/03/2023 07:50	1.2	159	26	2.1	0
25/03/2023 08:00	1.3	165	24	2	0
25/03/2023 08:10	0.9	132	33	1.8	0
25/03/2023 08:20	1	136	30	1.6	0
25/03/2023 08:30	1.2	130	27	1.9	0
25/03/2023 08:40	1.1	136	34	1.8	0
25/03/2023 08:50	1.3	130	30	2.2	0
25/03/2023 09:00	1.4	143	29	2.4	0
25/03/2023 09:10	1.3	135	45	2.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/03/2023 09:20	1.6	122	31	2.6	0
25/03/2023 09:30	1.6	150	29	2.8	0
25/03/2023 09:40	1.5	151	32	2.7	0
25/03/2023 09:50	1.7	130	37	2.5	0
25/03/2023 10:00	1.7	143	33	2.8	0
25/03/2023 10:10	1.7	121	33	2.6	0
25/03/2023 10:20	1.7	93	36	3.2	0
25/03/2023 10:30	1.8	115	31	3	0
25/03/2023 10:40	2.1	120	29	3.6	0
25/03/2023 10:50	2	114	31	3.2	0
25/03/2023 11:00	2.2	102	31	3.6	0
25/03/2023 11:10	2.5	80	29	4.2	0
25/03/2023 11:20	2.5	86	25	4.2	0
25/03/2023 11:30	2.8	61	24	4.4	0
25/03/2023 11:40	2.7	68	25	4.3	0
25/03/2023 11:50	2.5	70	29	4.1	0
25/03/2023 12:00	2.7	65	27	4.7	0
25/03/2023 12:10	2.9	65	27	4.5	0
25/03/2023 12:20	2.7	56	29	3.9	0
25/03/2023 12:30	2.8	62	24	4.1	0
25/03/2023 12:40	3.1	59	25	4.7	0
25/03/2023 12:50	2.9	61	21	5.2	0
25/03/2023 13:00	2.3	49	32	3.9	0
25/03/2023 13:10	4	24	30	7	0
25/03/2023 13:20	4	23	27	6	0
25/03/2023 13:30	3.2	15	31	5.2	0
25/03/2023 13:40	2.7	14	33	4.3	0
25/03/2023 13:50	2.4	17	36	4.8	0
25/03/2023 14:00	2.2	33	34	3.5	0
25/03/2023 14:10	2.5	36	33	4	0
25/03/2023 14:20	2.5	55	25	4.2	0
25/03/2023 14:30	2.6	49	26	4.1	0
25/03/2023 14:40	2.2	77	24	3.6	0
25/03/2023 14:50	2.9	65	26	4.4	0
25/03/2023 15:00	2.9	59	23	4.8	0
25/03/2023 15:10	2.6	70	26	4.2	0
25/03/2023 15:20	2.2	71	27	3.3	0
25/03/2023 15:30	2.7	81	22	4.4	0
25/03/2023 15:40	2.8	64	23	4.7	0
25/03/2023 15:50	2.8	56	20	5.1	0
25/03/2023 16:00	2.6	64	22	5	0
25/03/2023 16:10	2.3	70	22	3.9	0
25/03/2023 16:20	2.2	72	19	3.6	0
25/03/2023 16:30	2.1	67	25	3.3	0
25/03/2023 16:40	2	74	25	3.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/03/2023 16:50	2.1	80	21	3.6	0
25/03/2023 17:00	1.8	80	29	3.1	0
25/03/2023 17:10	2	69	23	3.3	0
25/03/2023 17:20	2.7	60	20	4.1	0
25/03/2023 17:30	2.6	56	20	4.4	0
25/03/2023 17:40	2.4	59	19	3.7	0
25/03/2023 17:50	2.4	62	22	3.6	0
25/03/2023 18:00	2.2	62	21	3.4	0
25/03/2023 18:10	2	59	21	3	0
25/03/2023 18:20	1.7	66	21	2.8	0
25/03/2023 18:30	1.7	61	21	2.6	0
25/03/2023 18:40	1.7	59	22	2.5	0
25/03/2023 18:50	2	50	20	2.8	0
25/03/2023 19:00	1.9	42	20	3.2	0
25/03/2023 19:10	1.4	40	26	2	0
25/03/2023 19:20	1.3	40	25	2.6	0
25/03/2023 19:30	1.5	46	23	2.4	0
25/03/2023 19:40	1.6	55	19	2.6	0
25/03/2023 19:50	1.5	48	24	2.4	0
25/03/2023 20:00	1.4	39	23	2.4	0
25/03/2023 20:10	1.6	43	25	2.6	0
25/03/2023 20:20	1.5	55	21	2.4	0
25/03/2023 20:30	1.5	40	25	2.4	0
25/03/2023 20:40	1.4	41	20	2.4	0
25/03/2023 20:50	1.3	45	27	2.3	0
25/03/2023 21:00	1.6	43	20	2.7	0
25/03/2023 21:10	1.3	47	21	2	0
25/03/2023 21:20	1.4	51	24	2.3	0
25/03/2023 21:30	1.4	49	18	2.3	0
25/03/2023 21:40	1.7	55	19	2.5	0
25/03/2023 21:50	1.6	46	24	2.6	0
25/03/2023 22:00	1.5	36	25	2.4	0
25/03/2023 22:10	1.4	47	19	2.2	0
25/03/2023 22:20	1.3	45	24	2	0
25/03/2023 22:30	1.6	54	19	2.4	0
25/03/2023 22:40	1.4	47	23	2	0
25/03/2023 22:50	1.5	51	23	2.5	0
25/03/2023 23:00	1.2	50	24	2	0
25/03/2023 23:10	1.3	49	24	2	0
25/03/2023 23:20	1	55	21	1.6	0
25/03/2023 23:30	1	44	27	1.6	0
25/03/2023 23:40	1.2	47	28	2	0
25/03/2023 23:50	0.5	61	25	1.1	0
26/03/2023 00:00	0.7	188	36	1.9	0
26/03/2023 00:10	0.3	128	27	0.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/03/2023 00:20	0.2	131	4	0.7	0
26/03/2023 00:30	0.2	164	10	0.6	0
26/03/2023 00:40	0.4	66	22	0.9	0
26/03/2023 00:50	0.6	46	19	0.8	0
26/03/2023 01:00	0.9	291	21	1.6	0
26/03/2023 01:10	2.4	248	17	3.3	0
26/03/2023 01:20	1.9	224	17	2.8	0
26/03/2023 01:30	1.5	247	21	2.4	0
26/03/2023 01:40	1.1	201	25	1.5	0
26/03/2023 01:50	0.3	167	10	0.8	0
26/03/2023 02:00	0.1	327	6	0.5	0
26/03/2023 02:10	0.1	127	5	0.6	0
26/03/2023 02:20	1.5	261	15	2.2	0
26/03/2023 02:30	1.8	265	17	2.5	0.3
26/03/2023 02:40	1.3	262	11	1.9	0.1
26/03/2023 02:50	1.6	283	16	2.4	0.4
26/03/2023 03:00	2.2	259	12	3.2	1.2
26/03/2023 03:10	1.2	307	19	1.8	0.1
26/03/2023 03:20	0.8	328	12	1.3	0
26/03/2023 03:30	0.4	337	7	0.9	0.1
26/03/2023 03:40	0.5	86	26	1	0.2
26/03/2023 03:50	0.5	297	41	0.8	0
26/03/2023 04:00	0.2	181	9	0.8	0
26/03/2023 04:10	0.3	298	34	0.7	0.1
26/03/2023 04:20	0.8	289	36	1.2	0
26/03/2023 04:30	1.3	218	16	2	0.8
26/03/2023 04:40	1.6	197	26	3.1	0.5
26/03/2023 04:50	1.4	100	37	2.4	1.2
26/03/2023 05:00	1.3	186	61	2.9	6.9
26/03/2023 05:10	1.5	215	31	2.4	5.2
26/03/2023 05:20	1.3	276	48	2.1	5.3
26/03/2023 05:30	1	209	38	1.6	0.6
26/03/2023 05:40	0.4	140	30	1.1	0
26/03/2023 05:50	0.4	248	10	0.9	0
26/03/2023 06:00	0.5	52	10	0.9	0
26/03/2023 06:10	0.6	22	20	1.1	0
26/03/2023 06:20	0.3	184	7	0.7	0
26/03/2023 06:30	0.3	134	17	1.2	0
26/03/2023 06:40	0.6	169	20	1.2	0
26/03/2023 06:50	0.4	185	16	1.2	0
26/03/2023 07:00	0.9	167	23	1.6	0
26/03/2023 07:10	0.6	152	16	1.5	0
26/03/2023 07:20	0.8	171	19	1.4	0
26/03/2023 07:30	0.7	112	27	1.2	0
26/03/2023 07:40	0.7	120	25	1.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/03/2023 07:50	1.3	142	32	2.5	0.1
26/03/2023 08:00	1	128	28	1.6	0
26/03/2023 08:10	0.9	111	29	1.6	0
26/03/2023 08:20	0.5	140	29	1	0
26/03/2023 08:30	0.6	142	28	1.4	0
26/03/2023 08:40	0.9	120	30	1.6	0
26/03/2023 08:50	0.8	124	30	1.3	0
26/03/2023 09:00	1	125	31	1.8	0
26/03/2023 09:10	1.1	136	33	1.9	0
26/03/2023 09:20	1.4	96	23	2.4	0
26/03/2023 09:30	1.3	101	28	1.9	0
26/03/2023 09:40	1.3	92	27	2.2	0
26/03/2023 09:50	1.2	98	26	1.7	0
26/03/2023 10:00	0.9	98	30	1.8	0
26/03/2023 10:10	1.2	97	31	2.4	0
26/03/2023 10:20	1.2	91	27	2.2	0
26/03/2023 10:30	1.1	64	20	2	0
26/03/2023 10:40	1.6	42	24	3.1	0
26/03/2023 10:50	1.3	16	29	2.2	0
26/03/2023 11:00	1.4	7	25	2.4	0
26/03/2023 11:10	1.4	356	29	2.2	0
26/03/2023 11:20	1.2	7	25	1.9	0
26/03/2023 11:30	1.3	28	25	2.1	0
26/03/2023 11:40	1.3	48	35	2.1	0
26/03/2023 11:50	1.1	77	28	2.2	0
26/03/2023 12:00	1.2	85	59	2.4	0
26/03/2023 12:10	1.3	113	50	2.2	0
26/03/2023 12:20	1.1	102	45	2.2	0
26/03/2023 12:30	1.4	61	30	2.9	0
26/03/2023 12:40	1.2	54	28	2.6	0
26/03/2023 12:50	1.7	71	27	3.2	0
26/03/2023 13:00	1.8	59	27	3.2	0
26/03/2023 13:10	1.2	127	72	2.3	0
26/03/2023 13:20	2.2	68	26	3.6	0
26/03/2023 13:30	2.2	62	29	3.6	0
26/03/2023 13:40	1.8	42	39	3.6	0
26/03/2023 13:50	2.1	10	36	3.8	0
26/03/2023 14:00	1.8	7	45	2.9	0
26/03/2023 14:10	1.9	10	30	3	0
26/03/2023 14:20	2	177	31	3.2	0
26/03/2023 14:30	2.2	7	33	3.7	0
26/03/2023 14:40	1.9	8	37	3.2	0
26/03/2023 14:50	1.9	183	37	3.1	0
26/03/2023 15:00	1.9	6	35	3.7	0
26/03/2023 15:10	2.1	9	25	3.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/03/2023 15:20	2	11	34	3.3	0
26/03/2023 15:30	1.9	9	32	3.2	0
26/03/2023 15:40	2.2	354	32	3.6	0
26/03/2023 15:50	2.1	349	37	4	0
26/03/2023 16:00	1.5	184	40	3.2	0
26/03/2023 16:10	2	178	32	3.5	0
26/03/2023 16:20	2	341	35	4	0
26/03/2023 16:30	1.8	358	38	3.2	0
26/03/2023 16:40	1.5	179	41	3.1	0
26/03/2023 16:50	2	332	30	3.2	0
26/03/2023 17:00	2.1	338	30	3.9	0
26/03/2023 17:10	1.9	340	29	3.8	0
26/03/2023 17:20	2.2	342	27	3.5	0
26/03/2023 17:30	1.9	339	27	3.1	0
26/03/2023 17:40	1.8	344	33	3	0
26/03/2023 17:50	1.8	341	29	3.5	0
26/03/2023 18:00	1.6	176	31	3.1	0
26/03/2023 18:10	1.8	343	26	2.8	0
26/03/2023 18:20	1.5	175	40	2.8	0
26/03/2023 18:30	1.5	176	32	2.3	0
26/03/2023 18:40	1.3	13	37	2.3	0
26/03/2023 18:50	1.2	186	40	2.1	0
26/03/2023 19:00	1.2	18	30	2	0
26/03/2023 19:10	1.4	14	30	2	0
26/03/2023 19:20	1.6	334	30	2.4	0
26/03/2023 19:30	1.6	331	24	2.5	0
26/03/2023 19:40	1.2	326	23	1.9	0
26/03/2023 19:50	1.2	358	29	1.9	0
26/03/2023 20:00	0.7	188	36	1.4	0
26/03/2023 20:10	0.5	190	22	1.3	0
26/03/2023 20:20	0.9	183	30	2	0
26/03/2023 20:30	1	26	38	2.2	0
26/03/2023 20:40	1	46	24	1.6	0
26/03/2023 20:50	1.4	38	23	2.5	0
26/03/2023 21:00	1.2	187	30	2.4	0
26/03/2023 21:10	1.2	183	33	1.9	0
26/03/2023 21:20	0.7	169	34	1.3	0
26/03/2023 21:30	0.6	26	30	1.6	0
26/03/2023 21:40	0.9	36	27	1.5	0
26/03/2023 21:50	0.7	36	31	1.5	0
26/03/2023 22:00	0.8	27	46	1.7	0
26/03/2023 22:10	0.9	13	43	1.6	0
26/03/2023 22:20	0.8	7	33	1.6	0
26/03/2023 22:30	0.7	193	45	1.6	0
26/03/2023 22:40	0.8	356	41	1.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/03/2023 22:50	1.1	331	37	1.9	0
26/03/2023 23:00	1.1	315	30	1.7	0
26/03/2023 23:10	1.2	315	32	2.2	0
26/03/2023 23:20	0.9	293	39	1.8	0
26/03/2023 23:30	1.3	325	26	2	0
26/03/2023 23:40	1.1	325	25	1.9	0
26/03/2023 23:50	1.3	323	32	2	0
27/03/2023 00:00	0.9	287	36	2	0
27/03/2023 00:10	1	282	37	2	0
27/03/2023 00:20	0.8	260	34	1.3	0
27/03/2023 00:30	0.8	262	23	1.4	0
27/03/2023 00:40	0.9	254	24	1.5	0
27/03/2023 00:50	0.5	249	14	1	0
27/03/2023 01:00	0.9	268	16	1.3	0
27/03/2023 01:10	0.9	296	15	1.2	0
27/03/2023 01:20	0.8	286	22	1.3	0
27/03/2023 01:30	0.9	296	27	1.3	0
27/03/2023 01:40	1.1	277	19	1.8	0
27/03/2023 01:50	0.8	287	20	1.6	0
27/03/2023 02:00	1	289	20	1.5	0
27/03/2023 02:10	0.7	294	20	1.1	0
27/03/2023 02:20	0.7	292	23	1.1	0
27/03/2023 02:30	1.1	269	17	1.6	0
27/03/2023 02:40	1	274	26	1.6	0
27/03/2023 02:50	1.4	255	17	2	0
27/03/2023 03:00	1.6	261	19	2.4	0
27/03/2023 03:10	0.8	292	22	1.2	0
27/03/2023 03:20	1	291	24	1.6	0
27/03/2023 03:30	0.9	301	31	1.5	0
27/03/2023 03:40	0.8	292	26	1.8	0
27/03/2023 03:50	0.7	282	26	1.1	0
27/03/2023 04:00	0.4	276	16	1	0
27/03/2023 04:10	0.2	204	6	0.8	0
27/03/2023 04:20	0.4	279	15	1	0
27/03/2023 04:30	0.8	148	38	1.2	0
27/03/2023 04:40	0.7	178	19	1.1	0
27/03/2023 04:50	0.1	113	38	0.8	0
27/03/2023 05:00	0.4	176	19	0.9	0
27/03/2023 05:10	0	162	0	0.4	0
27/03/2023 05:20	0.2	276	14	0.8	0
27/03/2023 05:30	0.1	160	16	0.6	0
27/03/2023 05:40	0.3	58	12	0.6	0
27/03/2023 05:50	0.2	198	11	0.6	0
27/03/2023 06:00	0.4	242	12	0.9	0
27/03/2023 06:10	0.1	195	6	0.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/03/2023 06:20	0.8	175	18	1.4	0
27/03/2023 06:30	1	209	21	1.6	0
27/03/2023 06:40	1.3	212	20	2.2	0
27/03/2023 06:50	1.5	263	20	2.5	0
27/03/2023 07:00	1.4	256	21	2	0
27/03/2023 07:10	0.8	248	32	1.5	0
27/03/2023 07:20	1	270	28	1.7	0
27/03/2023 07:30	0.5	134	20	1.1	0
27/03/2023 07:40	0.9	47	20	1.5	0
27/03/2023 07:50	0.6	88	20	1	0
27/03/2023 08:00	1.1	48	19	1.6	0
27/03/2023 08:10	1	18	17	1.4	0
27/03/2023 08:20	1	40	21	1.5	0.1
27/03/2023 08:30	0.3	256	29	0.8	0.3
27/03/2023 08:40	0.5	152	29	1	0.3
27/03/2023 08:50	0.4	68	16	1	0.1
27/03/2023 09:00	0.5	235	35	1.2	0.3
27/03/2023 09:10	0.7	298	30	1.2	0.1
27/03/2023 09:20	0.1	168	11	0.6	0
27/03/2023 09:30	0.4	88	11	0.9	0
27/03/2023 09:40	0.4	124	23	1.2	0
27/03/2023 09:50	0.3	152	20	0.8	0
27/03/2023 10:00	0.4	221	20	0.8	0
27/03/2023 10:10	0.9	279	51	2	0
27/03/2023 10:20	1.7	324	27	2.6	0
27/03/2023 10:30	1.2	317	28	2.4	0
27/03/2023 10:40	1.3	288	43	2.8	0
27/03/2023 10:50	1.6	274	39	2.5	0
27/03/2023 11:00	1.7	266	33	3.4	0
27/03/2023 11:10	1.9	259	32	2.9	0
27/03/2023 11:20	2.2	260	25	3.3	0
27/03/2023 11:30	1.9	260	22	3.2	0
27/03/2023 11:40	1.9	276	35	3.1	0
27/03/2023 11:50	1.3	313	40	2.4	0
27/03/2023 12:00	1.7	275	27	3.1	0
27/03/2023 12:10	2	244	15	3.1	0
27/03/2023 12:20	2	263	21	3.2	0
27/03/2023 12:30	1.7	261	22	2.9	0
27/03/2023 12:40	1.7	264	28	2.8	0
27/03/2023 12:50	1.8	245	30	2.7	0
27/03/2023 13:00	2	263	21	2.9	0
27/03/2023 13:10	1.4	255	27	2.2	0
27/03/2023 13:20	1.7	254	18	2.5	0
27/03/2023 13:30	1.8	249	21	2.7	0
27/03/2023 13:40	1.5	274	29	2.1	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/03/2023 13:50	1.6	277	30	2.4	0
27/03/2023 14:00	1.7	287	36	2.8	0
27/03/2023 14:10	1.6	290	42	2.8	0
27/03/2023 14:20	2.1	268	38	3.9	0
27/03/2023 14:30	2	272	33	3.8	0
27/03/2023 14:40	2.1	260	29	3.8	0
27/03/2023 14:50	3	250	20	4	0
27/03/2023 15:00	3.3	247	19	4.5	0
27/03/2023 15:10	3.1	247	19	4.7	0
27/03/2023 15:20	2.8	242	19	4.2	0
27/03/2023 15:30	3.2	236	15	4.4	0
27/03/2023 15:40	2.8	235	23	4.1	0
27/03/2023 15:50	2.5	247	20	3.8	0
27/03/2023 16:00	2.2	240	20	3.6	0
27/03/2023 16:10	1.7	247	18	2.6	0
27/03/2023 16:20	1.6	232	20	2.5	0
27/03/2023 16:30	1.7	244	19	2.4	0
27/03/2023 16:40	1.3	197	17	2.1	0
27/03/2023 16:50	1.7	193	16	3	0
27/03/2023 17:00	1.5	178	19	2.4	0
27/03/2023 17:10	1.3	180	24	2.4	0
27/03/2023 17:20	0.5	210	19	1.3	0
27/03/2023 17:30	0.9	206	34	1.3	0
27/03/2023 17:40	0.6	151	23	1.2	0
27/03/2023 17:50	0.5	145	19	0.8	0
27/03/2023 18:00	0.4	166	19	1	0
27/03/2023 18:10	0.1	148	9	0.7	0
27/03/2023 18:20	0	110	5	0.6	0
27/03/2023 18:30	0.1	68	3	0.5	0
27/03/2023 18:40	0	320	1	0.4	0
27/03/2023 18:50	0.5	304	7	1	0
27/03/2023 19:00	0.7	314	16	1.4	0
27/03/2023 19:10	0.3	317	21	0.8	0
27/03/2023 19:20	0.6	320	16	1	0
27/03/2023 19:30	0.3	311	9	0.9	0
27/03/2023 19:40	0.5	321	7	0.8	0
27/03/2023 19:50					0
27/03/2023 20:00	0.1	209	1	0.5	0
27/03/2023 20:10	0.6	342	8	1.1	0
27/03/2023 20:20	0.9	328	11	1.4	0
27/03/2023 20:30	0.3	341	8	0.8	0
27/03/2023 20:40	0.5	299	10	0.6	0
27/03/2023 20:50	0.5	323	10	0.8	0
27/03/2023 21:00	0.3	284	11	0.8	0
27/03/2023 21:10	0.9	327	6	1.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/03/2023 21:20	1.1	302	18	1.5	0
27/03/2023 21:30	1.1	300	13	1.5	0
27/03/2023 21:40	1.2	282	12	1.5	0
27/03/2023 21:50	1.1	301	14	1.5	0
27/03/2023 22:00	1.2	288	10	1.6	0
27/03/2023 22:10	1	281	16	1.5	0
27/03/2023 22:20	1.1	277	13	1.7	0
27/03/2023 22:30	0.9	281	12	1.4	0
27/03/2023 22:40	1	309	11	1.3	0
27/03/2023 22:50	1.1	283	15	1.6	0
27/03/2023 23:00	0.6	283	18	1.2	0
27/03/2023 23:10	0.5	295	6	0.8	0
27/03/2023 23:20	0.4	325	13	0.8	0
27/03/2023 23:30	0.1	323	4	0.6	0
27/03/2023 23:40	0.1	168	3	0.5	0
27/03/2023 23:50	0.4	321	4	0.9	0
28/03/2023 00:00	0.9	332	7	1.2	0
28/03/2023 00:10	0.7	299	21	1.2	0
28/03/2023 00:20	0.6	304	13	0.9	0
28/03/2023 00:30	0.3	306	10	0.7	0
28/03/2023 00:40	0.6	282	17	1.2	0
28/03/2023 00:50	0.1	289	36	0.8	0
28/03/2023 01:00	0.6	337	20	1.6	0
28/03/2023 01:10	0.3	333	20	1.1	0
28/03/2023 01:20					0
28/03/2023 01:30	0	356	0	0.4	0
28/03/2023 01:40	0.3	336	10	0.8	0
28/03/2023 01:50	0.2	318	4	0.8	0
28/03/2023 02:00					0
28/03/2023 02:10	0.4	264	13	0.8	0
28/03/2023 02:20	0.5	278	31	1.1	0
28/03/2023 02:30	0.6	276	21	1	0
28/03/2023 02:40	0.7	271	21	1.2	0
28/03/2023 02:50	0.5	295	25	1.5	0
28/03/2023 03:00	0.4	287	18	1.2	0
28/03/2023 03:10	0.3	306	15	0.8	0
28/03/2023 03:20	0.3	307	14	0.8	0
28/03/2023 03:30	0.6	282	12	1	0
28/03/2023 03:40	0.4	300	19	0.8	0
28/03/2023 03:50	0.6	271	17	1.2	0
28/03/2023 04:00	0.6	290	21	1.2	0
28/03/2023 04:10	0.3	293	7	0.8	0
28/03/2023 04:20	0.4	325	7	0.8	0
28/03/2023 04:30	0.4	1	10	1.1	0
28/03/2023 04:40	0.5	290	15	1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/03/2023 04:50	0.8	306	10	1.1	0
28/03/2023 05:00	0.7	243	26	1.3	0
28/03/2023 05:10	0.8	284	21	1.2	0
28/03/2023 05:20	0.9	209	23	1.3	0
28/03/2023 05:30	0.3	263	9	1	0
28/03/2023 05:40	0.1	22	6	0.7	0
28/03/2023 05:50	0.5	340	9	1	0
28/03/2023 06:00	0.2	40	9	0.8	0
28/03/2023 06:10	0.2	162	7	0.5	0
28/03/2023 06:20	0.2	316	3	0.6	0
28/03/2023 06:30	0.1	310	3	0.6	0
28/03/2023 06:40	0	78	0	0.4	0
28/03/2023 06:50	0.2	137	6	0.8	0
28/03/2023 07:00	0	81	0	0.4	0
28/03/2023 07:10	0.5	186	22	1.2	0
28/03/2023 07:20	1.2	187	20	2	0
28/03/2023 07:30	0.9	175	29	1.6	0
28/03/2023 07:40	0.4	65	23	1	0
28/03/2023 07:50	0.2	128	30	0.7	0
28/03/2023 08:00	0.5	157	41	1.3	0
28/03/2023 08:10	1.6	190	20	2.8	0
28/03/2023 08:20	1.9	185	19	3.2	0
28/03/2023 08:30	2.1	182	19	3.1	0
28/03/2023 08:40	1.7	179	21	2.7	0
28/03/2023 08:50	1.2	172	26	2	0
28/03/2023 09:00	1.3	162	26	2.4	0
28/03/2023 09:10	1.6	183	21	2.8	0
28/03/2023 09:20	1.9	186	19	3	0
28/03/2023 09:30	1.5	164	24	2.4	0
28/03/2023 09:40	1.4	160	22	2.2	0
28/03/2023 09:50	1.2	137	28	2.1	0
28/03/2023 10:00	1.4	154	27	2.4	0
28/03/2023 10:10	1.1	125	25	1.9	0
28/03/2023 10:20	1.2	129	30	2	0
28/03/2023 10:30	1	141	30	1.6	0
28/03/2023 10:40	1	129	32	1.6	0
28/03/2023 10:50	1.1	112	25	1.9	0
28/03/2023 11:00	0.8	122	29	1.3	0
28/03/2023 11:10	1	131	25	1.8	0
28/03/2023 11:20	0.9	95	29	1.4	0
28/03/2023 11:30	0.6	72	25	1	0
28/03/2023 11:40	0.6	95	35	1.1	0
28/03/2023 11:50	0.7	102	31	1.3	0
28/03/2023 12:00	0.8	89	46	1.3	0
28/03/2023 12:10	0.7	86	21	1.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/03/2023 12:20	0.3	178	39	1	0
28/03/2023 12:30	0.6	134	37	1.2	0
28/03/2023 12:40	0.9	155	29	1.6	0
28/03/2023 12:50	0.7	134	25	1.3	0
28/03/2023 13:00	0.4	246	36	1	0
28/03/2023 13:10	1.1	220	29	1.8	0
28/03/2023 13:20	1.4	266	29	2	0
28/03/2023 13:30	1.2	326	29	2	0
28/03/2023 13:40	0.7	150	25	1.4	0
28/03/2023 13:50	0.8	310	41	1.6	0
28/03/2023 14:00	0.9	270	40	1.7	0
28/03/2023 14:10	0.8	288	32	1.6	0
28/03/2023 14:20	1	235	22	1.7	0
28/03/2023 14:30	1.2	243	23	2	0
28/03/2023 14:40	1.2	236	21	1.6	0
28/03/2023 14:50	0.8	245	16	1.5	0
28/03/2023 15:00	0.9	342	35	1.3	0
28/03/2023 15:10	0.6	345	46	1.2	0
28/03/2023 15:20	0.4	340	15	0.9	0
28/03/2023 15:30	0.6	255	44	1.2	0
28/03/2023 15:40	1.4	257	29	2.2	0
28/03/2023 15:50	1.6	249	20	2.4	0
28/03/2023 16:00	1.5	244	22	2.2	0
28/03/2023 16:10	1.4	263	18	2	0
28/03/2023 16:20	1.3	243	24	2.1	0
28/03/2023 16:30	1.4	247	15	2	0
28/03/2023 16:40	1.5	256	18	2	0
28/03/2023 16:50	1.6	254	12	2.2	0
28/03/2023 17:00	1.6	262	14	2.4	0
28/03/2023 17:10	1.5	254	17	2.2	0
28/03/2023 17:20	1.7	258	17	2.6	0
28/03/2023 17:30	2.3	249	17	3.4	0
28/03/2023 17:40	2.4	257	12	3.3	0
28/03/2023 17:50	2.2	253	15	3.2	0
28/03/2023 18:00	2.3	253	17	3.3	0
28/03/2023 18:10	2.4	247	17	4	0
28/03/2023 18:20	2.3	244	18	3.8	0
28/03/2023 18:30	2.7	247	20	3.9	0
28/03/2023 18:40	2.7	238	19	4.2	0
28/03/2023 18:50	3	231	14	4.4	0
28/03/2023 19:00	2.5	241	19	4	0
28/03/2023 19:10	2.4	247	20	3.6	0
28/03/2023 19:20	2.4	237	18	4	0
28/03/2023 19:30	2	248	19	3.3	0
28/03/2023 19:40	1.7	262	20	2.7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/03/2023 19:50	1.6	270	15	2.2	0
28/03/2023 20:00	1.7	262	13	2.4	0.1
28/03/2023 20:10	2.2	256	12	2.9	0.1
28/03/2023 20:20	1.4	260	18	2.2	0.1
28/03/2023 20:30	0.7	269	14	1.6	0.2
28/03/2023 20:40	0.4	32	14	0.8	0
28/03/2023 20:50	0.3	45	10	0.8	0.1
28/03/2023 21:00	0.5	56	16	1	0
28/03/2023 21:10	0.6	59	22	1	0.1
28/03/2023 21:20	0.8	80	24	1.4	0
28/03/2023 21:30	0.3	135	21	0.8	0.1
28/03/2023 21:40	0.7	326	22	1.2	0
28/03/2023 21:50	0.3	300	3	0.8	0
28/03/2023 22:00	0.8	27	17	1.2	0
28/03/2023 22:10	1.1	43	17	1.6	0
28/03/2023 22:20	0.5	36	9	1.1	0
28/03/2023 22:30	1	35	16	1.4	0
28/03/2023 22:40	0.9	16	17	1.5	0
28/03/2023 22:50	0.4	20	13	1	0
28/03/2023 23:00	0.1	45	3	0.5	0.1
28/03/2023 23:10	0	74	7	0.6	0
28/03/2023 23:20	0.1	34	7	0.5	0
28/03/2023 23:30					0
28/03/2023 23:40	0.1	347	5	0.6	0
28/03/2023 23:50	0	159	0	0.4	0
29/03/2023 00:00	0.2	244	8	0.7	0
29/03/2023 00:10	0.8	340	7	1	0
29/03/2023 00:20	0.5	345	12	0.9	0
29/03/2023 00:30	0.5	345	6	0.8	0
29/03/2023 00:40	0.4	345	6	0.9	0
29/03/2023 00:50	0.5	2	12	0.8	0
29/03/2023 01:00	0.3	7	9	0.7	0
29/03/2023 01:10	0	355	3	0.4	0
29/03/2023 01:20	0.4	346	2	0.8	0
29/03/2023 01:30	0.3	344	4	0.8	0
29/03/2023 01:40	0.4	354	6	0.8	0
29/03/2023 01:50	0.1	345	7	0.8	0
29/03/2023 02:00	0	12	2	0.6	0
29/03/2023 02:10	0.2	43	14	0.7	0
29/03/2023 02:20					0
29/03/2023 02:30	0.2	352	8	1.1	0
29/03/2023 02:40	0.3	172	4	0.8	0
29/03/2023 02:50	0	13	1	0.4	0
29/03/2023 03:00	0.7	13	14	1	0
29/03/2023 03:10	0.8	30	15	1.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/03/2023 03:20	0.8	33	17	1.3	0
29/03/2023 03:30	0.7	30	18	1.1	0
29/03/2023 03:40	0.6	28	15	1.3	0
29/03/2023 03:50	0.8	26	16	1.2	0
29/03/2023 04:00	0.9	23	17	1.4	0
29/03/2023 04:10	0.8	10	15	1.2	0
29/03/2023 04:20	0.9	182	16	1.3	0
29/03/2023 04:30	0.7	16	16	1.2	0
29/03/2023 04:40	0.8	13	13	1.1	0
29/03/2023 04:50	0.7	21	16	1.1	0
29/03/2023 05:00	1	36	18	2	0
29/03/2023 05:10	0.6	37	20	1.2	0
29/03/2023 05:20	0.8	15	17	1.2	0
29/03/2023 05:30	0.8	20	18	1.2	0
29/03/2023 05:40	1	34	17	1.4	0
29/03/2023 05:50	0.8	36	19	1.3	0
29/03/2023 06:00	0.7	39	20	1.1	0
29/03/2023 06:10	0.6	31	18	0.9	0
29/03/2023 06:20	0.4	37	25	0.9	0
29/03/2023 06:30	0.8	46	19	1.7	0
29/03/2023 06:40	0.6	52	25	1.5	0
29/03/2023 06:50	0.7	51	23	1.2	0
29/03/2023 07:00	0.8	38	18	1.2	0
29/03/2023 07:10	0.6	40	23	1.5	0
29/03/2023 07:20	1.3	48	23	2	0
29/03/2023 07:30	1.3	59	26	2.3	0
29/03/2023 07:40	1.5	57	22	2.4	0
29/03/2023 07:50	1.8	73	23	3.1	0
29/03/2023 08:00	1.8	82	21	2.7	0
29/03/2023 08:10	2.2	83	21	3.3	0
29/03/2023 08:20	1.9	81	25	3.3	0
29/03/2023 08:30	1.9	97	26	3.6	0
29/03/2023 08:40	1.7	94	27	2.9	0
29/03/2023 08:50	1.9	89	22	3.3	0
29/03/2023 09:00	1.6	100	28	2.6	0
29/03/2023 09:10	1.9	90	24	3.2	0
29/03/2023 09:20	1.6	91	30	2.7	0
29/03/2023 09:30	1.7	80	23	3	0
29/03/2023 09:40	1.6	81	21	2.8	0
29/03/2023 09:50	1.7	91	29	2.8	0
29/03/2023 10:00	1.5	95	27	2.4	0
29/03/2023 10:10	1.4	90	29	2.4	0.2
29/03/2023 10:20	1.3	236	70	2.2	0.7
29/03/2023 10:30	1.2	289	35	1.9	0
29/03/2023 10:40	2.1	191	19	3.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/03/2023 10:50	1.9	166	33	3.1	0
29/03/2023 11:00	0.8	87	41	1.3	0
29/03/2023 11:10	0.3	16	25	0.8	0
29/03/2023 11:20	1	181	36	2.3	0
29/03/2023 11:30	0.3	351	35	0.8	0.1
29/03/2023 11:40	0.2	86	13	0.7	0.2
29/03/2023 11:50	0.6	84	25	1.3	0
29/03/2023 12:00	1	187	19	1.6	0
29/03/2023 12:10	0.7	140	47	1.5	0
29/03/2023 12:20	0.9	126	35	1.5	0
29/03/2023 12:30	1.3	124	33	2.4	0
29/03/2023 12:40	1.6	106	28	3.2	0
29/03/2023 12:50	2	79	23	3.5	0
29/03/2023 13:00	1.8	58	26	2.9	0.1
29/03/2023 13:10	2	66	21	3.6	0
29/03/2023 13:20	2	49	20	3.6	0.2
29/03/2023 13:30	1.8	46	21	3	0
29/03/2023 13:40	1.6	38	22	2.8	0.1
29/03/2023 13:50	1.6	23	26	2.6	0
29/03/2023 14:00	1	24	41	1.9	0
29/03/2023 14:10	0.7	148	41	1.8	0
29/03/2023 14:20	1.8	254	17	3.1	0
29/03/2023 14:30	2.8	247	19	4.4	0.1
29/03/2023 14:40	2	238	16	3	0
29/03/2023 14:50	1.4	225	21	2.4	0
29/03/2023 15:00	0.9	58	46	1.6	0
29/03/2023 15:10	1.2	44	26	2.2	0
29/03/2023 15:20	1.4	54	29	2.6	0
29/03/2023 15:30	1.4	56	26	2.4	0
29/03/2023 15:40	1.2	62	18	2	0
29/03/2023 15:50	1.5	41	20	2.4	0
29/03/2023 16:00	2	39	19	3	0
29/03/2023 16:10	2.2	36	25	3.7	0
29/03/2023 16:20	2.1	47	24	3.3	0
29/03/2023 16:30	2.8	23	24	4.4	0
29/03/2023 16:40	2.7	34	25	4.8	0
29/03/2023 16:50	2.7	24	23	4.4	0
29/03/2023 17:00	2.5	25	25	4.2	0
29/03/2023 17:10	2.3	35	21	3.7	0
29/03/2023 17:20	2	31	25	3.9	0
29/03/2023 17:30	1.9	30	27	3.3	0
29/03/2023 17:40	1.8	33	28	2.9	0
29/03/2023 17:50	1.7	27	29	2.8	0
29/03/2023 18:00	1.9	25	25	3.5	0
29/03/2023 18:10	2	30	28	3.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/03/2023 18:20	2.2	25	29	4.2	0
29/03/2023 18:30	2.1	26	27	3.6	0
29/03/2023 18:40	1.6	32	26	2.8	0
29/03/2023 18:50	1.8	33	29	3.1	0
29/03/2023 19:00	1.4	44	26	2.4	0
29/03/2023 19:10	1.2	57	24	1.7	0
29/03/2023 19:20	1.3	42	19	2	0
29/03/2023 19:30	1.2	49	22	2	0
29/03/2023 19:40	1.4	42	20	2.7	0
29/03/2023 19:50	1.2	41	23	2.2	0
29/03/2023 20:00	1.3	45	21	2	0
29/03/2023 20:10	1.4	46	21	2.3	0
29/03/2023 20:20	1	37	26	2	0
29/03/2023 20:30	1.1	34	27	1.9	0
29/03/2023 20:40	1.4	37	25	2.5	0
29/03/2023 20:50	1.1	39	32	2	0
29/03/2023 21:00	1.2	46	25	1.9	0
29/03/2023 21:10	1.6	50	15	2.3	0
29/03/2023 21:20	1.7	49	15	2.4	0
29/03/2023 21:30	1.7	46	17	2.5	0
29/03/2023 21:40	1.5	42	18	2.2	0
29/03/2023 21:50	1.3	47	16	2	0
29/03/2023 22:00	1.3	47	17	2	0
29/03/2023 22:10	1.6	46	16	2.2	0
29/03/2023 22:20	1.5	49	19	2.3	0
29/03/2023 22:30	1.6	45	21	2.7	0
29/03/2023 22:40	1.6	47	21	2.4	0
29/03/2023 22:50	1.6	50	19	2.3	0
29/03/2023 23:00	1.6	49	16	2.8	0
29/03/2023 23:10	1.8	48	14	2.5	0
29/03/2023 23:20	1.6	48	21	2.4	0
29/03/2023 23:30	1.6	47	20	2.8	0
29/03/2023 23:40	1.4	43	22	2.9	0
29/03/2023 23:50	1.7	45	23	2.9	0
30/03/2023 00:00	1.7	51	19	2.4	0
30/03/2023 00:10	1.9	46	20	3	0
30/03/2023 00:20	1.8	49	23	3.1	0
30/03/2023 00:30	1.7	43	21	2.8	0
30/03/2023 00:40	2.1	51	18	2.8	0
30/03/2023 00:50	1.8	42	22	3.2	0
30/03/2023 01:00	1.9	49	18	3.2	0
30/03/2023 01:10	1.9	47	21	3.2	0
30/03/2023 01:20	1.9	49	19	3.1	0
30/03/2023 01:30	1.7	46	19	2.8	0
30/03/2023 01:40	2.7	41	21	4.4	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/03/2023 01:50	2.4	47	18	3.7	0
30/03/2023 02:00	2.4	52	17	3.7	0
30/03/2023 02:10	1.9	45	18	2.8	0
30/03/2023 02:20	1.5	24	31	2.8	0
30/03/2023 02:30	0.3	211	47	0.8	0
30/03/2023 02:40	0.4	292	66	1.5	0
30/03/2023 02:50	2.3	24	33	4.3	0
30/03/2023 03:00	3	20	29	4.7	0
30/03/2023 03:10	3.1	16	22	4.8	0
30/03/2023 03:20	2.1	19	36	4.5	0
30/03/2023 03:30	1.5	25	41	2.9	0
30/03/2023 03:40	1.1	33	62	2.1	0
30/03/2023 03:50	1.5	27	45	3.4	0
30/03/2023 04:00	1.2	45	60	3.4	0
30/03/2023 04:10	0.8	41	53	2	0
30/03/2023 04:20	1.6	19	40	2.8	0
30/03/2023 04:30	1.2	41	36	2.2	0
30/03/2023 04:40	1.6	23	34	3.6	0
30/03/2023 04:50	1.2	22	39	2.3	0
30/03/2023 05:00	1.3	29	40	2.7	0
30/03/2023 05:10	1.2	37	33	2.4	0
30/03/2023 05:20	1.4	27	36	2.6	0
30/03/2023 05:30	1.1	36	34	1.9	0
30/03/2023 05:40	1.4	40	47	2.4	0
30/03/2023 05:50	1.4	193	53	3.2	0
30/03/2023 06:00	2.1	180	43	4.2	0
30/03/2023 06:10	1.9	322	47	4.2	0
30/03/2023 06:20	2	316	39	3.2	0
30/03/2023 06:30	2.2	326	41	4	0
30/03/2023 06:40	2.2	315	37	4	0
30/03/2023 06:50	2.4	313	46	4.9	0
30/03/2023 07:00	2.9	290	41	5.8	0
30/03/2023 07:10	2.4	281	40	4	0
30/03/2023 07:20	2.2	251	26	3.6	0
30/03/2023 07:30	1	275	62	1.8	0
30/03/2023 07:40	1	276	42	1.7	0
30/03/2023 07:50	1.2	280	38	2	0
30/03/2023 08:00	1.6	256	26	2.7	0.1
30/03/2023 08:10	1.3	251	25	2.2	0.1
30/03/2023 08:20	0.8	243	32	1.6	0
30/03/2023 08:30	1.1	235	39	1.9	0
30/03/2023 08:40	1.1	272	43	2	0
30/03/2023 08:50	2.6	43	29	5.5	1.8
30/03/2023 09:00	1.3	175	62	3.2	0
30/03/2023 09:10	1.9	282	42	3.6	0.1



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/03/2023 09:20	1.4	266	34	2.7	0
30/03/2023 09:30	1.5	276	46	3	0
30/03/2023 09:40	1.1	276	45	2	0
30/03/2023 09:50	1.3	268	40	2.3	0
30/03/2023 10:00	1.4	278	43	2.4	0
30/03/2023 10:10	1.5	265	26	2.6	0
30/03/2023 10:20	1.6	267	35	2.4	0
30/03/2023 10:30	1.5	257	24	2.4	0
30/03/2023 10:40	1.3	274	43	2.3	0
30/03/2023 10:50	1.2	267	31	2.3	0
30/03/2023 11:00	1.7	254	22	2.4	0
30/03/2023 11:10	1.6	252	25	2.8	0
30/03/2023 11:20	2	244	19	3.8	0
30/03/2023 11:30	1.4	280	40	2.7	0
30/03/2023 11:40	1.9	278	34	2.9	0
30/03/2023 11:50	1.8	277	39	3.6	0
30/03/2023 12:00	1.7	271	34	3	0
30/03/2023 12:10	1.8	305	45	3.2	0
30/03/2023 12:20	1.7	309	49	2.7	0
30/03/2023 12:30	2.2	256	37	3.7	0
30/03/2023 12:40	2.1	304	36	3.9	0
30/03/2023 12:50	2	282	38	3.2	0
30/03/2023 13:00	1.9	302	55	3.7	0
30/03/2023 13:10	2.2	289	43	3.9	0
30/03/2023 13:20	2	283	53	4	0
30/03/2023 13:30	2.4	321	36	4	0
30/03/2023 13:40	2	332	38	3.6	0
30/03/2023 13:50	2	279	50	3.9	0
30/03/2023 14:00	1.7	323	40	3.3	0
30/03/2023 14:10	2.2	318	39	4.4	0
30/03/2023 14:20	2.3	270	47	4.3	0
30/03/2023 14:30	2.2	301	48	3.6	0
30/03/2023 14:40	2.2	293	42	3.2	0
30/03/2023 14:50	2	303	48	3.4	0
30/03/2023 15:00	1.8	314	49	3.6	0
30/03/2023 15:10	2.2	292	40	3.9	0
30/03/2023 15:20	1.7	292	63	3.2	0
30/03/2023 15:30	1.9	319	35	3.1	0
30/03/2023 15:40	2.2	330	32	4	0
30/03/2023 15:50	2	298	37	3.6	0
30/03/2023 16:00	2.1	309	41	3.9	0
30/03/2023 16:10	1.9	303	37	3.6	0
30/03/2023 16:20	2	311	41	3.9	0
30/03/2023 16:30	1.7	284	55	2.8	0
30/03/2023 16:40	1.6	318	47	3.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/03/2023 16:50	2.1	317	33	4	0
30/03/2023 17:00	1.5	283	41	2.7	0
30/03/2023 17:10	1.8	295	44	2.9	0
30/03/2023 17:20	1.8	288	42	3.2	0
30/03/2023 17:30	1.9	276	43	3.2	0
30/03/2023 17:40	1.7	304	36	2.8	0
30/03/2023 17:50	1.8	316	30	3.3	0
30/03/2023 18:00	1.7	308	30	2.9	0
30/03/2023 18:10	1.3	286	37	1.9	0
30/03/2023 18:20	1.5	315	36	2.7	0
30/03/2023 18:30	1.2	293	47	2.3	0
30/03/2023 18:40	1.3	298	41	2.6	0
30/03/2023 18:50	1.3	255	34	2.4	0
30/03/2023 19:00	1.3	250	20	1.9	0
30/03/2023 19:10	1.5	256	17	2	0
30/03/2023 19:20	1.4	267	24	2.2	0
30/03/2023 19:30	1.1	284	32	2	0
30/03/2023 19:40	0.9	262	28	1.5	0
30/03/2023 19:50	1.2	245	17	1.7	0
30/03/2023 20:00	1	254	24	1.6	0
30/03/2023 20:10	1.2	256	23	2	0
30/03/2023 20:20	1.2	264	23	1.8	0
30/03/2023 20:30	1.4	260	26	2.1	0
30/03/2023 20:40	1.5	262	18	2.2	0
30/03/2023 20:50	1.3	259	18	1.9	0
30/03/2023 21:00	1.3	253	20	1.9	0
30/03/2023 21:10	1.1	265	24	1.7	0
30/03/2023 21:20	1	260	19	1.6	0
30/03/2023 21:30	0.3	252	12	0.8	0
30/03/2023 21:40	0.1	81	8	0.5	0
30/03/2023 21:50	0.1	56	7	0.4	0
30/03/2023 22:00	0.3	36	13	0.6	0
30/03/2023 22:10	0.4	167	11	0.9	0
30/03/2023 22:20	0.5	320	13	0.9	0
30/03/2023 22:30	0.2	304	6	0.7	0
30/03/2023 22:40	0.5	300	13	0.9	0
30/03/2023 22:50	0.5	286	18	1.2	0
30/03/2023 23:00	0.6	278	19	1	0
30/03/2023 23:10	0.5	269	21	1.2	0
30/03/2023 23:20	0.6	267	19	1	0
30/03/2023 23:30	0.2	289	5	0.8	0
30/03/2023 23:40	0.1	270	5	0.6	0
30/03/2023 23:50	0.1	346	3	0.6	0
31/03/2023 00:00	0.3	288	7	0.9	0
31/03/2023 00:10	0.1	36	11	0.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/03/2023 00:20	0.1	280	15	0.6	0
31/03/2023 00:30					0
31/03/2023 00:40	0.2	343	5	0.8	0
31/03/2023 00:50	0.5	183	28	0.8	0
31/03/2023 01:00					0
31/03/2023 01:10					0
31/03/2023 01:20	0.1	54	9	0.5	0
31/03/2023 01:30	0.2	85	7	0.8	0
31/03/2023 01:40	0.4	223	16	0.9	0
31/03/2023 01:50	0.5	334	9	1	0
31/03/2023 02:00	0.1	172	2	0.5	0
31/03/2023 02:10	0.4	356	23	1.1	0
31/03/2023 02:20	0.5	341	12	0.8	0
31/03/2023 02:30	0.3	179	14	0.9	0
31/03/2023 02:40	0.3	179	7	0.8	0.1
31/03/2023 02:50	0.4	159	8	0.8	0
31/03/2023 03:00	0.4	333	10	0.8	0
31/03/2023 03:10	0.2	172	4	0.8	0
31/03/2023 03:20					0
31/03/2023 03:30	0.1	28	3	0.8	0
31/03/2023 03:40	0.3	171	9	0.7	0
31/03/2023 03:50	0.2	244	12	0.8	0
31/03/2023 04:00	0.2	320	10	0.7	0
31/03/2023 04:10	0.4	320	17	0.9	0
31/03/2023 04:20	0.2	303	14	0.7	0
31/03/2023 04:30	0.2	192	13	0.8	0
31/03/2023 04:40	0.3	121	16	0.9	0
31/03/2023 04:50	1	207	26	1.7	0
31/03/2023 05:00	0.6	188	40	1.6	0
31/03/2023 05:10	0.9	171	32	1.8	0
31/03/2023 05:20	1	273	33	1.9	0
31/03/2023 05:30	0.7	179	54	1.9	0
31/03/2023 05:40	0.3	253	21	0.8	0
31/03/2023 05:50	0.3	31	13	0.9	0
31/03/2023 06:00	0.3	27	11	0.9	0
31/03/2023 06:10	0.1	47	2	0.6	0
31/03/2023 06:20	0.4	264	6	0.9	0
31/03/2023 06:30	0.1	272	5	0.6	0
31/03/2023 06:40	0.1	172	4	0.5	0
31/03/2023 06:50	0.2	75	10	0.7	0
31/03/2023 07:00	0.1	96	16	0.7	0
31/03/2023 07:10	0.4	138	21	1.1	0
31/03/2023 07:20	0.8	127	31	1.2	0
31/03/2023 07:30	1.2	117	27	2	0
31/03/2023 07:40	1.3	118	28	2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/03/2023 07:50	1.3	101	29	2.4	0
31/03/2023 08:00	1.4	119	34	2.4	0
31/03/2023 08:10	1.3	94	32	2	0
31/03/2023 08:20	1.2	104	27	1.9	0
31/03/2023 08:30	1.2	107	33	1.9	0
31/03/2023 08:40	1.7	133	31	2.8	0
31/03/2023 08:50	1.5	118	31	2.5	0
31/03/2023 09:00	1.5	86	31	2.4	0
31/03/2023 09:10	1.4	75	27	2.4	0
31/03/2023 09:20	1.6	82	28	2.6	0
31/03/2023 09:30	1.8	93	25	2.8	0
31/03/2023 09:40	1.8	87	40	3.3	0
31/03/2023 09:50	1.7	59	28	2.8	0
31/03/2023 10:00	1.2	51	39	2.5	0
31/03/2023 10:10	1.8	3	30	3.1	0
31/03/2023 10:20	1.5	19	46	2.5	0
31/03/2023 10:30	1.8	27	40	3.6	0
31/03/2023 10:40	2.4	8	31	4.4	0
31/03/2023 10:50	1.5	271	55	2.8	0
31/03/2023 11:00	2.1	343	52	3.9	0
31/03/2023 11:10	2.2	6	33	3.9	0
31/03/2023 11:20	2.2	10	30	4	0
31/03/2023 11:30	2.2	20	40	3.9	0
31/03/2023 11:40	2.2	14	33	3.7	0
31/03/2023 11:50	2.6	8	31	4.4	0
31/03/2023 12:00	2.8	12	32	5	0
31/03/2023 12:10	2.4	9	29	4	0
31/03/2023 12:20	2.2	180	34	4	0
31/03/2023 12:30	2.3	337	40	4	0
31/03/2023 12:40	2.2	342	37	4	0
31/03/2023 12:50	2.1	341	31	4.2	0
31/03/2023 13:00	2.6	178	31	4.9	0
31/03/2023 13:10	2.1	347	41	4.2	0
31/03/2023 13:20	2.2	16	37	3.8	0
31/03/2023 13:30	2.2	15	39	4	0
31/03/2023 13:40	2.3	18	34	4.3	0
31/03/2023 13:50	2.3	12	29	4	0
31/03/2023 14:00	2.2	21	33	4.2	0
31/03/2023 14:10	2.1	184	36	3.7	0
31/03/2023 14:20	2.1	15	34	3.7	0
31/03/2023 14:30	2.2	11	30	4.7	0
31/03/2023 14:40	2.1	24	33	3.7	0
31/03/2023 14:50	2.6	22	31	4	0
31/03/2023 15:00	2.4	15	28	4	0
31/03/2023 15:10	2.4	13	30	3.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/03/2023 15:20	2.7	15	26	4.8	0
31/03/2023 15:30	2.7	14	30	4.6	0
31/03/2023 15:40	2.6	15	32	4.5	0
31/03/2023 15:50	2.6	16	30	4.3	0
31/03/2023 16:00	2.4	7	37	4.2	0
31/03/2023 16:10	2.4	12	34	4	0
31/03/2023 16:20	2.4	11	34	4	0
31/03/2023 16:30	2.3	20	29	3.6	0
31/03/2023 16:40	2	16	31	3.8	0
31/03/2023 16:50	2	11	33	3.8	0
31/03/2023 17:00	1.9	16	36	3.8	0
31/03/2023 17:10	2.1	20	35	3.6	0
31/03/2023 17:20	2.1	19	29	3.4	0
31/03/2023 17:30	2	23	32	3.5	0
31/03/2023 17:40	1.9	21	31	3	0
31/03/2023 17:50	1.8	22	32	2.8	0
31/03/2023 18:00	1.7	21	31	3	0
31/03/2023 18:10	1.8	23	35	3.2	0
31/03/2023 18:20	1.6	26	32	2.8	0
31/03/2023 18:30	1.4	29	31	2.6	0
31/03/2023 18:40	1.1	28	33	2	0
31/03/2023 18:50	1.5	27	31	2.2	0
31/03/2023 19:00	1.4	39	28	2.3	0
31/03/2023 19:10	1.4	23	33	2.1	0
31/03/2023 19:20	1.5	26	30	2.5	0
31/03/2023 19:30	1.4	34	29	2.4	0
31/03/2023 19:40	1.2	26	27	2	0
31/03/2023 19:50	1.1	19	31	1.9	0
31/03/2023 20:00	1	171	39	1.9	0
31/03/2023 20:10	1	184	38	2	0
31/03/2023 20:20	0.9	183	30	1.6	0
31/03/2023 20:30	1	177	26	2	0
31/03/2023 20:40	1.1	25	27	1.8	0
31/03/2023 20:50	1.2	8	26	2.1	0
31/03/2023 21:00	0.9	17	24	1.4	0
31/03/2023 21:10	0.5	169	38	1.1	0
31/03/2023 21:20	0.5	346	34	1.5	0
31/03/2023 21:30	0.9	172	29	2	0
31/03/2023 21:40	0.5	353	20	1	0
31/03/2023 21:50	0	172	14	0.5	0
31/03/2023 22:00	0.2	164	21	0.9	0
31/03/2023 22:10	0.2	191	14	0.7	0
31/03/2023 22:20	0.9	39	22	1.5	0
31/03/2023 22:30	0.8	45	17	1.3	0
31/03/2023 22:40	1	36	23	1.7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/03/2023 22:50	0.7	45	22	1.5	0
31/03/2023 23:00	0.5	30	16	1.2	0
31/03/2023 23:10	0.3	186	12	0.8	0
31/03/2023 23:20	0.4	41	14	0.8	0
31/03/2023 23:30	0	43	0	0.4	0
31/03/2023 23:40	0.3	279	4	0.8	0
31/03/2023 23:50	0.2	159	5	0.7	0
04/01/2023 00:00	0.2	339	3	0.8	0
04/01/2023 00:10	0.3	338	7	0.8	0
04/01/2023 00:20	0.5	333	7	0.8	0
04/01/2023 00:30	0	354	0	0.4	0
04/01/2023 00:40	0	345	2	0.4	0
04/01/2023 00:50	0.3	304	4	0.8	0
04/01/2023 01:00	0.1	351	2	0.6	0
04/01/2023 01:10	0.1	289	1	0.6	0
04/01/2023 01:20	0.2	339	7	0.8	0
04/01/2023 01:30	0.3	74	39	0.9	0
04/01/2023 01:40	0.1	351	7	0.7	0
04/01/2023 01:50	0.4	342	6	0.9	0
04/01/2023 02:00	0.2	342	7	0.5	0
04/01/2023 02:10	0.3	182	12	0.8	0
04/01/2023 02:20	0.3	348	3	0.8	0
04/01/2023 02:30	0.3	29	6	0.7	0
04/01/2023 02:40	1	26	9	1.2	0
04/01/2023 02:50	1	18	14	1.2	0
04/01/2023 03:00	0.9	12	15	1.2	0
04/01/2023 03:10	0.6	8	18	1	0
04/01/2023 03:20	0.7	182	18	1	0
04/01/2023 03:30	1	21	11	1.2	0
04/01/2023 03:40	1	28	13	1.4	0
04/01/2023 03:50	1	31	11	1.4	0
04/01/2023 04:00	1.1	27	12	1.5	0
04/01/2023 04:10	1.1	23	12	1.4	0
04/01/2023 04:20	1.1	14	13	1.6	0
04/01/2023 04:30	1	16	13	1.6	0
04/01/2023 04:40	0.8	16	11	1.2	0
04/01/2023 04:50	0.8	15	13	1	0
04/01/2023 05:00	0.9	15	12	1.2	0
04/01/2023 05:10	0.7	11	14	0.9	0
04/01/2023 05:20	0.8	6	13	1	0
04/01/2023 05:30	0.9	13	13	1.2	0
04/01/2023 05:40	0.8	31	12	1.1	0
04/01/2023 05:50	0.8	23	13	1	0
04/01/2023 06:00	0.5	177	16	0.9	0
04/01/2023 06:10	1.3	346	10	1.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/01/2023 06:20	1.1	351	12	1.3	0
04/01/2023 06:30	0.3	354	13	1.1	0
04/01/2023 06:40	0.2	274	5	0.6	0
04/01/2023 06:50	0.2	343	10	0.8	0
04/01/2023 07:00	0.2	190	9	0.5	0
04/01/2023 07:10	0.5	57	20	0.9	0
04/01/2023 07:20	0.5	73	20	1.1	0
04/01/2023 07:30	0.3	70	28	1	0
04/01/2023 07:40	0.5	118	28	1.6	0
04/01/2023 07:50	1.4	120	34	2.4	0
04/01/2023 08:00	1.5	121	34	2.4	0
04/01/2023 08:10	1.4	119	28	2.3	0
04/01/2023 08:20	1.5	127	29	2.6	0
04/01/2023 08:30	1.5	128	31	2.4	0
04/01/2023 08:40	1.6	129	34	2.5	0
04/01/2023 08:50	1.5	125	24	2.7	0
04/01/2023 09:00	1.8	138	31	2.8	0
04/01/2023 09:10	1.7	137	30	2.8	0
04/01/2023 09:20	1.7	134	24	2.6	0
04/01/2023 09:30	1.7	126	30	2.8	0
04/01/2023 09:40	1.7	125	35	2.4	0
04/01/2023 09:50	1.8	130	33	2.8	0
04/01/2023 10:00	1.8	80	28	2.9	0
04/01/2023 10:10	1.7	91	36	2.8	0
04/01/2023 10:20	1.9	91	30	3.3	0
04/01/2023 10:30	2	108	33	3.7	0
04/01/2023 10:40	1.9	99	28	3.3	0
04/01/2023 10:50	2.1	92	30	3.4	0
04/01/2023 11:00	1.7	90	33	3.2	0
04/01/2023 11:10	1.6	92	26	3.2	0
04/01/2023 11:20	1.6	91	32	2.7	0
04/01/2023 11:30	1.7	45	30	3.2	0
04/01/2023 11:40	1.9	75	25	3.6	0
04/01/2023 11:50	2.1	63	35	3.6	0
04/01/2023 12:00	1.7	28	57	3.1	0
04/01/2023 12:10	1.4	39	53	2.8	0
04/01/2023 12:20	1.9	65	37	3.2	0
04/01/2023 12:30	2.2	69	31	3.7	0
04/01/2023 12:40	2	65	34	3.4	0
04/01/2023 12:50	2.2	72	25	3.6	0
04/01/2023 13:00	2.1	54	37	4.8	0
04/01/2023 13:10	2.3	59	30	3.3	0
04/01/2023 13:20	2.6	68	28	4.2	0
04/01/2023 13:30	1.8	37	43	3.2	0
04/01/2023 13:40	1	211	56	2.8	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/01/2023 13:50	1.4	182	49	2.7	0
04/01/2023 14:00	1.5	173	57	2.5	0
04/01/2023 14:10	1.3	40	45	2.1	0
04/01/2023 14:20	1.5	183	74	2.8	0
04/01/2023 14:30	2	163	32	3.6	0
04/01/2023 14:40	1.8	324	38	3.5	0
04/01/2023 14:50	1.7	166	37	2.9	0
04/01/2023 15:00	1.6	327	46	2.9	0
04/01/2023 15:10	1.8	313	43	3	0
04/01/2023 15:20	1.6	333	45	2.8	0
04/01/2023 15:30	1.4	324	49	2.8	0
04/01/2023 15:40	1.7	334	34	2.8	0
04/01/2023 15:50	1.8	294	50	3.4	0
04/01/2023 16:00	1.7	329	39	2.8	0
04/01/2023 16:10	1.9	334	36	3.6	0
04/01/2023 16:20	2.2	323	29	4	0
04/01/2023 16:30	2.2	335	28	3.9	0
04/01/2023 16:40	1.9	313	30	3.2	0
04/01/2023 16:50	1.6	301	41	3.2	0
04/01/2023 17:00	1.9	319	35	3.2	0
04/01/2023 17:10	1.4	303	39	2.5	0
04/01/2023 17:20	1.5	313	52	2.8	0
04/01/2023 17:30	1.5	326	33	2.6	0
04/01/2023 17:40	1.5	174	35	2.5	0
04/01/2023 17:50	1.4	168	31	2.4	0
04/01/2023 18:00	1.5	338	32	2.7	0
04/01/2023 18:10	1.3	329	42	2.4	0
04/01/2023 18:20	1.6	346	23	2.8	0
04/01/2023 18:30	1.7	339	35	2.8	0
04/01/2023 18:40	1.5	334	28	2.8	0
04/01/2023 18:50	1.7	349	29	3.2	0
04/01/2023 19:00	1.7	347	34	2.7	0
04/01/2023 19:10	1.4	181	35	2.7	0
04/01/2023 19:20	1.4	13	35	2.8	0
04/01/2023 19:30	1.4	181	34	2.4	0
04/01/2023 19:40	1.4	182	46	2.8	0
04/01/2023 19:50	1.7	340	27	2.8	0
04/01/2023 20:00	0.9	332	52	1.8	0
04/01/2023 20:10	1.3	341	35	2.3	0
04/01/2023 20:20	0.7	179	57	2.1	0
04/01/2023 20:30	1	273	61	2	0
04/01/2023 20:40	1.2	175	54	2.6	0
04/01/2023 20:50	0.6	326	56	1.5	0
04/01/2023 21:00	1.2	320	37	2.4	0
04/01/2023 21:10	1.5	305	36	2.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/01/2023 21:20	1.3	321	39	2.2	0
04/01/2023 21:30	1.5	312	27	2.5	0
04/01/2023 21:40	1.3	287	36	2	0
04/01/2023 21:50	1.2	280	39	2.4	0
04/01/2023 22:00	1	290	50	2	0
04/01/2023 22:10	1	266	48	1.6	0
04/01/2023 22:20	0.9	250	34	1.5	0
04/01/2023 22:30	0.9	261	38	1.7	0
04/01/2023 22:40	0.9	258	24	1.8	0
04/01/2023 22:50	1.4	258	22	2.1	0
04/01/2023 23:00	1.4	254	16	2.4	0
04/01/2023 23:10	1.3	255	17	2	0
04/01/2023 23:20	1.1	258	13	1.6	0
04/01/2023 23:30	1.1	263	17	1.9	0
04/01/2023 23:40	0.8	262	17	1.2	0
04/01/2023 23:50	0.8	262	14	1.2	0
04/02/2023 00:00	0.9	262	19	1.6	0
04/02/2023 00:10	1	268	19	1.6	0
04/02/2023 00:20	0.8	291	14	1.2	0
04/02/2023 00:30	0.8	280	15	1.2	0
04/02/2023 00:40	0.6	307	16	0.8	0
04/02/2023 00:50	0.8	283	15	1	0
04/02/2023 01:00	1	273	12	1.3	0
04/02/2023 01:10	0.8	286	18	1.2	0
04/02/2023 01:20	1	278	15	1.5	0
04/02/2023 01:30	1.1	287	17	1.4	0
04/02/2023 01:40	1	279	20	1.3	0
04/02/2023 01:50	0.8	261	18	1.1	0
04/02/2023 02:00	1	263	15	1.6	0
04/02/2023 02:10	1.2	272	18	1.7	0
04/02/2023 02:20	1.2	269	19	1.6	0
04/02/2023 02:30	1.1	253	18	1.6	0
04/02/2023 02:40	0.7	182	31	1.2	0
04/02/2023 02:50	0.1	88	10	0.7	0
04/02/2023 03:00	0.1	193	24	0.7	0
04/02/2023 03:10	0.2	128	15	0.5	0
04/02/2023 03:20	0.3	274	12	0.8	0
04/02/2023 03:30					0
04/02/2023 03:40	0.1	250	12	0.6	0
04/02/2023 03:50	0.1	196	9	0.6	0
04/02/2023 04:00					0
04/02/2023 04:10					0
04/02/2023 04:20	0.3	232	19	0.8	0
04/02/2023 04:30	0.4	231	13	0.9	0
04/02/2023 04:40	1.1	243	16	2.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/02/2023 04:50	1.3	252	15	1.9	0
04/02/2023 05:00	0.9	234	24	1.5	0
04/02/2023 05:10	1.4	254	17	2.2	0
04/02/2023 05:20	1.4	250	22	2.2	0
04/02/2023 05:30	1	229	25	2.2	0
04/02/2023 05:40	1.4	251	18	2.8	0
04/02/2023 05:50	1.5	254	17	2.3	0
04/02/2023 06:00	0.1	161	9	0.9	0
04/02/2023 06:10	0	209	6	0.5	0
04/02/2023 06:20	1.2	262	24	1.9	0
04/02/2023 06:30	1.6	256	15	2.2	0
04/02/2023 06:40	1.2	230	24	2.1	0
04/02/2023 06:50	0.4	170	14	0.9	0
04/02/2023 07:00	0.7	198	19	1.2	0
04/02/2023 07:10	1.7	230	21	2.6	0
04/02/2023 07:20	1.8	235	17	2.8	0
04/02/2023 07:30	1.9	225	21	2.9	0
04/02/2023 07:40	1.7	226	19	2.9	0
04/02/2023 07:50	2	225	22	3.1	0
04/02/2023 08:00	2	205	18	3	0
04/02/2023 08:10	2.3	195	18	3.4	0
04/02/2023 08:20	2.2	194	22	3.2	0
04/02/2023 08:30	2.2	195	20	3.2	0
04/02/2023 08:40	2.4	216	23	3.6	0
04/02/2023 08:50	2.3	214	22	3.4	0
04/02/2023 09:00	2.4	204	24	3.6	0
04/02/2023 09:10	2.4	229	19	3.8	0
04/02/2023 09:20	2.3	226	21	3.6	0
04/02/2023 09:30	2	209	32	3.8	0
04/02/2023 09:40	1.7	201	43	2.8	0
04/02/2023 09:50	1.6	232	58	2.6	0
04/02/2023 10:00	1.4	161	32	2.3	0
04/02/2023 10:10	1.6	163	39	2.8	0
04/02/2023 10:20	1.7	242	53	2.8	0
04/02/2023 10:30	1.6	256	52	3.3	0
04/02/2023 10:40	1.6	153	43	2.4	0
04/02/2023 10:50	1.6	265	55	3.3	0
04/02/2023 11:00	2.6	247	29	4	0
04/02/2023 11:10	2	255	21	3.5	0
04/02/2023 11:20	2.1	250	38	3.8	0
04/02/2023 11:30	2.5	232	21	3.8	0
04/02/2023 11:40	2.1	238	39	3.6	0
04/02/2023 11:50	1.5	222	41	2.8	0
04/02/2023 12:00	2.2	228	27	3.1	0
04/02/2023 12:10	2	325	48	3.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/02/2023 12:20	1.9	306	47	3.6	0
04/02/2023 12:30	1.7	283	44	3.7	0
04/02/2023 12:40	2	316	43	3.8	0
04/02/2023 12:50	1.9	267	53	3.4	0
04/02/2023 13:00	2	284	42	3.4	0
04/02/2023 13:10	2	314	46	3.5	0
04/02/2023 13:20	1.9	343	46	3.9	0
04/02/2023 13:30	2.2	322	31	3.7	0
04/02/2023 13:40	2.1	322	39	3.5	0
04/02/2023 13:50	1.9	326	46	3.6	0
04/02/2023 14:00	2.4	321	50	4.5	0
04/02/2023 14:10	2	328	37	3.2	0
04/02/2023 14:20	2.7	328	32	4.8	0
04/02/2023 14:30	2.3	325	35	4	0
04/02/2023 14:40	2.2	345	43	3.7	0
04/02/2023 14:50	2.6	335	35	4	0
04/02/2023 15:00	2.4	325	37	4	0
04/02/2023 15:10	2.5	324	31	4	0
04/02/2023 15:20	2.6	313	37	4.4	0
04/02/2023 15:30	2.4	320	41	3.6	0
04/02/2023 15:40	2.6	328	26	3.9	0
04/02/2023 15:50	3.1	329	22	4.3	0
04/02/2023 16:00	2.2	319	37	3.8	0
04/02/2023 16:10	2.6	332	34	4.5	0
04/02/2023 16:20	2.6	325	30	4.1	0
04/02/2023 16:30	2.3	324	40	3.8	0
04/02/2023 16:40	2.2	301	33	4	0
04/02/2023 16:50	2	318	36	3.6	0
04/02/2023 17:00	1.5	281	49	2.9	0
04/02/2023 17:10	1.9	288	43	3.5	0
04/02/2023 17:20	1.9	310	38	3.2	0
04/02/2023 17:30	1.7	300	50	3.1	0
04/02/2023 17:40	1.8	295	50	3	0
04/02/2023 17:50	1.4	280	50	2.6	0
04/02/2023 18:00	1.9	264	38	3.2	0
04/02/2023 18:10	1.6	282	42	3.1	0
04/02/2023 18:20	1.4	295	41	2.7	0
04/02/2023 18:30	1.4	292	42	2.5	0
04/02/2023 18:40	1.3	287	54	2.6	0
04/02/2023 18:50	1.5	298	50	2.8	0
04/02/2023 19:00	1.4	277	44	2.4	0
04/02/2023 19:10	1.5	279	41	2.7	0
04/02/2023 19:20	1.6	309	39	2.4	0
04/02/2023 19:30	1.4	297	47	2.3	0
04/02/2023 19:40	1.2	290	51	2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/02/2023 19:50	1.2	295	40	1.9	0
04/02/2023 20:00	1.1	271	46	1.8	0
04/02/2023 20:10	1.5	263	24	2.5	0
04/02/2023 20:20	1.3	269	32	2	0
04/02/2023 20:30	1.3	278	36	2	0
04/02/2023 20:40	1.3	258	32	2.1	0
04/02/2023 20:50	1.6	257	18	2.7	0
04/02/2023 21:00	1.9	256	19	2.8	0
04/02/2023 21:10	1.6	256	15	2.3	0
04/02/2023 21:20	1.9	260	17	2.6	0
04/02/2023 21:30	1.7	260	19	2.3	0
04/02/2023 21:40	1.7	265	17	2.6	0
04/02/2023 21:50	2	260	16	2.8	0
04/02/2023 22:00	1.6	268	17	2.6	0
04/02/2023 22:10	1.7	264	14	2.4	0
04/02/2023 22:20	1.7	268	19	2.8	0
04/02/2023 22:30	1.4	270	21	2.3	0
04/02/2023 22:40	2	257	16	3.2	0
04/02/2023 22:50	2.4	256	13	3.7	0
04/02/2023 23:00	2.2	258	18	3.4	0
04/02/2023 23:10	1.9	257	13	2.8	0
04/02/2023 23:20	1.8	266	17	2.5	0
04/02/2023 23:30	2	264	13	3	0
04/02/2023 23:40	2.1	259	15	3	0
04/02/2023 23:50	2.2	260	17	3.2	0
04/03/2023 00:00	2.1	262	15	3	0
04/03/2023 00:10	2	257	14	3.1	0
04/03/2023 00:20	2	260	14	2.8	0
04/03/2023 00:30	1.8	262	12	2.8	0
04/03/2023 00:40	2.2	259	17	3.7	0
04/03/2023 00:50	2.2	260	17	3.2	0
04/03/2023 01:00	2.1	260	20	2.9	0
04/03/2023 01:10	1.9	267	18	3.2	0
04/03/2023 01:20	1.9	266	20	2.9	0
04/03/2023 01:30	2	266	17	3.3	0
04/03/2023 01:40	2.2	265	21	4	0
04/03/2023 01:50	2.2	267	18	3.2	0
04/03/2023 02:00	1.9	267	21	3.3	0
04/03/2023 02:10	2.1	270	20	3.3	0
04/03/2023 02:20	2.3	257	18	3.5	0
04/03/2023 02:30	2.1	251	19	3.6	0
04/03/2023 02:40	2	252	20	3.2	0
04/03/2023 02:50	1.8	251	19	2.8	0
04/03/2023 03:00	1.7	257	19	2.7	0
04/03/2023 03:10	2.2	237	18	3.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/03/2023 03:20	2.1	239	18	3.1	0
04/03/2023 03:30	2.2	241	17	3.2	0
04/03/2023 03:40	2	242	18	2.9	0
04/03/2023 03:50	2.4	250	20	3.8	0
04/03/2023 04:00	2.2	243	22	3.6	0
04/03/2023 04:10	2.1	241	21	3.2	0
04/03/2023 04:20	2.2	244	20	3.6	0
04/03/2023 04:30	2.5	243	20	3.8	0
04/03/2023 04:40	2.5	246	19	3.6	0
04/03/2023 04:50	2.5	246	16	3.9	0
04/03/2023 05:00	2.8	247	15	4.2	0
04/03/2023 05:10	2.5	252	18	3.7	0
04/03/2023 05:20	2.4	246	17	3.5	0
04/03/2023 05:30	2.3	242	17	3.5	0
04/03/2023 05:40	1.6	242	20	2.6	0
04/03/2023 05:50	1.5	240	25	2.4	0
04/03/2023 06:00	1.6	236	24	2.6	0
04/03/2023 06:10	1.6	242	19	2.6	0
04/03/2023 06:20	1.7	243	24	2.6	0
04/03/2023 06:30	1.9	254	19	3.1	0
04/03/2023 06:40	1.7	251	20	2.6	0
04/03/2023 06:50	1.7	246	21	2.4	0
04/03/2023 07:00	1.9	229	21	2.7	0
04/03/2023 07:10	2.1	230	19	3.3	0
04/03/2023 07:20	2.2	223	22	3.3	0
04/03/2023 07:30	2.5	226	19	3.5	0
04/03/2023 07:40	2.9	224	23	4.3	0
04/03/2023 07:50	3	218	20	4.5	0
04/03/2023 08:00	2.6	214	21	3.8	0
04/03/2023 08:10	2.9	207	18	4.7	0
04/03/2023 08:20	3.1	216	17	4.5	0
04/03/2023 08:30	2.8	205	20	4.2	0
04/03/2023 08:40	2.9	217	19	4.1	0
04/03/2023 08:50	3	211	20	4.4	0
04/03/2023 09:00	2.4	210	23	3.8	0
04/03/2023 09:10	2.6	201	20	3.8	0
04/03/2023 09:20	2.4	216	24	3.8	0
04/03/2023 09:30	2.8	211	23	4.5	0
04/03/2023 09:40	2.4	224	21	3.6	0
04/03/2023 09:50	2.6	234	19	4	0
04/03/2023 10:00	2.4	233	23	4.1	0
04/03/2023 10:10	2.9	213	22	4.5	0
04/03/2023 10:20	2.6	242	27	4.4	0
04/03/2023 10:30	2.4	239	31	4.3	0
04/03/2023 10:40	2.6	230	22	4.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/03/2023 10:50	2.5	249	20	3.6	0
04/03/2023 11:00	2.4	259	28	4	0
04/03/2023 11:10	2.5	249	24	3.8	0
04/03/2023 11:20	2.7	245	18	3.6	0
04/03/2023 11:30	2.7	256	22	4.4	0
04/03/2023 11:40	2.3	256	19	3.4	0
04/03/2023 11:50	2.3	256	23	3.9	0
04/03/2023 12:00	2.8	250	24	4.4	0
04/03/2023 12:10	2.4	258	38	4.4	0
04/03/2023 12:20	2.8	241	21	4.4	0
04/03/2023 12:30	2.5	251	26	4	0
04/03/2023 12:40	2.4	262	19	3.9	0
04/03/2023 12:50	2.6	265	21	4	0
04/03/2023 13:00	2.6	252	21	4	0
04/03/2023 13:10	2.3	257	28	3.6	0
04/03/2023 13:20	1.9	292	47	3.7	0
04/03/2023 13:30	2	279	41	3.6	0
04/03/2023 13:40	2.3	279	36	3.6	0
04/03/2023 13:50	2.4	328	33	4.1	0
04/03/2023 14:00	2.4	337	34	4.4	0
04/03/2023 14:10	2.7	327	37	4.8	0
04/03/2023 14:20	2.8	332	29	5.2	0
04/03/2023 14:30	2.5	327	40	4.2	0
04/03/2023 14:40	2.4	329	33	3.9	0
04/03/2023 14:50	2.3	347	35	3.7	0
04/03/2023 15:00	2.7	330	27	4.8	0
04/03/2023 15:10	2.6	339	31	4.1	0
04/03/2023 15:20	2.6	330	34	4.3	0
04/03/2023 15:30	2.6	348	32	4.4	0
04/03/2023 15:40	2.5	316	33	4.2	0
04/03/2023 15:50	3.2	316	37	5.4	0
04/03/2023 16:00	2.7	317	35	4.3	0
04/03/2023 16:10	2.9	327	35	5.4	0
04/03/2023 16:20	2.5	355	36	4.9	0
04/03/2023 16:30	2.6	335	36	5.3	0
04/03/2023 16:40	2.8	340	38	4.8	0
04/03/2023 16:50	2.5	330	36	4.3	0
04/03/2023 17:00	2.9	326	28	5.4	0
04/03/2023 17:10	2.2	324	42	3.9	0
04/03/2023 17:20	2.3	339	42	4.1	0
04/03/2023 17:30	2.1	335	40	4.4	0
04/03/2023 17:40	2.2	324	31	3.8	0
04/03/2023 17:50	2.1	328	30	3.8	0
04/03/2023 18:00	2.2	326	43	4.2	0
04/03/2023 18:10	2.1	324	43	3.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/03/2023 18:20	1.8	318	43	3.6	0
04/03/2023 18:30	2	318	44	3.6	0
04/03/2023 18:40	2	323	37	3.5	0
04/03/2023 18:50	1.7	330	39	3.2	0
04/03/2023 19:00	1.7	287	47	2.8	0
04/03/2023 19:10	1.5	296	49	2.4	0
04/03/2023 19:20	1.6	316	41	2.9	0
04/03/2023 19:30	1.8	308	38	3	0
04/03/2023 19:40	1.6	305	42	3.5	0
04/03/2023 19:50	1.7	283	36	3.2	0
04/03/2023 20:00	1.2	290	47	2.4	0
04/03/2023 20:10	1.8	272	33	3.4	0
04/03/2023 20:20	1.7	267	29	2.6	0
04/03/2023 20:30	1.6	273	31	2.5	0
04/03/2023 20:40	1.5	272	36	2.7	0
04/03/2023 20:50	1.5	277	39	2.4	0
04/03/2023 21:00	1.7	263	29	2.6	0
04/03/2023 21:10	1.9	258	22	3.1	0
04/03/2023 21:20	1.9	260	25	2.9	0
04/03/2023 21:30	1.6	263	22	2.9	0
04/03/2023 21:40	2	256	18	3	0
04/03/2023 21:50	1.6	269	28	2.8	0
04/03/2023 22:00	2.1	257	20	3.4	0
04/03/2023 22:10	1.6	262	19	2.7	0
04/03/2023 22:20	1.4	272	24	2.1	0
04/03/2023 22:30	1.5	265	24	2.4	0
04/03/2023 22:40	1.6	269	21	2.3	0
04/03/2023 22:50	2	256	18	2.9	0
04/03/2023 23:00	2.3	256	19	3.6	0
04/03/2023 23:10	2.5	258	19	3.9	0
04/03/2023 23:20	2.5	254	16	3.6	0
04/03/2023 23:30	2.3	254	17	3.8	0
04/03/2023 23:40	2.3	255	20	3.7	0
04/03/2023 23:50	1.9	274	26	3.2	0
04/04/2023 00:00	1.7	270	23	2.6	0
04/04/2023 00:10	1.7	257	15	2.7	0
04/04/2023 00:20	2	257	20	2.8	0
04/04/2023 00:30	1.6	266	20	2.8	0
04/04/2023 00:40	1.9	258	15	2.8	0
04/04/2023 00:50	1.8	255	18	2.8	0
04/04/2023 01:00	1.9	258	14	2.6	0
04/04/2023 01:10	1.5	252	18	2.5	0
04/04/2023 01:20	1.9	246	16	3	0
04/04/2023 01:30	2.1	253	18	3.2	0
04/04/2023 01:40	2.1	245	17	3.3	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/04/2023 01:50	2.1	227	16	3.2	0
04/04/2023 02:00	1.8	232	22	2.9	0
04/04/2023 02:10	1.9	234	20	2.9	0
04/04/2023 02:20	1.7	235	20	2.8	0
04/04/2023 02:30	1.7	236	21	2.5	0
04/04/2023 02:40	2	244	21	3.2	0
04/04/2023 02:50	2.6	246	17	3.9	0
04/04/2023 03:00	2.6	243	16	3.7	0
04/04/2023 03:10	2.8	244	18	4.4	0
04/04/2023 03:20	2.6	244	19	3.8	0
04/04/2023 03:30	2.3	241	17	3.4	0
04/04/2023 03:40	2.6	240	14	4	0
04/04/2023 03:50	2.6	244	18	3.7	0
04/04/2023 04:00	1.7	242	22	2.7	0
04/04/2023 04:10	2.2	245	16	3.2	0
04/04/2023 04:20	2.1	237	21	3.3	0
04/04/2023 04:30	2.2	243	16	3.2	0
04/04/2023 04:40	2.2	242	16	3.5	0
04/04/2023 04:50	2	250	18	3.2	0
04/04/2023 05:00	2	252	18	3.3	0
04/04/2023 05:10	1.6	261	20	2.3	0
04/04/2023 05:20	1.5	264	15	2.1	0
04/04/2023 05:30	1.3	263	19	2.1	0
04/04/2023 05:40	1.5	271	15	2	0
04/04/2023 05:50	1.6	259	16	2.4	0
04/04/2023 06:00	1.7	253	15	2.6	0
04/04/2023 06:10	1.8	252	18	2.7	0
04/04/2023 06:20	1.8	256	19	2.8	0
04/04/2023 06:30	1.7	258	17	2.6	0
04/04/2023 06:40	1.7	264	16	2.4	0
04/04/2023 06:50	1.9	268	14	2.5	0
04/04/2023 07:00	1.6	270	17	2.2	0
04/04/2023 07:10	1.7	254	18	2.5	0
04/04/2023 07:20	1.9	252	17	2.8	0
04/04/2023 07:30	1.9	256	21	3.2	0
04/04/2023 07:40	2.1	240	22	3.3	0
04/04/2023 07:50	2.2	241	20	3.5	0
04/04/2023 08:00	2.2	246	21	3.5	0
04/04/2023 08:10	2.5	234	16	3.9	0
04/04/2023 08:20	2.6	236	20	4.2	0
04/04/2023 08:30	2.7	227	18	3.8	0
04/04/2023 08:40	2.7	225	19	4.2	0
04/04/2023 08:50	2.9	227	23	4.5	0
04/04/2023 09:00	2.8	237	24	4.1	0
04/04/2023 09:10	3	218	13	4.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/04/2023 09:20	2.9	221	19	4	0
04/04/2023 09:30	3.3	216	15	4.5	0
04/04/2023 09:40	2.9	231	17	4.3	0
04/04/2023 09:50	2.6	220	20	3.9	0
04/04/2023 10:00	2.5	243	26	3.6	0
04/04/2023 10:10	2.4	246	23	3.4	0
04/04/2023 10:20	2.3	242	22	3.3	0
04/04/2023 10:30	2.3	225	32	3.7	0
04/04/2023 10:40	1.9	221	23	3.2	0
04/04/2023 10:50	2	227	24	3.1	0
04/04/2023 11:00	2	242	34	3.8	0
04/04/2023 11:10	1.7	271	41	2.8	0
04/04/2023 11:20	1.9	258	33	3.2	0
04/04/2023 11:30	2.2	254	36	3.7	0
04/04/2023 11:40	1.8	260	34	3.2	0
04/04/2023 11:50	1.9	275	32	3.2	0
04/04/2023 12:00	1.8	283	39	2.9	0
04/04/2023 12:10	1.9	270	38	3.5	0
04/04/2023 12:20	1.7	283	41	3	0
04/04/2023 12:30	1.9	278	43	3.7	0
04/04/2023 12:40	1.9	311	42	3.2	0
04/04/2023 12:50	2	313	45	3.4	0
04/04/2023 13:00	1.9	309	50	3.8	0
04/04/2023 13:10	2.3	304	41	4.2	0
04/04/2023 13:20	2.6	327	31	4.3	0
04/04/2023 13:30	2.2	297	51	3.9	0
04/04/2023 13:40	2.6	338	36	4.1	0
04/04/2023 13:50	2.7	327	31	4.1	0
04/04/2023 14:00	2.6	319	40	4.4	0
04/04/2023 14:10	2.7	326	37	4.5	0
04/04/2023 14:20	3	336	23	4.8	0
04/04/2023 14:30	3.1	327	23	5.1	0
04/04/2023 14:40	2.6	326	38	4.2	0
04/04/2023 14:50	2.9	330	41	5.2	0
04/04/2023 15:00	3	327	33	5.2	0
04/04/2023 15:10	3.2	320	32	5.2	0
04/04/2023 15:20	3.3	329	25	5.6	0
04/04/2023 15:30	3.1	322	30	4.8	0
04/04/2023 15:40	2.6	320	46	4.8	0
04/04/2023 15:50	2.9	317	36	5.1	0
04/04/2023 16:00	2.9	327	34	4.8	0
04/04/2023 16:10	3	312	31	5.2	0
04/04/2023 16:20	2.8	315	31	5.1	0
04/04/2023 16:30	2.7	314	37	4.4	0
04/04/2023 16:40	3.1	320	28	4.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/04/2023 16:50	2.5	292	37	4.3	0
04/04/2023 17:00	2.4	264	33	4.3	0
04/04/2023 17:10	2.1	295	42	4.8	0
04/04/2023 17:20	2.3	273	37	3.9	0
04/04/2023 17:30	2.3	291	42	4.4	0
04/04/2023 17:40	2.3	258	27	3.9	0
04/04/2023 17:50	2.1	262	31	3.7	0
04/04/2023 18:00	2	263	29	3.6	0
04/04/2023 18:10	2.4	275	31	4	0
04/04/2023 18:20	2.6	259	28	4.6	0
04/04/2023 18:30	2.2	259	28	3.6	0
04/04/2023 18:40	2.2	255	23	3.8	0
04/04/2023 18:50	2	256	18	3.2	0
04/04/2023 19:00	2.2	259	17	3.7	0
04/04/2023 19:10	2	253	21	3.3	0
04/04/2023 19:20	2.1	262	26	3.6	0
04/04/2023 19:30	1.7	262	27	2.8	0
04/04/2023 19:40	1.9	253	22	3.2	0
04/04/2023 19:50	1.9	253	20	3.4	0
04/04/2023 20:00	2.2	259	21	3.5	0
04/04/2023 20:10	1.9	264	24	3	0
04/04/2023 20:20	1.8	268	21	2.7	0
04/04/2023 20:30	2.2	259	23	3.3	0
04/04/2023 20:40	2.4	257	20	3.6	0
04/04/2023 20:50	1.8	259	19	3.2	0
04/04/2023 21:00	2.3	259	17	3.8	0
04/04/2023 21:10	2.9	249	15	4.1	0
04/04/2023 21:20	2.4	252	17	3.6	0
04/04/2023 21:30	2.6	255	19	3.8	0
04/04/2023 21:40	2.7	254	17	4	0
04/04/2023 21:50	2.7	256	18	4.4	0
04/04/2023 22:00	2.2	263	18	3.6	0
04/04/2023 22:10	2.3	258	20	4.1	0
04/04/2023 22:20	2.9	255	19	4.5	0
04/04/2023 22:30	3.2	252	18	4.8	0
04/04/2023 22:40	2.9	254	16	4.4	0
04/04/2023 22:50	3.2	251	17	4.6	0
04/04/2023 23:00	3	253	20	4.5	0
04/04/2023 23:10	2.9	253	19	4.2	0
04/04/2023 23:20	2.4	251	20	3.7	0
04/04/2023 23:30	2.8	245	19	4.3	0
04/04/2023 23:40	2.4	243	18	3.9	0
04/04/2023 23:50	2.4	241	16	3.6	0
04/05/2023 00:00	2.4	239	19	3.4	0
04/05/2023 00:10	2.2	243	18	3.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/05/2023 00:20	1.9	246	19	2.8	0
04/05/2023 00:30	2.6	236	14	3.6	0
04/05/2023 00:40	2	245	15	3.1	0
04/05/2023 00:50	2	259	15	2.9	0
04/05/2023 01:00	1.7	260	18	2.6	0
04/05/2023 01:10	1.9	242	18	3.3	0
04/05/2023 01:20	2.3	236	16	3.3	0
04/05/2023 01:30	2.1	242	17	3.2	0
04/05/2023 01:40	1.8	255	18	2.9	0
04/05/2023 01:50	2.3	242	19	3.4	0
04/05/2023 02:00	2.3	240	17	3.2	0
04/05/2023 02:10	1.9	250	18	2.9	0
04/05/2023 02:20	1.8	245	16	2.6	0
04/05/2023 02:30	2.1	241	19	3.1	0
04/05/2023 02:40	2	241	22	2.9	0
04/05/2023 02:50	2.5	237	17	3.5	0
04/05/2023 03:00	2.5	233	18	4.2	0
04/05/2023 03:10	2.6	234	17	4.4	0
04/05/2023 03:20	2.7	235	17	4.2	0
04/05/2023 03:30	2.9	238	16	3.9	0
04/05/2023 03:40	2.7	238	15	4.1	0
04/05/2023 03:50	2.7	235	16	3.6	0
04/05/2023 04:00	2.5	245	18	3.6	0
04/05/2023 04:10	2.2	247	18	3.6	0
04/05/2023 04:20	2	256	16	2.9	0
04/05/2023 04:30	1.9	258	17	2.7	0
04/05/2023 04:40	2.1	252	16	3.2	0
04/05/2023 04:50	2.1	253	18	3.4	0
04/05/2023 05:00	2	250	18	3	0
04/05/2023 05:10	2	249	15	3.3	0
04/05/2023 05:20	1.9	251	18	3.1	0
04/05/2023 05:30	1.9	251	16	2.7	0
04/05/2023 05:40	1.9	250	19	2.7	0
04/05/2023 05:50	2.1	249	17	3	0
04/05/2023 06:00	1.8	260	19	2.7	0
04/05/2023 06:10	1.6	257	16	2.4	0
04/05/2023 06:20	2.1	240	16	3.1	0
04/05/2023 06:30	1.9	243	17	2.5	0
04/05/2023 06:40	1.8	250	19	2.7	0
04/05/2023 06:50	1.7	246	21	2.6	0
04/05/2023 07:00	1.9	247	19	2.8	0
04/05/2023 07:10	1.7	248	17	2.4	0
04/05/2023 07:20	1.5	253	19	2.1	0
04/05/2023 07:30	1.4	238	17	2	0
04/05/2023 07:40	1.6	239	23	2.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/05/2023 07:50	2	224	22	3.2	0
04/05/2023 08:00	1.9	242	20	2.8	0
04/05/2023 08:10	1.8	238	22	3.1	0
04/05/2023 08:20	2.3	238	21	3.3	0
04/05/2023 08:30	2.3	236	21	3.7	0
04/05/2023 08:40	2.2	247	18	3.2	0
04/05/2023 08:50	2.2	236	16	3	0
04/05/2023 09:00	1.9	234	23	2.9	0
04/05/2023 09:10	2.1	235	28	3.9	0
04/05/2023 09:20	2.2	247	23	3.4	0
04/05/2023 09:30	2.3	237	22	3.5	0
04/05/2023 09:40	2.4	259	20	3.6	0
04/05/2023 09:50	2.4	258	23	3.5	0
04/05/2023 10:00	2.2	259	21	3.4	0
04/05/2023 10:10	1.9	253	22	3.4	0
04/05/2023 10:20	1.8	260	40	3.2	0
04/05/2023 10:30	2.4	244	23	4	0
04/05/2023 10:40	2	253	37	3.6	0
04/05/2023 10:50	2.1	249	29	3.2	0
04/05/2023 11:00	2.1	260	40	3.9	0
04/05/2023 11:10	2.1	257	24	3.2	0
04/05/2023 11:20	1.8	266	49	3.1	0
04/05/2023 11:30	1.7	256	49	3.2	0
04/05/2023 11:40	2.3	237	20	3.6	0
04/05/2023 11:50	2.5	248	36	3.7	0
04/05/2023 12:00	2.9	247	23	4.3	0
04/05/2023 12:10	2.2	286	37	3.7	0
04/05/2023 12:20	2.2	289	46	3.7	0
04/05/2023 12:30	2	316	43	4.5	0
04/05/2023 12:40	2.2	301	41	4.1	0
04/05/2023 12:50	2.5	288	42	4.3	0
04/05/2023 13:00	2.4	309	40	4.4	0
04/05/2023 13:10	1.9	320	38	3.5	0
04/05/2023 13:20	2.3	325	41	4.4	0
04/05/2023 13:30	2.6	326	39	4.8	0
04/05/2023 13:40	2.5	317	46	4.5	0
04/05/2023 13:50	2.4	312	39	4	0
04/05/2023 14:00	2.9	316	32	4.1	0
04/05/2023 14:10	2.5	305	43	4.8	0
04/05/2023 14:20	2.4	283	38	3.9	0
04/05/2023 14:30	3	329	25	4.7	0
04/05/2023 14:40	2.6	319	34	4.3	0
04/05/2023 14:50	2.4	305	37	4.1	0
04/05/2023 15:00	2.3	284	36	4.2	0
04/05/2023 15:10	2.9	310	32	5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/05/2023 15:20	2.8	311	39	5.1	0
04/05/2023 15:30	3.1	324	22	5.2	0
04/05/2023 15:40	2.9	299	46	4.9	0
04/05/2023 15:50	3.2	318	29	4.8	0
04/05/2023 16:00	2.5	284	40	4.8	0
04/05/2023 16:10	2.8	300	38	4.9	0
04/05/2023 16:20	2.8	308	39	5.6	0
04/05/2023 16:30	2.3	279	49	4.4	0
04/05/2023 16:40	2.7	307	37	4.7	0
04/05/2023 16:50	2.7	310	40	4.4	0
04/05/2023 17:00	2.3	311	39	4.1	0
04/05/2023 17:10	2.3	305	42	4.1	0
04/05/2023 17:20	2.9	270	31	4.8	0
04/05/2023 17:30	2.5	266	31	4.4	0
04/05/2023 17:40	2.7	269	34	4.3	0
04/05/2023 17:50	2.2	271	31	4.4	0
04/05/2023 18:00	2.1	288	31	3.7	0
04/05/2023 18:10	2.4	267	30	3.4	0
04/05/2023 18:20	2.2	267	28	3.2	0
04/05/2023 18:30	2.3	270	25	3.4	0
04/05/2023 18:40	2.4	263	27	4.4	0
04/05/2023 18:50	2.4	263	20	3.6	0
04/05/2023 19:00	2.5	260	23	4.1	0
04/05/2023 19:10	2.3	257	21	3.4	0
04/05/2023 19:20	2.7	259	22	4.6	0
04/05/2023 19:30	2.6	261	17	3.9	0
04/05/2023 19:40	2.6	259	20	3.8	0
04/05/2023 19:50	3.2	259	20	5	0
04/05/2023 20:00	2.6	265	19	4.8	0
04/05/2023 20:10	2.9	252	18	4.6	0
04/05/2023 20:20	3.4	256	17	5.2	0
04/05/2023 20:30	3.2	256	19	4.8	0
04/05/2023 20:40	2.7	261	17	4.1	0
04/05/2023 20:50	3.2	259	21	5.1	0
04/05/2023 21:00	3	261	20	4.6	0
04/05/2023 21:10	2.9	257	19	4.4	0
04/05/2023 21:20	3.4	257	19	5.4	0
04/05/2023 21:30	3.2	258	21	5.3	0
04/05/2023 21:40	3.7	255	15	5.5	0
04/05/2023 21:50	3.6	253	14	5.2	0
04/05/2023 22:00	4.2	257	17	5.6	0
04/05/2023 22:10	3.4	254	18	5.2	0
04/05/2023 22:20	3.4	246	18	4.8	0
04/05/2023 22:30	3.1	255	22	5.2	0
04/05/2023 22:40	3.3	253	18	5.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/05/2023 22:50	3.4	249	20	5.3	0
04/05/2023 23:00	3.4	242	18	5.6	0
04/05/2023 23:10	3.1	244	18	4.8	0
04/05/2023 23:20	3	242	20	4.4	0
04/05/2023 23:30	3.2	235	17	5.1	0
04/05/2023 23:40	2.8	242	17	4.9	0
04/05/2023 23:50	2.9	239	15	4.5	0
04/06/2023 00:00	2.7	230	17	3.9	0
04/06/2023 00:10	2.8	236	15	3.9	0
04/06/2023 00:20	2.6	235	19	3.7	0
04/06/2023 00:30	1.9	249	19	3.2	0
04/06/2023 00:40	2.3	240	19	3.6	0
04/06/2023 00:50	2.7	237	16	4.2	0
04/06/2023 01:00	3	238	17	4.6	0
04/06/2023 01:10	3.5	237	17	5.3	0
04/06/2023 01:20	3.5	235	16	5	0
04/06/2023 01:30	3	238	20	4.8	0
04/06/2023 01:40	3.5	237	17	5.2	0
04/06/2023 01:50	3.1	237	18	4.2	0
04/06/2023 02:00	3.1	240	17	4.8	0
04/06/2023 02:10	2.8	240	16	4.4	0
04/06/2023 02:20	2.9	239	18	4.2	0
04/06/2023 02:30	2.7	238	20	4.2	0
04/06/2023 02:40	2.7	238	18	4.4	0
04/06/2023 02:50	3	237	17	4.4	0
04/06/2023 03:00	2.7	242	17	4	0
04/06/2023 03:10	2.8	244	20	4.3	0
04/06/2023 03:20	2.7	250	20	4.6	0
04/06/2023 03:30	3.1	244	15	4.5	0
04/06/2023 03:40	2.7	252	19	4.2	0
04/06/2023 03:50	2.7	245	15	4.1	0
04/06/2023 04:00	2.4	254	19	3.6	0
04/06/2023 04:10	2.6	253	19	3.8	0
04/06/2023 04:20	2.3	255	20	3.8	0
04/06/2023 04:30	2.2	253	19	3.7	0
04/06/2023 04:40	3	247	18	4.3	0
04/06/2023 04:50	2.4	247	19	4.1	0
04/06/2023 05:00	2.9	246	17	4.3	0
04/06/2023 05:10	2.9	242	19	4.4	0
04/06/2023 05:20	2.9	238	15	4.3	0
04/06/2023 05:30	2.7	238	16	3.9	0
04/06/2023 05:40	2.7	242	17	4.4	0
04/06/2023 05:50	2.6	243	17	4	0
04/06/2023 06:00	2.3	251	18	3.4	0
04/06/2023 06:10	2.6	250	17	4.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/06/2023 06:20	2.4	240	19	3.6	0
04/06/2023 06:30	1.8	245	18	2.8	0
04/06/2023 06:40	2	259	15	3.2	0
04/06/2023 06:50	2.3	262	15	3.2	0
04/06/2023 07:00	2.2	262	16	3.2	0
04/06/2023 07:10	2	247	16	2.8	0
04/06/2023 07:20	2.4	250	16	3.4	0
04/06/2023 07:30	2.1	255	19	3.2	0
04/06/2023 07:40	2.1	252	20	2.8	0
04/06/2023 07:50	2.2	242	17	3	0
04/06/2023 08:00	2.1	259	20	3	0
04/06/2023 08:10	2.1	265	15	3.2	0
04/06/2023 08:20	1.8	265	17	2.4	0
04/06/2023 08:30	1.5	258	23	2.4	0
04/06/2023 08:40	1.3	203	38	2	0
04/06/2023 08:50	1.1	191	24	2.2	0
04/06/2023 09:00	1.2	173	43	2.3	0
04/06/2023 09:10	1.5	193	24	2.2	0
04/06/2023 09:20	1.3	189	41	2.6	0
04/06/2023 09:30	1.1	147	36	2.4	0
04/06/2023 09:40	1.3	177	38	2.3	0
04/06/2023 09:50	1	126	44	1.7	0
04/06/2023 10:00	1.2	115	43	2.1	0
04/06/2023 10:10	1.4	106	29	2.7	0
04/06/2023 10:20	1.4	101	45	2.4	0
04/06/2023 10:30	1.2	84	38	2.4	0
04/06/2023 10:40	1.1	102	32	2.1	0
04/06/2023 10:50	1.3	134	37	2.4	0
04/06/2023 11:00	1.4	118	28	2.4	0
04/06/2023 11:10	1	68	58	1.9	0
04/06/2023 11:20	1.5	213	63	2.6	0
04/06/2023 11:30	2.2	254	22	3.6	0
04/06/2023 11:40	2.1	250	25	3.8	0
04/06/2023 11:50	2.1	258	33	3.4	0
04/06/2023 12:00	2.2	293	41	3.7	0
04/06/2023 12:10	1.8	301	38	3	0
04/06/2023 12:20	1.5	301	53	2.9	0
04/06/2023 12:30	1.8	273	48	2.8	0
04/06/2023 12:40	2	295	49	3.9	0
04/06/2023 12:50	2.1	308	40	3.4	0
04/06/2023 13:00	1.8	315	45	3.5	0
04/06/2023 13:10	2	295	42	3.4	0
04/06/2023 13:20	2.3	293	35	3.7	0
04/06/2023 13:30	2.6	293	31	4.2	0
04/06/2023 13:40	2.6	248	26	3.9	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/06/2023 13:50	2.7	255	28	4.3	0
04/06/2023 14:00	2.2	278	35	3.6	0
04/06/2023 14:10	2.1	294	45	3.7	0
04/06/2023 14:20	2.4	273	41	4.4	0
04/06/2023 14:30	2.9	274	39	5	0
04/06/2023 14:40	3.1	271	30	5.5	0
04/06/2023 14:50	2.9	259	24	4.8	0
04/06/2023 15:00	2.9	269	36	4.5	0
04/06/2023 15:10	3	261	25	4.9	0
04/06/2023 15:20	3	263	22	4.7	0
04/06/2023 15:30	2.8	266	25	4.4	0
04/06/2023 15:40	3.4	258	20	5.3	0
04/06/2023 15:50	2.8	259	24	4.6	0
04/06/2023 16:00	2.9	259	24	4.6	0
04/06/2023 16:10	3.6	254	18	5.1	0
04/06/2023 16:20	4.1	245	18	6.1	0
04/06/2023 16:30	4.6	240	17	6.4	0
04/06/2023 16:40	4.8	248	17	6.8	0
04/06/2023 16:50	4.5	245	19	6.6	0
04/06/2023 17:00	4.8	244	18	6.7	0
04/06/2023 17:10	4.2	252	19	6.5	0
04/06/2023 17:20	4.5	248	18	6.3	0
04/06/2023 17:30	4.5	252	20	6.6	0
04/06/2023 17:40	4.3	252	18	7.1	0
04/06/2023 17:50	3.9	254	19	6	0
04/06/2023 18:00	3.5	255	19	5.6	0
04/06/2023 18:10	4	256	22	6.3	0
04/06/2023 18:20	3.7	257	21	5.6	0
04/06/2023 18:30	3.5	256	20	5.9	0
04/06/2023 18:40	3.5	256	19	5.5	0
04/06/2023 18:50	4.2	251	16	6.5	0
04/06/2023 19:00	3.4	262	20	4.9	0
04/06/2023 19:10	3.5	257	23	5.8	0
04/06/2023 19:20	3.9	253	17	6.1	0
04/06/2023 19:30	4.5	251	16	6.3	0
04/06/2023 19:40	4.3	255	19	6.6	0
04/06/2023 19:50	3.8	254	16	5.7	0
04/06/2023 20:00	4	251	16	6.2	0
04/06/2023 20:10	3.8	253	15	6	0
04/06/2023 20:20	3.8	250	20	5.4	0
04/06/2023 20:30	3.3	249	19	4.9	0
04/06/2023 20:40	3.4	247	17	4.9	0
04/06/2023 20:50	3	244	19	4.7	0
04/06/2023 21:00	3.4	245	17	5.2	0
04/06/2023 21:10	3.4	253	21	5.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/06/2023 21:20	3.3	244	21	5.3	0
04/06/2023 21:30	3.1	242	18	4.5	0
04/06/2023 21:40	3.4	238	17	4.7	0
04/06/2023 21:50	2.9	243	21	4.6	0
04/06/2023 22:00	3.1	239	18	4.5	0
04/06/2023 22:10	2.9	238	19	4	0
04/06/2023 22:20	2.9	242	15	4.2	0
04/06/2023 22:30	2.5	238	16	4	0
04/06/2023 22:40	2.8	233	16	4.2	0
04/06/2023 22:50	2.8	236	19	4.3	0
04/06/2023 23:00	2.5	238	19	3.6	0
04/06/2023 23:10	2	239	19	2.9	0
04/06/2023 23:20	2	242	20	3.2	0
04/06/2023 23:30	2.1	231	16	3.1	0
04/06/2023 23:40	2.4	232	15	3.6	0
04/06/2023 23:50	2.4	236	17	3.2	0
04/07/2023 00:00	2.9	239	15	4.1	0
04/07/2023 00:10	2.7	236	17	4.6	0
04/07/2023 00:20	2.7	242	17	4.1	0
04/07/2023 00:30	2.4	234	17	3.6	0
04/07/2023 00:40	2.7	238	20	4	0
04/07/2023 00:50	2.8	241	16	3.8	0
04/07/2023 01:00	2.7	237	16	4	0
04/07/2023 01:10	2.7	242	12	3.6	0
04/07/2023 01:20	2.5	238	20	3.9	0
04/07/2023 01:30	2.8	241	16	4.1	0
04/07/2023 01:40	2.7	241	20	4.1	0
04/07/2023 01:50	2.9	240	19	4	0
04/07/2023 02:00	2.8	238	17	4.4	0
04/07/2023 02:10	2.5	244	21	4	0
04/07/2023 02:20	2.5	237	16	3.6	0
04/07/2023 02:30	2.4	243	18	3.6	0
04/07/2023 02:40	2.6	240	17	3.7	0
04/07/2023 02:50	2.6	244	17	3.8	0
04/07/2023 03:00	2.4	251	16	3.3	0
04/07/2023 03:10	1.9	252	22	3.4	0
04/07/2023 03:20	2.2	254	19	3.4	0
04/07/2023 03:30	2.2	249	18	3.4	0
04/07/2023 03:40	2.3	247	17	3.4	0
04/07/2023 03:50	1.9	252	16	3	0
04/07/2023 04:00	2.2	255	18	3.6	0
04/07/2023 04:10	2.8	254	15	4.2	0
04/07/2023 04:20	2.7	258	18	4	0
04/07/2023 04:30	2.5	246	17	4	0
04/07/2023 04:40	1.9	245	19	3.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/07/2023 04:50	1.8	256	18	2.8	0
04/07/2023 05:00	1.5	254	21	2.4	0
04/07/2023 05:10	2.3	265	13	3.1	0
04/07/2023 05:20	2.2	267	15	3	0
04/07/2023 05:30	2	264	15	2.8	0
04/07/2023 05:40	1.8	266	16	2.5	0
04/07/2023 05:50	1.9	265	15	2.6	0
04/07/2023 06:00	2	266	15	2.8	0
04/07/2023 06:10	1.6	270	15	2.6	0
04/07/2023 06:20	1.8	273	14	2.7	0
04/07/2023 06:30	1.9	269	16	2.5	0
04/07/2023 06:40	1.6	276	19	2.4	0
04/07/2023 06:50	1.8	273	18	2.6	0
04/07/2023 07:00	1.8	266	17	2.4	0
04/07/2023 07:10	1.8	267	19	2.8	0
04/07/2023 07:20	2.2	262	17	3.2	0
04/07/2023 07:30	2.5	260	16	3.6	0
04/07/2023 07:40	2.5	254	16	3.3	0
04/07/2023 07:50	2.3	241	18	3.5	0
04/07/2023 08:00	2.1	251	19	3	0
04/07/2023 08:10	2.2	254	18	3.2	0
04/07/2023 08:20	2.1	225	20	3	0
04/07/2023 08:30	2.2	247	20	3.4	0
04/07/2023 08:40	2.3	250	19	3.4	0
04/07/2023 08:50	2.1	236	25	3.2	0
04/07/2023 09:00	2.1	225	21	3.4	0
04/07/2023 09:10	2.3	235	24	3.7	0
04/07/2023 09:20	2.6	222	29	3.8	0
04/07/2023 09:30	3.3	219	15	4.6	0
04/07/2023 09:40	2.7	229	30	4.4	0
04/07/2023 09:50	2.9	244	23	4.5	0
04/07/2023 10:00	2.9	256	16	4.2	0
04/07/2023 10:10	2.6	253	21	3.9	0
04/07/2023 10:20	3.2	250	16	4.5	0
04/07/2023 10:30	2.7	255	22	4	0
04/07/2023 10:40	3.3	253	22	5	0
04/07/2023 10:50	2.9	253	25	4.3	0
04/07/2023 11:00	2.8	247	21	4.3	0
04/07/2023 11:10	2.7	254	22	3.8	0
04/07/2023 11:20	2.9	242	20	4.6	0
04/07/2023 11:30	3	256	21	4.3	0
04/07/2023 11:40	3	247	20	4.3	0
04/07/2023 11:50	3.1	254	18	4.4	0
04/07/2023 12:00	2.9	252	20	4.5	0
04/07/2023 12:10	3.2	253	19	5.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/07/2023 12:20	3.7	242	17	5.2	0
04/07/2023 12:30	3.9	241	18	5.3	0
04/07/2023 12:40	3.4	247	20	5.2	0
04/07/2023 12:50	3.5	247	18	5.1	0
04/07/2023 13:00	3.6	249	17	5.4	0
04/07/2023 13:10	4.1	247	16	6	0
04/07/2023 13:20	4.1	247	18	6	0
04/07/2023 13:30	4.3	247	17	6.2	0
04/07/2023 13:40	4.4	246	17	6	0
04/07/2023 13:50	4.8	245	17	6.6	0
04/07/2023 14:00	4.7	247	19	6.6	0
04/07/2023 14:10	5	245	17	6.8	0
04/07/2023 14:20	5.2	246	15	7.2	0
04/07/2023 14:30	5.2	250	15	7	0
04/07/2023 14:40	4.8	247	16	6.9	0
04/07/2023 14:50	4.7	249	17	7	0
04/07/2023 15:00	4.1	248	18	5.6	0
04/07/2023 15:10	4.6	249	17	6.6	0
04/07/2023 15:20	4.2	248	18	5.9	0
04/07/2023 15:30	4.5	245	15	6.4	0
04/07/2023 15:40	4.6	248	15	6.5	0
04/07/2023 15:50	4.6	246	17	6.4	0
04/07/2023 16:00	4.7	246	14	6.4	0
04/07/2023 16:10	4.2	250	15	6.2	0
04/07/2023 16:20	4.1	251	16	6	0
04/07/2023 16:30	4.5	251	16	6.7	0
04/07/2023 16:40	5	247	17	7.4	0
04/07/2023 16:50	4.4	251	16	6.8	0
04/07/2023 17:00	4.1	254	16	6	0
04/07/2023 17:10	4.1	252	17	5.8	0
04/07/2023 17:20	4.4	251	17	6.6	0
04/07/2023 17:30	3.8	256	17	6	0
04/07/2023 17:40	3.7	256	17	5.8	0
04/07/2023 17:50	4.3	254	19	6	0
04/07/2023 18:00	4.5	254	17	6.6	0
04/07/2023 18:10	4	254	18	6	0
04/07/2023 18:20	3.7	254	20	5.1	0
04/07/2023 18:30	3.8	257	18	5.9	0
04/07/2023 18:40	4.2	252	14	6	0
04/07/2023 18:50	3.8	252	20	5.6	0
04/07/2023 19:00	4.1	256	16	5.9	0
04/07/2023 19:10	3.7	258	16	5.9	0
04/07/2023 19:20	3.5	254	16	5.2	0
04/07/2023 19:30	3.7	255	16	5.1	0
04/07/2023 19:40	4.1	259	16	5.7	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/07/2023 19:50	3.4	257	17	4.8	0
04/07/2023 20:00	3.3	255	17	5	0
04/07/2023 20:10	3.2	256	18	4.7	0
04/07/2023 20:20	2.9	254	17	4.2	0
04/07/2023 20:30	3.4	256	15	5	0
04/07/2023 20:40	2.9	256	16	4.3	0
04/07/2023 20:50	3.5	255	14	5.2	0
04/07/2023 21:00	3.1	255	18	5	0
04/07/2023 21:10	3.8	257	17	5.7	0
04/07/2023 21:20	3.3	259	16	4.8	0
04/07/2023 21:30	3.4	256	16	4.8	0
04/07/2023 21:40	3.2	255	16	4.6	0
04/07/2023 21:50	2.7	254	18	4.1	0
04/07/2023 22:00	3.1	256	18	4.6	0
04/07/2023 22:10	3.3	255	17	5.5	0
04/07/2023 22:20	3.4	255	17	5.4	0
04/07/2023 22:30	3	254	18	4.6	0
04/07/2023 22:40	3.1	258	15	4.8	0
04/07/2023 22:50	2.8	258	18	4.5	0
04/07/2023 23:00	3	259	14	4.4	0
04/07/2023 23:10	2.8	260	19	4.3	0
04/07/2023 23:20	3.2	257	16	4.8	0
04/07/2023 23:30	2.6	261	15	4	0
04/07/2023 23:40	2.9	265	18	4.8	0
04/07/2023 23:50	2.8	263	16	4.5	0
04/08/2023 00:00	2.2	259	19	3.6	0
04/08/2023 00:10	2	257	21	3.4	0
04/08/2023 00:20	1.9	264	15	3	0
04/08/2023 00:30	1.9	261	18	3.1	0
04/08/2023 00:40	1.9	257	18	3.1	0
04/08/2023 00:50	2	259	17	3.2	0
04/08/2023 01:00	2.1	263	13	3.1	0
04/08/2023 01:10	2.3	266	15	3.4	0
04/08/2023 01:20	2.5	269	16	3.5	0
04/08/2023 01:30	2.1	269	21	3	0
04/08/2023 01:40	2.3	264	16	3.2	0
04/08/2023 01:50	2.2	269	16	3.1	0
04/08/2023 02:00	2.3	270	15	3.2	0
04/08/2023 02:10	2.5	272	15	3.6	0
04/08/2023 02:20	2.3	270	18	3.1	0
04/08/2023 02:30	2.2	275	15	3.2	0
04/08/2023 02:40	2.5	270	17	3.4	0
04/08/2023 02:50	2.4	271	16	3.5	0
04/08/2023 03:00	2	264	16	2.8	0
04/08/2023 03:10	2	271	15	2.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/08/2023 03:20	2.2	268	16	2.9	0
04/08/2023 03:30	2.2	268	17	3.1	0
04/08/2023 03:40	2	267	16	2.9	0
04/08/2023 03:50	2	274	15	2.6	0
04/08/2023 04:00	2.3	274	16	3.1	0
04/08/2023 04:10	2.1	268	16	3.1	0
04/08/2023 04:20	2	278	17	2.9	0
04/08/2023 04:30	2.1	272	16	3	0
04/08/2023 04:40	2	269	17	2.8	0
04/08/2023 04:50	2.2	250	16	3.2	0
04/08/2023 05:00	1.7	248	18	2.5	0
04/08/2023 05:10	2.1	251	18	3.1	0
04/08/2023 05:20	1.9	247	18	3.2	0
04/08/2023 05:30	2.1	248	15	2.8	0
04/08/2023 05:40	1.9	246	18	3	0
04/08/2023 05:50	1.8	240	19	2.7	0
04/08/2023 06:00	1.4	228	21	2.4	0
04/08/2023 06:10	1.2	231	20	2	0
04/08/2023 06:20	2.1	248	17	3.2	0
04/08/2023 06:30	1.8	270	18	2.4	0
04/08/2023 06:40	1.8	271	19	2.6	0
04/08/2023 06:50	1.6	272	16	2.4	0
04/08/2023 07:00	1.4	292	22	2.2	0
04/08/2023 07:10	1.4	283	21	2.1	0
04/08/2023 07:20	1.6	257	23	2.5	0
04/08/2023 07:30	1.2	260	28	2	0
04/08/2023 07:40	1.1	240	30	1.8	0
04/08/2023 07:50	1.2	232	22	2	0
04/08/2023 08:00	2	220	19	2.9	0
04/08/2023 08:10	2.2	238	19	3.1	0
04/08/2023 08:20	2.4	228	16	3.4	0
04/08/2023 08:30	2	242	23	3.1	0
04/08/2023 08:40	1.9	251	25	2.7	0
04/08/2023 08:50	1.7	208	24	3.1	0
04/08/2023 09:00	1.9	231	27	3	0
04/08/2023 09:10	1.6	265	21	2.5	0
04/08/2023 09:20	1.3	234	43	2.2	0
04/08/2023 09:30	1.2	234	43	2	0
04/08/2023 09:40	1.2	187	39	1.9	0
04/08/2023 09:50	1.3	159	41	2	0
04/08/2023 10:00	1.5	257	40	2.4	0
04/08/2023 10:10	1.6	238	25	2.3	0
04/08/2023 10:20	1.7	245	32	2.6	0
04/08/2023 10:30	2	256	22	3.2	0
04/08/2023 10:40	2.5	246	22	4.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/08/2023 10:50	2.8	243	19	4	0
04/08/2023 11:00	2.6	238	19	3.8	0
04/08/2023 11:10	2.3	251	27	3.7	0
04/08/2023 11:20	2.6	249	24	3.6	0
04/08/2023 11:30	3	248	19	4.3	0
04/08/2023 11:40	3.1	239	19	4.3	0
04/08/2023 11:50	2.9	242	20	4.2	0
04/08/2023 12:00	2.7	238	18	3.6	0
04/08/2023 12:10	2.9	235	16	4	0
04/08/2023 12:20	2.7	247	19	3.9	0
04/08/2023 12:30	2.5	245	23	4	0
04/08/2023 12:40	2.1	247	26	3.5	0
04/08/2023 12:50	2.2	231	25	3.6	0
04/08/2023 13:00	2.8	234	21	4.4	0
04/08/2023 13:10	2.6	254	21	4.3	0
04/08/2023 13:20	2.8	241	25	4.2	0
04/08/2023 13:30	3	241	20	4.2	0
04/08/2023 13:40	2.9	249	21	4.4	0
04/08/2023 13:50	3	243	19	4.5	0
04/08/2023 14:00	3.1	244	19	4.7	0
04/08/2023 14:10	3.2	248	17	4.5	0
04/08/2023 14:20	3	252	20	4.8	0
04/08/2023 14:30	2.4	266	24	3.9	0
04/08/2023 14:40	2.1	270	32	3.3	0
04/08/2023 14:50	2.8	266	25	5.2	0
04/08/2023 15:00	3.4	251	22	5.2	0
04/08/2023 15:10	4	236	14	5.5	0
04/08/2023 15:20	4.2	240	15	5.6	0
04/08/2023 15:30	4.2	240	18	6	0
04/08/2023 15:40	4.1	243	16	5.7	0
04/08/2023 15:50	4.6	240	17	6.3	0
04/08/2023 16:00	4.3	245	18	6.2	0
04/08/2023 16:10	4	244	19	5.7	0
04/08/2023 16:20	4.3	239	16	6	0
04/08/2023 16:30	4.2	246	17	5.8	0
04/08/2023 16:40	4.1	245	21	6	0
04/08/2023 16:50	4	245	19	6	0
04/08/2023 17:00	3.7	251	21	5.8	0
04/08/2023 17:10	4.1	248	18	6	0
04/08/2023 17:20	4	250	18	6	0
04/08/2023 17:30	3.5	252	19	5.6	0
04/08/2023 17:40	3.9	250	16	5.7	0
04/08/2023 17:50	3.8	250	13	5.6	0
04/08/2023 18:00	3.4	254	17	5.6	0
04/08/2023 18:10	3.3	254	16	4.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/08/2023 18:20	3.1	257	17	4.7	0
04/08/2023 18:30	3.5	251	15	5.1	0
04/08/2023 18:40	3.1	253	17	4.5	0
04/08/2023 18:50	3	258	16	4.8	0
04/08/2023 19:00	2.7	262	22	4.4	0
04/08/2023 19:10	3.1	253	18	4.8	0
04/08/2023 19:20	3.3	256	17	4.9	0
04/08/2023 19:30	3.7	253	15	5.4	0
04/08/2023 19:40	3.7	253	15	5.6	0
04/08/2023 19:50	3.6	255	18	5.5	0
04/08/2023 20:00	3.7	252	17	5.8	0
04/08/2023 20:10	3.9	254	18	5.5	0
04/08/2023 20:20	3.7	254	17	5.5	0
04/08/2023 20:30	3.8	251	16	5.6	0
04/08/2023 20:40	3.8	252	15	6	0
04/08/2023 20:50	3.8	254	18	6.1	0
04/08/2023 21:00	4	255	16	5.7	0
04/08/2023 21:10	3.6	256	14	5.1	0
04/08/2023 21:20	3.7	250	17	5.3	0
04/08/2023 21:30	3.5	248	17	5	0
04/08/2023 21:40	3.7	250	15	5.5	0
04/08/2023 21:50	3.4	256	18	5.6	0
04/08/2023 22:00	3.7	255	18	5.6	0
04/08/2023 22:10	3.5	244	20	5.4	0
04/08/2023 22:20	3.3	252	20	5	0
04/08/2023 22:30	3.5	252	18	5.4	0
04/08/2023 22:40	3.2	244	20	4.8	0
04/08/2023 22:50	3.4	255	21	5.2	0
04/08/2023 23:00	3.1	248	17	4.8	0
04/08/2023 23:10	2.8	251	19	3.9	0
04/08/2023 23:20	2.7	250	20	4.4	0
04/08/2023 23:30	2.9	254	18	4.2	0
04/08/2023 23:40	2.2	249	19	4.1	0
04/08/2023 23:50	2.5	243	22	3.8	0
04/09/2023 00:00	2.6	246	17	4	0
04/09/2023 00:10	2.4	243	15	3.6	0
04/09/2023 00:20	2.5	247	21	4	0
04/09/2023 00:30	2.6	247	16	3.5	0
04/09/2023 00:40	2.3	247	18	3.9	0
04/09/2023 00:50	2.8	240	16	4.3	0
04/09/2023 01:00	2.6	243	17	3.9	0
04/09/2023 01:10	2.6	244	19	4	0
04/09/2023 01:20	2.7	246	18	3.7	0
04/09/2023 01:30	2.4	250	19	3.7	0
04/09/2023 01:40	2.5	247	19	3.6	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/09/2023 01:50	3.1	245	17	4.7	0
04/09/2023 02:00	2.8	246	18	4.3	0
04/09/2023 02:10	3	242	16	4.7	0
04/09/2023 02:20	2.5	242	18	3.7	0
04/09/2023 02:30	2.4	237	16	3.7	0
04/09/2023 02:40	2.8	252	18	3.9	0
04/09/2023 02:50	2.4	252	17	3.6	0
04/09/2023 03:00	2.6	259	17	4.3	0
04/09/2023 03:10	2.7	259	17	3.8	0
04/09/2023 03:20	2.9	259	17	4	0
04/09/2023 03:30	2.7	255	15	4	0
04/09/2023 03:40	2.3	257	15	3.4	0
04/09/2023 03:50	2.7	270	16	3.8	0
04/09/2023 04:00	2.5	277	18	3.8	0
04/09/2023 04:10	2.6	271	17	3.6	0
04/09/2023 04:20	2.7	260	16	3.8	0
04/09/2023 04:30	2.5	255	18	3.6	0
04/09/2023 04:40	2.3	257	20	3.4	0
04/09/2023 04:50	2	251	18	2.9	0
04/09/2023 05:00	2.1	255	16	3	0
04/09/2023 05:10	2.2	259	16	3.2	0
04/09/2023 05:20	1.8	261	17	2.6	0
04/09/2023 05:30	1.7	269	17	2.5	0
04/09/2023 05:40	2.1	267	15	3	0
04/09/2023 05:50	2	271	15	2.8	0
04/09/2023 06:00	2.2	265	15	3	0
04/09/2023 06:10	2.1	265	11	2.9	0
04/09/2023 06:20	2	264	14	2.9	0
04/09/2023 06:30	1.9	252	12	2.7	0
04/09/2023 06:40	1.4	246	14	1.8	0
04/09/2023 06:50	1.5	251	19	2.5	0
04/09/2023 07:00	1.2	234	20	1.8	0
04/09/2023 07:10	1.7	242	17	2.4	0
04/09/2023 07:20	1.6	215	16	2.1	0
04/09/2023 07:30	1.6	234	15	2.1	0
04/09/2023 07:40	1.7	223	19	2.4	0
04/09/2023 07:50	2	236	23	2.8	0
04/09/2023 08:00	1.9	242	22	3.2	0
04/09/2023 08:10	2.5	234	18	3.6	0
04/09/2023 08:20	2.6	236	18	3.6	0
04/09/2023 08:30	2.4	238	21	3.5	0
04/09/2023 08:40	2	249	18	2.8	0
04/09/2023 08:50	2	251	16	2.8	0
04/09/2023 09:00	2.3	253	16	3.1	0
04/09/2023 09:10	2.3	253	19	3.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/09/2023 09:20	2.3	257	19	3.2	0
04/09/2023 09:30	2.1	254	19	2.8	0
04/09/2023 09:40	2.3	259	17	3.2	0
04/09/2023 09:50	2	254	24	3.2	0
04/09/2023 10:00	2.1	253	21	3	0
04/09/2023 10:10	2.1	248	21	2.9	0
04/09/2023 10:20	1.5	253	27	2.6	0
04/09/2023 10:30	1.6	267	27	2.7	0
04/09/2023 10:40	1.3	265	34	2.5	0
04/09/2023 10:50	1.4	245	56	2.4	0
04/09/2023 11:00	1.4	275	69	2.4	0
04/09/2023 11:10	1.5	316	44	3	0
04/09/2023 11:20	1.5	297	41	2.6	0
04/09/2023 11:30	1.8	301	43	3.4	0
04/09/2023 11:40	2.1	264	39	3.5	0
04/09/2023 11:50	2.5	251	28	3.7	0
04/09/2023 12:00	3.1	243	19	4.8	0
04/09/2023 12:10	3	249	22	4.9	0
04/09/2023 12:20	3	255	25	4.8	0
04/09/2023 12:30	3	250	25	5	0
04/09/2023 12:40	3	249	19	4.9	0
04/09/2023 12:50	2.8	251	24	4.4	0
04/09/2023 13:00	3.3	246	22	4.8	0
04/09/2023 13:10	3.3	245	20	4.8	0
04/09/2023 13:20	3.6	246	18	5.1	0
04/09/2023 13:30	3.8	242	17	5.2	0
04/09/2023 13:40	3.6	246	17	5.2	0
04/09/2023 13:50	3.8	249	20	5.4	0
04/09/2023 14:00	3.8	236	21	5.8	0
04/09/2023 14:10	3.6	243	18	5.6	0
04/09/2023 14:20	3.5	246	20	5.7	0
04/09/2023 14:30	3.8	242	18	5.2	0
04/09/2023 14:40	3.6	251	20	5	0
04/09/2023 14:50	3.5	249	18	5.2	0
04/09/2023 15:00	3.6	250	20	5.2	0
04/09/2023 15:10	3.1	256	22	4.9	0
04/09/2023 15:20	2.9	260	24	4.4	0
04/09/2023 15:30	3.6	253	21	5.4	0
04/09/2023 15:40	4	251	17	5.6	0
04/09/2023 15:50	4	248	18	5.7	0
04/09/2023 16:00	4.4	240	17	6.4	0
04/09/2023 16:10	4.3	243	18	6.4	0
04/09/2023 16:20	4.3	247	17	6.5	0
04/09/2023 16:30	4.1	244	18	6	0
04/09/2023 16:40	4.1	242	21	7.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/09/2023 16:50	4.4	243	19	6.1	0
04/09/2023 17:00	4.4	250	18	6.3	0
04/09/2023 17:10	4.5	248	18	6.6	0
04/09/2023 17:20	4.3	248	15	6	0
04/09/2023 17:30	4.6	246	16	6.6	0
04/09/2023 17:40	4.1	254	19	6.3	0
04/09/2023 17:50	4	256	20	6	0
04/09/2023 18:00	4.3	249	16	6.1	0
04/09/2023 18:10	3.8	257	17	6	0
04/09/2023 18:20	4.2	251	17	6.3	0
04/09/2023 18:30	3.7	256	15	5.4	0
04/09/2023 18:40	4.1	256	20	6	0
04/09/2023 18:50	4.4	252	15	6.3	0
04/09/2023 19:00	3.7	257	17	5.5	0
04/09/2023 19:10	3.9	256	14	5.4	0
04/09/2023 19:20	3.6	257	18	5.5	0
04/09/2023 19:30	4	255	16	5.7	0
04/09/2023 19:40	3.8	258	19	5.4	0
04/09/2023 19:50	3.6	254	16	5	0
04/09/2023 20:00	3.9	256	17	5.4	0
04/09/2023 20:10	4.2	255	15	5.6	0
04/09/2023 20:20	3.9	254	16	5.8	0
04/09/2023 20:30	4	254	14	5.7	0
04/09/2023 20:40	3.8	255	17	6.1	0
04/09/2023 20:50	3.8	249	19	5.6	0
04/09/2023 21:00	3.3	248	16	5.2	0
04/09/2023 21:10	3.4	246	19	5.6	0
04/09/2023 21:20	3.6	243	18	5.3	0
04/09/2023 21:30	3.2	249	18	4.8	0
04/09/2023 21:40	2.9	250	19	4.4	0
04/09/2023 21:50	3.1	240	21	4.8	0
04/09/2023 22:00	3.2	236	19	4.5	0
04/09/2023 22:10	3.1	233	15	4.8	0
04/09/2023 22:20	2.9	242	18	4.6	0
04/09/2023 22:30	2.7	239	16	4.4	0
04/09/2023 22:40	2.9	235	17	4.3	0
04/09/2023 22:50	2.9	235	16	4.4	0
04/09/2023 23:00	2.9	235	17	4.2	0
04/09/2023 23:10	3	236	15	4.2	0
04/09/2023 23:20	2.5	241	19	3.6	0
04/09/2023 23:30	3.2	235	18	4.8	0
04/09/2023 23:40	3.2	235	21	4.6	0
04/09/2023 23:50	3.7	237	16	5.5	0
04/10/2023 00:00	3.7	235	17	6	0
04/10/2023 00:10	3.7	239	16	5.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/10/2023 00:20	4	238	15	5.5	0
04/10/2023 00:30	3.5	237	17	5.5	0
04/10/2023 00:40	3.5	237	16	5.5	0
04/10/2023 00:50	3.8	237	17	5.5	0
04/10/2023 01:00	3.8	234	18	5.7	0
04/10/2023 01:10	3.9	235	19	5.6	0
04/10/2023 01:20	4.3	239	17	6.5	0
04/10/2023 01:30	4.2	238	18	6	0
04/10/2023 01:40	4.2	236	15	6.2	0
04/10/2023 01:50	4.2	238	18	6.3	0
04/10/2023 02:00	4.5	239	22	6.8	0
04/10/2023 02:10	4.3	236	17	6.4	0
04/10/2023 02:20	3.9	240	19	5.8	0
04/10/2023 02:30	3.8	242	17	5.6	0
04/10/2023 02:40	3.6	242	18	5.2	0
04/10/2023 02:50	3.5	241	19	5.2	0
04/10/2023 03:00	3.2	240	19	4.7	0
04/10/2023 03:10	2.8	242	20	4.3	0
04/10/2023 03:20	2.5	249	19	3.7	0
04/10/2023 03:30	2.4	257	18	3.7	0
04/10/2023 03:40	2.2	254	16	3.3	0
04/10/2023 03:50	2.3	253	18	3.2	0
04/10/2023 04:00	2.5	259	15	3.6	0
04/10/2023 04:10	2.7	259	14	3.8	0
04/10/2023 04:20	2.4	259	16	3.4	0
04/10/2023 04:30	2.1	263	17	3.1	0
04/10/2023 04:40	2.3	263	15	3.2	0
04/10/2023 04:50	2	258	18	3.1	0
04/10/2023 05:00	2.7	259	15	3.7	0
04/10/2023 05:10	2.4	252	16	3.6	0
04/10/2023 05:20	1.9	242	18	3.1	0
04/10/2023 05:30	1.7	249	16	2.4	0
04/10/2023 05:40	1.7	248	19	2.4	0
04/10/2023 05:50	1.9	258	14	2.6	0
04/10/2023 06:00	1.9	251	15	2.7	0
04/10/2023 06:10	2.2	252	17	3.2	0
04/10/2023 06:20	2.2	255	14	3	0
04/10/2023 06:30	2.3	251	17	3.4	0
04/10/2023 06:40	2.4	245	16	3.4	0
04/10/2023 06:50	3.1	250	18	4.8	0
04/10/2023 07:00	3	254	15	4	0
04/10/2023 07:10	3.1	256	17	4.1	0
04/10/2023 07:20	3.1	251	16	4.4	0
04/10/2023 07:30	3.3	251	16	4.6	0
04/10/2023 07:40	3.6	254	16	4.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/10/2023 07:50	3.2	253	14	4.4	0
04/10/2023 08:00	2.8	253	16	4.1	0
04/10/2023 08:10	2.9	257	18	3.9	0
04/10/2023 08:20	2.9	256	17	4	0
04/10/2023 08:30	2.9	256	14	4	0
04/10/2023 08:40	2.8	259	17	4	0
04/10/2023 08:50	2.9	257	18	4.2	0
04/10/2023 09:00	2.7	260	19	4	0
04/10/2023 09:10	3	257	15	4.1	0
04/10/2023 09:20	3.1	263	19	4.1	0
04/10/2023 09:30	3.1	261	16	4.1	0
04/10/2023 09:40	2.6	264	20	3.7	0
04/10/2023 09:50	2.6	265	19	4	0
04/10/2023 10:00	2.9	266	17	4.3	0
04/10/2023 10:10	3.5	263	15	4.8	0
04/10/2023 10:20	3.3	261	20	4.8	0
04/10/2023 10:30	3.4	259	19	5.6	0
04/10/2023 10:40	3.8	257	17	5.5	0
04/10/2023 10:50	3.8	257	20	5.6	0
04/10/2023 11:00	3.4	256	27	5.5	0
04/10/2023 11:10	3.3	265	24	4.7	0
04/10/2023 11:20	3.5	256	17	5.1	0
04/10/2023 11:30	3.5	253	21	5.6	0
04/10/2023 11:40	3.7	253	19	5.2	0
04/10/2023 11:50	3.5	251	21	5.6	0
04/10/2023 12:00	3.8	249	18	5.5	0
04/10/2023 12:10	4	251	19	6	0
04/10/2023 12:20	4.2	249	16	6	0
04/10/2023 12:30	4.6	253	17	6.4	0
04/10/2023 12:40	4.1	259	19	6	0
04/10/2023 12:50	4.2	262	21	6.4	0
04/10/2023 13:00	4.2	260	18	6.2	0
04/10/2023 13:10	4.1	258	20	6.2	0
04/10/2023 13:20	4.4	259	18	6.5	0
04/10/2023 13:30	4.4	255	17	6.3	0
04/10/2023 13:40	4.3	256	21	6.9	0
04/10/2023 13:50	4.3	257	19	6.2	0
04/10/2023 14:00	4.2	259	18	6.4	0
04/10/2023 14:10	4.6	255	16	7.2	0
04/10/2023 14:20	4.7	257	18	7	0
04/10/2023 14:30	4.9	249	15	7	0
04/10/2023 14:40	5.2	252	18	7.9	0
04/10/2023 14:50	5.5	250	13	7.5	0
04/10/2023 15:00	5	252	17	7.3	0
04/10/2023 15:10	5.4	252	17	7.7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/10/2023 15:20	4.9	256	18	7	0
04/10/2023 15:30	5.2	253	17	7.5	0
04/10/2023 15:40	4.6	255	19	7.5	0
04/10/2023 15:50	4.7	257	17	7.2	0
04/10/2023 16:00	4.8	252	18	7.6	0
04/10/2023 16:10	4.7	251	17	6.5	0
04/10/2023 16:20	4.8	253	15	7.1	0
04/10/2023 16:30	4.8	251	19	7.8	0
04/10/2023 16:40	5.1	254	17	7.2	0
04/10/2023 16:50	5.1	255	17	7.2	0
04/10/2023 17:00	5.4	253	15	7.7	0
04/10/2023 17:10	5.4	256	16	7.9	0
04/10/2023 17:20	5.1	254	16	7.4	0
04/10/2023 17:30	4.7	256	18	6.9	0
04/10/2023 17:40	4.8	256	18	7.4	0
04/10/2023 17:50	4.6	251	19	7	0
04/10/2023 18:00	4.3	258	18	6.5	0
04/10/2023 18:10	4.3	254	17	6.2	0
04/10/2023 18:20	4.4	245	17	7.2	0
04/10/2023 18:30	4.3	255	16	6.9	0
04/10/2023 18:40	3.8	256	18	6	0
04/10/2023 18:50	3.6	248	20	5.2	0
04/10/2023 19:00	3.7	247	20	5.6	0
04/10/2023 19:10	3.3	250	19	5.4	0
04/10/2023 19:20	3.7	247	18	5.6	0
04/10/2023 19:30	3.7	254	14	5.3	0
04/10/2023 19:40	3.5	249	18	5.2	0
04/10/2023 19:50	3.5	250	20	5.6	0
04/10/2023 20:00	3.7	250	18	5.6	0
04/10/2023 20:10	3.1	255	21	4.9	0
04/10/2023 20:20	2.8	245	16	4.4	0
04/10/2023 20:30	3.1	250	18	4.6	0
04/10/2023 20:40	2.8	247	20	4.7	0
04/10/2023 20:50	3	246	18	4.5	0
04/10/2023 21:00	3.1	246	17	4.5	0
04/10/2023 21:10	3.2	246	19	4.7	0
04/10/2023 21:20	2.8	249	20	5.2	0
04/10/2023 21:30	3	243	19	4.8	0
04/10/2023 21:40	2.7	241	20	3.9	0
04/10/2023 21:50	2.7	249	17	4.1	0
04/10/2023 22:00	2.7	252	20	4.8	0
04/10/2023 22:10	2.7	255	20	4.2	0
04/10/2023 22:20	2.4	253	18	3.4	0
04/10/2023 22:30	2.4	259	17	3.7	0
04/10/2023 22:40	2.3	258	19	3.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/10/2023 22:50	2.6	262	18	4.2	0
04/10/2023 23:00	2.5	261	19	3.7	0
04/10/2023 23:10	2.4	259	22	4	0
04/10/2023 23:20	2.5	258	17	3.8	0
04/10/2023 23:30	2.6	258	20	4.2	0
04/10/2023 23:40	2.5	259	19	3.9	0
04/10/2023 23:50	2.4	254	18	4.1	0
04/11/2023 00:00	2.2	257	16	3.4	0
04/11/2023 00:10	2.3	256	17	3.4	0
04/11/2023 00:20	2.2	255	16	3.2	0
04/11/2023 00:30	2.5	257	16	3.8	0
04/11/2023 00:40	2.5	261	17	3.7	0
04/11/2023 00:50	2.6	259	15	4	0
04/11/2023 01:00	2.5	263	20	3.7	0
04/11/2023 01:10	2.3	264	18	3.6	0
04/11/2023 01:20	2.6	263	16	3.6	0
04/11/2023 01:30	2.5	265	18	3.6	0
04/11/2023 01:40	2.4	268	14	3.3	0
04/11/2023 01:50	2.6	268	15	3.8	0
04/11/2023 02:00	2.6	266	18	3.7	0
04/11/2023 02:10	2.6	262	17	3.5	0
04/11/2023 02:20	2.6	258	16	3.6	0
04/11/2023 02:30	2.9	255	16	4.3	0
04/11/2023 02:40	2.8	254	18	4.2	0
04/11/2023 02:50	2.8	252	17	4.5	0
04/11/2023 03:00	2.6	262	18	3.4	0
04/11/2023 03:10	2.5	266	18	4.4	0
04/11/2023 03:20	2.4	269	18	3.6	0
04/11/2023 03:30	2.4	263	17	3.4	0
04/11/2023 03:40	2.2	256	16	3.6	0
04/11/2023 03:50	2.6	256	18	4	0
04/11/2023 04:00	2.5	257	16	3.5	0
04/11/2023 04:10	2.6	260	15	3.6	0
04/11/2023 04:20	3	264	15	4.1	0
04/11/2023 04:30	2.7	260	17	4	0
04/11/2023 04:40	2.3	260	18	3.6	0
04/11/2023 04:50	1.9	249	20	2.7	0
04/11/2023 05:00	2	253	20	3.2	0
04/11/2023 05:10	2.2	267	16	3.3	0
04/11/2023 05:20	2.1	270	17	3.2	0
04/11/2023 05:30	2	257	19	2.9	0
04/11/2023 05:40	2	253	17	2.8	0
04/11/2023 05:50	2	248	18	3.1	0
04/11/2023 06:00	1.9	247	17	2.5	0
04/11/2023 06:10	2	233	19	3.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/11/2023 06:20	2.5	245	18	3.6	0
04/11/2023 06:30	2.5	255	17	4	0
04/11/2023 06:40	2.6	264	15	3.6	0
04/11/2023 06:50	2.7	256	17	4.4	0
04/11/2023 07:00	2.8	253	20	4.4	0
04/11/2023 07:10	2.2	229	21	3.8	0
04/11/2023 07:20	2.9	233	19	4.2	0
04/11/2023 07:30	3.2	220	18	4.8	0
04/11/2023 07:40	3.1	207	20	4.8	0
04/11/2023 07:50	2.6	202	19	4.4	0
04/11/2023 08:00	2.6	192	21	4	0
04/11/2023 08:10	3.3	188	21	5.6	0
04/11/2023 08:20	3	185	16	4.5	0
04/11/2023 08:30	2.9	190	18	4.6	0
04/11/2023 08:40	3	183	20	4.5	0
04/11/2023 08:50	2.9	186	27	4.8	0
04/11/2023 09:00	2.4	195	22	3.8	0
04/11/2023 09:10	1.9	194	29	3.2	0
04/11/2023 09:20	1.8	179	26	3.2	0
04/11/2023 09:30	2	192	20	3.4	0
04/11/2023 09:40	1.6	170	36	2.9	0
04/11/2023 09:50	1.1	119	38	2.4	0
04/11/2023 10:00	1.1	117	41	1.9	0
04/11/2023 10:10	1.2	152	35	2	0
04/11/2023 10:20	1.3	157	32	2.3	0
04/11/2023 10:30	1.2	166	32	2	0
04/11/2023 10:40	1.2	147	52	2.2	0
04/11/2023 10:50	0.9	119	64	1.4	0
04/11/2023 11:00	0.7	187	40	1.2	0
04/11/2023 11:10	1	163	41	2	0
04/11/2023 11:20	1.2	126	43	2	0
04/11/2023 11:30	1	109	57	1.6	0
04/11/2023 11:40	1	49	50	1.6	0
04/11/2023 11:50	1.2	91	47	2	0
04/11/2023 12:00	1.9	245	38	3	0
04/11/2023 12:10	2.1	263	25	3.2	0
04/11/2023 12:20	2	238	44	3.4	0
04/11/2023 12:30	2.6	248	16	4.3	0
04/11/2023 12:40	2.3	260	20	3.4	0
04/11/2023 12:50	1.7	246	33	2.8	0
04/11/2023 13:00	1.9	250	27	3	0
04/11/2023 13:10	2	256	41	3.4	0
04/11/2023 13:20	1.8	277	46	3.2	0
04/11/2023 13:30	1.7	302	48	3.2	0
04/11/2023 13:40	2	276	41	3.6	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/11/2023 13:50	2	304	45	3.9	0
04/11/2023 14:00	2.1	306	46	3.6	0
04/11/2023 14:10	2.5	331	27	4	0
04/11/2023 14:20	2.5	329	31	4.1	0
04/11/2023 14:30	2.4	323	35	3.8	0
04/11/2023 14:40	2.6	320	28	4.3	0
04/11/2023 14:50	2.1	324	46	3.9	0
04/11/2023 15:00	2.3	313	37	4.3	0
04/11/2023 15:10	2.4	327	27	4	0
04/11/2023 15:20	2	326	42	3.6	0
04/11/2023 15:30	2.3	262	31	4	0
04/11/2023 15:40	2.1	283	43	3.5	0
04/11/2023 15:50	2.3	273	33	4	0
04/11/2023 16:00	2.2	288	37	4.1	0
04/11/2023 16:10	2.1	279	37	3.4	0
04/11/2023 16:20	2.3	300	33	3.6	0
04/11/2023 16:30	2.1	303	39	3.5	0
04/11/2023 16:40	1.8	284	41	3.2	0
04/11/2023 16:50	2.1	318	31	3.7	0
04/11/2023 17:00	1.7	292	45	3.3	0
04/11/2023 17:10	1.9	284	37	3.2	0
04/11/2023 17:20	1.9	302	42	3.5	0
04/11/2023 17:30	2.1	291	42	3.4	0
04/11/2023 17:40	2.4	273	36	3.7	0
04/11/2023 17:50	1.8	284	38	3.3	0
04/11/2023 18:00	2.1	280	39	3.9	0
04/11/2023 18:10	2	272	33	3.4	0
04/11/2023 18:20	2.1	268	28	3.2	0
04/11/2023 18:30	2.1	265	28	3.6	0
04/11/2023 18:40	2.3	256	22	3.5	0
04/11/2023 18:50	2.5	259	19	3.9	0
04/11/2023 19:00	2.7	260	22	4	0
04/11/2023 19:10	2.6	259	16	3.8	0
04/11/2023 19:20	3	259	15	4.6	0
04/11/2023 19:30	3.5	257	13	4.8	0
04/11/2023 19:40	3.4	261	15	4.8	0
04/11/2023 19:50	2.3	267	21	3.2	0
04/11/2023 20:00	2	272	17	3.2	0
04/11/2023 20:10	2.3	276	21	3.3	0
04/11/2023 20:20	2.3	273	21	3.8	0
04/11/2023 20:30	2.7	263	15	4.1	0
04/11/2023 20:40	3.4	258	16	4.8	0
04/11/2023 20:50	3.4	261	14	4.8	0
04/11/2023 21:00	3.5	258	16	4.7	0
04/11/2023 21:10	2.9	262	17	4.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/11/2023 21:20	3	266	19	4.7	0
04/11/2023 21:30	3.5	264	16	5.2	0
04/11/2023 21:40	3.6	256	13	5	0
04/11/2023 21:50	3.4	262	14	5.1	0
04/11/2023 22:00	3.1	261	15	4.8	0
04/11/2023 22:10	3.4	262	17	5.3	0
04/11/2023 22:20	3.1	262	17	4.9	0
04/11/2023 22:30	2.8	263	16	4.1	0
04/11/2023 22:40	3.1	260	13	4.6	0
04/11/2023 22:50	3	261	16	4.2	0
04/11/2023 23:00	2.4	264	16	3.4	0
04/11/2023 23:10	3	256	15	4	0
04/11/2023 23:20	2.9	257	14	3.8	0
04/11/2023 23:30	2.4	253	15	3.6	0
04/11/2023 23:40	2.1	258	19	3.2	0
04/11/2023 23:50	1.9	253	16	2.6	0
04/12/2023 00:00	2.1	259	16	3.3	0
04/12/2023 00:10	2.3	258	14	3.3	0
04/12/2023 00:20	2.1	251	16	3.2	0
04/12/2023 00:30	2.3	256	16	3.2	0
04/12/2023 00:40	1.9	258	14	2.7	0
04/12/2023 00:50	2.1	249	15	3.1	0
04/12/2023 01:00	2	242	16	2.8	0
04/12/2023 01:10	0.3	240	20	0.9	0
04/12/2023 01:20	0.5	201	21	0.8	0
04/12/2023 01:30					0
04/12/2023 01:40	0.2	358	7	0.8	0
04/12/2023 01:50	0.1	3	4	0.4	0
04/12/2023 02:00	0.1	21	5	0.5	0
04/12/2023 02:10	0.1	6	6	0.6	0
04/12/2023 02:20					0
04/12/2023 02:30	0.1	26	3	0.4	0
04/12/2023 02:40	0.1	41	4	0.5	0
04/12/2023 02:50	0.7	39	16	1.2	0
04/12/2023 03:00	0.5	39	21	1.2	0
04/12/2023 03:10	0.4	48	24	0.8	0
04/12/2023 03:20	0	35	3	0.4	0
04/12/2023 03:30					0
04/12/2023 03:40					0
04/12/2023 03:50					0
04/12/2023 04:00	0.5	46	20	0.8	0
04/12/2023 04:10	0.2	54	15	0.9	0
04/12/2023 04:20	0.5	79	31	1.5	0
04/12/2023 04:30	0.9	97	28	2.2	0
04/12/2023 04:40	0.5	56	26	1.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/12/2023 04:50	0.3	53	18	0.8	0
04/12/2023 05:00					0
04/12/2023 05:10	0	124	2	0.7	0
04/12/2023 05:20	0	43	6	0.5	0
04/12/2023 05:30	0.1	63	15	0.5	0
04/12/2023 05:40	0.1	58	15	0.6	0
04/12/2023 05:50	0.1	53	12	0.5	0
04/12/2023 06:00	0.1	14	14	0.6	0
04/12/2023 06:10	0.1	183	10	0.4	0
04/12/2023 06:20	0.3	41	36	0.8	0
04/12/2023 06:30	0.1	49	16	0.5	0
04/12/2023 06:40	0.2	212	34	0.8	0
04/12/2023 06:50	0.2	42	22	0.7	0
04/12/2023 07:00	0.2	42	24	0.8	0
04/12/2023 07:10	0.3	70	24	0.8	0
04/12/2023 07:20	0.6	89	21	1.2	0
04/12/2023 07:30	0.7	95	28	1.2	0
04/12/2023 07:40	0.9	109	28	2.1	0
04/12/2023 07:50	0.8	101	26	1.5	0
04/12/2023 08:00	0.9	97	25	1.4	0
04/12/2023 08:10	0.9	94	32	1.7	0
04/12/2023 08:20	1	101	29	1.6	0
04/12/2023 08:30	0.9	99	29	1.5	0
04/12/2023 08:40	1.1	104	27	1.7	0
04/12/2023 08:50	1.3	103	28	2.3	0
04/12/2023 09:00	1.6	101	28	2.8	0
04/12/2023 09:10	1.8	93	24	2.9	0
04/12/2023 09:20	1.7	101	28	2.7	0
04/12/2023 09:30	1.3	111	32	2.1	0
04/12/2023 09:40	1.7	107	32	2.8	0
04/12/2023 09:50	2.2	100	27	4	0
04/12/2023 10:00	2	97	36	3.8	0
04/12/2023 10:10	2.3	90	33	4	0
04/12/2023 10:20	2.7	81	25	4.4	0
04/12/2023 10:30	2.4	83	28	4.5	0
04/12/2023 10:40	2.4	91	31	4	0
04/12/2023 10:50	2.5	83	33	4.1	0
04/12/2023 11:00	2.7	83	25	4.4	0
04/12/2023 11:10	3.2	97	26	5.2	0
04/12/2023 11:20	2.9	84	26	5	0
04/12/2023 11:30	2.9	72	29	4.3	0
04/12/2023 11:40	3	77	28	4.8	0
04/12/2023 11:50	3.2	79	26	5.4	0
04/12/2023 12:00	3.4	74	23	5.2	0
04/12/2023 12:10	3.6	86	27	5.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/12/2023 12:20	2.9	66	24	5.3	0
04/12/2023 12:30	2.7	64	26	4.4	0
04/12/2023 12:40	3.1	60	24	5.3	0
04/12/2023 12:50	3.2	59	24	5.2	0
04/12/2023 13:00	2.9	62	23	4.5	0
04/12/2023 13:10	2.6	65	22	4.3	0
04/12/2023 13:20	2.8	65	24	5	0
04/12/2023 13:30	2.5	65	27	3.8	0
04/12/2023 13:40	2.5	69	26	3.7	0
04/12/2023 13:50	2.6	63	25	4.7	0
04/12/2023 14:00	2.8	60	20	4.4	0
04/12/2023 14:10	3.1	59	21	4.7	0
04/12/2023 14:20	3.3	58	20	4.8	0
04/12/2023 14:30	3	50	21	4.5	0
04/12/2023 14:40	3.2	48	22	5.1	0
04/12/2023 14:50	3.1	46	25	4.9	0
04/12/2023 15:00	3	46	21	4.8	0
04/12/2023 15:10	2.7	52	23	4.5	0
04/12/2023 15:20	2.3	60	24	3.5	0
04/12/2023 15:30	2	69	23	3.3	0
04/12/2023 15:40	2	68	19	3.1	0
04/12/2023 15:50	2.2	57	22	3.7	0
04/12/2023 16:00	2.2	62	20	3.6	0
04/12/2023 16:10	2.3	54	21	3.8	0
04/12/2023 16:20	2.2	38	25	3.8	0
04/12/2023 16:30	2.5	42	23	4.1	0
04/12/2023 16:40	2.5	47	22	4	0
04/12/2023 16:50	2.7	51	18	4.4	0
04/12/2023 17:00	2.4	40	24	3.7	0
04/12/2023 17:10	2.4	45	20	3.8	0
04/12/2023 17:20	2.2	55	19	3.2	0
04/12/2023 17:30	2.2	56	18	3.5	0
04/12/2023 17:40	2	56	19	3.2	0
04/12/2023 17:50	1.7	57	23	3.1	0
04/12/2023 18:00	1.8	54	22	3.2	0
04/12/2023 18:10	2.1	50	18	3.2	0
04/12/2023 18:20	2.3	50	20	3.4	0
04/12/2023 18:30	2.1	52	19	3.7	0
04/12/2023 18:40	2.2	48	20	3.5	0
04/12/2023 18:50	2.1	47	23	3.4	0
04/12/2023 19:00	2.1	51	19	3.6	0
04/12/2023 19:10	2.1	45	21	3.6	0
04/12/2023 19:20	2	49	21	3.2	0
04/12/2023 19:30	1.9	46	17	2.7	0
04/12/2023 19:40	1.6	51	18	2.7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/12/2023 19:50	1.4	49	20	2.8	0
04/12/2023 20:00	1.2	52	21	2.4	0
04/12/2023 20:10	1.2	57	16	1.9	0
04/12/2023 20:20	1.2	57	17	1.9	0
04/12/2023 20:30	1.2	55	14	2	0
04/12/2023 20:40	1	52	20	1.4	0
04/12/2023 20:50	0.6	54	18	1	0
04/12/2023 21:00	0.1	54	8	0.8	0
04/12/2023 21:10	0.1	234	3	0.4	0
04/12/2023 21:20	0.1	252	2	0.5	0
04/12/2023 21:30	0	245	0	0.4	0
04/12/2023 21:40	0.4	245	5	0.9	0
04/12/2023 21:50	0.4	232	11	0.8	0
04/12/2023 22:00	0.3	171	3	0.8	0
04/12/2023 22:10	0.7	234	8	1.2	0
04/12/2023 22:20	0.8	239	13	1.2	0
04/12/2023 22:30	1.7	248	15	2.4	0
04/12/2023 22:40	2	252	14	2.8	0
04/12/2023 22:50	1.7	250	14	2.4	0
04/12/2023 23:00	1.9	243	18	2.6	0
04/12/2023 23:10	1.7	239	20	3.1	0
04/12/2023 23:20	2.1	240	20	3.6	0
04/12/2023 23:30	2.6	232	19	4.2	0
04/12/2023 23:40	2	251	19	2.8	0
04/12/2023 23:50	1.7	255	19	2.6	0
13/04/2023 00:00	1.6	253	16	2.6	0
13/04/2023 00:10	1.2	242	25	2	0
13/04/2023 00:20	1.1	243	18	1.6	0
13/04/2023 00:30	1.1	243	23	1.8	0
13/04/2023 00:40	1.2	239	24	1.8	0
13/04/2023 00:50	0.2	253	19	0.8	0
13/04/2023 01:00	0.7	236	22	1.3	0
13/04/2023 01:10	0.6	257	20	1.2	0
13/04/2023 01:20	1.1	267	15	1.9	0
13/04/2023 01:30	1.2	260	23	2.2	0
13/04/2023 01:40	1.1	244	28	2	0
13/04/2023 01:50	1.3	247	24	2	0
13/04/2023 02:00	0.9	222	21	1.7	0
13/04/2023 02:10	1.7	228	22	2.6	0
13/04/2023 02:20	1.7	221	22	2.4	0
13/04/2023 02:30	1.8	205	21	2.7	0
13/04/2023 02:40	2	196	19	3.4	0
13/04/2023 02:50	2	201	21	3.2	0
13/04/2023 03:00	1.9	232	21	3.2	0
13/04/2023 03:10	1.7	236	24	2.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/04/2023 03:20	1.8	237	22	2.8	0
13/04/2023 03:30	2.4	228	17	3.4	0
13/04/2023 03:40	2	202	19	3.1	0
13/04/2023 03:50	2.8	192	14	4.4	0
13/04/2023 04:00	2.7	196	20	4.1	0
13/04/2023 04:10	2.7	203	17	4.5	0
13/04/2023 04:20	2.5	190	19	4	0
13/04/2023 04:30	2.8	184	18	4.2	0
13/04/2023 04:40	2.9	183	17	4.7	0
13/04/2023 04:50	2.3	181	18	3.6	0.1
13/04/2023 05:00	2.8	195	17	4.3	0
13/04/2023 05:10	3.1	218	15	4.4	0
13/04/2023 05:20	2.6	221	19	4	0
13/04/2023 05:30	3.3	204	15	5.5	0
13/04/2023 05:40	3.5	204	19	5.2	0
13/04/2023 05:50	3.7	207	15	5.6	0
13/04/2023 06:00	3.6	207	17	5.9	0
13/04/2023 06:10	3.4	205	16	5.2	0
13/04/2023 06:20	3.4	202	16	5.3	0
13/04/2023 06:30	2.6	196	18	4.1	0
13/04/2023 06:40	3.4	194	16	5.4	0
13/04/2023 06:50	3.5	197	16	5.2	0
13/04/2023 07:00	3.1	199	15	4.9	0
13/04/2023 07:10	3	195	15	4.6	0
13/04/2023 07:20	3.1	193	18	4.4	0
13/04/2023 07:30	3.2	185	17	4.9	0
13/04/2023 07:40	2.9	192	19	4.2	0
13/04/2023 07:50	3.2	189	18	5.2	0
13/04/2023 08:00	3.2	189	12	4.7	0
13/04/2023 08:10	3.1	189	18	4.6	0
13/04/2023 08:20	2.9	190	16	4.7	0
13/04/2023 08:30	2.9	187	14	4.3	0
13/04/2023 08:40	2.8	183	21	4.6	0
13/04/2023 08:50	2.9	184	16	4.6	0
13/04/2023 09:00	2.3	167	31	4.2	0
13/04/2023 09:10	2.1	164	27	3.7	0
13/04/2023 09:20	2.2	168	24	3.6	0
13/04/2023 09:30	2.3	167	29	4.1	0
13/04/2023 09:40	2	161	23	3.4	0
13/04/2023 09:50	2.1	156	28	3.7	0
13/04/2023 10:00	2.1	141	29	3.5	0
13/04/2023 10:10	2.2	150	25	3.6	0
13/04/2023 10:20	2.2	137	27	3.6	0
13/04/2023 10:30	2.5	129	25	4.6	0
13/04/2023 10:40	2.4	125	28	4.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/04/2023 10:50	2.2	122	39	3.8	0
13/04/2023 11:00	1.9	129	28	3.2	0
13/04/2023 11:10	1.8	118	30	3	0
13/04/2023 11:20	1.9	138	31	3	0
13/04/2023 11:30	1.9	129	32	3.2	0
13/04/2023 11:40	2	131	35	3.6	0
13/04/2023 11:50	2.1	122	38	4.1	0
13/04/2023 12:00	2.1	91	28	3.4	0
13/04/2023 12:10	2.3	88	30	3.7	0
13/04/2023 12:20	2.5	82	29	3.9	0
13/04/2023 12:30	2.3	76	24	4	0
13/04/2023 12:40	2	72	31	3.5	0
13/04/2023 12:50	1.9	63	27	3.2	0
13/04/2023 13:00	1.5	79	30	2.6	0
13/04/2023 13:10	1.7	88	32	3	0
13/04/2023 13:20	1.7	111	32	2.8	0
13/04/2023 13:30	1.5	98	35	2.8	0
13/04/2023 13:40	1.7	77	31	2.9	0
13/04/2023 13:50	2.1	62	25	3.2	0
13/04/2023 14:00	1.8	52	27	2.8	0
13/04/2023 14:10	1.5	53	23	2.6	0
13/04/2023 14:20	1.5	56	25	2.7	0
13/04/2023 14:30	1.6	58	22	2.3	0
13/04/2023 14:40	1.3	61	27	2	0
13/04/2023 14:50	0.9	67	28	1.6	0
13/04/2023 15:00	1.7	56	27	3.1	0
13/04/2023 15:10	1.5	88	27	2.9	0
13/04/2023 15:20	1.6	94	27	3.1	0
13/04/2023 15:30	2.1	90	25	4	0
13/04/2023 15:40	2.6	100	32	4.4	0
13/04/2023 15:50	2.2	95	32	3.7	0
13/04/2023 16:00	1.8	116	29	3.1	0
13/04/2023 16:10	1.9	124	27	3.1	0
13/04/2023 16:20	1.4	134	33	2.4	0
13/04/2023 16:30	1.4	142	34	2.3	0
13/04/2023 16:40	1.3	147	27	2.6	0
13/04/2023 16:50	1.5	151	29	2.4	0
13/04/2023 17:00	2.2	197	27	3.8	0
13/04/2023 17:10	3.4	256	18	5.1	0
13/04/2023 17:20	3.3	258	15	4.4	0
13/04/2023 17:30	2.5	252	16	3.7	0
13/04/2023 17:40	3	255	18	4.3	0
13/04/2023 17:50	2.9	260	14	4.2	0
13/04/2023 18:00	2.9	256	15	4	0
13/04/2023 18:10	2.7	244	19	4.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/04/2023 18:20	2.7	240	18	4.1	0
13/04/2023 18:30	2.7	252	21	4.2	0
13/04/2023 18:40	3	245	18	4.5	0
13/04/2023 18:50	2.7	249	18	4	0
13/04/2023 19:00	3	250	20	4.6	0
13/04/2023 19:10	3	244	18	4.1	0
13/04/2023 19:20	2.9	250	18	4.4	0
13/04/2023 19:30	2.8	255	17	4	0
13/04/2023 19:40	2.6	252	21	3.9	0
13/04/2023 19:50	3	248	17	4.5	0
13/04/2023 20:00	3.3	241	20	5.6	0
13/04/2023 20:10	3.1	244	20	4.8	0
13/04/2023 20:20	2.9	243	18	4.6	0
13/04/2023 20:30	3.4	240	16	5.5	0
13/04/2023 20:40	2.8	244	17	4.2	0
13/04/2023 20:50	2.4	253	15	3.6	0
13/04/2023 21:00	2.1	263	17	3.4	0
13/04/2023 21:10	2.9	261	17	3.9	0
13/04/2023 21:20	2.6	259	16	3.8	0
13/04/2023 21:30	2.8	265	17	4.2	0
13/04/2023 21:40	2.9	265	18	4	0
13/04/2023 21:50	3.1	262	17	5	0
13/04/2023 22:00	3.5	259	14	4.8	0
13/04/2023 22:10	2.8	255	18	4.4	0
13/04/2023 22:20	2.9	261	18	4	0
13/04/2023 22:30	2.8	261	15	3.7	0
13/04/2023 22:40	2.9	266	16	4.5	0
13/04/2023 22:50	3.2	261	15	4.8	0
13/04/2023 23:00	3.2	260	15	4.3	0
13/04/2023 23:10	2.5	261	15	3.3	0
13/04/2023 23:20	2.2	269	17	2.9	0
13/04/2023 23:30	2.5	271	18	3.4	0
13/04/2023 23:40	2.7	268	15	3.6	0
13/04/2023 23:50	2.8	264	14	4	0
14/04/2023 00:00	2.8	256	19	4.2	0
14/04/2023 00:10	3	245	19	4.9	0
14/04/2023 00:20	3.6	242	19	5.4	0
14/04/2023 00:30	3.4	240	21	5.2	0
14/04/2023 00:40	3.1	243	20	4.8	0
14/04/2023 00:50	3.2	246	16	4.7	0
14/04/2023 01:00	3.4	240	21	5.1	0
14/04/2023 01:10	3.7	239	17	5.7	0
14/04/2023 01:20	3.2	242	16	4.4	0
14/04/2023 01:30	2.9	249	18	4.6	0
14/04/2023 01:40	2.7	259	17	4.4	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/04/2023 01:50	2.9	254	17	4	0
14/04/2023 02:00	3.2	250	22	5.2	0
14/04/2023 02:10	2.7	250	18	4.7	0
14/04/2023 02:20	3.4	243	20	5.5	0
14/04/2023 02:30	3.6	245	17	5.3	0
14/04/2023 02:40	4.3	240	23	6.6	0
14/04/2023 02:50	4.3	230	21	6.6	0
14/04/2023 03:00	4.5	226	19	6.9	0
14/04/2023 03:10	4.7	223	21	6.8	0
14/04/2023 03:20	5	224	16	7.3	0
14/04/2023 03:30	4.7	225	16	7.3	0
14/04/2023 03:40	4.6	227	19	6.9	0
14/04/2023 03:50	4.5	224	17	6.9	0
14/04/2023 04:00	4.7	223	18	6.7	0
14/04/2023 04:10	4.7	227	14	7.2	0
14/04/2023 04:20	4.5	224	17	6.8	0
14/04/2023 04:30	4.7	218	16	7	0
14/04/2023 04:40	4.5	213	16	6.6	0
14/04/2023 04:50	4.2	220	16	6.2	0
14/04/2023 05:00	4	216	19	6	0
14/04/2023 05:10	3.9	220	18	6.4	0
14/04/2023 05:20	3.5	229	19	5.8	0
14/04/2023 05:30	3.4	231	21	5.1	0
14/04/2023 05:40	3	241	21	4.8	0
14/04/2023 05:50	3.4	244	18	4.7	0
14/04/2023 06:00	3.6	242	16	5.3	0
14/04/2023 06:10	3.6	244	18	5.6	0
14/04/2023 06:20	3.4	250	19	5.3	0
14/04/2023 06:30	3.5	254	16	5.6	0
14/04/2023 06:40	3.5	255	19	5	0
14/04/2023 06:50	3.3	248	18	4.8	0
14/04/2023 07:00	3.6	244	19	5.6	0
14/04/2023 07:10	3.8	239	17	5.3	0
14/04/2023 07:20	4	244	20	6.1	0
14/04/2023 07:30	4.1	239	19	6	0
14/04/2023 07:40	3.6	229	20	5.7	0
14/04/2023 07:50	4.2	226	18	6.5	0
14/04/2023 08:00	4.5	225	18	6.8	0
14/04/2023 08:10	4.8	223	20	6.6	0
14/04/2023 08:20	4.8	218	17	6.8	0
14/04/2023 08:30	4.4	216	15	7	0
14/04/2023 08:40	4.7	217	17	6.6	0
14/04/2023 08:50	4.4	215	19	6.4	0
14/04/2023 09:00	4.3	218	17	6.4	0
14/04/2023 09:10	4.3	220	15	6.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/04/2023 09:20	4.1	222	20	6	0
14/04/2023 09:30	4.3	220	19	6.8	0
14/04/2023 09:40	4.4	225	19	6.9	0
14/04/2023 09:50	3.8	213	21	5.5	0
14/04/2023 10:00	4.3	213	19	6.4	0
14/04/2023 10:10	4	210	20	5.9	0
14/04/2023 10:20	4.3	222	18	6.5	0
14/04/2023 10:30	4.2	210	18	5.8	0
14/04/2023 10:40	4	203	19	5.8	0
14/04/2023 10:50	3.7	211	25	5.6	0
14/04/2023 11:00	4.3	205	18	6.8	0
14/04/2023 11:10	4.1	206	20	6.4	0
14/04/2023 11:20	4.2	205	18	6.4	0
14/04/2023 11:30	4.1	196	23	6.2	0
14/04/2023 11:40	4.1	203	23	6.4	0
14/04/2023 11:50	4	196	26	7.2	0
14/04/2023 12:00	4	225	22	6.4	0
14/04/2023 12:10	4.1	206	20	6.8	0
14/04/2023 12:20	4.1	203	22	7.1	0
14/04/2023 12:30	4	206	21	6.3	0
14/04/2023 12:40	4.1	203	25	6.4	0
14/04/2023 12:50	4.2	206	21	6.4	0
14/04/2023 13:00	4.4	215	18	6.3	0
14/04/2023 13:10	4.4	208	21	6.3	0
14/04/2023 13:20	4.6	208	19	6.6	0
14/04/2023 13:30	4	202	23	6.3	0
14/04/2023 13:40	4.2	206	22	6.7	0
14/04/2023 13:50	4.3	220	20	7	0
14/04/2023 14:00	4.2	203	20	6.4	0
14/04/2023 14:10	3.9	222	28	6.5	0
14/04/2023 14:20	3.9	221	25	5.8	0
14/04/2023 14:30	4.2	222	22	6.6	0
14/04/2023 14:40	3.8	212	25	6.4	0
14/04/2023 14:50	4	222	17	6.2	0
14/04/2023 15:00	3.4	214	22	5.9	0
14/04/2023 15:10	3.4	213	21	5.5	0
14/04/2023 15:20	3.5	243	21	5.7	0
14/04/2023 15:30	3.6	219	18	5.4	0
14/04/2023 15:40	3.9	212	21	6.2	0
14/04/2023 15:50	3.9	227	18	6	0
14/04/2023 16:00	3.7	229	19	5.7	0
14/04/2023 16:10	4	222	16	5.8	0
14/04/2023 16:20	3.4	225	20	5.5	0
14/04/2023 16:30	3.9	227	20	6	0
14/04/2023 16:40	3.8	229	19	5.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/04/2023 16:50	3.3	236	21	5	0
14/04/2023 17:00	3.2	247	19	5	0
14/04/2023 17:10	3.8	254	16	5.7	0
14/04/2023 17:20	3	255	20	4.7	0
14/04/2023 17:30	3.5	258	19	4.9	0
14/04/2023 17:40	3.6	256	18	5.4	0
14/04/2023 17:50	3.2	260	16	4.8	0
14/04/2023 18:00	3.2	248	15	5.3	0
14/04/2023 18:10	3	242	21	4.8	0
14/04/2023 18:20	3.2	244	18	4.8	0
14/04/2023 18:30	2.8	250	19	4	0
14/04/2023 18:40	2.7	255	20	4.3	0
14/04/2023 18:50	3	251	20	4.4	0
14/04/2023 19:00	2.9	247	19	4.4	0
14/04/2023 19:10	2.7	235	18	4.8	0
14/04/2023 19:20	2.6	229	17	3.9	0
14/04/2023 19:30	2.6	234	18	3.7	0
14/04/2023 19:40	2.6	228	20	4	0
14/04/2023 19:50	2.2	227	17	4	0
14/04/2023 20:00	2.6	230	17	3.6	0
14/04/2023 20:10	2.9	231	21	4.1	0
14/04/2023 20:20	2.8	225	18	4.1	0
14/04/2023 20:30	2.8	228	17	4.2	0
14/04/2023 20:40	2.5	228	17	4	0
14/04/2023 20:50	2.4	228	19	3.6	0
14/04/2023 21:00	2.5	222	18	3.8	0
14/04/2023 21:10	2.2	203	21	3.5	0
14/04/2023 21:20	2.8	191	13	4.4	0
14/04/2023 21:30	3.4	194	20	5.1	0
14/04/2023 21:40	3.6	189	19	5.6	0
14/04/2023 21:50	3.4	189	19	5.5	0
14/04/2023 22:00	3.7	193	21	6	0
14/04/2023 22:10	3.6	192	19	5.6	0
14/04/2023 22:20	3.3	191	16	5.2	0
14/04/2023 22:30	3.3	188	18	4.8	0
14/04/2023 22:40	3.3	192	17	4.5	0
14/04/2023 22:50	3	190	16	4.8	0
14/04/2023 23:00	3.5	194	18	5.1	0
14/04/2023 23:10	3.3	190	16	5.1	0
14/04/2023 23:20	3.5	193	17	5.8	0
14/04/2023 23:30	3.3	193	18	4.8	0
14/04/2023 23:40	3.1	192	17	4.5	0
14/04/2023 23:50	3.5	194	15	5.8	0
15/04/2023 00:00	3.6	194	18	5.1	0
15/04/2023 00:10	3.1	194	19	5.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/04/2023 00:20	3.2	189	16	4.4	0
15/04/2023 00:30	2.7	193	15	4.5	0
15/04/2023 00:40	3.1	187	19	4.8	0
15/04/2023 00:50	2.5	189	17	4.1	0
15/04/2023 01:00	2.4	188	15	3.9	0
15/04/2023 01:10	2.6	185	20	4.7	0
15/04/2023 01:20	2.8	184	16	4	0
15/04/2023 01:30	2.8	189	17	4.1	0
15/04/2023 01:40	2.9	185	15	4.4	0
15/04/2023 01:50	3.3	189	15	4.7	0
15/04/2023 02:00	2.7	186	19	4.3	0
15/04/2023 02:10	3	190	19	4.6	0
15/04/2023 02:20	2.7	186	18	4.3	0
15/04/2023 02:30	2.7	184	17	4	0
15/04/2023 02:40	1.8	190	18	3.2	0
15/04/2023 02:50	1.6	173	29	3	0
15/04/2023 03:00	1.6	156	29	3.2	0
15/04/2023 03:10	1.4	158	29	2.8	0
15/04/2023 03:20	1.2	142	24	1.8	0
15/04/2023 03:30	1.2	134	29	2	0
15/04/2023 03:40	1	119	27	2	0
15/04/2023 03:50	1	131	36	2.3	0
15/04/2023 04:00	0.8	153	33	1.8	0
15/04/2023 04:10	1.2	153	30	2	0
15/04/2023 04:20	1.1	157	24	1.6	0
15/04/2023 04:30	1.1	151	30	1.8	0
15/04/2023 04:40	1.9	129	30	3.2	0
15/04/2023 04:50	2.2	119	29	4	0
15/04/2023 05:00	1.7	121	31	3.1	0
15/04/2023 05:10	1.7	118	28	3.3	0
15/04/2023 05:20	1.9	122	38	3.6	0
15/04/2023 05:30	2.4	120	33	4.4	0
15/04/2023 05:40	2.1	123	34	4	0
15/04/2023 05:50	1.9	116	34	3.1	0
15/04/2023 06:00	1.9	118	38	3.8	0
15/04/2023 06:10	2.5	117	35	4.1	0
15/04/2023 06:20	2.3	119	34	3.7	0
15/04/2023 06:30	2.6	115	38	3.9	0
15/04/2023 06:40	2.3	118	37	3.8	0
15/04/2023 06:50	2.6	101	30	4.3	0
15/04/2023 07:00	2.8	102	37	5.1	0
15/04/2023 07:10	2.8	111	38	5.2	0
15/04/2023 07:20	3.2	111	31	4.9	0
15/04/2023 07:30	3.3	103	30	5.9	0
15/04/2023 07:40	3.1	112	36	5.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/04/2023 07:50	3.2	116	33	5.3	0
15/04/2023 08:00	3.2	110	32	5.7	0
15/04/2023 08:10	3.3	110	29	5.2	0
15/04/2023 08:20	3.4	105	32	5.8	0
15/04/2023 08:30	3.3	102	32	5.3	0
15/04/2023 08:40	3.4	101	30	6.5	0
15/04/2023 08:50	3.9	107	31	5.7	0
15/04/2023 09:00	3.6	104	32	6	0
15/04/2023 09:10	3.9	105	26	6.5	0
15/04/2023 09:20	3.6	104	34	5.9	0
15/04/2023 09:30	3.4	93	33	5.6	0
15/04/2023 09:40	3.7	100	31	5.9	0
15/04/2023 09:50	3.6	105	32	6.1	0
15/04/2023 10:00	3.7	114	31	5.9	0
15/04/2023 10:10	3.6	99	29	5.9	0
15/04/2023 10:20	3.3	121	34	6	0
15/04/2023 10:30	3.2	116	30	5.4	0
15/04/2023 10:40	3.2	119	29	5.7	0
15/04/2023 10:50	3.3	114	32	5	0
15/04/2023 11:00	3.3	109	35	5.6	0
15/04/2023 11:10	3.4	103	32	5.3	0
15/04/2023 11:20	3.3	107	32	5.4	0
15/04/2023 11:30	3	103	30	5	0
15/04/2023 11:40	3	105	32	5.6	0
15/04/2023 11:50	3.2	95	30	4.8	0
15/04/2023 12:00	3	92	27	4.9	0
15/04/2023 12:10	3.2	80	26	5.4	0
15/04/2023 12:20	3.2	81	22	5	0
15/04/2023 12:30	3.2	82	27	5.2	0
15/04/2023 12:40	3.1	79	25	5.3	0
15/04/2023 12:50	3.3	68	24	5.2	0
15/04/2023 13:00	3.6	63	24	5.5	0
15/04/2023 13:10	3.1	62	22	5.6	0
15/04/2023 13:20	3.2	62	24	5.1	0
15/04/2023 13:30	3.3	59	24	5.6	0
15/04/2023 13:40	3.2	61	24	5.7	0
15/04/2023 13:50	3.1	63	24	5.3	0
15/04/2023 14:00	3.1	62	23	5.4	0
15/04/2023 14:10	3.1	66	23	5	0
15/04/2023 14:20	3.1	69	24	4.6	0
15/04/2023 14:30	2.9	64	24	4.4	0
15/04/2023 14:40	3	57	25	5.4	0
15/04/2023 14:50	3.1	58	26	5.7	0
15/04/2023 15:00	3.3	58	23	5.6	0
15/04/2023 15:10	3	61	25	5.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/04/2023 15:20	2.7	59	26	4.3	0
15/04/2023 15:30	2.8	60	26	4.8	0
15/04/2023 15:40	3.3	50	22	5.1	0
15/04/2023 15:50	3.1	50	21	5.2	0
15/04/2023 16:00	3	52	24	5.4	0
15/04/2023 16:10	2.9	51	23	4.8	0
15/04/2023 16:20	2.9	50	27	5.1	0
15/04/2023 16:30	2.7	51	25	4.5	0
15/04/2023 16:40	2.7	48	23	4.4	0
15/04/2023 16:50	3.1	51	21	5.2	0
15/04/2023 17:00	2.8	56	19	4.8	0
15/04/2023 17:10	2.7	58	23	4.4	0
15/04/2023 17:20	2.4	54	24	4.6	0
15/04/2023 17:30	2.1	52	23	3.5	0
15/04/2023 17:40	2.1	58	23	3.5	0
15/04/2023 17:50	2.3	48	19	4	0
15/04/2023 18:00	2.2	48	23	3.7	0
15/04/2023 18:10	2.5	50	21	3.4	0
15/04/2023 18:20	2.1	47	18	3.4	0
15/04/2023 18:30	2.2	48	18	3.6	0
15/04/2023 18:40	2.2	48	17	3.4	0
15/04/2023 18:50	2.2	41	18	3.4	0
15/04/2023 19:00	2.1	45	18	3.2	0
15/04/2023 19:10	1.1	48	40	2.1	0
15/04/2023 19:20	1.6	251	20	2.4	0
15/04/2023 19:30	1	282	20	1.6	0
15/04/2023 19:40	0.5	27	16	0.8	0
15/04/2023 19:50	1	193	28	1.6	0
15/04/2023 20:00	0.5	321	20	0.9	0
15/04/2023 20:10	0.5	294	23	0.9	0
15/04/2023 20:20	0.6	288	12	0.9	0
15/04/2023 20:30	0.1	73	8	0.9	0
15/04/2023 20:40	0.4	45	9	0.8	0
15/04/2023 20:50	0.4	45	11	0.8	0
15/04/2023 21:00	0.2	24	4	0.5	0
15/04/2023 21:10	0.7	155	16	1.8	0
15/04/2023 21:20	1.4	163	28	2.7	0
15/04/2023 21:30	1.7	128	34	3.4	0
15/04/2023 21:40	1.8	115	41	3.1	0
15/04/2023 21:50	1.9	113	39	3.7	0
15/04/2023 22:00	1.7	105	37	3.1	0
15/04/2023 22:10	1.5	110	37	2.9	0
15/04/2023 22:20	1.8	118	34	3.2	0
15/04/2023 22:30	1.9	116	36	3.4	0
15/04/2023 22:40	2.3	104	40	4.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/04/2023 22:50	2.2	99	41	4.3	0
15/04/2023 23:00	2	106	31	3.6	0
15/04/2023 23:10	2	108	35	3.6	0
15/04/2023 23:20	1.7	115	34	3.3	0
15/04/2023 23:30	1.9	100	33	4	0
15/04/2023 23:40	2.1	96	29	3.4	0
15/04/2023 23:50	1.5	119	30	2.5	0
16/04/2023 00:00	1.6	114	38	2.9	0
16/04/2023 00:10	1.9	107	34	3.1	0
16/04/2023 00:20	1.9	99	32	3.2	0
16/04/2023 00:30	1.8	88	29	3.1	0
16/04/2023 00:40	1.5	104	34	2.9	0
16/04/2023 00:50	1.4	112	38	3.1	0
16/04/2023 01:00	1.6	107	36	3.3	0
16/04/2023 01:10	1.9	104	36	4	0
16/04/2023 01:20	1.6	102	32	2.4	0
16/04/2023 01:30	2	113	29	3.6	0
16/04/2023 01:40	2	106	35	3.2	0
16/04/2023 01:50	1.7	110	34	3.2	0
16/04/2023 02:00	1.8	110	32	3.7	0
16/04/2023 02:10	2.1	97	33	3.7	0
16/04/2023 02:20	2.3	95	30	4	0
16/04/2023 02:30	1.8	109	33	3.2	0
16/04/2023 02:40	2.5	108	34	4.4	0
16/04/2023 02:50	2.9	98	32	5.1	0
16/04/2023 03:00	2.7	103	29	4.5	0
16/04/2023 03:10	2.9	110	36	5.2	0
16/04/2023 03:20	3.3	104	27	6.3	0
16/04/2023 03:30	3.3	113	36	5.6	0
16/04/2023 03:40	3.2	114	34	5.6	0
16/04/2023 03:50	3.4	109	32	5.9	0
16/04/2023 04:00	3.1	104	29	5.2	0
16/04/2023 04:10	3.1	102	33	5.9	0
16/04/2023 04:20	3.3	103	32	5.2	0
16/04/2023 04:30	3.5	96	30	6.2	0
16/04/2023 04:40	3.2	105	33	5.8	0
16/04/2023 04:50	3.6	100	37	6.5	0
16/04/2023 05:00	3.5	104	31	6	0
16/04/2023 05:10	3.6	109	31	6.4	0
16/04/2023 05:20	3.9	104	33	6.3	0
16/04/2023 05:30	4.3	96	30	7.9	0
16/04/2023 05:40	3.9	104	28	7.1	0
16/04/2023 05:50	3.8	99	30	6.6	0
16/04/2023 06:00	3.8	110	37	6.7	0
16/04/2023 06:10	4	106	36	7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/04/2023 06:20	3.7	109	33	6.2	0
16/04/2023 06:30	4.1	104	35	7.8	0
16/04/2023 06:40	3.5	108	32	5.7	0
16/04/2023 06:50	4.1	95	31	7.2	0
16/04/2023 07:00	4.2	102	30	7.5	0
16/04/2023 07:10	4.2	94	32	6.5	0
16/04/2023 07:20	3.9	100	35	6.8	0
16/04/2023 07:30	3.7	103	30	6.3	0
16/04/2023 07:40	3.6	117	34	6.5	0
16/04/2023 07:50	4.1	107	33	6.4	0
16/04/2023 08:00	3.9	108	33	6.7	0
16/04/2023 08:10	4.3	103	28	7.3	0
16/04/2023 08:20	4.4	100	30	6.7	0
16/04/2023 08:30	3.5	109	42	6.8	0
16/04/2023 08:40	3.9	114	31	6.2	0
16/04/2023 08:50	3.9	109	34	6.4	0
16/04/2023 09:00	3.8	100	34	6.1	0
16/04/2023 09:10	4.3	100	30	8.2	0
16/04/2023 09:20	4.1	109	31	7.2	0
16/04/2023 09:30	4	102	31	6.7	0
16/04/2023 09:40	4.2	113	30	6.9	0
16/04/2023 09:50	4.4	106	33	6.9	0
16/04/2023 10:00	4.3	108	29	7.2	0
16/04/2023 10:10	4	108	30	6.3	0
16/04/2023 10:20	4.2	101	31	6.4	0
16/04/2023 10:30	4.2	99	30	7.2	0
16/04/2023 10:40	4	100	26	6.7	0
16/04/2023 10:50	4	101	31	6.3	0
16/04/2023 11:00	4.2	95	28	7.6	0
16/04/2023 11:10	4.5	95	26	6.9	0
16/04/2023 11:20	4.2	94	30	7.2	0
16/04/2023 11:30	4.1	89	25	6.8	0
16/04/2023 11:40	3.9	89	26	6	0
16/04/2023 11:50	3.9	86	22	6.1	0
16/04/2023 12:00	3.8	93	27	6.2	0
16/04/2023 12:10	4.3	86	28	6.8	0
16/04/2023 12:20	4.2	82	23	6.9	0
16/04/2023 12:30	4.1	87	20	6.6	0
16/04/2023 12:40	4.3	80	25	7.3	0
16/04/2023 12:50	3.9	85	27	6.9	0
16/04/2023 13:00	3.9	80	25	5.8	0
16/04/2023 13:10	4	86	20	6.8	0
16/04/2023 13:20	4.3	85	27	6.5	0
16/04/2023 13:30	4	88	23	6.6	0
16/04/2023 13:40	3.8	83	22	6.6	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/04/2023 13:50	4	82	26	6.4	0
16/04/2023 14:00	3.6	71	25	6.4	0
16/04/2023 14:10	3.4	67	22	5.1	0
16/04/2023 14:20	3.4	66	27	5.6	0
16/04/2023 14:30	3.5	65	23	5.6	0
16/04/2023 14:40	3.1	64	26	4.9	0
16/04/2023 14:50	3.2	66	21	4.8	0
16/04/2023 15:00	3.3	60	24	5.5	0
16/04/2023 15:10	3.1	68	23	5.2	0
16/04/2023 15:20	3.1	62	25	4.6	0
16/04/2023 15:30	3.2	68	24	4.8	0
16/04/2023 15:40	3.2	61	22	5.3	0
16/04/2023 15:50	3.2	62	24	5.1	0
16/04/2023 16:00	3.1	50	23	4.6	0
16/04/2023 16:10	3.3	51	23	5.6	0
16/04/2023 16:20	3.4	46	22	5.2	0
16/04/2023 16:30	3.1	55	25	5.3	0
16/04/2023 16:40	3.1	53	21	4.8	0
16/04/2023 16:50	2.8	56	21	4.4	0
16/04/2023 17:00	2.6	53	19	4.9	0
16/04/2023 17:10	2.7	57	22	4.4	0
16/04/2023 17:20	2.5	49	20	4.2	0
16/04/2023 17:30	2.5	50	21	4	0
16/04/2023 17:40	2.5	50	23	4	0
16/04/2023 17:50	2.4	48	16	4	0
16/04/2023 18:00	2	45	20	3.2	0
16/04/2023 18:10	1.8	47	19	2.8	0
16/04/2023 18:20	1.7	45	20	2.5	0
16/04/2023 18:30	1.7	43	17	2.7	0
16/04/2023 18:40	2	38	21	3	0
16/04/2023 18:50	1.8	33	22	2.7	0
16/04/2023 19:00	1.6	38	21	2.5	0
16/04/2023 19:10	1.6	40	18	2.6	0
16/04/2023 19:20	1.7	37	20	2.6	0
16/04/2023 19:30	1.5	35	22	2.1	0
16/04/2023 19:40	1.4	38	19	2.3	0
16/04/2023 19:50	1.4	37	18	2	0
16/04/2023 20:00	1.5	42	20	2.5	0
16/04/2023 20:10	1.7	35	19	2.8	0
16/04/2023 20:20	1.5	30	19	2.3	0
16/04/2023 20:30	1.5	38	18	2	0
16/04/2023 20:40	1.6	32	18	2.4	0
16/04/2023 20:50	1.7	32	19	2.5	0
16/04/2023 21:00	1.5	33	20	2.1	0
16/04/2023 21:10	1.6	35	18	2.7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/04/2023 21:20	1.7	28	20	2.9	0
16/04/2023 21:30	1.7	31	19	2.4	0
16/04/2023 21:40	1.6	23	21	2.4	0
16/04/2023 21:50	1.6	31	19	2.4	0
16/04/2023 22:00	1.7	32	19	2.6	0
16/04/2023 22:10	1.8	33	19	2.5	0
16/04/2023 22:20	1.6	36	21	2.3	0
16/04/2023 22:30	1.5	36	18	2.1	0
16/04/2023 22:40	1.6	35	19	2.4	0
16/04/2023 22:50	1.5	37	18	2.3	0
16/04/2023 23:00	1.5	31	20	2.5	0
16/04/2023 23:10	1.6	42	19	2.3	0
16/04/2023 23:20	1.6	41	17	2.4	0
16/04/2023 23:30	1.6	40	21	2.8	0
16/04/2023 23:40	1.5	49	24	2.6	0
16/04/2023 23:50	1.7	64	25	3.7	0
17/04/2023 00:00	1.8	69	27	3.4	0
17/04/2023 00:10	1.3	61	29	2.4	0
17/04/2023 00:20	1.6	67	30	2.9	0
17/04/2023 00:30	1.7	76	31	2.9	0
17/04/2023 00:40	2.4	76	25	4.4	0
17/04/2023 00:50	2.4	90	27	4.6	0
17/04/2023 01:00	1	146	32	2	0
17/04/2023 01:10	0.8	139	48	1.6	0
17/04/2023 01:20	0.7	113	36	1.6	0
17/04/2023 01:30	0.7	140	31	1.4	0
17/04/2023 01:40	0.1	115	33	0.8	0
17/04/2023 01:50	0.6	92	31	1.6	0
17/04/2023 02:00	0.6	92	23	1.3	0
17/04/2023 02:10	0.8	89	25	1.7	0
17/04/2023 02:20	0.8	101	31	2	0
17/04/2023 02:30	0.8	110	31	1.6	0
17/04/2023 02:40	0.4	131	28	1.2	0
17/04/2023 02:50	0.7	151	37	1.3	0
17/04/2023 03:00	0.8	130	41	1.2	0
17/04/2023 03:10	0.7	141	42	1.4	0
17/04/2023 03:20	0.7	146	37	1.5	0
17/04/2023 03:30	0.9	138	39	1.7	0
17/04/2023 03:40	0.7	147	32	1.4	0
17/04/2023 03:50	1.2	138	36	2.2	0
17/04/2023 04:00	2	99	30	3.2	0
17/04/2023 04:10	1.9	103	37	3.6	0
17/04/2023 04:20	1.8	108	37	3.2	0
17/04/2023 04:30	1.5	112	34	2.8	0
17/04/2023 04:40	1.7	109	35	3.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/04/2023 04:50	1.9	110	30	3.6	0
17/04/2023 05:00	1.7	108	33	3.1	0
17/04/2023 05:10	1.7	105	39	3	0
17/04/2023 05:20	1.6	112	34	3.2	0
17/04/2023 05:30	1.9	113	32	3.4	0
17/04/2023 05:40	1.9	109	37	3.6	0
17/04/2023 05:50	1.7	99	37	3.2	0
17/04/2023 06:00	1.8	106	30	3.6	0
17/04/2023 06:10	1.5	108	37	2.8	0
17/04/2023 06:20	1.3	105	43	2.8	0
17/04/2023 06:30	1.8	101	30	3.2	0
17/04/2023 06:40	1.7	105	31	3.2	0
17/04/2023 06:50	1.5	105	38	3.2	0
17/04/2023 07:00	1.7	101	36	3	0
17/04/2023 07:10	1.7	105	35	3.1	0
17/04/2023 07:20	2.1	112	30	3.7	0
17/04/2023 07:30	2.4	119	27	3.6	0
17/04/2023 07:40	2.3	115	32	4.5	0
17/04/2023 07:50	2.3	118	34	4	0
17/04/2023 08:00	2.4	119	31	4.2	0
17/04/2023 08:10	2.4	110	35	4.1	0
17/04/2023 08:20	2.6	126	30	4.3	0
17/04/2023 08:30	2.6	106	34	4.4	0
17/04/2023 08:40	2.5	110	36	4.4	0
17/04/2023 08:50	2.6	107	32	4.7	0
17/04/2023 09:00	3.2	96	28	5.4	0
17/04/2023 09:10	3.4	95	31	5.6	0
17/04/2023 09:20	4	91	27	6.5	0
17/04/2023 09:30	3.6	87	30	6.4	0
17/04/2023 09:40	3.6	82	26	6	0
17/04/2023 09:50	3.5	87	25	5.5	0
17/04/2023 10:00	3.4	89	26	5.4	0
17/04/2023 10:10	3.2	88	25	5.7	0
17/04/2023 10:20	3.2	87	28	5.6	0
17/04/2023 10:30	3	89	28	5.3	0
17/04/2023 10:40	3	84	25	5	0
17/04/2023 10:50	3.2	80	27	5.2	0
17/04/2023 11:00	3.3	86	27	6.1	0
17/04/2023 11:10	3.1	78	31	5.5	0
17/04/2023 11:20	3.3	78	24	5.6	0
17/04/2023 11:30	2.9	82	24	4.5	0
17/04/2023 11:40	3.1	80	22	5.2	0
17/04/2023 11:50	3	81	26	5.1	0
17/04/2023 12:00	2.9	62	25	5.6	0
17/04/2023 12:10	3.2	59	23	5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/04/2023 12:20	3.2	61	24	5.5	0
17/04/2023 12:30	3.3	62	23	5.3	0
17/04/2023 12:40	3.1	63	24	5	0
17/04/2023 12:50	3.3	63	27	5.5	0
17/04/2023 13:00	3.2	65	24	5.2	0
17/04/2023 13:10	3.1	74	24	5.4	0
17/04/2023 13:20	3.3	55	20	5	0
17/04/2023 13:30	3.1	59	25	5.4	0
17/04/2023 13:40	3	63	27	4.2	0
17/04/2023 13:50	2.8	57	26	4.8	0
17/04/2023 14:00	3.1	46	26	4.6	0
17/04/2023 14:10	3	60	24	4.8	0
17/04/2023 14:20	3.1	56	23	5	0
17/04/2023 14:30	2.7	71	23	4.4	0
17/04/2023 14:40	2.9	61	28	4.5	0
17/04/2023 14:50	2.6	55	25	5	0
17/04/2023 15:00	2.4	43	25	4.1	0
17/04/2023 15:10	2.5	62	24	4.2	0
17/04/2023 15:20	2.2	54	26	3.7	0
17/04/2023 15:30	2.2	59	25	3.6	0
17/04/2023 15:40	2.4	63	26	3.8	0
17/04/2023 15:50	2.3	50	25	4.4	0
17/04/2023 16:00	2.1	40	26	3.3	0
17/04/2023 16:10	1.8	63	25	2.7	0
17/04/2023 16:20	2.1	53	25	3.2	0
17/04/2023 16:30	2.1	51	21	3.1	0
17/04/2023 16:40	2	51	23	3.3	0
17/04/2023 16:50	1.9	43	24	3.2	0
17/04/2023 17:00	1.8	50	20	3	0
17/04/2023 17:10	1.9	56	19	3.2	0
17/04/2023 17:20	1.8	49	17	2.7	0
17/04/2023 17:30	1.7	50	19	2.6	0
17/04/2023 17:40	1.5	46	20	2.5	0
17/04/2023 17:50	1.3	54	17	2	0
17/04/2023 18:00	1.6	46	14	2.4	0
17/04/2023 18:10	1.4	34	18	1.9	0
17/04/2023 18:20	1	48	16	1.4	0
17/04/2023 18:30	1.3	38	17	2	0
17/04/2023 18:40	1.8	30	19	2.5	0
17/04/2023 18:50	1.7	35	18	2.8	0
17/04/2023 19:00	1.5	37	20	2.1	0
17/04/2023 19:10	1.2	32	16	1.9	0
17/04/2023 19:20	1.2	34	18	1.9	0
17/04/2023 19:30	1.3	32	15	1.9	0
17/04/2023 19:40	1.3	29	18	1.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/04/2023 19:50	0.7	18	22	1.3	0
17/04/2023 20:00	0.2	69	36	0.8	0
17/04/2023 20:10	0.1	44	4	0.6	0
17/04/2023 20:20	0.1	44	7	0.5	0
17/04/2023 20:30	0.1	32	6	0.4	0
17/04/2023 20:40					0
17/04/2023 20:50	0.1	21	4	0.5	0
17/04/2023 21:00	0	11	2	0.4	0
17/04/2023 21:10					0
17/04/2023 21:20					0
17/04/2023 21:30					0
17/04/2023 21:40	0.8	254	9	1.2	0
17/04/2023 21:50	1.2	274	11	1.5	0
17/04/2023 22:00	1.3	267	14	1.6	0
17/04/2023 22:10	1.6	251	13	2.3	0
17/04/2023 22:20	1.5	246	13	2.1	0
17/04/2023 22:30	0.7	245	19	1.7	0
17/04/2023 22:40	1.3	268	16	2	0
17/04/2023 22:50	1.5	267	15	2.4	0
17/04/2023 23:00	0.4	166	35	1	0
17/04/2023 23:10	0.3	267	12	0.8	0
17/04/2023 23:20	0.8	283	14	1.2	0
17/04/2023 23:30	0.7	274	12	0.9	0
17/04/2023 23:40	0.9	267	9	1.2	0
17/04/2023 23:50	1.2	256	8	1.5	0
18/04/2023 00:00	0.4	299	13	1.1	0
18/04/2023 00:10	0.4	317	23	0.8	0
18/04/2023 00:20	0.7	334	18	1	0
18/04/2023 00:30	1	342	9	1.3	0
18/04/2023 00:40	0.7	340	9	1.1	0
18/04/2023 00:50	0.6	346	11	1.2	0
18/04/2023 01:00	1.1	337	7	1.4	0
18/04/2023 01:10	0.7	349	8	1.1	0
18/04/2023 01:20	0.4	189	13	0.8	0
18/04/2023 01:30	0	121	5	0.5	0
18/04/2023 01:40	0.4	351	6	0.8	0
18/04/2023 01:50	0.4	180	12	0.7	0
18/04/2023 02:00	0.7	356	12	1.1	0
18/04/2023 02:10	0.5	348	9	0.9	0
18/04/2023 02:20	0.5	350	8	0.9	0
18/04/2023 02:30	0.2	344	13	0.7	0
18/04/2023 02:40	0.2	273	20	0.8	0
18/04/2023 02:50	0.3	160	47	0.9	0
18/04/2023 03:00	0.1	215	18	0.5	0
18/04/2023 03:10	0.1	273	3	0.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/04/2023 03:20	0.4	317	20	1.3	0
18/04/2023 03:30	1.5	255	11	1.9	0
18/04/2023 03:40	1.3	257	14	1.8	0
18/04/2023 03:50	1	267	14	1.3	0
18/04/2023 04:00	1.2	260	11	1.6	0
18/04/2023 04:10	1.3	254	10	1.6	0
18/04/2023 04:20	0.7	255	16	1.2	0
18/04/2023 04:30	0.4	40	18	1	0
18/04/2023 04:40	0.4	31	15	0.9	0
18/04/2023 04:50	0.3	182	14	0.9	0
18/04/2023 05:00	0.6	23	24	1	0
18/04/2023 05:10	0.7	179	39	2.1	0
18/04/2023 05:20	0.6	130	30	1.2	0
18/04/2023 05:30	0.5	240	54	1.2	0
18/04/2023 05:40	0.8	117	61	1.6	0
18/04/2023 05:50	0.3	238	8	1	0
18/04/2023 06:00	0	205	8	0.5	0
18/04/2023 06:10	0.3	282	22	0.9	0
18/04/2023 06:20	0.5	10	10	0.9	0
18/04/2023 06:30	0.8	181	15	1.1	0
18/04/2023 06:40	0.2	182	5	0.8	0
18/04/2023 06:50	0.6	347	8	0.9	0
18/04/2023 07:00					0
18/04/2023 07:10	0.1	38	11	0.5	0
18/04/2023 07:20	0.4	47	21	0.9	0
18/04/2023 07:30	0.4	93	21	0.9	0
18/04/2023 07:40	0.7	115	31	1.4	0
18/04/2023 07:50	1.2	142	24	2.1	0
18/04/2023 08:00	1.1	123	32	1.7	0
18/04/2023 08:10	1.3	103	34	2.3	0
18/04/2023 08:20	1.3	124	29	2.4	0
18/04/2023 08:30	1.3	123	38	2.3	0
18/04/2023 08:40	1.6	118	29	2.5	0
18/04/2023 08:50	1.5	107	26	2.4	0
18/04/2023 09:00	1.5	112	32	2.5	0
18/04/2023 09:10	1.8	127	28	3.2	0
18/04/2023 09:20	1.8	129	28	2.8	0
18/04/2023 09:30	1.7	130	31	3	0
18/04/2023 09:40	1.8	135	34	2.8	0
18/04/2023 09:50	1.8	131	34	3.4	0
18/04/2023 10:00	1.8	128	39	3.3	0
18/04/2023 10:10	1.9	122	31	3.8	0
18/04/2023 10:20	2.5	93	28	4.2	0
18/04/2023 10:30	2.8	85	30	4.4	0
18/04/2023 10:40	3	68	27	4.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/04/2023 10:50	3.2	74	28	4.9	0
18/04/2023 11:00	2.6	77	26	4.3	0
18/04/2023 11:10	2.5	75	30	4	0
18/04/2023 11:20	3.1	80	26	4.8	0
18/04/2023 11:30	3.3	73	27	5.1	0
18/04/2023 11:40	3.1	87	32	5.7	0
18/04/2023 11:50	3	87	28	5.4	0
18/04/2023 12:00	3.2	88	30	5.9	0
18/04/2023 12:10	3.2	91	29	5.1	0
18/04/2023 12:20	3.1	85	28	4.8	0
18/04/2023 12:30	2.6	71	27	4.4	0
18/04/2023 12:40	2.9	61	24	4.9	0
18/04/2023 12:50	3.2	56	26	5.2	0
18/04/2023 13:00	3.4	60	25	5.4	0
18/04/2023 13:10	3.2	61	23	5	0
18/04/2023 13:20	3.5	59	22	5.9	0
18/04/2023 13:30	3.2	53	19	5.2	0
18/04/2023 13:40	3.1	53	24	4.8	0
18/04/2023 13:50	3.3	66	23	4.8	0
18/04/2023 14:00	3.2	62	24	5.2	0
18/04/2023 14:10	3.1	44	24	5.5	0
18/04/2023 14:20	3.3	44	18	5.3	0
18/04/2023 14:30	3	53	24	4.6	0
18/04/2023 14:40	3.1	62	24	4.8	0
18/04/2023 14:50	3	54	22	4.9	0
18/04/2023 15:00	3.1	50	23	4.4	0
18/04/2023 15:10	2.8	69	21	4.4	0
18/04/2023 15:20	2.7	55	21	4.6	0
18/04/2023 15:30	3	54	21	5.2	0
18/04/2023 15:40	2.7	50	24	4.8	0
18/04/2023 15:50	2.4	58	25	3.8	0
18/04/2023 16:00	2.4	71	23	3.6	0
18/04/2023 16:10	2.6	66	21	4.7	0
18/04/2023 16:20	2.6	59	21	4.7	0
18/04/2023 16:30	2.5	61	23	4	0
18/04/2023 16:40	2.3	68	20	3.7	0
18/04/2023 16:50	2.2	62	22	3.9	0
18/04/2023 17:00	2.3	64	21	3.7	0
18/04/2023 17:10	2	60	23	3.6	0
18/04/2023 17:20	2.2	57	21	3.3	0
18/04/2023 17:30	2.1	58	22	3.6	0
18/04/2023 17:40	2	56	21	3.4	0
18/04/2023 17:50	1.8	52	18	3	0
18/04/2023 18:00	1.4	52	19	2.2	0
18/04/2023 18:10	1.7	51	20	2.5	0



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/04/2023 18:20	1.8	49	14	2.7	0
18/04/2023 18:30	1.6	46	17	2.6	0
18/04/2023 18:40	1.6	46	19	2.4	0
18/04/2023 18:50	1.1	47	20	1.6	0
18/04/2023 19:00	1.2	45	20	1.7	0
18/04/2023 19:10	1.1	44	18	1.6	0
18/04/2023 19:20	1.2	36	21	1.8	0
18/04/2023 19:30	1.4	37	20	2.2	0
18/04/2023 19:40	1.5	37	20	2.3	0
18/04/2023 19:50	1.5	34	21	2.3	0
18/04/2023 20:00	1.2	38	19	2	0
18/04/2023 20:10	1	36	19	1.6	0
18/04/2023 20:20	0.7	54	21	1.2	0
18/04/2023 20:30	0.9	36	17	1.3	0
18/04/2023 20:40	1.2	24	17	1.7	0
18/04/2023 20:50	1.3	25	16	1.8	0
18/04/2023 21:00	1.1	31	19	1.9	0
18/04/2023 21:10	0.3	64	17	0.9	0
18/04/2023 21:20	0	51	0	0.4	0
18/04/2023 21:30	0	10	5	0.4	0
18/04/2023 21:40	0.1	10	8	0.6	0
18/04/2023 21:50	0	310	2	0.4	0
18/04/2023 22:00					0
18/04/2023 22:10	0	262	1	0.4	0
18/04/2023 22:20	0.4	269	4	0.8	0
18/04/2023 22:30	0.5	348	7	0.9	0
18/04/2023 22:40	0.7	344	10	0.9	0
18/04/2023 22:50	0.2	289	11	0.8	0
18/04/2023 23:00	0.6	256	11	1	0
18/04/2023 23:10	1.4	258	10	1.9	0
18/04/2023 23:20	1.1	258	11	1.4	0
18/04/2023 23:30	0.6	257	11	1.1	0
18/04/2023 23:40	0	7	5	0.4	0
18/04/2023 23:50	0.1	210	8	0.6	0
19/04/2023 00:00	0.3	176	27	1.1	0
19/04/2023 00:10	0.1	143	23	0.8	0
19/04/2023 00:20	0.2	193	12	0.8	0
19/04/2023 00:30	0.1	177	34	0.7	0
19/04/2023 00:40	0.4	255	19	1	0
19/04/2023 00:50	0.9	221	18	1.8	0
19/04/2023 01:00	0.8	185	22	2.2	0
19/04/2023 01:10	0.4	211	28	1.1	0
19/04/2023 01:20	0.3	232	20	1.3	0
19/04/2023 01:30	0.1	251	21	0.5	0
19/04/2023 01:40	0.5	236	20	1	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/04/2023 01:50	0.4	262	14	0.9	0
19/04/2023 02:00	0.5	314	18	0.9	0
19/04/2023 02:10	0.5	341	16	0.8	0
19/04/2023 02:20	0.7	348	7	1.1	0
19/04/2023 02:30	0.5	353	6	0.9	0
19/04/2023 02:40	0.4	12	12	0.8	0
19/04/2023 02:50	0.3	6	11	0.8	0
19/04/2023 03:00	0.3	1	9	0.7	0
19/04/2023 03:10	0.3	355	9	0.8	0
19/04/2023 03:20	0.6	178	10	0.9	0
19/04/2023 03:30	0.7	359	20	0.8	0
19/04/2023 03:40	0.5	7	12	0.8	0
19/04/2023 03:50	0.2	166	13	0.8	0
19/04/2023 04:00	0.2	122	29	1	0
19/04/2023 04:10	0	37	6	0.4	0
19/04/2023 04:20	0.1	45	12	0.8	0
19/04/2023 04:30	0.2	102	19	1.1	0
19/04/2023 04:40	0.1	57	18	0.6	0
19/04/2023 04:50					0
19/04/2023 05:00	0	78	7	0.6	0
19/04/2023 05:10	0	76	8	0.4	0
19/04/2023 05:20	0	57	13	0.4	0
19/04/2023 05:30	0	211	3	0.5	0
19/04/2023 05:40	0.2	114	16	0.6	0
19/04/2023 05:50	0.6	96	35	1.6	0
19/04/2023 06:00	1.4	97	36	2.6	0
19/04/2023 06:10	1.9	94	36	3.6	0
19/04/2023 06:20	2.4	89	30	4.8	0
19/04/2023 06:30	2.8	96	34	4.5	0
19/04/2023 06:40	2.5	97	29	5.2	0
19/04/2023 06:50	2.4	91	32	5.2	0
19/04/2023 07:00	2.9	98	33	5.1	0
19/04/2023 07:10	2.2	110	33	3.8	0
19/04/2023 07:20	2.6	111	31	4.3	0
19/04/2023 07:30	2.4	104	36	4.3	0
19/04/2023 07:40	2.5	105	32	4.8	0
19/04/2023 07:50	2.8	104	32	4.7	0
19/04/2023 08:00	2.7	111	32	5	0
19/04/2023 08:10	2.8	108	33	5.1	0
19/04/2023 08:20	2.8	109	38	4.8	0
19/04/2023 08:30	3.4	100	34	6.2	0
19/04/2023 08:40	3.4	96	32	5.7	0
19/04/2023 08:50	3.7	103	32	6	0
19/04/2023 09:00	3.3	104	35	5.8	0
19/04/2023 09:10	4	98	28	7.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/04/2023 09:20	4.5	76	27	6.8	0
19/04/2023 09:30	4.8	85	20	7.3	0
19/04/2023 09:40	4.2	85	23	6.8	0
19/04/2023 09:50	4.2	86	28	6.8	0
19/04/2023 10:00	3.3	91	29	5.5	0
19/04/2023 10:10	3.9	87	24	6.3	0
19/04/2023 10:20	3.8	83	20	6.5	0
19/04/2023 10:30	3.7	78	24	5.7	0
19/04/2023 10:40	3.2	80	32	5.2	0
19/04/2023 10:50	3.7	75	23	6.1	0
19/04/2023 11:00	3.3	75	29	5.9	0
19/04/2023 11:10	3.7	77	18	6.5	0
19/04/2023 11:20	3.8	76	24	6	0
19/04/2023 11:30	3.8	71	22	6.1	0
19/04/2023 11:40	3.7	75	24	6.2	0
19/04/2023 11:50	3.7	75	24	5.9	0
19/04/2023 12:00	3.8	77	25	6	0
19/04/2023 12:10	3.8	85	24	6.1	0
19/04/2023 12:20	3.5	78	23	5.6	0
19/04/2023 12:30	3.5	60	23	5.6	0
19/04/2023 12:40	3.7	57	19	6	0
19/04/2023 12:50	3.3	56	21	5.4	0
19/04/2023 13:00	3.6	63	26	6.3	0
19/04/2023 13:10	3.4	58	25	6.3	0
19/04/2023 13:20	3.2	58	22	5.1	0
19/04/2023 13:30	3.4	71	26	5.2	0
19/04/2023 13:40	3.3	69	25	5.4	0
19/04/2023 13:50	3.4	62	25	5.7	0
19/04/2023 14:00	3.7	55	23	5.4	0
19/04/2023 14:10	3.4	64	26	5.1	0
19/04/2023 14:20	3.5	65	22	5.8	0
19/04/2023 14:30	3.8	51	20	6.2	0
19/04/2023 14:40	3.8	57	19	5.7	0
19/04/2023 14:50	3.2	60	24	5.2	0
19/04/2023 15:00	3.3	52	20	5.5	0
19/04/2023 15:10	3.3	52	25	5.2	0
19/04/2023 15:20	2.8	59	22	5.4	0
19/04/2023 15:30	3	59	21	4.9	0
19/04/2023 15:40	3.2	49	20	4.9	0
19/04/2023 15:50	3.1	54	24	5.1	0
19/04/2023 16:00	3.3	49	18	5.1	0
19/04/2023 16:10	3.5	50	19	5.6	0
19/04/2023 16:20	2.7	52	23	4	0
19/04/2023 16:30	2.7	42	23	4.1	0
19/04/2023 16:40	2.8	43	22	4.3	0



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/04/2023 16:50	2.7	41	22	4.3	0
19/04/2023 17:00	2.8	49	20	4.1	0
19/04/2023 17:10	2.3	49	22	3.6	0
19/04/2023 17:20	2	58	23	3.2	0
19/04/2023 17:30	1.7	58	22	2.9	0
19/04/2023 17:40	1.4	50	23	2.5	0
19/04/2023 17:50	1.4	52	18	2.1	0
19/04/2023 18:00	1.5	48	16	2.4	0
19/04/2023 18:10	1.3	49	16	2	0
19/04/2023 18:20	1.4	46	21	2.1	0
19/04/2023 18:30	1.3	48	18	2	0
19/04/2023 18:40	0.9	46	22	1.5	0
19/04/2023 18:50	1.2	39	20	1.9	0
19/04/2023 19:00	1.2	35	19	1.8	0
19/04/2023 19:10	1.3	33	18	1.6	0
19/04/2023 19:20	1.2	35	15	1.6	0
19/04/2023 19:30	1	43	17	1.6	0
19/04/2023 19:40	0.7	58	14	1.1	0
19/04/2023 19:50	0.7	52	15	1	0
19/04/2023 20:00	0.8	48	13	1.2	0
19/04/2023 20:10	1	30	13	1.2	0
19/04/2023 20:20	1	29	18	1.4	0
19/04/2023 20:30	0.8	33	18	1.3	0
19/04/2023 20:40	0.6	46	16	0.9	0
19/04/2023 20:50	0.7	29	16	0.9	0
19/04/2023 21:00	0.2	154	9	0.7	0
19/04/2023 21:10	0.1	266	1	0.6	0
19/04/2023 21:20					0
19/04/2023 21:30					0
19/04/2023 21:40					0
19/04/2023 21:50	0	353	0	0.4	0
19/04/2023 22:00	0	354	0	0.4	0
19/04/2023 22:10	0.5	350	5	0.9	0
19/04/2023 22:20	0.5	186	13	0.9	0
19/04/2023 22:30	0.7	24	12	1	0
19/04/2023 22:40	0.3	41	15	1	0
19/04/2023 22:50	0.8	38	17	1.3	0
19/04/2023 23:00	0.5	41	24	0.9	0
19/04/2023 23:10	0.2	54	27	0.9	0
19/04/2023 23:20	0.1	191	13	0.6	0
19/04/2023 23:30	0.1	56	7	0.5	0
19/04/2023 23:40	0.2	45	14	0.9	0
19/04/2023 23:50	0.4	59	15	1	0
20/04/2023 00:00	0.1	77	5	0.8	0
20/04/2023 00:10	0.1	87	8	0.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/04/2023 00:20	0.2	71	16	1.1	0
20/04/2023 00:30	0.3	65	20	1.1	0
20/04/2023 00:40	0.6	77	23	1.6	0
20/04/2023 00:50	0.6	88	32	1.3	0
20/04/2023 01:00	1.1	97	27	2.4	0
20/04/2023 01:10	1.1	98	28	2.6	0
20/04/2023 01:20	1.9	121	34	3.4	0
20/04/2023 01:30	2.4	118	33	4.1	0
20/04/2023 01:40	3	119	31	5.2	0
20/04/2023 01:50	2.9	115	34	5.5	0
20/04/2023 02:00	3.1	112	31	5.3	0
20/04/2023 02:10	2.8	111	36	4.7	0
20/04/2023 02:20	2.9	104	34	6.3	0
20/04/2023 02:30	2.8	108	37	4.4	0
20/04/2023 02:40	2.4	106	35	4.1	0
20/04/2023 02:50	2.9	109	29	5	0
20/04/2023 03:00	2.4	108	33	4.8	0
20/04/2023 03:10	2.6	111	31	4.4	0
20/04/2023 03:20	2.3	105	31	4.2	0
20/04/2023 03:30	2.5	109	31	4.4	0
20/04/2023 03:40	2.6	112	34	4.3	0
20/04/2023 03:50	2.4	110	37	4.2	0
20/04/2023 04:00	2.4	101	32	3.9	0
20/04/2023 04:10	2.3	104	31	4	0
20/04/2023 04:20	2.2	114	31	4.4	0
20/04/2023 04:30	2.1	111	33	3.8	0
20/04/2023 04:40	2.4	105	31	4.7	0
20/04/2023 04:50	2.3	105	33	4.4	0
20/04/2023 05:00	2.4	109	31	4.4	0
20/04/2023 05:10	2.4	115	30	4	0
20/04/2023 05:20	2.6	110	31	5.3	0
20/04/2023 05:30	2.4	103	31	4.4	0
20/04/2023 05:40	2.7	104	31	4.8	0
20/04/2023 05:50	2.6	104	32	4.4	0
20/04/2023 06:00	2.5	104	33	4.8	0
20/04/2023 06:10	2.5	104	34	4.9	0
20/04/2023 06:20	2.8	111	35	5.2	0
20/04/2023 06:30	2.7	100	37	5.2	0
20/04/2023 06:40	2.8	103	33	5.5	0
20/04/2023 06:50	2.9	104	33	5.8	0
20/04/2023 07:00	3.2	102	37	6	0
20/04/2023 07:10	3.1	102	32	6	0
20/04/2023 07:20	3.5	101	33	5.5	0
20/04/2023 07:30	3.2	112	36	5.9	0
20/04/2023 07:40	3.2	106	34	5.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/04/2023 07:50	3.8	96	29	6.3	0
20/04/2023 08:00	3.6	105	38	6.7	0
20/04/2023 08:10	3.9	102	29	6.2	0
20/04/2023 08:20	3.4	99	33	6	0
20/04/2023 08:30	3.6	102	38	6.1	0
20/04/2023 08:40	3.5	98	31	7	0
20/04/2023 08:50	3.3	93	32	5.6	0
20/04/2023 09:00	3.4	94	34	6.3	0
20/04/2023 09:10	4.1	87	25	6.8	0
20/04/2023 09:20	4.1	87	28	6.9	0
20/04/2023 09:30	4.4	90	24	7	0
20/04/2023 09:40	4.3	80	25	6.4	0
20/04/2023 09:50	3.5	90	29	6.3	0
20/04/2023 10:00	4.6	87	26	7.5	0
20/04/2023 10:10	4	88	31	6.8	0
20/04/2023 10:20	4.1	90	24	6.6	0
20/04/2023 10:30	3.9	88	27	6.8	0
20/04/2023 10:40	3.9	89	30	6.5	0
20/04/2023 10:50	3.8	85	29	6.1	0
20/04/2023 11:00	3.8	79	25	6.5	0
20/04/2023 11:10	3.9	82	22	6	0
20/04/2023 11:20	3.1	77	26	4.8	0
20/04/2023 11:30	3.2	79	29	6.2	0
20/04/2023 11:40	3	79	32	5.5	0
20/04/2023 11:50	3.2	72	26	5.3	0
20/04/2023 12:00	2.8	80	29	5.4	0
20/04/2023 12:10	3.1	76	24	4.7	0
20/04/2023 12:20	3.1	76	26	5.6	0
20/04/2023 12:30	3.1	80	30	4.8	0
20/04/2023 12:40	3.2	81	27	5.6	0
20/04/2023 12:50	3.3	78	24	5.5	0
20/04/2023 13:00	3.3	82	22	6	0
20/04/2023 13:10	3.3	74	25	5.3	0
20/04/2023 13:20	3	69	25	4.8	0
20/04/2023 13:30	3.3	68	23	5	0
20/04/2023 13:40	3.3	73	24	5.1	
20/04/2023 13:50	3.3	71	32	5.4	
20/04/2023 14:00	3.5	84	28	5.9	
20/04/2023 14:10	3.2	74	29	5.2	0
20/04/2023 14:20	3.2	73	26	5.3	0
20/04/2023 14:30	3.3	76	23	5.3	0
20/04/2023 14:40	3.7	76	23	5.8	0
20/04/2023 14:50	3.4	77	25	5.6	0
20/04/2023 15:00	3.1	77	22	5.2	0
20/04/2023 15:10	3.4	80	22	5.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/04/2023 15:20	2.6	79	29	4.5	0
20/04/2023 15:30	2.5	68	29	4.6	0
20/04/2023 15:40	2.5	58	26	4.6	0
20/04/2023 15:50	2.6	65	24	4	0
20/04/2023 16:00	2.7	62	25	4.4	0
20/04/2023 16:10	2.8	68	22	4.9	0
20/04/2023 16:20	2.5	64	22	4.3	0
20/04/2023 16:30	2.5	62	20	4	0
20/04/2023 16:40	2.4	59	25	3.9	0
20/04/2023 16:50	2.4	59	24	3.9	0
20/04/2023 17:00	2.2	62	26	3.7	0
20/04/2023 17:10	2.1	63	21	3.5	0
20/04/2023 17:20	1.8	51	18	2.9	0
20/04/2023 17:30	1.7	47	18	2.9	0
20/04/2023 17:40	1.6	47	16	2.4	0
20/04/2023 17:50	1.4	44	17	2.2	0
20/04/2023 18:00	1.3	39	18	2	0
20/04/2023 18:10	1.2	31	13	1.8	0
20/04/2023 18:20	1.2	35	17	1.6	0
20/04/2023 18:30	1.3	29	17	1.7	0
20/04/2023 18:40	1.4	26	15	1.9	0
20/04/2023 18:50	1.4	32	19	2	0
20/04/2023 19:00	1.3	36	18	1.9	0
20/04/2023 19:10	1.2	40	17	1.8	0
20/04/2023 19:20	1.3	30	14	1.8	0
20/04/2023 19:30	1.3	33	18	1.9	0
20/04/2023 19:40	1.2	35	19	1.7	0
20/04/2023 19:50	1.3	35	21	2.1	0
20/04/2023 20:00	1.2	40	18	1.9	0
20/04/2023 20:10	1.2	37	21	1.7	0
20/04/2023 20:20	1.4	31	19	1.8	0
20/04/2023 20:30	1.5	31	18	2.3	0
20/04/2023 20:40	1.3	26	18	1.9	0
20/04/2023 20:50	1.3	23	16	1.9	0
20/04/2023 21:00	1.3	25	17	1.9	0
20/04/2023 21:10	1.2	20	18	1.7	0
20/04/2023 21:20	1	17	18	1.3	0
20/04/2023 21:30	0.9	236	34	1.3	0
20/04/2023 21:40	0.9	325	30	1.2	0
20/04/2023 21:50	0.8	195	20	1.2	0
20/04/2023 22:00	0.7	29	16	1.2	0
20/04/2023 22:10	0.8	26	20	1.2	0
20/04/2023 22:20	0.7	21	22	1	0
20/04/2023 22:30	0.7	12	20	0.9	0
20/04/2023 22:40	0.6	186	16	0.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/04/2023 22:50	0.6	10	19	0.9	0
20/04/2023 23:00	0.4	19	20	0.8	0
20/04/2023 23:10	0.1	28	16	0.6	0
20/04/2023 23:20					0
20/04/2023 23:30	0.1	64	11	0.6	0
20/04/2023 23:40	0.3	65	17	1	0
20/04/2023 23:50	0.1	35	6	0.6	0
21/04/2023 00:00	0	219	5	0.6	0
21/04/2023 00:10	0.1	23	13	0.5	0
21/04/2023 00:20	0.3	36	14	0.8	0
21/04/2023 00:30	0.1	40	13	0.6	0
21/04/2023 00:40	0.2	105	29	1.1	0
21/04/2023 00:50	0.2	120	16	0.8	0
21/04/2023 01:00	0	20	7	0.4	0
21/04/2023 01:10	0	48	9	0.6	0
21/04/2023 01:20	0.3	37	22	1	0
21/04/2023 01:30	0.2	59	16	0.7	0
21/04/2023 01:40	0.3	60	27	1.1	0
21/04/2023 01:50	0.3	78	30	1	0
21/04/2023 02:00	0.1	81	22	0.7	0
21/04/2023 02:10	0.2	78	19	1.6	0
21/04/2023 02:20	0.9	85	29	1.6	0
21/04/2023 02:30	0.6	89	43	1.3	0
21/04/2023 02:40	0.5	77	34	1.5	0
21/04/2023 02:50	0.1	79	21	0.7	0
21/04/2023 03:00	0.1	66	18	0.7	0
21/04/2023 03:10	0.3	56	20	0.8	0
21/04/2023 03:20	0.1	60	16	0.7	0
21/04/2023 03:30	0.1	66	14	0.8	0
21/04/2023 03:40	0.1	65	16	0.5	0
21/04/2023 03:50	0.6	99	21	1.3	0
21/04/2023 04:00	0.6	96	35	1.6	0
21/04/2023 04:10	0.6	81	36	1.3	0
21/04/2023 04:20	1.3	91	34	2.3	0
21/04/2023 04:30	0.5	83	34	1.4	0
21/04/2023 04:40	0.8	77	34	1.3	0
21/04/2023 04:50	1	80	33	1.8	0
21/04/2023 05:00	1.3	80	29	2.4	0
21/04/2023 05:10	1.1	90	28	2.2	0
21/04/2023 05:20	0.9	84	43	1.7	0
21/04/2023 05:30	1.5	90	34	2.8	0
21/04/2023 05:40	1.4	92	24	2.3	0
21/04/2023 05:50	1.4	84	28	2.7	0
21/04/2023 06:00	1.5	98	30	2.5	0
21/04/2023 06:10	1.3	96	35	2.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/04/2023 06:20	1.5	94	38	3	0
21/04/2023 06:30	1.9	104	24	3.4	0
21/04/2023 06:40	1.8	94	36	3.5	0
21/04/2023 06:50	2	86	24	3.5	0
21/04/2023 07:00	1.9	93	35	3.3	0
21/04/2023 07:10	2.2	94	31	4	0
21/04/2023 07:20	2.5	86	26	4.1	0
21/04/2023 07:30	2.2	87	27	4.2	0
21/04/2023 07:40	2.2	94	26	4	0
21/04/2023 07:50	2.6	81	22	4.6	0
21/04/2023 08:00	2.3	85	26	4.1	0
21/04/2023 08:10	2.5	69	25	4.2	0
21/04/2023 08:20	2.6	78	27	3.8	0
21/04/2023 08:30	2.9	89	26	4.6	0
21/04/2023 08:40	2.7	82	27	5.1	0
21/04/2023 08:50	3.2	87	24	6	0
21/04/2023 09:00	3.8	84	21	5.6	0
21/04/2023 09:10	3.3	84	25	5.7	0
21/04/2023 09:20	3	87	25	4.9	0
21/04/2023 09:30	3.2	81	28	6	0
21/04/2023 09:40	3	79	24	4.7	0
21/04/2023 09:50	3.9	74	21	6.4	0
21/04/2023 10:00	3.8	81	26	6.3	0
21/04/2023 10:10	4.1	74	25	6.4	0
21/04/2023 10:20	3.7	73	28	6.7	0
21/04/2023 10:30	3.7	79	25	5.9	0
21/04/2023 10:40	3.9	89	29	6.8	0
21/04/2023 10:50	4	82	20	6	0
21/04/2023 11:00	3.7	78	26	6.2	0
21/04/2023 11:10	3.6	82	23	5.9	0
21/04/2023 11:20	3.3	77	28	5.6	0
21/04/2023 11:30	4.1	79	23	6.9	0
21/04/2023 11:40	3.9	78	23	6.1	0
21/04/2023 11:50	4.1	81	25	6.4	0
21/04/2023 12:00	4.2	82	23	6.8	0
21/04/2023 12:10	3.5	87	25	5.3	0
21/04/2023 12:20	3.5	79	25	6	0
21/04/2023 12:30	3.1	79	25	5.4	0
21/04/2023 12:40	3.3	69	21	5.7	0
21/04/2023 12:50	2.9	78	24	4.4	0
21/04/2023 13:00	3.1	55	23	5.9	0
21/04/2023 13:10	3.2	56	25	5	0
21/04/2023 13:20	3.2	64	24	5.3	0
21/04/2023 13:30	3.2	61	26	5.6	0
21/04/2023 13:40	3.2	62	24	5.4	0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/04/2023 13:50	3.5	64	24	5.5	0
21/04/2023 14:00	3.4	64	23	5.2	0
21/04/2023 14:10	3.5	67	20	5.6	0
21/04/2023 14:20	3.6	65	22	5.2	0
21/04/2023 14:30	3.4	72	22	5.4	0
21/04/2023 14:40	3.2	67	24	5.1	0
21/04/2023 14:50	3	66	20	4.4	0
21/04/2023 15:00	3.1	55	20	4.9	0
21/04/2023 15:10	3.1	62	20	5.1	0
21/04/2023 15:20	3.3	50	24	4.9	0
21/04/2023 15:30	2.6	59	22	4.4	0
21/04/2023 15:40	3.4	48	21	5.1	0
21/04/2023 15:50	2.8	54	21	4.6	0
21/04/2023 16:00	3.3	47	19	5.4	0
21/04/2023 16:10	2.9	50	26	4.4	0
21/04/2023 16:20	3	54	20	4.8	0
21/04/2023 16:30	2.9	54	24	4.5	0
21/04/2023 16:40	2.9	45	21	4.4	0
21/04/2023 16:50	2.9	54	20	4.9	0
21/04/2023 17:00	3.3	50	21	5.3	0
21/04/2023 17:10	2.8	54	19	4.3	0
21/04/2023 17:20	2	58	21	3.9	0
21/04/2023 17:30	2	58	25	3.6	0
21/04/2023 17:40	2.1	45	22	3.6	0
21/04/2023 17:50	2.1	46	23	2.9	0
21/04/2023 18:00	2.2	49	17	3.4	0
21/04/2023 18:10	2	51	19	3.7	0
21/04/2023 18:20	2	50	17	3.2	0
21/04/2023 18:30	1.8	49	19	2.7	0
21/04/2023 18:40	1.4	46	20	2.6	0
21/04/2023 18:50	1.4	51	18	2	0
21/04/2023 19:00	1.4	47	20	2	0
21/04/2023 19:10	1.3	51	16	2.2	0
21/04/2023 19:20	0.7	42	9	0.9	0
21/04/2023 19:30	0.8	39	17	1.3	0
21/04/2023 19:40	1.1	38	17	1.7	0
21/04/2023 19:50	1	37	19	1.6	0
21/04/2023 20:00	1	36	17	1.4	0
21/04/2023 20:10	1	29	16	1.2	0
21/04/2023 20:20	0.8	30	16	1.2	0
21/04/2023 20:30	0.1	28	4	0.9	0
21/04/2023 20:40					0
21/04/2023 20:50					0
21/04/2023 21:00	0.4	23	9	0.8	0
21/04/2023 21:10	0.5	24	11	0.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/04/2023 21:20	0.4	19	6	0.9	0
21/04/2023 21:30	0.9	15	15	1.2	0
21/04/2023 21:40	0.9	15	21	1.2	0
21/04/2023 21:50	0.9	9	20	1.4	0
21/04/2023 22:00	0.8	16	19	1.1	0
21/04/2023 22:10	0.4	10	12	0.9	0
21/04/2023 22:20	0.5	225	13	0.8	0
21/04/2023 22:30	0	225	1	0.4	0
21/04/2023 22:40					0
21/04/2023 22:50	0	352	0	0.4	0
21/04/2023 23:00					0
21/04/2023 23:10	0	184	2	0.5	0
21/04/2023 23:20	0.1	144	14	0.6	0
21/04/2023 23:30	0.4	27	14	0.9	0
21/04/2023 23:40	0.3	6	17	0.7	0
21/04/2023 23:50	0.4	354	14	0.9	0
22/04/2023 00:00	0.3	22	10	0.8	0
22/04/2023 00:10	0.5	23	16	0.9	0
22/04/2023 00:20	0.5	14	13	0.8	0
22/04/2023 00:30	0.7	350	13	1.1	0
22/04/2023 00:40	0.9	347	15	1.2	0
22/04/2023 00:50	0.6	353	14	1.1	0
22/04/2023 01:00	0.4	351	11	0.8	0
22/04/2023 01:10	0.8	350	8	1.1	0
22/04/2023 01:20	0.5	312	14	0.9	0
22/04/2023 01:30					0
22/04/2023 01:40	0.1	166	2	0.5	0
22/04/2023 01:50	0.4	181	7	0.8	0
22/04/2023 02:00	0.6	178	14	1	0
22/04/2023 02:10	0.6	19	16	1	0
22/04/2023 02:20	0.6	22	18	0.9	0
22/04/2023 02:30	0.6	25	16	0.8	0
22/04/2023 02:40	0.5	185	14	1	0
22/04/2023 02:50	0.6	354	11	1.1	0
22/04/2023 03:00	0.4	351	9	1	0
22/04/2023 03:10	0.5	12	14	0.8	0
22/04/2023 03:20	0.6	18	14	0.8	0
22/04/2023 03:30	0.2	15	10	0.7	0
22/04/2023 03:40	0	185	4	0.5	0
22/04/2023 03:50	0.3	39	26	0.8	0
22/04/2023 04:00	0.2	29	19	0.5	0
22/04/2023 04:10	0.1	181	14	0.7	0
22/04/2023 04:20	0.5	42	18	1	0
22/04/2023 04:30	0.3	61	19	0.9	0
22/04/2023 04:40	0.8	132	29	1.7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/04/2023 04:50	0.6	113	28	1.6	0
22/04/2023 05:00	0.4	67	27	1.1	0
22/04/2023 05:10	0.5	72	25	1.1	0
22/04/2023 05:20	0.3	57	16	0.8	0
22/04/2023 05:30	0.5	62	20	1.1	0
22/04/2023 05:40	1	77	24	2.2	0
22/04/2023 05:50	0.9	63	26	1.7	0
22/04/2023 06:00	1	72	21	1.6	0
22/04/2023 06:10	0.9	79	25	1.4	0
22/04/2023 06:20	0.9	78	37	1.4	0
22/04/2023 06:30	0.8	73	29	1.3	0
22/04/2023 06:40	0.7	69	20	1.3	0
22/04/2023 06:50	0.8	68	35	1.4	0
22/04/2023 07:00	0.9	85	21	1.4	0
22/04/2023 07:10	0.8	88	24	1.4	0
22/04/2023 07:20	1.1	88	18	1.8	0
22/04/2023 07:30	1.3	98	23	2.2	0
22/04/2023 07:40	1.2	105	29	2	0
22/04/2023 07:50	1.5	102	23	2.3	0
22/04/2023 08:00	1.7	99	28	2.8	0
22/04/2023 08:10	1.9	99	30	3.2	0
22/04/2023 08:20	1.9	93	28	3.3	0
22/04/2023 08:30	2	103	29	3.3	0
22/04/2023 08:40	1.8	100	31	2.8	0
22/04/2023 08:50	2.1	103	26	3.2	0
22/04/2023 09:00	2.5	94	25	4	0
22/04/2023 09:10	3	92	23	4.6	0
22/04/2023 09:20	2.7	86	30	4.5	0
22/04/2023 09:30	2.7	80	27	4.1	0
22/04/2023 09:40	3	85	27	5.1	0
22/04/2023 09:50	3.2	91	22	5.2	0
22/04/2023 10:00	3.4	85	30	5.8	0
22/04/2023 10:10	3	88	26	5.2	0
22/04/2023 10:20	3.4	77	24	5.6	0
22/04/2023 10:30	3.3	82	26	5.2	0
22/04/2023 10:40	3.5	68	21	6.9	0
22/04/2023 10:50	3.1	73	25	4.9	0
22/04/2023 11:00	2.8	71	23	4.4	0
22/04/2023 11:10	2.9	76	22	5.5	0
22/04/2023 11:20	3.3	62	21	5.7	0
22/04/2023 11:30	3.2	62	22	5.2	0
22/04/2023 11:40	3.1	69	27	5.2	0
22/04/2023 11:50	3	63	23	5.4	0
22/04/2023 12:00	2.9	61	23	5.6	0
22/04/2023 12:10	3	62	25	5.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/04/2023 12:20	3.1	66	27	4.8	0
22/04/2023 12:30	2.9	60	24	4.4	0
22/04/2023 12:40	3	60	22	4.4	0
22/04/2023 12:50	3	64	22	5.2	0
22/04/2023 13:00	3.1	62	25	5.2	0
22/04/2023 13:10	3.5	60	24	6.1	0
22/04/2023 13:20	3.5	64	23	5.5	0
22/04/2023 13:30	3.4	62	24	5.6	0
22/04/2023 13:40	3.6	69	21	5.6	0
22/04/2023 13:50	3.7	71	23	6	0
22/04/2023 14:00	3.9	77	23	6.2	0
22/04/2023 14:10	3.6	69	24	6	0
22/04/2023 14:20	3.2	68	26	5.6	0
22/04/2023 14:30	3.3	60	24	5.5	0
22/04/2023 14:40	3.8	57	25	6.7	0
22/04/2023 14:50	3.3	64	24	5	0
22/04/2023 15:00	3.8	48	23	6	0
22/04/2023 15:10	3.7	53	21	6.4	0
22/04/2023 15:20	3.6	60	22	5.6	0
22/04/2023 15:30	3.4	59	19	5.6	0
22/04/2023 15:40	3.7	54	21	6.2	0
22/04/2023 15:50	3.3	60	21	5.8	0
22/04/2023 16:00	2.9	63	22	4.8	0
22/04/2023 16:10	3.2	51	23	5.3	0
22/04/2023 16:20	3.1	59	23	4.6	0
22/04/2023 16:30	2.9	47	22	4.6	0
22/04/2023 16:40	3.2	48	21	5.2	0
22/04/2023 16:50	2.7	56	25	4.7	0
22/04/2023 17:00	2.6	51	23	4.2	0
22/04/2023 17:10	2.3	49	27	3.9	0
22/04/2023 17:20	2.6	50	21	4.6	0
22/04/2023 17:30	1.9	54	23	3	0
22/04/2023 17:40	1.9	49	23	3.3	0
22/04/2023 17:50	2	45	21	3.2	0
22/04/2023 18:00	2.1	47	19	3.8	0
22/04/2023 18:10	2.1	46	20	3.4	0
22/04/2023 18:20	2.1	48	18	3.4	0
22/04/2023 18:30	1.1	55	20	2.1	0
22/04/2023 18:40	0.7	57	22	1.2	0
22/04/2023 18:50	0.4	34	19	1	0
22/04/2023 19:00	0.3	24	15	0.7	0
22/04/2023 19:10	0.6	24	16	0.9	0
22/04/2023 19:20	0.7	28	17	1	0
22/04/2023 19:30	0.1	44	7	0.5	0
22/04/2023 19:40	0.3	18	18	0.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/04/2023 19:50	0.4	17	16	0.8	0
22/04/2023 20:00	0.4	19	14	0.8	0
22/04/2023 20:10	0.8	22	19	1.6	0
22/04/2023 20:20	0.9	14	18	1.3	0
22/04/2023 20:30	0.7	21	15	1.1	0
22/04/2023 20:40	1	21	13	1.3	0
22/04/2023 20:50	0.9	37	16	1.3	0
22/04/2023 21:00	0.8	31	14	1	0
22/04/2023 21:10	0.1	39	4	0.5	0
22/04/2023 21:20	0.1	32	3	0.4	0
22/04/2023 21:30	0	52	0	0.4	0
22/04/2023 21:40					0
22/04/2023 21:50					0
22/04/2023 22:00					0
22/04/2023 22:10					0
22/04/2023 22:20	0	33	0	0.4	0
22/04/2023 22:30	0	34	1	0.4	0
22/04/2023 22:40	0.1	76	8	0.6	0
22/04/2023 22:50	0.4	53	13	0.9	0
22/04/2023 23:00	0.2	194	12	0.9	0
22/04/2023 23:10	0.2	16	15	0.8	0
22/04/2023 23:20	0.2	22	16	0.8	0
22/04/2023 23:30	0.4	12	15	0.8	0
22/04/2023 23:40	0.3	32	19	0.7	0
22/04/2023 23:50	0.4	53	15	0.8	0
23/04/2023 00:00	0.3	57	11	0.8	0
23/04/2023 00:10	0.4	53	21	1.1	0
23/04/2023 00:20	0.3	48	16	0.8	0
23/04/2023 00:30	0.5	38	17	0.8	0
23/04/2023 00:40	0.2	72	12	1	0
23/04/2023 00:50	0.4	72	23	1	0
23/04/2023 01:00	0.3	38	15	0.9	0
23/04/2023 01:10	0.4	34	17	0.8	0
23/04/2023 01:20	0.5	32	24	1.1	0
23/04/2023 01:30	0.4	37	26	0.8	0
23/04/2023 01:40	0.5	29	18	1	0
23/04/2023 01:50	0.5	25	20	0.8	0
23/04/2023 02:00	0.1	13	8	0.6	0
23/04/2023 02:10	0.2	24	12	0.6	0
23/04/2023 02:20	0.2	12	10	0.7	0
23/04/2023 02:30	0.4	17	23	0.9	0
23/04/2023 02:40	0.4	20	36	1.2	0
23/04/2023 02:50	0.3	89	36	1.2	0
23/04/2023 03:00	0.1	39	4	0.5	0
23/04/2023 03:10	0.3	30	18	0.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/04/2023 03:20	0.5	30	20	1.2	0
23/04/2023 03:30	0.2	20	26	0.8	0
23/04/2023 03:40	0.4	32	14	1.2	0
23/04/2023 03:50	0.6	21	19	1	0
23/04/2023 04:00	0.6	14	16	1.1	0
23/04/2023 04:10	0.5	12	12	0.8	0
23/04/2023 04:20	0.4	18	16	0.8	0
23/04/2023 04:30	0.1	37	9	0.6	0
23/04/2023 04:40	0.3	70	18	0.9	0
23/04/2023 04:50	0.2	114	23	1	0
23/04/2023 05:00	0.4	121	29	1.2	0
23/04/2023 05:10	0.1	131	7	0.7	0
23/04/2023 05:20	0	109	8	0.4	0
23/04/2023 05:30	0.3	100	15	0.8	0
23/04/2023 05:40	0.1	81	10	0.6	0
23/04/2023 05:50	0.2	80	27	0.8	0
23/04/2023 06:00	0.2	60	15	0.7	0
23/04/2023 06:10	0.3	37	17	0.8	0
23/04/2023 06:20	0.2	31	15	0.7	0
23/04/2023 06:30	0.2	50	10	0.9	0
23/04/2023 06:40	0.2	41	11	0.6	0
23/04/2023 06:50	0.1	52	15	0.6	0
23/04/2023 07:00	0.1	75	7	0.4	0
23/04/2023 07:10	0.1	75	14	0.6	0
23/04/2023 07:20	0.3	72	13	0.8	0
23/04/2023 07:30	0.4	95	24	0.9	0
23/04/2023 07:40	1.1	113	25	1.7	0
23/04/2023 07:50	0.7	104	24	1.3	0
23/04/2023 08:00	1	112	28	1.8	0
23/04/2023 08:10	1.5	99	26	2.4	0
23/04/2023 08:20	1.7	120	27	2.9	0
23/04/2023 08:30	1.6	108	37	2.7	0
23/04/2023 08:40	1.9	99	29	2.9	0
23/04/2023 08:50	2.2	106	31	3.6	0
23/04/2023 09:00	2.2	103	26	3.2	0
23/04/2023 09:10	2.1	108	32	3.4	0
23/04/2023 09:20	2.3	123	30	4	0
23/04/2023 09:30	1.9	106	33	3.3	0
23/04/2023 09:40	2.4	102	30	4	0
23/04/2023 09:50	2.6	94	31	4.2	0
23/04/2023 10:00	2.7	96	27	4.3	0
23/04/2023 10:10	2.9	94	29	4.7	0
23/04/2023 10:20	2.8	90	23	4.5	0
23/04/2023 10:30	2.9	88	26	4.4	0
23/04/2023 10:40	2.7	81	26	4.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/04/2023 10:50	2.9	80	27	4.8	0
23/04/2023 11:00	3.1	68	23	4.8	0
23/04/2023 11:10	3	77	22	5	0
23/04/2023 11:20	3.3	77	21	4.9	0
23/04/2023 11:30	3.1	84	25	4.8	0
23/04/2023 11:40	3.1	84	28	4.8	0
23/04/2023 11:50	3.3	77	28	5.5	0
23/04/2023 12:00	3.2	83	24	5	0
23/04/2023 12:10	3.5	82	25	5.9	0
23/04/2023 12:20	3.6	82	22	6.5	0
23/04/2023 12:30	3	85	27	5.3	0
23/04/2023 12:40	3.1	82	24	5.1	0
23/04/2023 12:50	3	79	22	4.8	0
23/04/2023 13:00	2.7	74	21	4.9	0
23/04/2023 13:10	2.8	60	27	4.4	0
23/04/2023 13:20	2.8	67	28	4.4	0
23/04/2023 13:30	2.9	60	24	4.4	0
23/04/2023 13:40	2.8	66	23	4.6	0
23/04/2023 13:50	2.7	68	24	4	0
23/04/2023 14:00	2.6	66	25	3.9	0
23/04/2023 14:10	2.6	68	25	4.1	0
23/04/2023 14:20	2.6	64	23	4.4	0
23/04/2023 14:30	2.5	68	23	4.4	0
23/04/2023 14:40	2.6	73	23	3.9	0
23/04/2023 14:50	2.5	75	25	4	0
23/04/2023 15:00	2.4	71	24	3.9	0
23/04/2023 15:10	2.3	67	25	4	0
23/04/2023 15:20	2.4	54	25	4.1	0
23/04/2023 15:30	2.5	61	27	4	0
23/04/2023 15:40	2.7	58	24	4	0
23/04/2023 15:50	2.5	57	22	3.9	0
23/04/2023 16:00	2.2	65	27	3.5	0
23/04/2023 16:10	2.1	75	22	3.3	0
23/04/2023 16:20	2.1	75	20	3.5	0
23/04/2023 16:30	2	74	18	3.3	0
23/04/2023 16:40	2.2	67	23	3.4	0
23/04/2023 16:50	1.9	64	28	2.9	0
23/04/2023 17:00	1.9	62	23	3	0
23/04/2023 17:10	1.8	54	18	2.9	0
23/04/2023 17:20	1.6	60	23	2.4	0
23/04/2023 17:30	1.4	60	20	2.1	0
23/04/2023 17:40	1.2	53	20	2.1	0
23/04/2023 17:50	1.5	51	16	2	0
23/04/2023 18:00	1.2	55	13	1.6	0
23/04/2023 18:10	1	56	13	1.5	0



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/04/2023 18:20	0.9	57	14	1.2	0
23/04/2023 18:30	1	51	12	1.2	0
23/04/2023 18:40	0.9	58	13	1.2	0
23/04/2023 18:50	0.8	54	15	1.1	0
23/04/2023 19:00	0.5	232	17	1	0
23/04/2023 19:10	0.3	241	49	1.1	0
23/04/2023 19:20	0.9	37	19	1.8	0
23/04/2023 19:30	0.9	48	20	1.5	0
23/04/2023 19:40	0.2	144	31	0.6	0
23/04/2023 19:50	0	212	0	0.4	0
23/04/2023 20:00	0	290	0	0.4	0
23/04/2023 20:10	0.1	342	4	0.6	0
23/04/2023 20:20	0.2	29	13	0.9	0
23/04/2023 20:30	0.3	50	13	0.8	0
23/04/2023 20:40	0.2	232	8	0.8	0
23/04/2023 20:50	0.3	241	4	0.8	0
23/04/2023 21:00	0.4	160	22	0.8	0
23/04/2023 21:10					0
23/04/2023 21:20	0.2	48	15	0.9	0
23/04/2023 21:30	0.1	67	14	0.5	0
23/04/2023 21:40	0.1	130	9	0.8	0
23/04/2023 21:50	0.6	189	16	1	0
23/04/2023 22:00	0.5	9	25	1	0
23/04/2023 22:10	0	181	1	0.4	0
23/04/2023 22:20	0.5	339	25	0.9	0
23/04/2023 22:30	0.2	190	10	0.6	0
23/04/2023 22:40					0
23/04/2023 22:50	0.6	25	12	1.1	0
23/04/2023 23:00	0.5	31	9	1.2	0
23/04/2023 23:10	0.9	18	21	1.2	0
23/04/2023 23:20	0.3	175	12	0.9	0
23/04/2023 23:30	0.1	289	4	0.4	0
23/04/2023 23:40	0.1	171	11	0.6	0
23/04/2023 23:50	0.2	250	6	0.7	0
24/04/2023 00:00	0.1	193	8	0.7	0
24/04/2023 00:10	0.2	236	24	0.8	0
24/04/2023 00:20					0
24/04/2023 00:30	0.4	252	10	0.8	0
24/04/2023 00:40	0.5	289	15	0.8	0
24/04/2023 00:50	0.4	167	7	1	0
24/04/2023 01:00	0.7	345	11	0.9	0
24/04/2023 01:10	0.1	346	6	0.6	0
24/04/2023 01:20	0.4	5	9	0.8	0
24/04/2023 01:30	0.4	350	8	1	0
24/04/2023 01:40	0.6	341	12	1.1	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/04/2023 01:50	0.8	339	16	1.1	0
24/04/2023 02:00	0.6	350	12	1.1	0
24/04/2023 02:10	1	342	13	1.3	0
24/04/2023 02:20	0.7	348	10	0.9	0
24/04/2023 02:30	0.7	347	8	1.1	0
24/04/2023 02:40	0.9	350	8	1.2	0
24/04/2023 02:50	0.7	344	10	1.1	0
24/04/2023 03:00	0.7	333	17	1.2	0
24/04/2023 03:10	0.4	291	6	0.8	0
24/04/2023 03:20					0
24/04/2023 03:30	0.3	168	8	0.7	0
24/04/2023 03:40	0.2	339	3	0.6	0
24/04/2023 03:50	0.6	338	11	0.9	0
24/04/2023 04:00	0.3	2	7	0.8	0
24/04/2023 04:10	0.5	343	7	0.8	0
24/04/2023 04:20	0.2	342	3	0.8	0
24/04/2023 04:30	0.2	350	5	0.6	0
24/04/2023 04:40	0.3	355	6	0.6	0
24/04/2023 04:50	0.7	346	7	1	0
24/04/2023 05:00	0.6	357	16	0.8	0
24/04/2023 05:10	0.2	324	5	0.7	0
24/04/2023 05:20	0.1	289	7	0.5	0
24/04/2023 05:30	0.2	347	4	0.5	0
24/04/2023 05:40	0.2	14	6	0.6	0
24/04/2023 05:50	0.1	358	8	0.4	0
24/04/2023 06:00	0.8	352	12	1.2	0
24/04/2023 06:10	0.4	176	11	0.9	0
24/04/2023 06:20	0.2	100	11	0.6	0
24/04/2023 06:30	0.1	325	12	0.6	0
24/04/2023 06:40	0.4	323	23	1	0
24/04/2023 06:50	1	227	19	1.6	0
24/04/2023 07:00	1	206	17	1.7	0
24/04/2023 07:10	0.9	207	17	1.4	0
24/04/2023 07:20	1.3	215	14	1.7	0
24/04/2023 07:30	1	174	28	1.6	0
24/04/2023 07:40	0.6	185	52	1	0
24/04/2023 07:50	0.9	78	19	1.5	0
24/04/2023 08:00	1.1	90	24	1.9	0
24/04/2023 08:10	1.2	89	21	1.9	0
24/04/2023 08:20	1.1	122	31	1.6	0
24/04/2023 08:30	1	115	31	1.6	0
24/04/2023 08:40	1.1	92	27	2	0
24/04/2023 08:50	1.1	106	30	2.5	0
24/04/2023 09:00	1.1	103	22	1.9	0
24/04/2023 09:10	1.2	109	28	2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/04/2023 09:20	1.4	115	30	2.2	0
24/04/2023 09:30	1.2	87	33	2.2	0
24/04/2023 09:40	1.4	76	23	2.2	0
24/04/2023 09:50	1.6	73	29	2.5	0
24/04/2023 10:00	1.2	81	32	2.3	0
24/04/2023 10:10	1.9	94	26	2.9	0
24/04/2023 10:20	1.7	82	28	2.6	0
24/04/2023 10:30	1.9	67	27	3	0
24/04/2023 10:40	2.1	56	24	3.5	0
24/04/2023 10:50	2.2	63	20	3.4	0
24/04/2023 11:00	2.7	53	21	4.1	0
24/04/2023 11:10	3	52	23	4.6	0
24/04/2023 11:20	2.9	53	21	4.8	0
24/04/2023 11:30	3.1	52	24	5	0
24/04/2023 11:40	3.3	52	21	5.2	0
24/04/2023 11:50	2.6	55	27	4.3	0
24/04/2023 12:00	2.8	63	24	4.7	0
24/04/2023 12:10	2.8	60	23	4.4	0
24/04/2023 12:20	3.1	53	21	4.6	0
24/04/2023 12:30	2.8	54	23	4.5	0
24/04/2023 12:40	2.6	60	22	4.4	0
24/04/2023 12:50	2.8	60	22	4.6	0
24/04/2023 13:00	2.6	69	25	3.9	0
24/04/2023 13:10	2.9	55	22	4.4	0
24/04/2023 13:20	2.7	54	25	4.4	0
24/04/2023 13:30	2.6	57	25	4.6	0
24/04/2023 13:40	2.6	53	23	4.4	0
24/04/2023 13:50	2.5	63	27	3.8	0
24/04/2023 14:00	2.5	58	22	4.1	0
24/04/2023 14:10	2.4	63	22	3.6	0
24/04/2023 14:20	2.2	65	22	3.6	0
24/04/2023 14:30	2.4	59	23	3.8	0
24/04/2023 14:40	2.3	62	24	3.8	0
24/04/2023 14:50	2.5	63	24	4	0
24/04/2023 15:00	2.5	55	24	4	0
24/04/2023 15:10	2.6	52	21	4.1	0
24/04/2023 15:20	2.3	52	24	3.3	0
24/04/2023 15:30	2.2	60	24	3.4	0
24/04/2023 15:40	2.1	73	22	3.2	0
24/04/2023 15:50	2.1	71	21	3.2	0
24/04/2023 16:00	2.2	63	19	3.6	0
24/04/2023 16:10	1.9	66	24	2.8	0
24/04/2023 16:20	1.8	64	22	3	0
24/04/2023 16:30	1.8	72	26	3.3	0
24/04/2023 16:40	1.7	62	20	2.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/04/2023 16:50	1.3	39	36	2.2	0
24/04/2023 17:00	1.3	24	35	2.3	0
24/04/2023 17:10	1.1	67	30	2	0
24/04/2023 17:20	1.4	39	39	2.4	0
24/04/2023 17:30	1.3	19	35	2.4	0
24/04/2023 17:40	1.4	22	38	2.4	0
24/04/2023 17:50	1.4	40	27	2	0
24/04/2023 18:00	1.6	24	31	2.7	0
24/04/2023 18:10	1.9	20	23	3.2	0
24/04/2023 18:20	1.9	29	21	3.1	0
24/04/2023 18:30	1.7	35	22	2.6	0
24/04/2023 18:40	1.8	22	27	2.9	0
24/04/2023 18:50	2	195	28	3.2	0
24/04/2023 19:00	2.1	183	29	3.2	0
24/04/2023 19:10	1.8	14	32	3.5	0
24/04/2023 19:20	1.5	13	34	2.7	0
24/04/2023 19:30	2.3	11	24	3.6	0
24/04/2023 19:40	1.9	355	26	3.6	0
24/04/2023 19:50	2.4	352	22	3.8	0
24/04/2023 20:00	1.8	3	32	3.1	0
24/04/2023 20:10	1.9	354	29	3.7	0
24/04/2023 20:20	2.1	339	22	3.3	0
24/04/2023 20:30	2.3	322	16	3.2	0
24/04/2023 20:40	1.7	340	22	2.7	0
24/04/2023 20:50	1.6	355	26	2.7	0
24/04/2023 21:00	1.7	346	28	2.8	0
24/04/2023 21:10	1.2	323	40	2.2	0
24/04/2023 21:20	0.6	203	34	1	0
24/04/2023 21:30	0.3	162	21	0.8	0
24/04/2023 21:40	0.5	191	11	1.1	0
24/04/2023 21:50	0.8	283	26	1.4	0
24/04/2023 22:00	1.1	277	20	1.6	0
24/04/2023 22:10	1.4	287	20	2	0
24/04/2023 22:20	1.1	258	17	1.8	0
24/04/2023 22:30	0.7	160	37	1.4	0
24/04/2023 22:40	0.5	147	44	1.6	0
24/04/2023 22:50	0.5	247	25	1.1	0
24/04/2023 23:00	1	241	32	2	0
24/04/2023 23:10	0.7	248	20	1.1	0
24/04/2023 23:20	0.7	241	17	1.2	0
24/04/2023 23:30	0.3	230	16	0.9	0
24/04/2023 23:40	1	251	10	1.4	0
24/04/2023 23:50	0.9	254	12	1.2	0
25/04/2023 00:00	1.2	251	9	1.6	0
25/04/2023 00:10	1.5	263	18	2.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/04/2023 00:20	1	260	17	1.9	0
25/04/2023 00:30	1.6	273	16	2.4	0
25/04/2023 00:40	1.2	278	18	1.7	0
25/04/2023 00:50	1.2	241	23	2	0
25/04/2023 01:00	1.4	232	19	2.5	0
25/04/2023 01:10	2.4	235	15	3.6	0
25/04/2023 01:20	1.9	235	21	2.8	0
25/04/2023 01:30	1.9	232	15	2.7	0
25/04/2023 01:40	1.7	234	15	2.5	0
25/04/2023 01:50	1.7	232	19	2.5	0
25/04/2023 02:00	2	237	16	3.3	0
25/04/2023 02:10	1.8	236	17	2.8	0
25/04/2023 02:20	1.7	232	17	2.5	0
25/04/2023 02:30	1.5	226	20	2.3	0
25/04/2023 02:40	1.1	244	18	1.6	0
25/04/2023 02:50	1.2	270	15	2	0
25/04/2023 03:00	1.4	271	17	1.8	0
25/04/2023 03:10	1.4	264	17	2	0
25/04/2023 03:20	1.3	262	21	2.1	0
25/04/2023 03:30	0.9	243	26	1.7	0
25/04/2023 03:40	1.4	245	19	2	0
25/04/2023 03:50	1.7	259	18	2.5	0
25/04/2023 04:00	1.8	257	15	2.7	0
25/04/2023 04:10	1.9	248	18	2.8	0
25/04/2023 04:20	1.7	263	14	2.2	0
25/04/2023 04:30	2.3	266	14	2.8	0
25/04/2023 04:40	1.8	267	14	2.7	0
25/04/2023 04:50	1.4	272	15	2	0
25/04/2023 05:00	1.2	286	19	1.8	0
25/04/2023 05:10	0.5	281	15	1.1	0
25/04/2023 05:20	0.7	281	16	1.2	0
25/04/2023 05:30	1.4	264	12	1.9	0
25/04/2023 05:40	1.3	259	15	2	0
25/04/2023 05:50	1.3	265	13	1.8	0
25/04/2023 06:00	1.3	264	15	1.8	0
25/04/2023 06:10	1.3	258	16	2.2	0
25/04/2023 06:20	1.4	259	16	2.2	0
25/04/2023 06:30	1.6	262	13	2.1	0
25/04/2023 06:40	1.5	258	17	2.2	0
25/04/2023 06:50	1.6	246	16	2.3	0
25/04/2023 07:00	1.7	246	15	2.6	0
25/04/2023 07:10	1.3	255	17	2.1	0
25/04/2023 07:20	1.2	256	21	1.7	0
25/04/2023 07:30	1	274	19	1.6	0
25/04/2023 07:40	1.4	273	17	2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/04/2023 07:50	1.5	246	19	2	0
25/04/2023 08:00	1.5	247	23	2.3	0
25/04/2023 08:10	1.9	249	24	2.8	0
25/04/2023 08:20	1.8	247	22	2.6	0
25/04/2023 08:30	2.1	246	20	2.8	0
25/04/2023 08:40	2.1	245	23	3.2	0
25/04/2023 08:50	2.1	256	24	3.4	0
25/04/2023 09:00	2.9	236	16	4.1	0
25/04/2023 09:10	2.9	250	19	4	0
25/04/2023 09:20	3.1	250	20	4.4	0
25/04/2023 09:30	3	248	19	4.6	0
25/04/2023 09:40	2.5	252	22	3.6	0
25/04/2023 09:50	2.6	250	19	3.9	0
25/04/2023 10:00	3.1	253	18	4.4	0
25/04/2023 10:10	2.7	256	22	3.9	0
25/04/2023 10:20	3	254	16	4.1	0
25/04/2023 10:30	2.8	260	19	4	0
25/04/2023 10:40	2.8	247	19	4.1	0
25/04/2023 10:50	3.1	245	20	4.4	0
25/04/2023 11:00	2.7	242	19	3.7	0
25/04/2023 11:10	2.7	242	18	3.8	0
25/04/2023 11:20	2.4	254	23	3.7	0
25/04/2023 11:30	2.3	260	27	3.6	0
25/04/2023 11:40	2.1	291	29	3.6	0
25/04/2023 11:50	1.7	316	44	3	0
25/04/2023 12:00	2.1	282	37	3.7	0
25/04/2023 12:10	2.1	307	44	3.5	0
25/04/2023 12:20	2.1	265	36	3.6	0
25/04/2023 12:30	2.4	258	26	3.8	0
25/04/2023 12:40	2	290	40	4	0
25/04/2023 12:50	2	290	44	3.5	0
25/04/2023 13:00	2.3	302	37	3.8	0
25/04/2023 13:10	2	292	61	3.4	0
25/04/2023 13:20	2	293	43	3.7	0
25/04/2023 13:30	2.2	309	42	3.6	0
25/04/2023 13:40	2.2	315	37	3.4	0
25/04/2023 13:50	2.2	260	39	3.4	0
25/04/2023 14:00	2.3	320	32	3.5	0
25/04/2023 14:10	1.8	279	52	3.4	0
25/04/2023 14:20	2	267	45	4.2	0
25/04/2023 14:30	2	284	47	3.6	0
25/04/2023 14:40	2	286	48	4	0
25/04/2023 14:50	2.1	271	37	3.2	0
25/04/2023 15:00	2.1	251	17	3.3	0
25/04/2023 15:10	1.9	254	34	4.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/04/2023 15:20	2	255	24	3.3	0
25/04/2023 15:30	1.8	260	31	2.8	0
25/04/2023 15:40	1.4	293	52	2.5	0
25/04/2023 15:50	1.6	284	42	2.9	0
25/04/2023 16:00	1.4	269	33	2.4	0
25/04/2023 16:10	1.7	257	27	2.8	0
25/04/2023 16:20	2.2	248	16	2.9	0
25/04/2023 16:30	2.6	243	21	3.8	0
25/04/2023 16:40	3.1	244	19	5	0
25/04/2023 16:50	3	252	16	4.4	0
25/04/2023 17:00	2.7	255	16	3.7	0
25/04/2023 17:10	3.1	250	19	4.8	0
25/04/2023 17:20	2.8	252	20	4.1	0
25/04/2023 17:30	3.3	247	19	4.7	0
25/04/2023 17:40	3.4	250	16	4.9	0
25/04/2023 17:50	2.9	253	15	4.1	0
25/04/2023 18:00	3.1	250	14	4.6	0
25/04/2023 18:10	3.1	252	17	4.4	0
25/04/2023 18:20	2.5	253	18	4	0
25/04/2023 18:30	3.4	254	14	4.8	0
25/04/2023 18:40	2.8	260	18	4.2	0
25/04/2023 18:50	3.1	254	17	4.4	0
25/04/2023 19:00	2.9	257	15	4.1	0
25/04/2023 19:10	2.6	261	15	3.9	0
25/04/2023 19:20	3	258	16	4.1	0
25/04/2023 19:30	2.5	260	17	3.6	0
25/04/2023 19:40	3	258	17	4.7	0
25/04/2023 19:50	2.8	259	19	4.4	0
25/04/2023 20:00	2.9	257	17	4.1	0
25/04/2023 20:10	2.5	262	16	4	0
25/04/2023 20:20	2.7	256	14	4	0
25/04/2023 20:30	2.5	256	17	3.4	0
25/04/2023 20:40	2.4	261	16	3.6	0
25/04/2023 20:50	2.4	265	14	3.6	0
25/04/2023 21:00	2.3	263	14	3.4	0
25/04/2023 21:10	2.4	268	15	3.4	0
25/04/2023 21:20	2.6	269	14	3.8	0
25/04/2023 21:30	2.6	259	15	3.8	0
25/04/2023 21:40	2.5	257	20	3.2	0
25/04/2023 21:50	2.3	258	17	3.5	0
25/04/2023 22:00	2.7	257	18	3.8	0
25/04/2023 22:10	2.5	230	21	3.9	0
25/04/2023 22:20	2.9	212	17	4.2	0
25/04/2023 22:30	2.8	197	17	4	0
25/04/2023 22:40	2.6	214	23	4.4	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/04/2023 22:50	2.3	215	17	3.4	0
25/04/2023 23:00	1.9	256	24	3.1	0
25/04/2023 23:10	2.1	268	18	3.1	0
25/04/2023 23:20	1.6	294	25	2.3	0
25/04/2023 23:30	1.7	293	19	2.6	0
25/04/2023 23:40	1.4	235	31	2.5	0
25/04/2023 23:50	1.6	262	28	2.7	0
26/04/2023 00:00	2.3	277	17	3.3	0
26/04/2023 00:10	2	283	22	3	0
26/04/2023 00:20	2.3	272	18	3.5	0
26/04/2023 00:30	2.5	269	17	3.4	0
26/04/2023 00:40	2.4	263	21	3.3	0
26/04/2023 00:50	1.4	214	36	2.6	0
26/04/2023 01:00	1.5	219	32	2.8	0
26/04/2023 01:10	1.8	249	22	3	0
26/04/2023 01:20	2.1	283	24	3.6	0
26/04/2023 01:30	1.7	303	18	2.4	0
26/04/2023 01:40	2	292	21	2.9	0
26/04/2023 01:50	2.2	264	14	3.1	0
26/04/2023 02:00	2.2	270	15	3.1	0
26/04/2023 02:10	1.7	250	20	3.1	0
26/04/2023 02:20	1.8	199	19	2.8	0
26/04/2023 02:30	1.4	180	21	2.3	0
26/04/2023 02:40	1.5	179	23	2.4	0
26/04/2023 02:50	1.3	180	22	2.3	0
26/04/2023 03:00	1.7	176	23	2.8	0
26/04/2023 03:10	1.8	188	23	2.7	0
26/04/2023 03:20	1.1	203	32	2	0
26/04/2023 03:30	0.2	271	45	1	0
26/04/2023 03:40	0.5	162	63	1.4	0
26/04/2023 03:50	0.6	265	52	1.2	0
26/04/2023 04:00	1.4	252	21	2.2	0
26/04/2023 04:10	1.3	246	28	2.1	0
26/04/2023 04:20	1.3	187	32	2.1	0
26/04/2023 04:30	1.6	191	23	3.3	0
26/04/2023 04:40	1.1	175	42	1.7	0
26/04/2023 04:50	1.1	222	38	1.8	0
26/04/2023 05:00	1.2	277	24	2	0
26/04/2023 05:10	1.3	263	31	2	0
26/04/2023 05:20	0.7	210	54	1.2	0
26/04/2023 05:30	0.3	179	19	0.8	0
26/04/2023 05:40	0.6	171	37	1.4	0
26/04/2023 05:50	1.3	221	39	2.5	0
26/04/2023 06:00	1.7	170	31	3.2	0
26/04/2023 06:10	1.6	172	30	2.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/04/2023 06:20	2	176	26	3.1	0
26/04/2023 06:30	2.5	188	17	4.1	0
26/04/2023 06:40	2.3	193	17	3.5	0
26/04/2023 06:50	1.9	184	22	2.9	0
26/04/2023 07:00	1.4	199	21	2.3	0
26/04/2023 07:10	1.4	179	20	1.9	0
26/04/2023 07:20	1.5	183	17	2	0
26/04/2023 07:30	1.8	203	20	2.7	0
26/04/2023 07:40	1.7	193	22	2.4	0
26/04/2023 07:50	1.4	202	22	2.6	0
26/04/2023 08:00	1.1	160	21	1.8	0
26/04/2023 08:10	1.5	172	20	2.2	0
26/04/2023 08:20	1.5	175	19	2.4	0
26/04/2023 08:30	1.9	187	20	2.8	0
26/04/2023 08:40	1.9	186	18	2.8	0
26/04/2023 08:50	1.9	184	23	2.8	0
26/04/2023 09:00	1.8	183	26	2.6	0
26/04/2023 09:10	1.7	185	24	2.8	0
26/04/2023 09:20	1.3	176	32	1.9	0
26/04/2023 09:30	1	156	29	1.9	0
26/04/2023 09:40	1.5	164	34	2.4	0
26/04/2023 09:50	1.8	176	25	2.8	0
26/04/2023 10:00	1.9	157	34	3.2	0
26/04/2023 10:10	1.7	146	35	3.2	0
26/04/2023 10:20	1.5	138	33	2.5	0
26/04/2023 10:30	1.8	119	32	3	0
26/04/2023 10:40	1.7	124	29	2.7	0
26/04/2023 10:50	1.5	127	35	2.6	0
26/04/2023 11:00	1.6	130	39	2.6	0
26/04/2023 11:10	1.5	104	45	3	0
26/04/2023 11:20	1.5	128	47	3.1	0
26/04/2023 11:30	1.4	135	41	2.3	0
26/04/2023 11:40	1.6	169	54	2.9	0
26/04/2023 11:50	1.5	108	41	2.4	0
26/04/2023 12:00	1.5	74	33	3.2	0
26/04/2023 12:10	1.9	66	30	2.9	0
26/04/2023 12:20	2.1	64	29	3.3	0
26/04/2023 12:30	1.7	72	35	3	0
26/04/2023 12:40	1.4	98	42	2.4	0
26/04/2023 12:50	2.1	173	48	3.6	0
26/04/2023 13:00	2	301	53	3.7	0
26/04/2023 13:10	1.9	290	43	3.2	0
26/04/2023 13:20	2	318	34	3.5	0
26/04/2023 13:30	2.1	332	31	3.5	0
26/04/2023 13:40	2.4	329	29	3.9	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/04/2023 13:50	2.2	329	31	4	0
26/04/2023 14:00	2.2	275	43	4	0
26/04/2023 14:10	2.8	261	37	4.6	0
26/04/2023 14:20	2.5	261	28	4.4	0
26/04/2023 14:30	2.6	259	29	4.2	0
26/04/2023 14:40	2.9	253	22	4.8	0
26/04/2023 14:50	2.8	260	27	4.4	0
26/04/2023 15:00	2.3	267	28	3.4	0
26/04/2023 15:10	2.2	263	21	3.6	0
26/04/2023 15:20	2.6	260	22	4	0
26/04/2023 15:30	3.4	248	17	4.8	0
26/04/2023 15:40	3.3	242	19	4.6	0
26/04/2023 15:50	3.4	243	16	4.8	0
26/04/2023 16:00	2.4	264	26	4	0
26/04/2023 16:10	2.3	261	20	3.6	0
26/04/2023 16:20	2.5	257	18	3.6	0
26/04/2023 16:30	3.3	252	14	4.3	0
26/04/2023 16:40	3.4	245	14	4.8	0
26/04/2023 16:50	3.4	245	13	5.2	0
26/04/2023 17:00	3.4	249	16	4.8	0
26/04/2023 17:10	3.1	245	17	4.1	0
26/04/2023 17:20	3.3	248	15	4.7	0
26/04/2023 17:30	2.8	250	15	4	0
26/04/2023 17:40	3.1	249	16	4.5	0
26/04/2023 17:50	3.4	249	13	5.1	0
26/04/2023 18:00	3.3	254	17	4.6	0
26/04/2023 18:10	3.1	250	13	4.4	0
26/04/2023 18:20	2.9	255	14	4.1	0
26/04/2023 18:30	2.4	267	19	3.9	0
26/04/2023 18:40	2.3	258	19	3.2	0
26/04/2023 18:50	2.9	252	14	4.2	0
26/04/2023 19:00	2.6	250	14	3.6	0
26/04/2023 19:10	2.1	250	16	3	0
26/04/2023 19:20	2	254	16	3	0
26/04/2023 19:30	2.6	253	15	3.8	0
26/04/2023 19:40	2.8	255	16	4.2	0
26/04/2023 19:50	2.5	257	18	3.8	0
26/04/2023 20:00	3	257	13	4.1	0
26/04/2023 20:10	2.8	258	14	3.9	0
26/04/2023 20:20	2.9	259	11	4	0
26/04/2023 20:30	2.7	247	15	4.1	0
26/04/2023 20:40	2.6	254	17	4	0
26/04/2023 20:50	2.3	252	18	3.5	0
26/04/2023 21:00	2.2	245	18	3.5	0
26/04/2023 21:10	2.7	242	14	3.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/04/2023 21:20	2.7	249	17	3.8	0
26/04/2023 21:30	2.3	259	18	3.4	0
26/04/2023 21:40	2.8	250	15	3.8	0
26/04/2023 21:50	2.4	251	18	3.6	0
26/04/2023 22:00	2.6	250	17	4	0
26/04/2023 22:10	2.4	250	15	3.6	0
26/04/2023 22:20	2.8	251	16	4.3	0
26/04/2023 22:30	3	258	15	4.3	0
26/04/2023 22:40	2.7	258	16	4	0
26/04/2023 22:50	2.3	254	17	3.2	0
26/04/2023 23:00	2.4	255	14	3.2	0
26/04/2023 23:10	2.8	254	12	3.7	0
26/04/2023 23:20	2.7	256	14	3.7	0
26/04/2023 23:30	2.5	256	16	3.7	0
26/04/2023 23:40	2.7	246	18	4	0
26/04/2023 23:50	2.4	250	18	3.6	0
27/04/2023 00:00	2.8	256	18	3.9	0
27/04/2023 00:10	2.6	258	15	3.7	0
27/04/2023 00:20	2.6	259	12	3.5	0
27/04/2023 00:30	2.5	256	14	3.3	0
27/04/2023 00:40	2.7	260	13	3.6	0
27/04/2023 00:50	2.6	260	11	3.6	0
27/04/2023 01:00	2.5	260	15	3.4	0
27/04/2023 01:10	1.7	256	19	2.4	0
27/04/2023 01:20	1.8	261	14	2.7	0
27/04/2023 01:30	1.9	258	14	2.6	0
27/04/2023 01:40	1.6	256	17	2.1	0
27/04/2023 01:50	1.5	253	18	2.3	0
27/04/2023 02:00	2.2	262	14	3.1	0
27/04/2023 02:10	2.2	265	14	3	0
27/04/2023 02:20	2	258	15	2.8	0
27/04/2023 02:30	1.8	242	14	2.6	0
27/04/2023 02:40	2.1	257	16	3	0
27/04/2023 02:50	1.7	260	15	2.4	0
27/04/2023 03:00	2.2	258	13	3	0
27/04/2023 03:10	2.2	263	14	2.8	0
27/04/2023 03:20	2.5	264	14	3.2	0
27/04/2023 03:30	2.1	262	16	3	0
27/04/2023 03:40	2.1	263	15	2.9	0
27/04/2023 03:50	1.7	257	16	2.7	0
27/04/2023 04:00	1.9	261	15	2.8	0
27/04/2023 04:10	1.9	258	15	2.6	0
27/04/2023 04:20	0.9	249	21	1.6	0
27/04/2023 04:30	0.5	185	19	1.2	0
27/04/2023 04:40	0.8	309	26	1.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/04/2023 04:50	1.4	275	16	2	0
27/04/2023 05:00	0.8	323	19	1.2	0
27/04/2023 05:10	0.5	169	24	1.2	0
27/04/2023 05:20	1.8	268	15	2.4	0
27/04/2023 05:30	1.3	252	22	2	0
27/04/2023 05:40	0.4	241	12	1.4	0
27/04/2023 05:50	1.2	265	14	1.7	0
27/04/2023 06:00	0.2	229	20	0.8	0
27/04/2023 06:10	1	269	18	1.8	0
27/04/2023 06:20	0.1	126	19	0.6	0
27/04/2023 06:30	0	344	0	0.4	0
27/04/2023 06:40	0.5	348	8	0.8	0
27/04/2023 06:50	0.3	352	4	0.6	0
27/04/2023 07:00					0
27/04/2023 07:10	0.6	345	6	1	0
27/04/2023 07:20	0	340	2	0.4	0
27/04/2023 07:30	0.1	89	8	0.6	0
27/04/2023 07:40	0.4	39	20	0.9	0
27/04/2023 07:50	0.9	65	22	1.5	0
27/04/2023 08:00	0.4	67	20	1	0
27/04/2023 08:10	0.4	135	17	0.8	0
27/04/2023 08:20	0.5	129	22	1	0
27/04/2023 08:30	0.7	101	21	1.2	0
27/04/2023 08:40	0.8	80	23	1.4	0
27/04/2023 08:50	1.1	79	22	1.9	0
27/04/2023 09:00	1.1	96	23	1.9	0
27/04/2023 09:10	1.2	112	28	2	0
27/04/2023 09:20	1.3	115	29	2	0
27/04/2023 09:30	1.3	100	25	2.4	0
27/04/2023 09:40	1.4	99	27	2.4	0
27/04/2023 09:50	1.6	105	31	3	0
27/04/2023 10:00	1	114	37	1.7	0
27/04/2023 10:10	1.1	100	29	1.8	0
27/04/2023 10:20	1.5	86	22	2.4	0
27/04/2023 10:30	1.7	96	26	3	0
27/04/2023 10:40	2	78	23	3.4	0
27/04/2023 10:50	1.9	69	26	3.2	0
27/04/2023 11:00	1.9	79	26	3.2	0
27/04/2023 11:10	2	69	24	3.3	0
27/04/2023 11:20	1.9	77	24	3	0
27/04/2023 11:30	2	88	29	3.3	0
27/04/2023 11:40	1.9	74	26	3.5	0
27/04/2023 11:50	2.1	80	29	3.4	0
27/04/2023 12:00	2	80	30	3.4	0
27/04/2023 12:10	2.2	75	23	3.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/04/2023 12:20	2.4	81	24	3.9	0
27/04/2023 12:30	2	76	28	3.6	0
27/04/2023 12:40	2.4	86	30	4	0
27/04/2023 12:50	2.6	91	27	4.4	0
27/04/2023 13:00	2.3	75	28	3.9	0
27/04/2023 13:10	2.4	66	21	3.7	0
27/04/2023 13:20	2.3	58	25	3.7	0
27/04/2023 13:30	2.2	58	25	4.1	0
27/04/2023 13:40	2.3	66	26	3.8	0
27/04/2023 13:50	2.8	56	24	4.4	0
27/04/2023 14:00	2.8	63	22	4.3	0
27/04/2023 14:10	3	55	24	5.4	0
27/04/2023 14:20	3	55	23	4.8	0
27/04/2023 14:30	2.6	53	26	4.5	0
27/04/2023 14:40	2.5	66	26	4.4	0
27/04/2023 14:50	2.3	72	24	3.6	0
27/04/2023 15:00	2.2	62	22	3.3	0
27/04/2023 15:10	2.1	64	24	3.5	0
27/04/2023 15:20	2.6	47	24	4.4	0
27/04/2023 15:30	2.5	55	20	4	0
27/04/2023 15:40	2.4	56	19	3.8	0
27/04/2023 15:50	2.1	61	23	3.2	0
27/04/2023 16:00	2.1	59	22	3.1	0
27/04/2023 16:10	1.8	68	24	2.6	0
27/04/2023 16:20	1.6	64	24	2.8	0
27/04/2023 16:30	1.5	75	21	2.2	0
27/04/2023 16:40	1.3	70	21	2	0
27/04/2023 16:50	1.5	76	19	2.6	0
27/04/2023 17:00	1.3	66	20	2	0
27/04/2023 17:10	1	39	25	1.6	0
27/04/2023 17:20	0.9	25	35	2.1	0
27/04/2023 17:30	1	14	27	2	0
27/04/2023 17:40	1.4	15	24	2.3	0
27/04/2023 17:50	1.1	18	30	2	0
27/04/2023 18:00	1.1	183	26	2	0
27/04/2023 18:10	1.3	345	24	2.2	0
27/04/2023 18:20	1.1	324	25	2	0
27/04/2023 18:30	1.3	320	30	2.1	0
27/04/2023 18:40	1	342	31	1.8	0
27/04/2023 18:50	1.3	325	20	1.8	0
27/04/2023 19:00	0.9	327	29	1.6	0
27/04/2023 19:10	1.1	323	26	1.8	0
27/04/2023 19:20	1.2	326	27	2	0
27/04/2023 19:30	1.3	348	22	2	0
27/04/2023 19:40	1	175	27	2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/04/2023 19:50	1	336	27	1.9	0
27/04/2023 20:00	1.2	318	21	1.8	0
27/04/2023 20:10	0.7	297	37	1.7	0
27/04/2023 20:20	1	268	31	1.7	0
27/04/2023 20:30	0.5	271	31	1.2	0
27/04/2023 20:40	1	331	24	2	0
27/04/2023 20:50	0.5	307	30	1.2	0
27/04/2023 21:00	0.6	279	34	1.2	0
27/04/2023 21:10	0.5	271	40	1.5	0
27/04/2023 21:20	0.8	335	34	1.6	0
27/04/2023 21:30	0.7	176	37	1.5	0
27/04/2023 21:40	0.4	341	42	1.2	0
27/04/2023 21:50	0.1	211	5	0.6	0
27/04/2023 22:00	0.2	210	14	0.8	0
27/04/2023 22:10	1	232	18	1.6	0
27/04/2023 22:20	0.9	251	11	1.5	0
27/04/2023 22:30	0.9	254	10	1.2	0
27/04/2023 22:40	0.8	262	10	1.2	0
27/04/2023 22:50	1	247	7	1.2	0
27/04/2023 23:00	1.1	253	10	1.6	0
27/04/2023 23:10	1.3	239	17	1.8	0
27/04/2023 23:20	1	244	15	1.6	0
27/04/2023 23:30	1.1	250	14	1.6	0
27/04/2023 23:40	1	262	14	1.6	0
27/04/2023 23:50	0.8	268	13	1.4	0
28/04/2023 00:00	1.2	257	14	1.6	0
28/04/2023 00:10	1.5	244	16	2.5	0
28/04/2023 00:20	1.8	238	20	3	0
28/04/2023 00:30	1.4	235	16	1.9	0
28/04/2023 00:40	1.6	242	16	2.4	0
28/04/2023 00:50	1.3	239	16	2	0
28/04/2023 01:00	1.7	247	17	2.4	0
28/04/2023 01:10	1.6	232	16	2.4	0
28/04/2023 01:20	1.6	246	19	2.6	0
28/04/2023 01:30	1.3	254	17	2	0
28/04/2023 01:40	1.4	254	14	2	0
28/04/2023 01:50	1.4	245	19	2	0
28/04/2023 02:00	1.5	236	19	2.5	0
28/04/2023 02:10	2	256	17	2.8	0
28/04/2023 02:20	1.8	253	18	3.1	0
28/04/2023 02:30	2	259	17	3.1	0
28/04/2023 02:40	1.6	266	16	2.3	0
28/04/2023 02:50	1.7	252	17	2.6	0
28/04/2023 03:00	1.6	255	15	2.4	0
28/04/2023 03:10	1.2	225	27	2.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/04/2023 03:20	0.6	240	24	1.2	0
28/04/2023 03:30	1.2	257	22	1.9	0
28/04/2023 03:40	0.8	239	19	1.3	0
28/04/2023 03:50	0.7	194	28	1.8	0
28/04/2023 04:00	0.8	188	25	2	0
28/04/2023 04:10	0.3	203	28	1	0
28/04/2023 04:20	0.5	212	35	1	0
28/04/2023 04:30	0.3	35	34	1.1	0
28/04/2023 04:40	0.2	87	10	0.8	0
28/04/2023 04:50	0	347	0	0.4	0
28/04/2023 05:00	0	95	0	0.4	0
28/04/2023 05:10	0	77	0	0.4	0
28/04/2023 05:20	0.1	80	6	0.6	0
28/04/2023 05:30	0.3	56	16	0.8	0
28/04/2023 05:40	0.3	15	14	0.7	0
28/04/2023 05:50	0.2	17	9	0.6	0
28/04/2023 06:00	0.1	47	6	0.6	0
28/04/2023 06:10	0.1	50	6	0.5	0
28/04/2023 06:20					0
28/04/2023 06:30	0	49	0	0.4	0
28/04/2023 06:40	0.1	128	22	0.6	0
28/04/2023 06:50					0
28/04/2023 07:00	0	13	0	0.4	0
28/04/2023 07:10	0.1	167	6	0.4	0
28/04/2023 07:20					0
28/04/2023 07:30	0.2	101	8	0.9	0
28/04/2023 07:40	0.3	97	19	1.1	0
28/04/2023 07:50	0.2	100	16	0.9	0
28/04/2023 08:00	0.9	103	29	1.5	0
28/04/2023 08:10	1	104	27	1.6	0
28/04/2023 08:20	1.1	112	32	1.9	0
28/04/2023 08:30	1.3	111	28	2.4	0
28/04/2023 08:40	1.5	107	32	2.6	0
28/04/2023 08:50	1.6	107	31	2.5	0
28/04/2023 09:00	1.5	105	29	2.4	0
28/04/2023 09:10	1.5	94	30	2.4	0
28/04/2023 09:20	1.9	92	24	3	0
28/04/2023 09:30	1.9	100	28	3.6	0
28/04/2023 09:40	1.9	119	31	3	0
28/04/2023 09:50	2	127	29	3.4	0
28/04/2023 10:00	1.8	99	32	2.7	0
28/04/2023 10:10	2.3	106	35	3.9	0
28/04/2023 10:20	2.2	96	30	3.6	0
28/04/2023 10:30	2	107	34	3.6	0
28/04/2023 10:40	1.8	96	27	3.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/04/2023 10:50	2.1	93	26	3.5	0
28/04/2023 11:00	2	96	29	3.3	0
28/04/2023 11:10	1.7	91	29	2.6	0
28/04/2023 11:20	2.1	79	24	3.3	0
28/04/2023 11:30	2.3	68	25	3.9	0
28/04/2023 11:40	2.2	64	22	3.4	0
28/04/2023 11:50	2.4	64	25	3.8	0
28/04/2023 12:00	2.5	79	24	4	0
28/04/2023 12:10	3	89	25	5.2	0
28/04/2023 12:20	2.7	82	28	4.4	0
28/04/2023 12:30	2.7	65	28	4.7	0
28/04/2023 12:40	2.7	76	25	4.6	0
28/04/2023 12:50	2.8	85	29	4.5	0
28/04/2023 13:00	3	61	24	4.6	0
28/04/2023 13:10	2.7	70	24	4.8	0
28/04/2023 13:20	2.5	86	27	4.1	0
28/04/2023 13:30	2.6	88	28	4.3	0
28/04/2023 13:40	2.1	73	26	3.3	0
28/04/2023 13:50	2.3	60	22	3.9	0
28/04/2023 14:00	2.2	63	26	4	0
28/04/2023 14:10	2.3	57	22	4	0
28/04/2023 14:20	2	55	22	3.2	0
28/04/2023 14:30	2.2	53	24	3.6	0
28/04/2023 14:40	1.9	59	27	3.8	0
28/04/2023 14:50	1.9	60	24	2.8	0
28/04/2023 15:00	1.9	54	27	3.2	0
28/04/2023 15:10	1.9	57	21	3	0
28/04/2023 15:20	1.9	54	21	2.8	0
28/04/2023 15:30	1.5	61	23	2.3	0
28/04/2023 15:40	1.4	58	25	2.7	0
28/04/2023 15:50	1.6	55	21	2.6	0
28/04/2023 16:00	1.4	59	21	2.3	0
28/04/2023 16:10	1.4	60	18	2.3	0
28/04/2023 16:20	1.5	57	19	2.7	0
28/04/2023 16:30	1.7	57	25	2.6	0
28/04/2023 16:40	1.7	54	23	2.6	0
28/04/2023 16:50	1.7	55	20	2.4	0
28/04/2023 17:00	1.6	45	21	2.8	0
28/04/2023 17:10	1.8	53	19	2.8	0
28/04/2023 17:20	1.7	48	20	2.5	0
28/04/2023 17:30	1.7	40	19	2.6	0
28/04/2023 17:40	1.5	35	20	2.3	0
28/04/2023 17:50	1.6	24	26	2.5	0
28/04/2023 18:00	1.5	37	19	2.4	0
28/04/2023 18:10	1.2	45	16	1.6	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/04/2023 18:20	1.3	36	18	1.9	0
28/04/2023 18:30	1.4	32	19	2	0
28/04/2023 18:40	1.3	31	21	1.8	0
28/04/2023 18:50	1.2	25	18	1.7	0
28/04/2023 19:00	1.2	12	19	1.6	0
28/04/2023 19:10	1.1	6	21	1.6	0
28/04/2023 19:20	1.3	4	21	2	0
28/04/2023 19:30	0.9	16	18	1.5	0
28/04/2023 19:40	0.5	243	9	0.8	0
28/04/2023 19:50	0.3	231	4	0.7	0
28/04/2023 20:00	0.2	254	5	0.8	0
28/04/2023 20:10	0.5	257	8	0.9	0
28/04/2023 20:20					0
28/04/2023 20:30	0.1	170	4	0.5	0
28/04/2023 20:40	0.3	347	10	0.8	0
28/04/2023 20:50	0.5	351	9	0.8	0
28/04/2023 21:00	0.4	352	7	0.8	0
28/04/2023 21:10					0
28/04/2023 21:20					0
28/04/2023 21:30					0
28/04/2023 21:40	0.2	344	3	0.6	0
28/04/2023 21:50	0.3	339	4	0.7	0
28/04/2023 22:00					0
28/04/2023 22:10	0.1	251	2	0.6	0
28/04/2023 22:20	0.3	238	6	0.9	0
28/04/2023 22:30	1	236	17	1.3	0
28/04/2023 22:40	0.1	250	4	0.6	0
28/04/2023 22:50	0.3	11	19	0.8	0
28/04/2023 23:00	0.2	52	8	0.8	0
28/04/2023 23:10	0.5	19	9	1.1	0
28/04/2023 23:20	0.9	9	24	1.2	0
28/04/2023 23:30	0.6	41	17	0.9	0
28/04/2023 23:40	0.2	234	12	0.6	0
28/04/2023 23:50					0
29/04/2023 00:00	0.1	62	6	0.6	0
29/04/2023 00:10	0	25	0	0.4	0
29/04/2023 00:20	0.1	61	4	0.6	0
29/04/2023 00:30	0	84	4	0.4	0
29/04/2023 00:40					0
29/04/2023 00:50					0
29/04/2023 01:00					0
29/04/2023 01:10					0
29/04/2023 01:20					0
29/04/2023 01:30					0
29/04/2023 01:40					0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/04/2023 01:50					0
29/04/2023 02:00					0
29/04/2023 02:10	0	49	3	0.4	0
29/04/2023 02:20	0.1	43	6	0.8	0
29/04/2023 02:30	0.3	38	13	0.8	0
29/04/2023 02:40	0.1	186	3	0.5	0
29/04/2023 02:50	0.3	27	11	0.6	0
29/04/2023 03:00	0.4	36	14	0.8	0
29/04/2023 03:10	0.6	51	35	1.1	0
29/04/2023 03:20	0.4	201	23	1.2	0
29/04/2023 03:30	0.3	51	15	0.7	0
29/04/2023 03:40	0	128	2	0.5	0
29/04/2023 03:50	0.2	77	8	0.8	0
29/04/2023 04:00	0.2	52	18	0.8	0
29/04/2023 04:10	0.5	78	23	1.1	0
29/04/2023 04:20	0.7	76	30	1.6	0
29/04/2023 04:30	1	94	33	1.8	0
29/04/2023 04:40	1.1	105	35	2.1	0
29/04/2023 04:50	1.1	96	32	2.2	0
29/04/2023 05:00	1.5	94	28	2.7	0
29/04/2023 05:10	1.8	98	32	2.8	0
29/04/2023 05:20	2	97	26	3.4	0
29/04/2023 05:30	1.9	95	32	3.5	0
29/04/2023 05:40	1.8	107	30	3.4	0
29/04/2023 05:50	1.5	104	37	2.8	0
29/04/2023 06:00	1.9	105	30	3.5	0
29/04/2023 06:10	2.3	97	31	4.2	0
29/04/2023 06:20	2.3	112	34	4	0
29/04/2023 06:30	2.4	108	36	4.3	0
29/04/2023 06:40	2.5	100	39	4.7	0
29/04/2023 06:50	2.8	102	33	4.8	0
29/04/2023 07:00	2.6	105	34	4.8	0
29/04/2023 07:10	2.8	107	34	4.9	0
29/04/2023 07:20	2.6	115	36	5.6	0
29/04/2023 07:30	2.6	108	37	4.9	0
29/04/2023 07:40	3	109	34	5.4	0
29/04/2023 07:50	3.1	113	35	5.9	0
29/04/2023 08:00	3.2	107	32	5.2	0
29/04/2023 08:10	3.3	115	33	5.7	0
29/04/2023 08:20	2.8	118	31	4.8	0
29/04/2023 08:30	3.2	108	31	5.6	0
29/04/2023 08:40	3.3	106	33	4.8	0
29/04/2023 08:50	3.3	101	31	5.8	0
29/04/2023 09:00	3.6	113	35	6.3	0
29/04/2023 09:10	3.5	110	35	6.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/04/2023 09:20	3.4	101	27	5.4	0
29/04/2023 09:30	3.8	103	31	5.9	0
29/04/2023 09:40	3.6	103	28	5.7	0
29/04/2023 09:50	3.5	93	31	6	0
29/04/2023 10:00	3.4	94	28	5.6	0
29/04/2023 10:10	3.6	88	29	6.1	0
29/04/2023 10:20	4	84	28	6.2	0
29/04/2023 10:30	3.6	83	24	5.8	0
29/04/2023 10:40	3.7	86	28	7.2	0
29/04/2023 10:50	3.5	90	27	5.9	0
29/04/2023 11:00	3.4	82	26	5.7	0
29/04/2023 11:10	3.7	77	25	6.2	0
29/04/2023 11:20	3.8	86	28	6.6	0
29/04/2023 11:30	3.3	76	29	5.9	0
29/04/2023 11:40	3.6	79	26	6	0
29/04/2023 11:50	4.1	82	24	6.1	0
29/04/2023 12:00	3.8	82	25	5.9	0
29/04/2023 12:10	3.6	80	26	6	0
29/04/2023 12:20	3.5	81	28	6	0
29/04/2023 12:30	3	73	26	5.2	0
29/04/2023 12:40	3.3	54	25	5.5	0
29/04/2023 12:50	3	60	24	4.8	0
29/04/2023 13:00	3.4	53	23	5.9	0
29/04/2023 13:10	3.4	56	25	5.6	0
29/04/2023 13:20	4	54	23	6.4	0
29/04/2023 13:30	3.7	57	25	6.2	0
29/04/2023 13:40	3.5	53	23	5.6	0
29/04/2023 13:50	3.6	59	23	5.6	0
29/04/2023 14:00	3.4	51	21	5.4	0
29/04/2023 14:10	3.4	58	23	5.4	0
29/04/2023 14:20	2.9	56	24	4.5	0
29/04/2023 14:30	3.3	49	23	4.8	0
29/04/2023 14:40	3.1	55	23	4.4	0
29/04/2023 14:50	3.5	51	23	5.2	0
29/04/2023 15:00	3.6	49	20	6.1	0
29/04/2023 15:10	3.7	50	20	5.6	0
29/04/2023 15:20	3.7	48	24	5.3	0
29/04/2023 15:30	3.5	46	20	5.9	0
29/04/2023 15:40	3.4	48	22	5.7	0
29/04/2023 15:50	3.6	48	19	5.9	0
29/04/2023 16:00	3.5	50	19	5.5	0
29/04/2023 16:10	3.4	50	19	5.1	0
29/04/2023 16:20	3.5	50	18	5.6	0
29/04/2023 16:30	3	37	20	4.3	0
29/04/2023 16:40	3.1	38	21	4.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/04/2023 16:50	2.8	40	21	4.8	0
29/04/2023 17:00	2.4	38	21	4	0
29/04/2023 17:10	2.4	35	25	3.9	0
29/04/2023 17:20	2.5	24	24	4.3	0
29/04/2023 17:30	2.1	19	29	3.3	0
29/04/2023 17:40	2.4	22	28	3.8	0
29/04/2023 17:50	3	14	22	4.5	0
29/04/2023 18:00	2.8	17	25	4.6	0
29/04/2023 18:10	3	15	23	4.5	0
29/04/2023 18:20	2.9	13	26	4.7	0
29/04/2023 18:30	2.9	13	22	4.8	0
29/04/2023 18:40	2.7	16	24	4.9	0
29/04/2023 18:50	2.9	18	23	4.4	0
29/04/2023 19:00	2.2	21	29	3.9	0
29/04/2023 19:10	2.2	22	25	3.6	0
29/04/2023 19:20	2.3	25	27	3.4	0
29/04/2023 19:30	2.1	24	27	3.5	0
29/04/2023 19:40	1.9	27	25	3.6	0
29/04/2023 19:50	1.8	34	31	3	0
29/04/2023 20:00	1.7	38	24	2.5	0
29/04/2023 20:10	1.4	37	18	2.4	0
29/04/2023 20:20	1.3	32	19	2.1	0
29/04/2023 20:30	1.2	36	18	1.8	0
29/04/2023 20:40	1.2	33	15	1.9	0
29/04/2023 20:50	1.1	31	15	1.5	0
29/04/2023 21:00	1	31	19	1.5	0
29/04/2023 21:10	1.1	32	15	1.8	0
29/04/2023 21:20	0.8	46	24	1.2	0
29/04/2023 21:30	0.4	55	14	0.9	0
29/04/2023 21:40	0.8	27	13	1.5	0
29/04/2023 21:50	0.8	32	14	1.2	0
29/04/2023 22:00	0.3	68	5	0.8	0
29/04/2023 22:10	0.8	243	5	1.1	0
29/04/2023 22:20	0.8	251	7	1.1	0
29/04/2023 22:30	0.4	349	6	0.9	0
29/04/2023 22:40	0.3	341	6	1.1	0
29/04/2023 22:50	0.2	351	5	0.5	0
29/04/2023 23:00	0.2	348	4	0.7	0
29/04/2023 23:10	0.4	178	17	0.8	0
29/04/2023 23:20	0.2	18	9	0.7	0
29/04/2023 23:30	0.1	16	4	0.6	0
29/04/2023 23:40	0.5	38	20	1.1	0
29/04/2023 23:50	0.5	54	17	1.2	0
30/04/2023 00:00	0.1	80	5	0.8	0
30/04/2023 00:10	0.1	74	6	0.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/04/2023 00:20	0.2	72	12	0.9	0
30/04/2023 00:30	0.6	106	25	1.3	0
30/04/2023 00:40	0.5	109	25	1.5	0
30/04/2023 00:50	0.3	100	24	0.8	0
30/04/2023 01:00	0.6	120	33	1.2	0
30/04/2023 01:10	1.1	129	33	2	0
30/04/2023 01:20	1.2	108	33	2.5	0
30/04/2023 01:30	1.8	97	28	3.2	0
30/04/2023 01:40	1.9	98	34	3.6	0
30/04/2023 01:50	2	98	33	3.7	0
30/04/2023 02:00	1.9	104	35	3.4	0
30/04/2023 02:10	1.6	103	32	3.2	0
30/04/2023 02:20	1.5	100	30	2.4	0
30/04/2023 02:30	1.3	101	34	2.4	0
30/04/2023 02:40	1.7	98	37	3.5	0
30/04/2023 02:50	1.4	97	26	2.3	0
30/04/2023 03:00	1.7	95	26	3	0
30/04/2023 03:10	1.8	92	28	3.2	0
30/04/2023 03:20	1.7	107	27	3.2	0
30/04/2023 03:30	1.6	102	25	2.6	0
30/04/2023 03:40	1.6	99	34	2.7	0
30/04/2023 03:50	1.8	94	30	3.1	0
30/04/2023 04:00	1.9	93	31	3.2	0
30/04/2023 04:10	2.5	92	30	4.1	0
30/04/2023 04:20	2.4	91	27	3.8	0
30/04/2023 04:30	2.5	94	28	4.3	0
30/04/2023 04:40	2.7	90	29	4.4	0
30/04/2023 04:50	2.4	97	34	4.1	0
30/04/2023 05:00	2.5	102	33	4	0
30/04/2023 05:10	2.5	96	37	5	0
30/04/2023 05:20	2.9	101	31	4.8	0
30/04/2023 05:30	2.3	102	31	4	0
30/04/2023 05:40	2.5	107	33	4.2	0
30/04/2023 05:50	2.4	98	32	4.4	0
30/04/2023 06:00	2.9	98	26	4.9	0
30/04/2023 06:10	2.8	101	26	4.7	0
30/04/2023 06:20	3	101	34	5.2	0
30/04/2023 06:30	3.2	99	27	5.4	0
30/04/2023 06:40	2.9	98	36	4.7	0
30/04/2023 06:50	2.8	105	33	4.8	0
30/04/2023 07:00	2.8	106	36	4.8	0
30/04/2023 07:10	2.9	109	32	5	0
30/04/2023 07:20	3.1	110	31	5.4	0
30/04/2023 07:30	3.4	106	32	6.4	0
30/04/2023 07:40	3.2	101	32	5.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/04/2023 07:50	3.3	101	38	5.6	0
30/04/2023 08:00	3.2	97	30	5.3	0
30/04/2023 08:10	3.3	100	27	5.2	0
30/04/2023 08:20	3	107	33	4.8	0
30/04/2023 08:30	3.2	100	28	5	0
30/04/2023 08:40	3.1	102	31	5	0
30/04/2023 08:50	3.5	100	31	6	0
30/04/2023 09:00	3.5	103	31	5.6	0
30/04/2023 09:10	3.4	106	31	5.8	0
30/04/2023 09:20	3.3	95	26	5.2	0
30/04/2023 09:30	3.7	92	29	5.7	0
30/04/2023 09:40	3.8	93	25	6.5	0
30/04/2023 09:50	3.6	89	25	5.8	0
30/04/2023 10:00	3.8	88	23	6	0
30/04/2023 10:10	3.8	87	23	6.7	0
30/04/2023 10:20	3.9	88	28	6.1	0
30/04/2023 10:30	3.6	91	28	5.6	0
30/04/2023 10:40	3.7	95	26	6.8	0
30/04/2023 10:50	3.8	91	26	6	0
30/04/2023 11:00	3.4	93	27	5.6	0
30/04/2023 11:10	3.3	94	31	5	0
30/04/2023 11:20	3.6	91	23	5.7	0
30/04/2023 11:30	3.3	88	29	5.4	0
30/04/2023 11:40	3.3	88	29	5.1	0
30/04/2023 11:50	3.4	78	24	5.4	0
30/04/2023 12:00	3.1	76	27	5.3	0
30/04/2023 12:10	3.1	90	23	5.1	0
30/04/2023 12:20	3	84	28	5.2	0
30/04/2023 12:30	2.9	83	25	4.6	0
30/04/2023 12:40	2.7	78	29	4.6	0
30/04/2023 12:50	3	65	23	4.4	0
30/04/2023 13:00	3.1	66	27	4.7	0
30/04/2023 13:10	3.2	58	21	5.5	0
30/04/2023 13:20	3	65	23	4.5	0
30/04/2023 13:30	3	77	24	5.2	0
30/04/2023 13:40	2.7	80	26	4.7	0
30/04/2023 13:50	2.8	73	24	4.6	0
30/04/2023 14:00	2.8	62	26	4.5	0
30/04/2023 14:10	2.8	66	25	4.5	0
30/04/2023 14:20	2.5	63	22	4.3	0
30/04/2023 14:30	2.5	68	27	4.1	0
30/04/2023 14:40	2.5	57	24	4.1	0
30/04/2023 14:50	2.7	55	24	4.1	0
30/04/2023 15:00	2.6	59	22	4.6	0
30/04/2023 15:10	2.6	55	25	4.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/04/2023 15:20	2.5	49	22	3.8	0
30/04/2023 15:30	2.3	54	25	4.2	0
30/04/2023 15:40	2.5	49	21	3.5	0
30/04/2023 15:50	2.8	45	19	4.1	0
30/04/2023 16:00	2.2	50	21	3.6	0
30/04/2023 16:10	2.1	55	21	3.3	0
30/04/2023 16:20	2.2	51	17	3.2	0
30/04/2023 16:30	1.8	54	19	2.9	0
30/04/2023 16:40	1.9	54	21	2.7	0
30/04/2023 16:50	1.7	54	20	2.9	0
30/04/2023 17:00	1.6	52	22	2.4	0
30/04/2023 17:10	1.9	50	18	3.1	0
30/04/2023 17:20	2	52	19	3.1	0
30/04/2023 17:30	1.9	47	16	3.1	0
30/04/2023 17:40	1.6	37	17	2.3	0
30/04/2023 17:50	1.3	55	33	2.1	0
30/04/2023 18:00	1.8	46	18	2.6	0
30/04/2023 18:10	1.5	43	23	2.7	0
30/04/2023 18:20	1.7	45	22	2.4	0
30/04/2023 18:30	1.5	40	19	2.4	0
30/04/2023 18:40	1.6	48	24	2.5	0
30/04/2023 18:50	1	46	30	1.7	0
30/04/2023 19:00	0.5	75	30	1.4	0
30/04/2023 19:10	0.3	57	7	0.8	0
30/04/2023 19:20	1	52	14	1.5	0
30/04/2023 19:30	1	46	18	1.6	0
30/04/2023 19:40	1.1	38	21	1.6	0
30/04/2023 19:50	0.4	126	22	1.3	0
30/04/2023 20:00	0.4	282	17	0.7	0
30/04/2023 20:10	0.5	27	14	0.8	0
30/04/2023 20:20	0.1	175	6	0.5	0
30/04/2023 20:30					0
30/04/2023 20:40					0
30/04/2023 20:50					0
30/04/2023 21:00	0.9	254	6	1.3	0
30/04/2023 21:10	1	271	9	1.2	0
30/04/2023 21:20	0.2	250	4	0.8	0
30/04/2023 21:30	1.3	250	6	1.7	0
30/04/2023 21:40	1.6	254	15	2.2	0
30/04/2023 21:50	1.8	264	16	2.7	0
30/04/2023 22:00	1.7	255	15	2.2	0
30/04/2023 22:10	1.9	249	18	2.6	0
30/04/2023 22:20	1.6	249	14	2.3	0
30/04/2023 22:30	1.6	245	20	2.4	0
30/04/2023 22:40	1.7	254	15	2.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/04/2023 22:50	1.6	262	13	2.4	0
30/04/2023 23:00	1.7	261	14	2.6	0
30/04/2023 23:10	1.4	258	15	2.1	0
30/04/2023 23:20	1.4	265	14	2	0
30/04/2023 23:30	1.4	262	13	2	0
30/04/2023 23:40	1.3	261	14	1.7	0
30/04/2023 23:50	1.5	262	12	2.1	0
05/01/2023 00:00	1.4	259	13	1.9	0
01/05/2023 00:20	1.202729	257.4286	16.58473	1.63813	0
01/05/2023 00:30	1.4	254	15	2.4	0.00
01/05/2023 00:40	1.3	258	14	1.7	0.00
01/05/2023 00:50	1.2	259	11	1.7	0.00
01/05/2023 01:00	1.3	259	11	1.7	0.00
01/05/2023 01:10	1.3	260	13	1.7	0.00
01/05/2023 01:20	1.3	261	15	1.8	0.00
01/05/2023 01:30	1.1	246	19	1.9	0.00
01/05/2023 01:40	1.0	234	18	1.7	0.00
01/05/2023 01:50	1.1	222	16	1.6	0.00
01/05/2023 02:00	1.0	243	12	1.5	0.00
01/05/2023 02:10	0.9	245	5	1.2	0.00
01/05/2023 02:20	0.1	235	13	0.6	0.00
01/05/2023 02:30	0.0	302	0	0.4	0.00
01/05/2023 02:40	0.1	270	6	0.6	0.00
01/05/2023 02:50					0.00
01/05/2023 03:00	0.1	45	5	0.6	0.00
01/05/2023 03:10					0.00
01/05/2023 03:20					0.00
01/05/2023 03:30	0.0	31	2	0.4	0.00
01/05/2023 03:40					0.00
01/05/2023 03:50	0.0	38	1	0.4	0.00
01/05/2023 04:00	0.1	56	9	0.6	0.00
01/05/2023 04:10	0.0	33	3	0.4	0.00
01/05/2023 04:20					0.00
01/05/2023 04:30	0.0	50	0	0.4	0.00
01/05/2023 04:40	0.2	51	8	0.5	0.00
01/05/2023 04:50	0.6	73	25	1.8	0.00
01/05/2023 05:00	1.2	90	29	2.0	0.00
01/05/2023 05:10	1.4	87	24	2.8	0.00
01/05/2023 05:20	1.1	112	32	1.9	0.00
01/05/2023 05:30	0.9	152	26	1.8	0.00
01/05/2023 05:40	0.7	143	24	1.4	0.00
01/05/2023 05:50	0.7	140	25	1.6	0.00
01/05/2023 06:00	0.8	130	30	2.1	0.00
01/05/2023 06:10	1.1	99	31	2.0	0.00
01/05/2023 06:20	1.4	92	28	3.2	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/05/2023 06:30	1.4	99	29	2.7	0.00
01/05/2023 06:40	1.2	106	35	2.4	0.00
01/05/2023 06:50	1.0	107	35	2.2	0.00
01/05/2023 07:00	1.0	104	40	1.6	0.00
01/05/2023 07:10	1.3	107	30	2.3	0.00
01/05/2023 07:20	1.3	105	29	2.4	0.00
01/05/2023 07:30	1.6	92	29	3.0	0.00
01/05/2023 07:40	1.6	109	30	2.5	0.00
01/05/2023 07:50	1.4	110	34	2.4	0.00
01/05/2023 08:00	1.4	103	28	2.6	0.00
01/05/2023 08:10	1.6	120	33	2.7	0.00
01/05/2023 08:20	1.3	118	33	2.6	0.00
01/05/2023 08:30	1.5	106	28	2.4	0.00
01/05/2023 08:40	1.5	108	34	2.4	0.00
01/05/2023 08:50	1.6	105	30	2.4	0.00
01/05/2023 09:00	1.6	101	28	2.4	0.00
01/05/2023 09:10	1.6	108	31	3.0	0.00
01/05/2023 09:20	1.6	101	24	2.4	0.00
01/05/2023 09:30	1.5	117	37	2.4	0.00
01/05/2023 09:40	1.9	112	28	3.5	0.00
01/05/2023 09:50	1.8	106	29	2.7	0.00
01/05/2023 10:00	2.0	115	33	3.4	0.00
01/05/2023 10:10	2.0	133	29	3.0	0.00
01/05/2023 10:20	1.9	124	25	3.2	0.00
01/05/2023 10:30	1.9	128	30	3.2	0.00
01/05/2023 10:40	1.8	119	32	2.9	0.00
01/05/2023 10:50	2.0	125	29	3.3	0.00
01/05/2023 11:00	1.8	117	37	3.4	0.00
01/05/2023 11:10	2.0	89	31	3.6	0.00
01/05/2023 11:20	2.0	105	37	3.3	0.00
01/05/2023 11:30	1.6	96	37	2.9	0.00
01/05/2023 11:40	1.4	90	33	2.6	0.00
01/05/2023 11:50	1.6	110	32	2.5	0.00
01/05/2023 12:00	1.6	97	29	2.8	0.00
01/05/2023 12:10	1.8	75	26	2.6	0.00
01/05/2023 12:20	1.9	94	29	3.2	0.00
01/05/2023 12:30	1.8	61	23	3.0	0.00
01/05/2023 12:40	1.7	63	25	3.0	0.00
01/05/2023 12:50	2.1	62	27	3.3	0.00
01/05/2023 13:00	2.2	58	26	3.6	0.00
01/05/2023 13:10	2.1	59	23	3.6	0.00
01/05/2023 13:20	2.1	66	26	3.1	0.00
01/05/2023 13:30	1.9	62	24	3.1	0.00
01/05/2023 13:40	2.0	52	33	3.2	0.00
01/05/2023 13:50	2.0	54	31	3.2	0.00





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/05/2023 14:00	1.9	73	34	3.5	0.00
01/05/2023 14:10	1.8	60	28	2.9	0.00
01/05/2023 14:20	1.9	49	26	3.4	0.00
01/05/2023 14:30	1.7	57	26	2.9	0.00
01/05/2023 14:40	1.6	54	27	2.8	0.00
01/05/2023 14:50	1.5	55	27	2.2	0.00
01/05/2023 15:00	1.3	77	30	1.9	0.00
01/05/2023 15:10	1.3	67	25	2.1	0.00
01/05/2023 15:20	1.5	58	26	2.4	0.00
01/05/2023 15:30	1.4	59	30	2.1	0.00
01/05/2023 15:40	0.9	81	46	1.5	0.00
01/05/2023 15:50	1.1	36	34	1.9	0.00
01/05/2023 16:00	0.8	36	27	1.6	0.00
01/05/2023 16:10	0.8	134	50	1.6	0.00
01/05/2023 16:20	0.8	60	36	1.6	0.00
01/05/2023 16:30	0.6	282	50	1.2	0.00
01/05/2023 16:40	0.9	301	44	1.6	0.00
01/05/2023 16:50	1.1	303	32	2.2	0.00
01/05/2023 17:00	1.3	271	33	2.3	0.00
01/05/2023 17:10	1.3	312	33	2.0	0.00
01/05/2023 17:20	1.2	323	27	2.0	0.00
01/05/2023 17:30	1.1	305	36	2.1	0.00
01/05/2023 17:40	1.1	278	45	2.0	0.00
01/05/2023 17:50	1.3	255	13	1.8	0.00
01/05/2023 18:00	1.4	258	22	2.1	0.00
01/05/2023 18:10	1.4	273	34	2.1	0.00
01/05/2023 18:20	1.6	256	25	2.7	0.00
01/05/2023 18:30	2.2	246	15	3.3	0.00
01/05/2023 18:40	2.4	249	16	3.6	0.00
01/05/2023 18:50	2.5	256	19	3.8	0.00
01/05/2023 19:00	2.7	250	16	3.8	0.00
01/05/2023 19:10	2.3	250	16	3.4	0.00
01/05/2023 19:20	2.1	248	15	3.2	0.00
01/05/2023 19:30	2.1	249	13	2.7	0.00
01/05/2023 19:40	2.0	248	14	2.8	0.00
01/05/2023 19:50	1.9	250	14	2.8	0.00
01/05/2023 20:00	2.4	252	15	3.3	0.00
01/05/2023 20:10	2.6	251	14	3.6	0.00
01/05/2023 20:20	2.6	246	14	3.6	0.00
01/05/2023 20:30	2.2	260	18	3.2	0.00
01/05/2023 20:40	2.2	257	15	3.2	0.00
01/05/2023 20:50	2.2	251	17	3.2	0.00
01/05/2023 21:00	2.1	255	13	2.8	0.00
01/05/2023 21:10	2.3	252	15	3.0	0.00
01/05/2023 21:20	2.1	255	16	3.3	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/05/2023 21:30	2.1	262	13	3.0	0.00
01/05/2023 21:40	2.0	258	12	2.8	0.00
01/05/2023 21:50	2.0	256	15	2.7	0.00
01/05/2023 22:00	1.4	251	14	2.3	0.00
01/05/2023 22:10	1.3	244	15	1.9	0.00
01/05/2023 22:20	0.5	228	18	1.2	0.00
01/05/2023 22:30	0.3	70	35	0.8	0.00
01/05/2023 22:40	0.2	233	6	0.8	0.00
01/05/2023 22:50	1.1	258	16	1.6	0.00
01/05/2023 23:00	0.8	268	27	1.5	0.00
01/05/2023 23:10	0.7	251	21	1.2	0.00
01/05/2023 23:20	0.2	301	9	0.8	0.00
01/05/2023 23:30	0.4	184	14	1.0	0.00
01/05/2023 23:40	0.7	183	27	1.5	0.00
01/05/2023 23:50	1.1	344	14	1.5	0.00
02/05/2023 00:00	1.1	345	19	1.8	0.00
02/05/2023 00:10	0.3	326	15	1.2	0.00
02/05/2023 00:20	0.0	207	0	0.4	0.00
02/05/2023 00:30	0.3	322	14	0.8	0.00
02/05/2023 00:40	0.0	116	0	0.4	0.00
02/05/2023 00:50					0.00
02/05/2023 01:00	0.0	29	0	0.4	0.00
02/05/2023 01:10	0.5	352	9	0.8	0.00
02/05/2023 01:20	0.4	334	7	0.8	0.00
02/05/2023 01:30	0.3	302	13	0.8	0.00
02/05/2023 01:40	0.4	323	17	1.2	0.00
02/05/2023 01:50	0.3	345	19	0.8	0.00
02/05/2023 02:00					0.00
02/05/2023 02:10					0.00
02/05/2023 02:20					0.00
02/05/2023 02:30					0.00
02/05/2023 02:40	0.4	23	6	0.9	0.00
02/05/2023 02:50	0.2	18	7	0.7	0.00
02/05/2023 03:00	0.2	185	7	0.7	0.00
02/05/2023 03:10	0.7	337	6	1.0	0.00
02/05/2023 03:20	0.7	345	5	0.9	0.00
02/05/2023 03:30	0.6	344	8	1.1	0.00
02/05/2023 03:40	0.3	345	7	0.8	0.00
02/05/2023 03:50	0.5	345	5	0.8	0.00
02/05/2023 04:00	0.2	331	4	0.6	0.00
02/05/2023 04:10	0.1	196	3	0.6	0.00
02/05/2023 04:20	0.0	211	1	0.4	0.00
02/05/2023 04:30					0.00
02/05/2023 04:40	0.3	351	5	0.7	0.00
02/05/2023 04:50	0.7	349	5	0.9	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/05/2023 05:00	0.7	351	8	1.0	0.00
02/05/2023 05:10	0.6	349	7	0.8	0.00
02/05/2023 05:20	0.1	22	5	0.7	0.00
02/05/2023 05:30	0.5	50	20	0.9	0.00
02/05/2023 05:40	0.4	41	17	0.9	0.00
02/05/2023 05:50	0.5	37	15	1.2	0.00
02/05/2023 06:00	0.4	45	18	0.9	0.00
02/05/2023 06:10	0.2	39	8	0.7	0.00
02/05/2023 06:20	0.5	47	15	1.1	0.00
02/05/2023 06:30	0.6	34	18	1.1	0.00
02/05/2023 06:40	0.4	51	18	1.0	0.00
02/05/2023 06:50	0.4	35	15	1.0	0.00
02/05/2023 07:00	0.4	44	15	0.8	0.00
02/05/2023 07:10	0.1	65	7	0.5	0.00
02/05/2023 07:20	0.1	138	13	0.7	0.00
02/05/2023 07:30	0.1	165	6	0.8	0.00
02/05/2023 07:40	0.8	144	30	1.5	0.00
02/05/2023 07:50	0.9	116	39	2.0	0.00
02/05/2023 08:00	1.0	124	28	1.6	0.00
02/05/2023 08:10	1.0	144	31	1.8	0.00
02/05/2023 08:20	0.7	138	33	1.4	0.00
02/05/2023 08:30	1.3	133	34	2.6	0.00
02/05/2023 08:40	1.6	111	34	3.0	0.00
02/05/2023 08:50	1.9	122	31	3.6	0.00
02/05/2023 09:00	1.7	117	29	2.8	0.00
02/05/2023 09:10	1.8	117	28	3.2	0.00
02/05/2023 09:20	1.7	118	30	2.8	0.00
02/05/2023 09:30	1.5	101	36	2.8	0.00
02/05/2023 09:40	1.6	92	30	2.9	0.00
02/05/2023 09:50	1.6	99	33	2.8	0.00
02/05/2023 10:00	1.6	92	34	2.8	0.00
02/05/2023 10:10	1.6	92	27	2.7	0.00
02/05/2023 10:20	1.7	92	30	2.9	0.00
02/05/2023 10:30	1.9	82	23	3.3	0.00
02/05/2023 10:40	2.1	83	25	3.5	0.00
02/05/2023 10:50	2.0	79	22	3.0	0.00
02/05/2023 11:00	2.1	76	28	3.4	0.00
02/05/2023 11:10	2.3	97	31	3.7	0.00
02/05/2023 11:20	2.6	96	26	4.1	0.00
02/05/2023 11:30	2.2	86	26	4.0	0.00
02/05/2023 11:40	2.5	68	24	3.7	0.00
02/05/2023 11:50	2.7	75	27	4.2	0.00
02/05/2023 12:00	2.7	85	26	5.2	0.00
02/05/2023 12:10	2.9	82	31	4.6	0.00
02/05/2023 12:20	3.2	83	24	4.6	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/05/2023 12:30	3.0	78	28	4.9	0.00
02/05/2023 12:40	2.6	77	28	4.4	0.00
02/05/2023 12:50	2.9	78	29	4.5	0.00
02/05/2023 13:00	2.5	89	31	4.3	0.00
02/05/2023 13:10	2.5	74	27	4.5	0.00
02/05/2023 13:20	2.7	55	26	5.0	0.00
02/05/2023 13:30	2.8	62	26	4.5	0.00
02/05/2023 13:40	2.6	69	26	4.5	0.00
02/05/2023 13:50	2.5	65	24	4.0	0.00
02/05/2023 14:00	2.6	65	25	4.2	0.00
02/05/2023 14:10	2.7	69	26	4.8	0.00
02/05/2023 14:20	2.5	64	26	4.0	0.00
02/05/2023 14:30	2.5	72	27	3.8	0.00
02/05/2023 14:40	2.6	64	24	4.0	0.00
02/05/2023 14:50	2.9	57	23	4.3	0.00
02/05/2023 15:00	2.6	56	25	4.1	0.00
02/05/2023 15:10	2.8	48	25	5.2	0.00
02/05/2023 15:20	2.8	51	25	4.4	0.00
02/05/2023 15:30	2.6	49	21	4.4	0.00
02/05/2023 15:40	3.1	53	20	4.8	0.00
02/05/2023 15:50	2.7	65	20	4.2	0.00
02/05/2023 16:00	3.1	53	22	4.9	0.00
02/05/2023 16:10	3.1	48	19	5.0	0.00
02/05/2023 16:20	3.1	43	23	4.8	0.00
02/05/2023 16:30	2.8	45	21	4.4	0.00
02/05/2023 16:40	2.5	53	21	3.8	0.00
02/05/2023 16:50	2.5	45	20	4.1	0.00
02/05/2023 17:00	2.9	52	20	4.2	0.00
02/05/2023 17:10	2.1	46	20	3.6	0.00
02/05/2023 17:20	2.4	47	18	3.5	0.00
02/05/2023 17:30	2.4	49	18	3.7	0.00
02/05/2023 17:40	2.1	49	17	3.5	0.00
02/05/2023 17:50	2.2	48	19	3.3	0.00
02/05/2023 18:00	2.1	49	17	3.2	0.00
02/05/2023 18:10	1.8	48	19	2.9	0.00
02/05/2023 18:20	1.8	49	19	2.9	0.00
02/05/2023 18:30	1.9	50	18	2.8	0.00
02/05/2023 18:40	1.7	44	21	2.5	0.00
02/05/2023 18:50	1.7	46	20	2.5	0.00
02/05/2023 19:00	1.6	44	18	2.6	0.00
02/05/2023 19:10	1.4	46	22	2.4	0.00
02/05/2023 19:20	1.1	49	18	1.8	0.00
02/05/2023 19:30	1.2	42	19	1.6	0.00
02/05/2023 19:40	1.0	42	17	1.5	0.00
02/05/2023 19:50	1.0	43	19	1.5	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/05/2023 20:00	1.2	44	16	1.8	0.00
02/05/2023 20:10	1.3	37	16	1.9	0.00
02/05/2023 20:20	1.5	33	15	2.3	0.00
02/05/2023 20:30	1.5	30	14	2.0	0.00
02/05/2023 20:40	1.6	31	18	2.2	0.00
02/05/2023 20:50	1.6	28	18	2.4	0.00
02/05/2023 21:00	1.6	31	20	2.2	0.00
02/05/2023 21:10	1.3	25	15	1.9	0.00
02/05/2023 21:20	1.1	28	20	1.6	0.00
02/05/2023 21:30	0.9	28	14	1.3	0.00
02/05/2023 21:40	0.3	122	18	0.8	0.00
02/05/2023 21:50	0.6	238	6	1.0	0.00
02/05/2023 22:00	0.1	25	2	0.6	0.00
02/05/2023 22:10	0.3	53	6	0.6	0.00
02/05/2023 22:20	0.0	16	2	0.4	0.00
02/05/2023 22:30	0.3	19	7	0.6	0.00
02/05/2023 22:40	0.7	21	11	1.0	0.00
02/05/2023 22:50	0.4	11	10	0.8	0.00
02/05/2023 23:00	0.3	21	10	0.7	0.00
02/05/2023 23:10	0.0	21	3	0.4	0.00
02/05/2023 23:20	0.2	26	10	0.6	0.00
02/05/2023 23:30	0.2	15	7	0.6	0.00
02/05/2023 23:40	0.1	63	9	0.6	0.00
02/05/2023 23:50	0.0	6	3	0.4	0.00
03/05/2023 00:00	0.1	18	16	0.7	0.00
03/05/2023 00:10	0.0	38	5	0.5	0.00
03/05/2023 00:20	0.2	31	12	0.7	0.00
03/05/2023 00:30	0.2	22	9	0.7	0.00
03/05/2023 00:40					0.00
03/05/2023 00:50	0.0	29	6	0.4	0.00
03/05/2023 01:00	0.0	53	3	0.4	0.00
03/05/2023 01:10	0.0	60	0	0.4	0.00
03/05/2023 01:20	0.1	51	9	0.7	0.00
03/05/2023 01:30	0.6	47	19	1.2	0.00
03/05/2023 01:40	0.3	57	19	0.8	0.00
03/05/2023 01:50	0.1	35	15	0.5	0.00
03/05/2023 02:00	0.1	116	8	0.6	0.00
03/05/2023 02:10	0.3	193	21	1.0	0.00
03/05/2023 02:20	0.2	155	21	0.7	0.00
03/05/2023 02:30	0.2	211	11	0.8	0.00
03/05/2023 02:40	0.9	249	10	1.2	0.00
03/05/2023 02:50	0.3	269	4	0.8	0.00
03/05/2023 03:00	0.3	40	13	0.9	0.00
03/05/2023 03:10	0.4	41	13	0.8	0.00
03/05/2023 03:20	0.8	43	24	1.2	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/05/2023 03:30	0.9	48	17	1.3	0.00
03/05/2023 03:40	0.8	44	14	1.1	0.00
03/05/2023 03:50	0.3	34	13	0.8	0.00
03/05/2023 04:00	0.5	43	14	0.8	0.00
03/05/2023 04:10	0.4	41	18	0.8	0.00
03/05/2023 04:20	0.3	37	11	0.6	0.00
03/05/2023 04:30	0.3	43	14	0.7	0.00
03/05/2023 04:40	0.5	42	15	0.8	0.00
03/05/2023 04:50	0.3	51	12	0.8	0.00
03/05/2023 05:00	0.1	52	12	0.8	0.00
03/05/2023 05:10	0.0	47	3	0.5	0.00
03/05/2023 05:20	0.1	41	8	0.4	0.00
03/05/2023 05:30	0.2	53	17	0.6	0.00
03/05/2023 05:40	0.1	37	13	0.5	0.00
03/05/2023 05:50	0.0	40	5	0.4	0.00
03/05/2023 06:00	0.2	47	20	0.6	0.00
03/05/2023 06:10	0.2	50	24	0.7	0.00
03/05/2023 06:20	0.1	61	28	0.6	0.00
03/05/2023 06:30	0.2	88	23	0.7	0.00
03/05/2023 06:40	0.3	118	41	0.8	0.00
03/05/2023 06:50	0.4	84	27	0.9	0.00
03/05/2023 07:00	0.5	83	22	1.1	0.00
03/05/2023 07:10	0.7	86	29	1.3	0.00
03/05/2023 07:20	0.9	98	24	1.8	0.00
03/05/2023 07:30	0.9	101	24	1.6	0.00
03/05/2023 07:40	0.9	97	29	1.5	0.00
03/05/2023 07:50	1.3	85	27	2.3	0.00
03/05/2023 08:00	1.6	88	32	2.7	0.00
03/05/2023 08:10	1.7	84	29	3.2	0.00
03/05/2023 08:20	2.2	84	27	3.2	0.00
03/05/2023 08:30	2.7	80	25	4.4	0.00
03/05/2023 08:40	2.5	87	28	4.2	0.00
03/05/2023 08:50	2.6	93	30	4.8	0.00
03/05/2023 09:00	2.7	87	30	4.7	0.00
03/05/2023 09:10	2.6	91	33	3.8	0.00
03/05/2023 09:20	2.6	85	29	3.9	0.00
03/05/2023 09:30	2.4	81	26	3.9	0.00
03/05/2023 09:40	2.3	81	29	4.1	0.00
03/05/2023 09:50	2.6	79	29	4.1	0.00
03/05/2023 10:00	2.8	80	20	4.8	0.00
03/05/2023 10:10	3.0	84	21	4.6	0.00
03/05/2023 10:20	2.6	83	24	4.1	0.00
03/05/2023 10:30	2.6	81	26	4.4	0.00
03/05/2023 10:40	3.1	78	23	4.9	0.00
03/05/2023 10:50	3.1	82	26	4.8	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/05/2023 11:00	3.0	77	25	4.5	0.00
03/05/2023 11:10	3.0	80	28	5.0	0.00
03/05/2023 11:20	3.1	75	24	4.9	0.00
03/05/2023 11:30	3.0	79	26	4.4	0.00
03/05/2023 11:40	3.3	78	25	5.2	0.00
03/05/2023 11:50	3.2	89	28	5.3	0.00
03/05/2023 12:00	3.3	91	28	5.6	0.00
03/05/2023 12:10	3.2	89	26	5.7	0.00
03/05/2023 12:20	3.0	87	22	4.7	0.00
03/05/2023 12:30	2.6	70	25	4.3	0.00
03/05/2023 12:40	3.2	58	24	6.0	0.00
03/05/2023 12:50	3.1	66	25	5.1	0.00
03/05/2023 13:00	3.2	62	25	5.4	0.00
03/05/2023 13:10	3.0	65	20	4.4	0.00
03/05/2023 13:20	2.9	65	23	4.8	0.00
03/05/2023 13:30	2.8	74	21	4.5	0.00
03/05/2023 13:40	2.7	70	28	4.2	0.00
03/05/2023 13:50	2.8	71	26	4.7	0.00
03/05/2023 14:00	2.5	56	23	4.0	0.00
03/05/2023 14:10	2.7	62	27	4.6	0.00
03/05/2023 14:20	2.8	65	25	4.4	0.00
03/05/2023 14:30	2.7	65	22	4.3	0.00
03/05/2023 14:40	2.5	66	24	4.0	0.00
03/05/2023 14:50	2.5	68	23	3.8	0.00
03/05/2023 15:00	2.3	71	22	4.0	0.00
03/05/2023 15:10	2.5	65	25	4.0	0.00
03/05/2023 15:20	2.6	56	28	4.4	0.00
03/05/2023 15:30	2.6	60	23	4.1	0.00
03/05/2023 15:40	2.7	59	23	4.2	0.00
03/05/2023 15:50	3.1	52	23	4.8	0.00
03/05/2023 16:00	3.1	56	21	4.5	0.00
03/05/2023 16:10	2.9	58	24	5.1	0.00
03/05/2023 16:20	2.4	54	24	4.1	0.00
03/05/2023 16:30	2.6	49	19	4.4	0.00
03/05/2023 16:40	2.6	48	20	3.8	0.00
03/05/2023 16:50	2.7	50	18	4.6	0.00
03/05/2023 17:00	2.3	56	18	3.5	0.00
03/05/2023 17:10	1.8	55	18	2.9	0.00
03/05/2023 17:20	2.0	53	15	2.9	0.00
03/05/2023 17:30	1.5	49	15	2.4	0.00
03/05/2023 17:40	1.5	53	14	2.0	0.00
03/05/2023 17:50	1.4	46	17	2.1	0.00
03/05/2023 18:00	1.5	30	20	2.4	0.00
03/05/2023 18:10	1.5	38	20	2.5	0.00
03/05/2023 18:20	1.6	42	21	2.4	0.00



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/05/2023 18:30	1.3	45	18	1.7	0.00
03/05/2023 18:40	1.4	43	18	2.0	0.00
03/05/2023 18:50	1.6	37	19	2.2	0.00
03/05/2023 19:00	1.3	34	18	1.9	0.00
03/05/2023 19:10	1.5	30	18	2.2	0.00
03/05/2023 19:20	1.3	38	23	2.0	0.00
03/05/2023 19:30	1.2	31	18	1.8	0.00
03/05/2023 19:40	0.9	29	15	1.4	0.00
03/05/2023 19:50	1.0	27	16	1.5	0.00
03/05/2023 20:00	0.6	45	13	0.9	0.00
03/05/2023 20:10	0.7	26	13	0.9	0.00
03/05/2023 20:20	0.8	27	17	1.4	0.00
03/05/2023 20:30	0.6	42	15	0.8	0.00
03/05/2023 20:40	0.5	36	9	0.7	0.00
03/05/2023 20:50	0.1	64	3	0.6	0.00
03/05/2023 21:00	0.4	16	11	0.8	0.00
03/05/2023 21:10	0.7	23	12	0.9	0.00
03/05/2023 21:20	0.1	44	17	0.4	0.00
03/05/2023 21:30	0.6	24	15	1.2	0.00
03/05/2023 21:40	0.7	29	17	1.2	0.00
03/05/2023 21:50	0.1	124	4	0.6	0.00
03/05/2023 22:00					0.00
03/05/2023 22:10	0.0	54	2	0.4	0.00
03/05/2023 22:20	0.2	68	3	0.8	0.00
03/05/2023 22:30					0.00
03/05/2023 22:40					0.00
03/05/2023 22:50					0.00
03/05/2023 23:00	0.0	26	0	0.4	0.00
03/05/2023 23:10	0.5	28	10	0.9	0.00
03/05/2023 23:20	0.8	27	12	1.1	0.00
03/05/2023 23:30	0.7	35	14	1.0	0.00
03/05/2023 23:40	0.5	40	14	0.8	0.00
03/05/2023 23:50	0.4	31	14	0.8	0.00
04/05/2023 00:00	0.5	40	15	0.9	0.00
04/05/2023 00:10	0.3	30	13	0.8	0.00
04/05/2023 00:20	0.1	50	7	0.5	0.00
04/05/2023 00:30	0.5	33	15	0.8	0.00
04/05/2023 00:40	0.1	31	5	0.8	0.00
04/05/2023 00:50					0.00
04/05/2023 01:00					0.00
04/05/2023 01:10					0.00
04/05/2023 01:20	0.2	33	13	0.8	0.00
04/05/2023 01:30	0.2	92	5	0.7	0.00
04/05/2023 01:40	0.2	330	9	0.7	0.00
04/05/2023 01:50	0.3	252	16	0.8	0.00





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/05/2023 02:00	0.5	253	8	0.8	0.00
04/05/2023 02:10	0.9	248	13	1.3	0.00
04/05/2023 02:20	0.4	241	30	1.2	0.00
04/05/2023 02:30	0.1	244	7	1.2	0.00
04/05/2023 02:40	1.1	226	24	1.8	0.00
04/05/2023 02:50	1.1	229	17	1.6	0.00
04/05/2023 03:00	1.0	224	15	1.5	0.00
04/05/2023 03:10	0.4	237	11	1.0	0.00
04/05/2023 03:20	1.2	239	12	1.6	0.00
04/05/2023 03:30	1.0	249	15	1.4	0.00
04/05/2023 03:40	1.1	244	20	1.4	0.00
04/05/2023 03:50	0.5	258	45	1.1	0.00
04/05/2023 04:00	0.3	230	19	1.1	0.00
04/05/2023 04:10	0.4	36	18	0.8	0.00
04/05/2023 04:20	0.2	22	14	0.8	0.00
04/05/2023 04:30	0.2	112	28	1.1	0.00
04/05/2023 04:40	0.4	180	8	0.8	0.00
04/05/2023 04:50	0.5	29	17	0.9	0.00
04/05/2023 05:00	0.9	38	19	1.4	0.00
04/05/2023 05:10	0.8	27	19	1.4	0.00
04/05/2023 05:20	0.7	36	23	1.3	0.00
04/05/2023 05:30	0.7	21	19	1.2	0.00
04/05/2023 05:40	0.8	30	28	1.4	0.00
04/05/2023 05:50	0.7	12	21	1.1	0.00
04/05/2023 06:00	0.5	13	18	0.9	0.00
04/05/2023 06:10	0.5	6	16	0.9	0.00
04/05/2023 06:20	0.3	356	9	0.8	0.00
04/05/2023 06:30	0.6	4	18	1.0	0.00
04/05/2023 06:40	0.6	39	24	0.9	0.00
04/05/2023 06:50	0.5	39	26	1.2	0.00
04/05/2023 07:00	0.7	73	24	1.2	0.00
04/05/2023 07:10	1.0	105	30	1.6	0.00
04/05/2023 07:20	1.0	86	24	1.8	0.00
04/05/2023 07:30	1.0	89	22	1.6	0.00
04/05/2023 07:40	1.2	110	25	2.0	0.00
04/05/2023 07:50	1.1	112	28	2.0	0.00
04/05/2023 08:00	1.2	101	31	1.9	0.00
04/05/2023 08:10	1.4	102	29	2.0	0.00
04/05/2023 08:20	1.2	110	29	2.0	0.00
04/05/2023 08:30	1.4	110	28	2.3	0.00
04/05/2023 08:40	1.3	105	26	2.0	0.00
04/05/2023 08:50	1.3	112	28	2.4	0.00
04/05/2023 09:00	1.4	106	28	2.4	0.00
04/05/2023 09:10	1.5	104	31	2.5	0.00
04/05/2023 09:20	1.5	115	30	2.4	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/05/2023 09:30	1.6	113	30	2.6	0.00
04/05/2023 09:40	1.5	124	34	2.5	0.00
04/05/2023 09:50	1.6	126	32	2.7	0.00
04/05/2023 10:00	1.6	139	33	2.8	0.00
04/05/2023 10:10	1.7	116	33	3.0	0.00
04/05/2023 10:20	1.9	106	30	3.2	0.00
04/05/2023 10:30	2.1	94	29	3.8	0.00
04/05/2023 10:40	2.4	90	31	4.1	0.00
04/05/2023 10:50	2.5	95	26	4.4	0.00
04/05/2023 11:00	2.4	95	31	4.3	0.00
04/05/2023 11:10	2.3	94	28	4.0	0.00
04/05/2023 11:20	2.5	97	29	3.9	0.00
04/05/2023 11:30	2.2	92	32	3.5	0.00
04/05/2023 11:40	2.4	104	30	4.3	0.00
04/05/2023 11:50	2.5	84	29	3.8	0.00
04/05/2023 12:00	2.4	72	22	3.6	0.00
04/05/2023 12:10	2.8	77	26	4.8	0.00
04/05/2023 12:20	2.4	65	23	3.9	0.00
04/05/2023 12:30	2.9	61	26	4.6	0.00
04/05/2023 12:40	2.7	59	24	4.7	0.00
04/05/2023 12:50	2.3	59	28	3.5	0.00
04/05/2023 13:00	2.6	51	26	4.4	0.00
04/05/2023 13:10	2.6	64	26	4.8	0.00
04/05/2023 13:20	2.7	64	26	4.4	0.00
04/05/2023 13:30	2.5	76	24	4.4	0.00
04/05/2023 13:40	2.2	60	23	3.6	0.00
04/05/2023 13:50	2.8	53	20	4.7	0.00
04/05/2023 14:00	2.7	60	25	4.3	0.00
04/05/2023 14:10	3.0	53	20	5.7	0.00
04/05/2023 14:20	2.8	48	21	4.4	0.00
04/05/2023 14:30	3.3	49	22	5.0	0.00
04/05/2023 14:40	3.9	52	18	5.6	0.00
04/05/2023 14:50	3.3	49	24	4.8	0.00
04/05/2023 15:00	3.2	55	20	5.5	0.00
04/05/2023 15:10	2.7	58	22	4.9	0.00
04/05/2023 15:20	2.9	58	21	4.4	0.00
04/05/2023 15:30	2.4	47	22	3.6	0.00
04/05/2023 15:40	2.3	41	27	3.5	0.00
04/05/2023 15:50	2.2	38	25	3.9	0.00
04/05/2023 16:00	2.1	35	29	3.2	0.00
04/05/2023 16:10	2.1	21	32	3.5	0.00
04/05/2023 16:20	2.1	20	32	3.6	0.00
04/05/2023 16:30	2.0	14	33	3.2	0.00
04/05/2023 16:40	2.1	9	25	3.5	0.00
04/05/2023 16:50	1.9	26	35	3.2	0.00



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/05/2023 17:00	2.3	21	29	3.4	0.00
04/05/2023 17:10	1.3	29	31	2.1	0.00
04/05/2023 17:20	1.7	19	31	2.9	0.00
04/05/2023 17:30	1.7	15	25	2.8	0.00
04/05/2023 17:40	1.9	15	27	3.0	0.00
04/05/2023 17:50	1.6	21	31	2.8	0.00
04/05/2023 18:00	1.6	26	28	3.3	0.00
04/05/2023 18:10	1.4	31	28	2.5	0.00
04/05/2023 18:20	1.3	28	29	2.4	0.00
04/05/2023 18:30	1.0	31	36	2.0	0.00
04/05/2023 18:40	1.3	24	30	2.6	0.00
04/05/2023 18:50	1.6	180	23	2.8	0.00
04/05/2023 19:00	1.7	345	24	2.6	0.00
04/05/2023 19:10	1.4	355	31	2.4	0.00
04/05/2023 19:20	1.4	14	31	2.4	0.00
04/05/2023 19:30	0.5	59	24	1.3	0.00
04/05/2023 19:40	0.1	172	6	0.6	0.00
04/05/2023 19:50	0.1	61	7	0.6	0.00
04/05/2023 20:00	0.1	39	1	0.8	0.00
04/05/2023 20:10	0.4	272	35	0.7	0.00
04/05/2023 20:20	0.1	249	3	0.8	0.00
04/05/2023 20:30	0.2	251	6	0.8	0.00
04/05/2023 20:40	0.8	268	14	1.5	0.00
04/05/2023 20:50	0.6	291	21	1.0	0.00
04/05/2023 21:00	0.1	295	15	0.7	0.00
04/05/2023 21:10	0.8	254	17	1.2	0.00
04/05/2023 21:20	0.8	253	14	1.2	0.00
04/05/2023 21:30	1.1	256	7	1.5	0.00
04/05/2023 21:40	1.2	250	7	1.5	0.00
04/05/2023 21:50	1.3	242	8	1.5	0.00
04/05/2023 22:00	1.0	258	8	1.3	0.00
04/05/2023 22:10	0.6	250	8	1.0	0.00
04/05/2023 22:20	0.3	255	11	0.7	0.00
04/05/2023 22:30	0.4	232	4	0.8	0.00
04/05/2023 22:40	0.4	176	9	0.9	0.00
04/05/2023 22:50	0.2	259	5	0.7	0.00
04/05/2023 23:00	0.0	248	0	0.4	0.00
04/05/2023 23:10	0.0	54	0	0.4	0.00
04/05/2023 23:20	0.3	302	8	0.9	0.00
04/05/2023 23:30	0.6	288	49	1.0	0.00
04/05/2023 23:40	0.1	70	3	0.5	0.00
04/05/2023 23:50	0.0	71	1	0.4	0.00
05/05/2023 00:00	0.0	320	0	0.4	0.00
05/05/2023 00:10					0.00
05/05/2023 00:20	0.0	49	2	0.4	0.00



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/05/2023 00:30	0.0	39	0	0.4	0.00
05/05/2023 00:40	0.5	37	12	0.8	0.00
05/05/2023 00:50	0.4	39	16	0.8	0.00
05/05/2023 01:00	0.6	41	18	1.0	0.00
05/05/2023 01:10	1.0	45	17	1.6	0.00
05/05/2023 01:20	0.8	39	21	1.4	0.00
05/05/2023 01:30	0.6	44	16	1.1	0.00
05/05/2023 01:40	0.3	30	13	0.8	0.00
05/05/2023 01:50	0.4	68	19	0.8	0.00
05/05/2023 02:00	0.3	26	11	0.9	0.00
05/05/2023 02:10	0.6	40	13	0.8	0.00
05/05/2023 02:20	0.7	45	19	1.2	0.00
05/05/2023 02:30	0.5	47	15	1.1	0.00
05/05/2023 02:40	0.6	31	14	0.9	0.00
05/05/2023 02:50	0.8	33	19	1.3	0.00
05/05/2023 03:00	0.8	32	19	1.1	0.00
05/05/2023 03:10	0.4	31	18	0.9	0.00
05/05/2023 03:20	0.7	32	16	1.2	0.00
05/05/2023 03:30	0.2	194	15	0.8	0.00
05/05/2023 03:40	0.4	321	20	0.9	0.00
05/05/2023 03:50	0.9	179	15	1.5	0.00
05/05/2023 04:00	0.9	349	15	1.4	0.00
05/05/2023 04:10	0.8	14	11	1.2	0.00
05/05/2023 04:20	0.9	35	17	1.4	0.00
05/05/2023 04:30	0.2	18	6	0.7	0.00
05/05/2023 04:40	0.8	12	12	1.0	0.00
05/05/2023 04:50	0.9	13	19	1.3	0.00
05/05/2023 05:00	1.1	27	16	1.4	0.00
05/05/2023 05:10	1.0	38	17	1.6	0.00
05/05/2023 05:20	1.5	46	19	2.4	0.00
05/05/2023 05:30	0.6	72	15	1.2	0.00
05/05/2023 05:40	0.0	49	3	0.6	0.00
05/05/2023 05:50					0.00
05/05/2023 06:00	0.1	21	6	0.6	0.00
05/05/2023 06:10	0.3	34	8	0.8	0.00
05/05/2023 06:20	0.1	52	6	0.5	0.00
05/05/2023 06:30	0.3	95	4	0.8	0.00
05/05/2023 06:40	0.1	197	12	0.7	0.00
05/05/2023 06:50	0.3	204	14	0.8	0.00
05/05/2023 07:00	0.2	38	11	0.7	0.00
05/05/2023 07:10	0.4	38	15	0.9	0.00
05/05/2023 07:20	0.4	92	23	1.5	0.00
05/05/2023 07:30	0.3	225	22	0.9	0.00
05/05/2023 07:40	0.0	124	3	0.6	0.00
05/05/2023 07:50	0.1	70	5	0.7	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/05/2023 08:00	0.5	44	18	1.0	0.00
05/05/2023 08:10	0.8	66	23	1.3	0.00
05/05/2023 08:20	1.0	106	24	1.6	0.00
05/05/2023 08:30	0.7	118	34	1.3	0.00
05/05/2023 08:40	1.1	109	35	1.8	0.00
05/05/2023 08:50	1.4	106	34	2.0	0.00
05/05/2023 09:00	1.2	105	26	2.5	0.00
05/05/2023 09:10	1.3	116	26	2.2	0.00
05/05/2023 09:20	1.4	114	30	2.2	0.00
05/05/2023 09:30	1.3	130	32	2.2	0.00
05/05/2023 09:40	1.4	121	26	2.4	0.00
05/05/2023 09:50	1.7	118	26	2.8	0.00
05/05/2023 10:00	1.8	96	28	3.1	0.00
05/05/2023 10:10	1.8	110	31	2.8	0.00
05/05/2023 10:20	1.4	119	29	2.6	0.00
05/05/2023 10:30	1.3	110	32	2.4	0.00
05/05/2023 10:40	1.8	98	29	2.9	0.00
05/05/2023 10:50	1.6	96	32	3.2	0.00
05/05/2023 11:00	2.2	70	19	3.7	0.00
05/05/2023 11:10	1.9	60	32	3.5	0.00
05/05/2023 11:20	1.6	81	26	2.8	0.00
05/05/2023 11:30	1.4	93	32	2.3	0.00
05/05/2023 11:40	1.1	85	27	1.9	0.00
05/05/2023 11:50	1.0	72	33	1.5	0.00
05/05/2023 12:00	1.3	61	24	2.4	0.00
05/05/2023 12:10	1.2	62	27	2.0	0.00
05/05/2023 12:20	1.6	55	20	2.8	0.00
05/05/2023 12:30	1.6	58	30	2.9	0.00
05/05/2023 12:40	1.2	36	25	2.1	0.00
05/05/2023 12:50	1.1	68	22	1.6	0.00
05/05/2023 13:00	1.2	66	29	1.8	0.00
05/05/2023 13:10	1.7	81	23	2.8	0.00
05/05/2023 13:20	1.9	60	21	3.3	0.00
05/05/2023 13:30	1.6	61	28	2.7	0.00
05/05/2023 13:40	1.4	53	27	2.6	0.00
05/05/2023 13:50	1.4	42	25	2.3	0.00
05/05/2023 14:00	1.8	52	20	2.8	0.00
05/05/2023 14:10	1.5	58	23	2.4	0.00
05/05/2023 14:20	1.4	54	22	2.3	0.00
05/05/2023 14:30	1.7	56	23	2.8	0.00
05/05/2023 14:40	1.6	53	17	2.4	0.00
05/05/2023 14:50	1.4	49	21	2.4	0.00
05/05/2023 15:00	1.6	32	21	2.6	0.00
05/05/2023 15:10	1.9	14	30	3.1	0.00
05/05/2023 15:20	1.9	11	25	3.1	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/05/2023 15:30	1.8	5	24	2.7	0.00
05/05/2023 15:40	2.0	14	28	3.2	0.00
05/05/2023 15:50	1.8	23	24	3.0	0.00
05/05/2023 16:00	1.4	20	31	2.2	0.00
05/05/2023 16:10	1.8	338	23	2.9	0.00
05/05/2023 16:20	1.3	172	28	2.2	0.00
05/05/2023 16:30	1.2	178	24	2.4	0.00
05/05/2023 16:40	1.0	182	29	1.6	0.00
05/05/2023 16:50	1.2	290	20	2.0	0.00
05/05/2023 17:00	1.4	250	16	2.0	0.00
05/05/2023 17:10	0.9	130	28	1.6	0.00
05/05/2023 17:20	0.4	331	28	1.0	0.00
05/05/2023 17:30	1.0	305	37	1.8	0.00
05/05/2023 17:40	1.8	323	19	2.7	0.00
05/05/2023 17:50	2.0	329	19	2.8	0.00
05/05/2023 18:00	2.0	337	21	2.8	0.00
05/05/2023 18:10	1.8	332	25	3.2	0.00
05/05/2023 18:20	2.7	336	26	4.4	0.00
05/05/2023 18:30	2.8	327	27	4.7	0.00
05/05/2023 18:40	2.7	334	30	4.9	0.00
05/05/2023 18:50	2.5	176	31	4.0	0.00
05/05/2023 19:00	2.6	330	26	4.3	0.00
05/05/2023 19:10	2.0	350	37	4.0	0.00
05/05/2023 19:20	2.0	319	34	3.3	0.00
05/05/2023 19:30	1.5	318	48	2.8	0.00
05/05/2023 19:40	1.9	156	39	3.2	0.00
05/05/2023 19:50	1.4	281	43	2.7	0.00
05/05/2023 20:00	1.6	246	32	3.0	0.00
05/05/2023 20:10	1.3	246	18	2.0	0.00
05/05/2023 20:20	1.2	265	23	2.1	0.00
05/05/2023 20:30	1.3	255	18	1.9	0.00
05/05/2023 20:40	1.8	237	14	2.4	0.00
05/05/2023 20:50	1.0	295	26	2.0	0.00
05/05/2023 21:00	0.2	289	14	1.0	0.00
05/05/2023 21:10	1.1	262	22	1.9	0.00
05/05/2023 21:20	0.9	276	31	1.2	0.00
05/05/2023 21:30	1.0	42	13	1.5	0.00
05/05/2023 21:40	0.7	134	34	1.1	0.00
05/05/2023 21:50	0.8	289	19	1.2	0.00
05/05/2023 22:00	0.2	152	43	0.7	0.00
05/05/2023 22:10	0.7	269	8	1.3	0.00
05/05/2023 22:20	1.4	236	15	2.1	0.00
05/05/2023 22:30	1.5	244	16	2.2	0.00
05/05/2023 22:40	1.0	237	25	1.9	0.00
05/05/2023 22:50	0.1	166	14	0.7	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/05/2023 23:00	0.2	237	18	0.8	0.00
05/05/2023 23:10	1.4	215	26	2.4	0.00
05/05/2023 23:20	1.2	224	28	2.1	0.00
05/05/2023 23:30	1.1	242	25	1.6	0.00
05/05/2023 23:40	0.8	227	28	1.9	0.00
05/05/2023 23:50	2.0	268	19	2.8	0.00
06/05/2023 00:00	1.5	233	16	2.3	0.00
06/05/2023 00:10	0.9	266	24	1.3	0.00
06/05/2023 00:20	0.1	34	7	0.6	0.00
06/05/2023 00:30	0.6	11	17	1.0	0.00
06/05/2023 00:40	0.0	87	6	0.4	0.00
06/05/2023 00:50	0.2	214	10	0.8	0.00
06/05/2023 01:00	0.3	58	16	0.8	0.00
06/05/2023 01:10	0.2	130	12	0.8	0.00
06/05/2023 01:20	0.6	203	47	1.9	0.00
06/05/2023 01:30	1.5	187	23	2.8	0.00
06/05/2023 01:40	2.1	208	19	3.4	0.00
06/05/2023 01:50	2.4	228	22	3.9	0.00
06/05/2023 02:00	1.8	250	18	3.1	0.00
06/05/2023 02:10	2.3	248	17	3.2	0.00
06/05/2023 02:20	2.1	240	17	3.1	0.00
06/05/2023 02:30	1.2	224	24	2.0	0.00
06/05/2023 02:40	1.1	203	21	1.6	0.00
06/05/2023 02:50	1.0	232	17	1.6	0.00
06/05/2023 03:00	0.9	239	21	1.6	0.00
06/05/2023 03:10	1.8	196	17	3.2	0.00
06/05/2023 03:20	1.1	240	39	2.2	0.00
06/05/2023 03:30	0.4	206	29	1.2	0.00
06/05/2023 03:40	0.7	217	21	1.2	0.00
06/05/2023 03:50	0.8	182	22	1.5	0.00
06/05/2023 04:00	1.0	169	29	1.7	0.00
06/05/2023 04:10	1.8	177	26	3.2	0.00
06/05/2023 04:20	1.6	168	26	3.1	0.00
06/05/2023 04:30	0.9	185	63	1.6	0.00
06/05/2023 04:40	0.7	56	27	1.5	0.00
06/05/2023 04:50	0.5	164	46	1.0	0.00
06/05/2023 05:00	0.5	140	52	1.1	0.00
06/05/2023 05:10	0.3	340	19	1.4	0.00
06/05/2023 05:20	1.4	281	20	2.3	0.00
06/05/2023 05:30	1.7	271	17	2.6	0.00
06/05/2023 05:40	2.1	274	15	3.0	0.00
06/05/2023 05:50	1.9	272	19	3.2	0.00
06/05/2023 06:00	1.5	229	54	2.5	0.00
06/05/2023 06:10	0.6	147	32	1.2	0.00
06/05/2023 06:20	0.7	164	24	1.4	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/05/2023 06:30	0.7	146	26	2.0	0.00
06/05/2023 06:40	0.2	146	24	0.9	0.00
06/05/2023 06:50	1.3	204	21	2.4	0.00
06/05/2023 07:00	1.9	208	20	2.8	0.00
06/05/2023 07:10	1.4	194	26	2.5	0.00
06/05/2023 07:20	0.9	145	33	1.8	0.00
06/05/2023 07:30	0.1	110	15	0.5	0.00
06/05/2023 07:40	0.2	88	23	0.8	0.00
06/05/2023 07:50	0.6	133	26	1.4	0.00
06/05/2023 08:00	1.4	139	28	2.2	0.00
06/05/2023 08:10	1.4	142	29	2.2	0.00
06/05/2023 08:20	1.3	113	32	3.0	0.00
06/05/2023 08:30	1.3	107	31	2.4	0.00
06/05/2023 08:40	1.3	109	34	2.4	0.00
06/05/2023 08:50	1.6	98	27	2.6	0.00
06/05/2023 09:00	1.7	123	27	2.9	0.00
06/05/2023 09:10	1.7	120	30	3.1	0.00
06/05/2023 09:20	1.9	131	26	3.5	0.00
06/05/2023 09:30	1.9	123	33	2.8	0.00
06/05/2023 09:40	1.9	129	31	3.2	0.00
06/05/2023 09:50	1.8	119	32	3.0	0.00
06/05/2023 10:00	2.1	118	25	3.2	0.00
06/05/2023 10:10	2.3	111	31	4.3	0.00
06/05/2023 10:20	2.3	107	37	3.8	0.00
06/05/2023 10:30	2.7	94	27	4.5	0.00
06/05/2023 10:40	2.5	89	26	4.1	0.00
06/05/2023 10:50	2.7	95	25	4.7	0.00
06/05/2023 11:00	2.4	95	28	4.4	0.00
06/05/2023 11:10	2.4	100	26	4.2	0.00
06/05/2023 11:20	2.6	92	27	4.4	0.00
06/05/2023 11:30	2.7	84	22	4.5	0.00
06/05/2023 11:40	3.1	88	25	5.2	0.00
06/05/2023 11:50	3.3	86	23	5.4	0.00
06/05/2023 12:00	3.3	90	26	4.8	0.00
06/05/2023 12:10	3.2	93	28	5.1	0.00
06/05/2023 12:20	2.9	95	30	5.2	0.00
06/05/2023 12:30	2.8	94	33	4.2	0.00
06/05/2023 12:40	2.5	81	25	4.0	0.00
06/05/2023 12:50	2.6	80	23	4.0	0.00
06/05/2023 13:00	2.6	92	29	4.9	0.00
06/05/2023 13:10	2.5	72	24	4.0	0.00
06/05/2023 13:20	2.6	72	25	4.0	0.00
06/05/2023 13:30	2.6	82	24	4.0	0.00
06/05/2023 13:40	2.4	90	30	4.0	0.00
06/05/2023 13:50	2.6	92	27	4.3	0.00





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/05/2023 14:00	2.3	78	24	4.0	0.00
06/05/2023 14:10	2.5	83	25	4.2	0.00
06/05/2023 14:20	2.6	71	23	4.6	0.00
06/05/2023 14:30	2.6	83	29	4.4	0.00
06/05/2023 14:40	2.0	77	29	3.3	0.00
06/05/2023 14:50	2.8	86	23	4.7	0.00
06/05/2023 15:00	2.3	81	31	4.0	0.00
06/05/2023 15:10	2.3	90	29	4.1	0.00
06/05/2023 15:20	2.4	88	24	4.2	0.00
06/05/2023 15:30	2.4	81	25	4.0	0.00
06/05/2023 15:40	2.4	71	21	4.0	0.00
06/05/2023 15:50	2.7	61	25	4.4	0.00
06/05/2023 16:00	2.3	65	24	3.4	0.00
06/05/2023 16:10	2.3	70	23	3.3	0.00
06/05/2023 16:20	2.5	71	23	4.0	0.00
06/05/2023 16:30	2.2	68	27	3.9	0.00
06/05/2023 16:40	2.4	63	25	4.0	0.00
06/05/2023 16:50	2.1	66	21	3.5	0.00
06/05/2023 17:00	2.0	52	21	3.2	0.00
06/05/2023 17:10	2.2	50	18	3.3	0.00
06/05/2023 17:20	2.1	49	21	3.5	0.00
06/05/2023 17:30	1.8	56	19	2.8	0.00
06/05/2023 17:40	2.0	50	18	3.0	0.00
06/05/2023 17:50	1.7	54	19	3.0	0.00
06/05/2023 18:00	1.5	54	19	2.4	0.00
06/05/2023 18:10	1.6	48	15	2.5	0.00
06/05/2023 18:20	1.2	54	15	1.6	0.00
06/05/2023 18:30	1.1	50	19	1.6	0.00
06/05/2023 18:40	1.2	47	19	1.7	0.00
06/05/2023 18:50	1.4	51	20	2.3	0.00
06/05/2023 19:00	1.1	49	16	1.6	0.00
06/05/2023 19:10	1.3	42	22	2.2	0.00
06/05/2023 19:20	1.1	48	15	1.8	0.00
06/05/2023 19:30	1.1	50	16	1.8	0.00
06/05/2023 19:40	1.0	43	17	1.4	0.00
06/05/2023 19:50	1.1	38	19	1.6	0.00
06/05/2023 20:00	1.0	44	18	1.7	0.00
06/05/2023 20:10	0.6	53	18	1.0	0.00
06/05/2023 20:20	0.1	34	5	0.6	0.00
06/05/2023 20:30	0.1	53	11	0.7	0.00
06/05/2023 20:40	0.1	43	13	0.6	0.00
06/05/2023 20:50	0.6	40	19	1.2	0.00
06/05/2023 21:00	0.6	35	14	0.9	0.00
06/05/2023 21:10	0.5	35	19	0.9	0.00
06/05/2023 21:20	0.6	28	16	1.0	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/05/2023 21:30	0.6	29	18	1.0	0.00
06/05/2023 21:40	0.7	19	15	1.2	0.00
06/05/2023 21:50	0.7	28	15	1.2	0.00
06/05/2023 22:00	0.6	43	13	1.2	0.00
06/05/2023 22:10	0.7	25	13	1.1	0.00
06/05/2023 22:20	0.1	34	5	0.6	0.00
06/05/2023 22:30	0.4	30	12	1.2	0.00
06/05/2023 22:40	0.7	25	15	1.0	0.00
06/05/2023 22:50	0.7	39	17	1.2	0.00
06/05/2023 23:00	0.7	45	19	1.2	0.00
06/05/2023 23:10	0.6	41	12	1.3	0.00
06/05/2023 23:20	0.1	35	7	0.9	0.00
06/05/2023 23:30	0.2	84	14	1.0	0.00
06/05/2023 23:40	0.3	82	18	0.9	0.00
06/05/2023 23:50	0.5	86	18	1.5	0.00
07/05/2023 00:00	0.9	85	21	1.6	0.00
07/05/2023 00:10	1.0	78	19	1.6	0.00
07/05/2023 00:20	1.0	79	18	1.9	0.00
07/05/2023 00:30	0.7	93	30	1.6	0.00
07/05/2023 00:40	0.5	83	22	1.0	0.00
07/05/2023 00:50	0.3	111	12	0.8	0.00
07/05/2023 01:00	0.2	91	18	0.7	0.00
07/05/2023 01:10	0.4	93	18	1.0	0.00
07/05/2023 01:20	0.4	81	16	1.1	0.00
07/05/2023 01:30	0.4	101	26	1.1	0.00
07/05/2023 01:40	0.7	82	25	1.2	0.00
07/05/2023 01:50	0.9	81	20	2.0	0.00
07/05/2023 02:00	0.6	56	29	1.3	0.00
07/05/2023 02:10	1.1	70	36	2.1	0.00
07/05/2023 02:20	1.2	71	26	2.3	0.00
07/05/2023 02:30	1.5	76	24	2.7	0.00
07/05/2023 02:40	1.3	81	24	2.3	0.00
07/05/2023 02:50	1.1	84	31	2.1	0.00
07/05/2023 03:00	1.5	85	25	2.4	0.00
07/05/2023 03:10	1.7	84	22	2.8	0.00
07/05/2023 03:20	1.5	93	31	2.5	0.00
07/05/2023 03:30	1.3	88	39	2.4	0.00
07/05/2023 03:40	1.4	95	33	2.6	0.00
07/05/2023 03:50	1.1	104	37	2.0	0.00
07/05/2023 04:00	0.7	100	43	1.3	0.00
07/05/2023 04:10	1.4	89	23	2.5	0.00
07/05/2023 04:20	1.3	91	37	2.3	0.00
07/05/2023 04:30	1.5	94	28	2.4	0.00
07/05/2023 04:40	1.4	92	28	2.4	0.00
07/05/2023 04:50	1.4	104	30	2.8	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/05/2023 05:00	1.5	94	26	2.8	0.00
07/05/2023 05:10	1.5	99	28	2.4	0.00
07/05/2023 05:20	1.4	88	25	3.0	0.00
07/05/2023 05:30	1.8	88	30	3.7	0.00
07/05/2023 05:40	1.9	94	37	3.2	0.00
07/05/2023 05:50	1.9	97	29	3.3	0.00
07/05/2023 06:00	1.7	100	31	2.8	0.00
07/05/2023 06:10	1.9	96	35	3.2	0.00
07/05/2023 06:20	2.1	100	30	3.6	0.00
07/05/2023 06:30	2.2	96	36	3.8	0.00
07/05/2023 06:40	2.4	92	24	3.8	0.00
07/05/2023 06:50	2.3	96	38	4.0	0.00
07/05/2023 07:00	2.1	88	29	3.4	0.00
07/05/2023 07:10	2.2	102	27	4.0	0.00
07/05/2023 07:20	2.1	101	29	3.6	0.00
07/05/2023 07:30	2.2	106	35	4.0	0.00
07/05/2023 07:40	2.3	99	34	4.1	0.00
07/05/2023 07:50	2.7	101	29	4.5	0.00
07/05/2023 08:00	2.6	103	33	5.0	0.00
07/05/2023 08:10	2.5	97	31	4.2	0.00
07/05/2023 08:20	2.7	95	30	3.9	0.00
07/05/2023 08:30	2.4	92	30	4.2	0.00
07/05/2023 08:40	2.5	101	31	4.8	0.00
07/05/2023 08:50	2.8	98	31	4.4	0.00
07/05/2023 09:00	2.8	88	27	5.1	0.00
07/05/2023 09:10	3.4	86	23	6.4	0.00
07/05/2023 09:20	3.6	83	21	5.6	0.00
07/05/2023 09:30	3.6	91	30	5.9	0.00
07/05/2023 09:40	3.8	85	29	6.0	0.00
07/05/2023 09:50	3.6	88	27	6.1	0.00
07/05/2023 10:00	3.7	84	25	6.2	0.00
07/05/2023 10:10	3.5	86	27	6.1	0.00
07/05/2023 10:20	3.2	88	29	5.3	0.00
07/05/2023 10:30	3.3	92	28	5.6	0.00
07/05/2023 10:40	3.7	95	32	5.7	0.00
07/05/2023 10:50	3.5	92	28	5.8	0.00
07/05/2023 11:00	3.3	92	33	5.6	0.00
07/05/2023 11:10	3.0	87	26	5.1	0.00
07/05/2023 11:20	4.0	94	26	6.0	0.00
07/05/2023 11:30	3.0	94	31	5.8	0.00
07/05/2023 11:40	3.6	77	23	6.2	0.00
07/05/2023 11:50	3.5	81	23	6.0	0.00
07/05/2023 12:00	3.3	80	25	6.0	0.00
07/05/2023 12:10	3.3	76	29	5.4	0.00
07/05/2023 12:20	3.4	74	24	5.6	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/05/2023 12:30	3.4	75	23	5.3	0.00
07/05/2023 12:40	3.4	77	22	5.3	0.00
07/05/2023 12:50	3.4	76	25	5.2	0.00
07/05/2023 13:00	3.4	89	31	5.7	0.00
07/05/2023 13:10	3.5	84	26	5.5	0.00
07/05/2023 13:20	3.4	85	28	5.8	0.00
07/05/2023 13:30	3.3	85	23	5.5	0.00
07/05/2023 13:40	2.9	93	29	4.9	0.00
07/05/2023 13:50	2.8	77	31	4.8	0.00
07/05/2023 14:00	2.8	71	24	4.7	0.00
07/05/2023 14:10	2.6	66	25	3.8	0.00
07/05/2023 14:20	2.4	82	25	4.0	0.00
07/05/2023 14:30	2.5	70	27	4.0	0.00
07/05/2023 14:40	2.6	63	25	5.3	0.00
07/05/2023 14:50	2.6	67	23	4.8	0.00
07/05/2023 15:00	2.8	61	22	4.7	0.00
07/05/2023 15:10	2.7	55	24	4.5	0.00
07/05/2023 15:20	3.0	56	23	5.1	0.00
07/05/2023 15:30	2.9	57	23	5.0	0.00
07/05/2023 15:40	3.1	56	21	4.8	0.00
07/05/2023 15:50	2.8	54	23	4.4	0.00
07/05/2023 16:00	3.0	43	22	4.4	0.00
07/05/2023 16:10	2.9	50	22	4.8	0.00
07/05/2023 16:20	2.7	53	22	4.0	0.00
07/05/2023 16:30	2.6	53	18	4.0	0.00
07/05/2023 16:40	2.6	48	20	4.7	0.00
07/05/2023 16:50	2.7	46	21	4.0	0.00
07/05/2023 17:00	2.5	46	18	3.8	0.00
07/05/2023 17:10	2.4	52	18	4.0	0.00
07/05/2023 17:20	2.4	48	19	3.8	0.00
07/05/2023 17:30	2.4	45	20	4.0	0.00
07/05/2023 17:40	2.2	40	21	3.8	0.00
07/05/2023 17:50	2.0	40	24	2.9	0.00
07/05/2023 18:00	2.2	39	18	3.3	0.00
07/05/2023 18:10	2.1	40	23	3.1	0.00
07/05/2023 18:20	1.6	37	20	2.6	0.00
07/05/2023 18:30	1.7	40	20	2.6	0.00
07/05/2023 18:40	1.7	37	19	2.7	0.00
07/05/2023 18:50	1.8	43	20	2.8	0.00
07/05/2023 19:00	1.6	40	20	2.7	0.00
07/05/2023 19:10	1.7	48	17	2.9	0.00
07/05/2023 19:20	1.6	48	18	2.3	0.00
07/05/2023 19:30	1.5	41	19	2.1	0.00
07/05/2023 19:40	1.3	45	15	1.8	0.00
07/05/2023 19:50	1.3	36	18	1.8	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/05/2023 20:00	1.4	37	17	2.0	0.00
07/05/2023 20:10	1.3	37	18	1.8	0.00
07/05/2023 20:20	1.5	32	19	2.2	0.00
07/05/2023 20:30	1.4	28	15	2.0	0.00
07/05/2023 20:40	1.5	30	17	2.2	0.00
07/05/2023 20:50	1.4	30	17	2.1	0.00
07/05/2023 21:00	1.0	33	18	1.6	0.00
07/05/2023 21:10	0.7	131	38	1.1	0.00
07/05/2023 21:20	0.5	229	9	0.8	0.00
07/05/2023 21:30	0.3	28	10	0.9	0.00
07/05/2023 21:40	0.2	36	4	0.9	0.00
07/05/2023 21:50	0.3	26	11	0.8	0.00
07/05/2023 22:00	0.4	32	16	0.9	0.00
07/05/2023 22:10	0.4	32	15	0.8	0.00
07/05/2023 22:20	0.2	63	13	0.7	0.00
07/05/2023 22:30	0.1	103	11	0.7	0.00
07/05/2023 22:40	0.8	50	25	1.3	0.00
07/05/2023 22:50	0.8	42	24	1.5	0.00
07/05/2023 23:00	0.8	31	19	1.2	0.00
07/05/2023 23:10	0.9	27	18	1.5	0.00
07/05/2023 23:20	1.0	26	19	1.7	0.00
07/05/2023 23:30	0.5	38	16	1.1	0.00
07/05/2023 23:40	0.4	39	18	0.9	0.00
07/05/2023 23:50	0.2	98	19	0.9	0.00
08/05/2023 00:00	0.0	36	9	0.4	0.00
08/05/2023 00:10	0.1	86	9	0.8	0.00
08/05/2023 00:20	0.1	49	4	0.8	0.00
08/05/2023 00:30					0.00
08/05/2023 00:40					0.00
08/05/2023 00:50					0.00
08/05/2023 01:00	0.2	74	9	0.8	0.00
08/05/2023 01:10	0.5	84	15	1.0	0.00
08/05/2023 01:20	0.0	90	6	0.5	0.00
08/05/2023 01:30	0.1	104	8	0.5	0.00
08/05/2023 01:40	0.2	70	10	0.8	0.00
08/05/2023 01:50	0.1	89	11	0.7	0.00
08/05/2023 02:00	0.2	81	11	0.9	0.00
08/05/2023 02:10	0.3	70	14	0.8	0.00
08/05/2023 02:20	0.2	77	13	0.8	0.00
08/05/2023 02:30	0.5	91	17	0.9	0.00
08/05/2023 02:40	0.7	93	22	1.2	0.00
08/05/2023 02:50	0.9	96	27	1.4	0.00
08/05/2023 03:00	1.2	86	17	1.7	0.00
08/05/2023 03:10	1.4	97	29	2.2	0.00
08/05/2023 03:20	1.4	95	31	2.5	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/05/2023 03:30	1.4	103	31	2.5	0.00
08/05/2023 03:40	1.4	99	34	2.4	0.00
08/05/2023 03:50	1.6	116	36	2.5	0.00
08/05/2023 04:00	1.5	104	37	2.7	0.00
08/05/2023 04:10	1.5	105	32	2.9	0.00
08/05/2023 04:20	1.7	103	31	3.1	0.00
08/05/2023 04:30	1.9	101	29	4.0	0.00
08/05/2023 04:40	1.5	103	27	2.9	0.00
08/05/2023 04:50	1.4	106	35	2.8	0.00
08/05/2023 05:00	1.6	112	31	2.8	0.00
08/05/2023 05:10	1.6	112	34	2.8	0.00
08/05/2023 05:20	1.7	100	29	3.3	0.00
08/05/2023 05:30	1.5	98	31	2.5	0.00
08/05/2023 05:40	1.8	98	31	2.8	0.00
08/05/2023 05:50	2.3	99	25	3.5	0.00
08/05/2023 06:00	2.1	99	31	3.6	0.00
08/05/2023 06:10	2.1	95	27	3.6	0.00
08/05/2023 06:20	2.3	96	31	3.4	0.00
08/05/2023 06:30	2.3	94	30	4.0	0.00
08/05/2023 06:40	2.2	103	31	4.3	0.00
08/05/2023 06:50	2.3	94	34	3.5	0.00
08/05/2023 07:00	2.4	93	28	4.2	0.00
08/05/2023 07:10	2.4	94	26	4.7	0.00
08/05/2023 07:20	2.2	90	28	3.9	0.00
08/05/2023 07:30	2.3	97	35	3.7	0.00
08/05/2023 07:40	2.3	97	29	3.7	0.00
08/05/2023 07:50	2.3	95	35	4.1	0.00
08/05/2023 08:00	2.3	103	30	4.0	0.00
08/05/2023 08:10	2.5	102	35	4.1	0.00
08/05/2023 08:20	2.7	101	33	4.4	0.00
08/05/2023 08:30	2.4	97	28	4.5	0.00
08/05/2023 08:40	2.6	94	26	4.5	0.00
08/05/2023 08:50	3.0	87	24	4.8	0.00
08/05/2023 09:00	3.8	88	25	5.8	0.00
08/05/2023 09:10	3.8	88	21	6.2	0.00
08/05/2023 09:20	3.8	87	26	6.2	0.00
08/05/2023 09:30	4.1	86	24	7.1	0.00
08/05/2023 09:40	3.9	88	25	6.0	0.00
08/05/2023 09:50	3.9	92	25	6.0	0.00
08/05/2023 10:00	3.8	88	24	5.6	0.00
08/05/2023 10:10	3.8	88	25	6.3	0.00
08/05/2023 10:20	3.6	83	26	6.6	0.00
08/05/2023 10:30	3.6	78	19	6.0	0.00
08/05/2023 10:40	3.9	80	28	6.7	0.00
08/05/2023 10:50	3.9	81	26	6.5	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/05/2023 11:00	4.1	87	22	6.4	0.00
08/05/2023 11:10	3.7	87	25	6.2	0.00
08/05/2023 11:20	3.7	86	27	6.3	0.00
08/05/2023 11:30	4.0	84	26	6.3	0.00
08/05/2023 11:40	3.7	86	24	6.0	0.00
08/05/2023 11:50	3.8	86	20	5.6	0.00
08/05/2023 12:00	3.8	86	24	6.6	0.00
08/05/2023 12:10	3.7	83	22	5.7	0.00
08/05/2023 12:20	3.2	81	25	5.7	0.00
08/05/2023 12:30	3.3	79	29	5.2	0.00
08/05/2023 12:40	3.4	68	27	5.7	0.00
08/05/2023 12:50	3.3	59	24	5.4	0.00
08/05/2023 13:00	3.4	65	24	5.6	0.00
08/05/2023 13:10	3.7	63	25	5.8	0.00
08/05/2023 13:20	3.7	63	22	5.6	0.00
08/05/2023 13:30	3.8	64	27	6.0	0.00
08/05/2023 13:40	3.9	64	23	5.5	0.00
08/05/2023 13:50	3.8	67	25	5.7	0.00
08/05/2023 14:00	4.2	66	20	6.4	0.00
08/05/2023 14:10	3.9	68	23	6.1	0.00
08/05/2023 14:20	4.0	69	23	6.0	0.00
08/05/2023 14:30	3.5	73	24	6.0	0.00
08/05/2023 14:40	3.7	64	24	5.2	0.00
08/05/2023 14:50	3.4	70	22	5.6	0.00
08/05/2023 15:00	3.5	61	25	5.2	0.00
08/05/2023 15:10	3.2	63	24	5.6	0.00
08/05/2023 15:20	3.2	58	25	4.7	0.00
08/05/2023 15:30	3.2	67	21	5.1	0.00
08/05/2023 15:40	3.1	68	22	5.0	0.00
08/05/2023 15:50	2.9	66	25	4.9	0.00
08/05/2023 16:00	2.8	70	24	4.8	0.00
08/05/2023 16:10	2.9	65	23	4.6	0.00
08/05/2023 16:20	2.9	68	24	4.4	0.00
08/05/2023 16:30	2.7	71	24	4.3	0.00
08/05/2023 16:40	2.8	67	26	4.6	0.00
08/05/2023 16:50	2.8	66	23	4.4	0.00
08/05/2023 17:00	2.7	65	25	4.2	0.00
08/05/2023 17:10	2.8	65	23	4.6	0.00
08/05/2023 17:20	2.6	54	21	4.5	0.00
08/05/2023 17:30	2.5	57	21	4.4	0.00
08/05/2023 17:40	2.5	56	22	4.4	0.00
08/05/2023 17:50	2.4	56	23	3.9	0.00
08/05/2023 18:00	2.3	59	22	4.0	0.00
08/05/2023 18:10	2.3	52	20	3.6	0.00
08/05/2023 18:20	2.1	54	21	3.8	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/05/2023 18:30	2.1	51	22	3.6	0.00
08/05/2023 18:40	2.3	50	22	3.6	0.00
08/05/2023 18:50	2.3	54	18	3.4	0.00
08/05/2023 19:00	2.2	48	22	3.8	0.00
08/05/2023 19:10	2.0	52	22	3.3	0.00
08/05/2023 19:20	2.2	49	18	3.4	0.00
08/05/2023 19:30	2.1	52	20	3.3	0.00
08/05/2023 19:40	2.1	47	19	3.9	0.00
08/05/2023 19:50	2.3	47	20	3.9	0.00
08/05/2023 20:00	2.2	48	21	3.2	0.00
08/05/2023 20:10	2.1	46	24	3.1	0.00
08/05/2023 20:20	2.0	44	21	3.5	0.00
08/05/2023 20:30	1.9	42	20	2.8	0.00
08/05/2023 20:40	1.6	34	23	2.6	0.00
08/05/2023 20:50	1.5	41	19	2.4	0.00
08/05/2023 21:00	1.2	40	16	1.7	0.00
08/05/2023 21:10	1.0	30	16	1.6	0.00
08/05/2023 21:20	0.9	43	15	1.2	0.00
08/05/2023 21:30	0.9	31	13	1.3	0.00
08/05/2023 21:40	0.9	34	16	1.3	0.00
08/05/2023 21:50	0.9	37	15	1.4	0.00
08/05/2023 22:00	0.6	37	16	1.2	0.00
08/05/2023 22:10	0.2	36	5	0.6	0.00
08/05/2023 22:20	0.7	36	15	1.1	0.00
08/05/2023 22:30	0.9	22	18	1.5	0.00
08/05/2023 22:40	0.5	26	18	1.3	0.00
08/05/2023 22:50	0.6	23	15	0.9	0.00
08/05/2023 23:00	0.5	22	12	0.9	0.00
08/05/2023 23:10	0.4	28	15	1.1	0.00
08/05/2023 23:20	0.7	24	19	1.1	0.00
08/05/2023 23:30	0.2	52	13	0.8	0.00
08/05/2023 23:40	0.4	36	18	0.8	0.00
08/05/2023 23:50	0.3	49	26	0.9	0.00
09/05/2023 00:00	0.3	35	17	1.0	0.00
09/05/2023 00:10	0.2	25	15	1.0	0.00
09/05/2023 00:20	0.2	8	9	0.8	0.00
09/05/2023 00:30	0.1	19	5	0.8	0.00
09/05/2023 00:40	0.9	11	15	1.2	0.00
09/05/2023 00:50	0.9	13	18	1.2	0.00
09/05/2023 01:00	1.0	19	15	1.4	0.00
09/05/2023 01:10	0.4	19	23	0.8	0.00
09/05/2023 01:20	0.7	18	22	1.1	0.00
09/05/2023 01:30	0.7	356	23	1.7	0.00
09/05/2023 01:40	0.8	27	20	1.3	0.00
09/05/2023 01:50	0.5	66	30	1.2	0.00





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/05/2023 02:00	0.7	104	35	1.4	0.00
09/05/2023 02:10	0.2	106	14	0.8	0.00
09/05/2023 02:20	0.0	113	5	0.5	0.00
09/05/2023 02:30	0.8	95	25	1.6	0.00
09/05/2023 02:40	1.2	93	30	2.0	0.00
09/05/2023 02:50	1.4	94	26	2.6	0.00
09/05/2023 03:00	1.3	81	24	2.4	0.00
09/05/2023 03:10	1.5	72	25	2.8	0.00
09/05/2023 03:20	1.9	76	21	3.1	0.00
09/05/2023 03:30	1.7	84	23	3.1	0.00
09/05/2023 03:40	2.0	81	27	3.4	0.00
09/05/2023 03:50	2.2	81	22	3.5	0.00
09/05/2023 04:00	2.1	79	26	4.2	0.00
09/05/2023 04:10	2.5	82	25	4.5	0.00
09/05/2023 04:20	2.1	82	24	3.1	0.00
09/05/2023 04:30	2.7	81	27	4.8	0.00
09/05/2023 04:40	3.4	82	24	5.6	0.00
09/05/2023 04:50	3.0	81	25	5.9	0.00
09/05/2023 05:00	2.9	83	26	5.5	0.00
09/05/2023 05:10	2.9	83	26	4.9	0.00
09/05/2023 05:20	3.5	89	29	6.0	0.00
09/05/2023 05:30	2.8	80	26	5.0	0.00
09/05/2023 05:40	3.1	82	24	5.6	0.00
09/05/2023 05:50	3.0	80	20	4.8	0.00
09/05/2023 06:00	2.9	82	24	4.5	0.00
09/05/2023 06:10	3.2	84	24	5.5	0.00
09/05/2023 06:20	3.3	78	22	5.2	0.00
09/05/2023 06:30	3.0	84	30	5.0	0.00
09/05/2023 06:40	3.2	82	24	4.9	0.00
09/05/2023 06:50	3.1	81	20	5.0	0.00
09/05/2023 07:00	3.0	83	20	5.2	0.00
09/05/2023 07:10	3.3	79	23	5.6	0.00
09/05/2023 07:20	3.4	83	24	5.1	0.00
09/05/2023 07:30	3.0	86	28	4.6	0.00
09/05/2023 07:40	2.6	91	30	4.9	0.00
09/05/2023 07:50	2.4	90	28	4.2	0.00
09/05/2023 08:00	2.9	90	30	5.5	0.00
09/05/2023 08:10	3.0	88	24	4.8	0.00
09/05/2023 08:20	2.8	89	25	5.1	0.00
09/05/2023 08:30	3.3	88	26	6.0	0.00
09/05/2023 08:40	4.1	83	18	6.8	0.00
09/05/2023 08:50	3.9	88	25	6.0	0.00
09/05/2023 09:00	3.5	91	35	5.9	0.00
09/05/2023 09:10	3.3	86	26	5.3	0.00
09/05/2023 09:20	3.1	95	31	4.8	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/05/2023 09:30	3.1	83	24	4.9	0.00
09/05/2023 09:40	3.4	80	26	5.6	0.00
09/05/2023 09:50	3.9	74	23	6.1	0.00
09/05/2023 10:00	3.2	79	24	5.6	0.00
09/05/2023 10:10	3.8	76	23	6.4	0.00
09/05/2023 10:20	4.0	80	20	7.0	0.00
09/05/2023 10:30	4.1	80	24	6.7	0.00
09/05/2023 10:40	3.9	82	22	6.3	0.00
09/05/2023 10:50	4.0	78	24	6.4	0.00
09/05/2023 11:00	3.5	78	23	5.8	0.00
09/05/2023 11:10	3.3	71	25	5.2	0.00
09/05/2023 11:20	3.5	73	23	5.9	0.00
09/05/2023 11:30	3.2	68	21	5.4	0.00
09/05/2023 11:40	3.5	73	23	5.4	0.00
09/05/2023 11:50	3.3	73	26	4.7	0.00
09/05/2023 12:00	3.0	76	25	5.0	0.00
09/05/2023 12:10	3.4	86	25	5.6	0.00
09/05/2023 12:20	3.4	87	22	5.2	0.00
09/05/2023 12:30	3.2	90	24	5.2	0.00
09/05/2023 12:40	3.4	75	21	5.6	0.00
09/05/2023 12:50	3.5	65	26	5.4	0.00
09/05/2023 13:00	3.6	65	22	5.6	0.00
09/05/2023 13:10	3.7	71	26	6.1	0.00
09/05/2023 13:20	3.3	63	25	5.3	0.00
09/05/2023 13:30	3.1	68	25	4.8	0.00
09/05/2023 13:40	3.7	73	24	6.2	0.00
09/05/2023 13:50	3.3	71	26	5.3	0.00
09/05/2023 14:00	3.2	57	24	4.8	0.00
09/05/2023 14:10	3.2	59	22	5.6	0.00
09/05/2023 14:20	3.5	52	19	5.6	0.00
09/05/2023 14:30	3.0	59	23	4.6	0.00
09/05/2023 14:40	2.9	54	28	4.8	0.00
09/05/2023 14:50	3.0	57	26	5.1	0.00
09/05/2023 15:00	2.9	50	23	4.6	0.00
09/05/2023 15:10	3.2	47	21	5.8	0.00
09/05/2023 15:20	3.1	52	22	5.2	0.00
09/05/2023 15:30	3.0	55	21	4.8	0.00
09/05/2023 15:40	3.1	57	22	5.0	0.00
09/05/2023 15:50	3.3	50	20	4.8	0.00
09/05/2023 16:00	2.6	50	21	4.1	0.00
09/05/2023 16:10	2.6	62	23	4.5	0.00
09/05/2023 16:20	2.9	53	21	4.7	0.00
09/05/2023 16:30	2.9	52	19	5.0	0.00
09/05/2023 16:40	3.0	52	17	4.4	0.00
09/05/2023 16:50	2.4	51	18	3.8	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/05/2023 17:00	1.9	57	18	2.9	0.00
09/05/2023 17:10	1.6	55	19	2.4	0.00
09/05/2023 17:20	1.7	49	23	2.4	0.00
09/05/2023 17:30	1.6	50	17	2.8	0.00
09/05/2023 17:40	1.6	54	14	2.3	0.00
09/05/2023 17:50	1.5	50	15	2.1	0.00
09/05/2023 18:00	1.5	51	18	2.0	0.00
09/05/2023 18:10	1.3	54	15	1.9	0.00
09/05/2023 18:20	1.1	51	17	1.6	0.00
09/05/2023 18:30	1.3	46	17	2.0	0.00
09/05/2023 18:40	1.3	40	20	2.0	0.00
09/05/2023 18:50	0.8	39	21	1.2	0.00
09/05/2023 19:00	0.8	39	16	1.2	0.00
09/05/2023 19:10	1.1	31	18	1.5	0.00
09/05/2023 19:20	1.1	28	13	1.5	0.00
09/05/2023 19:30	1.0	24	15	1.5	0.00
09/05/2023 19:40	1.0	25	17	1.4	0.00
09/05/2023 19:50	0.7	24	15	1.0	0.00
09/05/2023 20:00	0.8	28	12	1.1	0.00
09/05/2023 20:10	0.5	30	13	0.8	0.00
09/05/2023 20:20	0.4	29	6	0.8	0.00
09/05/2023 20:30	0.0	42	2	0.6	0.00
09/05/2023 20:40	0.0	38	0	0.4	0.00
09/05/2023 20:50	0.4	24	9	0.9	0.00
09/05/2023 21:00	0.9	17	14	1.2	0.00
09/05/2023 21:10	0.7	11	17	1.2	0.00
09/05/2023 21:20	1.0	15	16	1.3	0.00
09/05/2023 21:30	1.0	23	12	1.3	0.00
09/05/2023 21:40	0.6	18	10	0.9	0.00
09/05/2023 21:50	0.1	206	11	0.6	0.00
09/05/2023 22:00					0.00
09/05/2023 22:10					0.00
09/05/2023 22:20					0.00
09/05/2023 22:30	0.4	34	4	0.8	0.00
09/05/2023 22:40	0.5	11	17	0.8	0.00
09/05/2023 22:50	0.5	12	15	1.0	0.00
09/05/2023 23:00	0.5	36	11	0.8	0.00
09/05/2023 23:10	0.2	17	5	0.5	0.00
09/05/2023 23:20	0.1	17	4	0.4	0.00
09/05/2023 23:30	0.0	39	0	0.4	0.00
09/05/2023 23:40					0.00
09/05/2023 23:50	0.4	25	11	0.8	0.00
10/05/2023 00:00	0.3	37	12	0.7	0.00
10/05/2023 00:10	0.2	24	10	0.8	0.00
10/05/2023 00:20	0.1	41	9	0.9	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/05/2023 00:30	0.3	47	11	1.0	0.00
10/05/2023 00:40	0.4	32	16	0.8	0.00
10/05/2023 00:50	0.2	190	17	0.8	0.00
10/05/2023 01:00	0.5	194	25	0.9	0.00
10/05/2023 01:10	0.5	69	27	1.2	0.00
10/05/2023 01:20	0.7	102	31	1.4	0.00
10/05/2023 01:30	0.5	136	29	1.0	0.00
10/05/2023 01:40	0.8	93	28	1.6	0.00
10/05/2023 01:50	1.0	99	30	1.9	0.00
10/05/2023 02:00	0.7	101	26	2.0	0.00
10/05/2023 02:10	1.0	95	31	1.7	0.00
10/05/2023 02:20	1.2	93	24	2.0	0.00
10/05/2023 02:30	1.2	90	32	2.5	0.00
10/05/2023 02:40	1.3	97	27	2.2	0.00
10/05/2023 02:50	1.4	89	26	2.2	0.00
10/05/2023 03:00	1.1	90	32	2.0	0.00
10/05/2023 03:10	1.9	84	25	3.2	0.00
10/05/2023 03:20	1.5	88	37	2.8	0.00
10/05/2023 03:30	2.1	87	25	3.6	0.00
10/05/2023 03:40	2.4	91	22	4.4	0.00
10/05/2023 03:50	2.6	89	23	4.1	0.00
10/05/2023 04:00	1.7	117	32	3.3	0.00
10/05/2023 04:10	1.7	101	31	3.2	0.00
10/05/2023 04:20	1.8	84	35	3.7	0.00
10/05/2023 04:30	2.7	85	20	4.4	0.00
10/05/2023 04:40	2.4	81	31	4.0	0.00
10/05/2023 04:50	2.0	103	30	3.6	0.00
10/05/2023 05:00	2.3	91	27	3.7	0.00
10/05/2023 05:10	2.4	94	31	4.1	0.00
10/05/2023 05:20	2.3	98	29	4.1	0.00
10/05/2023 05:30	1.9	94	34	3.5	0.00
10/05/2023 05:40	2.1	98	33	3.6	0.00
10/05/2023 05:50	2.0	111	38	3.9	0.00
10/05/2023 06:00	2.0	114	35	3.5	0.00
10/05/2023 06:10	2.3	114	31	3.9	0.00
10/05/2023 06:20	2.6	113	31	4.3	0.00
10/05/2023 06:30	2.3	109	39	4.3	0.00
10/05/2023 06:40	2.3	104	31	3.7	0.00
10/05/2023 06:50	2.2	104	32	4.3	0.00
10/05/2023 07:00	2.1	98	31	3.7	0.00
10/05/2023 07:10	2.3	100	27	4.3	0.00
10/05/2023 07:20	2.8	94	27	4.5	0.00
10/05/2023 07:30	2.5	93	31	4.3	0.00
10/05/2023 07:40	2.6	96	30	4.7	0.00
10/05/2023 07:50	2.5	97	30	4.8	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/05/2023 08:00	3.0	94	32	4.6	0.00
10/05/2023 08:10	2.9	96	34	4.8	0.00
10/05/2023 08:20	3.4	96	26	5.4	0.00
10/05/2023 08:30	3.0	94	24	5.1	0.00
10/05/2023 08:40	2.8	99	37	5.5	0.00
10/05/2023 08:50	2.8	99	25	5.0	0.00
10/05/2023 09:00	3.3	89	27	5.5	0.00
10/05/2023 09:10	3.4	87	31	5.9	0.00
10/05/2023 09:20	3.6	88	26	5.6	0.00
10/05/2023 09:30	4.1	85	26	7.1	0.00
10/05/2023 09:40	4.0	83	24	7.0	0.00
10/05/2023 09:50	3.8	87	24	5.9	0.00
10/05/2023 10:00	3.5	86	23	5.7	0.00
10/05/2023 10:10	3.1	83	29	4.8	0.00
10/05/2023 10:20	3.3	85	23	4.9	0.00
10/05/2023 10:30	3.4	86	24	5.6	0.00
10/05/2023 10:40	2.8	85	31	5.1	0.00
10/05/2023 10:50	2.9	88	27	4.8	0.00
10/05/2023 11:00	2.8	89	26	4.8	0.00
10/05/2023 11:10	2.8	85	30	4.2	0.00
10/05/2023 11:20	3.0	79	25	4.8	0.00
10/05/2023 11:30	2.6	94	35	4.4	0.00
10/05/2023 11:40	3.0	84	24	5.2	0.00
10/05/2023 11:50	3.0	81	23	4.8	0.00
10/05/2023 12:00	3.0	82	25	4.9	0.00
10/05/2023 12:10	2.7	84	26	4.5	0.00
10/05/2023 12:20	2.9	83	23	4.9	0.00
10/05/2023 12:30	3.0	80	21	5.0	0.00
10/05/2023 12:40	2.6	64	25	4.3	0.00
10/05/2023 12:50	2.7	65	27	4.7	0.00
10/05/2023 13:00	2.6	63	28	4.2	0.00
10/05/2023 13:10	2.3	70	27	3.8	0.00
10/05/2023 13:20	2.1	86	28	3.5	0.00
10/05/2023 13:30	2.2	86	26	3.6	0.00
10/05/2023 13:40	2.1	87	23	3.5	0.00
10/05/2023 13:50	1.9	81	26	3.4	0.00
10/05/2023 14:00	1.8	71	23	3.2	0.00
10/05/2023 14:10	2.3	58	23	3.5	0.00
10/05/2023 14:20	2.2	66	21	3.2	0.00
10/05/2023 14:30	1.9	63	25	3.2	0.00
10/05/2023 14:40	2.1	61	22	3.4	0.00
10/05/2023 14:50	1.9	56	22	3.4	0.00
10/05/2023 15:00	1.8	68	22	3.1	0.00
10/05/2023 15:10	1.8	55	21	2.6	0.00
10/05/2023 15:20	1.5	60	26	2.5	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/05/2023 15:30	1.3	56	21	2.0	0.00
10/05/2023 15:40	1.4	64	21	2.5	0.00
10/05/2023 15:50	1.3	68	25	2.0	0.00
10/05/2023 16:00	1.6	71	21	2.3	0.00
10/05/2023 16:10	1.3	54	23	2.1	0.00
10/05/2023 16:20	1.1	69	21	1.9	0.00
10/05/2023 16:30	1.3	69	22	2.4	0.00
10/05/2023 16:40	0.9	58	27	1.3	0.00
10/05/2023 16:50	0.8	67	19	1.4	0.00
10/05/2023 17:00	1.0	52	15	1.7	0.00
10/05/2023 17:10	1.2	64	17	1.8	0.00
10/05/2023 17:20	0.7	54	24	1.4	0.00
10/05/2023 17:30	0.8	43	14	1.2	0.00
10/05/2023 17:40	0.8	37	17	1.2	0.00
10/05/2023 17:50	0.9	39	15	1.2	0.00
10/05/2023 18:00	0.9	44	14	1.3	0.00
10/05/2023 18:10	0.9	38	20	1.5	0.00
10/05/2023 18:20	0.1	44	6	0.6	0.00
10/05/2023 18:30	0.4	29	11	0.8	0.00
10/05/2023 18:40	0.6	40	13	0.8	0.00
10/05/2023 18:50	0.7	36	16	1.2	0.00
10/05/2023 19:00	0.2	52	10	0.9	0.00
10/05/2023 19:10					0.00
10/05/2023 19:20					0.00
10/05/2023 19:30	0.1	39	5	0.6	0.00
10/05/2023 19:40	0.5	42	13	0.9	0.00
10/05/2023 19:50	0.1	80	9	0.7	0.00
10/05/2023 20:00	0.2	179	10	0.6	0.00
10/05/2023 20:10					0.00
10/05/2023 20:20	0.5	31	13	1.2	0.00
10/05/2023 20:30	0.7	6	23	1.3	0.00
10/05/2023 20:40	0.8	18	14	1.2	0.00
10/05/2023 20:50	0.7	20	19	1.1	0.00
10/05/2023 21:00					0.00
10/05/2023 21:10	0.1	27	3	0.4	0.00
10/05/2023 21:20	0.4	14	8	0.8	0.00
10/05/2023 21:30	0.1	262	6	0.6	0.00
10/05/2023 21:40	0.1	230	4	0.4	0.00
10/05/2023 21:50	0.2	296	3	0.7	0.00
10/05/2023 22:00	0.1	349	7	0.6	0.00
10/05/2023 22:10					0.00
10/05/2023 22:20	0.0	271	0	0.4	0.00
10/05/2023 22:30	0.1	252	3	0.7	0.00
10/05/2023 22:40	0.8	254	13	1.2	0.00
10/05/2023 22:50	1.1	254	12	1.7	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/05/2023 23:00	1.2	259	12	1.7	0.00
10/05/2023 23:10	0.7	258	12	1.1	0.00
10/05/2023 23:20	0.9	251	8	1.2	0.00
10/05/2023 23:30	0.4	220	9	0.8	0.00
10/05/2023 23:40	0.1	263	4	0.6	0.00
10/05/2023 23:50	0.2	268	6	0.6	0.00
11/05/2023 00:00	0.1	134	8	0.6	0.00
11/05/2023 00:10	0.2	343	8	0.9	0.00
11/05/2023 00:20					0.00
11/05/2023 00:30					0.00
11/05/2023 00:40	0.3	46	10	0.9	0.00
11/05/2023 00:50	0.1	60	13	0.4	0.00
11/05/2023 01:00					0.00
11/05/2023 01:10					0.00
11/05/2023 01:20	0.1	204	5	0.5	0.00
11/05/2023 01:30	0.5	161	21	0.9	0.00
11/05/2023 01:40	1.0	260	18	1.4	0.00
11/05/2023 01:50	1.0	287	25	1.3	0.00
11/05/2023 02:00	1.0	242	7	1.3	0.00
11/05/2023 02:10	0.7	297	21	1.1	0.00
11/05/2023 02:20	1.0	350	12	1.4	0.00
11/05/2023 02:30	1.0	344	9	1.2	0.00
11/05/2023 02:40	0.6	345	12	1.2	0.00
11/05/2023 02:50	0.9	357	19	1.2	0.00
11/05/2023 03:00	0.4	352	10	0.8	0.00
11/05/2023 03:10	0.1	6	4	0.8	0.00
11/05/2023 03:20	0.4	350	8	0.7	0.00
11/05/2023 03:30	0.2	180	9	0.6	0.00
11/05/2023 03:40	0.1	229	12	0.4	0.00
11/05/2023 03:50	0.1	276	2	0.7	0.00
11/05/2023 04:00	0.2	4	6	0.8	0.00
11/05/2023 04:10	0.4	348	11	1.0	0.00
11/05/2023 04:20	0.6	175	13	1.0	0.00
11/05/2023 04:30	0.4	56	26	1.0	0.00
11/05/2023 04:40	0.3	12	16	0.8	0.00
11/05/2023 04:50	0.3	21	13	0.7	0.00
11/05/2023 05:00	0.5	20	18	0.8	0.00
11/05/2023 05:10	0.7	47	17	1.2	0.00
11/05/2023 05:20	0.4	111	30	0.9	0.00
11/05/2023 05:30	0.6	291	30	0.9	0.00
11/05/2023 05:40	0.6	25	19	1.0	0.00
11/05/2023 05:50	0.0	62	3	0.4	0.00
11/05/2023 06:00	0.4	39	23	0.8	0.00
11/05/2023 06:10	0.4	48	24	0.9	0.00
11/05/2023 06:20	0.3	35	25	0.9	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/05/2023 06:30	0.2	35	17	0.7	0.00
11/05/2023 06:40	0.1	32	16	0.5	0.00
11/05/2023 06:50	0.3	31	26	0.8	0.00
11/05/2023 07:00	0.9	75	37	1.8	0.00
11/05/2023 07:10	1.2	90	35	2.2	0.00
11/05/2023 07:20	1.2	105	31	2.5	0.00
11/05/2023 07:30	1.1	101	31	1.9	0.00
11/05/2023 07:40	1.4	114	30	2.4	0.00
11/05/2023 07:50	1.3	133	32	2.0	0.00
11/05/2023 08:00	1.4	115	28	2.4	0.00
11/05/2023 08:10	1.5	106	30	2.6	0.00
11/05/2023 08:20	1.6	108	30	2.8	0.00
11/05/2023 08:30	1.8	98	28	3.6	0.00
11/05/2023 08:40	2.0	98	35	3.6	0.00
11/05/2023 08:50	2.1	103	33	3.3	0.00
11/05/2023 09:00	2.2	106	33	3.9	0.00
11/05/2023 09:10	2.2	105	29	3.6	0.00
11/05/2023 09:20	2.3	97	33	4.2	0.00
11/05/2023 09:30	2.6	93	33	4.0	0.00
11/05/2023 09:40	2.9	88	26	4.6	0.00
11/05/2023 09:50	2.8	90	26	4.7	0.00
11/05/2023 10:00	3.0	83	29	5.2	0.00
11/05/2023 10:10	3.2	85	19	5.0	0.00
11/05/2023 10:20	3.7	83	22	5.5	0.00
11/05/2023 10:30	3.4	88	24	5.7	0.00
11/05/2023 10:40	3.4	85	23	5.1	0.00
11/05/2023 10:50	3.4	89	27	5.2	0.00
11/05/2023 11:00	3.2	87	23	4.6	0.00
11/05/2023 11:10	3.2	86	27	5.8	0.00
11/05/2023 11:20	3.0	83	21	4.8	0.00
11/05/2023 11:30	3.4	81	26	5.5	0.00
11/05/2023 11:40	3.4	83	25	5.2	0.00
11/05/2023 11:50	3.5	90	24	5.8	0.00
11/05/2023 12:00	3.0	88	27	4.7	0.00
11/05/2023 12:10	3.3	88	27	5.4	0.00
11/05/2023 12:20	3.2	86	26	5.2	0.00
11/05/2023 12:30	3.3	88	26	5.5	0.00
11/05/2023 12:40	2.8	91	25	4.8	0.00
11/05/2023 12:50	3.2	91	25	5.3	0.00
11/05/2023 13:00	2.6	76	25	4.7	0.00
11/05/2023 13:10	2.7	74	26	4.5	0.00
11/05/2023 13:20	3.0	65	21	4.9	0.00
11/05/2023 13:30	3.0	58	22	5.0	0.00
11/05/2023 13:40	3.1	71	22	4.7	0.00
11/05/2023 13:50	3.0	64	21	4.7	0.00





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/05/2023 14:00	3.3	57	23	4.7	0.00
11/05/2023 14:10	3.1	58	26	5.3	0.00
11/05/2023 14:20	3.1	61	22	5.2	0.00
11/05/2023 14:30	3.0	46	26	4.9	0.00
11/05/2023 14:40	3.0	54	23	4.9	0.00
11/05/2023 14:50	2.9	61	22	4.7	0.00
11/05/2023 15:00	3.1	52	23	4.9	0.00
11/05/2023 15:10	2.9	47	22	4.9	0.00
11/05/2023 15:20	3.0	53	24	5.0	0.00
11/05/2023 15:30	2.7	52	23	4.7	0.00
11/05/2023 15:40	2.6	62	24	4.4	0.00
11/05/2023 15:50	2.9	54	20	4.7	0.00
11/05/2023 16:00	2.4	60	23	4.2	0.00
11/05/2023 16:10	2.4	59	23	4.0	0.00
11/05/2023 16:20	2.5	51	22	4.3	0.00
11/05/2023 16:30	2.0	56	23	3.4	0.00
11/05/2023 16:40	2.1	60	23	3.5	0.00
11/05/2023 16:50	2.0	52	18	2.9	0.00
11/05/2023 17:00	1.8	50	22	2.8	0.00
11/05/2023 17:10	1.6	55	19	2.4	0.00
11/05/2023 17:20	1.3	52	19	2.1	0.00
11/05/2023 17:30	1.3	51	16	1.9	0.00
11/05/2023 17:40	1.2	52	15	1.7	0.00
11/05/2023 17:50	1.1	41	16	1.6	0.00
11/05/2023 18:00	1.0	43	18	1.5	0.00
11/05/2023 18:10	1.1	41	17	1.6	0.00
11/05/2023 18:20	1.0	39	19	1.6	0.00
11/05/2023 18:30	1.0	36	13	1.3	0.00
11/05/2023 18:40	1.0	38	16	1.5	0.00
11/05/2023 18:50	1.0	30	15	1.5	0.00
11/05/2023 19:00	1.1	28	16	1.6	0.00
11/05/2023 19:10	0.9	26	18	1.5	0.00
11/05/2023 19:20	0.8	31	11	1.0	0.00
11/05/2023 19:30	0.5	27	9	0.8	0.00
11/05/2023 19:40	0.4	59	12	0.9	0.00
11/05/2023 19:50	0.7	33	15	1.1	0.00
11/05/2023 20:00	0.7	9	23	1.2	0.00
11/05/2023 20:10	0.8	9	17	1.2	0.00
11/05/2023 20:20	0.6	11	15	1.1	0.00
11/05/2023 20:30	0.4	11	13	0.8	0.00
11/05/2023 20:40	0.2	184	10	0.7	0.00
11/05/2023 20:50	0.4	23	9	0.8	0.00
11/05/2023 21:00	0.5	24	10	0.8	0.00
11/05/2023 21:10	0.5	15	11	0.8	0.00
11/05/2023 21:20	0.7	16	16	1.0	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/05/2023 21:30	0.5	7	15	0.9	0.00
11/05/2023 21:40	0.7	9	13	1.0	0.00
11/05/2023 21:50	0.5	13	15	0.8	0.00
11/05/2023 22:00	0.6	13	10	0.8	0.00
11/05/2023 22:10	0.5	12	12	0.8	0.00
11/05/2023 22:20	0.5	9	13	0.8	0.00
11/05/2023 22:30	0.4	13	9	0.8	0.00
11/05/2023 22:40	0.1	5	5	0.5	0.00
11/05/2023 22:50	0.2	178	6	0.7	0.00
11/05/2023 23:00					0.00
11/05/2023 23:10	0.1	12	7	0.4	0.00
11/05/2023 23:20	0.3	26	10	0.6	0.00
11/05/2023 23:30	0.4	31	16	0.7	0.00
11/05/2023 23:40	0.4	17	9	0.8	0.00
11/05/2023 23:50	0.6	17	12	0.9	0.00
12/05/2023 00:00	0.5	9	10	0.8	0.00
12/05/2023 00:10	0.3	183	10	0.7	0.00
12/05/2023 00:20	0.4	352	9	0.8	0.00
12/05/2023 00:30	0.1	327	16	0.8	0.00
12/05/2023 00:40	0.4	299	14	0.8	0.00
12/05/2023 00:50	0.3	30	48	0.9	0.00
12/05/2023 01:00	0.1	180	6	0.6	0.00
12/05/2023 01:10	0.2	26	9	0.8	0.00
12/05/2023 01:20	0.1	277	8	0.6	0.00
12/05/2023 01:30	0.3	12	10	0.8	0.00
12/05/2023 01:40	0.1	16	3	0.5	0.00
12/05/2023 01:50	0.5	349	9	0.8	0.00
12/05/2023 02:00	0.5	348	9	0.9	0.00
12/05/2023 02:10	0.2	174	9	0.8	0.00
12/05/2023 02:20	0.2	282	9	0.7	0.00
12/05/2023 02:30	0.6	257	18	1.0	0.00
12/05/2023 02:40	0.7	261	13	1.2	0.00
12/05/2023 02:50	0.2	298	4	0.9	0.00
12/05/2023 03:00	0.3	257	5	0.8	0.00
12/05/2023 03:10	0.4	288	22	0.9	0.00
12/05/2023 03:20	0.1	298	5	0.6	0.00
12/05/2023 03:30	0.2	355	8	0.8	0.00
12/05/2023 03:40	0.8	345	8	1.1	0.00
12/05/2023 03:50	1.1	341	8	1.4	0.00
12/05/2023 04:00	1.0	353	11	1.3	0.00
12/05/2023 04:10	0.8	7	17	1.1	0.00
12/05/2023 04:20	0.7	23	26	1.4	0.00
12/05/2023 04:30	0.5	185	16	1.0	0.00
12/05/2023 04:40	0.2	3	11	0.6	0.00
12/05/2023 04:50	0.1	5	13	0.6	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/05/2023 05:00	0.0	335	3	0.4	0.00
12/05/2023 05:10	0.0	4	7	0.4	0.00
12/05/2023 05:20	0.0	19	7	0.4	0.00
12/05/2023 05:30	0.2	30	18	0.7	0.00
12/05/2023 05:40	0.2	30	24	0.7	0.00
12/05/2023 05:50	0.3	29	22	0.9	0.00
12/05/2023 06:00	0.2	46	16	0.8	0.00
12/05/2023 06:10	0.2	41	20	0.8	0.00
12/05/2023 06:20	0.1	35	13	0.4	0.00
12/05/2023 06:30	0.0	50	6	0.4	0.00
12/05/2023 06:40	0.0	58	0	0.4	0.00
12/05/2023 06:50	0.0	195	8	0.4	0.00
12/05/2023 07:00	0.0	55	5	0.4	0.00
12/05/2023 07:10	0.2	83	8	0.9	0.00
12/05/2023 07:20	0.3	91	19	1.2	0.00
12/05/2023 07:30	0.7	104	29	1.5	0.00
12/05/2023 07:40	1.0	110	34	2.1	0.00
12/05/2023 07:50	1.2	104	32	2.2	0.00
12/05/2023 08:00	1.8	97	26	3.1	0.00
12/05/2023 08:10	1.5	107	33	2.7	0.00
12/05/2023 08:20	1.6	108	34	3.0	0.00
12/05/2023 08:30	1.8	114	33	2.8	0.00
12/05/2023 08:40	1.8	108	38	3.2	0.00
12/05/2023 08:50	1.9	97	35	3.4	0.00
12/05/2023 09:00	2.0	92	28	3.4	0.00
12/05/2023 09:10	2.3	92	28	4.2	0.00
12/05/2023 09:20	2.6	82	28	4.4	0.00
12/05/2023 09:30	2.7	92	22	4.3	0.00
12/05/2023 09:40	3.0	93	28	4.8	0.00
12/05/2023 09:50	3.0	85	27	4.8	0.00
12/05/2023 10:00	2.9	78	26	4.6	0.00
12/05/2023 10:10	3.0	73	23	4.5	0.00
12/05/2023 10:20	2.9	70	26	4.4	0.00
12/05/2023 10:30	3.2	77	25	5.8	0.00
12/05/2023 10:40	3.3	78	28	5.2	0.00
12/05/2023 10:50	3.4	84	26	5.5	0.00
12/05/2023 11:00	3.2	90	29	5.3	0.00
12/05/2023 11:10	3.5	87	25	5.9	0.00
12/05/2023 11:20	3.5	85	25	5.6	0.00
12/05/2023 11:30	3.2	89	26	5.2	0.00
12/05/2023 11:40	3.1	79	25	5.7	0.00
12/05/2023 11:50	2.6	67	26	4.0	0.00
12/05/2023 12:00	3.0	64	24	5.0	0.00
12/05/2023 12:10	3.1	60	24	6.0	0.00
12/05/2023 12:20	3.1	62	24	5.5	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/05/2023 12:30	3.1	60	24	4.9	0.00
12/05/2023 12:40	2.8	63	19	5.3	0.00
12/05/2023 12:50	3.0	57	23	5.0	0.00
12/05/2023 13:00	2.9	60	22	4.5	0.00
12/05/2023 13:10	3.0	62	22	4.7	0.00
12/05/2023 13:20	3.1	63	25	5.2	0.00
12/05/2023 13:30	3.3	62	24	5.3	0.00
12/05/2023 13:40	3.1	64	25	5.0	0.00
12/05/2023 13:50	3.0	68	23	4.3	0.00
12/05/2023 14:00	3.0	68	22	4.8	0.00
12/05/2023 14:10	3.2	64	25	5.2	0.00
12/05/2023 14:20	2.9	59	22	4.7	0.00
12/05/2023 14:30	3.6	53	22	5.6	0.00
12/05/2023 14:40	3.0	56	21	4.9	0.00
12/05/2023 14:50	2.9	61	22	4.9	0.00
12/05/2023 15:00	3.2	57	21	5.1	0.00
12/05/2023 15:10	3.1	57	23	4.9	0.00
12/05/2023 15:20	2.7	54	23	5.3	0.00
12/05/2023 15:30	3.0	49	23	4.4	0.00
12/05/2023 15:40	2.6	52	25	4.3	0.00
12/05/2023 15:50	3.4	45	19	5.7	0.00
12/05/2023 16:00	3.8	51	17	6.1	0.00
12/05/2023 16:10	3.7	54	18	5.5	0.00
12/05/2023 16:20	3.3	52	20	5.2	0.00
12/05/2023 16:30	2.9	44	20	4.8	0.00
12/05/2023 16:40	3.1	50	19	4.6	0.00
12/05/2023 16:50	3.1	51	19	5.2	0.00
12/05/2023 17:00	2.7	50	22	4.5	0.00
12/05/2023 17:10	2.6	44	21	3.9	0.00
12/05/2023 17:20	2.3	48	18	3.7	0.00
12/05/2023 17:30	1.7	50	16	2.5	0.00
12/05/2023 17:40	1.8	49	14	2.7	0.00
12/05/2023 17:50	1.7	47	17	2.4	0.00
12/05/2023 18:00	1.6	46	16	2.4	0.00
12/05/2023 18:10	1.6	45	17	2.4	0.00
12/05/2023 18:20	1.3	48	16	2.0	0.00
12/05/2023 18:30	1.1	50	16	1.6	0.00
12/05/2023 18:40	0.3	49	12	0.7	0.00
12/05/2023 18:50	0.8	29	14	1.3	0.00
12/05/2023 19:00	1.2	30	16	1.7	0.00
12/05/2023 19:10	0.6	77	42	1.2	0.00
12/05/2023 19:20	0.2	235	4	0.6	0.00
12/05/2023 19:30	0.1	9	7	0.8	0.00
12/05/2023 19:40	0.6	225	5	0.8	0.00
12/05/2023 19:50	0.4	249	10	0.9	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/05/2023 20:00	0.0	341	3	0.4	0.00
12/05/2023 20:10	0.0	8	1	0.4	0.00
12/05/2023 20:20	0.3	255	4	0.8	0.00
12/05/2023 20:30					0.00
12/05/2023 20:40					0.00
12/05/2023 20:50					0.00
12/05/2023 21:00	0.2	347	4	0.5	0.00
12/05/2023 21:10	0.4	349	5	0.7	0.00
12/05/2023 21:20	0.3	352	8	0.8	0.00
12/05/2023 21:30	0.3	354	6	0.6	0.00
12/05/2023 21:40					0.00
12/05/2023 21:50	0.7	353	10	1.0	0.00
12/05/2023 22:00	0.5	350	9	0.8	0.00
12/05/2023 22:10	0.0	182	2	0.4	0.00
12/05/2023 22:20	0.4	181	8	0.8	0.00
12/05/2023 22:30	0.7	15	13	0.9	0.00
12/05/2023 22:40	0.8	15	11	1.2	0.00
12/05/2023 22:50	1.0	20	12	1.2	0.00
12/05/2023 23:00	0.2	19	10	0.8	0.00
12/05/2023 23:10					0.00
12/05/2023 23:20					0.00
12/05/2023 23:30	0.6	350	4	1.1	0.00
12/05/2023 23:40	0.8	347	10	1.1	0.00
12/05/2023 23:50	0.7	4	17	0.9	0.00
13/05/2023 00:00	0.8	9	13	1.1	0.00
13/05/2023 00:10	0.9	182	17	1.2	0.00
13/05/2023 00:20	0.5	351	10	1.2	0.00
13/05/2023 00:30	0.8	342	11	1.2	0.00
13/05/2023 00:40	0.8	347	12	1.1	0.00
13/05/2023 00:50	0.4	350	18	0.9	0.00
13/05/2023 01:00	0.9	241	18	1.6	0.00
13/05/2023 01:10	1.2	255	13	1.6	0.00
13/05/2023 01:20	1.1	244	12	1.6	0.00
13/05/2023 01:30	0.4	214	23	1.4	0.00
13/05/2023 01:40	0.5	158	31	1.2	0.00
13/05/2023 01:50	1.8	195	26	3.2	0.00
13/05/2023 02:00	1.1	204	34	2.2	0.00
13/05/2023 02:10	0.7	216	42	1.2	0.00
13/05/2023 02:20	0.8	254	51	1.6	0.00
13/05/2023 02:30	0.8	235	34	1.6	0.00
13/05/2023 02:40	0.8	245	37	1.6	0.00
13/05/2023 02:50	0.7	72	28	2.0	0.00
13/05/2023 03:00	0.8	178	38	1.5	0.00
13/05/2023 03:10	0.4	107	60	0.8	0.00
13/05/2023 03:20	0.2	303	20	0.7	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/05/2023 03:30	0.4	133	34	1.2	0.00
13/05/2023 03:40	0.5	211	20	1.2	0.00
13/05/2023 03:50	1.0	147	62	1.6	0.00
13/05/2023 04:00	0.7	231	27	1.3	0.00
13/05/2023 04:10	0.8	122	32	1.7	0.00
13/05/2023 04:20	0.8	162	36	1.4	0.00
13/05/2023 04:30	0.7	194	47	1.7	0.00
13/05/2023 04:40	0.8	156	29	1.4	0.00
13/05/2023 04:50	1.3	167	32	2.8	0.00
13/05/2023 05:00	1.7	176	26	3.1	0.00
13/05/2023 05:10	1.0	183	29	1.8	0.00
13/05/2023 05:20	0.6	244	27	1.1	0.00
13/05/2023 05:30	0.7	347	10	1.2	0.00
13/05/2023 05:40	1.0	16	22	1.5	0.00
13/05/2023 05:50	0.7	23	20	1.2	0.00
13/05/2023 06:00	0.7	9	19	1.1	0.00
13/05/2023 06:10	0.8	15	17	1.1	0.00
13/05/2023 06:20	0.9	19	24	1.4	0.00
13/05/2023 06:30	0.7	14	17	1.2	0.00
13/05/2023 06:40	0.5	14	18	0.8	0.00
13/05/2023 06:50	0.6	10	17	0.8	0.00
13/05/2023 07:00	0.6	20	23	0.9	0.00
13/05/2023 07:10	0.5	29	25	1.1	0.00
13/05/2023 07:20	0.5	68	26	1.0	0.00
13/05/2023 07:30	1.0	81	25	1.6	0.00
13/05/2023 07:40	0.5	53	17	0.9	0.00
13/05/2023 07:50	0.2	164	18	0.6	0.00
13/05/2023 08:00	0.8	112	30	1.6	0.00
13/05/2023 08:10	1.7	183	16	2.8	0.00
13/05/2023 08:20	1.4	165	24	2.7	0.00
13/05/2023 08:30	1.3	144	33	2.4	0.00
13/05/2023 08:40	1.7	153	28	3.1	0.00
13/05/2023 08:50	1.6	145	26	2.9	0.00
13/05/2023 09:00	1.7	129	28	2.8	0.00
13/05/2023 09:10	1.8	113	31	3.0	0.00
13/05/2023 09:20	1.9	108	29	3.3	0.00
13/05/2023 09:30	2.2	108	27	3.4	0.00
13/05/2023 09:40	2.1	115	26	3.4	0.00
13/05/2023 09:50	2.0	117	26	3.1	0.00
13/05/2023 10:00	1.9	115	33	3.6	0.00
13/05/2023 10:10	2.1	120	30	3.5	0.00
13/05/2023 10:20	2.3	108	30	4.0	0.00
13/05/2023 10:30	2.3	102	32	4.0	0.00
13/05/2023 10:40	2.4	92	27	3.7	0.00
13/05/2023 10:50	2.6	91	33	4.2	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/05/2023 11:00	2.5	88	24	4.2	0.00
13/05/2023 11:10	2.6	89	29	4.2	0.00
13/05/2023 11:20	2.7	76	23	4.7	0.00
13/05/2023 11:30	2.5	72	22	4.7	0.00
13/05/2023 11:40	2.7	83	24	4.2	0.00
13/05/2023 11:50	2.9	84	24	4.8	0.00
13/05/2023 12:00	2.8	88	26	4.5	0.00
13/05/2023 12:10	3.1	92	24	5.1	0.00
13/05/2023 12:20	3.0	80	24	5.1	0.00
13/05/2023 12:30	3.1	91	27	4.9	0.00
13/05/2023 12:40	2.6	89	27	4.3	0.00
13/05/2023 12:50	2.7	93	29	4.3	0.00
13/05/2023 13:00	2.4	92	32	3.7	0.00
13/05/2023 13:10	2.6	76	26	4.4	0.00
13/05/2023 13:20	2.4	69	23	4.0	0.00
13/05/2023 13:30	2.4	57	28	4.2	0.00
13/05/2023 13:40	2.2	67	23	4.0	0.00
13/05/2023 13:50	2.0	72	23	3.2	0.00
13/05/2023 14:00	2.0	77	27	3.0	0.00
13/05/2023 14:10	2.1	61	23	3.1	0.00
13/05/2023 14:20	1.9	76	25	3.2	0.00
13/05/2023 14:30	1.9	69	25	3.0	0.00
13/05/2023 14:40	2.0	74	24	3.0	0.00
13/05/2023 14:50	2.1	69	24	3.3	0.00
13/05/2023 15:00	2.1	61	26	3.2	0.00
13/05/2023 15:10	2.2	54	28	3.5	0.00
13/05/2023 15:20	2.2	63	24	3.5	0.00
13/05/2023 15:30	2.1	64	19	3.5	0.00
13/05/2023 15:40	2.0	58	23	3.4	0.00
13/05/2023 15:50	1.9	69	22	3.2	0.00
13/05/2023 16:00	1.8	64	21	3.0	0.00
13/05/2023 16:10	1.6	70	22	2.5	0.00
13/05/2023 16:20	1.8	59	22	2.9	0.00
13/05/2023 16:30	1.6	58	21	2.5	0.00
13/05/2023 16:40	1.4	57	18	2.4	0.00
13/05/2023 16:50	1.3	53	17	2.1	0.00
13/05/2023 17:00	1.7	42	20	2.5	0.00
13/05/2023 17:10	1.6	11	34	2.6	0.00
13/05/2023 17:20	1.9	17	26	3.2	0.00
13/05/2023 17:30	1.6	4	27	2.8	0.00
13/05/2023 17:40	1.5	172	33	2.9	0.00
13/05/2023 17:50	1.5	339	31	2.5	0.00
13/05/2023 18:00	1.8	334	26	3.2	0.00
13/05/2023 18:10	1.8	344	22	2.9	0.00
13/05/2023 18:20	2.1	328	21	3.2	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/05/2023 18:30	2.4	326	18	3.4	0.00
13/05/2023 18:40	1.8	347	29	2.8	0.00
13/05/2023 18:50	1.3	308	45	2.2	0.00
13/05/2023 19:00	1.2	263	36	2.3	0.00
13/05/2023 19:10	0.6	267	40	1.3	0.00
13/05/2023 19:20	1.0	262	27	1.8	0.00
13/05/2023 19:30	0.8	282	59	1.8	0.00
13/05/2023 19:40	0.7	233	43	1.6	0.00
13/05/2023 19:50	0.7	206	57	1.4	0.00
13/05/2023 20:00	0.3	95	28	0.9	0.00
13/05/2023 20:10	0.2	156	6	0.9	0.00
13/05/2023 20:20	1.6	257	15	2.2	0.00
13/05/2023 20:30	1.5	269	28	2.4	0.00
13/05/2023 20:40	1.0	273	43	1.7	0.00
13/05/2023 20:50	1.5	253	16	2.2	0.00
13/05/2023 21:00	2.2	257	13	3.0	0.00
13/05/2023 21:10	1.8	260	13	2.7	0.00
13/05/2023 21:20	2.3	246	12	3.2	0.00
13/05/2023 21:30	2.0	258	18	3.1	0.00
13/05/2023 21:40	1.3	266	19	2.1	0.00
13/05/2023 21:50	0.9	273	15	1.2	0.00
13/05/2023 22:00	0.8	263	20	1.2	0.00
13/05/2023 22:10	1.1	261	18	1.6	0.00
13/05/2023 22:20	1.0	282	22	1.5	0.00
13/05/2023 22:30	1.2	266	22	1.9	0.00
13/05/2023 22:40	1.4	267	15	2.0	0.00
13/05/2023 22:50	1.5	263	18	2.1	0.00
13/05/2023 23:00	1.4	261	17	2.1	0.00
13/05/2023 23:10	1.1	264	15	1.5	0.00
13/05/2023 23:20	1.3	258	15	2.1	0.00
13/05/2023 23:30	1.4	261	13	2.0	0.00
13/05/2023 23:40	1.1	256	15	1.5	0.00
13/05/2023 23:50	1.0	255	11	1.5	0.00
14/05/2023 00:00	1.2	255	13	1.6	0.00
14/05/2023 00:10	0.9	277	15	1.5	0.00
14/05/2023 00:20	1.1	266	11	1.4	0.00
14/05/2023 00:30	0.9	274	13	1.2	0.00
14/05/2023 00:40	0.9	273	14	1.4	0.00
14/05/2023 00:50	0.9	286	12	1.2	0.00
14/05/2023 01:00	0.9	288	15	1.3	0.00
14/05/2023 01:10	0.9	269	30	1.5	0.00
14/05/2023 01:20	0.2	190	10	0.8	0.00
14/05/2023 01:30	0.4	250	16	1.2	0.00
14/05/2023 01:40	0.0	40	0	0.4	0.00
14/05/2023 01:50	0.9	247	17	1.5	0.00





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/05/2023 02:00	0.2	230	12	0.8	0.00
14/05/2023 02:10	0.8	270	13	1.2	0.00
14/05/2023 02:20	0.7	291	43	1.2	0.00
14/05/2023 02:30	0.5	329	10	1.1	0.00
14/05/2023 02:40	0.5	318	9	0.9	0.00
14/05/2023 02:50					0.00
14/05/2023 03:00					0.00
14/05/2023 03:10	0.1	22	3	0.4	0.00
14/05/2023 03:20	0.0	53	12	0.5	0.00
14/05/2023 03:30					0.00
14/05/2023 03:40	0.6	244	6	1.1	0.00
14/05/2023 03:50	1.2	239	22	2.0	0.00
14/05/2023 04:00	0.9	236	16	1.6	0.00
14/05/2023 04:10	1.7	250	11	2.2	0.00
14/05/2023 04:20	1.7	249	13	2.2	0.00
14/05/2023 04:30	0.9	210	41	1.8	0.00
14/05/2023 04:40	0.3	208	28	1.2	0.00
14/05/2023 04:50	0.4	259	37	1.1	0.00
14/05/2023 05:00	0.9	199	43	1.6	0.00
14/05/2023 05:10	1.1	208	23	1.8	0.00
14/05/2023 05:20	1.0	213	20	1.9	0.00
14/05/2023 05:30	0.9	214	35	1.6	0.00
14/05/2023 05:40	0.7	209	37	1.6	0.00
14/05/2023 05:50	0.7	270	28	1.1	0.00
14/05/2023 06:00	0.5	312	27	0.9	0.00
14/05/2023 06:10	0.3	21	16	0.8	0.00
14/05/2023 06:20	0.6	70	29	1.2	0.00
14/05/2023 06:30	0.2	79	16	0.9	0.00
14/05/2023 06:40	0.0	47	11	0.4	0.00
14/05/2023 06:50	0.3	91	19	1.0	0.00
14/05/2023 07:00	0.6	80	27	1.1	0.00
14/05/2023 07:10	0.9	100	27	2.3	0.00
14/05/2023 07:20	0.8	110	30	1.5	0.00
14/05/2023 07:30	1.2	115	26	1.9	0.00
14/05/2023 07:40	1.3	106	34	2.4	0.00
14/05/2023 07:50	1.2	102	34	2.4	0.00
14/05/2023 08:00	1.6	97	25	2.4	0.00
14/05/2023 08:10	2.0	91	22	3.3	0.00
14/05/2023 08:20	2.1	92	24	3.3	0.00
14/05/2023 08:30	2.0	98	29	3.5	0.00
14/05/2023 08:40	2.4	81	25	3.6	0.00
14/05/2023 08:50	2.6	78	24	4.0	0.00
14/05/2023 09:00	2.7	77	25	4.2	0.00
14/05/2023 09:10	2.8	75	24	4.6	0.00
14/05/2023 09:20	2.7	83	22	4.4	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/05/2023 09:30	2.6	94	28	4.2	0.00
14/05/2023 09:40	2.6	87	25	4.3	0.00
14/05/2023 09:50	2.6	93	32	4.5	0.00
14/05/2023 10:00	2.8	105	28	4.4	0.00
14/05/2023 10:10	2.5	95	32	4.3	0.00
14/05/2023 10:20	2.6	94	29	4.0	0.00
14/05/2023 10:30	2.7	106	29	4.4	0.00
14/05/2023 10:40	2.2	99	30	4.0	0.00
14/05/2023 10:50	2.6	99	28	4.1	0.00
14/05/2023 11:00	2.1	105	31	3.5	0.00
14/05/2023 11:10	2.3	93	28	3.7	0.00
14/05/2023 11:20	2.7	75	22	4.2	0.00
14/05/2023 11:30	2.6	72	23	4.4	0.00
14/05/2023 11:40	2.8	72	22	4.5	0.00
14/05/2023 11:50	2.7	73	22	4.4	0.00
14/05/2023 12:00	2.3	94	30	3.9	0.00
14/05/2023 12:10	2.2	95	30	3.6	0.00
14/05/2023 12:20	2.1	79	29	3.3	0.00
14/05/2023 12:30	2.5	55	21	3.9	0.00
14/05/2023 12:40	2.4	65	25	3.9	0.00
14/05/2023 12:50	2.0	77	25	3.5	0.00
14/05/2023 13:00	2.1	63	21	3.2	0.00
14/05/2023 13:10	2.3	57	24	3.7	0.00
14/05/2023 13:20	2.3	54	28	4.0	0.00
14/05/2023 13:30	2.2	43	27	3.7	0.00
14/05/2023 13:40	2.3	47	21	3.6	0.00
14/05/2023 13:50	2.2	68	24	3.4	0.00
14/05/2023 14:00	2.3	57	22	3.7	0.00
14/05/2023 14:10	2.2	58	23	3.3	0.00
14/05/2023 14:20	2.2	49	23	3.6	0.00
14/05/2023 14:30	2.5	48	18	3.7	0.00
14/05/2023 14:40	2.2	56	25	3.2	0.00
14/05/2023 14:50	1.6	63	30	2.5	0.00
14/05/2023 15:00	2.4	202	57	4.0	0.00
14/05/2023 15:10	3.3	243	24	4.7	0.00
14/05/2023 15:20	3.7	253	15	4.9	0.00
14/05/2023 15:30	3.0	248	20	5.0	0.00
14/05/2023 15:40	3.9	240	20	5.3	0.00
14/05/2023 15:50	3.8	244	16	5.2	0.00
14/05/2023 16:00	3.5	249	17	5.3	0.00
14/05/2023 16:10	3.5	245	19	4.7	0.00
14/05/2023 16:20	3.9	246	17	5.6	0.00
14/05/2023 16:30	3.7	246	15	5.1	0.00
14/05/2023 16:40	3.6	248	15	5.2	0.00
14/05/2023 16:50	3.5	247	16	4.9	0.00



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/05/2023 17:00	3.2	254	16	4.4	0.00
14/05/2023 17:10	3.1	249	18	4.7	0.00
14/05/2023 17:20	2.5	253	14	3.6	0.00
14/05/2023 17:30	2.9	251	17	4.1	0.00
14/05/2023 17:40	2.4	259	18	4.7	0.00
14/05/2023 17:50	2.2	254	18	3.2	0.00
14/05/2023 18:00	2.0	269	23	3.6	0.00
14/05/2023 18:10	1.9	258	22	2.8	0.00
14/05/2023 18:20	2.3	258	19	3.7	0.00
14/05/2023 18:30	2.0	260	14	2.8	0.00
14/05/2023 18:40	1.7	267	27	3.1	0.00
14/05/2023 18:50	1.6	271	30	2.8	0.00
14/05/2023 19:00	1.8	261	17	3.2	0.00
14/05/2023 19:10	1.7	270	20	2.4	0.00
14/05/2023 19:20	1.6	266	17	2.8	0.00
14/05/2023 19:30	1.8	272	16	3.0	0.00
14/05/2023 19:40	2.2	263	18	3.5	0.00
14/05/2023 19:50	2.2	265	19	3.2	0.00
14/05/2023 20:00	2.8	256	15	3.9	0.00
14/05/2023 20:10	2.3	255	21	3.4	0.00
14/05/2023 20:20	2.7	253	16	4.0	0.00
14/05/2023 20:30	2.0	252	18	3.0	0.00
14/05/2023 20:40	2.1	254	18	3.2	0.00
14/05/2023 20:50	2.0	252	19	3.1	0.00
14/05/2023 21:00	1.6	255	17	2.6	0.00
14/05/2023 21:10	1.4	255	16	2.2	0.00
14/05/2023 21:20	1.5	259	12	2.4	0.00
14/05/2023 21:30	1.2	235	25	1.9	0.00
14/05/2023 21:40	1.5	258	16	2.3	0.00
14/05/2023 21:50	1.6	262	16	2.2	0.00
14/05/2023 22:00	1.9	271	14	2.4	0.00
14/05/2023 22:10	1.6	280	23	2.4	0.00
14/05/2023 22:20	1.5	266	14	2.0	0.00
14/05/2023 22:30	1.7	268	13	2.4	0.00
14/05/2023 22:40	1.4	261	12	2.2	0.00
14/05/2023 22:50	1.0	288	16	1.6	0.00
14/05/2023 23:00	0.8	298	19	1.3	0.00
14/05/2023 23:10	0.6	319	28	1.1	0.00
14/05/2023 23:20	0.7	289	10	1.2	0.00
14/05/2023 23:30	1.2	267	20	1.5	0.00
14/05/2023 23:40	0.4	162	36	0.8	0.00
14/05/2023 23:50	0.1	277	5	0.6	0.00
15/05/2023 00:00					0.00
15/05/2023 00:10					0.00
15/05/2023 00:20	0.2	74	6	0.6	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/05/2023 00:30	0.7	108	32	1.5	0.00
15/05/2023 00:40	1.0	131	26	2.0	0.00
15/05/2023 00:50	0.9	98	28	1.5	0.00
15/05/2023 01:00	0.8	69	31	1.6	0.00
15/05/2023 01:10	1.1	89	28	2.1	0.00
15/05/2023 01:20	2.1	88	25	3.5	0.00
15/05/2023 01:30	1.6	98	29	2.8	0.00
15/05/2023 01:40	1.7	98	31	3.4	0.00
15/05/2023 01:50	2.6	90	30	5.4	0.00
15/05/2023 02:00	3.0	87	31	5.8	0.00
15/05/2023 02:10	2.6	90	26	4.6	0.00
15/05/2023 02:20	2.7	98	30	5.2	0.00
15/05/2023 02:30	3.0	89	26	5.2	0.00
15/05/2023 02:40	3.0	92	23	5.1	0.00
15/05/2023 02:50	3.5	83	24	5.8	0.00
15/05/2023 03:00	3.2	89	30	5.9	0.00
15/05/2023 03:10	3.8	86	22	7.2	0.00
15/05/2023 03:20	4.0	87	25	6.4	0.00
15/05/2023 03:30	4.0	81	20	6.3	0.00
15/05/2023 03:40	3.5	83	22	5.8	0.00
15/05/2023 03:50	3.5	83	23	5.6	0.00
15/05/2023 04:00	3.3	83	22	5.5	0.00
15/05/2023 04:10	3.3	87	22	5.7	0.00
15/05/2023 04:20	3.6	88	20	6.0	0.00
15/05/2023 04:30	3.4	87	24	5.1	0.00
15/05/2023 04:40	3.7	84	21	6.0	0.00
15/05/2023 04:50	3.7	86	21	6.3	0.00
15/05/2023 05:00	3.2	89	28	5.6	0.00
15/05/2023 05:10	3.7	87	24	5.8	0.00
15/05/2023 05:20	3.5	87	26	5.4	0.00
15/05/2023 05:30	3.6	88	24	6.2	0.00
15/05/2023 05:40	3.6	89	24	6.1	0.00
15/05/2023 05:50	3.5	92	28	5.0	0.00
15/05/2023 06:00	3.1	96	28	5.2	0.00
15/05/2023 06:10	3.2	88	26	5.2	0.00
15/05/2023 06:20	3.1	90	29	5.0	0.00
15/05/2023 06:30	3.0	93	27	5.2	0.00
15/05/2023 06:40	3.1	90	30	5.6	0.00
15/05/2023 06:50	3.2	91	27	5.6	0.00
15/05/2023 07:00	3.4	89	29	5.5	0.00
15/05/2023 07:10	3.3	91	28	6.2	0.00
15/05/2023 07:20	3.4	93	30	5.7	0.00
15/05/2023 07:30	3.6	90	23	6.2	0.00
15/05/2023 07:40	3.3	92	28	6.0	0.00
15/05/2023 07:50	3.4	96	32	6.0	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/05/2023 08:00	3.7	97	29	6.4	0.00
15/05/2023 08:10	3.3	98	30	5.6	0.00
15/05/2023 08:20	3.9	91	26	6.4	0.00
15/05/2023 08:30	4.6	88	22	7.1	0.00
15/05/2023 08:40	4.1	84	21	6.4	0.00
15/05/2023 08:50	4.1	91	27	6.9	0.00
15/05/2023 09:00	3.8	88	26	6.3	0.00
15/05/2023 09:10	4.0	88	27	7.2	0.00
15/05/2023 09:20	4.6	86	24	7.2	0.00
15/05/2023 09:30	4.4	84	22	6.8	0.00
15/05/2023 09:40	3.9	89	22	6.0	0.00
15/05/2023 09:50	3.8	90	24	6.8	0.00
15/05/2023 10:00	3.9	86	21	6.5	0.00
15/05/2023 10:10	3.6	85	25	5.6	0.00
15/05/2023 10:20	3.7	90	27	5.8	0.00
15/05/2023 10:30	3.4	92	25	5.2	0.00
15/05/2023 10:40	3.2	92	31	5.9	0.00
15/05/2023 10:50	3.8	80	24	6.1	0.00
15/05/2023 11:00	3.5	84	28	6.0	0.00
15/05/2023 11:10	4.0	82	21	5.8	0.00
15/05/2023 11:20	3.8	82	24	7.2	0.00
15/05/2023 11:30	3.5	88	22	6.0	0.00
15/05/2023 11:40	3.7	84	25	6.3	0.00
15/05/2023 11:50	3.6	75	22	5.8	0.00
15/05/2023 12:00	3.5	68	25	5.8	0.00
15/05/2023 12:10	3.2	72	23	5.1	0.00
15/05/2023 12:20	3.5	60	23	6.0	0.00
15/05/2023 12:30	3.3	63	23	5.9	0.00
15/05/2023 12:40	3.6	61	21	5.7	0.00
15/05/2023 12:50	3.4	62	20	5.6	0.00
15/05/2023 13:00	3.4	65	23	5.5	0.00
15/05/2023 13:10	3.5	60	24	6.2	0.00
15/05/2023 13:20	3.3	61	21	5.3	0.00
15/05/2023 13:30	3.4	64	22	5.1	0.00
15/05/2023 13:40	3.0	63	24	4.8	0.00
15/05/2023 13:50	3.2	62	23	5.4	0.00
15/05/2023 14:00	3.0	63	22	4.5	0.00
15/05/2023 14:10	3.0	62	23	5.1	0.00
15/05/2023 14:20	2.6	58	24	4.5	0.00
15/05/2023 14:30	3.1	56	23	4.6	0.00
15/05/2023 14:40	2.8	62	23	4.9	0.00
15/05/2023 14:50	2.8	64	26	4.9	0.00
15/05/2023 15:00	2.8	61	22	4.7	0.00
15/05/2023 15:10	2.5	64	24	4.2	0.00
15/05/2023 15:20	2.4	63	26	4.0	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/05/2023 15:30	2.3	53	22	3.9	0.00
15/05/2023 15:40	2.5	54	22	3.8	0.00
15/05/2023 15:50	2.3	58	23	3.6	0.00
15/05/2023 16:00	2.6	52	20	3.9	0.00
15/05/2023 16:10	2.5	50	21	4.0	0.00
15/05/2023 16:20	2.5	48	22	3.7	0.00
15/05/2023 16:30	2.4	44	18	3.9	0.00
15/05/2023 16:40	2.2	48	17	3.2	0.00
15/05/2023 16:50	2.1	50	18	3.1	0.00
15/05/2023 17:00	2.1	44	21	3.3	0.00
15/05/2023 17:10	2.2	45	20	3.2	0.00
15/05/2023 17:20	1.6	48	20	2.4	0.00
15/05/2023 17:30	1.5	36	19	2.1	0.00
15/05/2023 17:40	1.5	27	19	2.1	0.00
15/05/2023 17:50	1.6	30	19	2.4	0.00
15/05/2023 18:00	1.5	26	19	2.2	0.00
15/05/2023 18:10	1.3	26	18	1.8	0.00
15/05/2023 18:20	1.2	15	17	1.6	0.00
15/05/2023 18:30	1.2	9	19	1.8	0.00
15/05/2023 18:40	1.7	343	16	2.4	0.00
15/05/2023 18:50	2.0	343	15	2.8	0.00
15/05/2023 19:00	2.0	342	14	2.5	0.00
15/05/2023 19:10	1.7	343	19	2.3	0.00
15/05/2023 19:20	1.7	339	16	2.4	0.00
15/05/2023 19:30	1.6	346	28	2.8	0.00
15/05/2023 19:40	2.2	346	17	3.2	0.00
15/05/2023 19:50	1.9	347	26	2.8	0.00
15/05/2023 20:00	2.2	347	17	3.0	0.00
15/05/2023 20:10	2.5	344	16	3.5	0.00
15/05/2023 20:20	2.1	345	19	3.3	0.00
15/05/2023 20:30	1.9	336	23	3.0	0.00
15/05/2023 20:40	1.3	336	23	2.2	0.00
15/05/2023 20:50	0.8	341	44	1.3	0.00
15/05/2023 21:00	0.7	215	26	1.2	0.00
15/05/2023 21:10	0.5	245	9	1.3	0.00
15/05/2023 21:20	1.6	262	13	2.3	0.00
15/05/2023 21:30	1.8	262	13	2.4	0.00
15/05/2023 21:40	1.7	264	15	2.4	0.00
15/05/2023 21:50	1.3	275	19	2.2	0.00
15/05/2023 22:00	1.3	289	18	1.8	0.00
15/05/2023 22:10	1.2	272	22	1.8	0.00
15/05/2023 22:20	1.4	261	16	2.0	0.00
15/05/2023 22:30	1.5	269	17	2.0	0.00
15/05/2023 22:40	1.7	244	21	2.6	0.00
15/05/2023 22:50	0.7	225	21	1.6	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/05/2023 23:00	1.6	253	15	2.2	0.00
15/05/2023 23:10	1.6	267	15	2.3	0.00
15/05/2023 23:20	1.5	262	14	2.2	0.00
15/05/2023 23:30	1.5	267	15	2.1	0.00
15/05/2023 23:40	1.5	263	14	2.0	0.00
15/05/2023 23:50	1.6	258	14	2.2	0.00
16/05/2023 00:00	0.4	221	20	1.6	0.00
16/05/2023 00:10	0.2	266	34	0.8	0.00
16/05/2023 00:20	0.1	246	15	0.5	0.00
16/05/2023 00:30	0.3	302	19	0.8	0.00
16/05/2023 00:40	0.3	282	20	0.8	0.00
16/05/2023 00:50	0.2	174	10	0.8	0.00
16/05/2023 01:00	0.5	1	18	0.9	0.00
16/05/2023 01:10	0.8	337	20	1.3	0.00
16/05/2023 01:20					0.00
16/05/2023 01:30	0.2	358	6	0.6	0.00
16/05/2023 01:40	0.1	347	5	0.8	0.00
16/05/2023 01:50	0.3	226	6	1.0	0.00
16/05/2023 02:00	0.9	349	9	1.2	0.00
16/05/2023 02:10	0.5	178	11	0.8	0.00
16/05/2023 02:20	0.2	94	15	0.7	0.00
16/05/2023 02:30	0.4	325	8	0.8	0.00
16/05/2023 02:40	0.8	351	10	1.0	0.00
16/05/2023 02:50	0.7	40	17	1.2	0.00
16/05/2023 03:00	0.4	35	22	1.0	0.00
16/05/2023 03:10	0.2	22	14	0.8	0.00
16/05/2023 03:20	0.1	172	14	0.5	0.00
16/05/2023 03:30	0.1	188	6	0.6	0.00
16/05/2023 03:40	0.1	1	13	0.5	0.00
16/05/2023 03:50	0.2	303	12	0.6	0.00
16/05/2023 04:00	0.0	120	0	0.4	0.00
16/05/2023 04:10	0.0	130	0	0.4	0.00
16/05/2023 04:20	0.1	128	3	0.4	0.00
16/05/2023 04:30	0.1	159	10	0.5	0.00
16/05/2023 04:40	0.1	45	4	0.6	0.00
16/05/2023 04:50	0.1	18	9	0.6	0.00
16/05/2023 05:00	0.1	31	12	0.6	0.00
16/05/2023 05:10	0.0	268	0	0.4	0.00
16/05/2023 05:20	0.0	134	7	0.5	0.00
16/05/2023 05:30	0.1	66	11	0.5	0.00
16/05/2023 05:40	0.2	23	22	0.8	0.00
16/05/2023 05:50	0.2	36	20	0.7	0.00
16/05/2023 06:00	1.0	92	35	1.9	0.00
16/05/2023 06:10	1.1	101	29	1.9	0.00
16/05/2023 06:20	1.0	90	29	1.6	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/05/2023 06:30	0.9	87	35	1.7	0.00
16/05/2023 06:40	0.3	55	32	0.8	0.00
16/05/2023 06:50	0.4	76	27	1.2	0.00
16/05/2023 07:00	0.3	64	21	0.9	0.00
16/05/2023 07:10	0.4	68	27	1.2	0.00
16/05/2023 07:20	0.7	78	22	1.1	0.00
16/05/2023 07:30	0.9	98	22	1.2	0.00
16/05/2023 07:40	1.3	106	29	2.5	0.00
16/05/2023 07:50	1.5	104	27	2.4	0.00
16/05/2023 08:00	1.7	102	32	3.0	0.00
16/05/2023 08:10	1.8	101	32	2.8	0.00
16/05/2023 08:20	2.1	114	31	3.3	0.00
16/05/2023 08:30	2.0	108	35	3.2	0.00
16/05/2023 08:40	2.2	116	29	3.5	0.00
16/05/2023 08:50	1.9	120	31	3.4	0.00
16/05/2023 09:00	1.8	123	35	3.5	0.00
16/05/2023 09:10	2.0	125	30	3.2	0.00
16/05/2023 09:20	1.9	121	29	3.1	0.00
16/05/2023 09:30	1.8	106	34	2.9	0.00
16/05/2023 09:40	2.0	125	34	3.4	0.00
16/05/2023 09:50	1.9	119	33	3.1	0.00
16/05/2023 10:00	1.8	122	40	3.6	0.00
16/05/2023 10:10	1.8	131	32	2.8	0.00
16/05/2023 10:20	1.7	127	35	2.8	0.00
16/05/2023 10:30	1.9	126	33	2.9	0.00
16/05/2023 10:40	1.7	113	30	3.2	0.00
16/05/2023 10:50	1.9	109	30	2.9	0.00
16/05/2023 11:00	1.8	95	27	3.6	0.00
16/05/2023 11:10	2.1	99	28	3.4	0.00
16/05/2023 11:20	2.1	92	28	3.6	0.00
16/05/2023 11:30	2.2	76	25	3.2	0.00
16/05/2023 11:40	2.3	72	26	3.6	0.00
16/05/2023 11:50	2.4	58	24	3.7	0.00
16/05/2023 12:00	2.5	62	24	3.7	0.00
16/05/2023 12:10	2.1	58	26	3.4	0.00
16/05/2023 12:20	2.1	59	23	3.0	0.00
16/05/2023 12:30	1.7	68	27	3.2	0.00
16/05/2023 12:40	1.9	70	27	3.3	0.00
16/05/2023 12:50	2.0	70	28	3.2	0.00
16/05/2023 13:00	2.0	60	22	2.9	0.00
16/05/2023 13:10	1.8	64	40	3.0	0.00
16/05/2023 13:20	1.6	53	40	2.8	0.00
16/05/2023 13:30	1.5	68	32	2.8	0.00
16/05/2023 13:40	1.5	55	44	2.4	0.00
16/05/2023 13:50	1.7	43	38	2.8	0.00





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/05/2023 14:00	1.6	48	36	2.3	0.00
16/05/2023 14:10	1.0	41	40	1.7	0.00
16/05/2023 14:20	1.4	64	41	2.8	0.00
16/05/2023 14:30	1.5	42	43	2.8	0.00
16/05/2023 14:40	1.6	54	42	2.8	0.00
16/05/2023 14:50	1.7	52	37	3.0	0.00
16/05/2023 15:00	1.9	58	29	2.9	0.00
16/05/2023 15:10	2.3	50	21	3.6	0.00
16/05/2023 15:20	2.4	55	25	3.7	0.00
16/05/2023 15:30	2.0	53	26	3.3	0.00
16/05/2023 15:40	1.9	56	26	3.0	0.00
16/05/2023 15:50	2.1	60	22	3.5	0.00
16/05/2023 16:00	1.8	68	28	3.1	0.00
16/05/2023 16:10	1.8	55	24	2.8	0.00
16/05/2023 16:20	1.6	58	25	2.6	0.00
16/05/2023 16:30	2.1	50	21	3.5	0.00
16/05/2023 16:40	1.6	50	26	2.6	0.00
16/05/2023 16:50	1.5	50	21	2.3	0.00
16/05/2023 17:00	1.4	45	25	2.1	0.00
16/05/2023 17:10	1.1	42	22	1.9	0.00
16/05/2023 17:20	1.1	45	21	1.7	0.00
16/05/2023 17:30	0.9	30	28	1.5	0.00
16/05/2023 17:40	0.9	27	28	1.8	0.00
16/05/2023 17:50	1.1	28	24	1.6	0.00
16/05/2023 18:00	0.8	33	22	1.6	0.00
16/05/2023 18:10	0.3	174	17	0.9	0.00
16/05/2023 18:20	0.1	182	17	0.7	0.00
16/05/2023 18:30	0.3	21	21	0.8	0.00
16/05/2023 18:40	0.5	184	17	0.9	0.00
16/05/2023 18:50	0.4	171	14	1.0	0.00
16/05/2023 19:00	0.7	285	32	1.2	0.00
16/05/2023 19:10	1.3	255	15	2.0	0.00
16/05/2023 19:20	1.2	257	11	1.6	0.00
16/05/2023 19:30	1.0	259	10	1.5	0.00
16/05/2023 19:40	1.3	264	12	1.6	0.00
16/05/2023 19:50	1.7	257	10	2.2	0.00
16/05/2023 20:00	1.4	260	13	2.0	0.00
16/05/2023 20:10	1.6	260	17	2.4	0.00
16/05/2023 20:20	1.6	262	13	2.2	0.00
16/05/2023 20:30	1.6	260	12	2.0	0.00
16/05/2023 20:40	1.6	258	10	2.0	0.00
16/05/2023 20:50	1.3	280	19	1.8	0.00
16/05/2023 21:00	1.4	261	9	2.0	0.00
16/05/2023 21:10	1.3	256	11	1.7	0.00
16/05/2023 21:20	1.6	258	9	2.1	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/05/2023 21:30	1.6	259	12	2.4	0.00
16/05/2023 21:40	1.9	256	11	2.4	0.00
16/05/2023 21:50	1.8	266	14	2.5	0.00
16/05/2023 22:00	1.6	262	15	2.4	0.00
16/05/2023 22:10	1.9	261	17	2.6	0.00
16/05/2023 22:20	1.8	259	14	2.6	0.00
16/05/2023 22:30	2.2	259	13	3.0	0.00
16/05/2023 22:40	2.2	260	12	3.1	0.00
16/05/2023 22:50	1.9	254	15	3.0	0.00
16/05/2023 23:00	2.0	246	18	3.1	0.00
16/05/2023 23:10	2.1	245	15	2.8	0.00
16/05/2023 23:20	2.1	251	16	2.9	0.00
16/05/2023 23:30	2.4	249	15	3.2	0.00
16/05/2023 23:40	2.3	254	13	3.4	0.00
16/05/2023 23:50	2.4	250	17	3.2	0.00
17/05/2023 00:00	2.2	259	15	3.2	0.00
17/05/2023 00:10	2.2	266	18	3.2	0.00
17/05/2023 00:20	2.3	262	14	3.2	0.00
17/05/2023 00:30	2.5	260	15	3.3	0.00
17/05/2023 00:40	2.2	258	17	3.2	0.00
17/05/2023 00:50	2.0	248	17	2.9	0.00
17/05/2023 01:00	1.3	234	19	2.4	0.00
17/05/2023 01:10	1.1	238	21	1.6	0.00
17/05/2023 01:20	0.9	251	22	1.3	0.00
17/05/2023 01:30	1.0	271	15	1.5	0.00
17/05/2023 01:40	1.1	261	14	1.6	0.00
17/05/2023 01:50	0.4	199	48	1.0	0.00
17/05/2023 02:00	0.8	217	66	1.4	0.00
17/05/2023 02:10	0.8	167	46	2.0	0.00
17/05/2023 02:20	0.6	169	48	1.2	0.00
17/05/2023 02:30	0.4	135	24	0.9	0.00
17/05/2023 02:40	0.3	50	33	1.0	0.00
17/05/2023 02:50	0.4	180	62	1.5	0.00
17/05/2023 03:00	0.5	246	60	1.5	0.00
17/05/2023 03:10	0.4	13	41	1.1	0.00
17/05/2023 03:20	0.9	205	73	1.6	0.00
17/05/2023 03:30	0.9	224	68	1.7	0.00
17/05/2023 03:40	1.1	233	59	2.2	0.00
17/05/2023 03:50	0.9	238	48	1.9	0.00
17/05/2023 04:00	1.2	232	35	2.6	0.00
17/05/2023 04:10	1.4	221	63	2.5	0.00
17/05/2023 04:20	0.8	262	77	1.5	0.00
17/05/2023 04:30	0.5	253	58	1.3	0.00
17/05/2023 04:40	0.8	158	55	1.6	0.00
17/05/2023 04:50	1.0	165	73	2.0	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/05/2023 05:00	0.9	141	48	1.4	0.00
17/05/2023 05:10	1.1	132	55	2.1	0.00
17/05/2023 05:20	1.2	169	43	2.1	0.00
17/05/2023 05:30	1.0	123	62	2.1	0.00
17/05/2023 05:40	0.9	180	83	2.0	0.00
17/05/2023 05:50	0.8	188	34	1.3	0.00
17/05/2023 06:00	0.9	80	67	1.8	0.00
17/05/2023 06:10	0.9	33	42	1.7	0.00
17/05/2023 06:20	0.8	18	40	1.3	0.00
17/05/2023 06:30	0.6	180	36	1.0	0.00
17/05/2023 06:40	0.7	19	46	1.4	0.00
17/05/2023 06:50	0.7	247	57	1.6	0.00
17/05/2023 07:00	0.9	140	43	1.6	0.00
17/05/2023 07:10	0.8	189	44	1.5	0.00
17/05/2023 07:20	1.0	182	33	1.5	0.00
17/05/2023 07:30	1.0	52	31	1.7	0.00
17/05/2023 07:40	0.9	35	23	1.6	0.00
17/05/2023 07:50	0.8	69	30	1.5	0.00
17/05/2023 08:00	0.8	94	40	1.2	0.00
17/05/2023 08:10	0.7	95	29	1.3	0.00
17/05/2023 08:20	0.6	91	23	1.2	0.00
17/05/2023 08:30	1.0	121	29	1.7	0.00
17/05/2023 08:40	1.0	117	31	2.0	0.00
17/05/2023 08:50	1.2	136	30	2.0	0.00
17/05/2023 09:00	1.2	133	32	1.9	0.00
17/05/2023 09:10	1.3	132	35	2.0	0.00
17/05/2023 09:20	1.5	112	25	2.5	0.00
17/05/2023 09:30	1.7	109	31	3.1	0.00
17/05/2023 09:40	1.5	121	30	2.4	0.00
17/05/2023 09:50	1.5	140	32	2.4	0.00
17/05/2023 10:00	1.9	126	26	2.9	0.00
17/05/2023 10:10	2.0	116	32	3.4	0.00
17/05/2023 10:20	2.3	97	30	3.7	0.00
17/05/2023 10:30	2.4	83	32	4.4	0.00
17/05/2023 10:40	2.9	97	29	4.8	0.00
17/05/2023 10:50	3.0	88	26	5.2	0.00
17/05/2023 11:00	3.1	92	25	5.0	0.00
17/05/2023 11:10	2.8	91	32	4.7	0.00
17/05/2023 11:20	2.7	79	25	4.6	0.00
17/05/2023 11:30	2.9	75	21	5.0	0.00
17/05/2023 11:40	3.2	80	29	5.1	0.00
17/05/2023 11:50	3.0	83	27	4.8	0.00
17/05/2023 12:00	3.1	86	25	5.0	0.00
17/05/2023 12:10	3.0	85	24	4.9	0.00
17/05/2023 12:20	3.0	91	30	4.8	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/05/2023 12:30	3.0	92	30	5.2	0.00
17/05/2023 12:40	3.0	86	25	4.4	0.00
17/05/2023 12:50	3.0	89	25	5.2	0.00
17/05/2023 13:00	3.0	90	25	5.0	0.00
17/05/2023 13:10	2.8	90	29	4.9	0.00
17/05/2023 13:20	2.9	89	28	4.6	0.00
17/05/2023 13:30	2.7	95	30	4.3	0.00
17/05/2023 13:40	2.5	75	24	4.4	0.00
17/05/2023 13:50	2.9	63	22	4.6	0.00
17/05/2023 14:00	2.9	64	20	4.6	0.00
17/05/2023 14:10	2.7	60	22	4.4	0.00
17/05/2023 14:20	2.8	64	24	4.5	0.00
17/05/2023 14:30	2.9	67	22	4.7	0.00
17/05/2023 14:40	2.8	65	26	4.5	0.00
17/05/2023 14:50	2.6	73	24	3.6	0.00
17/05/2023 15:00	2.2	64	25	3.3	0.00
17/05/2023 15:10	2.2	61	24	3.2	0.00
17/05/2023 15:20	2.4	67	31	3.7	0.00
17/05/2023 15:30	2.1	61	26	3.8	0.00
17/05/2023 15:40	2.2	59	28	3.4	0.00
17/05/2023 15:50	2.1	68	24	3.2	0.00
17/05/2023 16:00	1.8	65	24	3.1	0.00
17/05/2023 16:10	1.8	64	22	3.0	0.00
17/05/2023 16:20	1.7	59	24	2.8	0.00
17/05/2023 16:30	1.7	71	26	2.6	0.00
17/05/2023 16:40	1.6	61	22	2.6	0.00
17/05/2023 16:50	1.7	61	22	2.5	0.00
17/05/2023 17:00	1.6	52	22	2.3	0.00
17/05/2023 17:10	2.1	45	18	3.6	0.00
17/05/2023 17:20	1.8	50	17	2.8	0.00
17/05/2023 17:30	1.4	48	17	2.2	0.00
17/05/2023 17:40	1.4	40	19	2.2	0.00
17/05/2023 17:50	1.2	51	15	2.0	0.00
17/05/2023 18:00	0.4	65	9	0.8	0.00
17/05/2023 18:10	0.3	257	11	0.9	0.00
17/05/2023 18:20	0.4	249	7	0.8	0.00
17/05/2023 18:30	0.3	237	8	0.8	0.00
17/05/2023 18:40	0.6	27	11	1.1	0.00
17/05/2023 18:50	0.4	30	8	0.9	0.00
17/05/2023 19:00	0.1	203	11	0.6	0.00
17/05/2023 19:10	0.6	243	10	1.0	0.00
17/05/2023 19:20					0.00
17/05/2023 19:30	0.3	175	11	0.8	0.00
17/05/2023 19:40	0.2	17	10	0.9	0.00
17/05/2023 19:50	0.0	231	0	0.4	0.00



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/05/2023 20:00					0.00
17/05/2023 20:10	0.4	37	10	0.8	0.00
17/05/2023 20:20	0.5	35	9	1.0	0.00
17/05/2023 20:30					0.00
17/05/2023 20:40	0.2	31	2	0.7	0.00
17/05/2023 20:50	0.8	28	7	0.9	0.00
17/05/2023 21:00	0.8	28	11	1.1	0.00
17/05/2023 21:10	0.7	19	12	1.0	0.00
17/05/2023 21:20	0.2	39	11	0.8	0.00
17/05/2023 21:30	0.8	29	16	1.3	0.00
17/05/2023 21:40	0.4	74	32	1.2	0.00
17/05/2023 21:50	0.3	18	20	0.8	0.00
17/05/2023 22:00	0.1	26	10	0.7	0.00
17/05/2023 22:10	0.5	182	13	0.8	0.00
17/05/2023 22:20	0.4	7	13	1.1	0.00
17/05/2023 22:30	0.5	7	15	1.0	0.00
17/05/2023 22:40	0.2	24	6	0.8	0.00
17/05/2023 22:50	0.3	18	7	0.7	0.00
17/05/2023 23:00	0.2	14	5	0.7	0.00
17/05/2023 23:10					0.00
17/05/2023 23:20	0.2	5	4	0.9	0.00
17/05/2023 23:30					0.00
17/05/2023 23:40					0.00
17/05/2023 23:50					0.00
18/05/2023 00:00					0.00
18/05/2023 00:10					0.00
18/05/2023 00:20	0.1	57	6	0.9	0.00
18/05/2023 00:30					0.00
18/05/2023 00:40	0.3	15	10	0.8	0.00
18/05/2023 00:50	0.1	30	5	0.7	0.00
18/05/2023 01:00	0.3	28	13	0.8	0.00
18/05/2023 01:10	0.5	45	26	1.1	0.00
18/05/2023 01:20	0.2	48	13	0.7	0.00
18/05/2023 01:30	0.1	85	17	0.7	0.00
18/05/2023 01:40	0.1	84	10	0.8	0.00
18/05/2023 01:50	0.3	173	17	0.8	0.00
18/05/2023 02:00	0.4	87	25	0.9	0.00
18/05/2023 02:10	0.4	130	21	1.2	0.00
18/05/2023 02:20	0.4	199	21	1.5	0.00
18/05/2023 02:30	0.4	89	17	1.4	0.00
18/05/2023 02:40	0.3	59	26	0.9	0.00
18/05/2023 02:50	0.5	49	32	1.2	0.00
18/05/2023 03:00	0.2	177	23	0.8	0.00
18/05/2023 03:10	0.5	49	28	1.3	0.00
18/05/2023 03:20	0.5	88	35	1.4	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/05/2023 03:30	0.7	77	26	1.6	0.00
18/05/2023 03:40	0.9	77	25	2.3	0.00
18/05/2023 03:50	1.3	81	22	2.3	0.00
18/05/2023 04:00	0.9	58	27	1.7	0.00
18/05/2023 04:10	0.6	35	25	1.1	0.00
18/05/2023 04:20	0.8	64	25	1.5	0.00
18/05/2023 04:30	1.3	75	21	2.0	0.00
18/05/2023 04:40	0.9	57	29	1.8	0.00
18/05/2023 04:50	0.6	49	29	1.3	0.00
18/05/2023 05:00	0.4	52	21	0.9	0.00
18/05/2023 05:10	0.9	79	28	1.5	0.00
18/05/2023 05:20	1.1	96	25	2.1	0.00
18/05/2023 05:30	1.1	100	27	1.5	0.00
18/05/2023 05:40	1.1	95	30	1.6	0.00
18/05/2023 05:50	1.0	102	33	1.9	0.00
18/05/2023 06:00	1.1	90	27	2.0	0.00
18/05/2023 06:10	1.4	101	30	2.4	0.00
18/05/2023 06:20	1.5	104	33	2.4	0.00
18/05/2023 06:30	1.5	98	30	2.6	0.00
18/05/2023 06:40	1.9	91	26	3.3	0.00
18/05/2023 06:50	1.7	92	23	2.6	0.00
18/05/2023 07:00	1.9	97	29	3.5	0.00
18/05/2023 07:10	1.8	98	32	3.3	0.00
18/05/2023 07:20	1.7	98	30	2.8	0.00
18/05/2023 07:30	1.8	95	30	3.5	0.00
18/05/2023 07:40	2.1	95	31	3.2	0.00
18/05/2023 07:50	2.0	98	24	3.4	0.00
18/05/2023 08:00	2.1	100	31	3.9	0.00
18/05/2023 08:10	2.3	100	32	3.6	0.00
18/05/2023 08:20	2.3	102	28	4.5	0.00
18/05/2023 08:30	2.2	105	27	4.0	0.00
18/05/2023 08:40	2.3	96	33	3.6	0.00
18/05/2023 08:50	3.0	88	20	5.1	0.00
18/05/2023 09:00	3.6	90	23	6.6	0.00
18/05/2023 09:10	3.5	89	23	6.2	0.00
18/05/2023 09:20	3.5	93	29	6.1	0.00
18/05/2023 09:30	3.2	97	28	5.3	0.00
18/05/2023 09:40	3.4	85	27	5.3	0.00
18/05/2023 09:50	3.6	82	27	5.6	0.00
18/05/2023 10:00	3.6	87	29	6.5	0.00
18/05/2023 10:10	3.7	76	19	6.3	0.00
18/05/2023 10:20	3.7	79	24	5.8	0.00
18/05/2023 10:30	3.8	81	21	6.5	0.00
18/05/2023 10:40	3.8	80	27	6.0	0.00
18/05/2023 10:50	3.7	63	28	5.9	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/05/2023 11:00	3.7	67	26	6.2	0.00
18/05/2023 11:10	4.0	66	22	6.7	0.00
18/05/2023 11:20	3.7	72	24	6.1	0.00
18/05/2023 11:30	3.6	65	24	6.3	0.00
18/05/2023 11:40	3.3	66	25	5.6	0.00
18/05/2023 11:50	3.2	67	20	5.4	0.00
18/05/2023 12:00	3.4	68	22	5.4	0.00
18/05/2023 12:10	3.4	68	22	5.6	0.00
18/05/2023 12:20	3.8	69	20	6.3	0.00
18/05/2023 12:30	3.9	62	23	6.3	0.00
18/05/2023 12:40	3.6	65	25	5.7	0.00
18/05/2023 12:50	4.0	68	26	7.2	0.00
18/05/2023 13:00	4.1	68	24	6.6	0.00
18/05/2023 13:10	3.8	63	23	6.0	0.00
18/05/2023 13:20	3.6	68	21	6.0	0.00
18/05/2023 13:30	3.8	67	20	6.3	0.00
18/05/2023 13:40	3.9	68	21	5.9	0.00
18/05/2023 13:50	3.8	64	23	5.7	0.00
18/05/2023 14:00	3.5	68	24	5.2	0.00
18/05/2023 14:10	3.5	69	24	5.7	0.00
18/05/2023 14:20	3.6	71	24	5.2	0.00
18/05/2023 14:30	3.7	66	23	6.0	0.00
18/05/2023 14:40	3.3	67	22	5.6	0.00
18/05/2023 14:50	3.5	66	24	5.2	0.00
18/05/2023 15:00	3.6	67	21	6.0	0.00
18/05/2023 15:10	3.6	64	25	5.8	0.00
18/05/2023 15:20	3.4	69	25	5.2	0.00
18/05/2023 15:30	3.4	67	23	5.5	0.00
18/05/2023 15:40	3.2	65	23	5.7	0.00
18/05/2023 15:50	3.1	68	26	5.0	0.00
18/05/2023 16:00	3.1	70	22	5.0	0.00
18/05/2023 16:10	2.9	68	22	4.8	0.00
18/05/2023 16:20	2.6	58	24	4.5	0.00
18/05/2023 16:30	3.0	54	20	5.2	0.00
18/05/2023 16:40	2.8	56	24	4.3	0.00
18/05/2023 16:50	2.8	57	25	4.8	0.00
18/05/2023 17:00	2.8	49	21	4.5	0.00
18/05/2023 17:10	2.4	47	20	3.9	0.00
18/05/2023 17:20	2.8	48	21	4.4	0.00
18/05/2023 17:30	3.0	44	17	4.8	0.00
18/05/2023 17:40	2.7	47	21	4.3	0.00
18/05/2023 17:50	2.8	46	19	4.8	0.00
18/05/2023 18:00	2.5	44	23	3.6	0.00
18/05/2023 18:10	2.4	47	21	3.6	0.00
18/05/2023 18:20	2.3	49	18	3.7	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/05/2023 18:30	2.4	45	18	3.9	0.00
18/05/2023 18:40	2.3	43	21	3.8	0.00
18/05/2023 18:50	2.3	48	18	4.0	0.00
18/05/2023 19:00	2.2	44	19	3.5	0.00
18/05/2023 19:10	2.2	45	20	3.7	0.00
18/05/2023 19:20	2.0	44	16	2.9	0.00
18/05/2023 19:30	1.9	44	20	3.0	0.00
18/05/2023 19:40	1.6	39	22	2.7	0.00
18/05/2023 19:50	1.4	44	18	2.1	0.00
18/05/2023 20:00	1.5	45	19	2.3	0.00
18/05/2023 20:10	1.4	45	15	2.4	0.00
18/05/2023 20:20	1.3	44	18	1.9	0.00
18/05/2023 20:30	0.7	30	20	1.2	0.00
18/05/2023 20:40	0.6	17	19	1.0	0.00
18/05/2023 20:50	0.8	26	17	1.2	0.00
18/05/2023 21:00	0.7	29	14	1.0	0.00
18/05/2023 21:10	0.3	25	13	0.8	0.00
18/05/2023 21:20	0.6	28	17	0.9	0.00
18/05/2023 21:30	0.6	38	24	1.2	0.00
18/05/2023 21:40	0.6	67	20	1.3	0.00
18/05/2023 21:50	0.5	56	17	1.3	0.00
18/05/2023 22:00	0.6	67	23	1.5	0.00
18/05/2023 22:10	0.5	74	18	1.2	0.00
18/05/2023 22:20	0.3	110	15	0.8	0.00
18/05/2023 22:30	0.2	90	15	0.8	0.00
18/05/2023 22:40	0.4	18	14	0.9	0.00
18/05/2023 22:50	0.6	3	20	0.9	0.00
18/05/2023 23:00	0.7	185	18	1.1	0.00
18/05/2023 23:10	1.0	15	18	1.4	0.00
18/05/2023 23:20	1.1	23	23	1.4	0.00
18/05/2023 23:30	0.7	49	29	1.2	0.00
18/05/2023 23:40	0.8	25	27	1.4	0.00
18/05/2023 23:50	0.9	180	20	1.5	0.00
19/05/2023 00:00	0.2	112	9	0.8	0.00
19/05/2023 00:10	0.0	4	0	0.4	0.00
19/05/2023 00:20	0.1	354	8	0.5	0.00
19/05/2023 00:30	0.2	175	7	0.8	0.00
19/05/2023 00:40	0.6	178	16	1.0	0.00
19/05/2023 00:50	0.4	184	13	0.9	0.00
19/05/2023 01:00	0.6	44	25	1.2	0.00
19/05/2023 01:10	0.7	92	47	1.8	0.00
19/05/2023 01:20	0.7	74	33	1.6	0.00
19/05/2023 01:30	0.9	32	31	1.6	0.00
19/05/2023 01:40	1.3	89	46	2.3	0.00
19/05/2023 01:50	1.1	117	44	2.0	0.00





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/05/2023 02:00	0.2	78	31	0.7	0.00
19/05/2023 02:10	0.0	139	0	0.4	0.00
19/05/2023 02:20	0.3	92	38	1.1	0.00
19/05/2023 02:30	0.3	100	14	1.7	0.00
19/05/2023 02:40	0.6	107	31	1.4	0.00
19/05/2023 02:50	1.0	116	45	1.9	0.00
19/05/2023 03:00	1.1	122	40	2.1	0.00
19/05/2023 03:10	0.8	100	36	1.9	0.00
19/05/2023 03:20	0.7	87	26	1.3	0.00
19/05/2023 03:30	0.6	76	31	1.1	0.00
19/05/2023 03:40	0.7	80	24	1.4	0.00
19/05/2023 03:50	0.9	89	29	1.9	0.00
19/05/2023 04:00	0.5	123	34	1.2	0.00
19/05/2023 04:10	0.4	106	32	1.5	0.00
19/05/2023 04:20	0.6	81	40	1.2	0.00
19/05/2023 04:30	1.0	91	27	2.0	0.00
19/05/2023 04:40	1.2	96	31	2.1	0.00
19/05/2023 04:50	0.7	85	43	1.6	0.00
19/05/2023 05:00	0.8	97	35	1.6	0.00
19/05/2023 05:10	0.6	106	32	1.2	0.00
19/05/2023 05:20	0.4	122	29	1.6	0.00
19/05/2023 05:30	0.3	104	37	0.9	0.00
19/05/2023 05:40	0.6	103	33	1.7	0.00
19/05/2023 05:50	0.7	91	35	1.3	0.00
19/05/2023 06:00	0.9	95	39	2.1	0.00
19/05/2023 06:10	0.6	80	39	1.4	0.00
19/05/2023 06:20	1.1	88	31	2.4	0.00
19/05/2023 06:30	1.4	90	34	2.5	0.00
19/05/2023 06:40	1.7	92	29	3.1	0.00
19/05/2023 06:50	1.5	96	34	3.1	0.00
19/05/2023 07:00	1.5	97	25	2.9	0.00
19/05/2023 07:10	1.6	90	28	2.8	0.00
19/05/2023 07:20	1.7	99	31	3.1	0.00
19/05/2023 07:30	1.9	100	29	3.2	0.00
19/05/2023 07:40	1.6	103	34	3.2	0.00
19/05/2023 07:50	1.9	106	31	3.4	0.00
19/05/2023 08:00	2.1	106	38	3.7	0.00
19/05/2023 08:10	2.4	111	39	4.1	0.00
19/05/2023 08:20	2.3	110	33	3.8	0.00
19/05/2023 08:30	2.3	113	33	3.9	0.00
19/05/2023 08:40	2.3	112	31	4.0	0.00
19/05/2023 08:50	2.9	97	27	5.2	0.00
19/05/2023 09:00	2.9	100	34	5.2	0.00
19/05/2023 09:10	2.6	100	31	4.0	0.00
19/05/2023 09:20	2.9	98	34	5.0	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/05/2023 09:30	3.5	88	21	6.0	0.00
19/05/2023 09:40	4.1	88	23	6.1	0.00
19/05/2023 09:50	3.7	90	25	6.5	0.00
19/05/2023 10:00	3.8	90	27	6.5	0.00
19/05/2023 10:10	4.2	90	24	7.3	0.00
19/05/2023 10:20	4.1	86	25	6.8	0.00
19/05/2023 10:30	3.5	90	29	5.5	0.00
19/05/2023 10:40	3.1	85	22	4.8	0.00
19/05/2023 10:50	3.6	94	34	5.9	0.00
19/05/2023 11:00	3.3	90	33	5.6	0.00
19/05/2023 11:10	3.2	77	23	5.3	0.00
19/05/2023 11:20	3.2	81	22	4.9	0.00
19/05/2023 11:30	3.7	78	24	6.2	0.00
19/05/2023 11:40	3.6	71	25	5.7	0.00
19/05/2023 11:50	3.7	72	28	5.8	0.00
19/05/2023 12:00	3.3	77	29	6.1	0.00
19/05/2023 12:10	3.6	81	30	5.9	0.00
19/05/2023 12:20	3.1	88	31	5.6	0.00
19/05/2023 12:30	3.7	84	24	6.0	0.00
19/05/2023 12:40	3.3	64	21	5.8	0.00
19/05/2023 12:50	3.3	63	22	5.4	0.00
19/05/2023 13:00	3.3	65	22	5.2	0.00
19/05/2023 13:10	3.2	63	25	5.6	0.00
19/05/2023 13:20	3.2	63	23	5.8	0.00
19/05/2023 13:30	3.0	59	25	5.4	0.00
19/05/2023 13:40	3.3	62	22	5.8	0.00
19/05/2023 13:50	3.4	67	24	5.7	0.00
19/05/2023 14:00	3.3	64	24	5.0	0.00
19/05/2023 14:10	3.4	65	25	6.0	0.00
19/05/2023 14:20	2.7	61	22	4.8	0.00
19/05/2023 14:30	2.7	54	22	4.6	0.00
19/05/2023 14:40	3.2	49	22	5.1	0.00
19/05/2023 14:50	3.0	51	24	4.8	0.00
19/05/2023 15:00	3.2	55	21	4.8	0.00
19/05/2023 15:10	3.1	49	23	5.3	0.00
19/05/2023 15:20	2.8	55	23	4.7	0.00
19/05/2023 15:30	3.1	50	24	5.2	0.00
19/05/2023 15:40	3.7	52	20	5.9	0.00
19/05/2023 15:50	3.2	62	19	5.2	0.00
19/05/2023 16:00	3.0	54	21	4.8	0.00
19/05/2023 16:10	2.9	52	21	4.4	0.00
19/05/2023 16:20	2.8	55	23	4.4	0.00
19/05/2023 16:30	2.8	51	21	4.3	0.00
19/05/2023 16:40	2.9	45	22	4.6	0.00
19/05/2023 16:50	3.0	49	19	4.5	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/05/2023 17:00	2.7	53	20	4.4	0.00
19/05/2023 17:10	2.7	51	19	4.4	0.00
19/05/2023 17:20	1.9	44	20	3.0	0.00
19/05/2023 17:30	2.2	46	19	3.6	0.00
19/05/2023 17:40	2.0	40	19	2.9	0.00
19/05/2023 17:50	1.9	48	21	2.8	0.00
19/05/2023 18:00	1.9	41	20	3.1	0.00
19/05/2023 18:10	1.8	35	21	3.1	0.00
19/05/2023 18:20	1.7	40	24	2.8	0.00
19/05/2023 18:30	1.6	40	20	2.5	0.00
19/05/2023 18:40	1.9	37	19	3.1	0.00
19/05/2023 18:50	1.9	37	18	2.8	0.00
19/05/2023 19:00	1.7	37	21	2.6	0.00
19/05/2023 19:10	1.8	34	18	2.5	0.00
19/05/2023 19:20	1.7	38	21	2.6	0.00
19/05/2023 19:30	1.5	37	18	2.4	0.00
19/05/2023 19:40	1.6	35	16	2.4	0.00
19/05/2023 19:50	1.3	34	18	2.0	0.00
19/05/2023 20:00	1.5	36	17	2.0	0.00
19/05/2023 20:10	1.3	32	17	1.8	0.00
19/05/2023 20:20	0.7	39	17	1.5	0.00
19/05/2023 20:30	1.1	32	16	1.5	0.00
19/05/2023 20:40	1.2	23	16	1.6	0.00
19/05/2023 20:50	1.2	29	19	1.7	0.00
19/05/2023 21:00	1.0	30	18	1.5	0.00
19/05/2023 21:10	0.4	55	14	1.1	0.00
19/05/2023 21:20	0.8	33	17	1.2	0.00
19/05/2023 21:30	1.0	40	22	1.6	0.00
19/05/2023 21:40	0.0	34	0	0.4	0.00
19/05/2023 21:50	0.5	20	10	0.8	0.00
19/05/2023 22:00	0.7	15	13	1.1	0.00
19/05/2023 22:10	0.2	13	10	0.8	0.00
19/05/2023 22:20	0.3	352	6	0.8	0.00
19/05/2023 22:30	0.3	17	13	0.8	0.00
19/05/2023 22:40	0.0	21	0	0.4	0.00
19/05/2023 22:50					0.00
19/05/2023 23:00	0.2	37	14	0.7	0.00
19/05/2023 23:10	0.1	40	9	0.5	0.00
19/05/2023 23:20	0.1	31	11	0.5	0.00
19/05/2023 23:30	0.1	86	15	0.6	0.00
19/05/2023 23:40	0.1	53	8	0.7	0.00
19/05/2023 23:50	0.2	75	16	0.8	0.00
20/05/2023 00:00	0.1	85	19	0.8	0.00
20/05/2023 00:10	0.2	97	19	0.8	0.00
20/05/2023 00:20	0.1	76	11	0.6	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/05/2023 00:30	0.1	46	9	0.6	0.00
20/05/2023 00:40	0.1	44	16	0.7	0.00
20/05/2023 00:50	0.1	97	14	0.8	0.00
20/05/2023 01:00	0.1	62	14	0.6	0.00
20/05/2023 01:10	0.1	96	11	0.6	0.00
20/05/2023 01:20	0.2	57	21	0.8	0.00
20/05/2023 01:30	0.4	76	21	1.2	0.00
20/05/2023 01:40	0.5	76	25	1.2	0.00
20/05/2023 01:50	0.7	92	22	1.3	0.00
20/05/2023 02:00	0.7	100	35	1.6	0.00
20/05/2023 02:10	1.0	85	28	1.8	0.00
20/05/2023 02:20	1.2	84	23	2.1	0.00
20/05/2023 02:30	1.5	86	28	2.4	0.00
20/05/2023 02:40	1.3	94	38	2.4	0.00
20/05/2023 02:50	1.3	92	35	3.1	0.00
20/05/2023 03:00	1.4	91	31	2.0	0.00
20/05/2023 03:10	1.6	92	25	2.8	0.00
20/05/2023 03:20	1.6	93	28	2.8	0.00
20/05/2023 03:30	1.9	101	39	3.9	0.00
20/05/2023 03:40	2.0	105	33	3.2	0.00
20/05/2023 03:50	2.0	95	32	3.2	0.00
20/05/2023 04:00	1.9	95	26	3.9	0.00
20/05/2023 04:10	2.2	113	37	4.0	0.00
20/05/2023 04:20	2.3	104	31	3.7	0.00
20/05/2023 04:30	2.6	111	32	4.8	0.00
20/05/2023 04:40	2.8	104	32	5.0	0.00
20/05/2023 04:50	2.7	104	31	4.4	0.00
20/05/2023 05:00	2.6	110	37	4.5	0.00
20/05/2023 05:10	2.9	105	28	4.8	0.00
20/05/2023 05:20	2.6	106	31	4.8	0.00
20/05/2023 05:30	2.8	102	36	5.0	0.00
20/05/2023 05:40	3.0	106	35	5.2	0.00
20/05/2023 05:50	3.1	111	33	5.6	0.00
20/05/2023 06:00	3.0	108	31	5.1	0.00
20/05/2023 06:10	2.9	108	38	5.1	0.00
20/05/2023 06:20	2.9	108	35	5.6	0.00
20/05/2023 06:30	3.0	108	34	5.3	0.00
20/05/2023 06:40	3.4	106	31	5.6	0.00
20/05/2023 06:50	3.3	104	39	5.4	0.00
20/05/2023 07:00	3.6	101	32	6.4	0.00
20/05/2023 07:10	3.4	95	35	6.4	0.00
20/05/2023 07:20	3.8	99	29	6.4	0.00
20/05/2023 07:30	3.3	102	36	5.6	0.00
20/05/2023 07:40	3.4	99	32	6.2	0.00
20/05/2023 07:50	3.5	96	28	6.3	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/05/2023 08:00	3.9	99	30	6.6	0.00
20/05/2023 08:10	4.2	95	28	7.5	0.00
20/05/2023 08:20	4.0	105	33	7.9	0.00
20/05/2023 08:30	4.2	99	31	6.8	0.00
20/05/2023 08:40	4.0	100	31	7.3	0.00
20/05/2023 08:50	3.5	93	32	5.9	0.00
20/05/2023 09:00	3.9	100	32	7.2	0.00
20/05/2023 09:10	3.9	95	31	6.4	0.00
20/05/2023 09:20	3.8	95	34	7.2	0.00
20/05/2023 09:30	4.6	92	24	8.3	0.00
20/05/2023 09:40	4.1	93	32	8.3	0.00
20/05/2023 09:50	4.1	95	28	6.9	0.00
20/05/2023 10:00	4.1	92	30	6.4	0.00
20/05/2023 10:10	4.9	90	28	8.4	0.00
20/05/2023 10:20	4.5	90	25	7.9	0.00
20/05/2023 10:30	4.3	90	28	8.7	0.00
20/05/2023 10:40	4.2	91	29	6.9	0.00
20/05/2023 10:50	4.4	91	23	7.6	0.00
20/05/2023 11:00	4.6	88	26	7.1	0.00
20/05/2023 11:10	4.8	86	27	7.1	0.00
20/05/2023 11:20	4.7	87	22	7.0	0.00
20/05/2023 11:30	4.5	87	28	7.5	0.00
20/05/2023 11:40	4.7	92	24	7.4	0.00
20/05/2023 11:50	4.6	77	26	7.9	0.00
20/05/2023 12:00	4.1	91	28	6.4	0.00
20/05/2023 12:10	4.3	77	24	7.0	0.00
20/05/2023 12:20	4.0	77	22	6.9	0.00
20/05/2023 12:30	4.3	78	23	7.3	0.00
20/05/2023 12:40	4.8	79	23	7.9	0.00
20/05/2023 12:50	4.5	80	25	7.2	0.00
20/05/2023 13:00	3.9	72	23	6.6	0.00
20/05/2023 13:10	3.8	69	26	6.8	0.00
20/05/2023 13:20	3.7	62	22	6.7	0.00
20/05/2023 13:30	3.8	66	22	6.8	0.00
20/05/2023 13:40	3.9	64	24	6.2	0.00
20/05/2023 13:50	4.1	63	24	6.8	0.00
20/05/2023 14:00	4.0	62	23	6.3	0.00
20/05/2023 14:10	3.9	64	21	6.3	0.00
20/05/2023 14:20	3.8	64	23	5.9	0.00
20/05/2023 14:30	3.9	66	23	6.7	0.00
20/05/2023 14:40	3.8	62	23	5.7	0.00
20/05/2023 14:50	3.5	65	22	5.4	0.00
20/05/2023 15:00	3.8	63	24	6.4	0.00
20/05/2023 15:10	3.7	64	25	5.8	0.00
20/05/2023 15:20	3.8	52	22	6.2	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/05/2023 15:30	3.2	57	22	5.0	0.00
20/05/2023 15:40	3.4	65	21	5.2	0.00
20/05/2023 15:50	3.1	65	21	5.1	0.00
20/05/2023 16:00	3.3	60	26	5.0	0.00
20/05/2023 16:10	3.0	62	23	4.9	0.00
20/05/2023 16:20	3.0	54	22	5.2	0.00
20/05/2023 16:30	3.5	54	20	6.0	0.00
20/05/2023 16:40	3.0	53	23	5.2	0.00
20/05/2023 16:50	2.9	54	18	4.7	0.00
20/05/2023 17:00	2.7	53	21	4.6	0.00
20/05/2023 17:10	2.8	53	23	5.4	0.00
20/05/2023 17:20	2.7	49	19	4.4	0.00
20/05/2023 17:30	2.3	52	21	3.8	0.00
20/05/2023 17:40	2.3	52	22	4.2	0.00
20/05/2023 17:50	2.0	52	22	3.4	0.00
20/05/2023 18:00	2.0	52	22	3.2	0.00
20/05/2023 18:10	1.9	48	20	3.2	0.00
20/05/2023 18:20	1.7	44	20	3.1	0.00
20/05/2023 18:30	1.9	43	19	2.9	0.00
20/05/2023 18:40	1.6	46	18	2.2	0.00
20/05/2023 18:50	1.5	41	19	2.4	0.00
20/05/2023 19:00	1.5	42	20	2.4	0.00
20/05/2023 19:10	1.5	44	22	2.6	0.00
20/05/2023 19:20	1.6	47	20	2.5	0.00
20/05/2023 19:30	1.3	46	20	2.0	0.00
20/05/2023 19:40	0.9	38	21	1.6	0.00
20/05/2023 19:50	0.6	45	32	1.6	0.00
20/05/2023 20:00	0.9	73	23	1.5	0.00
20/05/2023 20:10	0.5	120	43	1.2	0.00
20/05/2023 20:20	0.1	136	15	0.6	0.00
20/05/2023 20:30	0.0	17	6	0.5	0.00
20/05/2023 20:40	0.0	319	3	0.4	0.00
20/05/2023 20:50					0.00
20/05/2023 21:00					0.00
20/05/2023 21:10	0.0	265	2	0.4	0.00
20/05/2023 21:20	0.3	36	9	0.8	0.00
20/05/2023 21:30	0.6	42	18	0.9	0.00
20/05/2023 21:40	0.2	39	11	0.7	0.00
20/05/2023 21:50	0.6	58	35	1.3	0.00
20/05/2023 22:00	1.1	89	22	2.0	0.00
20/05/2023 22:10	1.0	96	38	1.8	0.00
20/05/2023 22:20	1.2	94	31	2.5	0.00
20/05/2023 22:30	1.3	107	37	2.1	0.00
20/05/2023 22:40	1.0	85	25	1.9	0.00
20/05/2023 22:50	1.0	84	26	2.1	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/05/2023 23:00	1.3	94	34	2.0	0.00
20/05/2023 23:10	1.6	103	36	2.8	0.00
20/05/2023 23:20	1.5	97	36	2.8	0.00
20/05/2023 23:30	1.9	107	35	3.6	0.00
20/05/2023 23:40	2.4	99	31	4.0	0.00
20/05/2023 23:50	2.4	95	29	4.0	0.00
21/05/2023 00:00	2.5	101	33	4.6	0.00
21/05/2023 00:10	2.7	92	29	5.1	0.00
21/05/2023 00:20	2.8	98	33	5.2	0.00
21/05/2023 00:30	2.5	99	33	4.1	0.00
21/05/2023 00:40	3.0	100	29	5.0	0.00
21/05/2023 00:50	3.0	96	31	4.8	0.00
21/05/2023 01:00	2.5	92	30	4.6	0.00
21/05/2023 01:10	2.7	94	31	4.8	0.00
21/05/2023 01:20	2.7	107	35	4.9	0.00
21/05/2023 01:30	3.1	102	33	5.9	0.00
21/05/2023 01:40	3.0	98	33	4.7	0.00
21/05/2023 01:50	2.8	102	36	4.5	0.00
21/05/2023 02:00	3.0	103	32	5.2	0.00
21/05/2023 02:10	3.3	109	32	5.2	0.00
21/05/2023 02:20	3.2	108	33	5.6	0.00
21/05/2023 02:30	2.9	108	32	5.1	0.00
21/05/2023 02:40	3.2	104	31	5.9	0.00
21/05/2023 02:50	3.1	100	31	4.9	0.00
21/05/2023 03:00	3.2	102	28	5.2	0.00
21/05/2023 03:10	3.2	100	31	6.0	0.00
21/05/2023 03:20	3.2	90	29	5.4	0.00
21/05/2023 03:30	3.2	103	33	5.2	0.00
21/05/2023 03:40	3.2	109	35	5.6	0.00
21/05/2023 03:50	3.0	104	36	5.0	0.00
21/05/2023 04:00	3.2	101	33	5.6	0.00
21/05/2023 04:10	2.7	107	31	4.7	0.00
21/05/2023 04:20	3.0	108	30	5.0	0.00
21/05/2023 04:30	2.8	104	30	4.2	0.00
21/05/2023 04:40	3.4	105	32	6.0	0.00
21/05/2023 04:50	3.1	107	37	5.2	0.00
21/05/2023 05:00	3.2	105	34	5.6	0.00
21/05/2023 05:10	3.3	95	25	5.8	0.00
21/05/2023 05:20	3.7	92	32	6.2	0.00
21/05/2023 05:30	3.5	99	32	5.6	0.00
21/05/2023 05:40	3.5	95	30	6.0	0.00
21/05/2023 05:50	3.3	102	32	5.8	0.00
21/05/2023 06:00	3.4	101	30	6.0	0.00
21/05/2023 06:10	3.6	102	31	7.2	0.00
21/05/2023 06:20	3.6	99	31	6.8	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/05/2023 06:30	3.3	104	32	5.7	0.00
21/05/2023 06:40	3.5	102	26	6.6	0.00
21/05/2023 06:50	3.6	100	37	6.0	0.00
21/05/2023 07:00	3.7	107	29	6.2	0.00
21/05/2023 07:10	3.5	100	30	5.9	0.00
21/05/2023 07:20	3.8	98	25	6.0	0.00
21/05/2023 07:30	3.9	98	32	6.7	0.00
21/05/2023 07:40	3.7	101	35	5.9	0.00
21/05/2023 07:50	4.0	99	28	6.8	0.00
21/05/2023 08:00	4.1	98	25	6.4	0.00
21/05/2023 08:10	4.2	100	30	6.8	0.00
21/05/2023 08:20	4.6	95	31	7.4	0.00
21/05/2023 08:30	4.0	98	27	7.5	0.00
21/05/2023 08:40	4.8	92	26	8.6	0.00
21/05/2023 08:50	4.9	89	25	8.3	0.00
21/05/2023 09:00	5.5	87	19	9.0	0.00
21/05/2023 09:10	6.0	83	21	10.2	0.00
21/05/2023 09:20	5.8	87	26	9.7	0.00
21/05/2023 09:30	6.0	86	19	9.3	0.00
21/05/2023 09:40	5.5	88	23	8.7	0.00
21/05/2023 09:50	5.2	89	24	8.5	0.00
21/05/2023 10:00	5.7	88	21	8.7	0.00
21/05/2023 10:10	4.9	87	24	7.9	0.00
21/05/2023 10:20	5.4	88	24	8.7	0.00
21/05/2023 10:30	5.5	81	23	8.8	0.00
21/05/2023 10:40	5.5	82	21	9.6	0.00
21/05/2023 10:50	5.6	84	24	9.1	0.00
21/05/2023 11:00	4.8	81	27	9.0	0.00
21/05/2023 11:10	5.4	78	22	9.3	0.00
21/05/2023 11:20	5.5	82	19	8.3	0.00
21/05/2023 11:30	5.4	81	23	8.3	0.00
21/05/2023 11:40	4.5	80	25	7.4	0.00
21/05/2023 11:50	5.3	79	23	9.1	0.00
21/05/2023 12:00	4.9	78	29	7.7	0.00
21/05/2023 12:10	5.1	80	23	8.8	0.00
21/05/2023 12:20	4.8	79	21	7.6	0.00
21/05/2023 12:30	4.9	77	24	8.3	0.00
21/05/2023 12:40	4.5	86	26	6.8	0.00
21/05/2023 12:50	4.5	79	23	7.5	0.00
21/05/2023 13:00	4.6	81	21	7.9	0.00
21/05/2023 13:10	4.7	78	25	7.3	0.00
21/05/2023 13:20	4.6	76	24	7.3	0.00
21/05/2023 13:30	4.7	79	21	7.5	0.00
21/05/2023 13:40	4.6	86	23	7.4	0.00
21/05/2023 13:50	4.7	80	22	7.0	0.00





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/05/2023 14:00	4.1	69	24	6.9	0.00
21/05/2023 14:10	3.9	66	21	6.1	0.00
21/05/2023 14:20	3.7	63	23	5.5	0.00
21/05/2023 14:30	3.5	62	22	6.3	0.00
21/05/2023 14:40	3.8	62	20	6.1	0.00
21/05/2023 14:50	3.6	68	23	5.8	0.00
21/05/2023 15:00	3.7	60	22	5.3	0.00
21/05/2023 15:10	3.4	69	22	5.5	0.00
21/05/2023 15:20	3.2	66	23	6.4	0.00
21/05/2023 15:30	3.4	66	23	5.8	0.00
21/05/2023 15:40	3.2	67	23	5.5	0.00
21/05/2023 15:50	3.2	67	22	4.8	0.00
21/05/2023 16:00	3.0	62	23	5.6	0.00
21/05/2023 16:10	2.9	55	22	5.3	0.00
21/05/2023 16:20	3.3	52	23	5.1	0.00
21/05/2023 16:30	3.0	58	20	4.9	0.00
21/05/2023 16:40	2.9	55	21	5.0	0.00
21/05/2023 16:50	2.8	61	22	4.3	0.00
21/05/2023 17:00	2.9	54	23	4.9	0.00
21/05/2023 17:10	2.2	53	20	3.7	0.00
21/05/2023 17:20	2.1	53	20	3.2	0.00
21/05/2023 17:30	2.2	51	20	3.6	0.00
21/05/2023 17:40	1.9	52	20	3.2	0.00
21/05/2023 17:50	1.9	50	18	2.9	0.00
21/05/2023 18:00	1.7	50	20	3.0	0.00
21/05/2023 18:10	1.4	49	20	2.3	0.00
21/05/2023 18:20	1.6	49	24	2.4	0.00
21/05/2023 18:30	1.5	44	17	2.5	0.00
21/05/2023 18:40	1.0	37	20	1.5	0.00
21/05/2023 18:50	1.2	34	18	2.0	0.00
21/05/2023 19:00	1.1	41	21	1.8	0.00
21/05/2023 19:10	0.9	36	19	1.5	0.00
21/05/2023 19:20	0.3	24	11	1.0	0.00
21/05/2023 19:30	1.3	28	14	1.7	0.00
21/05/2023 19:40	1.2	36	18	1.6	0.00
21/05/2023 19:50	1.1	24	15	1.6	0.00
21/05/2023 20:00	1.1	23	14	1.5	0.00
21/05/2023 20:10	1.0	18	17	1.4	0.00
21/05/2023 20:20	0.9	16	15	1.5	0.00
21/05/2023 20:30	0.5	113	22	0.8	0.00
21/05/2023 20:40	0.2	111	7	0.8	0.00
21/05/2023 20:50	0.6	21	19	1.0	0.00
21/05/2023 21:00	0.4	15	17	0.8	0.00
21/05/2023 21:10	0.7	15	16	1.1	0.00
21/05/2023 21:20	0.9	20	17	1.2	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/05/2023 21:30	0.8	24	18	1.2	0.00
21/05/2023 21:40	0.5	13	16	1.0	0.00
21/05/2023 21:50	0.3	18	22	0.8	0.00
21/05/2023 22:00	0.3	195	20	0.9	0.00
21/05/2023 22:10	0.4	35	21	0.9	0.00
21/05/2023 22:20	0.5	27	20	0.9	0.00
21/05/2023 22:30	0.7	41	23	1.2	0.00
21/05/2023 22:40	0.4	53	27	1.1	0.00
21/05/2023 22:50	0.6	36	17	1.1	0.00
21/05/2023 23:00	0.5	29	23	0.9	0.00
21/05/2023 23:10	0.3	35	22	0.7	0.00
21/05/2023 23:20	0.1	63	10	0.5	0.00
21/05/2023 23:30	0.0	177	5	0.4	0.00
21/05/2023 23:40	0.3	54	25	1.0	0.00
21/05/2023 23:50	0.5	54	21	0.8	0.00
22/05/2023 00:00	0.6	76	23	1.1	0.00
22/05/2023 00:10	0.6	94	22	1.2	0.00
22/05/2023 00:20	0.8	121	36	1.7	0.00
22/05/2023 00:30	0.9	109	29	1.6	0.00
22/05/2023 00:40	0.6	94	24	1.0	0.00
22/05/2023 00:50	0.8	92	43	1.4	0.00
22/05/2023 01:00	1.0	101	34	1.8	0.00
22/05/2023 01:10	1.1	93	23	2.0	0.00
22/05/2023 01:20	1.2	89	22	1.8	0.00
22/05/2023 01:30	1.5	88	24	2.4	0.00
22/05/2023 01:40	1.5	98	28	2.7	0.00
22/05/2023 01:50	1.8	94	27	3.2	0.00
22/05/2023 02:00	1.7	102	34	3.2	0.00
22/05/2023 02:10	1.7	103	34	3.1	0.00
22/05/2023 02:20	1.6	107	29	3.2	0.00
22/05/2023 02:30	1.5	108	40	3.3	0.00
22/05/2023 02:40	1.7	103	30	3.4	0.00
22/05/2023 02:50	1.9	109	32	3.3	0.00
22/05/2023 03:00	2.0	101	32	3.6	0.00
22/05/2023 03:10	1.9	104	35	3.4	0.00
22/05/2023 03:20	2.0	105	33	3.7	0.00
22/05/2023 03:30	2.2	98	29	4.0	0.00
22/05/2023 03:40	2.4	103	34	3.7	0.00
22/05/2023 03:50	2.6	100	34	3.9	0.00
22/05/2023 04:00	2.7	96	29	4.5	0.00
22/05/2023 04:10	2.4	100	29	4.0	0.00
22/05/2023 04:20	2.4	105	33	4.0	0.00
22/05/2023 04:30	2.4	102	30	4.9	0.00
22/05/2023 04:40	2.7	100	30	5.3	0.00
22/05/2023 04:50	2.5	101	24	4.0	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/05/2023 05:00	2.7	101	30	4.4	0.00
22/05/2023 05:10	3.1	91	27	5.6	0.00
22/05/2023 05:20	3.1	88	26	4.8	0.00
22/05/2023 05:30	3.1	93	28	5.2	0.00
22/05/2023 05:40	2.9	95	33	4.9	0.00
22/05/2023 05:50	2.5	98	30	4.7	0.00
22/05/2023 06:00	2.8	94	33	4.8	0.00
22/05/2023 06:10	3.1	93	27	5.3	0.00
22/05/2023 06:20	2.8	100	30	4.8	0.00
22/05/2023 06:30	2.4	97	28	4.6	0.00
22/05/2023 06:40	2.7	100	35	5.2	0.00
22/05/2023 06:50	2.7	93	32	4.6	0.00
22/05/2023 07:00	2.7	99	28	4.8	0.00
22/05/2023 07:10	2.6	97	35	4.3	0.00
22/05/2023 07:20	3.0	98	32	5.0	0.00
22/05/2023 07:30	2.9	98	30	5.2	0.00
22/05/2023 07:40	3.1	99	32	5.2	0.00
22/05/2023 07:50	3.4	99	28	5.4	0.00
22/05/2023 08:00	2.9	95	27	4.5	0.00
22/05/2023 08:10	3.4	95	28	5.1	0.00
22/05/2023 08:20	3.6	103	32	5.6	0.00
22/05/2023 08:30	3.2	96	33	5.4	0.00
22/05/2023 08:40	2.9	99	34	5.1	0.00
22/05/2023 08:50	3.6	89	28	6.0	0.00
22/05/2023 09:00	4.5	86	24	7.4	0.00
22/05/2023 09:10	4.4	86	20	6.6	0.00
22/05/2023 09:20	4.0	84	29	6.2	0.00
22/05/2023 09:30	4.2	88	25	6.2	0.00
22/05/2023 09:40	3.7	88	30	6.2	0.00
22/05/2023 09:50	3.6	96	34	5.9	0.00
22/05/2023 10:00	4.0	90	27	6.6	0.00
22/05/2023 10:10	3.8	91	24	6.6	0.00
22/05/2023 10:20	3.8	91	25	6.0	0.00
22/05/2023 10:30	3.8	94	26	6.7	0.00
22/05/2023 10:40	3.9	84	28	6.1	0.00
22/05/2023 10:50	3.8	77	25	6.1	0.00
22/05/2023 11:00	3.7	83	21	5.6	0.00
22/05/2023 11:10	4.1	83	22	7.2	0.00
22/05/2023 11:20	3.9	88	25	6.2	0.00
22/05/2023 11:30	4.2	88	25	6.3	0.00
22/05/2023 11:40	3.8	84	23	6.2	0.00
22/05/2023 11:50	3.7	87	24	6.4	0.00
22/05/2023 12:00	3.7	79	24	6.1	0.00
22/05/2023 12:10	4.2	78	23	6.7	0.00
22/05/2023 12:20	4.1	77	21	6.4	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/05/2023 12:30	3.8	75	22	5.6	0.00
22/05/2023 12:40	3.7	79	25	5.9	0.00
22/05/2023 12:50	4.1	76	21	7.3	0.00
22/05/2023 13:00	3.5	82	21	5.2	0.00
22/05/2023 13:10	4.0	88	20	6.8	0.00
22/05/2023 13:20	3.5	85	21	6.1	0.00
22/05/2023 13:30	3.5	77	24	5.8	0.00
22/05/2023 13:40	3.4	81	21	5.4	0.00
22/05/2023 13:50	3.5	64	24	5.5	0.00
22/05/2023 14:00	3.7	66	24	5.4	0.00
22/05/2023 14:10	3.6	68	22	5.2	0.00
22/05/2023 14:20	3.3	64	23	5.4	0.00
22/05/2023 14:30	3.4	70	24	5.3	0.00
22/05/2023 14:40	3.2	64	23	5.7	0.00
22/05/2023 14:50	3.3	68	25	5.4	0.00
22/05/2023 15:00	3.5	58	21	5.6	0.00
22/05/2023 15:10	3.4	59	23	5.1	0.00
22/05/2023 15:20	3.2	53	21	5.6	0.00
22/05/2023 15:30	3.3	58	20	5.7	0.00
22/05/2023 15:40	3.2	64	22	5.0	0.00
22/05/2023 15:50	3.0	65	25	4.8	0.00
22/05/2023 16:00	2.8	59	23	4.5	0.00
22/05/2023 16:10	2.7	60	22	4.8	0.00
22/05/2023 16:20	2.9	52	21	4.6	0.00
22/05/2023 16:30	2.6	54	23	4.4	0.00
22/05/2023 16:40	2.6	51	19	4.4	0.00
22/05/2023 16:50	2.3	45	21	3.8	0.00
22/05/2023 17:00	2.1	48	21	3.5	0.00
22/05/2023 17:10	1.7	57	20	2.6	0.00
22/05/2023 17:20	1.5	55	21	2.9	0.00
22/05/2023 17:30	1.4	47	18	2.4	0.00
22/05/2023 17:40	1.2	44	22	1.8	0.00
22/05/2023 17:50	1.2	43	18	1.9	0.00
22/05/2023 18:00	0.9	49	20	1.9	0.00
22/05/2023 18:10	0.6	46	22	1.2	0.00
22/05/2023 18:20	1.1	33	15	1.5	0.00
22/05/2023 18:30	1.1	33	15	1.6	0.00
22/05/2023 18:40	1.0	26	17	1.5	0.00
22/05/2023 18:50	1.0	27	14	1.2	0.00
22/05/2023 19:00	0.9	24	14	1.3	0.00
22/05/2023 19:10	0.9	20	17	1.3	0.00
22/05/2023 19:20	1.1	25	15	1.6	0.00
22/05/2023 19:30	0.9	17	16	1.2	0.00
22/05/2023 19:40	0.9	16	12	1.2	0.00
22/05/2023 19:50	0.9	18	16	1.2	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/05/2023 20:00	0.9	21	16	1.3	0.00
22/05/2023 20:10	0.9	21	15	1.2	0.00
22/05/2023 20:20	0.8	17	17	1.2	0.00
22/05/2023 20:30	0.6	13	17	1.0	0.00
22/05/2023 20:40	0.7	7	12	0.9	0.00
22/05/2023 20:50	0.8	8	16	1.2	0.00
22/05/2023 21:00	0.7	180	17	1.2	0.00
22/05/2023 21:10	0.9	7	15	1.2	0.00
22/05/2023 21:20	0.6	196	31	1.0	0.00
22/05/2023 21:30	0.5	348	12	0.8	0.00
22/05/2023 21:40	0.6	13	21	0.9	0.00
22/05/2023 21:50	0.7	181	17	1.1	0.00
22/05/2023 22:00	0.6	183	18	1.1	0.00
22/05/2023 22:10	0.4	3	17	0.8	0.00
22/05/2023 22:20	0.1	351	6	0.7	0.00
22/05/2023 22:30	0.6	10	14	0.8	0.00
22/05/2023 22:40	0.4	183	18	0.8	0.00
22/05/2023 22:50	0.7	175	17	1.1	0.00
22/05/2023 23:00	0.8	353	16	1.2	0.00
22/05/2023 23:10	1.0	347	14	1.2	0.00
22/05/2023 23:20	0.9	352	12	1.3	0.00
22/05/2023 23:30	1.0	338	13	1.3	0.00
22/05/2023 23:40	1.1	334	9	1.3	0.00
22/05/2023 23:50	0.8	346	9	1.1	0.00
23/05/2023 00:00	0.5	350	7	0.8	0.00
23/05/2023 00:10	0.9	292	19	1.2	0.00
23/05/2023 00:20	0.7	281	18	1.2	0.00
23/05/2023 00:30	0.2	331	9	0.6	0.00
23/05/2023 00:40	0.3	342	8	0.6	0.00
23/05/2023 00:50	0.4	326	16	0.8	0.00
23/05/2023 01:00	0.2	351	9	0.6	0.00
23/05/2023 01:10	0.1	310	11	0.7	0.00
23/05/2023 01:20	0.7	235	16	1.2	0.00
23/05/2023 01:30	0.4	236	28	1.2	0.00
23/05/2023 01:40	0.9	250	17	1.2	0.00
23/05/2023 01:50	0.8	229	14	1.2	0.00
23/05/2023 02:00	0.2	257	15	0.6	0.00
23/05/2023 02:10	0.4	326	19	0.8	0.00
23/05/2023 02:20	0.5	345	10	0.8	0.00
23/05/2023 02:30	1.3	248	23	1.9	0.00
23/05/2023 02:40	0.4	217	29	1.3	0.00
23/05/2023 02:50	0.7	199	31	1.1	0.00
23/05/2023 03:00	1.1	226	17	1.6	0.00
23/05/2023 03:10	0.8	236	18	1.3	0.00
23/05/2023 03:20	0.8	239	14	1.1	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/05/2023 03:30	0.3	10	7	1.1	0.00
23/05/2023 03:40	0.7	14	18	1.1	0.00
23/05/2023 03:50	0.4	22	20	1.0	0.00
23/05/2023 04:00	0.5	17	16	1.1	0.00
23/05/2023 04:10	0.3	179	18	0.7	0.00
23/05/2023 04:20	0.3	18	19	0.8	0.00
23/05/2023 04:30	0.8	39	19	1.3	0.00
23/05/2023 04:40	0.6	33	26	1.0	0.00
23/05/2023 04:50	0.9	47	22	1.3	0.00
23/05/2023 05:00	0.6	41	27	1.0	0.00
23/05/2023 05:10	1.1	53	24	1.7	0.00
23/05/2023 05:20	0.8	59	24	1.7	0.00
23/05/2023 05:30	0.9	51	23	1.2	0.00
23/05/2023 05:40	0.9	53	36	1.3	0.00
23/05/2023 05:50	0.7	64	22	1.2	0.00
23/05/2023 06:00	0.7	58	24	1.3	0.00
23/05/2023 06:10	1.0	73	24	2.1	0.00
23/05/2023 06:20	0.7	50	27	1.2	0.00
23/05/2023 06:30	0.7	35	22	1.3	0.00
23/05/2023 06:40	0.3	47	19	1.1	0.00
23/05/2023 06:50	0.4	56	30	1.0	0.00
23/05/2023 07:00	0.4	87	31	1.1	0.00
23/05/2023 07:10	0.9	108	43	1.8	0.00
23/05/2023 07:20	1.6	105	32	2.8	0.00
23/05/2023 07:30	1.9	88	28	4.0	0.00
23/05/2023 07:40	2.3	93	26	3.6	0.00
23/05/2023 07:50	2.9	89	26	4.8	0.00
23/05/2023 08:00	2.8	86	22	5.0	0.00
23/05/2023 08:10	2.9	85	23	4.9	0.00
23/05/2023 08:20	2.9	90	27	4.9	0.00
23/05/2023 08:30	3.0	90	31	4.7	0.00
23/05/2023 08:40	3.2	86	20	5.1	0.00
23/05/2023 08:50	2.5	93	21	4.4	0.00
23/05/2023 09:00	2.6	87	28	4.3	0.00
23/05/2023 09:10	2.5	100	29	4.2	0.00
23/05/2023 09:20	2.5	99	30	4.4	0.00
23/05/2023 09:30	2.4	97	26	4.0	0.00
23/05/2023 09:40	2.5	83	29	4.1	0.00
23/05/2023 09:50	3.0	92	34	5.6	0.00
23/05/2023 10:00	3.2	84	22	5.3	0.00
23/05/2023 10:10	3.1	83	21	4.8	0.00
23/05/2023 10:20	3.3	79	22	5.6	0.00
23/05/2023 10:30	3.3	76	23	4.8	0.00
23/05/2023 10:40	3.4	80	24	5.7	0.00
23/05/2023 10:50	2.9	79	24	5.4	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/05/2023 11:00	2.4	68	25	4.0	0.00
23/05/2023 11:10	3.1	74	20	5.3	0.00
23/05/2023 11:20	3.2	76	23	5.1	0.00
23/05/2023 11:30	3.0	65	23	4.8	0.00
23/05/2023 11:40	2.9	72	25	4.9	0.00
23/05/2023 11:50	3.3	80	26	4.9	0.00
23/05/2023 12:00	3.8	86	21	6.0	0.00
23/05/2023 12:10	3.8	87	27	5.2	0.00
23/05/2023 12:20	3.4	85	28	5.8	0.00
23/05/2023 12:30	3.4	78	18	5.3	0.00
23/05/2023 12:40	3.3	79	22	5.6	0.00
23/05/2023 12:50	3.7	82	25	6.1	0.00
23/05/2023 13:00	3.5	80	26	5.5	0.00
23/05/2023 13:10	3.2	83	23	4.8	0.00
23/05/2023 13:20	3.5	82	25	5.3	0.00
23/05/2023 13:30	3.6	80	22	5.2	0.00
23/05/2023 13:40	2.9	77	22	5.0	0.00
23/05/2023 13:50	3.5	81	22	5.4	0.00
23/05/2023 14:00	3.2	86	23	4.9	0.00
23/05/2023 14:10	2.8	89	28	4.6	0.00
23/05/2023 14:20	2.8	78	25	4.4	0.00
23/05/2023 14:30	2.7	81	23	4.3	0.00
23/05/2023 14:40	2.3	62	26	3.8	0.00
23/05/2023 14:50	2.8	57	23	4.8	0.00
23/05/2023 15:00	2.8	58	25	4.4	0.00
23/05/2023 15:10	2.5	62	24	4.1	0.00
23/05/2023 15:20	2.4	70	23	3.7	0.00
23/05/2023 15:30	2.5	65	22	3.8	0.00
23/05/2023 15:40	2.5	61	25	3.8	0.00
23/05/2023 15:50	2.5	65	24	4.0	0.00
23/05/2023 16:00	2.2	56	22	3.2	0.00
23/05/2023 16:10	2.5	47	21	4.2	0.00
23/05/2023 16:20	2.0	58	21	2.9	0.00
23/05/2023 16:30	2.5	52	19	4.0	0.00
23/05/2023 16:40	2.1	57	22	3.5	0.00
23/05/2023 16:50	2.0	54	18	3.3	0.00
23/05/2023 17:00	2.0	49	19	3.3	0.00
23/05/2023 17:10	1.6	52	17	2.4	0.00
23/05/2023 17:20	1.3	50	18	2.0	0.00
23/05/2023 17:30	1.1	53	17	2.0	0.00
23/05/2023 17:40	0.8	51	15	1.2	0.00
23/05/2023 17:50	0.2	52	11	0.6	0.00
23/05/2023 18:00	0.1	21	7	0.6	0.00
23/05/2023 18:10	0.7	27	12	1.0	0.00
23/05/2023 18:20	0.7	30	13	1.1	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/05/2023 18:30	0.6	27	11	1.1	0.00
23/05/2023 18:40	1.0	21	15	1.3	0.00
23/05/2023 18:50	0.8	24	15	1.2	0.00
23/05/2023 19:00	1.0	23	15	1.3	0.00
23/05/2023 19:10	0.6	22	17	1.0	0.00
23/05/2023 19:20	0.1	206	11	0.5	0.00
23/05/2023 19:30	0.2	235	3	0.7	0.00
23/05/2023 19:40	0.1	251	2	0.5	0.00
23/05/2023 19:50					0.00
23/05/2023 20:00	0.1	11	2	0.4	0.00
23/05/2023 20:10	0.1	14	5	0.7	0.00
23/05/2023 20:20	0.2	8	6	0.6	0.00
23/05/2023 20:30					0.00
23/05/2023 20:40	0.1	347	5	0.6	0.00
23/05/2023 20:50	0.0	1	2	0.4	0.00
23/05/2023 21:00	0.8	348	10	1.1	0.00
23/05/2023 21:10	0.6	352	8	0.8	0.00
23/05/2023 21:20	0.8	349	8	1.0	0.00
23/05/2023 21:30	0.9	347	9	1.2	0.00
23/05/2023 21:40	0.9	349	11	1.2	0.00
23/05/2023 21:50	0.8	347	12	1.2	0.00
23/05/2023 22:00	0.9	350	11	1.2	0.00
23/05/2023 22:10	0.9	351	12	1.2	0.00
23/05/2023 22:20	0.9	347	11	1.1	0.00
23/05/2023 22:30	1.0	342	12	1.3	0.00
23/05/2023 22:40	0.8	344	9	1.0	0.00
23/05/2023 22:50	0.3	263	16	0.7	0.00
23/05/2023 23:00	0.0	346	5	0.4	0.00
23/05/2023 23:10	0.2	302	16	0.6	0.00
23/05/2023 23:20	0.7	322	20	1.1	0.00
23/05/2023 23:30	1.2	333	5	1.5	0.00
23/05/2023 23:40	0.8	343	10	1.2	0.00
23/05/2023 23:50	0.2	276	7	0.8	0.00
24/05/2023 00:00	0.8	350	14	1.2	0.00
24/05/2023 00:10	1.1	345	9	1.4	0.00
24/05/2023 00:20	0.7	180	15	0.9	0.00
24/05/2023 00:30	0.8	351	9	1.1	0.00
24/05/2023 00:40	1.1	343	8	1.3	0.00
24/05/2023 00:50	1.1	352	13	1.5	0.00
24/05/2023 01:00	0.8	351	17	1.2	0.00
24/05/2023 01:10	0.4	353	17	0.8	0.00
24/05/2023 01:20	0.8	354	15	1.1	0.00
24/05/2023 01:30	0.8	175	13	1.2	0.00
24/05/2023 01:40	1.1	347	10	1.4	0.00
24/05/2023 01:50	1.1	342	12	1.4	0.00





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/05/2023 02:00	0.9	350	20	1.2	0.00
24/05/2023 02:10	0.9	349	11	1.2	0.00
24/05/2023 02:20	0.8	347	11	1.0	0.00
24/05/2023 02:30	1.1	343	12	1.4	0.00
24/05/2023 02:40	1.2	347	10	1.5	0.00
24/05/2023 02:50	1.1	344	11	1.4	0.00
24/05/2023 03:00	1.2	335	9	1.6	0.00
24/05/2023 03:10	0.7	339	11	1.1	0.00
24/05/2023 03:20	0.6	312	25	1.0	0.00
24/05/2023 03:30	0.8	355	13	1.2	0.00
24/05/2023 03:40	0.8	187	26	1.2	0.00
24/05/2023 03:50	0.1	22	7	0.6	0.00
24/05/2023 04:00	0.4	37	23	0.9	0.00
24/05/2023 04:10	0.3	74	19	0.8	0.00
24/05/2023 04:20	0.3	148	43	1.1	0.00
24/05/2023 04:30	0.1	34	18	0.5	0.00
24/05/2023 04:40	0.4	323	24	1.0	0.00
24/05/2023 04:50	0.5	255	21	1.0	0.00
24/05/2023 05:00	0.5	316	24	1.2	0.00
24/05/2023 05:10	0.9	298	35	1.6	0.00
24/05/2023 05:20	0.7	307	31	1.5	0.00
24/05/2023 05:30	1.4	321	14	2.0	0.00
24/05/2023 05:40	0.5	283	25	1.2	0.00
24/05/2023 05:50	0.8	255	25	2.0	0.00
24/05/2023 06:00	1.7	268	16	2.6	0.00
24/05/2023 06:10	1.5	273	28	2.4	0.00
24/05/2023 06:20	1.1	292	33	1.7	0.00
24/05/2023 06:30	1.0	334	38	1.6	0.00
24/05/2023 06:40	1.4	337	15	2.0	0.00
24/05/2023 06:50	1.5	324	15	1.8	0.00
24/05/2023 07:00	1.1	267	24	1.6	0.00
24/05/2023 07:10	0.9	302	26	1.2	0.00
24/05/2023 07:20	0.9	343	20	1.2	0.00
24/05/2023 07:30	0.9	166	39	1.4	0.00
24/05/2023 07:40	0.8	3	57	1.2	0.00
24/05/2023 07:50	1.5	175	27	3.0	0.00
24/05/2023 08:00	1.3	154	26	2.4	0.00
24/05/2023 08:10	1.9	162	30	3.1	0.00
24/05/2023 08:20	1.2	154	42	2.0	0.00
24/05/2023 08:30	1.5	190	37	2.4	0.00
24/05/2023 08:40	1.5	163	30	2.4	0.00
24/05/2023 08:50	1.5	179	24	2.3	0.00
24/05/2023 09:00	1.2	151	26	2.1	0.00
24/05/2023 09:10	1.3	135	37	2.4	0.00
24/05/2023 09:20	1.5	116	29	2.4	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/05/2023 09:30	1.7	110	34	2.9	0.00
24/05/2023 09:40	1.6	109	33	2.9	0.00
24/05/2023 09:50	1.9	117	31	3.1	0.00
24/05/2023 10:00	2.0	116	29	3.3	0.00
24/05/2023 10:10	1.7	103	36	2.8	0.00
24/05/2023 10:20	1.8	117	36	3.0	0.00
24/05/2023 10:30	1.4	123	34	2.3	0.00
24/05/2023 10:40	1.5	125	31	2.4	0.00
24/05/2023 10:50	1.6	121	33	2.7	0.00
24/05/2023 11:00	1.7	92	31	2.6	0.00
24/05/2023 11:10	1.7	90	31	3.2	0.00
24/05/2023 11:20	2.1	76	29	3.7	0.00
24/05/2023 11:30	2.0	63	26	3.3	0.00
24/05/2023 11:40	2.4	55	24	4.0	0.00
24/05/2023 11:50	2.3	60	26	4.0	0.00
24/05/2023 12:00	2.4	56	21	3.5	0.00
24/05/2023 12:10	2.6	56	21	4.0	0.00
24/05/2023 12:20	2.4	52	22	3.6	0.00
24/05/2023 12:30	2.3	56	22	3.3	0.00
24/05/2023 12:40	2.3	53	24	3.7	0.00
24/05/2023 12:50	2.4	59	23	3.7	0.00
24/05/2023 13:00	2.4	63	22	3.9	0.00
24/05/2023 13:10	2.2	58	24	3.7	0.00
24/05/2023 13:20	2.3	52	22	3.6	0.00
24/05/2023 13:30	2.6	59	22	4.4	0.00
24/05/2023 13:40	2.5	60	23	3.9	0.00
24/05/2023 13:50	2.5	55	20	4.3	0.00
24/05/2023 14:00	2.5	60	23	4.1	0.00
24/05/2023 14:10	2.6	59	22	4.2	0.00
24/05/2023 14:20	2.9	56	23	4.4	0.00
24/05/2023 14:30	2.4	57	24	4.2	0.00
24/05/2023 14:40	2.6	54	19	4.3	0.00
24/05/2023 14:50	2.2	56	24	4.0	0.00
24/05/2023 15:00	2.8	48	23	4.4	0.00
24/05/2023 15:10	2.5	61	22	4.1	0.00
24/05/2023 15:20	2.7	61	19	4.2	0.00
24/05/2023 15:30	2.3	58	24	4.2	0.00
24/05/2023 15:40	2.3	52	22	4.2	0.00
24/05/2023 15:50	2.6	48	21	4.3	0.00
24/05/2023 16:00	2.3	47	21	3.3	0.00
24/05/2023 16:10	2.2	40	21	3.0	0.00
24/05/2023 16:20	2.1	49	21	3.6	0.00
24/05/2023 16:30	2.2	51	25	3.4	0.00
24/05/2023 16:40	1.7	57	24	2.8	0.00
24/05/2023 16:50	1.8	49	17	2.8	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/05/2023 17:00	1.6	48	20	2.6	0.00
24/05/2023 17:10	1.4	50	17	2.4	0.00
24/05/2023 17:20	1.4	38	22	2.0	0.00
24/05/2023 17:30	1.7	39	18	2.8	0.00
24/05/2023 17:40	1.4	33	17	2.0	0.00
24/05/2023 17:50	1.5	29	23	2.5	0.00
24/05/2023 18:00	1.4	31	21	2.2	0.00
24/05/2023 18:10	1.4	34	25	2.4	0.00
24/05/2023 18:20	1.5	24	27	2.7	0.00
24/05/2023 18:30	1.7	24	24	2.6	0.00
24/05/2023 18:40	1.3	12	22	2.3	0.00
24/05/2023 18:50	0.7	88	29	1.2	0.00
24/05/2023 19:00	0.7	236	44	1.6	0.00
24/05/2023 19:10	0.6	95	58	1.2	0.00
24/05/2023 19:20	0.9	10	31	1.6	0.00
24/05/2023 19:30	1.7	353	21	2.6	0.00
24/05/2023 19:40	1.5	352	22	2.3	0.00
24/05/2023 19:50	1.7	349	24	2.8	0.00
24/05/2023 20:00	1.5	347	25	2.3	0.00
24/05/2023 20:10	1.2	226	41	2.0	0.00
24/05/2023 20:20	1.7	277	15	2.5	0.00
24/05/2023 20:30	1.7	269	15	2.4	0.00
24/05/2023 20:40	1.6	260	14	2.4	0.00
24/05/2023 20:50	1.9	268	15	2.6	0.00
24/05/2023 21:00	2.4	267	15	3.3	0.00
24/05/2023 21:10	2.5	265	14	3.2	0.00
24/05/2023 21:20	2.2	264	14	3.1	0.00
24/05/2023 21:30	2.3	261	16	3.2	0.00
24/05/2023 21:40	2.5	270	16	3.5	0.00
24/05/2023 21:50	2.2	267	14	3.2	0.00
24/05/2023 22:00	2.5	267	15	3.4	0.00
24/05/2023 22:10	2.4	265	16	3.2	0.00
24/05/2023 22:20	2.4	261	16	3.4	0.00
24/05/2023 22:30	2.6	269	14	3.3	0.00
24/05/2023 22:40	2.5	269	17	3.5	0.00
24/05/2023 22:50	2.6	268	14	3.4	0.00
24/05/2023 23:00	2.4	269	14	3.5	0.00
24/05/2023 23:10	2.6	267	19	3.7	0.00
24/05/2023 23:20	2.6	266	16	3.7	0.00
24/05/2023 23:30	2.5	270	18	3.4	0.00
24/05/2023 23:40	2.4	272	15	3.2	0.00
24/05/2023 23:50	2.4	266	14	3.2	0.00
25/05/2023 00:00	2.5	259	16	3.5	0.00
25/05/2023 00:10	2.6	266	17	3.7	0.00
25/05/2023 00:20	2.4	262	14	3.2	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/05/2023 00:30	2.2	261	16	3.1	0.00
25/05/2023 00:40	2.3	259	16	3.4	0.00
25/05/2023 00:50	2.1	258	17	3.1	0.00
25/05/2023 01:00	2.2	266	15	2.9	0.00
25/05/2023 01:10	2.4	264	16	3.5	0.00
25/05/2023 01:20	2.3	265	15	3.2	0.00
25/05/2023 01:30	1.7	265	17	2.3	0.00
25/05/2023 01:40	1.8	265	15	2.5	0.00
25/05/2023 01:50	1.8	266	17	2.7	0.00
25/05/2023 02:00	1.7	266	16	2.4	0.00
25/05/2023 02:10	1.6	258	18	2.2	0.00
25/05/2023 02:20	1.3	237	29	2.4	0.00
25/05/2023 02:30	1.3	251	14	2.0	0.00
25/05/2023 02:40	1.0	258	17	1.5	0.00
25/05/2023 02:50	0.8	225	50	1.5	0.00
25/05/2023 03:00	0.6	27	15	1.1	0.00
25/05/2023 03:10	1.1	346	18	1.6	0.00
25/05/2023 03:20	1.0	187	20	1.5	0.00
25/05/2023 03:30	1.3	36	16	2.4	0.00
25/05/2023 03:40	1.0	43	20	1.7	0.00
25/05/2023 03:50	0.7	22	17	1.2	0.00
25/05/2023 04:00	0.8	27	17	1.2	0.00
25/05/2023 04:10	0.7	19	20	1.2	0.00
25/05/2023 04:20	0.3	186	20	0.8	0.00
25/05/2023 04:30	0.4	180	9	0.8	0.00
25/05/2023 04:40	0.9	355	15	1.2	0.00
25/05/2023 04:50	0.9	179	15	1.3	0.00
25/05/2023 05:00	1.1	14	13	1.5	0.00
25/05/2023 05:10	0.9	16	16	1.1	0.00
25/05/2023 05:20	0.9	10	18	1.2	0.00
25/05/2023 05:30	0.9	14	20	1.3	0.00
25/05/2023 05:40	0.8	356	14	1.2	0.00
25/05/2023 05:50	1.3	339	8	1.5	0.00
25/05/2023 06:00	1.0	356	17	1.4	0.00
25/05/2023 06:10	1.0	179	16	1.3	0.00
25/05/2023 06:20	0.9	357	15	1.5	0.00
25/05/2023 06:30	1.0	354	16	1.6	0.00
25/05/2023 06:40	1.0	179	18	1.5	0.00
25/05/2023 06:50	0.4	6	23	1.0	0.00
25/05/2023 07:00	0.3	20	21	1.0	0.00
25/05/2023 07:10	0.8	43	21	1.3	0.00
25/05/2023 07:20	0.9	54	18	1.4	0.00
25/05/2023 07:30	0.6	31	22	1.3	0.00
25/05/2023 07:40	0.8	35	22	1.3	0.00
25/05/2023 07:50	0.7	43	26	1.1	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/05/2023 08:00	0.7	46	23	1.3	0.00
25/05/2023 08:10	0.8	85	30	1.2	0.00
25/05/2023 08:20	1.0	103	31	1.8	0.00
25/05/2023 08:30	1.1	95	26	1.8	0.00
25/05/2023 08:40	1.4	104	30	2.3	0.00
25/05/2023 08:50	1.3	111	30	2.0	0.00
25/05/2023 09:00	1.3	122	31	2.1	0.00
25/05/2023 09:10	1.5	101	26	2.2	0.00
25/05/2023 09:20	1.5	121	29	2.8	0.00
25/05/2023 09:30	1.4	120	34	2.5	0.00
25/05/2023 09:40	1.6	102	24	2.4	0.00
25/05/2023 09:50	2.0	88	27	3.2	0.00
25/05/2023 10:00	1.9	113	31	3.1	0.00
25/05/2023 10:10	1.9	103	27	3.2	0.00
25/05/2023 10:20	1.8	94	34	2.8	0.00
25/05/2023 10:30	2.2	84	23	3.6	0.00
25/05/2023 10:40	2.2	95	25	3.6	0.00
25/05/2023 10:50	2.1	83	37	3.4	0.00
25/05/2023 11:00	2.3	76	25	3.8	0.00
25/05/2023 11:10	2.4	72	26	3.6	0.00
25/05/2023 11:20	2.4	71	24	3.8	0.00
25/05/2023 11:30	2.4	82	35	4.4	0.00
25/05/2023 11:40	2.8	95	27	4.4	0.00
25/05/2023 11:50	2.8	85	25	4.2	0.00
25/05/2023 12:00	2.2	68	27	3.6	0.00
25/05/2023 12:10	2.4	63	24	4.4	0.00
25/05/2023 12:20	2.6	56	22	4.2	0.00
25/05/2023 12:30	2.6	60	31	4.9	0.00
25/05/2023 12:40	2.6	66	22	4.0	0.00
25/05/2023 12:50	2.8	66	23	4.5	0.00
25/05/2023 13:00	2.6	67	26	4.1	0.00
25/05/2023 13:10	2.9	63	22	4.4	0.00
25/05/2023 13:20	2.7	64	22	4.8	0.00
25/05/2023 13:30	2.5	56	22	4.3	0.00
25/05/2023 13:40	2.8	55	20	4.3	0.00
25/05/2023 13:50	2.5	55	23	4.2	0.00
25/05/2023 14:00	2.6	61	24	4.1	0.00
25/05/2023 14:10	2.7	56	22	4.7	0.00
25/05/2023 14:20	2.6	56	20	4.5	0.00
25/05/2023 14:30	2.5	57	22	4.0	0.00
25/05/2023 14:40	2.7	58	20	4.2	0.00
25/05/2023 14:50	2.6	56	23	4.3	0.00
25/05/2023 15:00	2.5	56	21	4.4	0.00
25/05/2023 15:10	2.5	54	21	3.7	0.00
25/05/2023 15:20	2.3	53	20	3.8	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/05/2023 15:30	2.3	64	24	3.5	0.00
25/05/2023 15:40	2.3	59	23	3.5	0.00
25/05/2023 15:50	2.7	49	21	3.8	0.00
25/05/2023 16:00	2.9	50	16	4.5	0.00
25/05/2023 16:10	2.5	52	19	3.8	0.00
25/05/2023 16:20	1.9	49	19	2.9	0.00
25/05/2023 16:30	2.1	50	20	3.5	0.00
25/05/2023 16:40	2.1	51	18	3.1	0.00
25/05/2023 16:50	1.8	53	16	2.7	0.00
25/05/2023 17:00	1.9	53	14	2.9	0.00
25/05/2023 17:10	1.7	48	14	2.5	0.00
25/05/2023 17:20	1.7	50	14	2.3	0.00
25/05/2023 17:30	1.6	41	18	2.8	0.00
25/05/2023 17:40	1.7	42	19	2.7	0.00
25/05/2023 17:50	1.4	30	17	2.0	0.00
25/05/2023 18:00	1.1	26	17	1.8	0.00
25/05/2023 18:10	0.7	89	46	1.3	0.00
25/05/2023 18:20	0.4	138	14	0.9	0.00
25/05/2023 18:30	0.3	44	16	0.9	0.00
25/05/2023 18:40					0.00
25/05/2023 18:50	0.0	49	0	0.4	0.00
25/05/2023 19:00	0.2	180	10	0.8	0.00
25/05/2023 19:10	0.3	359	10	0.6	0.00
25/05/2023 19:20	0.1	315	8	0.5	0.00
25/05/2023 19:30	0.1	173	4	0.5	0.00
25/05/2023 19:40	0.0	7	3	0.4	0.00
25/05/2023 19:50	0.3	6	9	0.8	0.00
25/05/2023 20:00	0.0	347	1	0.4	0.00
25/05/2023 20:10	0.2	258	5	0.7	0.00
25/05/2023 20:20	0.0	273	2	0.4	0.00
25/05/2023 20:30	0.2	6	9	0.8	0.00
25/05/2023 20:40	0.3	8	11	0.8	0.00
25/05/2023 20:50	0.5	13	10	0.8	0.00
25/05/2023 21:00	0.4	180	10	0.8	0.00
25/05/2023 21:10	0.7	179	13	0.9	0.00
25/05/2023 21:20	0.8	12	14	1.1	0.00
25/05/2023 21:30	0.7	23	26	1.1	0.00
25/05/2023 21:40	0.6	348	10	1.2	0.00
25/05/2023 21:50	0.8	349	13	1.2	0.00
25/05/2023 22:00	0.6	6	13	1.0	0.00
25/05/2023 22:10	0.7	5	16	1.0	0.00
25/05/2023 22:20	0.6	357	15	1.0	0.00
25/05/2023 22:30	0.9	14	17	1.2	0.00
25/05/2023 22:40	0.8	11	15	1.1	0.00
25/05/2023 22:50	0.9	9	16	1.3	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/05/2023 23:00	0.9	11	22	1.3	0.00
25/05/2023 23:10	0.8	7	16	1.2	0.00
25/05/2023 23:20	0.8	6	16	1.2	0.00
25/05/2023 23:30	0.9	13	16	1.2	0.00
25/05/2023 23:40	0.8	16	19	1.2	0.00
25/05/2023 23:50	0.8	14	15	1.2	0.00
26/05/2023 00:00	0.8	19	16	1.2	0.00
26/05/2023 00:10	0.8	8	17	1.1	0.00
26/05/2023 00:20	0.9	180	18	1.2	0.00
26/05/2023 00:30	0.7	6	22	0.9	0.00
26/05/2023 00:40	0.6	8	17	1.0	0.00
26/05/2023 00:50	0.6	357	12	1.2	0.00
26/05/2023 01:00	0.6	345	12	0.9	0.00
26/05/2023 01:10	0.6	345	12	1.0	0.00
26/05/2023 01:20	0.6	347	8	0.9	0.00
26/05/2023 01:30	0.6	180	15	0.8	0.00
26/05/2023 01:40	0.4	12	8	1.0	0.00
26/05/2023 01:50	0.5	27	23	0.8	0.00
26/05/2023 02:00	0.7	37	23	1.0	0.00
26/05/2023 02:10	0.6	45	17	1.1	0.00
26/05/2023 02:20	0.3	29	12	0.7	0.00
26/05/2023 02:30	0.2	33	17	0.7	0.00
26/05/2023 02:40	0.2	16	15	0.6	0.00
26/05/2023 02:50	0.5	26	16	0.8	0.00
26/05/2023 03:00	0.3	16	16	0.7	0.00
26/05/2023 03:10	0.6	8	16	0.8	0.00
26/05/2023 03:20	0.4	20	22	0.8	0.00
26/05/2023 03:30	0.1	25	7	0.5	0.00
26/05/2023 03:40	0.2	173	9	0.6	0.00
26/05/2023 03:50	0.2	14	14	0.8	0.00
26/05/2023 04:00	0.3	33	28	0.8	0.00
26/05/2023 04:10	0.4	6	16	0.8	0.00
26/05/2023 04:20	0.4	17	20	0.8	0.00
26/05/2023 04:30	0.7	58	40	1.2	0.00
26/05/2023 04:40	0.4	28	28	0.8	0.00
26/05/2023 04:50	0.7	42	20	1.3	0.00
26/05/2023 05:00	0.8	64	52	1.5	0.00
26/05/2023 05:10	0.6	98	37	1.3	0.00
26/05/2023 05:20	0.2	232	16	0.9	0.00
26/05/2023 05:30	0.3	75	27	0.8	0.00
26/05/2023 05:40	0.2	119	25	1.0	0.00
26/05/2023 05:50	0.7	75	46	1.8	0.00
26/05/2023 06:00	1.8	113	34	3.7	0.00
26/05/2023 06:10	2.1	116	31	3.6	0.00
26/05/2023 06:20	2.1	126	31	4.0	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/05/2023 06:30	2.3	119	37	4.2	0.00
26/05/2023 06:40	2.2	123	35	3.8	0.00
26/05/2023 06:50	2.2	117	40	3.9	0.00
26/05/2023 07:00	1.9	113	41	3.9	0.00
26/05/2023 07:10	2.3	119	27	4.0	0.00
26/05/2023 07:20	2.2	123	33	4.0	0.00
26/05/2023 07:30	2.4	117	30	4.4	0.00
26/05/2023 07:40	2.1	113	38	3.9	0.00
26/05/2023 07:50	2.4	112	38	4.6	0.00
26/05/2023 08:00	2.4	113	32	3.7	0.00
26/05/2023 08:10	2.2	111	40	3.5	0.00
26/05/2023 08:20	2.8	115	35	5.2	0.00
26/05/2023 08:30	2.6	120	41	4.8	0.00
26/05/2023 08:40	2.9	118	34	5.2	0.00
26/05/2023 08:50	3.3	115	29	5.5	0.00
26/05/2023 09:00	3.4	114	33	5.6	0.00
26/05/2023 09:10	3.5	109	35	6.0	0.00
26/05/2023 09:20	3.5	112	34	6.1	0.00
26/05/2023 09:30	3.0	111	31	5.5	0.00
26/05/2023 09:40	3.2	103	29	5.2	0.00
26/05/2023 09:50	3.5	97	31	5.8	0.00
26/05/2023 10:00	3.5	91	28	5.4	0.00
26/05/2023 10:10	3.3	101	28	6.2	0.00
26/05/2023 10:20	3.1	96	32	5.7	0.00
26/05/2023 10:30	3.1	101	31	5.2	0.00
26/05/2023 10:40	3.3	95	27	6.0	0.00
26/05/2023 10:50	3.1	103	27	4.8	0.00
26/05/2023 11:00	3.1	92	25	5.6	0.00
26/05/2023 11:10	3.2	82	25	4.9	0.00
26/05/2023 11:20	3.7	91	24	5.7	0.00
26/05/2023 11:30	2.9	90	27	5.8	0.00
26/05/2023 11:40	2.9	77	24	4.6	0.00
26/05/2023 11:50	2.9	72	25	4.8	0.00
26/05/2023 12:00	2.7	77	24	4.5	0.00
26/05/2023 12:10	2.8	88	31	4.4	0.00
26/05/2023 12:20	2.8	76	29	4.6	0.00
26/05/2023 12:30	3.2	71	22	4.5	0.00
26/05/2023 12:40	2.9	72	26	5.2	0.00
26/05/2023 12:50	2.9	65	23	4.7	0.00
26/05/2023 13:00	3.1	70	22	5.5	0.00
26/05/2023 13:10	3.2	80	23	6.2	0.00
26/05/2023 13:20	3.1	84	25	5.0	0.00
26/05/2023 13:30	2.5	82	24	4.1	0.00
26/05/2023 13:40	2.6	70	22	4.4	0.00
26/05/2023 13:50	2.6	79	25	4.9	0.00





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/05/2023 14:00	2.4	76	26	4.3	0.00
26/05/2023 14:10	2.5	66	25	4.4	0.00
26/05/2023 14:20	2.6	69	23	4.1	0.00
26/05/2023 14:30	2.6	68	26	4.0	0.00
26/05/2023 14:40	2.5	65	24	4.0	0.00
26/05/2023 14:50	2.3	72	28	4.1	0.00
26/05/2023 15:00	2.5	59	24	4.4	0.00
26/05/2023 15:10	2.8	61	22	5.0	0.00
26/05/2023 15:20	2.6	58	21	4.4	0.00
26/05/2023 15:30	2.9	60	22	4.4	0.00
26/05/2023 15:40	2.9	60	22	4.7	0.00
26/05/2023 15:50	2.7	57	27	4.8	0.00
26/05/2023 16:00	2.8	57	22	4.2	0.00
26/05/2023 16:10	2.8	51	20	4.8	0.00
26/05/2023 16:20	2.7	50	19	4.2	0.00
26/05/2023 16:30	2.6	46	18	3.9	0.00
26/05/2023 16:40	2.4	49	19	3.9	0.00
26/05/2023 16:50	2.6	46	19	3.8	0.00
26/05/2023 17:00	2.1	48	21	3.4	0.00
26/05/2023 17:10	2.3	49	17	3.5	0.00
26/05/2023 17:20	2.0	41	19	3.2	0.00
26/05/2023 17:30	1.6	41	20	2.4	0.00
26/05/2023 17:40	1.7	37	20	2.6	0.00
26/05/2023 17:50	1.8	40	19	2.4	0.00
26/05/2023 18:00	1.5	33	19	2.1	0.00
26/05/2023 18:10	1.5	32	19	2.2	0.00
26/05/2023 18:20	1.3	28	16	1.9	0.00
26/05/2023 18:30	1.2	32	15	1.8	0.00
26/05/2023 18:40	1.2	31	16	1.6	0.00
26/05/2023 18:50	0.9	37	22	1.3	0.00
26/05/2023 19:00	0.4	248	33	0.9	0.00
26/05/2023 19:10	0.6	105	41	1.2	0.00
26/05/2023 19:20	0.4	176	26	1.0	0.00
26/05/2023 19:30	0.5	26	7	0.8	0.00
26/05/2023 19:40	0.4	22	10	0.8	0.00
26/05/2023 19:50	0.0	26	2	0.4	0.00
26/05/2023 20:00	0.2	43	5	0.6	0.00
26/05/2023 20:10	0.3	27	10	0.8	0.00
26/05/2023 20:20	0.4	28	8	0.7	0.00
26/05/2023 20:30	0.0	41	1	0.4	0.00
26/05/2023 20:40	0.0	28	0	0.4	0.00
26/05/2023 20:50					0.00
26/05/2023 21:00	0.0	22	3	0.4	0.00
26/05/2023 21:10	0.2	5	6	0.8	0.00
26/05/2023 21:20	0.1	13	4	0.7	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/05/2023 21:30	0.7	16	12	1.1	0.00
26/05/2023 21:40	0.7	22	12	1.1	0.00
26/05/2023 21:50	0.8	26	11	1.1	0.00
26/05/2023 22:00	1.0	31	16	1.5	0.00
26/05/2023 22:10	0.8	32	19	1.3	0.00
26/05/2023 22:20	0.4	36	13	1.0	0.00
26/05/2023 22:30	0.6	35	17	1.3	0.00
26/05/2023 22:40	0.8	35	17	1.4	0.00
26/05/2023 22:50	0.5	52	26	1.6	0.00
26/05/2023 23:00	0.6	60	32	1.5	0.00
26/05/2023 23:10	0.2	75	24	0.9	0.00
26/05/2023 23:20	0.4	45	26	0.9	0.00
26/05/2023 23:30	0.1	28	13	0.7	0.00
26/05/2023 23:40	0.3	60	18	0.8	0.00
26/05/2023 23:50	1.3	89	28	2.4	0.00
27/05/2023 00:00	1.7	95	26	2.7	0.00
27/05/2023 00:10	1.8	92	30	3.1	0.00
27/05/2023 00:20	1.1	87	34	2.2	0.00
27/05/2023 00:30	1.4	99	31	3.2	0.00
27/05/2023 00:40	1.5	94	30	2.4	0.00
27/05/2023 00:50	1.7	96	28	3.2	0.00
27/05/2023 01:00	1.7	97	29	2.9	0.00
27/05/2023 01:10	1.8	101	32	3.0	0.00
27/05/2023 01:20	1.6	106	38	3.4	0.00
27/05/2023 01:30	1.9	104	31	3.9	0.00
27/05/2023 01:40	2.0	107	31	3.5	0.00
27/05/2023 01:50	1.8	102	33	3.2	0.00
27/05/2023 02:00	1.8	104	31	2.8	0.00
27/05/2023 02:10	1.8	98	27	3.5	0.00
27/05/2023 02:20	1.8	99	36	3.6	0.00
27/05/2023 02:30	2.0	106	35	3.6	0.00
27/05/2023 02:40	2.2	105	32	3.8	0.00
27/05/2023 02:50	2.3	105	32	3.6	0.00
27/05/2023 03:00	2.5	103	30	4.8	0.00
27/05/2023 03:10	2.4	105	37	4.2	0.00
27/05/2023 03:20	2.5	104	31	4.2	0.00
27/05/2023 03:30	2.4	109	40	4.5	0.00
27/05/2023 03:40	2.5	115	37	4.5	0.00
27/05/2023 03:50	2.5	108	34	4.4	0.00
27/05/2023 04:00	2.6	101	31	4.8	0.00
27/05/2023 04:10	2.5	109	32	4.9	0.00
27/05/2023 04:20	2.5	107	34	4.4	0.00
27/05/2023 04:30	2.3	106	31	4.1	0.00
27/05/2023 04:40	2.1	107	31	3.9	0.00
27/05/2023 04:50	2.3	99	29	3.9	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/05/2023 05:00	1.8	117	33	3.6	0.00
27/05/2023 05:10	1.7	127	32	3.0	0.00
27/05/2023 05:20	1.6	112	36	2.8	0.00
27/05/2023 05:30	1.6	122	33	2.8	0.00
27/05/2023 05:40	1.4	119	38	2.7	0.00
27/05/2023 05:50	1.2	94	32	2.2	0.00
27/05/2023 06:00	1.4	95	36	2.8	0.00
27/05/2023 06:10	1.6	107	40	2.8	0.00
27/05/2023 06:20	1.5	106	30	2.9	0.00
27/05/2023 06:30	1.5	106	33	2.6	0.00
27/05/2023 06:40	1.3	120	35	2.4	0.00
27/05/2023 06:50	1.4	107	33	2.8	0.00
27/05/2023 07:00	1.5	98	28	2.7	0.00
27/05/2023 07:10	1.4	99	37	3.0	0.00
27/05/2023 07:20	1.5	92	27	2.6	0.00
27/05/2023 07:30	1.6	91	28	3.0	0.00
27/05/2023 07:40	1.9	100	33	3.4	0.00
27/05/2023 07:50	1.8	106	30	3.2	0.00
27/05/2023 08:00	1.8	103	33	3.3	0.00
27/05/2023 08:10	1.8	106	32	3.1	0.00
27/05/2023 08:20	1.9	116	28	3.2	0.00
27/05/2023 08:30	2.2	111	37	4.3	0.00
27/05/2023 08:40	2.1	111	28	3.6	0.00
27/05/2023 08:50	2.0	116	40	3.3	0.00
27/05/2023 09:00	2.0	114	34	3.6	0.00
27/05/2023 09:10	2.2	121	33	3.6	0.00
27/05/2023 09:20	2.3	110	31	3.8	0.00
27/05/2023 09:30	2.5	101	29	4.5	0.00
27/05/2023 09:40	2.2	104	29	3.6	0.00
27/05/2023 09:50	2.3	105	32	3.8	0.00
27/05/2023 10:00	2.3	103	33	4.1	0.00
27/05/2023 10:10	2.5	84	32	4.4	0.00
27/05/2023 10:20	2.1	86	29	3.4	0.00
27/05/2023 10:30	2.6	91	31	4.4	0.00
27/05/2023 10:40	2.5	87	30	4.2	0.00
27/05/2023 10:50	2.4	78	27	4.4	0.00
27/05/2023 11:00	2.7	71	24	4.5	0.00
27/05/2023 11:10	2.6	88	28	4.4	0.00
27/05/2023 11:20	2.4	54	23	3.9	0.00
27/05/2023 11:30	2.8	53	20	5.2	0.00
27/05/2023 11:40	2.7	53	24	4.8	0.00
27/05/2023 11:50	2.6	53	27	4.6	0.00
27/05/2023 12:00	2.9	56	24	4.7	0.00
27/05/2023 12:10	2.7	60	26	4.8	0.00
27/05/2023 12:20	2.9	55	22	5.2	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/05/2023 12:30	2.9	54	23	4.8	0.00
27/05/2023 12:40	2.7	62	22	4.4	0.00
27/05/2023 12:50	2.9	58	23	4.4	0.00
27/05/2023 13:00	2.9	57	22	5.2	0.00
27/05/2023 13:10	2.6	66	20	4.4	0.00
27/05/2023 13:20	2.7	58	25	4.9	0.00
27/05/2023 13:30	2.8	60	23	4.8	0.00
27/05/2023 13:40	2.5	57	26	4.4	0.00
27/05/2023 13:50	2.5	60	23	3.8	0.00
27/05/2023 14:00	2.4	59	25	3.5	0.00
27/05/2023 14:10	2.5	56	21	4.2	0.00
27/05/2023 14:20	2.4	58	23	3.8	0.00
27/05/2023 14:30	2.6	55	22	4.1	0.00
27/05/2023 14:40	2.1	57	22	3.7	0.00
27/05/2023 14:50	2.5	52	22	3.8	0.00
27/05/2023 15:00	2.6	51	20	4.0	0.00
27/05/2023 15:10	2.2	49	22	3.2	0.00
27/05/2023 15:20	2.4	47	21	3.8	0.00
27/05/2023 15:30	2.3	49	25	4.1	0.00
27/05/2023 15:40	2.4	50	19	3.8	0.00
27/05/2023 15:50	2.2	50	22	3.4	0.00
27/05/2023 16:00	2.0	53	19	3.2	0.00
27/05/2023 16:10	2.1	52	20	3.5	0.00
27/05/2023 16:20	1.9	53	20	2.8	0.00
27/05/2023 16:30	2.0	48	19	2.8	0.00
27/05/2023 16:40	2.0	46	17	2.9	0.00
27/05/2023 16:50	1.7	49	16	2.5	0.00
27/05/2023 17:00	1.2	46	17	1.7	0.00
27/05/2023 17:10	1.2	35	19	1.6	0.00
27/05/2023 17:20	1.4	35	17	2.2	0.00
27/05/2023 17:30	1.5	32	18	2.1	0.00
27/05/2023 17:40	1.5	25	17	2.0	0.00
27/05/2023 17:50	1.5	25	17	2.2	0.00
27/05/2023 18:00	1.5	22	17	2.2	0.00
27/05/2023 18:10	1.6	21	18	2.2	0.00
27/05/2023 18:20	1.4	22	20	1.9	0.00
27/05/2023 18:30	1.4	15	15	2.1	0.00
27/05/2023 18:40	1.2	14	16	1.7	0.00
27/05/2023 18:50	1.1	6	21	1.6	0.00
27/05/2023 19:00	1.0	3	18	1.4	0.00
27/05/2023 19:10	0.9	6	19	1.2	0.00
27/05/2023 19:20	0.9	11	20	1.3	0.00
27/05/2023 19:30	0.5	32	23	0.8	0.00
27/05/2023 19:40	0.8	8	22	1.2	0.00
27/05/2023 19:50	0.6	7	25	1.1	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/05/2023 20:00	0.6	8	29	1.1	0.00
27/05/2023 20:10	0.4	100	12	0.9	0.00
27/05/2023 20:20	0.3	352	7	0.8	0.00
27/05/2023 20:30	0.2	170	5	0.7	0.00
27/05/2023 20:40	0.6	350	8	1.0	0.00
27/05/2023 20:50	0.9	179	15	1.2	0.00
27/05/2023 21:00	0.7	355	14	1.2	0.00
27/05/2023 21:10	0.9	350	11	1.2	0.00
27/05/2023 21:20	1.0	349	9	1.4	0.00
27/05/2023 21:30	1.0	347	12	1.5	0.00
27/05/2023 21:40	1.0	345	10	1.6	0.00
27/05/2023 21:50	0.5	348	15	1.4	0.00
27/05/2023 22:00	1.1	347	16	1.5	0.00
27/05/2023 22:10	0.7	189	42	1.4	0.00
27/05/2023 22:20	0.3	347	10	0.7	0.00
27/05/2023 22:30	0.4	177	7	1.1	0.00
27/05/2023 22:40	0.4	13	11	0.9	0.00
27/05/2023 22:50	0.8	175	14	1.1	0.00
27/05/2023 23:00	1.1	337	14	1.5	0.00
27/05/2023 23:10	1.1	345	14	1.4	0.00
27/05/2023 23:20	0.1	332	16	0.7	0.00
27/05/2023 23:30	0.7	353	14	1.4	0.00
27/05/2023 23:40	1.0	351	13	1.3	0.00
27/05/2023 23:50	1.0	341	11	1.2	0.00
28/05/2023 00:00	1.1	345	9	1.3	0.00
28/05/2023 00:10	1.2	344	10	1.5	0.00
28/05/2023 00:20	1.2	341	7	1.4	0.00
28/05/2023 00:30	1.1	342	11	1.3	0.00
28/05/2023 00:40	1.1	349	8	1.5	0.00
28/05/2023 00:50	0.3	331	11	0.7	0.00
28/05/2023 01:00	0.5	216	26	1.6	0.00
28/05/2023 01:10	0.4	223	26	1.1	0.00
28/05/2023 01:20	0.2	246	20	0.6	0.00
28/05/2023 01:30	0.2	245	33	0.8	0.00
28/05/2023 01:40	0.3	16	25	0.7	0.00
28/05/2023 01:50	0.4	29	17	0.8	0.00
28/05/2023 02:00	0.5	33	25	0.9	0.00
28/05/2023 02:10	0.4	33	24	0.8	0.00
28/05/2023 02:20	0.2	59	16	0.9	0.00
28/05/2023 02:30	0.6	81	35	1.5	0.00
28/05/2023 02:40	0.6	39	36	1.0	0.00
28/05/2023 02:50	0.8	61	30	1.3	0.00
28/05/2023 03:00	1.0	85	35	2.0	0.00
28/05/2023 03:10	1.5	103	31	3.0	0.00
28/05/2023 03:20	1.5	98	32	2.9	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/05/2023 03:30	1.8	98	31	3.2	0.00
28/05/2023 03:40	1.4	99	30	2.6	0.00
28/05/2023 03:50	2.1	94	28	3.6	0.00
28/05/2023 04:00	2.3	89	24	4.4	0.00
28/05/2023 04:10	2.3	96	32	4.0	0.00
28/05/2023 04:20	2.5	91	29	4.9	0.00
28/05/2023 04:30	2.3	98	29	3.9	0.00
28/05/2023 04:40	2.1	98	29	4.3	0.00
28/05/2023 04:50	2.7	102	29	4.9	0.00
28/05/2023 05:00	2.8	95	27	4.8	0.00
28/05/2023 05:10	3.1	91	28	5.3	0.00
28/05/2023 05:20	2.5	96	31	4.8	0.00
28/05/2023 05:30	2.4	93	25	4.4	0.00
28/05/2023 05:40	2.4	86	25	3.9	0.00
28/05/2023 05:50	2.5	88	26	3.9	0.00
28/05/2023 06:00	2.5	96	30	3.6	0.00
28/05/2023 06:10	2.7	99	28	4.8	0.00
28/05/2023 06:20	2.5	99	34	4.8	0.00
28/05/2023 06:30	3.2	92	26	5.3	0.00
28/05/2023 06:40	2.6	93	30	4.9	0.00
28/05/2023 06:50	2.8	93	26	4.8	0.00
28/05/2023 07:00	3.1	97	30	5.6	0.00
28/05/2023 07:10	3.0	95	28	5.0	0.00
28/05/2023 07:20	2.8	93	33	4.8	0.00
28/05/2023 07:30	3.1	99	28	5.3	0.00
28/05/2023 07:40	2.9	97	27	5.7	0.00
28/05/2023 07:50	2.6	101	35	4.0	0.00
28/05/2023 08:00	2.7	100	32	4.8	0.00
28/05/2023 08:10	2.5	99	33	4.8	0.00
28/05/2023 08:20	2.7	95	31	4.9	0.00
28/05/2023 08:30	2.8	97	29	5.5	0.00
28/05/2023 08:40	2.8	93	30	4.7	0.00
28/05/2023 08:50	3.1	93	32	5.7	0.00
28/05/2023 09:00	3.1	90	25	5.1	0.00
28/05/2023 09:10	3.8	90	23	6.2	0.00
28/05/2023 09:20	3.5	83	21	6.4	0.00
28/05/2023 09:30	3.8	79	24	6.3	0.00
28/05/2023 09:40	4.1	79	22	6.7	0.00
28/05/2023 09:50	3.8	83	24	6.1	0.00
28/05/2023 10:00	4.1	83	25	6.5	0.00
28/05/2023 10:10	3.6	81	24	6.3	0.00
28/05/2023 10:20	3.5	81	26	5.9	0.00
28/05/2023 10:30	3.7	77	20	6.7	0.00
28/05/2023 10:40	3.9	85	22	7.5	0.00
28/05/2023 10:50	3.6	69	20	6.3	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/05/2023 11:00	3.6	73	25	5.8	0.00
28/05/2023 11:10	3.3	69	23	5.3	0.00
28/05/2023 11:20	3.7	73	28	6.7	0.00
28/05/2023 11:30	3.8	74	25	5.6	0.00
28/05/2023 11:40	3.4	71	25	6.0	0.00
28/05/2023 11:50	3.1	63	25	5.0	0.00
28/05/2023 12:00	3.1	68	24	4.9	0.00
28/05/2023 12:10	2.9	67	25	4.8	0.00
28/05/2023 12:20	3.0	57	23	5.2	0.00
28/05/2023 12:30	3.3	60	26	5.6	0.00
28/05/2023 12:40	3.1	61	21	4.8	0.00
28/05/2023 12:50	3.2	67	22	5.5	0.00
28/05/2023 13:00	3.5	68	22	5.3	0.00
28/05/2023 13:10	3.3	60	20	5.5	0.00
28/05/2023 13:20	3.9	48	21	5.8	0.00
28/05/2023 13:30	3.6	46	20	5.7	0.00
28/05/2023 13:40	3.6	53	19	6.7	0.00
28/05/2023 13:50	3.7	56	22	5.7	0.00
28/05/2023 14:00	3.5	59	20	5.6	0.00
28/05/2023 14:10	3.3	67	19	4.9	0.00
28/05/2023 14:20	3.5	54	23	5.7	0.00
28/05/2023 14:30	3.4	55	21	5.6	0.00
28/05/2023 14:40	3.4	52	21	5.2	0.00
28/05/2023 14:50	3.1	47	21	4.7	0.00
28/05/2023 15:00	3.0	47	23	4.6	0.00
28/05/2023 15:10	3.0	53	18	4.6	0.00
28/05/2023 15:20	2.9	46	25	4.7	0.00
28/05/2023 15:30	3.2	54	21	5.0	0.00
28/05/2023 15:40	3.5	53	19	5.6	0.00
28/05/2023 15:50	3.0	61	21	4.8	0.00
28/05/2023 16:00	3.0	52	20	5.1	0.00
28/05/2023 16:10	3.1	46	20	4.8	0.00
28/05/2023 16:20	2.9	47	20	4.8	0.00
28/05/2023 16:30	2.7	41	21	4.8	0.00
28/05/2023 16:40	3.0	40	20	4.4	0.00
28/05/2023 16:50	2.7	45	20	4.2	0.00
28/05/2023 17:00	2.4	46	20	3.4	0.00
28/05/2023 17:10	2.2	44	17	3.6	0.00
28/05/2023 17:20	1.9	46	18	2.8	0.00
28/05/2023 17:30	1.9	46	19	2.9	0.00
28/05/2023 17:40	1.9	42	19	2.8	0.00
28/05/2023 17:50	1.9	42	20	2.9	0.00
28/05/2023 18:00	1.5	41	18	2.4	0.00
28/05/2023 18:10	1.5	40	16	2.4	0.00
28/05/2023 18:20	1.4	39	22	2.0	0.00



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/05/2023 18:30	1.3	34	20	2.0	0.00
28/05/2023 18:40	1.0	37	22	1.6	0.00
28/05/2023 18:50	0.9	228	21	1.2	0.00
28/05/2023 19:00	0.2	146	3	0.7	0.00
28/05/2023 19:10	0.4	28	10	0.7	0.00
28/05/2023 19:20	0.7	12	16	1.2	0.00
28/05/2023 19:30	0.9	11	20	1.3	0.00
28/05/2023 19:40	1.0	20	15	1.4	0.00
28/05/2023 19:50	0.5	12	19	0.8	0.00
28/05/2023 20:00	0.5	4	17	0.8	0.00
28/05/2023 20:10	0.1	351	9	0.8	0.00
28/05/2023 20:20	0.4	21	6	0.8	0.00
28/05/2023 20:30	0.4	190	18	0.8	0.00
28/05/2023 20:40	0.3	41	20	0.6	0.00
28/05/2023 20:50	0.0	7	0	0.4	0.00
28/05/2023 21:00	0.3	184	7	0.7	0.00
28/05/2023 21:10	0.2	177	6	0.6	0.00
28/05/2023 21:20	0.4	177	13	0.8	0.00
28/05/2023 21:30	0.4	350	12	0.8	0.00
28/05/2023 21:40	0.6	353	12	0.8	0.00
28/05/2023 21:50	0.1	344	2	0.5	0.00
28/05/2023 22:00					0.00
28/05/2023 22:10	0.2	352	4	0.6	0.00
28/05/2023 22:20	0.6	178	13	1.1	0.00
28/05/2023 22:30	1.0	346	12	1.3	0.00
28/05/2023 22:40	0.9	348	12	1.2	0.00
28/05/2023 22:50	0.8	4	16	1.2	0.00
28/05/2023 23:00	1.0	18	16	1.2	0.00
28/05/2023 23:10	0.7	26	21	1.2	0.00
28/05/2023 23:20	0.8	25	20	1.2	0.00
28/05/2023 23:30	0.6	16	23	1.0	0.00
28/05/2023 23:40	0.2	17	14	0.8	0.00
28/05/2023 23:50	0.6	353	16	1.0	0.00
29/05/2023 00:00	0.2	349	8	0.7	0.00
29/05/2023 00:10	0.8	340	11	1.2	0.00
29/05/2023 00:20	0.2	330	17	0.7	0.00
29/05/2023 00:30	0.4	274	11	0.9	0.00
29/05/2023 00:40	0.1	288	13	0.7	0.00
29/05/2023 00:50	0.6	251	12	1.1	0.00
29/05/2023 01:00	0.2	258	7	0.9	0.00
29/05/2023 01:10					0.00
29/05/2023 01:20					0.00
29/05/2023 01:30	0.2	18	4	0.6	0.00
29/05/2023 01:40	0.5	18	11	0.8	0.00
29/05/2023 01:50	0.1	197	7	0.5	0.00





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/05/2023 02:00	0.1	43	13	0.6	0.00
29/05/2023 02:10	0.1	32	11	0.7	0.00
29/05/2023 02:20	0.6	46	16	1.2	0.00
29/05/2023 02:30	0.5	54	25	1.2	0.00
29/05/2023 02:40	0.5	44	29	1.2	0.00
29/05/2023 02:50	0.8	46	28	1.4	0.00
29/05/2023 03:00	0.7	43	23	1.2	0.00
29/05/2023 03:10	0.4	43	15	0.8	0.00
29/05/2023 03:20	0.5	54	21	1.1	0.00
29/05/2023 03:30	0.4	39	16	0.8	0.00
29/05/2023 03:40	0.2	28	20	0.7	0.00
29/05/2023 03:50	0.1	38	17	0.6	0.00
29/05/2023 04:00	0.4	49	20	0.8	0.00
29/05/2023 04:10	0.4	49	22	0.8	0.00
29/05/2023 04:20	0.1	35	5	0.5	0.00
29/05/2023 04:30	0.1	264	6	0.6	0.00
29/05/2023 04:40					0.00
29/05/2023 04:50	0.2	46	18	0.9	0.00
29/05/2023 05:00	0.4	50	24	0.9	0.00
29/05/2023 05:10	0.1	38	16	0.7	0.00
29/05/2023 05:20	0.1	182	14	0.6	0.00
29/05/2023 05:30	0.4	55	21	1.0	0.00
29/05/2023 05:40	0.7	76	30	2.0	0.00
29/05/2023 05:50	1.2	88	22	2.2	0.00
29/05/2023 06:00	1.5	99	34	2.6	0.00
29/05/2023 06:10	1.6	101	32	2.8	0.00
29/05/2023 06:20	1.6	106	28	3.7	0.00
29/05/2023 06:30	1.7	101	37	2.9	0.00
29/05/2023 06:40	2.0	98	31	3.1	0.00
29/05/2023 06:50	2.6	95	25	4.6	0.00
29/05/2023 07:00	2.8	101	32	5.1	0.00
29/05/2023 07:10	2.7	97	32	4.6	0.00
29/05/2023 07:20	2.6	92	28	4.4	0.00
29/05/2023 07:30	2.7	100	26	4.6	0.00
29/05/2023 07:40	2.7	97	32	4.8	0.00
29/05/2023 07:50	2.8	97	29	4.7	0.00
29/05/2023 08:00	2.7	101	33	4.4	0.00
29/05/2023 08:10	2.7	95	29	4.8	0.00
29/05/2023 08:20	2.5	95	34	4.3	0.00
29/05/2023 08:30	2.7	95	30	4.5	0.00
29/05/2023 08:40	2.8	91	30	4.8	0.00
29/05/2023 08:50	3.9	79	23	6.7	0.00
29/05/2023 09:00	3.9	88	24	6.6	0.00
29/05/2023 09:10	4.4	86	23	7.6	0.00
29/05/2023 09:20	3.7	92	27	6.4	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/05/2023 09:30	4.0	89	24	6.4	0.00
29/05/2023 09:40	3.9	89	25	6.8	0.00
29/05/2023 09:50	3.7	84	26	6.6	0.00
29/05/2023 10:00	3.9	88	31	6.4	0.00
29/05/2023 10:10	3.6	79	24	6.1	0.00
29/05/2023 10:20	4.5	75	19	7.0	0.00
29/05/2023 10:30	4.5	75	23	7.3	0.00
29/05/2023 10:40	4.6	77	22	7.4	0.00
29/05/2023 10:50	4.1	79	21	7.1	0.00
29/05/2023 11:00	4.4	78	23	7.2	0.00
29/05/2023 11:10	4.8	79	20	7.2	0.00
29/05/2023 11:20	4.7	81	25	7.3	0.00
29/05/2023 11:30	4.8	84	25	7.6	0.00
29/05/2023 11:40	4.1	80	21	6.6	0.00
29/05/2023 11:50	4.7	86	23	7.3	0.00
29/05/2023 12:00	3.9	83	28	6.4	0.00
29/05/2023 12:10	4.5	77	23	7.2	0.00
29/05/2023 12:20	4.2	87	26	6.8	0.00
29/05/2023 12:30	4.2	84	21	6.8	0.00
29/05/2023 12:40	3.6	79	23	5.9	0.00
29/05/2023 12:50	4.2	82	24	6.4	0.00
29/05/2023 13:00	3.9	82	25	6.5	0.00
29/05/2023 13:10	3.6	74	23	6.7	0.00
29/05/2023 13:20	3.8	65	23	6.1	0.00
29/05/2023 13:30	3.6	64	25	6.1	0.00
29/05/2023 13:40	3.9	65	24	6.1	0.00
29/05/2023 13:50	3.9	62	22	6.7	0.00
29/05/2023 14:00	4.1	68	22	6.3	0.00
29/05/2023 14:10	4.1	63	23	6.8	0.00
29/05/2023 14:20	4.5	66	19	7.0	0.00
29/05/2023 14:30	4.1	67	23	6.5	0.00
29/05/2023 14:40	3.9	61	22	6.8	0.00
29/05/2023 14:50	3.7	60	24	6.7	0.00
29/05/2023 15:00	4.1	61	26	7.3	0.00
29/05/2023 15:10	3.8	54	23	6.7	0.00
29/05/2023 15:20	3.7	57	20	6.8	0.00
29/05/2023 15:30	4.0	57	22	6.1	0.00
29/05/2023 15:40	3.7	52	22	6.4	0.00
29/05/2023 15:50	4.1	53	22	6.4	0.00
29/05/2023 16:00	3.6	53	22	5.6	0.00
29/05/2023 16:10	3.4	58	22	5.4	0.00
29/05/2023 16:20	3.0	57	20	5.1	0.00
29/05/2023 16:30	3.0	60	22	5.6	0.00
29/05/2023 16:40	3.1	54	19	5.2	0.00
29/05/2023 16:50	2.7	53	20	4.6	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/05/2023 17:00	2.6	47	17	4.3	0.00
29/05/2023 17:10	2.4	46	18	4.3	0.00
29/05/2023 17:20	2.1	48	25	3.7	0.00
29/05/2023 17:30	1.8	47	22	2.8	0.00
29/05/2023 17:40	1.6	48	20	2.8	0.00
29/05/2023 17:50	1.4	47	20	2.5	0.00
29/05/2023 18:00	1.5	38	17	2.4	0.00
29/05/2023 18:10	1.6	36	20	3.0	0.00
29/05/2023 18:20	1.6	42	21	2.7	0.00
29/05/2023 18:30	0.9	32	30	1.5	0.00
29/05/2023 18:40	0.1	219	12	0.5	0.00
29/05/2023 18:50	0.4	40	4	0.8	0.00
29/05/2023 19:00	0.9	27	12	1.1	0.00
29/05/2023 19:10	0.7	33	14	1.1	0.00
29/05/2023 19:20	0.1	215	6	0.4	0.00
29/05/2023 19:30	0.8	243	6	1.1	0.00
29/05/2023 19:40	1.2	244	4	1.3	0.00
29/05/2023 19:50	0.5	299	13	0.8	0.00
29/05/2023 20:00	0.2	316	4	0.9	0.00
29/05/2023 20:10	0.5	329	7	0.9	0.00
29/05/2023 20:20	0.7	349	9	1.0	0.00
29/05/2023 20:30	1.2	332	6	1.4	0.00
29/05/2023 20:40	0.9	333	9	1.2	0.00
29/05/2023 20:50	1.1	343	8	1.4	0.00
29/05/2023 21:00	1.0	343	9	1.2	0.00
29/05/2023 21:10	0.8	346	7	1.2	0.00
29/05/2023 21:20	0.7	355	13	1.1	0.00
29/05/2023 21:30	1.0	5	14	1.3	0.00
29/05/2023 21:40	0.8	357	17	1.3	0.00
29/05/2023 21:50	0.6	15	19	0.9	0.00
29/05/2023 22:00	0.2	189	7	0.8	0.00
29/05/2023 22:10	1.0	346	11	1.4	0.00
29/05/2023 22:20	0.8	183	19	1.2	0.00
29/05/2023 22:30	0.8	180	18	1.2	0.00
29/05/2023 22:40	0.7	173	16	1.1	0.00
29/05/2023 22:50	0.8	356	16	1.2	0.00
29/05/2023 23:00	0.8	6	18	1.1	0.00
29/05/2023 23:10	0.5	3	15	0.9	0.00
29/05/2023 23:20	0.7	354	14	1.1	0.00
29/05/2023 23:30	0.8	354	13	1.2	0.00
29/05/2023 23:40	0.4	169	11	0.8	0.00
29/05/2023 23:50	0.7	14	13	1.0	0.00
30/05/2023 00:00	0.7	348	15	1.2	0.00
30/05/2023 00:10	1.0	355	13	1.4	0.00
30/05/2023 00:20	1.0	351	13	1.2	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/05/2023 00:30	0.9	347	13	1.2	0.00
30/05/2023 00:40	0.9	348	12	1.2	0.00
30/05/2023 00:50	1.0	348	12	1.2	0.00
30/05/2023 01:00	0.9	352	15	1.2	0.00
30/05/2023 01:10	1.0	4	16	1.4	0.00
30/05/2023 01:20	0.9	6	15	1.2	0.00
30/05/2023 01:30	0.8	9	17	1.2	0.00
30/05/2023 01:40	1.0	10	12	1.2	0.00
30/05/2023 01:50	0.9	355	16	1.3	0.00
30/05/2023 02:00	0.9	357	16	1.4	0.00
30/05/2023 02:10	0.9	352	17	1.2	0.00
30/05/2023 02:20	1.1	341	19	1.5	0.00
30/05/2023 02:30	1.0	348	12	1.2	0.00
30/05/2023 02:40	1.0	19	14	1.6	0.00
30/05/2023 02:50	1.1	27	16	1.6	0.00
30/05/2023 03:00	1.0	18	17	1.3	0.00
30/05/2023 03:10	0.6	22	21	1.3	0.00
30/05/2023 03:20	0.8	355	17	1.2	0.00
30/05/2023 03:30	0.8	181	17	1.2	0.00
30/05/2023 03:40	0.9	10	21	1.4	0.00
30/05/2023 03:50	0.6	8	16	0.9	0.00
30/05/2023 04:00	0.3	181	15	0.8	0.00
30/05/2023 04:10	0.6	6	12	1.0	0.00
30/05/2023 04:20	0.4	4	12	0.8	0.00
30/05/2023 04:30	0.0	281	3	0.4	0.00
30/05/2023 04:40	0.1	277	10	0.5	0.00
30/05/2023 04:50	0.0	317	0	0.4	0.00
30/05/2023 05:00	0.1	357	9	0.6	0.00
30/05/2023 05:10	0.2	20	10	0.6	0.00
30/05/2023 05:20	0.3	5	13	0.8	0.00
30/05/2023 05:30	0.2	126	10	0.8	0.00
30/05/2023 05:40	0.5	252	20	1.1	0.00
30/05/2023 05:50	0.5	141	25	0.9	0.00
30/05/2023 06:00	0.2	16	9	0.6	0.00
30/05/2023 06:10	0.6	10	16	0.9	0.00
30/05/2023 06:20	0.4	11	19	1.0	0.00
30/05/2023 06:30	0.5	21	18	0.8	0.00
30/05/2023 06:40	0.3	18	25	0.8	0.00
30/05/2023 06:50	0.3	24	18	0.7	0.00
30/05/2023 07:00	0.6	29	17	1.0	0.00
30/05/2023 07:10	0.6	35	23	1.1	0.00
30/05/2023 07:20	0.5	28	20	1.2	0.00
30/05/2023 07:30	0.4	14	17	0.9	0.00
30/05/2023 07:40	0.3	62	20	0.9	0.00
30/05/2023 07:50	0.3	55	21	0.8	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/05/2023 08:00	1.0	100	30	1.7	0.00
30/05/2023 08:10	1.0	104	27	1.8	0.00
30/05/2023 08:20	1.6	90	30	2.7	0.00
30/05/2023 08:30	1.9	100	34	3.5	0.00
30/05/2023 08:40	2.0	102	29	3.3	0.00
30/05/2023 08:50	2.4	89	27	4.1	0.00
30/05/2023 09:00	2.6	81	20	4.0	0.00
30/05/2023 09:10	3.0	81	21	5.0	0.00
30/05/2023 09:20	2.8	85	26	5.4	0.00
30/05/2023 09:30	2.5	76	22	3.8	0.00
30/05/2023 09:40	3.0	72	22	5.0	0.00
30/05/2023 09:50	3.0	81	26	4.8	0.00
30/05/2023 10:00	3.2	78	23	5.3	0.00
30/05/2023 10:10	3.1	76	27	5.1	0.00
30/05/2023 10:20	3.3	76	24	5.5	0.00
30/05/2023 10:30	3.5	81	20	5.3	0.00
30/05/2023 10:40	3.3	79	24	5.7	0.00
30/05/2023 10:50	3.8	82	25	6.0	0.00
30/05/2023 11:00	3.5	77	23	5.5	0.00
30/05/2023 11:10	3.3	82	24	5.0	0.00
30/05/2023 11:20	3.5	87	24	5.1	0.00
30/05/2023 11:30	3.2	92	23	5.3	0.00
30/05/2023 11:40	3.5	85	23	5.7	0.00
30/05/2023 11:50	3.3	79	25	5.0	0.00
30/05/2023 12:00	3.5	81	23	5.6	0.00
30/05/2023 12:10	3.1	88	27	5.5	0.00
30/05/2023 12:20	2.8	87	28	4.8	0.00
30/05/2023 12:30	3.0	91	26	4.5	0.00
30/05/2023 12:40	3.2	86	25	5.4	0.00
30/05/2023 12:50	2.9	63	27	4.5	0.00
30/05/2023 13:00	2.7	58	22	5.1	0.00
30/05/2023 13:10	2.6	60	26	4.4	0.00
30/05/2023 13:20	2.6	68	25	4.0	0.00
30/05/2023 13:30	2.7	61	26	4.5	0.00
30/05/2023 13:40	2.7	65	27	4.8	0.00
30/05/2023 13:50	3.0	59	21	5.4	0.00
30/05/2023 14:00	2.9	57	25	5.7	0.00
30/05/2023 14:10	3.1	61	25	6.2	0.00
30/05/2023 14:20	2.8	63	23	4.7	0.00
30/05/2023 14:30	2.9	64	22	4.5	0.00
30/05/2023 14:40	2.9	65	25	4.4	0.00
30/05/2023 14:50	2.9	63	26	4.6	0.00
30/05/2023 15:00	2.8	55	23	4.6	0.00
30/05/2023 15:10	2.9	53	28	4.7	0.00
30/05/2023 15:20	3.4	58	21	4.9	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/05/2023 15:30	3.0	52	22	4.8	0.00
30/05/2023 15:40	3.0	58	20	4.8	0.00
30/05/2023 15:50	2.6	61	22	4.4	0.00
30/05/2023 16:00	2.7	52	24	4.4	0.00
30/05/2023 16:10	2.4	51	18	3.9	0.00
30/05/2023 16:20	2.2	58	21	3.5	0.00
30/05/2023 16:30	2.2	61	21	3.8	0.00
30/05/2023 16:40	2.2	60	22	3.3	0.00
30/05/2023 16:50	1.9	52	19	3.2	0.00
30/05/2023 17:00	1.9	54	21	3.2	0.00
30/05/2023 17:10	1.9	53	17	3.2	0.00
30/05/2023 17:20	1.7	51	15	2.4	0.00
30/05/2023 17:30	1.8	49	14	2.5	0.00
30/05/2023 17:40	1.2	56	14	1.7	0.00
30/05/2023 17:50	0.9	45	17	1.5	0.00
30/05/2023 18:00	0.9	42	16	1.3	0.00
30/05/2023 18:10	0.9	41	18	1.3	0.00
30/05/2023 18:20	0.8	38	15	1.1	0.00
30/05/2023 18:30	0.8	28	12	1.1	0.00
30/05/2023 18:40	0.8	24	12	1.2	0.00
30/05/2023 18:50	0.4	32	14	0.9	0.00
30/05/2023 19:00	0.3	36	8	0.8	0.00
30/05/2023 19:10	0.3	24	11	0.7	0.00
30/05/2023 19:20	0.0	76	2	0.4	0.00
30/05/2023 19:30	0.2	58	5	0.6	0.00
30/05/2023 19:40	0.6	20	16	1.0	0.00
30/05/2023 19:50	0.7	7	22	1.2	0.00
30/05/2023 20:00	0.5	354	20	1.2	0.00
30/05/2023 20:10					0.00
30/05/2023 20:20	0.5	7	15	0.9	0.00
30/05/2023 20:30	0.5	10	18	0.9	0.00
30/05/2023 20:40	0.7	13	16	1.1	0.00
30/05/2023 20:50	0.2	98	5	0.6	0.00
30/05/2023 21:00	0.2	33	4	0.7	0.00
30/05/2023 21:10	0.0	65	4	0.4	0.00
30/05/2023 21:20					0.00
30/05/2023 21:30	0.1	9	4	0.6	0.00
30/05/2023 21:40	0.3	8	9	0.8	0.00
30/05/2023 21:50	0.7	12	10	0.9	0.00
30/05/2023 22:00	0.8	8	14	1.1	0.00
30/05/2023 22:10	0.8	10	14	1.2	0.00
30/05/2023 22:20	0.7	182	16	1.0	0.00
30/05/2023 22:30	0.7	3	18	0.9	0.00
30/05/2023 22:40	0.7	353	10	0.9	0.00
30/05/2023 22:50	0.7	9	11	0.8	0.00



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/05/2023 23:00	0.8	179	14	1.4	0.00
30/05/2023 23:10	0.8	5	15	1.2	0.00
30/05/2023 23:20	1.0	178	16	1.4	0.00
30/05/2023 23:30	1.1	347	14	1.5	0.00
30/05/2023 23:40	0.9	349	13	1.2	0.00
30/05/2023 23:50	0.7	349	11	1.2	0.00
31/05/2023 00:00	1.0	343	11	1.2	0.00
31/05/2023 00:10	0.9	353	15	1.2	0
31/05/2023 00:20	0.9	2	14	1.2	0
31/05/2023 00:30	1	348	12	1.2	0
31/05/2023 00:40	1.1	345	7	1.3	0
31/05/2023 00:50	1	347	10	1.2	0
31/05/2023 01:00	1.1	344	8	1.4	0
31/05/2023 01:10	1.1	345	11	1.4	0
31/05/2023 01:20	1.1	345	10	1.3	0
31/05/2023 01:30	1	348	12	1.4	0
31/05/2023 01:40	1.1	350	13	1.4	0
31/05/2023 01:50	1	349	11	1.2	0
31/05/2023 02:00	1.1	352	17	1.5	0
31/05/2023 02:10	1	353	19	1.4	0
31/05/2023 02:20	1	356	19	1.4	0
31/05/2023 02:30	1.1	349	13	1.6	0
31/05/2023 02:40	1.1	346	12	1.5	0
31/05/2023 02:50	0.8	178	20	1.4	0
31/05/2023 03:00	0.1	179	3	0.5	0
31/05/2023 03:10	0.9	178	14	1.2	0
31/05/2023 03:20	0.1	27	10	0.6	0
31/05/2023 03:30	0.4	239	4	1.1	0
31/05/2023 03:40	0.1	189	18	0.7	0
31/05/2023 03:50	0.4	182	11	0.8	0
31/05/2023 04:00	0.7	15	19	1.2	0
31/05/2023 04:10	0.6	17	12	0.8	0
31/05/2023 04:20	0.6	70	34	0.9	0
31/05/2023 04:30	1.2	164	39	2.6	0
31/05/2023 04:40	1.8	194	21	2.8	0
31/05/2023 04:50	1.3	225	25	2.4	0
31/05/2023 05:00	1.4	229	42	2.1	0
31/05/2023 05:10	1.6	232	11	1.9	0
31/05/2023 05:20	1.4	233	12	1.8	0
31/05/2023 05:30	1.2	243	13	1.6	0
31/05/2023 05:40	0.9	256	19	1.3	0
31/05/2023 05:50	1	305	14	1.4	0
31/05/2023 06:00	1.3	343	9	1.7	0
31/05/2023 06:10	1.1	18	19	1.6	0
31/05/2023 06:20	1	20	14	1.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/05/2023 06:30	1	348	10	1.2	0
31/05/2023 06:40	1	352	11	1.2	0
31/05/2023 06:50	0.9	346	9	1.2	0
31/05/2023 07:00	1	345	8	1.2	0
31/05/2023 07:10	0.9	351	16	1.2	0
31/05/2023 07:20	0.9	175	14	1	0
31/05/2023 07:30	0.9	180	15	1.3	0
31/05/2023 07:40	0.8	23	18	1.2	0
31/05/2023 07:50	0.4	33	22	0.9	0
31/05/2023 08:00	0.8	48	26	1.3	0
31/05/2023 08:10	0.5	66	15	1.1	0
31/05/2023 08:20	0.7	68	29	1.4	0
31/05/2023 08:30	0.7	60	31	1.3	0
31/05/2023 08:40	0.7	69	27	1.2	0
31/05/2023 08:50	0.9	75	28	1.6	0
31/05/2023 09:00	0.9	81	32	1.7	0
31/05/2023 09:10	0.9	81	31	1.6	0
31/05/2023 09:20	1.1	87	27	2	0
31/05/2023 09:30	1.3	110	27	2.1	0
31/05/2023 09:40	1.4	123	32	2.2	0
31/05/2023 09:50	1.2	131	31	2.1	0
31/05/2023 10:00	1.3	124	31	2	0
31/05/2023 10:10	1.3	116	36	2	0
31/05/2023 10:20	1.1	141	36	1.7	0
31/05/2023 10:30	1	115	38	1.8	0
31/05/2023 10:40	1	96	29	1.9	0
31/05/2023 10:50	1.2	115	32	2	0
31/05/2023 11:00	1.2	122	36	1.9	0
31/05/2023 11:10	1.5	111	35	2.4	0
31/05/2023 11:20	1.6	102	27	3	0
31/05/2023 11:30	1.5	115	37	2.8	0
31/05/2023 11:40	1.5	74	31	2.6	0
31/05/2023 11:50	1.4	81	30	2.4	0
31/05/2023 12:00	1.5	105	33	2.8	0
31/05/2023 12:10	1.6	92	28	2.5	0
31/05/2023 12:20	1.5	84	29	2.9	0
31/05/2023 12:30	1.7	99	32	3.3	0
31/05/2023 12:40	1.6	69	33	2.6	0
31/05/2023 12:50	1.5	68	29	2.6	0
31/05/2023 13:00	1.6	75	29	2.4	0
31/05/2023 13:10	1.7	75	32	2.8	0
31/05/2023 13:20	2	63	23	3.3	0
31/05/2023 13:30	1.8	69	21	2.7	0
31/05/2023 13:40	2	58	27	3	0
31/05/2023 13:50	2	45	24	3	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/05/2023 14:00	1.9	56	25	3	0
31/05/2023 14:10	1.6	52	25	2.4	0
31/05/2023 14:20	1.5	70	30	2.3	0
31/05/2023 14:30	1.8	84	23	2.8	0
31/05/2023 14:40	1.9	62	23	2.8	0
31/05/2023 14:50	1.7	72	22	2.4	0
31/05/2023 15:00	1.7	66	22	2.8	0
31/05/2023 15:10	1.6	72	22	2.6	0
31/05/2023 15:20	1.7	58	22	2.6	0
31/05/2023 15:30	1.8	49	21	2.7	0
31/05/2023 15:40	1.8	57	21	2.6	0
31/05/2023 15:50	1.6	70	21	2.8	0
31/05/2023 16:00	1.5	57	19	2.2	0
31/05/2023 16:10	1.5	59	21	2.4	0
31/05/2023 16:20	1.4	52	19	2	0
31/05/2023 16:30	1.5	49	17	2.2	0
31/05/2023 16:40	1.6	51	13	2.2	0
31/05/2023 16:50	1.3	48	17	1.9	0
31/05/2023 17:00	1.4	53	13	1.9	0
31/05/2023 17:10	1.2	52	13	1.6	0
31/05/2023 17:20	0.9	56	17	1.4	0
31/05/2023 17:30	0.4	125	24	0.7	0
31/05/2023 17:40	0.7	301	38	1.3	0
31/05/2023 17:50	0.7	286	38	1.2	0
31/05/2023 18:00	0.7	261	40	1.2	0
31/05/2023 18:10	0.7	306	37	1.3	0
31/05/2023 18:20	1.1	327	29	2	0
31/05/2023 18:30	1.2	322	26	1.7	0
31/05/2023 18:40	0.8	330	30	1.6	0
31/05/2023 18:50	0.6	322	31	1.3	0
31/05/2023 19:00	0.9	314	29	1.7	0
31/05/2023 19:10	0.9	324	28	1.6	0
31/05/2023 19:20	0.4	338	37	1.5	0
31/05/2023 19:30	0.4	230	18	1.3	0
31/05/2023 19:40	1.1	225	14	1.6	0
31/05/2023 19:50	1.4	248	8	1.7	0
31/05/2023 20:00	1.2	246	10	1.6	0
31/05/2023 20:10	1.3	237	16	2.1	0
31/05/2023 20:20	1	243	16	1.6	0
31/05/2023 20:30	1.3	265	13	1.9	0
31/05/2023 20:40	1.1	260	18	1.6	0
31/05/2023 20:50	0.5	267	26	1.1	0
31/05/2023 21:00	0.7	241	25	1.5	0
31/05/2023 21:10	1.1	253	14	1.6	0
31/05/2023 21:20	0.9	253	16	1.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/05/2023 21:30	1.1	255	12	1.6	0
31/05/2023 21:40	0.7	279	16	1.2	0
31/05/2023 21:50	0.8	255	17	1.4	0
31/05/2023 22:00	0.1	149	12	0.9	0
31/05/2023 22:10					0
31/05/2023 22:20	0.3	264	8	1.4	0
31/05/2023 22:30	1.5	260	13	2.1	0
31/05/2023 22:40	1.7	258	12	2.4	0
31/05/2023 22:50	2	268	15	2.8	0
31/05/2023 23:00	2.3	271	14	3.2	0
31/05/2023 23:10	2.3	271	16	3.2	0
31/05/2023 23:20	2.5	268	16	3.5	0
31/05/2023 23:30	2.3	273	16	3.2	0
31/05/2023 23:40	2	274	17	2.9	0
31/05/2023 23:50	2	268	16	2.8	0
06/01/2023 00:00	2.1	273	17	2.9	0
06/01/2023 00:10	2.4	268	17	3.3	0
06/01/2023 00:20	2.2	267	15	3	0
06/01/2023 00:30	2.4	272	15	3.4	0
06/01/2023 00:40	2.2	274	17	3.1	0
06/01/2023 00:50	2.2	268	14	3.1	0
06/01/2023 01:00	2.2	266	16	3.1	0
06/01/2023 01:10	2.2	270	14	3.1	0
06/01/2023 01:20	2.1	275	16	2.9	0
06/01/2023 01:30	2.3	273	17	3.3	0
06/01/2023 01:40	2.1	269	16	3	0
06/01/2023 01:50	1.9	273	18	2.8	0
06/01/2023 02:00	1.8	276	18	2.8	0
06/01/2023 02:10	1.8	270	17	2.7	0
06/01/2023 02:20	1.7	267	17	2.4	0
06/01/2023 02:30	1.6	266	16	2.3	0
06/01/2023 02:40	1.6	270	18	2.3	0
06/01/2023 02:50	0.9	255	29	1.7	0
06/01/2023 03:00	0.2	264	14	0.7	0
06/01/2023 03:10	0	39	9	0.4	0
06/01/2023 03:20	0.3	338	18	0.6	0
06/01/2023 03:30	0.5	307	18	1.2	0
06/01/2023 03:40	1.1	256	18	1.6	0
06/01/2023 03:50	0.8	245	13	1.2	0
06/01/2023 04:00	0.5	263	19	0.9	0
06/01/2023 04:10	0.4	311	21	0.8	0
06/01/2023 04:20	1.1	262	26	2.1	0
06/01/2023 04:30	0.8	265	20	1.5	0
06/01/2023 04:40	1.3	267	19	1.9	0
06/01/2023 04:50	0.4	256	37	1.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/01/2023 05:00	0.4	300	18	0.8	0
06/01/2023 05:10	0.3	309	21	0.8	0
06/01/2023 05:20	0.2	330	15	0.8	0
06/01/2023 05:30	0.6	348	12	1.1	0
06/01/2023 05:40	0.6	350	14	1.1	0
06/01/2023 05:50	0.7	351	17	1.1	0
06/01/2023 06:00	0.8	350	15	1.2	0
06/01/2023 06:10	0.7	346	21	1.2	0
06/01/2023 06:20	0.9	349	11	1.2	0
06/01/2023 06:30	1.2	343	9	1.6	0
06/01/2023 06:40	1.3	348	10	1.6	0
06/01/2023 06:50	1	351	15	1.4	0
06/01/2023 07:00	1.2	176	14	1.6	0
06/01/2023 07:10	1.2	350	12	1.6	0
06/01/2023 07:20	1.2	345	11	1.6	0
06/01/2023 07:30	1.1	340	10	1.4	0
06/01/2023 07:40	1	343	9	1.2	0
06/01/2023 07:50	0.8	347	8	1.1	0
06/01/2023 08:00	0.3	30	13	0.8	0
06/01/2023 08:10	0.1	186	5	0.5	0
06/01/2023 08:20	0.5	44	19	0.8	0
06/01/2023 08:30	0.7	86	17	1.2	0
06/01/2023 08:40	0.9	87	19	1.4	0
06/01/2023 08:50	0.7	98	21	1.3	0
06/01/2023 09:00	0.7	107	30	1.2	0
06/01/2023 09:10	0.7	95	30	1.2	0
06/01/2023 09:20	0.9	119	30	1.8	0
06/01/2023 09:30	0.9	105	28	1.6	0
06/01/2023 09:40	1.1	119	29	1.7	0
06/01/2023 09:50	1.3	120	26	2	0
06/01/2023 10:00	1.1	111	31	1.7	0
06/01/2023 10:10	0.9	104	28	1.3	0
06/01/2023 10:20	0.7	98	58	1.2	0
06/01/2023 10:30	0.6	88	46	1.1	0
06/01/2023 10:40	1	231	40	1.5	0
06/01/2023 10:50	0.8	168	44	1.5	0
06/01/2023 11:00	1.2	131	30	2	0
06/01/2023 11:10	1.1	105	31	1.9	0
06/01/2023 11:20	1.1	123	41	1.9	0
06/01/2023 11:30	0.9	124	52	1.8	0
06/01/2023 11:40	1.1	123	49	2.1	0
06/01/2023 11:50	1	123	50	1.7	0
06/01/2023 12:00	1.1	248	57	1.9	0
06/01/2023 12:10	1.7	302	28	2.5	0
06/01/2023 12:20	1.6	273	37	3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/01/2023 12:30	1.2	332	55	2.3	0
06/01/2023 12:40	1.6	287	32	3.1	0
06/01/2023 12:50	2	317	29	3.2	0
06/01/2023 13:00	2.4	330	27	3.7	0
06/01/2023 13:10	2	288	41	3.4	0
06/01/2023 13:20	2	275	31	3.2	0
06/01/2023 13:30	2.3	266	31	3.8	0
06/01/2023 13:40	2	278	35	3.4	0
06/01/2023 13:50	2.4	264	21	3.6	0
06/01/2023 14:00	2.1	281	32	3.2	0
06/01/2023 14:10	2.1	314	37	3.5	0
06/01/2023 14:20	2.1	312	37	3.4	0
06/01/2023 14:30	2.2	316	30	3.6	0
06/01/2023 14:40	1.8	306	42	3.6	0
06/01/2023 14:50	2.2	314	30	3.4	0
06/01/2023 15:00	2.4	312	29	4	0
06/01/2023 15:10	2.7	328	21	4	0
06/01/2023 15:20	2.6	323	27	4.1	0
06/01/2023 15:30	2.8	321	24	4.3	0
06/01/2023 15:40	2.4	318	23	4	0
06/01/2023 15:50	2.3	328	26	3.6	0
06/01/2023 16:00	2.5	330	25	4.2	0
06/01/2023 16:10	2.4	316	26	3.7	0
06/01/2023 16:20	2.7	320	23	4	0
06/01/2023 16:30	2.1	320	31	3.4	0
06/01/2023 16:40	2.1	316	28	3.7	0
06/01/2023 16:50	2	300	37	3.4	0
06/01/2023 17:00	1.8	291	39	3.6	0
06/01/2023 17:10	1.6	305	45	2.8	0
06/01/2023 17:20	1.6	286	47	2.8	0
06/01/2023 17:30	1.7	275	31	2.8	0
06/01/2023 17:40	1.6	283	32	2.6	0
06/01/2023 17:50	1.5	283	39	3	0
06/01/2023 18:00	1.5	269	30	2.2	0
06/01/2023 18:10	1.4	265	26	2.7	0
06/01/2023 18:20	1.2	260	31	1.8	0
06/01/2023 18:30	1.3	294	48	2.5	0
06/01/2023 18:40	0.8	281	41	2	0
06/01/2023 18:50	1.1	306	43	2.2	0
06/01/2023 19:00	1.1	310	35	2	0
06/01/2023 19:10	1.1	311	40	2	0
06/01/2023 19:20	1	321	31	2	0
06/01/2023 19:30	1.2	342	29	2	0
06/01/2023 19:40	1.4	338	32	2.4	0
06/01/2023 19:50	1.2	338	32	2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/01/2023 20:00	1.3	348	35	2.3	0
06/01/2023 20:10	0.9	318	47	2.1	0
06/01/2023 20:20	0.9	319	43	2.1	0
06/01/2023 20:30	1.3	314	28	2.1	0
06/01/2023 20:40	1.7	317	29	2.8	0
06/01/2023 20:50	1.5	294	39	2.5	0
06/01/2023 21:00	1.3	271	34	2.2	0
06/01/2023 21:10	1	284	41	1.9	0
06/01/2023 21:20	1.6	300	35	2.9	0
06/01/2023 21:30	1.4	305	38	2.5	0
06/01/2023 21:40	1.5	305	34	2.6	0
06/01/2023 21:50	1.9	314	23	3.1	0
06/01/2023 22:00	2	311	24	3	0
06/01/2023 22:10	1.6	298	32	3.2	0
06/01/2023 22:20	2	276	27	3.4	0
06/01/2023 22:30	2.4	282	22	3.7	0
06/01/2023 22:40	2.3	270	17	3.2	0
06/01/2023 22:50	2.4	280	20	3.6	0
06/01/2023 23:00	2.5	285	20	4	0
06/01/2023 23:10	2.7	288	20	3.6	0
06/01/2023 23:20	2.5	289	22	3.8	0
06/01/2023 23:30	2.2	276	24	3.2	0
06/01/2023 23:40	2.4	285	22	3.7	0
06/01/2023 23:50	2.8	272	18	4	0
06/02/2023 00:00	2.9	262	17	4	0
06/02/2023 00:10	2.1	241	22	3.6	0
06/02/2023 00:20	2.1	235	23	3.8	0
06/02/2023 00:30	1.8	234	25	3.1	0
06/02/2023 00:40	1.6	250	21	2.7	0
06/02/2023 00:50	2.4	283	20	3.5	0
06/02/2023 01:00	1.4	292	25	2.4	0
06/02/2023 01:10	1.1	300	27	1.9	0
06/02/2023 01:20	1	287	24	1.5	0
06/02/2023 01:30	1.1	285	32	2.3	0
06/02/2023 01:40	0.8	293	25	1.5	0
06/02/2023 01:50	1.2	283	19	1.6	0
06/02/2023 02:00	1.3	293	27	2	0
06/02/2023 02:10	1.2	285	24	1.8	0
06/02/2023 02:20	1.3	286	23	2.4	0
06/02/2023 02:30	1.3	303	27	2.2	0
06/02/2023 02:40	1.1	293	19	1.6	0
06/02/2023 02:50	1.3	274	18	2	0
06/02/2023 03:00	1.6	271	24	2.4	0
06/02/2023 03:10	1.4	275	28	2.3	0
06/02/2023 03:20	1.3	284	26	2.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/02/2023 03:30	1	262	29	2	0
06/02/2023 03:40	1.1	241	33	1.7	0
06/02/2023 03:50	1.3	206	23	2.2	0
06/02/2023 04:00	1.8	205	20	2.8	0
06/02/2023 04:10	1.5	193	22	2.5	0
06/02/2023 04:20	1.5	167	35	2.8	0
06/02/2023 04:30	1.5	161	39	3	0
06/02/2023 04:40	1.3	146	31	2.5	0
06/02/2023 04:50	1.2	126	39	2.1	0
06/02/2023 05:00	0.4	41	28	0.8	0
06/02/2023 05:10	0.6	47	27	1	0
06/02/2023 05:20	0.7	47	21	1.1	0
06/02/2023 05:30	0.3	76	31	1.2	0
06/02/2023 05:40	0.1	140	20	0.7	0
06/02/2023 05:50	0.5	143	29	1.4	0
06/02/2023 06:00	0.9	163	27	1.6	0
06/02/2023 06:10	1	147	35	2.2	0
06/02/2023 06:20	1.5	137	30	2.9	0
06/02/2023 06:30	1.6	132	33	2.7	0
06/02/2023 06:40	1.4	113	25	2.8	0
06/02/2023 06:50	1.1	101	33	1.8	0
06/02/2023 07:00	1.2	104	28	1.8	0
06/02/2023 07:10	1.1	101	31	1.8	0
06/02/2023 07:20	1	109	30	1.7	0
06/02/2023 07:30	1	101	35	1.6	0
06/02/2023 07:40	1.2	101	32	1.9	0
06/02/2023 07:50	1.4	105	31	2.1	0
06/02/2023 08:00	1.6	117	28	2.7	0
06/02/2023 08:10	1.7	120	30	2.6	0
06/02/2023 08:20	1.7	125	31	2.8	0
06/02/2023 08:30	1.9	112	31	3.1	0
06/02/2023 08:40	1.7	125	32	2.8	0
06/02/2023 08:50	1.9	108	28	3.1	0
06/02/2023 09:00	1.8	113	32	3.1	0
06/02/2023 09:10	2.1	108	30	3.2	0
06/02/2023 09:20	2	121	26	3.4	0
06/02/2023 09:30	2	128	28	3.7	0
06/02/2023 09:40	1.9	116	33	3.3	0
06/02/2023 09:50	2.2	126	31	4	0
06/02/2023 10:00	2.1	111	37	3.4	0
06/02/2023 10:10	2.2	104	32	3.5	0
06/02/2023 10:20	2.5	97	23	4	0
06/02/2023 10:30	2.1	95	32	3.5	0
06/02/2023 10:40	2.5	95	23	4.1	0
06/02/2023 10:50	2.2	77	29	3.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/02/2023 11:00	2.3	87	28	3.6	0
06/02/2023 11:10	2.2	82	27	3.2	0
06/02/2023 11:20	2.3	83	26	3.6	0
06/02/2023 11:30	2.7	93	29	4.2	0
06/02/2023 11:40	2.3	78	29	3.5	0
06/02/2023 11:50	2.3	76	24	3.6	0
06/02/2023 12:00	2.3	70	25	3.7	0
06/02/2023 12:10	2.5	63	21	3.7	0
06/02/2023 12:20	2.4	63	24	3.7	0
06/02/2023 12:30	2.2	80	27	3.4	0
06/02/2023 12:40	2.4	74	24	4.2	0
06/02/2023 12:50	2.5	61	22	4.1	0
06/02/2023 13:00	2.8	54	23	4.6	0
06/02/2023 13:10	2.8	58	20	4.7	0
06/02/2023 13:20	2.7	62	24	4.4	0
06/02/2023 13:30	3	53	21	4.7	0
06/02/2023 13:40	2.9	50	25	5	0
06/02/2023 13:50	3	57	20	4.5	0
06/02/2023 14:00	2.9	56	19	5	0
06/02/2023 14:10	3.2	57	27	4.9	0
06/02/2023 14:20	3	55	23	4.9	0
06/02/2023 14:30	2.8	55	20	4.4	0
06/02/2023 14:40	2.8	64	20	4	0
06/02/2023 14:50	2.6	60	24	4.4	0
06/02/2023 15:00	3.1	63	19	5.1	0
06/02/2023 15:10	2.9	52	19	4.6	0
06/02/2023 15:20	2.4	53	26	3.8	0
06/02/2023 15:30	2.5	45	22	4.1	0
06/02/2023 15:40	2.2	54	22	3.3	0
06/02/2023 15:50	2.5	44	20	3.9	0
06/02/2023 16:00	2.2	48	20	3.5	0
06/02/2023 16:10	1.9	34	21	3	0
06/02/2023 16:20	1.9	40	24	3.3	0
06/02/2023 16:30	2	26	25	3.6	0
06/02/2023 16:40	2.1	22	31	3.6	0
06/02/2023 16:50	2.3	20	25	3.8	0
06/02/2023 17:00	1.7	13	31	3.1	0
06/02/2023 17:10	2	351	34	3.9	0
06/02/2023 17:20	1.9	178	32	3.4	0
06/02/2023 17:30	2.3	357	26	3.8	0
06/02/2023 17:40	2.3	342	28	4.4	0
06/02/2023 17:50	2.2	353	26	3.9	0
06/02/2023 18:00	2.2	346	23	3.4	0
06/02/2023 18:10	2.3	342	20	3.7	0
06/02/2023 18:20	3	344	20	4.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/02/2023 18:30	2.5	348	26	3.8	0
06/02/2023 18:40	1.8	305	31	2.8	0
06/02/2023 18:50	2.3	254	13	3.5	0
06/02/2023 19:00	2.3	253	15	3.2	0
06/02/2023 19:10	2.5	251	15	3.9	0
06/02/2023 19:20	2.2	255	17	3.5	0
06/02/2023 19:30	2.2	255	16	3.5	0
06/02/2023 19:40	2.5	254	13	4	0
06/02/2023 19:50	2.4	256	17	3.5	0
06/02/2023 20:00	2.3	263	18	3.4	0
06/02/2023 20:10	2.3	257	14	3.5	0
06/02/2023 20:20	2.2	254	15	3.2	0
06/02/2023 20:30	2.3	254	14	3.3	0
06/02/2023 20:40	2.3	255	16	3.4	0
06/02/2023 20:50	2.1	258	16	3.2	0
06/02/2023 21:00	2.1	259	15	3	0
06/02/2023 21:10	2	262	15	3.1	0
06/02/2023 21:20	1.9	254	14	2.8	0
06/02/2023 21:30	1.7	256	14	2.4	0
06/02/2023 21:40	1.7	259	16	2.6	0
06/02/2023 21:50	2.1	257	15	3.1	0
06/02/2023 22:00	2	260	15	2.7	0
06/02/2023 22:10	2	258	16	2.8	0
06/02/2023 22:20	2.3	262	15	3.3	0
06/02/2023 22:30	2.3	259	14	3.6	0
06/02/2023 22:40	2.4	262	13	3.2	0
06/02/2023 22:50	2.2	261	13	3.2	0
06/02/2023 23:00	2	262	16	2.9	0
06/02/2023 23:10	2.3	268	14	3.1	0
06/02/2023 23:20	1.9	267	18	3	0
06/02/2023 23:30	2.2	270	18	3.2	0
06/02/2023 23:40	2.4	270	13	3.5	0
06/02/2023 23:50	1.9	275	17	2.8	0
06/03/2023 00:00	2.4	270	16	3.2	0
06/03/2023 00:10	2.4	269	17	3.8	0
06/03/2023 00:20	2.7	271	15	4	0
06/03/2023 00:30	2.3	266	17	3.5	0
06/03/2023 00:40	2.2	272	17	3.3	0
06/03/2023 00:50	2.3	270	16	3.4	0
06/03/2023 01:00	2.2	266	15	3.3	0
06/03/2023 01:10	1.8	270	17	2.6	0
06/03/2023 01:20	2.2	266	15	3.2	0
06/03/2023 01:30	2	268	16	2.9	0
06/03/2023 01:40	1.9	266	14	2.9	0
06/03/2023 01:50	1.9	271	16	2.6	0





# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/03/2023 02:00	2.1	268	17	3.2	0
06/03/2023 02:10	2.4	265	16	3.3	0
06/03/2023 02:20	2.2	276	18	3.2	0
06/03/2023 02:30	2.5	273	16	3.6	0
06/03/2023 02:40	1.9	273	21	2.9	0
06/03/2023 02:50	2.1	279	17	3.2	0
06/03/2023 03:00	2.1	298	15	2.7	0
06/03/2023 03:10	2.4	298	17	3.4	0
06/03/2023 03:20	2	294	19	3.2	0
06/03/2023 03:30	2.3	277	19	3.6	0
06/03/2023 03:40	2.3	284	20	3.4	0
06/03/2023 03:50	1.2	253	30	2	0
06/03/2023 04:00	1.5	254	29	2.4	0
06/03/2023 04:10	2.2	265	17	3.2	0
06/03/2023 04:20	2.3	264	14	3.2	0
06/03/2023 04:30	2	243	16	2.9	0
06/03/2023 04:40	1.5	233	16	2.2	0
06/03/2023 04:50	0.6	261	17	1.3	0
06/03/2023 05:00	1.1	214	31	2	0
06/03/2023 05:10	0.4	207	29	1	0
06/03/2023 05:20	1	190	29	1.9	0
06/03/2023 05:30	0.8	190	50	1.9	0
06/03/2023 05:40	1.1	140	35	2.3	0
06/03/2023 05:50	0.6	170	28	1.2	0
06/03/2023 06:00	0.8	198	30	1.9	0
06/03/2023 06:10	0.9	205	28	1.7	0
06/03/2023 06:20	1.4	175	44	3.4	0
06/03/2023 06:30	0.2	212	9	0.7	0
06/03/2023 06:40	0.1	45	9	0.6	0
06/03/2023 06:50	0	14	2	0.4	0
06/03/2023 07:00	0.5	18	12	0.8	0
06/03/2023 07:10	0.2	10	6	0.8	0
06/03/2023 07:20	0	63	6	0.4	0
06/03/2023 07:30	1.7	184	19	2.9	0
06/03/2023 07:40	1.6	181	18	2.7	0
06/03/2023 07:50	1.2	188	15	1.7	0
06/03/2023 08:00	0.8	163	23	1.4	0
06/03/2023 08:10	0.9	132	27	1.5	0
06/03/2023 08:20	1.1	160	23	1.9	0
06/03/2023 08:30	1.3	151	24	2.3	0
06/03/2023 08:40	1.6	150	28	2.7	0
06/03/2023 08:50	1.6	128	35	2.7	0
06/03/2023 09:00	1.4	143	30	2.2	0
06/03/2023 09:10	1.6	132	29	2.8	0
06/03/2023 09:20	1.6	129	35	2.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/03/2023 09:30	1.7	117	32	2.9	0
06/03/2023 09:40	1.7	126	31	2.7	0
06/03/2023 09:50	1.6	114	36	2.7	0
06/03/2023 10:00	1.8	108	32	2.8	0
06/03/2023 10:10	1.8	103	33	3.2	0
06/03/2023 10:20	2	88	26	3.4	0
06/03/2023 10:30	1.8	84	29	3.2	0
06/03/2023 10:40	1.8	73	32	3	0
06/03/2023 10:50	1.9	72	29	3.1	0
06/03/2023 11:00	1.9	85	31	3.2	0
06/03/2023 11:10	2	84	29	3	0
06/03/2023 11:20	2	80	29	3.3	0
06/03/2023 11:30	2.1	54	24	3.3	0
06/03/2023 11:40	2.1	52	21	3.2	0
06/03/2023 11:50	2.3	43	24	3.7	0
06/03/2023 12:00	1.8	50	24	2.8	0
06/03/2023 12:10	1.8	41	32	3	0
06/03/2023 12:20	1.8	55	27	2.8	0
06/03/2023 12:30	2	54	24	3.2	0
06/03/2023 12:40	2.3	51	21	3.7	0
06/03/2023 12:50	2.5	50	24	3.9	0
06/03/2023 13:00	2	60	22	3	0
06/03/2023 13:10	2.2	65	23	3.8	0
06/03/2023 13:20	2.7	43	25	4.2	0
06/03/2023 13:30	2.5	51	23	3.9	0
06/03/2023 13:40	2.9	48	21	4.2	0
06/03/2023 13:50	3.3	51	21	5.2	0
06/03/2023 14:00	2.8	52	23	4.6	0
06/03/2023 14:10	3.1	56	22	5.2	0
06/03/2023 14:20	3	54	20	4.5	0
06/03/2023 14:30	2.6	47	24	4	0
06/03/2023 14:40	2.6	64	24	4.4	0
06/03/2023 14:50	2.4	51	23	4.1	0
06/03/2023 15:00	2.4	56	22	4.4	0
06/03/2023 15:10	2	66	21	3.3	0
06/03/2023 15:20	2.4	60	23	3.2	0
06/03/2023 15:30	2	65	25	3.5	0
06/03/2023 15:40	2	56	23	3.1	0
06/03/2023 15:50	2	47	21	3.5	0
06/03/2023 16:00	2.2	19	29	3.6	0
06/03/2023 16:10	2	47	25	3.2	0
06/03/2023 16:20	2	27	29	3.3	0
06/03/2023 16:30	1.8	21	30	2.9	0
06/03/2023 16:40	2.1	23	23	3.6	0
06/03/2023 16:50	2.4	18	24	4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/03/2023 17:00	2.2	31	22	3.4	0
06/03/2023 17:10	2	32	23	3.3	0
06/03/2023 17:20	2.3	24	25	3.6	0
06/03/2023 17:30	1.8	21	28	2.9	0
06/03/2023 17:40	1.4	29	31	2.4	0
06/03/2023 17:50	1	330	38	2	0
06/03/2023 18:00	1.3	345	22	2.4	0
06/03/2023 18:10	1.4	335	26	2.4	0
06/03/2023 18:20	1.2	355	26	2	0
06/03/2023 18:30	1.3	325	33	2	0
06/03/2023 18:40	0.9	336	33	1.7	0
06/03/2023 18:50	0.7	315	37	1.4	0
06/03/2023 19:00	0.6	313	39	2	0
06/03/2023 19:10	0.4	289	31	1.2	0
06/03/2023 19:20	1.2	255	13	1.6	0
06/03/2023 19:30	0.9	258	27	1.6	0
06/03/2023 19:40	0.6	46	16	1.2	0
06/03/2023 19:50	0	258	0	0.4	0
06/03/2023 20:00					0
06/03/2023 20:10	0.2	282	4	0.7	0
06/03/2023 20:20	0.3	288	9	0.7	0
06/03/2023 20:30	0.1	289	4	0.8	0
06/03/2023 20:40	0.7	288	15	1.1	0
06/03/2023 20:50	1	273	14	1.5	0
06/03/2023 21:00	0.8	289	18	1.2	0
06/03/2023 21:10	0.3	277	6	0.9	0
06/03/2023 21:20	0.7	253	15	1.6	0
06/03/2023 21:30	0.2	70	2	0.6	0
06/03/2023 21:40					0
06/03/2023 21:50					0
06/03/2023 22:00	0	48	0	0.4	0
06/03/2023 22:10					0
06/03/2023 22:20	0.4	306	9	1.1	0
06/03/2023 22:30	1.2	301	11	1.6	0
06/03/2023 22:40	1.2	288	12	1.8	0
06/03/2023 22:50	1.3	281	10	1.7	0
06/03/2023 23:00	1.1	272	11	1.6	0
06/03/2023 23:10	0.5	284	14	0.8	0
06/03/2023 23:20	0.9	275	11	1.2	0
06/03/2023 23:30	0.9	271	16	1.2	0
06/03/2023 23:40	1.3	259	9	1.6	0
06/03/2023 23:50	1.1	269	13	1.6	0
06/04/2023 00:00	0.9	284	11	1.2	0
06/04/2023 00:10	1	301	11	1.4	0
06/04/2023 00:20	0.8	295	19	1.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/04/2023 00:30	1.3	260	20	1.9	0
06/04/2023 00:40	1.7	274	14	2.2	0
06/04/2023 00:50	1.7	272	13	2.3	0
06/04/2023 01:00	1.6	272	16	2.1	0
06/04/2023 01:10	1.6	275	15	2.2	0
06/04/2023 01:20	1.8	267	16	2.5	0
06/04/2023 01:30	1.9	263	15	2.6	0
06/04/2023 01:40	1.3	256	16	2	0
06/04/2023 01:50	0.2	204	19	0.9	0
06/04/2023 02:00	0.7	285	19	1	0
06/04/2023 02:10	0.5	274	31	1	0
06/04/2023 02:20	0.4	258	19	0.8	0
06/04/2023 02:30	0.8	276	16	1.2	0
06/04/2023 02:40	0.3	261	11	1.1	0
06/04/2023 02:50	0.7	176	9	1.2	0
06/04/2023 03:00	0.5	348	10	1	0
06/04/2023 03:10	0.2	333	10	0.8	0
06/04/2023 03:20	0.4	353	14	0.8	0
06/04/2023 03:30	0.9	348	8	1.2	0
06/04/2023 03:40	0.8	341	11	1.2	0
06/04/2023 03:50	1.2	338	9	1.4	0
06/04/2023 04:00	1.2	345	8	1.5	0
06/04/2023 04:10	1.1	342	9	1.4	0
06/04/2023 04:20	1	350	12	1.5	0
06/04/2023 04:30	1	347	12	1.3	0
06/04/2023 04:40	1.1	345	14	1.4	0
06/04/2023 04:50	0.8	355	17	1.2	0
06/04/2023 05:00	0.5	34	18	1	0
06/04/2023 05:10	0.7	183	22	1	0
06/04/2023 05:20	0.3	40	10	0.8	0
06/04/2023 05:30	0.6	23	21	0.9	0
06/04/2023 05:40	0.5	40	18	1	0
06/04/2023 05:50	0.7	39	22	1.2	0
06/04/2023 06:00	0.2	47	16	0.7	0
06/04/2023 06:10	0.1	39	10	0.5	0
06/04/2023 06:20	0.1	28	4	0.6	0
06/04/2023 06:30	0.2	207	9	0.6	0
06/04/2023 06:40	0.2	18	10	0.6	0
06/04/2023 06:50	0.5	20	12	0.7	0
06/04/2023 07:00	0.5	29	15	0.9	0
06/04/2023 07:10	0.1	38	12	0.6	0
06/04/2023 07:20	0.4	31	22	1	0
06/04/2023 07:30	0.3	68	20	1.1	0
06/04/2023 07:40	1.4	90	22	2.3	0
06/04/2023 07:50	1.7	103	36	2.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/04/2023 08:00	1.9	109	29	3.6	0
06/04/2023 08:10	1.9	113	25	3.6	0
06/04/2023 08:20	1.8	106	35	3.3	0
06/04/2023 08:30	2.1	99	32	3.7	0
06/04/2023 08:40	2.3	100	27	3.6	0
06/04/2023 08:50	2.2	96	36	4	0
06/04/2023 09:00	2.5	96	36	4	0
06/04/2023 09:10	2.8	92	25	4.1	0
06/04/2023 09:20	3	82	22	4.5	0
06/04/2023 09:30	2.9	81	19	4.7	0
06/04/2023 09:40	2.4	81	23	4.5	0
06/04/2023 09:50	2.4	77	29	3.7	0
06/04/2023 10:00	2.6	77	25	4	0
06/04/2023 10:10	2.6	85	28	4.2	0
06/04/2023 10:20	2.4	90	25	4.3	0
06/04/2023 10:30	2.9	83	23	4.7	0
06/04/2023 10:40	3.2	80	24	5.4	0
06/04/2023 10:50	3.1	77	27	5.5	0
06/04/2023 11:00	3.4	83	25	5.3	0
06/04/2023 11:10	3.1	85	25	5.2	0
06/04/2023 11:20	3	71	28	4.4	0
06/04/2023 11:30	3.2	65	22	5.2	0
06/04/2023 11:40	3.4	63	24	5.6	0
06/04/2023 11:50	3.3	64	24	6.3	0
06/04/2023 12:00	3.2	66	24	5.2	0
06/04/2023 12:10	3.3	66	22	5.8	0
06/04/2023 12:20	3.2	67	20	4.8	0
06/04/2023 12:30	3.3	69	24	5.4	0
06/04/2023 12:40	3.2	67	23	4.5	0
06/04/2023 12:50	3.2	73	23	6	0
06/04/2023 13:00	3.3	67	24	5.6	0
06/04/2023 13:10	3.1	66	24	4.8	0
06/04/2023 13:20	3.2	72	22	5.2	0
06/04/2023 13:30	3.5	75	21	5.6	0
06/04/2023 13:40	3.3	72	24	5.7	0
06/04/2023 13:50	3.2	72	23	5.4	0
06/04/2023 14:00	2.9	58	24	5.1	0
06/04/2023 14:10	2.6	56	24	4.3	0
06/04/2023 14:20	3.2	51	21	4.8	0
06/04/2023 14:30	2.8	60	23	4.6	0
06/04/2023 14:40	2.7	62	24	4.5	0
06/04/2023 14:50	2.7	43	27	4.7	0
06/04/2023 15:00	2.7	54	26	4.6	0
06/04/2023 15:10	2.7	54	27	4.3	0
06/04/2023 15:20	2.5	57	21	4.3	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/04/2023 15:30	2.5	57	23	4	0
06/04/2023 15:40	2.5	51	23	3.9	0
06/04/2023 15:50	2.4	62	22	4	0
06/04/2023 16:00	2.6	58	21	4	0
06/04/2023 16:10	2.3	56	22	4	0
06/04/2023 16:20	2.1	63	27	3.4	0
06/04/2023 16:30	2.3	59	21	3.7	0
06/04/2023 16:40	2.3	54	23	3.6	0
06/04/2023 16:50	2.1	55	24	3.4	0
06/04/2023 17:00	1.9	56	23	3.1	0
06/04/2023 17:10	1.8	49	22	3	0
06/04/2023 17:20	1.8	53	21	2.8	0
06/04/2023 17:30	1.6	59	21	2.7	0
06/04/2023 17:40	1.5	56	19	2.4	0
06/04/2023 17:50	1	47	20	1.6	0
06/04/2023 18:00	1.4	46	15	2.3	0
06/04/2023 18:10	1.4	48	12	2.2	0
06/04/2023 18:20	1.4	54	20	2.1	0
06/04/2023 18:30	0.5	70	21	1	0
06/04/2023 18:40	0.3	72	12	0.8	0
06/04/2023 18:50	0.1	29	6	0.8	0
06/04/2023 19:00	0.4	56	13	1.2	0
06/04/2023 19:10	0	77	0	0.4	0
06/04/2023 19:20					0
06/04/2023 19:30					0
06/04/2023 19:40					0
06/04/2023 19:50	0.2	322	8	0.8	0
06/04/2023 20:00	0.1	128	2	0.4	0
06/04/2023 20:10	0.1	31	1	0.8	0
06/04/2023 20:20	0.3	31	4	0.6	0
06/04/2023 20:30					0
06/04/2023 20:40					0
06/04/2023 20:50					0
06/04/2023 21:00	0.1	335	4	0.6	0
06/04/2023 21:10	0.2	346	3	0.8	0
06/04/2023 21:20					0
06/04/2023 21:30					0
06/04/2023 21:40					0
06/04/2023 21:50	0.1	337	2	0.5	0
06/04/2023 22:00					0
06/04/2023 22:10					0
06/04/2023 22:20					0
06/04/2023 22:30	0.2	233	4	0.6	0
06/04/2023 22:40					0
06/04/2023 22:50					0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/04/2023 23:00	0.2	36	10	0.6	0
06/04/2023 23:10	0.5	42	15	1	0
06/04/2023 23:20	0.5	56	24	1	0
06/04/2023 23:30	0.5	48	17	0.9	0
06/04/2023 23:40	0.5	45	15	0.8	0
06/04/2023 23:50	0.4	40	12	0.8	0
06/05/2023 00:00	0.5	43	14	1.1	0
06/05/2023 00:10	0.4	53	16	0.8	0
06/05/2023 00:20	0.1	50	6	0.6	0
06/05/2023 00:30	0	208	0	0.4	0
06/05/2023 00:40	0.3	50	9	0.8	0
06/05/2023 00:50	0.5	39	15	1.1	0
06/05/2023 01:00	0.4	42	12	1.4	0
06/05/2023 01:10	0.1	61	7	0.6	0
06/05/2023 01:20	0	17	3	0.4	0
06/05/2023 01:30	0.1	12	2	0.6	0
06/05/2023 01:40	0.3	37	8	0.8	0
06/05/2023 01:50	0.5	26	12	0.8	0
06/05/2023 02:00	0.1	10	9	0.7	0
06/05/2023 02:10	0.2	138	3	1.1	0
06/05/2023 02:20	0.8	167	33	1.3	0
06/05/2023 02:30	0.7	264	30	1.2	0
06/05/2023 02:40	0.1	238	18	0.6	0
06/05/2023 02:50	0.2	290	4	0.8	0
06/05/2023 03:00					0
06/05/2023 03:10	0.3	34	19	0.8	0
06/05/2023 03:20	0.1	357	10	0.6	0
06/05/2023 03:30	0.7	31	12	1	0
06/05/2023 03:40	0.7	27	12	1.1	0
06/05/2023 03:50	0.2	20	10	0.8	0
06/05/2023 04:00	0.7	23	9	1	0
06/05/2023 04:10	0.8	343	15	1.2	0
06/05/2023 04:20	0.8	325	8	1.2	0
06/05/2023 04:30	0.3	34	13	0.8	0
06/05/2023 04:40	0.2	28	6	0.7	0
06/05/2023 04:50	0.1	195	10	0.8	0
06/05/2023 05:00	0.4	268	10	1	0
06/05/2023 05:10	0.2	269	11	0.8	0
06/05/2023 05:20	0.3	103	52	0.8	0
06/05/2023 05:30	0.7	216	24	1.5	0
06/05/2023 05:40					0
06/05/2023 05:50	0.8	142	47	1.6	0
06/05/2023 06:00	0.1	50	15	0.6	0
06/05/2023 06:10	0.4	59	11	0.6	0
06/05/2023 06:20	0.2	78	18	0.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/05/2023 06:30	0.6	100	25	1	0
06/05/2023 06:40	0.9	50	19	1.5	0
06/05/2023 06:50	0.9	37	19	1.3	0
06/05/2023 07:00	0.6	18	19	1.2	0
06/05/2023 07:10	0.6	26	18	1.2	0
06/05/2023 07:20	0.6	12	16	1.2	0
06/05/2023 07:30	0.8	25	21	1.3	0
06/05/2023 07:40	0.8	46	20	1.2	0
06/05/2023 07:50	0.7	48	20	1.2	0
06/05/2023 08:00	0.7	70	23	1.2	0
06/05/2023 08:10	0.8	79	22	1.5	0
06/05/2023 08:20	0.9	78	21	1.6	0
06/05/2023 08:30	1.3	78	22	1.9	0
06/05/2023 08:40	1	83	24	1.8	0
06/05/2023 08:50	1.2	79	20	1.8	0
06/05/2023 09:00	1.2	74	23	2	0
06/05/2023 09:10	0.9	109	31	2	0
06/05/2023 09:20	1.1	122	31	2	0
06/05/2023 09:30	1.3	95	28	2.4	0
06/05/2023 09:40	1.5	58	25	2.4	0
06/05/2023 09:50	1.4	65	35	2.2	0
06/05/2023 10:00	1.3	43	43	1.9	0
06/05/2023 10:10	1.4	79	26	2.4	0
06/05/2023 10:20	1.3	106	30	2	0
06/05/2023 10:30	1.3	91	28	2.2	0
06/05/2023 10:40	1.1	106	33	2	0
06/05/2023 10:50	1.5	90	27	2.5	0
06/05/2023 11:00	1.7	77	24	2.5	0
06/05/2023 11:10	1.8	68	24	2.7	0
06/05/2023 11:20	1.6	57	24	2.6	0
06/05/2023 11:30	1.8	59	22	2.8	0
06/05/2023 11:40	1.7	63	27	2.9	0
06/05/2023 11:50	1.5	51	25	2.7	0
06/05/2023 12:00	1.2	47	28	2.3	0
06/05/2023 12:10	1.6	57	23	2.6	0
06/05/2023 12:20	1.2	118	39	2.1	0
06/05/2023 12:30	2	248	29	3.2	0
06/05/2023 12:40	2.4	251	25	4	0
06/05/2023 12:50	2.7	239	20	4.3	0
06/05/2023 13:00	2.8	252	27	4.5	0
06/05/2023 13:10	2.9	234	21	4.5	0
06/05/2023 13:20	2.7	243	23	3.7	0
06/05/2023 13:30	3	241	20	4.8	0
06/05/2023 13:40	3.5	243	20	5.2	0
06/05/2023 13:50	3	252	26	4.5	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/05/2023 14:00	3.2	253	21	5.3	0
06/05/2023 14:10	3.6	245	20	5.1	0
06/05/2023 14:20	3.5	251	18	5	0
06/05/2023 14:30	3.5	249	19	5.4	0
06/05/2023 14:40	3.7	240	16	4.9	0
06/05/2023 14:50	3.4	246	18	4.6	0
06/05/2023 15:00	3	255	20	4.9	0
06/05/2023 15:10	3.5	247	21	5.3	0
06/05/2023 15:20	4.1	245	20	6	0
06/05/2023 15:30	3.8	244	17	5.5	0
06/05/2023 15:40	3.8	244	17	5.3	0
06/05/2023 15:50	4	259	22	6	0
06/05/2023 16:00	4.6	252	17	7.5	0
06/05/2023 16:10	4.9	250	15	6.8	0
06/05/2023 16:20	4.2	253	18	6.4	0
06/05/2023 16:30	3.9	252	17	6.1	0
06/05/2023 16:40	4.5	247	16	6.9	0
06/05/2023 16:50	3.3	256	17	5.7	0
06/05/2023 17:00	3.5	252	18	5.4	0
06/05/2023 17:10	4.1	250	16	6	0
06/05/2023 17:20	3.6	254	17	5.7	0
06/05/2023 17:30	3.8	253	20	6.3	0
06/05/2023 17:40	4.4	256	17	6.6	0
06/05/2023 17:50	4.1	256	15	6.4	0
06/05/2023 18:00	3.1	252	18	5	0
06/05/2023 18:10	3.9	252	20	6.2	0
06/05/2023 18:20	3.8	255	18	6.2	0
06/05/2023 18:30	3.7	252	22	5.7	0
06/05/2023 18:40	3.3	247	22	4.8	0
06/05/2023 18:50	3.1	251	15	4.4	0
06/05/2023 19:00	3.1	255	16	4.4	0
06/05/2023 19:10	2.9	253	19	4.3	0
06/05/2023 19:20	2.6	252	20	4.4	0
06/05/2023 19:30	2.9	256	18	4.3	0
06/05/2023 19:40	2.6	253	21	3.8	0
06/05/2023 19:50	2.6	254	16	3.9	0
06/05/2023 20:00	2.6	246	17	4	0
06/05/2023 20:10	2.3	245	19	3.3	0
06/05/2023 20:20	2.1	250	19	3.3	0
06/05/2023 20:30	2.6	255	16	4.1	0
06/05/2023 20:40	2.3	255	21	3.7	0
06/05/2023 20:50	3.1	256	16	4.7	0
06/05/2023 21:00	2.2	256	19	3.2	0
06/05/2023 21:10	2.1	251	17	3.2	0
06/05/2023 21:20	1.9	252	16	2.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/05/2023 21:30	2.1	247	22	3.6	0
06/05/2023 21:40	2.1	254	18	3.1	0
06/05/2023 21:50	2.5	235	17	3.7	0
06/05/2023 22:00	2.1	239	17	3.4	0
06/05/2023 22:10	1.6	253	20	2.8	0
06/05/2023 22:20	1.6	257	15	2.4	0
06/05/2023 22:30	1.7	254	17	2.8	0
06/05/2023 22:40	1.6	249	18	2.7	0
06/05/2023 22:50	1.5	256	15	2.1	0
06/05/2023 23:00	1.2	260	19	1.9	0
06/05/2023 23:10	1.4	264	14	2.1	0
06/05/2023 23:20	1.5	263	12	2	0
06/05/2023 23:30	1.3	261	15	2	0
06/05/2023 23:40	1.5	248	19	2.7	0
06/05/2023 23:50	1.7	255	17	2.7	0
06/06/2023 00:00	1.6	271	18	2.3	0
06/06/2023 00:10	1.9	267	14	2.8	0
06/06/2023 00:20	1.9	270	16	2.7	0
06/06/2023 00:30	1.7	268	19	2.4	0
06/06/2023 00:40	2	265	15	2.9	0
06/06/2023 00:50	2	269	17	2.8	0
06/06/2023 01:00	1.7	262	15	2.6	0
06/06/2023 01:10	1.7	259	21	2.8	0
06/06/2023 01:20	2	253	20	3.5	0
06/06/2023 01:30	2.4	254	18	3.8	0
06/06/2023 01:40	2.6	254	18	4.2	0
06/06/2023 01:50	2.4	260	16	3.3	0
06/06/2023 02:00	2.4	259	16	3.8	0
06/06/2023 02:10	2.5	260	19	3.4	0
06/06/2023 02:20	2.4	262	17	3.6	0
06/06/2023 02:30	2.4	260	18	3.7	0
06/06/2023 02:40	2	247	24	2.8	0
06/06/2023 02:50	2.1	238	20	3.3	0
06/06/2023 03:00	2	238	21	2.9	0
06/06/2023 03:10	1.9	238	20	3.3	0
06/06/2023 03:20	1.9	241	23	3.7	0
06/06/2023 03:30	2.5	237	23	3.9	0
06/06/2023 03:40	2.8	229	19	4.2	0
06/06/2023 03:50	2.5	219	20	4	0
06/06/2023 04:00	2.9	232	20	4.5	0
06/06/2023 04:10	2.4	239	23	4	0
06/06/2023 04:20	2.2	239	22	3.4	0
06/06/2023 04:30	2.6	237	19	3.6	0
06/06/2023 04:40	2.4	227	21	4	0
06/06/2023 04:50	2.2	224	19	3.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/06/2023 05:00	1.9	202	22	3.4	0
06/06/2023 05:10	2.3	198	20	4.2	0
06/06/2023 05:20	2	201	22	3.3	0
06/06/2023 05:30	2	220	24	3.7	0
06/06/2023 05:40	2.6	227	20	3.9	0
06/06/2023 05:50	2.5	234	21	3.9	0
06/06/2023 06:00	2.3	238	21	3.8	0
06/06/2023 06:10	2.2	230	26	3.3	0
06/06/2023 06:20	2	247	22	3.2	0
06/06/2023 06:30	1.6	226	30	2.8	0
06/06/2023 06:40	2	241	23	3.5	0
06/06/2023 06:50	2.6	235	19	3.9	0
06/06/2023 07:00	2.4	239	18	3.6	0
06/06/2023 07:10	2.4	231	23	3.5	0
06/06/2023 07:20	2.2	211	21	3.6	0
06/06/2023 07:30	2.6	219	21	4	0
06/06/2023 07:40	2.3	202	20	4.1	0
06/06/2023 07:50	3.4	187	16	5.6	0
06/06/2023 08:00	3.2	189	19	4.6	0
06/06/2023 08:10	3.4	187	18	5.2	0
06/06/2023 08:20	3.6	183	19	5	0
06/06/2023 08:30	3.2	188	17	4.6	0
06/06/2023 08:40	3	191	18	4.8	0
06/06/2023 08:50	3.4	193	20	5.2	0
06/06/2023 09:00	3.4	191	19	4.8	0
06/06/2023 09:10	3	184	18	4.4	0
06/06/2023 09:20	3	172	24	4.6	0
06/06/2023 09:30	3.9	187	21	5.6	0
06/06/2023 09:40	3.8	182	19	5.6	0
06/06/2023 09:50	3.5	189	18	5.2	0
06/06/2023 10:00	3.6	187	21	5.7	0
06/06/2023 10:10	2.8	172	25	4.5	0
06/06/2023 10:20	3	186	21	4.8	0
06/06/2023 10:30	3.2	191	23	4.9	0
06/06/2023 10:40	3.3	193	20	5.3	0
06/06/2023 10:50	3.3	207	28	5.1	0
06/06/2023 11:00	3.3	194	27	5.7	0
06/06/2023 11:10	3.5	204	22	5.6	0
06/06/2023 11:20	3.2	214	30	5.2	0
06/06/2023 11:30	3.7	220	19	6.2	0
06/06/2023 11:40	3.4	226	22	5.2	0
06/06/2023 11:50	3.1	189	25	4.8	0
06/06/2023 12:00	3.4	207	19	5.3	0
06/06/2023 12:10	3.8	215	21	6	0
06/06/2023 12:20	3.4	257	18	4.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/06/2023 12:30	3.8	228	28	5.5	0
06/06/2023 12:40	3.1	250	24	4.9	0
06/06/2023 12:50	2.8	259	26	5	0
06/06/2023 13:00	3	258	21	4.8	0
06/06/2023 13:10	3	246	22	4.4	0
06/06/2023 13:20	2.8	269	25	4.6	0
06/06/2023 13:30	3.1	259	22	4.9	0
06/06/2023 13:40	2.9	260	23	4.6	0
06/06/2023 13:50	2.9	258	25	4.6	0
06/06/2023 14:00	3.2	249	21	5.2	0
06/06/2023 14:10	3.3	256	22	5.4	0
06/06/2023 14:20	3.4	255	24	5.6	0
06/06/2023 14:30	3.7	251	21	5.6	0
06/06/2023 14:40	4	258	20	6	0
06/06/2023 14:50	3.9	256	22	6	0
06/06/2023 15:00	3.6	258	20	5.7	0
06/06/2023 15:10	4	248	16	6.1	0
06/06/2023 15:20	4.2	247	17	6.3	0
06/06/2023 15:30	3.6	249	21	6.2	0
06/06/2023 15:40	3.2	266	20	5.2	0
06/06/2023 15:50	3.7	256	19	5.4	0
06/06/2023 16:00	3.5	258	19	5.8	0
06/06/2023 16:10	3.6	260	22	5.6	0
06/06/2023 16:20	3.6	255	18	5.9	0
06/06/2023 16:30	3.7	257	17	6	0
06/06/2023 16:40	3.9	261	19	5.7	0
06/06/2023 16:50	3.5	251	19	5.7	0
06/06/2023 17:00	3.3	257	19	5.4	0
06/06/2023 17:10	2.9	256	18	4.6	0
06/06/2023 17:20	3	259	20	5.2	0
06/06/2023 17:30	2.8	254	18	4.6	0
06/06/2023 17:40	3.3	254	16	4.7	0
06/06/2023 17:50	3.2	250	16	5.4	0
06/06/2023 18:00	3.6	250	19	6	0
06/06/2023 18:10	3.8	255	18	5.3	0
06/06/2023 18:20	3.3	255	18	5.2	0
06/06/2023 18:30	3.4	252	19	5.7	0
06/06/2023 18:40	4.2	252	15	6	0
06/06/2023 18:50	3.6	252	20	5.1	0
06/06/2023 19:00	3.4	251	16	5.2	0
06/06/2023 19:10	3.1	249	18	5	0
06/06/2023 19:20	2.7	248	19	4.4	0
06/06/2023 19:30	3.2	240	17	4.9	0
06/06/2023 19:40	3.1	239	17	5.3	0
06/06/2023 19:50	3.4	241	16	4.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/06/2023 20:00	2.9	237	16	4	0
06/06/2023 20:10	2.6	242	19	4	0
06/06/2023 20:20	2.7	245	18	4.3	0
06/06/2023 20:30	2.6	246	18	3.8	0
06/06/2023 20:40	2.8	243	21	4.3	0
06/06/2023 20:50	2.7	248	18	4.3	0
06/06/2023 21:00	3.3	245	19	5.2	0
06/06/2023 21:10	3.4	244	18	5	0
06/06/2023 21:20	3.2	242	18	4.7	0
06/06/2023 21:30	3.1	247	17	4.6	0
06/06/2023 21:40	3.5	243	16	4.7	0
06/06/2023 21:50	3.3	242	19	5.3	0
06/06/2023 22:00	3.2	244	17	4.9	0
06/06/2023 22:10	3.7	244	17	5.3	0
06/06/2023 22:20	3.4	239	18	4.8	0
06/06/2023 22:30	3.3	243	15	4.8	0
06/06/2023 22:40	3	247	18	4	0
06/06/2023 22:50	2.9	246	17	4.4	0
06/06/2023 23:00	3.2	246	19	4.5	0
06/06/2023 23:10	3	248	16	4.4	0
06/06/2023 23:20	3.1	251	18	4.6	0
06/06/2023 23:30	2.6	252	18	4.8	0
06/06/2023 23:40	2.4	260	14	3.3	0
06/06/2023 23:50	2.3	268	15	3.3	0
06/07/2023 00:00	2.4	266	15	3.2	0
06/07/2023 00:10	2.6	260	15	3.4	0
06/07/2023 00:20	2.1	253	20	3.1	0
06/07/2023 00:30	1.8	244	24	2.8	0
06/07/2023 00:40	1.6	240	22	2.6	0
06/07/2023 00:50	1.6	216	32	2.8	0
06/07/2023 01:00	1.5	210	21	2.4	0
06/07/2023 01:10	1.8	216	17	2.8	0
06/07/2023 01:20	1.8	216	17	2.7	0
06/07/2023 01:30	1.8	207	18	2.6	0
06/07/2023 01:40	2.4	195	19	4.1	0
06/07/2023 01:50	2.5	190	21	4.3	0
06/07/2023 02:00	2.3	189	15	3.4	0
06/07/2023 02:10	2.3	191	21	3.8	0
06/07/2023 02:20	2.1	204	19	3.9	0
06/07/2023 02:30	2	215	21	3.6	0
06/07/2023 02:40	1.8	243	28	2.9	0
06/07/2023 02:50	2.2	286	21	3.2	0
06/07/2023 03:00	2.6	270	16	3.6	0
06/07/2023 03:10	2.3	271	16	3.5	0
06/07/2023 03:20	2	277	18	2.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/07/2023 03:30	2.3	271	18	3.2	0
06/07/2023 03:40	2.6	244	21	3.7	0
06/07/2023 03:50	2.6	225	21	3.8	0
06/07/2023 04:00	2.6	211	19	4.5	0
06/07/2023 04:10	2.2	203	19	3.3	0
06/07/2023 04:20	2.3	202	21	3.6	0
06/07/2023 04:30	2.9	199	20	4.6	0
06/07/2023 04:40	2.5	197	22	4.3	0
06/07/2023 04:50	2.7	198	21	4.2	0
06/07/2023 05:00	2.1	195	20	3.6	0
06/07/2023 05:10	2.8	192	16	4.3	0
06/07/2023 05:20	3	196	20	4.9	0
06/07/2023 05:30	3.3	198	17	4.7	0
06/07/2023 05:40	3.3	200	17	4.8	0
06/07/2023 05:50	3.6	195	17	5.8	0
06/07/2023 06:00	2.7	188	17	4	0
06/07/2023 06:10	2.6	198	17	4.1	0
06/07/2023 06:20	2.6	199	15	4.4	0
06/07/2023 06:30	2.8	197	19	4.3	0
06/07/2023 06:40	3.5	190	15	5.6	0
06/07/2023 06:50	3.1	189	17	4.6	0
06/07/2023 07:00	2.8	190	15	4.3	0
06/07/2023 07:10	2.9	188	20	4.7	0
06/07/2023 07:20	3	191	19	4.6	0
06/07/2023 07:30	2.6	187	18	4.1	0
06/07/2023 07:40	2.4	181	20	4.4	0
06/07/2023 07:50	2.3	167	28	5.2	0
06/07/2023 08:00	2.7	170	24	5.2	0
06/07/2023 08:10	2.8	176	23	4.6	0
06/07/2023 08:20	2.6	170	28	4.2	0
06/07/2023 08:30	2.3	165	29	4.4	0
06/07/2023 08:40	2.5	167	27	4.4	0
06/07/2023 08:50	2.2	165	27	4.1	0
06/07/2023 09:00	2.4	164	24	4.6	0
06/07/2023 09:10	2.1	152	31	3.4	0
06/07/2023 09:20	2.2	165	27	3.5	0
06/07/2023 09:30	1.9	158	29	3.2	0
06/07/2023 09:40	1.9	158	27	3.4	0
06/07/2023 09:50	2	153	28	3.6	0
06/07/2023 10:00	1.7	138	34	3	0
06/07/2023 10:10	1.8	130	30	3	0
06/07/2023 10:20	2.1	156	36	3.6	0
06/07/2023 10:30	1.6	134	31	2.6	0
06/07/2023 10:40	1.7	129	36	2.9	0
06/07/2023 10:50	1.6	128	38	2.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/07/2023 11:00	1.6	121	38	3	0
06/07/2023 11:10	1.7	138	37	3.1	0
06/07/2023 11:20	1.6	125	31	2.8	0
06/07/2023 11:30	1.7	125	33	3	0
06/07/2023 11:40	1.7	135	29	3	0
06/07/2023 11:50	1.7	135	38	3.1	0
06/07/2023 12:00	1.8	93	33	3.2	0
06/07/2023 12:10	1.8	88	37	2.8	0
06/07/2023 12:20	1.5	121	44	2.4	0
06/07/2023 12:30	1.7	136	26	2.8	0
06/07/2023 12:40	1.4	116	49	2.4	0
06/07/2023 12:50	1.5	104	55	2.4	0
06/07/2023 13:00	1.6	142	43	2.6	0
06/07/2023 13:10	1.2	80	82	2.4	0
06/07/2023 13:20	1.7	144	46	2.8	0
06/07/2023 13:30	1.2	69	57	1.9	0
06/07/2023 13:40	1.3	115	79	1.9	0
06/07/2023 13:50	1.3	234	54	2.1	0
06/07/2023 14:00	1.8	279	41	3.4	0
06/07/2023 14:10	2.1	311	38	4.1	0
06/07/2023 14:20	2	302	29	3.2	0
06/07/2023 14:30	2.1	314	31	3.8	0
06/07/2023 14:40	2.1	305	43	3.4	0
06/07/2023 14:50	2.2	332	34	3.4	0
06/07/2023 15:00	2.4	326	30	4.3	0
06/07/2023 15:10	2.5	319	30	4.2	0
06/07/2023 15:20	2.7	324	25	4	0
06/07/2023 15:30	2.3	312	34	4.1	0
06/07/2023 15:40	2.4	319	33	4	0
06/07/2023 15:50	2.4	328	25	4.4	0
06/07/2023 16:00	1.5	308	47	2.9	0
06/07/2023 16:10	2	304	40	3.6	0
06/07/2023 16:20	2.5	339	31	4	0
06/07/2023 16:30	2	171	39	4.1	0
06/07/2023 16:40	1.9	347	33	3.2	0
06/07/2023 16:50	1.9	347	39	3.2	0
06/07/2023 17:00	2.1	343	33	3.6	0
06/07/2023 17:10	1.8	346	32	3.6	0
06/07/2023 17:20	2.1	334	32	3.6	0
06/07/2023 17:30	2	336	26	3.4	0
06/07/2023 17:40	1.1	301	59	2.7	0
06/07/2023 17:50	1.5	342	36	2.8	0
06/07/2023 18:00	1.3	322	38	2.3	0
06/07/2023 18:10	1.4	328	37	2.4	0
06/07/2023 18:20	1	160	50	2.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/07/2023 18:30	1	296	45	1.7	0
06/07/2023 18:40	1	312	45	2.3	0
06/07/2023 18:50	0.7	177	49	1.5	0
06/07/2023 19:00	0.9	272	57	1.8	0
06/07/2023 19:10	1.1	288	43	1.7	0
06/07/2023 19:20	1.1	264	43	2.1	0
06/07/2023 19:30	1.2	267	39	2	0
06/07/2023 19:40	1.4	251	19	2.2	0
06/07/2023 19:50	1.1	258	33	2	0
06/07/2023 20:00	1.3	251	24	2	0
06/07/2023 20:10	1.1	250	26	1.9	0
06/07/2023 20:20	1.2	251	20	1.9	0
06/07/2023 20:30	1.5	258	17	2.1	0
06/07/2023 20:40	1.6	257	18	2.3	0
06/07/2023 20:50	1.8	257	15	2.7	0
06/07/2023 21:00	1.7	261	11	2.2	0
06/07/2023 21:10	2	259	12	2.8	0
06/07/2023 21:20	1.9	256	13	2.8	0
06/07/2023 21:30	2	259	13	2.9	0
06/07/2023 21:40	1.8	259	13	2.8	0
06/07/2023 21:50	2	258	12	3	0
06/07/2023 22:00	1.8	263	14	2.4	0
06/07/2023 22:10	2.1	260	12	2.8	0
06/07/2023 22:20	2.4	261	13	3.8	0
06/07/2023 22:30	2.2	260	14	3	0
06/07/2023 22:40	2	264	14	2.7	0
06/07/2023 22:50	2.1	266	15	2.8	0
06/07/2023 23:00	1.8	264	16	2.8	0
06/07/2023 23:10	1.7	263	14	2.6	0
06/07/2023 23:20	1.9	261	15	2.8	0
06/07/2023 23:30	1.9	264	15	2.7	0
06/07/2023 23:40	2	259	15	3.1	0
06/07/2023 23:50	2.1	265	14	3	0
06/08/2023 00:00	1.9	266	14	2.6	0
06/08/2023 00:10	2.1	265	12	2.8	0
06/08/2023 00:20	1.8	266	13	2.4	0
06/08/2023 00:30	1.8	267	13	2.4	0
06/08/2023 00:40	1.4	277	15	2.1	0
06/08/2023 00:50	1.5	274	16	2	0
06/08/2023 01:00	1.6	271	16	2.3	0
06/08/2023 01:10	1.4	268	17	1.9	0
06/08/2023 01:20	1.3	281	17	1.7	0
06/08/2023 01:30	1.3	285	22	2	0
06/08/2023 01:40	1.4	273	18	2	0
06/08/2023 01:50	1.1	263	15	1.7	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/08/2023 02:00	0.6	269	21	1.2	0
06/08/2023 02:10	0.5	106	40	1.2	0
06/08/2023 02:20	0.4	40	16	1	0
06/08/2023 02:30	0.6	189	31	1	0
06/08/2023 02:40	0.4	14	15	0.9	0
06/08/2023 02:50	0.3	23	16	0.9	0
06/08/2023 03:00	0.4	171	12	0.9	0
06/08/2023 03:10	0.2	237	39	0.8	0
06/08/2023 03:20	0.3	321	20	0.8	0
06/08/2023 03:30	0.2	265	13	1	0
06/08/2023 03:40	0.2	56	14	0.8	0
06/08/2023 03:50	0.5	63	39	1.5	0
06/08/2023 04:00	0.4	22	18	0.8	0
06/08/2023 04:10	0.7	40	26	1.2	0
06/08/2023 04:20	0.7	34	39	1.4	0
06/08/2023 04:30	0.3	33	34	1	0
06/08/2023 04:40	0.5	17	17	1.1	0
06/08/2023 04:50	0.2	12	7	0.8	0
06/08/2023 05:00	0.7	26	18	1	0
06/08/2023 05:10	0.1	204	11	0.5	0
06/08/2023 05:20	0.3	28	14	0.8	0
06/08/2023 05:30	0.4	32	18	1.1	0
06/08/2023 05:40	0.2	14	15	0.8	0
06/08/2023 05:50	0.2	20	27	0.8	0
06/08/2023 06:00	0.4	38	18	1	0
06/08/2023 06:10	0.4	41	22	0.8	0
06/08/2023 06:20	0.5	43	26	1.2	0
06/08/2023 06:30	0.7	46	22	1.4	0
06/08/2023 06:40	0.8	66	28	1.6	0
06/08/2023 06:50	1.2	75	29	3	0
06/08/2023 07:00	1	87	27	2.3	0
06/08/2023 07:10	1.1	77	26	1.9	0
06/08/2023 07:20	0.8	62	25	1.9	0
06/08/2023 07:30	1.3	87	26	2.2	0
06/08/2023 07:40	0.9	108	38	1.6	0
06/08/2023 07:50	0.9	115	26	1.6	0
06/08/2023 08:00	0.9	105	29	1.5	0
06/08/2023 08:10	0.9	98	33	1.6	0
06/08/2023 08:20	1.2	87	29	2.3	0
06/08/2023 08:30	1.2	93	29	2	0
06/08/2023 08:40	1.6	101	30	2.6	0
06/08/2023 08:50	2.4	94	31	3.9	0
06/08/2023 09:00	2.6	89	28	4.8	0
06/08/2023 09:10	2.5	96	25	4.1	0
06/08/2023 09:20	2.2	105	36	3.7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/08/2023 09:30	2.5	100	26	4.1	0
06/08/2023 09:40	2.3	100	32	4.1	0
06/08/2023 09:50	2.6	96	30	4.5	0
06/08/2023 10:00	2.4	105	35	4.4	0
06/08/2023 10:10	2.7	87	25	4.4	0
06/08/2023 10:20	2.7	90	29	4.4	0
06/08/2023 10:30	3	71	23	4.4	0
06/08/2023 10:40	3.3	74	20	5	0
06/08/2023 10:50	2.8	88	23	4.5	0
06/08/2023 11:00	2.9	90	29	4.7	0
06/08/2023 11:10	3.1	89	26	4.8	0
06/08/2023 11:20	3.1	79	24	4.9	0
06/08/2023 11:30	3.1	83	26	4.8	0
06/08/2023 11:40	3.3	89	24	5.5	0
06/08/2023 11:50	3.2	84	22	5	0
06/08/2023 12:00	2.7	84	26	4.4	0
06/08/2023 12:10	2.7	66	23	5	0
06/08/2023 12:20	2.8	56	24	4.8	0
06/08/2023 12:30	2.8	59	24	4.5	0
06/08/2023 12:40	3.1	56	19	5.1	0
06/08/2023 12:50	2.6	57	24	4.1	0
06/08/2023 13:00	3.1	53	18	5.1	0
06/08/2023 13:10	3	55	23	4.8	0
06/08/2023 13:20	2.8	60	25	4.2	0
06/08/2023 13:30	2.8	62	23	4.6	0
06/08/2023 13:40	2.7	56	21	4.4	0
06/08/2023 13:50	2.6	57	24	4.1	0
06/08/2023 14:00	3.1	50	19	4.9	0
06/08/2023 14:10	3.2	46	19	4.9	0
06/08/2023 14:20	2.9	51	20	4.8	0
06/08/2023 14:30	3	51	18	4.6	0
06/08/2023 14:40	2.9	46	25	4.4	0
06/08/2023 14:50	2.8	47	22	4.1	0
06/08/2023 15:00	2.6	49	25	4.2	0
06/08/2023 15:10	2.8	49	22	4.6	0
06/08/2023 15:20	2.6	55	23	4.3	0
06/08/2023 15:30	2.8	51	19	4.5	0
06/08/2023 15:40	2.7	51	25	4.2	0
06/08/2023 15:50	2.5	51	21	4.5	0
06/08/2023 16:00	2.6	57	22	4	0
06/08/2023 16:10	2.6	54	20	4.4	0
06/08/2023 16:20	2.2	54	22	3.6	0
06/08/2023 16:30	2.1	54	20	3.6	0
06/08/2023 16:40	2.4	51	17	3.6	0
06/08/2023 16:50	2.2	47	18	3.6	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/08/2023 17:00	2.1	37	21	3.4	0
06/08/2023 17:10	2.4	35	20	3.6	0
06/08/2023 17:20	2	37	22	2.9	0
06/08/2023 17:30	1.7	34	19	2.7	0
06/08/2023 17:40	1.3	32	17	2	0
06/08/2023 17:50	1.1	17	21	1.6	0
06/08/2023 18:00	1	182	21	1.6	0
06/08/2023 18:10	1	13	15	1.7	0
06/08/2023 18:20	1.5	16	23	2.7	0
06/08/2023 18:30	1.4	16	21	2.4	0
06/08/2023 18:40	1.4	355	22	2	0
06/08/2023 18:50	1.2	179	23	1.7	0
06/08/2023 19:00	1.1	178	21	1.8	0
06/08/2023 19:10	0.6	292	43	1.1	0
06/08/2023 19:20	0.8	222	37	1.2	0
06/08/2023 19:30	0.8	260	21	1.2	0
06/08/2023 19:40	0.1	189	23	0.6	0
06/08/2023 19:50					0
06/08/2023 20:00					0
06/08/2023 20:10	0.3	25	4	0.9	0
06/08/2023 20:20	0.3	351	10	1	0
06/08/2023 20:30	0.5	24	23	1.1	0
06/08/2023 20:40	0.3	251	10	0.7	0
06/08/2023 20:50	0.3	269	8	0.8	0
06/08/2023 21:00	0.7	254	6	1.3	0
06/08/2023 21:10	1.8	257	14	2.6	0
06/08/2023 21:20	1.6	245	15	2.5	0
06/08/2023 21:30	1.3	259	15	1.9	0
06/08/2023 21:40	1.4	267	16	1.9	0
06/08/2023 21:50	1.5	258	13	1.9	0
06/08/2023 22:00	1.6	245	12	2.1	0
06/08/2023 22:10	1.7	241	19	2.5	0
06/08/2023 22:20	1.9	239	18	2.7	0
06/08/2023 22:30	2.5	253	14	3.4	0
06/08/2023 22:40	2.1	249	18	3.2	0
06/08/2023 22:50	1.8	246	19	2.5	0
06/08/2023 23:00	1.7	249	17	2.4	0
06/08/2023 23:10	1.9	242	13	2.5	0
06/08/2023 23:20	1.7	246	12	2.4	0
06/08/2023 23:30	1.9	252	12	2.4	0
06/08/2023 23:40	1.4	257	15	2	0
06/08/2023 23:50	0.7	250	25	1.2	0
06/09/2023 00:00	0.3	337	17	0.8	0
06/09/2023 00:10	0.2	357	7	0.6	0
06/09/2023 00:20	0.5	180	9	0.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/09/2023 00:30	0.6	348	11	1	0
06/09/2023 00:40	0.5	291	10	0.9	0
06/09/2023 00:50	0.3	314	27	0.9	0
06/09/2023 01:00	0.2	114	28	0.7	0
06/09/2023 01:10	1.1	241	31	1.9	0
06/09/2023 01:20	0.9	239	21	1.6	0
06/09/2023 01:30	0.9	171	45	2	0
06/09/2023 01:40	0.9	216	52	2.1	0
06/09/2023 01:50	0.9	177	36	2.2	0
06/09/2023 02:00	0.7	126	48	1.2	0
06/09/2023 02:10	0.6	186	45	1.3	0
06/09/2023 02:20	0.4	242	59	1	0
06/09/2023 02:30	0.3	314	55	1	0
06/09/2023 02:40	0.8	118	40	2.1	0
06/09/2023 02:50	1.3	143	47	2.8	0
06/09/2023 03:00	0.5	305	44	1.4	0
06/09/2023 03:10	0.7	22	21	1.1	0
06/09/2023 03:20	0.6	40	26	1.2	0
06/09/2023 03:30	0.4	178	31	0.8	0
06/09/2023 03:40	0.4	25	15	1	0
06/09/2023 03:50	0.6	76	29	1.2	0
06/09/2023 04:00	0.6	72	20	1	0
06/09/2023 04:10	0.7	71	25	1.6	0
06/09/2023 04:20	0.4	76	36	0.8	0
06/09/2023 04:30	0.9	49	37	2.1	0
06/09/2023 04:40	0.9	93	33	1.8	0
06/09/2023 04:50	0.4	74	29	1	0
06/09/2023 05:00	0.2	53	22	0.9	0
06/09/2023 05:10	0	133	4	0.5	0
06/09/2023 05:20	0	36	0	0.4	0
06/09/2023 05:30	0.2	20	16	0.7	0
06/09/2023 05:40	0.1	36	14	0.6	0
06/09/2023 05:50	0.2	27	12	0.7	0
06/09/2023 06:00	0.1	34	8	0.4	0
06/09/2023 06:10	0.4	50	18	1.2	0
06/09/2023 06:20	0.3	77	24	0.8	0
06/09/2023 06:30	0.2	224	13	0.7	0
06/09/2023 06:40	0.4	136	33	0.8	0
06/09/2023 06:50	0.3	139	31	0.7	0
06/09/2023 07:00	0.3	99	21	0.8	0
06/09/2023 07:10	0.5	80	21	0.9	0
06/09/2023 07:20	0.8	104	29	1.2	0
06/09/2023 07:30	1.1	118	35	1.9	0
06/09/2023 07:40	1.2	112	31	2	0
06/09/2023 07:50	1.5	123	31	2.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/09/2023 08:00	1.7	123	26	3.1	0
06/09/2023 08:10	1.7	116	30	2.8	0
06/09/2023 08:20	1.5	129	31	2.8	0
06/09/2023 08:30	1.8	130	28	3.2	0
06/09/2023 08:40	2.1	117	29	3.8	0
06/09/2023 08:50	2.2	110	31	3.7	0
06/09/2023 09:00	2.3	108	38	3.9	0
06/09/2023 09:10	2.5	101	36	4.6	0
06/09/2023 09:20	2.2	117	27	4.3	0
06/09/2023 09:30	2.4	114	29	4.4	0
06/09/2023 09:40	2.4	104	32	4	0
06/09/2023 09:50	2.4	104	32	3.6	0
06/09/2023 10:00	2.4	103	26	3.7	0
06/09/2023 10:10	2.5	103	25	4.4	0
06/09/2023 10:20	2.5	102	34	4.8	0
06/09/2023 10:30	3	92	28	4.9	0
06/09/2023 10:40	3.2	95	27	5	0
06/09/2023 10:50	2.7	84	27	3.9	0
06/09/2023 11:00	3	81	25	4.7	0
06/09/2023 11:10	2.9	73	23	4.8	0
06/09/2023 11:20	2.9	88	24	4.7	0
06/09/2023 11:30	2.8	84	26	4.7	0
06/09/2023 11:40	3	83	27	4.5	0
06/09/2023 11:50	2.6	87	30	4.8	0
06/09/2023 12:00	2.5	76	25	4	0
06/09/2023 12:10	3	59	23	4.4	0
06/09/2023 12:20	2.8	57	25	4.5	0
06/09/2023 12:30	2.7	55	22	4.3	0
06/09/2023 12:40	2.5	57	23	4.3	0
06/09/2023 12:50	2.7	63	25	4.3	0
06/09/2023 13:00	2.7	56	20	4.2	0
06/09/2023 13:10	2.8	53	20	5.3	0
06/09/2023 13:20	2.7	54	23	4.4	0
06/09/2023 13:30	2.4	61	25	3.6	0
06/09/2023 13:40	2.6	56	20	4.4	0
06/09/2023 13:50	2.3	63	23	4	0
06/09/2023 14:00	2.2	56	26	3.9	0
06/09/2023 14:10	2.5	57	23	4	0
06/09/2023 14:20	2.3	54	24	4	0
06/09/2023 14:30	2.4	54	24	4	0
06/09/2023 14:40	2.6	58	20	4.4	0
06/09/2023 14:50	2.5	53	20	3.8	0
06/09/2023 15:00	2.3	58	24	3.8	0
06/09/2023 15:10	2.5	55	19	3.9	0
06/09/2023 15:20	2.2	51	22	3.7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/09/2023 15:30	2.3	48	21	3.6	0
06/09/2023 15:40	2.4	47	25	3.6	0
06/09/2023 15:50	2.1	50	22	3.4	0
06/09/2023 16:00	2.1	47	19	3.5	0
06/09/2023 16:10	2	50	19	3.3	0
06/09/2023 16:20	1.9	48	19	3.1	0
06/09/2023 16:30	1.8	47	21	3	0
06/09/2023 16:40	1.5	45	18	2.3	0
06/09/2023 16:50	1.4	51	17	2.1	0
06/09/2023 17:00	1.3	47	17	2	0
06/09/2023 17:10	1.2	48	20	1.8	0
06/09/2023 17:20	1.2	29	19	1.8	0
06/09/2023 17:30	1.3	33	19	1.9	0
06/09/2023 17:40	1.3	45	16	2	0
06/09/2023 17:50	0.8	48	18	1.4	0
06/09/2023 18:00	0	349	0	0.4	0
06/09/2023 18:10	0.2	348	3	0.8	0
06/09/2023 18:20	0.6	174	11	1	0
06/09/2023 18:30	1.3	13	13	1.9	0
06/09/2023 18:40	1.4	16	17	2	0
06/09/2023 18:50	1.3	14	20	1.9	0
06/09/2023 19:00	0.8	189	21	1.2	0
06/09/2023 19:10	1.3	224	11	2.1	0
06/09/2023 19:20	1.4	250	9	1.9	0
06/09/2023 19:30	0.2	155	25	0.7	0
06/09/2023 19:40	0.3	188	17	0.7	0
06/09/2023 19:50	0.8	345	6	1	0
06/09/2023 20:00	0.5	354	9	0.9	0
06/09/2023 20:10	0.6	352	10	0.8	0
06/09/2023 20:20	0.3	336	6	0.8	0
06/09/2023 20:30	0.1	346	3	0.5	0
06/09/2023 20:40	0.7	350	9	0.9	0
06/09/2023 20:50	1	343	7	1.4	0
06/09/2023 21:00	0.8	343	9	1.1	0
06/09/2023 21:10	0.8	343	9	1	0
06/09/2023 21:20	0.7	343	8	1	0
06/09/2023 21:30	0.7	349	8	1	0
06/09/2023 21:40	0.7	338	9	1.1	0
06/09/2023 21:50	0.3	332	9	0.8	0
06/09/2023 22:00	1.5	281	30	2.7	0
06/09/2023 22:10	1.6	274	31	2.8	0
06/09/2023 22:20	1.2	271	21	2.3	0
06/09/2023 22:30	0.6	271	25	1.2	0
06/09/2023 22:40	1	264	40	1.6	0
06/09/2023 22:50	1.3	251	23	2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/09/2023 23:00	1.6	256	14	2.5	0
06/09/2023 23:10	1.2	287	16	1.6	0
06/09/2023 23:20	0.9	329	15	1.2	0
06/09/2023 23:30	0	206	2	0.5	0
06/09/2023 23:40	1.5	242	31	2.8	0
06/09/2023 23:50	2.2	266	15	3.2	0
06/10/2023 00:00	2.1	262	14	2.9	0
06/10/2023 00:10	1.5	270	18	2.1	0
06/10/2023 00:20	2.7	264	12	3.8	0
06/10/2023 00:30	2	251	16	2.8	0
06/10/2023 00:40	1.4	254	19	2.1	0
06/10/2023 00:50	1.9	264	14	3	0
06/10/2023 01:00	1.6	254	16	2.3	0
06/10/2023 01:10	1.8	263	15	2.5	0
06/10/2023 01:20	1.9	265	13	2.6	0
06/10/2023 01:30	1.5	257	13	2.1	0
06/10/2023 01:40	1.1	222	34	2	0
06/10/2023 01:50	2	262	14	2.9	0
06/10/2023 02:00	2	265	19	2.9	0
06/10/2023 02:10	2.1	259	17	3	0
06/10/2023 02:20	2.1	262	18	2.9	0
06/10/2023 02:30	1.5	248	20	2.4	0
06/10/2023 02:40	1.2	236	25	2	0
06/10/2023 02:50	1.4	234	23	2.2	0
06/10/2023 03:00	1.1	244	22	1.8	0
06/10/2023 03:10	1.5	253	18	2.2	0
06/10/2023 03:20	1.1	225	21	1.8	0
06/10/2023 03:30	0.3	31	39	0.8	0
06/10/2023 03:40	0.4	56	29	0.9	0
06/10/2023 03:50	0.3	81	32	1.1	0
06/10/2023 04:00	0.9	168	30	2.2	0
06/10/2023 04:10	1	225	30	1.7	0
06/10/2023 04:20	0.8	281	25	1.3	0
06/10/2023 04:30	0.8	250	45	2.2	0
06/10/2023 04:40	1.1	285	14	1.6	0
06/10/2023 04:50	1.1	236	15	1.6	0
06/10/2023 05:00	0.9	242	16	1.2	0
06/10/2023 05:10	1.2	250	13	1.6	0
06/10/2023 05:20	0.6	174	26	1.2	0
06/10/2023 05:30					0
06/10/2023 05:40	0.1	283	14	0.6	0
06/10/2023 05:50	0.1	190	8	0.7	0
06/10/2023 06:00	0.1	50	10	0.5	0
06/10/2023 06:10	0.2	348	5	0.7	0
06/10/2023 06:20	0.5	345	11	0.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/10/2023 06:30	0.5	354	12	1.1	0
06/10/2023 06:40	0.9	345	12	1.2	0
06/10/2023 06:50	0.9	348	14	1.3	0
06/10/2023 07:00	0.4	175	16	0.9	0
06/10/2023 07:10	0.7	350	11	1.2	0
06/10/2023 07:20	0.3	35	15	0.7	0
06/10/2023 07:30	0.5	39	20	1.1	0
06/10/2023 07:40	0.2	53	13	0.6	0
06/10/2023 07:50	0.3	65	18	1	0
06/10/2023 08:00	0.7	69	26	1.3	0
06/10/2023 08:10	0.9	114	31	1.6	0
06/10/2023 08:20	1	96	24	1.9	0
06/10/2023 08:30	1	125	32	1.7	0
06/10/2023 08:40	1.1	140	31	1.7	0
06/10/2023 08:50	1.1	146	44	1.7	0
06/10/2023 09:00	1.7	169	31	2.9	0
06/10/2023 09:10	1.3	135	32	2.4	0
06/10/2023 09:20	1.2	99	33	2.1	0
06/10/2023 09:30	1.2	103	41	2.2	0
06/10/2023 09:40	1.4	109	36	2.4	0
06/10/2023 09:50	1.6	117	31	2.6	0
06/10/2023 10:00	1.3	120	34	2.3	0
06/10/2023 10:10	1.3	135	33	2	0
06/10/2023 10:20	1.3	119	37	2.8	0
06/10/2023 10:30	1.6	113	30	2.6	0
06/10/2023 10:40	1.5	119	31	2.6	0
06/10/2023 10:50	1.5	115	28	2.5	0
06/10/2023 11:00	1.4	134	30	2.4	0
06/10/2023 11:10	1.4	108	33	2.6	0
06/10/2023 11:20	1.6	117	39	2.4	0
06/10/2023 11:30	1.7	99	31	2.8	0
06/10/2023 11:40	1.8	74	32	2.8	0
06/10/2023 11:50	1.9	64	25	3.2	0
06/10/2023 12:00	1.9	63	23	3.2	0
06/10/2023 12:10	2.1	66	26	3.5	0
06/10/2023 12:20	2.2	64	25	3.5	0
06/10/2023 12:30	2.4	64	24	4	0
06/10/2023 12:40	2.4	62	26	4	0
06/10/2023 12:50	2.5	60	22	3.9	0
06/10/2023 13:00	2.4	65	22	3.7	0
06/10/2023 13:10	2.2	64	24	3.2	0
06/10/2023 13:20	2.5	57	23	3.7	0
06/10/2023 13:30	2.3	56	22	3.7	0
06/10/2023 13:40	2.2	61	24	3.5	0
06/10/2023 13:50	2	63	25	3.1	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/10/2023 14:00	2.3	46	26	3.5	0
06/10/2023 14:10	2.2	57	22	3.5	0
06/10/2023 14:20	2.2	55	20	3.8	0
06/10/2023 14:30	2.3	48	23	3.3	0
06/10/2023 14:40	2.4	49	22	3.9	0
06/10/2023 14:50	2.7	54	19	4.1	0
06/10/2023 15:00	2.3	58	19	3.5	0
06/10/2023 15:10	2.2	59	19	3.5	0
06/10/2023 15:20	2.2	62	20	3.6	0
06/10/2023 15:30	2	57	27	3.1	0
06/10/2023 15:40	1.8	37	33	3	0
06/10/2023 15:50	1.9	24	36	3.2	0
06/10/2023 16:00	1.6	186	38	2.8	0
06/10/2023 16:10	2	19	30	3.2	0
06/10/2023 16:20	2.3	12	27	3.6	0
06/10/2023 16:30	2	16	35	3.1	0
06/10/2023 16:40	2.3	16	22	3.8	0
06/10/2023 16:50	2.2	17	28	3.6	0
06/10/2023 17:00	2.3	13	28	3.5	0
06/10/2023 17:10	1.6	29	26	2.5	0
06/10/2023 17:20	2	330	25	3.1	0
06/10/2023 17:30	2.5	331	19	3.7	0
06/10/2023 17:40	1.9	320	34	3.9	0
06/10/2023 17:50	1.9	311	39	3.1	0
06/10/2023 18:00	1.6	306	34	2.8	0
06/10/2023 18:10	1.4	281	36	2.5	0
06/10/2023 18:20	1.8	257	18	2.4	0
06/10/2023 18:30	2.1	255	14	3	0
06/10/2023 18:40	2.1	255	11	2.7	0
06/10/2023 18:50	2.3	257	13	3.1	0
06/10/2023 19:00	2.7	259	14	3.8	0
06/10/2023 19:10	2.7	256	15	4.3	0
06/10/2023 19:20	2.4	253	13	3.5	0
06/10/2023 19:30	2.6	263	14	3.6	0
06/10/2023 19:40	2.4	260	14	3.5	0
06/10/2023 19:50	2.5	257	14	3.4	0
06/10/2023 20:00	2.1	253	15	3.1	0
06/10/2023 20:10	2.5	257	12	3.3	0
06/10/2023 20:20	2.2	256	16	3.1	0
06/10/2023 20:30	2.1	259	15	2.8	0
06/10/2023 20:40	2	258	13	3	0
06/10/2023 20:50	1.8	258	12	2.6	0
06/10/2023 21:00	1.8	257	16	2.5	0
06/10/2023 21:10	1.6	254	19	2.4	0
06/10/2023 21:20	2	263	18	2.7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/10/2023 21:30	1.7	273	16	2.7	0
06/10/2023 21:40	2.1	273	17	3.1	0
06/10/2023 21:50	2	272	15	2.9	0
06/10/2023 22:00	1.8	283	20	2.7	0
06/10/2023 22:10	1.8	283	23	3.2	0
06/10/2023 22:20	1.8	283	19	2.7	0
06/10/2023 22:30	1.6	280	18	2.2	0
06/10/2023 22:40	1.6	283	21	2.6	0
06/10/2023 22:50	1.6	284	17	2.3	0
06/10/2023 23:00	1.5	280	18	2.2	0
06/10/2023 23:10	1.7	276	18	2.3	0
06/10/2023 23:20	1.6	281	18	2.1	0
06/10/2023 23:30	1.4	292	21	2.4	0
06/10/2023 23:40	1.5	290	19	2.4	0
06/10/2023 23:50	1.8	275	17	2.5	0
06/11/2023 00:00	1.9	271	17	3	0
06/11/2023 00:10	1.9	262	18	2.8	0
06/11/2023 00:20	1.8	261	16	3.2	0
06/11/2023 00:30	2.1	265	15	2.8	0
06/11/2023 00:40	2.4	266	15	3.4	0
06/11/2023 00:50	2.2	264	16	3	0
06/11/2023 01:00	2.1	265	16	3.2	0
06/11/2023 01:10	1.9	268	15	2.8	0
06/11/2023 01:20	1.8	264	17	2.6	0
06/11/2023 01:30	2	260	17	3.1	0
06/11/2023 01:40	2.1	263	14	2.9	0
06/11/2023 01:50	2.1	265	17	2.8	0
06/11/2023 02:00	2.1	258	17	3.1	0
06/11/2023 02:10	2.2	255	18	3.1	0
06/11/2023 02:20	2.3	252	18	3.6	0
06/11/2023 02:30	2.6	257	16	3.9	0
06/11/2023 02:40	2.6	254	17	3.6	0
06/11/2023 02:50	2.5	255	14	3.4	0
06/11/2023 03:00	2.7	254	15	3.8	0
06/11/2023 03:10	2.5	257	15	3.6	0
06/11/2023 03:20	2.4	258	14	3.6	0
06/11/2023 03:30	2.4	267	14	3.5	0
06/11/2023 03:40	2.3	266	14	3.1	0
06/11/2023 03:50	2.3	263	14	3.2	0
06/11/2023 04:00	2.2	252	16	3.3	0
06/11/2023 04:10	2.3	259	17	3.4	0
06/11/2023 04:20	2.4	254	15	3.7	0
06/11/2023 04:30	2.2	254	16	3.5	0
06/11/2023 04:40	2.4	260	17	3.2	0
06/11/2023 04:50	2.3	255	14	3.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/11/2023 05:00	2.3	241	19	3.6	0
06/11/2023 05:10	2	234	23	3	0
06/11/2023 05:20	1	215	25	1.7	0
06/11/2023 05:30	0.7	227	21	1.1	0
06/11/2023 05:40	1.1	243	14	1.6	0
06/11/2023 05:50	0.9	261	16	1.5	0
06/11/2023 06:00	0.1	145	8	0.5	0
06/11/2023 06:10	0.5	286	25	1	0
06/11/2023 06:20	1.1	256	12	1.7	0
06/11/2023 06:30	0.8	266	19	1.3	0
06/11/2023 06:40	0.4	306	27	0.8	0
06/11/2023 06:50	0.6	179	12	1.2	0
06/11/2023 07:00	1.1	348	12	1.4	0
06/11/2023 07:10	1.1	341	10	1.4	0
06/11/2023 07:20	1.1	338	13	1.2	0
06/11/2023 07:30	0.8	177	15	1.1	0
06/11/2023 07:40	0.6	182	17	1	0
06/11/2023 07:50	0.3	184	16	0.8	0
06/11/2023 08:00	0.1	48	7	0.8	0
06/11/2023 08:10	0.8	69	18	1.2	0
06/11/2023 08:20	0.6	88	25	1.2	0
06/11/2023 08:30	1	137	33	1.6	0
06/11/2023 08:40	0.9	154	26	1.5	0
06/11/2023 08:50	0.9	151	29	1.4	0
06/11/2023 09:00	0.9	155	39	1.6	0
06/11/2023 09:10	1.2	162	31	2.4	0
06/11/2023 09:20	1.2	162	32	2.3	0
06/11/2023 09:30	1.7	199	24	2.5	0
06/11/2023 09:40	1.9	218	22	3.2	0
06/11/2023 09:50	2.7	203	24	3.8	0
06/11/2023 10:00	2.4	213	24	4	0
06/11/2023 10:10	2.5	218	20	3.8	0
06/11/2023 10:20	2.4	227	28	3.8	0
06/11/2023 10:30	2.8	214	18	4	0
06/11/2023 10:40	2.8	219	21	4.3	0
06/11/2023 10:50	2.5	242	26	3.6	0
06/11/2023 11:00	2.3	246	23	3.9	0
06/11/2023 11:10	2.2	251	26	3.6	0
06/11/2023 11:20	2.2	258	33	3.5	0
06/11/2023 11:30	2	259	29	3.3	0
06/11/2023 11:40	2.7	257	17	4.1	0
06/11/2023 11:50	3	254	18	4.4	0
06/11/2023 12:00	3.5	247	16	4.9	0
06/11/2023 12:10	3	252	20	4.2	0
06/11/2023 12:20	3.1	252	23	4.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/11/2023 12:30	3.4	252	19	4.8	0
06/11/2023 12:40	3.2	260	21	4.7	0
06/11/2023 12:50	3.7	245	17	5.4	0
06/11/2023 13:00	3.4	255	17	5	0
06/11/2023 13:10	3.4	257	17	5.4	0
06/11/2023 13:20	3.4	251	16	4.8	0
06/11/2023 13:30	3.4	246	17	4.9	0
06/11/2023 13:40	3.4	252	19	4.6	0
06/11/2023 13:50	3.3	241	15	4.5	0
06/11/2023 14:00	2.9	254	21	4.1	0
06/11/2023 14:10	3	259	19	4.7	0
06/11/2023 14:20	3.1	247	18	4.7	0
06/11/2023 14:30	3	253	20	4.4	0
06/11/2023 14:40	3.2	253	19	4.7	0
06/11/2023 14:50	3.9	246	19	5.4	0
06/11/2023 15:00	3.8	247	17	5.2	0
06/11/2023 15:10	3.9	248	15	5.5	0
06/11/2023 15:20	3.6	242	19	5.1	0
06/11/2023 15:30	3.3	248	19	4.6	0
06/11/2023 15:40	2.8	257	17	4.9	0
06/11/2023 15:50	2.7	247	18	4	0
06/11/2023 16:00	2.4	256	23	3.9	0
06/11/2023 16:10	2.4	255	19	3.6	0
06/11/2023 16:20	2.6	250	14	3.7	0
06/11/2023 16:30	2.2	258	20	3.6	0
06/11/2023 16:40	2.5	255	20	3.9	0
06/11/2023 16:50	3	246	18	4.1	0
06/11/2023 17:00	2.8	244	14	4	0
06/11/2023 17:10	2	259	29	3.2	0
06/11/2023 17:20	1.8	248	18	2.4	0
06/11/2023 17:30	1.8	255	23	3.2	0
06/11/2023 17:40	1.8	254	24	3	0
06/11/2023 17:50	1.6	279	38	3.1	0
06/11/2023 18:00	2	258	25	3.5	0
06/11/2023 18:10	2.1	264	28	3.4	0
06/11/2023 18:20	2.2	260	23	3.6	0
06/11/2023 18:30	1.7	258	23	2.8	0
06/11/2023 18:40	1.8	253	19	2.8	0
06/11/2023 18:50	2.2	248	14	3.6	0
06/11/2023 19:00	2	245	19	3.6	0
06/11/2023 19:10	2.2	253	18	3.9	0
06/11/2023 19:20	1.7	245	20	2.7	0
06/11/2023 19:30	1.8	242	21	2.8	0
06/11/2023 19:40	1.8	251	18	2.7	0
06/11/2023 19:50	2.1	260	22	4.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/11/2023 20:00	2.2	257	17	3.6	0
06/11/2023 20:10	2.6	259	18	3.9	0
06/11/2023 20:20	1.8	265	21	3.6	0
06/11/2023 20:30	1.7	265	19	2.8	0
06/11/2023 20:40	1.8	266	22	3.4	0
06/11/2023 20:50	1.8	271	23	3	0
06/11/2023 21:00	1.9	262	18	4	0
06/11/2023 21:10	1.6	270	21	2.5	0
06/11/2023 21:20	1.6	262	19	2.7	0
06/11/2023 21:30	2.1	267	18	3.5	0
06/11/2023 21:40	2.2	271	20	3.6	0
06/11/2023 21:50	2.1	270	20	3.4	0
06/11/2023 22:00	2.1	266	22	3.4	0
06/11/2023 22:10	1.8	269	20	2.4	0
06/11/2023 22:20	2.1	260	16	3	0
06/11/2023 22:30	2.2	261	15	3.4	0
06/11/2023 22:40	2.3	265	16	3.3	0
06/11/2023 22:50	2.5	266	16	3.6	0
06/11/2023 23:00	2.3	267	16	3.5	0
06/11/2023 23:10	2.5	264	15	3.3	0
06/11/2023 23:20	2.2	268	15	3.2	0
06/11/2023 23:30	2.4	266	14	3.5	0
06/11/2023 23:40	2.2	275	18	3.1	0
06/11/2023 23:50	2.3	287	16	3.6	0
06/12/2023 00:00	2.2	280	21	3.2	0
06/12/2023 00:10	2.7	273	17	3.6	0
06/12/2023 00:20	2.8	269	16	3.9	0
06/12/2023 00:30	2.5	275	16	3.7	0
06/12/2023 00:40	2.6	273	19	3.7	0
06/12/2023 00:50	2.6	275	19	3.6	0
06/12/2023 01:00	2.8	272	15	3.9	0
06/12/2023 01:10	2.8	271	16	3.9	0
06/12/2023 01:20	2.6	267	15	3.7	0
06/12/2023 01:30	2.7	268	16	4.2	0
06/12/2023 01:40	2.8	268	15	3.6	0
06/12/2023 01:50	2.4	266	17	3.6	0
06/12/2023 02:00	2.4	272	18	3.3	0
06/12/2023 02:10	2.5	269	17	3.6	0
06/12/2023 02:20	3.2	272	16	4.4	0
06/12/2023 02:30	3.1	264	19	4.3	0
06/12/2023 02:40	2.6	269	20	4.4	0
06/12/2023 02:50	2.6	272	21	3.9	0
06/12/2023 03:00	2.5	274	19	3.8	0
06/12/2023 03:10	2.4	274	18	3.4	0
06/12/2023 03:20	1.7	258	27	3.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/12/2023 03:30	1	259	39	1.9	0
06/12/2023 03:40	1	268	60	2.1	0
06/12/2023 03:50	1.8	229	26	3	0
06/12/2023 04:00	2.1	221	28	3.9	0
06/12/2023 04:10	1.9	212	22	3.2	0
06/12/2023 04:20	2	205	24	3.4	0
06/12/2023 04:30	2.3	200	23	4.3	0
06/12/2023 04:40	2.4	199	23	3.7	0
06/12/2023 04:50	2.9	198	16	4.8	0
06/12/2023 05:00	3.1	195	18	5.2	0
06/12/2023 05:10	2.7	191	17	4	0
06/12/2023 05:20	2.8	192	17	4.4	0
06/12/2023 05:30	3.2	194	17	4.9	0
06/12/2023 05:40	2.8	188	18	4.6	0
06/12/2023 05:50	2.7	188	21	4.4	0
06/12/2023 06:00	2.1	180	24	3.6	0
06/12/2023 06:10	2.2	173	29	4.1	0
06/12/2023 06:20	1.9	176	31	3.2	0
06/12/2023 06:30	2.6	179	24	4.6	0
06/12/2023 06:40	2.2	181	22	4	0
06/12/2023 06:50	2.7	175	23	4.5	0
06/12/2023 07:00	2.4	176	26	4	0
06/12/2023 07:10	2	181	26	3.7	0
06/12/2023 07:20	1.5	172	36	3.3	0
06/12/2023 07:30	0.7	90	52	1.4	0
06/12/2023 07:40	1.4	113	33	2.5	0
06/12/2023 07:50	1.3	114	33	2.2	0
06/12/2023 08:00	1.4	110	31	2.2	0
06/12/2023 08:10	1.3	92	24	2	0
06/12/2023 08:20	1.3	101	32	2.4	0
06/12/2023 08:30	1.9	117	28	3.1	0
06/12/2023 08:40	2.1	111	30	3.2	0
06/12/2023 08:50	1.9	108	33	3.5	0
06/12/2023 09:00	2.2	97	33	3.4	0
06/12/2023 09:10	2.1	91	23	3.4	0
06/12/2023 09:20	2.3	86	27	3.6	0
06/12/2023 09:30	2.5	89	25	4.2	0
06/12/2023 09:40	2.7	86	26	4	0
06/12/2023 09:50	2.6	89	25	4.7	0
06/12/2023 10:00	3.1	77	22	4.9	0
06/12/2023 10:10	2.8	74	25	4.7	0
06/12/2023 10:20	2.9	75	25	4.4	0
06/12/2023 10:30	2.9	78	23	4.5	0
06/12/2023 10:40	2.7	76	27	4.4	0
06/12/2023 10:50	2.6	96	29	4.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/12/2023 11:00	2.2	87	28	3.6	0
06/12/2023 11:10	2.2	74	24	3.8	0
06/12/2023 11:20	2.5	82	26	4.2	0
06/12/2023 11:30	2.2	88	29	3.6	0
06/12/2023 11:40	2.2	73	27	4	0
06/12/2023 11:50	2.4	76	27	4.1	0
06/12/2023 12:00	2.3	71	25	3.5	0
06/12/2023 12:10	2.3	80	26	3.7	0
06/12/2023 12:20	2.3	71	25	3.5	0
06/12/2023 12:30	2.4	65	22	3.9	0
06/12/2023 12:40	2.6	66	24	4.2	0
06/12/2023 12:50	2.5	69	21	4	0
06/12/2023 13:00	2.6	64	27	4	0
06/12/2023 13:10	2.9	61	24	4.4	0
06/12/2023 13:20	2.6	62	25	4.5	0
06/12/2023 13:30	2.6	63	21	4	0
06/12/2023 13:40	2.8	53	18	5	0
06/12/2023 13:50	3	54	22	4.1	0
06/12/2023 14:00	2.8	53	24	4.6	0
06/12/2023 14:10	2.5	57	26	4	0
06/12/2023 14:20	2.9	51	20	4.3	0
06/12/2023 14:30	2.8	55	18	4.2	0
06/12/2023 14:40	2.8	58	22	4.8	0
06/12/2023 14:50	2.7	62	23	4.4	0
06/12/2023 15:00	2.6	53	20	4.4	0
06/12/2023 15:10	2.5	62	23	3.9	0
06/12/2023 15:20	2.7	60	24	4.4	0
06/12/2023 15:30	2.5	58	23	4.1	0
06/12/2023 15:40	2.5	58	21	4.3	0
06/12/2023 15:50	2.4	59	21	4.2	0
06/12/2023 16:00	2.5	46	21	4	0
06/12/2023 16:10	2	50	20	3.3	0
06/12/2023 16:20	2.7	46	20	4.3	0
06/12/2023 16:30	2.2	45	20	3.2	0
06/12/2023 16:40	2.1	41	21	3.2	0
06/12/2023 16:50	2.1	45	20	3.5	0
06/12/2023 17:00	1.8	51	18	2.4	0
06/12/2023 17:10	1.3	47	20	2	0
06/12/2023 17:20	1.5	26	27	2.6	0
06/12/2023 17:30	1.1	48	25	1.8	0
06/12/2023 17:40	1.1	9	39	2	0
06/12/2023 17:50	1	10	46	1.9	0
06/12/2023 18:00	1.2	176	32	2.2	0
06/12/2023 18:10	1.5	347	29	2.4	0
06/12/2023 18:20	1.4	345	32	2.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/12/2023 18:30	1.6	326	20	2.4	0
06/12/2023 18:40	1.4	279	28	2.3	0
06/12/2023 18:50	1	287	33	2.1	0
06/12/2023 19:00	1.4	305	35	2.4	0
06/12/2023 19:10	1.2	246	13	1.6	0
06/12/2023 19:20	0.9	263	21	1.9	0
06/12/2023 19:30	1.5	256	13	2.3	0
06/12/2023 19:40	1.4	258	10	2	0
06/12/2023 19:50	1.7	258	11	2.5	0
06/12/2023 20:00	1.5	257	16	2.3	0
06/12/2023 20:10	2	251	14	2.8	0
06/12/2023 20:20	1.9	251	12	2.8	0
06/12/2023 20:30	1.9	257	13	2.6	0
06/12/2023 20:40	1.9	255	12	2.8	0
06/12/2023 20:50	1.6	256	16	2.4	0
06/12/2023 21:00	1.4	249	14	2.3	0
06/12/2023 21:10	1.8	262	14	2.9	0
06/12/2023 21:20	1.8	269	16	2.7	0
06/12/2023 21:30	1.5	262	13	2.1	0
06/12/2023 21:40	1.6	264	18	2.1	0
06/12/2023 21:50	1.7	269	15	2.4	0
06/12/2023 22:00	1.4	272	17	2	0
06/12/2023 22:10	1.7	271	15	2.3	0
06/12/2023 22:20	1.6	271	15	2.2	0
06/12/2023 22:30	1.5	263	13	2	0
06/12/2023 22:40	1	256	25	2.1	0
06/12/2023 22:50	0.4	183	25	1.2	0
06/12/2023 23:00	0.3	107	28	0.9	0
06/12/2023 23:10	1.1	213	55	1.9	0
06/12/2023 23:20	0.9	260	15	1.2	0
06/12/2023 23:30	0.5	248	10	0.8	0
06/12/2023 23:40	1	259	13	1.4	0
06/12/2023 23:50	1.2	259	12	1.6	0
13/06/2023 00:00	0.7	261	16	1.2	0
13/06/2023 00:10	1	276	20	1.4	0
13/06/2023 00:20	0.8	296	26	1.2	0
13/06/2023 00:30	0.2	281	21	0.8	0
13/06/2023 00:40	0	195	4	0.4	0
13/06/2023 00:50	0.5	197	36	0.8	0
13/06/2023 01:00	0.7	355	26	1	0
13/06/2023 01:10	0.7	184	25	1.1	0
13/06/2023 01:20	0.5	11	22	1.1	0
13/06/2023 01:30	0.8	30	38	1.2	0
13/06/2023 01:40	0.7	16	79	1.4	0
13/06/2023 01:50	0.7	348	26	1.1	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/06/2023 02:00	0.5	29	28	1.2	0
13/06/2023 02:10	0.7	25	27	1	0
13/06/2023 02:20	0.5	160	41	1.1	0
13/06/2023 02:30	0.2	190	13	0.8	0
13/06/2023 02:40	0.7	35	22	1.2	0
13/06/2023 02:50	0.6	50	27	1.1	0
13/06/2023 03:00	0.7	67	21	1.2	0
13/06/2023 03:10	0.6	61	21	1.2	0
13/06/2023 03:20	0.8	96	27	1.4	0
13/06/2023 03:30	0.8	114	38	1.6	0
13/06/2023 03:40	1.1	100	33	2.1	0
13/06/2023 03:50	1.6	97	33	2.8	0
13/06/2023 04:00	2.1	99	28	3.4	0
13/06/2023 04:10	2	97	32	3.6	0
13/06/2023 04:20	2.2	95	29	3.6	0
13/06/2023 04:30	2.1	96	32	4	0
13/06/2023 04:40	2.4	98	30	3.9	0
13/06/2023 04:50	1.9	104	32	3.2	0
13/06/2023 05:00	1.8	105	28	3.2	0
13/06/2023 05:10	1.9	107	31	3.6	0
13/06/2023 05:20	2.5	103	27	4.5	0
13/06/2023 05:30	2.4	106	31	4.4	0
13/06/2023 05:40	2.6	106	30	4.1	0
13/06/2023 05:50	2.7	107	36	4.3	0
13/06/2023 06:00	2.6	107	35	5	0
13/06/2023 06:10	2.7	97	40	4.3	0
13/06/2023 06:20	3.2	97	28	5.3	0
13/06/2023 06:30	3.1	95	27	5.1	0
13/06/2023 06:40	2.7	97	39	4.8	0
13/06/2023 06:50	2.5	106	26	4.3	0
13/06/2023 07:00	2.4	104	35	4.5	0
13/06/2023 07:10	3.1	97	26	5.2	0
13/06/2023 07:20	3	98	28	5.3	0
13/06/2023 07:30	2.8	96	32	4.5	0
13/06/2023 07:40	3.2	97	32	5	0
13/06/2023 07:50	3.2	101	29	5.8	0
13/06/2023 08:00	3.3	99	28	5.3	0
13/06/2023 08:10	3	99	29	5.7	0
13/06/2023 08:20	3.2	101	32	5	0
13/06/2023 08:30	3.1	101	30	4.9	0
13/06/2023 08:40	3	100	33	5.6	0
13/06/2023 08:50	3.4	101	32	5.4	0
13/06/2023 09:00	3.3	100	29	5.6	0
13/06/2023 09:10	3.4	100	33	6.2	0
13/06/2023 09:20	3.5	101	28	5.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/06/2023 09:30	3.6	95	21	6	0
13/06/2023 09:40	3.4	98	33	5.6	0
13/06/2023 09:50	3.7	94	27	5.7	0
13/06/2023 10:00	3.9	88	24	6.7	0
13/06/2023 10:10	4	85	25	6.4	0
13/06/2023 10:20	4.1	93	22	6.8	0
13/06/2023 10:30	3.8	93	25	6.8	0
13/06/2023 10:40	3.7	83	26	6.6	0
13/06/2023 10:50	4.2	83	20	7.5	0
13/06/2023 11:00	3.7	86	23	6.2	0
13/06/2023 11:10	4	87	22	6.1	0
13/06/2023 11:20	3.7	91	23	5.7	0
13/06/2023 11:30	3.6	86	22	5.9	0
13/06/2023 11:40	3.2	66	25	5.3	0
13/06/2023 11:50	3.4	72	22	5.7	0
13/06/2023 12:00	3.1	77	27	5.2	0
13/06/2023 12:10	3.6	66	24	5.7	0
13/06/2023 12:20	3.5	60	22	5.7	0
13/06/2023 12:30	3.3	71	21	5.2	0
13/06/2023 12:40	3.3	65	22	5.3	0
13/06/2023 12:50	3.1	68	21	4.7	0
13/06/2023 13:00	3.3	64	21	4.8	0
13/06/2023 13:10	3.4	65	22	5.1	0
13/06/2023 13:20	3.5	64	25	5.4	0
13/06/2023 13:30	3.4	63	21	5.9	0
13/06/2023 13:40	3.2	62	24	5.4	0
13/06/2023 13:50	3.2	68	22	5.2	0
13/06/2023 14:00	3.2	63	21	5.2	0
13/06/2023 14:10	3.1	63	23	5.3	0
13/06/2023 14:20	3	65	23	5.4	0
13/06/2023 14:30	2.8	72	23	4	0
13/06/2023 14:40	2.7	65	23	4.8	0
13/06/2023 14:50	2.7	67	23	4.2	0
13/06/2023 15:00	2.7	65	22	5.2	0
13/06/2023 15:10	2.6	62	22	4.4	0
13/06/2023 15:20	2.4	65	23	3.7	0
13/06/2023 15:30	2.7	69	23	4.3	0
13/06/2023 15:40	2.6	70	21	3.8	0
13/06/2023 15:50	2.5	70	21	4.3	0
13/06/2023 16:00	2.3	66	26	4	0
13/06/2023 16:10	2.4	48	21	3.8	0
13/06/2023 16:20	2.7	51	20	3.9	0
13/06/2023 16:30	2.2	53	21	3.9	0
13/06/2023 16:40	2.3	52	20	3.6	0
13/06/2023 16:50	2.1	50	16	3.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/06/2023 17:00	2.1	50	17	3.6	0
13/06/2023 17:10	2.1	50	17	3.2	0
13/06/2023 17:20	1.6	47	19	2.4	0
13/06/2023 17:30	1.5	47	20	2.4	0
13/06/2023 17:40	1.6	39	19	2.7	0
13/06/2023 17:50	1.7	35	18	2.4	0
13/06/2023 18:00	1.8	29	21	2.9	0
13/06/2023 18:10	1.4	26	20	2.3	0
13/06/2023 18:20	1.3	27	21	1.9	0
13/06/2023 18:30	1	7	23	1.6	0
13/06/2023 18:40	1.2	18	20	1.8	0
13/06/2023 18:50	1.4	19	17	2	0
13/06/2023 19:00	1.3	26	16	1.9	0
13/06/2023 19:10	1.2	17	13	1.6	0
13/06/2023 19:20	1.3	18	15	1.7	0
13/06/2023 19:30	1.1	21	16	1.6	0
13/06/2023 19:40	1.1	19	17	1.6	0
13/06/2023 19:50	1.2	18	15	1.6	0
13/06/2023 20:00	1.2	12	16	1.7	0
13/06/2023 20:10	1.4	23	20	2.1	0
13/06/2023 20:20	1.1	30	20	1.7	0
13/06/2023 20:30	0.1	170	12	0.4	0
13/06/2023 20:40	0.6	242	10	1.1	0
13/06/2023 20:50	0.6	266	11	1.1	0
13/06/2023 21:00	0	343	0	0.4	0
13/06/2023 21:10	0.7	278	39	1.1	0
13/06/2023 21:20	0.8	298	17	1.2	0
13/06/2023 21:30	0.5	339	10	0.9	0
13/06/2023 21:40	0.3	341	6	0.7	0
13/06/2023 21:50	0.3	186	4	0.7	0
13/06/2023 22:00	0	2	3	0.4	0
13/06/2023 22:10	0.2	12	8	0.6	0
13/06/2023 22:20	0.1	26	6	0.7	0
13/06/2023 22:30	0.4	24	11	0.8	0
13/06/2023 22:40	0.5	15	13	1.1	0
13/06/2023 22:50	0.4	20	15	0.8	0
13/06/2023 23:00	0.2	22	8	0.6	0
13/06/2023 23:10	0.6	169	13	1	0
13/06/2023 23:20	0.7	335	9	1	0
13/06/2023 23:30	0.2	311	6	0.7	0
13/06/2023 23:40	0.1	303	2	0.6	0
13/06/2023 23:50	0.4	305	7	0.8	0
14/06/2023 00:00	0.5	341	9	0.8	0
14/06/2023 00:10	1	337	7	1.2	0
14/06/2023 00:20	1.1	334	11	1.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/06/2023 00:30	1.1	339	14	1.3	0
14/06/2023 00:40	0.4	264	26	0.9	0
14/06/2023 00:50	0.4	16	26	0.8	0
14/06/2023 01:00	0.4	1	13	0.9	0
14/06/2023 01:10	0.8	352	10	1.1	0
14/06/2023 01:20	0.9	349	11	1.2	0
14/06/2023 01:30	0.8	352	14	1.2	0
14/06/2023 01:40	1	340	11	1.4	0
14/06/2023 01:50	0.7	339	7	1.2	0
14/06/2023 02:00	0.5	349	6	1.2	0
14/06/2023 02:10	1	345	10	1.3	0
14/06/2023 02:20	0.9	347	10	1.3	0
14/06/2023 02:30	0.7	331	21	1.2	0
14/06/2023 02:40	0.6	322	27	1.1	0
14/06/2023 02:50	1	279	25	1.6	0
14/06/2023 03:00	2	244	20	3.4	0
14/06/2023 03:10	1.8	258	17	2.8	0
14/06/2023 03:20	1.6	241	17	2.4	0
14/06/2023 03:30	1.3	155	43	2.4	0
14/06/2023 03:40	0.6	61	45	1.2	0
14/06/2023 03:50	0.4	195	48	1.1	0
14/06/2023 04:00	0.5	321	39	0.9	0
14/06/2023 04:10	0.4	101	54	1.2	0
14/06/2023 04:20	0.1	27	14	0.6	0
14/06/2023 04:30	0.6	30	25	1	0
14/06/2023 04:40	0.2	39	15	0.7	0
14/06/2023 04:50	0.2	12	17	0.7	0
14/06/2023 05:00	0.4	21	20	0.8	0
14/06/2023 05:10	0.6	32	24	1	0
14/06/2023 05:20	0.5	39	20	0.9	0
14/06/2023 05:30	0.1	50	12	0.5	0
14/06/2023 05:40	0.1	42	17	0.5	0
14/06/2023 05:50	0.1	0	18	0.6	0
14/06/2023 06:00					0
14/06/2023 06:10	0.1	35	10	0.6	0
14/06/2023 06:20	0.1	19	18	0.6	0
14/06/2023 06:30	0.3	48	25	0.8	0
14/06/2023 06:40	0.1	58	17	0.5	0
14/06/2023 06:50	0.2	46	35	0.7	0
14/06/2023 07:00	0.2	47	28	0.8	0
14/06/2023 07:10	0.1	67	7	0.6	0
14/06/2023 07:20	0.3	81	16	0.9	0
14/06/2023 07:30	0.6	103	23	1.2	0
14/06/2023 07:40	0.8	114	36	1.6	0
14/06/2023 07:50	1.3	122	30	2.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/06/2023 08:00	1.4	120	28	2.6	0
14/06/2023 08:10	1.5	116	28	2.3	0
14/06/2023 08:20	1.6	115	30	2.7	0
14/06/2023 08:30	1.6	116	32	2.7	0
14/06/2023 08:40	1.7	112	28	3.1	0
14/06/2023 08:50	1.6	119	33	2.7	0
14/06/2023 09:00	2	118	26	3.5	0
14/06/2023 09:10	2.2	107	30	3.2	0
14/06/2023 09:20	1.9	116	34	3.6	0
14/06/2023 09:30	2.1	115	28	3.3	0
14/06/2023 09:40	2.1	120	26	3.3	0
14/06/2023 09:50	1.9	116	34	3.3	0
14/06/2023 10:00	1.9	100	25	3.2	0
14/06/2023 10:10	2.2	106	29	3.8	0
14/06/2023 10:20	2	95	34	3.7	0
14/06/2023 10:30	2.4	90	29	4.4	0
14/06/2023 10:40	2.6	91	23	4	0
14/06/2023 10:50	2.3	93	29	3.9	0
14/06/2023 11:00	2.5	81	28	4	0
14/06/2023 11:10	2.5	86	28	4.2	0
14/06/2023 11:20	2.4	78	25	4.4	0
14/06/2023 11:30	2.4	66	26	3.9	0
14/06/2023 11:40	2.5	59	22	4.1	0
14/06/2023 11:50	2.4	64	24	4.5	0
14/06/2023 12:00	2.4	63	22	3.8	0
14/06/2023 12:10	2.4	65	23	4.2	0
14/06/2023 12:20	2.4	62	23	3.7	0
14/06/2023 12:30	2.6	55	24	4.2	0
14/06/2023 12:40	2.9	51	20	4.7	0
14/06/2023 12:50	2.4	53	21	4.4	0
14/06/2023 13:00	2.5	59	22	3.6	0
14/06/2023 13:10	2.7	48	17	4.8	0
14/06/2023 13:20	2.7	50	22	4.3	0
14/06/2023 13:30	2.7	54	22	4.2	0
14/06/2023 13:40	2.7	62	23	4.3	0
14/06/2023 13:50	2.7	52	21	4.4	0
14/06/2023 14:00	2.2	57	25	3.5	0
14/06/2023 14:10	2.7	55	21	4.3	0
14/06/2023 14:20	2.8	56	23	4.2	0
14/06/2023 14:30	2.6	56	24	4.4	0
14/06/2023 14:40	2.9	50	19	4.4	0
14/06/2023 14:50	2.5	57	25	3.9	0
14/06/2023 15:00	2.3	58	18	4	0
14/06/2023 15:10	2.1	54	23	3.7	0
14/06/2023 15:20	2.1	68	22	3.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/06/2023 15:30	1.9	62	22	2.9	0
14/06/2023 15:40	1.9	66	24	2.9	0
14/06/2023 15:50	1.9	61	21	3.5	0
14/06/2023 16:00	2	61	19	3.4	0
14/06/2023 16:10	2	54	24	2.9	0
14/06/2023 16:20	1.5	53	22	2.4	0
14/06/2023 16:30	1.8	31	31	2.9	0
14/06/2023 16:40	1.7	15	33	3.2	0
14/06/2023 16:50	1.9	13	28	3	0
14/06/2023 17:00	2	17	31	3.3	0
14/06/2023 17:10	2.2	12	28	3.6	0
14/06/2023 17:20	1.5	11	35	2.9	0
14/06/2023 17:30	1.8	179	27	3.2	0
14/06/2023 17:40	1.7	18	27	2.9	0
14/06/2023 17:50	1.9	350	24	3.1	0
14/06/2023 18:00	2.5	347	17	3.6	0
14/06/2023 18:10	1.9	332	24	2.9	0
14/06/2023 18:20	1.9	340	23	3.2	0
14/06/2023 18:30	2	344	24	3.2	0
14/06/2023 18:40	2.2	351	24	3.4	0
14/06/2023 18:50	2.9	345	13	3.9	0
14/06/2023 19:00	2.8	346	20	4	0
14/06/2023 19:10	2.5	340	21	3.7	0
14/06/2023 19:20	2.1	344	35	3.4	0
14/06/2023 19:30	1.6	299	40	2.6	0
14/06/2023 19:40	1	215	28	1.7	0
14/06/2023 19:50	1	324	41	1.6	0
14/06/2023 20:00	0.6	205	17	1.2	0
14/06/2023 20:10	0	274	1	0.4	0
14/06/2023 20:20	0.6	342	16	1.4	0
14/06/2023 20:30	1.2	201	35	2.4	0
14/06/2023 20:40	0.8	53	54	1.6	0
14/06/2023 20:50	1.5	268	34	2.7	0
14/06/2023 21:00	1.5	245	25	2.5	0
14/06/2023 21:10	1.6	257	18	2.1	0
14/06/2023 21:20	1.3	260	24	2	0
14/06/2023 21:30	1.3	277	25	2	0
14/06/2023 21:40	1.4	269	18	2.3	0
14/06/2023 21:50	1.5	278	24	2.4	0
14/06/2023 22:00	1.4	270	19	2	0
14/06/2023 22:10	1.5	275	15	2	0
14/06/2023 22:20	1.6	272	14	2.2	0
14/06/2023 22:30	1.3	290	24	2.4	0
14/06/2023 22:40	1.2	296	17	1.7	0
14/06/2023 22:50	0.6	216	26	1.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/06/2023 23:00	1.1	317	21	1.5	0
14/06/2023 23:10	0.9	234	32	1.4	0
14/06/2023 23:20	0.4	179	27	0.9	0
14/06/2023 23:30	0	159	8	0.4	0
14/06/2023 23:40	0.8	289	15	1.3	0
14/06/2023 23:50	1.6	269	15	2.3	0
15/06/2023 00:00	1.6	259	11	2.2	0
15/06/2023 00:10	1.5	254	25	2	0
15/06/2023 00:20	1.5	253	18	2.4	0
15/06/2023 00:30	0.8	243	28	1.7	0
15/06/2023 00:40	1.6	267	14	2.3	0
15/06/2023 00:50	0.7	254	33	1.4	0
15/06/2023 01:00	1.2	261	18	1.7	0
15/06/2023 01:10	1.7	253	16	2.8	0
15/06/2023 01:20	1	248	40	1.8	0
15/06/2023 01:30	0.2	105	12	0.8	0
15/06/2023 01:40	0.8	286	20	1.5	0
15/06/2023 01:50	1.4	265	21	2.2	0
15/06/2023 02:00	1.4	280	20	2	0
15/06/2023 02:10	1.9	276	20	3	0
15/06/2023 02:20	1.8	264	21	2.8	0
15/06/2023 02:30	2	269	15	2.6	0
15/06/2023 02:40	2.2	254	16	3.1	0
15/06/2023 02:50	1.5	227	23	2.7	0
15/06/2023 03:00	1	237	24	1.9	0
15/06/2023 03:10	1.2	250	22	2	0
15/06/2023 03:20	1.4	236	22	2.4	0
15/06/2023 03:30	1.8	235	20	2.6	0
15/06/2023 03:40	1.8	235	20	2.8	0
15/06/2023 03:50	2.2	236	20	3.6	0
15/06/2023 04:00	2.2	235	20	3.6	0
15/06/2023 04:10	2.3	231	16	3.6	0
15/06/2023 04:20	1.7	241	18	2.6	0
15/06/2023 04:30	1.3	225	29	2	0
15/06/2023 04:40	0.4	206	15	0.8	0
15/06/2023 04:50	0.9	62	14	1.7	0
15/06/2023 05:00	0.9	184	42	1.6	0
15/06/2023 05:10	0.8	164	34	1.3	0
15/06/2023 05:20	0.3	66	29	0.8	0
15/06/2023 05:30	1	43	17	1.3	0
15/06/2023 05:40	1	41	17	1.5	0
15/06/2023 05:50	0.4	186	31	1.2	0
15/06/2023 06:00	0.5	7	24	0.8	0
15/06/2023 06:10	0.7	11	14	1.1	0
15/06/2023 06:20	0.1	29	3	0.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/06/2023 06:30	0.1	39	6	0.5	0
15/06/2023 06:40	0	37	2	0.4	0
15/06/2023 06:50	0.1	225	16	0.7	0
15/06/2023 07:00	0.4	29	33	0.9	0
15/06/2023 07:10	0.9	83	38	1.6	0
15/06/2023 07:20	1.1	97	35	1.9	0
15/06/2023 07:30	1.1	78	22	2.1	0
15/06/2023 07:40	1.1	64	24	1.9	0
15/06/2023 07:50	2.1	85	27	3.9	0
15/06/2023 08:00	2.1	85	21	3.2	0
15/06/2023 08:10	2.3	84	25	3.8	0
15/06/2023 08:20	2	84	19	3.2	0
15/06/2023 08:30	1.7	89	29	3	0
15/06/2023 08:40	1.8	90	32	2.7	0
15/06/2023 08:50	1.8	93	26	2.9	0
15/06/2023 09:00	1.9	90	26	3.2	0
15/06/2023 09:10	2.1	92	26	3.6	0
15/06/2023 09:20	2	81	23	3.3	0
15/06/2023 09:30	2.3	75	22	3.8	0
15/06/2023 09:40	2.6	77	21	3.7	0
15/06/2023 09:50	2.8	76	22	4.8	0
15/06/2023 10:00	2.6	74	23	4	0
15/06/2023 10:10	2.5	77	26	4.1	0
15/06/2023 10:20	3	79	28	5.2	0
15/06/2023 10:30	3.1	71	25	5.3	0
15/06/2023 10:40	2.9	76	24	4.5	0
15/06/2023 10:50	3.1	78	23	5	0
15/06/2023 11:00	2.8	84	25	4.8	0
15/06/2023 11:10	3	75	25	4.4	0
15/06/2023 11:20	3.4	76	23	5.3	0
15/06/2023 11:30	3.6	87	23	6.1	0
15/06/2023 11:40	3.2	80	23	5.2	0
15/06/2023 11:50	3.3	81	23	5.2	0
15/06/2023 12:00	2.9	75	23	5.2	0
15/06/2023 12:10	3.1	85	30	4.6	0
15/06/2023 12:20	3.2	84	26	5.7	0
15/06/2023 12:30	3	65	22	4.4	0
15/06/2023 12:40	3.1	66	21	4.8	0
15/06/2023 12:50	2.9	63	23	5	0
15/06/2023 13:00	2.9	70	23	4.2	0
15/06/2023 13:10	2.8	68	24	4.4	0
15/06/2023 13:20	2.8	68	23	4.3	0
15/06/2023 13:30	2.7	64	22	4.4	0
15/06/2023 13:40	2.9	71	26	4.5	0
15/06/2023 13:50	2.9	73	20	4.4	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/06/2023 14:00	3	72	25	4.8	0
15/06/2023 14:10	2.9	66	21	4.8	0
15/06/2023 14:20	2.8	62	23	4.6	0
15/06/2023 14:30	2.7	71	22	4.5	0
15/06/2023 14:40	2.3	62	25	3.7	0
15/06/2023 14:50	2.6	57	20	4	0
15/06/2023 15:00	2.9	52	21	4.9	0
15/06/2023 15:10	2.9	57	22	4.7	0
15/06/2023 15:20	2.8	55	20	4.2	0
15/06/2023 15:30	2.8	51	21	4.2	0
15/06/2023 15:40	2.7	50	18	4	0
15/06/2023 15:50	2.4	51	21	4	0
15/06/2023 16:00	2.2	55	21	3.8	0
15/06/2023 16:10	2.2	55	17	3.4	0
15/06/2023 16:20	1.8	55	21	2.8	0
15/06/2023 16:30	1.9	51	18	3.1	0
15/06/2023 16:40	1.7	34	20	2.4	0
15/06/2023 16:50	1.9	40	19	2.7	0
15/06/2023 17:00	1.7	31	18	2.6	0
15/06/2023 17:10	1.2	34	22	1.6	0
15/06/2023 17:20	0.9	190	26	1.6	0
15/06/2023 17:30	1.2	22	25	2.3	0
15/06/2023 17:40	1.2	180	28	2.3	0
15/06/2023 17:50	1.8	349	22	3	0
15/06/2023 18:00	1.7	353	25	2.8	0
15/06/2023 18:10	1.7	347	23	2.5	0
15/06/2023 18:20	1.8	344	19	2.9	0
15/06/2023 18:30	1.4	337	21	2.3	0
15/06/2023 18:40	1.4	344	27	2.4	0
15/06/2023 18:50	1.6	345	20	2.8	0
15/06/2023 19:00	2.2	346	20	3.2	0
15/06/2023 19:10	1.7	9	26	3.1	0
15/06/2023 19:20	1.8	352	26	2.9	0
15/06/2023 19:30	1.5	342	22	2.8	0
15/06/2023 19:40	1.3	332	26	2	0
15/06/2023 19:50	1.4	343	24	2.2	0
15/06/2023 20:00	1.5	333	26	2.5	0
15/06/2023 20:10	1.4	171	28	2.6	0
15/06/2023 20:20	1.6	341	20	2.6	0
15/06/2023 20:30	1.6	189	26	3	0
15/06/2023 20:40	1.4	348	22	2.7	0
15/06/2023 20:50	1.5	341	19	2.4	0
15/06/2023 21:00	1.6	322	24	2.5	0
15/06/2023 21:10	0.9	333	23	1.7	0
15/06/2023 21:20	0.2	69	20	0.8	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/06/2023 21:30	0.5	48	16	0.9	0
15/06/2023 21:40	0.3	195	18	0.8	0
15/06/2023 21:50	0.5	171	10	0.9	0
15/06/2023 22:00	0.7	50	29	1.2	0
15/06/2023 22:10	0.3	144	34	0.9	0
15/06/2023 22:20	1	250	14	1.4	0
15/06/2023 22:30	0.4	155	12	0.9	0
15/06/2023 22:40	0.1	35	4	0.5	0
15/06/2023 22:50	0.2	60	11	0.7	0
15/06/2023 23:00	0.5	7	22	0.8	0
15/06/2023 23:10	0.7	182	11	1	0
15/06/2023 23:20	0.6	166	13	1.4	0
15/06/2023 23:30	0.6	29	27	1.2	0
15/06/2023 23:40	0.6	20	15	1	0
15/06/2023 23:50	0.4	184	10	0.9	0
16/06/2023 00:00	0.3	13	11	0.8	0
16/06/2023 00:10	0.2	187	3	0.7	0
16/06/2023 00:20	0.6	174	15	0.8	0
16/06/2023 00:30	0.1	22	5	0.6	0
16/06/2023 00:40	0.1	338	5	0.7	0
16/06/2023 00:50	0.3	178	12	0.8	0
16/06/2023 01:00	0.3	357	9	0.8	0
16/06/2023 01:10	0.3	179	13	0.8	0
16/06/2023 01:20	0.1	353	2	0.5	0
16/06/2023 01:30	0.3	22	8	0.9	0
16/06/2023 01:40	0.2	39	10	0.7	0
16/06/2023 01:50	0.8	330	10	1.5	0
16/06/2023 02:00	0.4	347	15	1.2	0
16/06/2023 02:10	0.4	236	7	1.1	0
16/06/2023 02:20	0.3	344	23	0.9	0
16/06/2023 02:30	0.5	330	11	1.1	0
16/06/2023 02:40	0.5	350	12	0.8	0
16/06/2023 02:50	0.1	159	10	0.6	0
16/06/2023 03:00	0.3	328	19	1.1	0
16/06/2023 03:10	0.5	347	10	1.3	0
16/06/2023 03:20	0.4	43	25	1.1	0
16/06/2023 03:30	0.4	2	15	0.8	0
16/06/2023 03:40	0.2	348	6	0.8	0
16/06/2023 03:50	0.7	345	11	1.2	0
16/06/2023 04:00	0.6	344	13	1.2	0
16/06/2023 04:10	0.4	313	9	0.9	0
16/06/2023 04:20	0.3	204	5	0.8	0
16/06/2023 04:30	0.3	146	28	0.8	0
16/06/2023 04:40	0.2	343	2	0.9	0
16/06/2023 04:50	0.3	352	8	0.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/06/2023 05:00	0.6	255	27	1.2	0
16/06/2023 05:10	0.5	215	19	0.9	0
16/06/2023 05:20	0.3	244	12	0.9	0
16/06/2023 05:30	0.5	198	32	1.2	0
16/06/2023 05:40	0.1	185	28	0.6	0
16/06/2023 05:50	0.1	316	16	0.6	0
16/06/2023 06:00	0.6	185	13	1	0
16/06/2023 06:10	0.9	22	18	1.4	0
16/06/2023 06:20	0.5	29	17	1.1	0
16/06/2023 06:30	0.6	35	18	1.2	0
16/06/2023 06:40	0.5	29	15	1.1	0
16/06/2023 06:50	0.2	28	12	0.8	0
16/06/2023 07:00	0.5	19	15	0.8	0
16/06/2023 07:10	0.2	286	23	0.7	0
16/06/2023 07:20	0.6	179	16	0.9	0
16/06/2023 07:30	0.2	349	6	0.8	0
16/06/2023 07:40	1.1	218	25	2.2	0
16/06/2023 07:50	1	136	44	2	0
16/06/2023 08:00	0.7	73	23	1.5	0
16/06/2023 08:10	0.7	47	20	1.1	0
16/06/2023 08:20	0.7	61	22	1.1	0
16/06/2023 08:30	0.8	43	17	1.6	0
16/06/2023 08:40	0.7	95	28	1.3	0
16/06/2023 08:50	1.1	102	25	1.8	0
16/06/2023 09:00	0.8	96	26	1.4	0
16/06/2023 09:10	0.6	126	43	1.2	0
16/06/2023 09:20	0.8	89	23	1.4	0
16/06/2023 09:30	1	92	30	1.6	0
16/06/2023 09:40	1	88	28	1.4	0
16/06/2023 09:50	1.2	88	27	2.1	0
16/06/2023 10:00	1.5	121	32	2.7	0
16/06/2023 10:10	1.1	126	28	2.3	0
16/06/2023 10:20	1.2	126	29	1.9	0
16/06/2023 10:30	1.1	128	30	1.8	0
16/06/2023 10:40	1.2	123	31	2.3	0
16/06/2023 10:50	1.4	112	31	2.2	0
16/06/2023 11:00	1.7	135	29	3	0
16/06/2023 11:10	1.9	125	33	3.4	0
16/06/2023 11:20	2.1	106	28	3.5	0
16/06/2023 11:30	1.9	121	32	2.9	0
16/06/2023 11:40	2.3	107	31	4	0
16/06/2023 11:50	2.2	106	29	3.4	0
16/06/2023 12:00	2	100	29	3.6	0
16/06/2023 12:10	2.1	79	25	3.5	0
16/06/2023 12:20	2.1	80	27	3.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/06/2023 12:30	2.3	73	21	4	0
16/06/2023 12:40	2	84	30	3.4	0
16/06/2023 12:50	2.3	70	25	3.9	0
16/06/2023 13:00	2.7	65	24	4.1	0
16/06/2023 13:10	2.6	53	19	4.4	0
16/06/2023 13:20	2.6	62	21	4.4	0
16/06/2023 13:30	2.7	71	22	4.4	0
16/06/2023 13:40	2.9	64	20	4.4	0
16/06/2023 13:50	2.9	56	23	4.3	0
16/06/2023 14:00	2.7	62	21	4.5	0
16/06/2023 14:10	2.7	58	25	4.2	0
16/06/2023 14:20	2.6	56	23	4.4	0
16/06/2023 14:30	2.6	68	25	4.9	0
16/06/2023 14:40	2.6	53	19	4	0
16/06/2023 14:50	2.4	58	21	4	0
16/06/2023 15:00	2.4	55	22	4	0
16/06/2023 15:10	2.3	52	20	3.5	0
16/06/2023 15:20	2.5	52	20	3.9	0
16/06/2023 15:30	2.7	47	19	4	0
16/06/2023 15:40	2.7	48	21	4.2	0
16/06/2023 15:50	2.6	49	22	4.1	0
16/06/2023 16:00	2.6	47	18	4	0
16/06/2023 16:10	2.3	47	20	3.4	0
16/06/2023 16:20	2.5	45	24	4.4	0
16/06/2023 16:30	2.4	39	20	3.4	0
16/06/2023 16:40	2.5	44	21	3.8	0
16/06/2023 16:50	2.2	42	19	3.6	0
16/06/2023 17:00	2.1	49	19	3.1	0
16/06/2023 17:10	1.8	47	16	2.2	0
16/06/2023 17:20	1.5	42	20	2.4	0
16/06/2023 17:30	1.5	37	18	2.2	0
16/06/2023 17:40	1.5	32	19	2.3	0
16/06/2023 17:50	1.4	25	20	2	0
16/06/2023 18:00	1.5	18	22	2.8	0
16/06/2023 18:10	1.1	41	32	2	0
16/06/2023 18:20	1.4	34	26	2.4	0
16/06/2023 18:30	1.6	36	26	2.6	0
16/06/2023 18:40	1.2	39	22	2	0
16/06/2023 18:50	0.6	58	18	1	0
16/06/2023 19:00	1.1	38	14	1.6	0
16/06/2023 19:10	1.1	34	23	1.9	0
16/06/2023 19:20	1.2	33	24	2	0
16/06/2023 19:30	0.4	63	13	0.9	0
16/06/2023 19:40	0.5	43	16	1	0
16/06/2023 19:50	0.9	38	23	1.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/06/2023 20:00	0.5	131	25	1.1	0
16/06/2023 20:10	0.6	287	29	1.1	0
16/06/2023 20:20	0.9	42	22	1.3	0
16/06/2023 20:30	0.9	51	18	1.4	0
16/06/2023 20:40	0.8	67	16	1.2	0
16/06/2023 20:50	0.8	46	29	1.4	0
16/06/2023 21:00	1	195	30	1.9	0
16/06/2023 21:10	0.7	43	27	1.6	0
16/06/2023 21:20	0.3	115	28	0.8	0
16/06/2023 21:30	1.4	355	27	2.1	0
16/06/2023 21:40	0.8	74	34	1.2	0
16/06/2023 21:50	0.1	58	15	0.6	0
16/06/2023 22:00	0.2	228	17	0.8	0
16/06/2023 22:10	0.2	267	32	0.9	0
16/06/2023 22:20	0.3	209	14	0.8	0
16/06/2023 22:30	0.2	304	17	0.6	0
16/06/2023 22:40	0.6	223	12	1.1	0
16/06/2023 22:50	0.9	244	9	1.4	0
16/06/2023 23:00	0.1	282	1	0.4	0
16/06/2023 23:10	0.3	294	7	0.6	0
16/06/2023 23:20	0.8	315	10	1.2	0
16/06/2023 23:30	0.7	285	12	1.1	0
16/06/2023 23:40	0.7	285	13	1.1	0
16/06/2023 23:50	1.2	253	14	1.7	0
17/06/2023 00:00	1.5	256	14	2	0
17/06/2023 00:10	1.4	261	14	1.8	0
17/06/2023 00:20	1.4	264	13	2	0
17/06/2023 00:30	0.9	302	18	1.3	0
17/06/2023 00:40	0.6	261	17	1.2	0
17/06/2023 00:50	0.2	179	20	0.7	0
17/06/2023 01:00	0.6	248	20	1.1	0
17/06/2023 01:10	0	189	1	0.4	0
17/06/2023 01:20	0.1	266	1	0.6	0
17/06/2023 01:30	0.2	184	3	0.6	0
17/06/2023 01:40	0.6	242	8	1.2	0
17/06/2023 01:50	1.4	258	14	1.7	0
17/06/2023 02:00	1.2	264	16	1.6	0
17/06/2023 02:10	1.4	278	16	1.9	0
17/06/2023 02:20	1.4	288	18	2.1	0
17/06/2023 02:30	1.1	293	19	1.8	0
17/06/2023 02:40	1.5	267	17	2.5	0
17/06/2023 02:50	1.6	269	18	2.3	0
17/06/2023 03:00	1.7	272	17	2.4	0
17/06/2023 03:10	1.8	271	18	2.2	0
17/06/2023 03:20	1.7	270	16	2.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/06/2023 03:30	1.1	299	23	1.7	0
17/06/2023 03:40	1.1	286	22	1.7	0
17/06/2023 03:50	1.6	266	14	2.4	0
17/06/2023 04:00	1.3	285	17	1.8	0
17/06/2023 04:10	1.5	262	19	2.3	0
17/06/2023 04:20	1.6	242	16	2.4	0
17/06/2023 04:30	1.7	258	18	2.6	0
17/06/2023 04:40	1.7	263	18	3	0
17/06/2023 04:50	1.7	266	15	2.3	0
17/06/2023 05:00	1.9	257	18	3.3	0
17/06/2023 05:10	2	234	24	3.2	0
17/06/2023 05:20	1.6	241	32	3.2	0
17/06/2023 05:30	1.6	229	26	2.8	0
17/06/2023 05:40	1.7	225	33	3.2	0
17/06/2023 05:50	1.5	227	25	2.5	0
17/06/2023 06:00	1.2	201	33	2	0
17/06/2023 06:10	0.3	185	26	1.1	0
17/06/2023 06:20	0.4	185	32	0.8	0
17/06/2023 06:30	0.6	20	15	1	0
17/06/2023 06:40	1.2	66	29	1.9	0
17/06/2023 06:50	0.8	180	24	1.8	0
17/06/2023 07:00	0.3	155	13	0.8	0
17/06/2023 07:10	0.2	163	17	1.1	0
17/06/2023 07:20	0.8	161	22	1.4	0
17/06/2023 07:30	0.5	170	19	1	0
17/06/2023 07:40	0.1	107	6	0.5	0
17/06/2023 07:50	0.6	140	21	1.2	0
17/06/2023 08:00	0.4	126	45	1.6	0
17/06/2023 08:10	0.4	85	24	1	0
17/06/2023 08:20	0.6	153	23	1.4	0
17/06/2023 08:30	1.1	86	24	1.9	0
17/06/2023 08:40	1.1	89	18	1.9	0
17/06/2023 08:50	0.9	75	28	1.6	0
17/06/2023 09:00	1	66	23	1.6	0
17/06/2023 09:10	1.9	52	21	3.2	0
17/06/2023 09:20	1.2	73	27	2.1	0
17/06/2023 09:30	0.9	121	30	1.7	0
17/06/2023 09:40	1	151	28	1.7	0
17/06/2023 09:50	0.9	141	29	1.6	0
17/06/2023 10:00	0.8	142	27	1.6	0
17/06/2023 10:10	0.9	144	28	1.3	0
17/06/2023 10:20	0.6	79	39	1.3	0
17/06/2023 10:30	0.9	98	44	1.9	0
17/06/2023 10:40	1.2	163	37	2.1	0
17/06/2023 10:50	1.3	171	24	2.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/06/2023 11:00	1.7	158	29	3.3	0
17/06/2023 11:10	1.6	148	32	2.8	0
17/06/2023 11:20	1.7	155	28	2.7	0
17/06/2023 11:30	1.4	143	31	2.3	0
17/06/2023 11:40	1.4	115	26	1.9	0
17/06/2023 11:50	1.1	117	39	1.7	0
17/06/2023 12:00	1	118	29	1.8	0
17/06/2023 12:10	0.8	117	33	1.5	0
17/06/2023 12:20	1.1	89	28	1.8	0
17/06/2023 12:30	1.1	89	20	1.9	0
17/06/2023 12:40	1.1	95	24	2	0
17/06/2023 12:50	1.2	140	28	2.1	0
17/06/2023 13:00	1	138	28	1.4	0
17/06/2023 13:10	1	116	30	2	0
17/06/2023 13:20	0.9	131	36	1.6	0
17/06/2023 13:30	1.1	125	25	1.9	0
17/06/2023 13:40	0.7	131	27	1.2	0
17/06/2023 13:50	0.4	105	25	0.8	0
17/06/2023 14:00	0.1	110	5	0.5	0
17/06/2023 14:10	0	139	2	0.5	0
17/06/2023 14:20	0.1	163	2	0.4	0
17/06/2023 14:30	0.2	232	10	0.6	0
17/06/2023 14:40					0.1
17/06/2023 14:50	0.2	23	13	0.8	0
17/06/2023 15:00	0.1	185	5	0.6	0.1
17/06/2023 15:10	0.2	173	6	0.6	0
17/06/2023 15:20	0.4	33	14	0.8	0
17/06/2023 15:30	0.1	29	16	0.7	0
17/06/2023 15:40	0.1	53	19	0.7	0
17/06/2023 15:50	0.3	127	17	0.7	0
17/06/2023 16:00	0.4	168	20	0.8	0
17/06/2023 16:10	0.4	141	21	1	0
17/06/2023 16:20	0.2	72	11	0.8	0
17/06/2023 16:30	0.4	96	30	0.8	0
17/06/2023 16:40	0	183	2	0.4	0
17/06/2023 16:50	0.6	17	12	1	0
17/06/2023 17:00	0.2	11	14	0.9	0
17/06/2023 17:10					0
17/06/2023 17:20	0.1	37	7	0.6	0
17/06/2023 17:30	0	17	4	0.5	0
17/06/2023 17:40	0.4	31	11	0.9	0
17/06/2023 17:50	0.6	32	15	1	0
17/06/2023 18:00	0.7	43	16	1.2	0
17/06/2023 18:10	0.7	31	22	1.1	0
17/06/2023 18:20	0.3	37	15	0.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/06/2023 18:30	0.3	135	16	0.8	0
17/06/2023 18:40	0.4	209	15	0.9	0
17/06/2023 18:50	0.1	222	9	0.6	0
17/06/2023 19:00	0	270	7	0.4	0.1
17/06/2023 19:10	0.6	35	20	1	0
17/06/2023 19:20	0.7	32	24	1.5	0.1
17/06/2023 19:30	0.4	125	14	1	0
17/06/2023 19:40	1.4	242	12	2	0
17/06/2023 19:50	1.2	208	15	2	0
17/06/2023 20:00	1	170	28	1.6	0
17/06/2023 20:10	1.5	175	25	3.2	0
17/06/2023 20:20	1.1	164	39	2.1	0
17/06/2023 20:30	0.9	141	30	1.8	0
17/06/2023 20:40	1	110	31	1.7	0
17/06/2023 20:50	0.9	140	28	1.9	0
17/06/2023 21:00	0.7	174	24	1.5	0
17/06/2023 21:10	1.5	162	24	2.6	0
17/06/2023 21:20	1.4	143	28	2.6	0
17/06/2023 21:30	1.4	151	28	2.6	0
17/06/2023 21:40	1.6	143	29	2.8	0
17/06/2023 21:50	1.4	136	31	2.5	0
17/06/2023 22:00	1.3	134	31	2.4	0
17/06/2023 22:10	1.1	129	30	1.8	0
17/06/2023 22:20	1.3	132	23	2.6	0
17/06/2023 22:30	1.1	139	32	2	0
17/06/2023 22:40	1.2	119	30	1.9	0
17/06/2023 22:50	1.6	119	32	2.8	0
17/06/2023 23:00	1.2	126	34	2.3	0
17/06/2023 23:10	1.2	140	33	2	0
17/06/2023 23:20	1.1	143	25	2.1	0
17/06/2023 23:30	1.2	142	25	2.2	0
17/06/2023 23:40	1.2	143	32	1.8	0
17/06/2023 23:50	1.1	155	31	1.8	0
18/06/2023 00:00	0.9	158	28	1.6	0
18/06/2023 00:10	0.5	147	25	1.2	0
18/06/2023 00:20	0.5	137	23	1	0
18/06/2023 00:30	0.2	113	9	0.6	0
18/06/2023 00:40	0.4	97	15	1.1	0
18/06/2023 00:50	0.7	117	24	1.4	0
18/06/2023 01:00	0.9	120	27	1.6	0
18/06/2023 01:10	1.2	125	29	2.1	0
18/06/2023 01:20	1	119	33	1.8	0
18/06/2023 01:30	1.1	133	28	2	0
18/06/2023 01:40	1.2	134	28	2.2	0
18/06/2023 01:50	1	132	33	1.6	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/06/2023 02:00	1.1	103	25	2.1	0
18/06/2023 02:10	0.8	130	26	1.3	0
18/06/2023 02:20	0.7	103	30	1.3	0
18/06/2023 02:30	0.8	106	31	1.6	0
18/06/2023 02:40	1.1	135	28	2	0
18/06/2023 02:50	0.9	109	30	1.6	0
18/06/2023 03:00	0.8	122	31	1.3	0
18/06/2023 03:10	0.8	107	39	1.5	0
18/06/2023 03:20	0.9	135	24	1.6	0
18/06/2023 03:30	0.9	68	27	1.9	0
18/06/2023 03:40	1	98	36	2	0
18/06/2023 03:50	1	119	48	1.9	0
18/06/2023 04:00	1.2	104	30	2.1	0
18/06/2023 04:10	1.3	91	26	1.9	0
18/06/2023 04:20	1.2	103	30	2	0
18/06/2023 04:30	0.9	115	38	1.7	0
18/06/2023 04:40	0.6	129	27	1.2	0
18/06/2023 04:50	0.8	98	30	1.3	0
18/06/2023 05:00	1.1	95	30	2	0
18/06/2023 05:10	1.2	110	35	1.9	0
18/06/2023 05:20	1	107	28	1.6	0
18/06/2023 05:30	1.2	99	35	2.2	0
18/06/2023 05:40	1.3	102	36	2.3	0
18/06/2023 05:50	1.5	102	30	2.5	0
18/06/2023 06:00	1.3	130	28	2.5	0
18/06/2023 06:10	1.1	114	29	1.7	0
18/06/2023 06:20	1.1	113	28	1.6	0
18/06/2023 06:30	0.8	99	33	1.5	0
18/06/2023 06:40	0.6	112	27	1.2	0
18/06/2023 06:50	0.9	83	22	1.3	0
18/06/2023 07:00	1	91	21	1.6	0
18/06/2023 07:10	1.1	76	15	1.8	0
18/06/2023 07:20	1	79	17	1.6	0
18/06/2023 07:30	1.1	84	17	1.5	0
18/06/2023 07:40	1.4	81	21	2.3	0
18/06/2023 07:50	1.2	92	24	2	0
18/06/2023 08:00	1.1	101	29	2	0
18/06/2023 08:10	1	92	26	1.6	0
18/06/2023 08:20	1.5	93	32	2.2	0
18/06/2023 08:30	1.2	95	27	2	0
18/06/2023 08:40	1.2	107	28	1.8	0
18/06/2023 08:50	1.2	124	32	2	0
18/06/2023 09:00	1	138	27	1.9	0
18/06/2023 09:10	1.1	144	28	1.7	0
18/06/2023 09:20	0.7	122	26	1.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/06/2023 09:30	1.3	126	27	2.3	0
18/06/2023 09:40	1.2	128	26	2.1	0
18/06/2023 09:50	1	119	31	1.9	0
18/06/2023 10:00	1.4	134	29	2.4	0
18/06/2023 10:10	1.2	142	27	2.1	0
18/06/2023 10:20	1.2	122	29	2	0
18/06/2023 10:30	1.2	139	27	2	0
18/06/2023 10:40	1.2	148	26	1.8	0
18/06/2023 10:50	1.3	137	27	2.4	0
18/06/2023 11:00	1.1	128	26	2.2	0
18/06/2023 11:10	0.9	147	32	1.6	0
18/06/2023 11:20	1.1	138	25	1.7	0
18/06/2023 11:30	1.1	149	44	2	0
18/06/2023 11:40	1.2	139	32	2.4	0
18/06/2023 11:50	1.3	123	35	2.2	0
18/06/2023 12:00	1.5	133	39	2.5	0
18/06/2023 12:10	1.4	133	36	2.5	0
18/06/2023 12:20	1.2	129	31	2.3	0
18/06/2023 12:30	1.3	128	30	2.3	0
18/06/2023 12:40	0.9	138	28	1.8	0
18/06/2023 12:50	0.9	145	28	1.5	0
18/06/2023 13:00	1	145	27	1.8	0
18/06/2023 13:10	1	143	34	1.6	0
18/06/2023 13:20	1.2	168	22	2	0
18/06/2023 13:30	0.9	142	28	1.6	0
18/06/2023 13:40	1.2	117	25	1.8	0
18/06/2023 13:50	1.1	72	19	1.6	0
18/06/2023 14:00	1.2	76	14	2	0
18/06/2023 14:10	1.2	93	27	1.9	0
18/06/2023 14:20	1.6	84	25	2.6	0
18/06/2023 14:30	1.8	50	18	2.8	0
18/06/2023 14:40	1.3	71	26	2	0
18/06/2023 14:50	1	116	34	2	0
18/06/2023 15:00	1	106	28	1.7	0
18/06/2023 15:10	1.1	109	24	1.8	0
18/06/2023 15:20	1.3	73	26	1.9	0
18/06/2023 15:30	1.3	126	23	2.1	0
18/06/2023 15:40	1.1	134	31	2	0
18/06/2023 15:50	0.9	137	26	1.7	0
18/06/2023 16:00	1	131	33	1.5	0
18/06/2023 16:10	1.3	99	29	2.1	0
18/06/2023 16:20	1.3	100	26	1.9	0
18/06/2023 16:30	1.1	101	28	2	0
18/06/2023 16:40	0.8	99	29	1.6	0
18/06/2023 16:50	0.6	167	22	1.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/06/2023 17:00	0.7	164	14	1	0
18/06/2023 17:10	1.1	145	21	1.7	0
18/06/2023 17:20	1.7	156	32	3	0
18/06/2023 17:30	1.5	146	29	2.4	0
18/06/2023 17:40	2.2	163	30	3.8	0
18/06/2023 17:50	2.5	156	28	4.1	0
18/06/2023 18:00	2.1	149	28	3.6	0
18/06/2023 18:10	2.2	161	31	3.5	0
18/06/2023 18:20	2.2	151	31	3.6	0
18/06/2023 18:30	1.8	142	29	3.3	0
18/06/2023 18:40	1.7	149	28	3.1	0
18/06/2023 18:50	1.7	145	29	3.1	0
18/06/2023 19:00	1.7	144	26	3.2	0
18/06/2023 19:10	1.4	151	28	2.6	0
18/06/2023 19:20	1.1	131	36	2.3	0
18/06/2023 19:30	1.4	134	36	2.5	0
18/06/2023 19:40	1.1	127	25	1.8	0
18/06/2023 19:50	1.2	146	32	2.1	0
18/06/2023 20:00	1.4	135	32	2.5	0
18/06/2023 20:10	1.4	129	28	2.6	0
18/06/2023 20:20	1.4	142	24	2.6	0
18/06/2023 20:30	1.6	131	32	2.8	0
18/06/2023 20:40	1.2	122	34	2.3	0
18/06/2023 20:50	1.5	122	27	2.6	0
18/06/2023 21:00	1.4	136	27	2.2	0
18/06/2023 21:10	1.3	151	27	2.1	0
18/06/2023 21:20	1.9	155	24	3.2	0
18/06/2023 21:30	1.6	152	27	3.1	0
18/06/2023 21:40	2.2	171	22	4	0
18/06/2023 21:50	1.7	153	26	3	0
18/06/2023 22:00	1.9	193	32	3.2	0
18/06/2023 22:10	1.9	156	29	3.5	0
18/06/2023 22:20	1.4	151	32	2.7	0
18/06/2023 22:30	1.6	162	25	2.9	0
18/06/2023 22:40	1.4	137	40	2.9	0
18/06/2023 22:50	1.7	132	35	3.1	0
18/06/2023 23:00	1.8	143	29	3.3	0
18/06/2023 23:10	1.7	133	30	2.9	0
18/06/2023 23:20	1.7	132	25	2.7	0
18/06/2023 23:30	1.3	136	36	2.6	0
18/06/2023 23:40	1.5	135	30	2.7	0
18/06/2023 23:50	0.9	126	37	1.7	0
19/06/2023 00:00	0.8	137	23	1.7	0
19/06/2023 00:10	1.2	141	41	2.4	0
19/06/2023 00:20	1.2	117	33	2	0.1



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/06/2023 00:30	1.2	112	42	2	0
19/06/2023 00:40	0.8	116	52	1.3	0
19/06/2023 00:50	1	131	38	2.1	0
19/06/2023 01:00	1.3	133	46	2.5	0.1
19/06/2023 01:10	1.1	141	41	2.4	0
19/06/2023 01:20	1	149	36	2	0
19/06/2023 01:30	1.3	146	35	2.4	0
19/06/2023 01:40	1.4	162	24	2.4	0.1
19/06/2023 01:50	1.3	155	28	2.1	0
19/06/2023 02:00	1.1	153	33	2.3	0
19/06/2023 02:10	1.2	165	28	2.3	0
19/06/2023 02:20	1.1	173	35	2	0
19/06/2023 02:30	0.9	176	46	1.6	0
19/06/2023 02:40	0.8	166	30	1.8	0
19/06/2023 02:50	1.1	157	32	1.9	0
19/06/2023 03:00	0.9	182	30	1.7	0.1
19/06/2023 03:10	0.8	124	32	1.7	0
19/06/2023 03:20	1.3	122	33	2.4	0
19/06/2023 03:30	2.2	110	36	3.5	0
19/06/2023 03:40	1.9	128	33	3.1	0
19/06/2023 03:50	1.9	110	36	3.2	0
19/06/2023 04:00	2.1	113	32	4	0
19/06/2023 04:10	2.3	121	27	3.6	0
19/06/2023 04:20	2	122	35	3.9	0
19/06/2023 04:30	2	128	29	3.5	0
19/06/2023 04:40	2	116	27	3.2	0
19/06/2023 04:50	2.3	121	30	4	0
19/06/2023 05:00	2.2	127	28	4	0
19/06/2023 05:10	2.5	120	37	3.9	0
19/06/2023 05:20	2.3	119	26	3.7	0
19/06/2023 05:30	2	141	26	3.6	0
19/06/2023 05:40	1.8	147	28	3	0
19/06/2023 05:50	1.7	142	28	3.1	0
19/06/2023 06:00	1.6	146	33	2.6	0.1
19/06/2023 06:10	1.6	138	32	2.8	0
19/06/2023 06:20	1.8	130	30	3.3	0
19/06/2023 06:30	1.5	126	28	3.1	0
19/06/2023 06:40	1.5	136	27	2.8	0
19/06/2023 06:50	1.5	133	28	2.4	0
19/06/2023 07:00	1.5	117	28	2.8	0
19/06/2023 07:10	1.6	135	27	2.6	0
19/06/2023 07:20	1.6	129	29	3.2	0
19/06/2023 07:30	1.5	130	27	2.6	0
19/06/2023 07:40	1.2	136	30	2.1	0.1
19/06/2023 07:50	1.3	129	25	2.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/06/2023 08:00	1.4	123	26	2.5	0
19/06/2023 08:10	1.9	128	31	3.6	0
19/06/2023 08:20	2.3	119	29	3.9	0
19/06/2023 08:30	2.3	117	27	4	0
19/06/2023 08:40	2.3	120	32	3.9	0
19/06/2023 08:50	2.2	129	29	3.4	0
19/06/2023 09:00	2.1	117	32	3.6	0.1
19/06/2023 09:10	2.1	121	33	3.3	0
19/06/2023 09:20	2	128	32	3.6	0
19/06/2023 09:30	2.2	121	36	3.7	0
19/06/2023 09:40	2.1	131	29	3.9	0
19/06/2023 09:50	2.2	116	30	3.7	0
19/06/2023 10:00	2	111	29	3.9	0
19/06/2023 10:10	2	116	32	4.3	0
19/06/2023 10:20	1.9	126	28	3.4	0
19/06/2023 10:30	2.2	123	27	3.7	0
19/06/2023 10:40	2.3	131	33	4	0
19/06/2023 10:50	2.4	112	34	4.5	0
19/06/2023 11:00	2.5	106	31	4	0
19/06/2023 11:10	2.7	125	33	4.5	0
19/06/2023 11:20	2.5	109	33	4.8	0
19/06/2023 11:30	2.5	108	31	4.1	0
19/06/2023 11:40	2.8	100	29	4.7	0
19/06/2023 11:50	2.9	104	29	4.8	0
19/06/2023 12:00	2.7	107	33	4.4	0
19/06/2023 12:10	2.3	116	30	4.2	0
19/06/2023 12:20	2.3	99	33	3.7	0
19/06/2023 12:30	2.5	96	26	4.5	0
19/06/2023 12:40	2.8	96	35	5	0
19/06/2023 12:50	2.5	102	33	4.2	0
19/06/2023 13:00	2	110	31	3.2	0
19/06/2023 13:10	2.2	116	30	3.3	0
19/06/2023 13:20	2.1	115	31	3.3	0
19/06/2023 13:30	1.9	101	37	3.2	0
19/06/2023 13:40	1.9	104	30	3.3	0
19/06/2023 13:50	2.3	92	23	3.6	0
19/06/2023 14:00	2.1	79	21	3.6	0
19/06/2023 14:10	2	103	28	3.6	0
19/06/2023 14:20	2.4	101	34	4.4	0
19/06/2023 14:30	2.3	100	31	3.8	0
19/06/2023 14:40	2.6	97	26	4	0
19/06/2023 14:50	2.6	92	27	4	0
19/06/2023 15:00	2.8	85	26	4.9	0
19/06/2023 15:10	2.6	84	26	4	0
19/06/2023 15:20	2.7	86	26	4.6	0



Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/06/2023 15:30	2.7	81	21	4.9	0
19/06/2023 15:40	2.4	82	22	4	0
19/06/2023 15:50	2.6	82	25	4.4	0
19/06/2023 16:00	2.7	87	27	4.5	0
19/06/2023 16:10	3.3	89	21	5	0
19/06/2023 16:20	2.9	88	24	5	0
19/06/2023 16:30	2.7	90	22	4.4	0
19/06/2023 16:40	2.1	88	25	3.8	0
19/06/2023 16:50	2.7	89	24	4.5	0
19/06/2023 17:00	2.6	86	21	4.4	0
19/06/2023 17:10	2.4	88	22	4.1	0
19/06/2023 17:20	2.4	88	27	3.7	0
19/06/2023 17:30	2.3	92	25	3.6	0
19/06/2023 17:40	1.8	98	26	3.2	0
19/06/2023 17:50	1.9	93	23	3.3	0
19/06/2023 18:00	2	90	25	3.2	0
19/06/2023 18:10	1.8	92	31	3.2	0
19/06/2023 18:20	1.3	104	32	2.1	0
19/06/2023 18:30	1.3	107	36	2.5	0
19/06/2023 18:40	1.5	101	32	2.8	0
19/06/2023 18:50	1.6	113	36	2.9	0
19/06/2023 19:00	1.9	106	31	3.4	0
19/06/2023 19:10	1.5	99	36	2.6	0
19/06/2023 19:20	1.8	103	34	3.3	0
19/06/2023 19:30	1.7	104	30	2.8	0
19/06/2023 19:40	1.4	106	29	2.4	0
19/06/2023 19:50	0.8	104	30	1.8	0
19/06/2023 20:00	1.4	92	25	2.4	0
19/06/2023 20:10	1.1	99	38	1.9	0
19/06/2023 20:20	0.9	98	30	1.9	0
19/06/2023 20:30	1	91	34	2.1	0.1
19/06/2023 20:40	1.7	92	25	2.8	0
19/06/2023 20:50	1.5	95	32	2.5	0
19/06/2023 21:00	1.4	100	34	2.4	0.1
19/06/2023 21:10	1.6	95	28	2.9	0
19/06/2023 21:20	2.1	83	24	3.6	0
19/06/2023 21:30	2.5	80	23	4.1	0
19/06/2023 21:40	2.2	85	23	3.8	0
19/06/2023 21:50	2.3	88	25	4.1	0.2
19/06/2023 22:00	2.6	87	25	4.2	0
19/06/2023 22:10	2.6	88	25	3.9	0.1
19/06/2023 22:20	2.4	89	25	4.4	0.1
19/06/2023 22:30	2.7	82	20	4.4	0.1
19/06/2023 22:40	2.4	90	22	4.3	0.1
19/06/2023 22:50	3.3	84	23	5.5	0.1



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/06/2023 23:00	2.7	86	23	4.8	0
19/06/2023 23:10	2.6	88	26	4	0
19/06/2023 23:20	2	93	26	3.7	0.1
19/06/2023 23:30	2.4	92	30	4.1	0
19/06/2023 23:40	2.1	104	34	4.3	0.1
19/06/2023 23:50	2	108	35	3.5	0
20/06/2023 00:00	2.2	110	31	3.6	0
20/06/2023 00:10	2.1	120	33	3.2	0
20/06/2023 00:20	1.8	109	34	3.4	0.1
20/06/2023 00:30	2.3	123	32	3.8	0.1
20/06/2023 00:40	1.9	122	31	3.1	0.5
20/06/2023 00:50	1.7	101	29	2.9	0.3
20/06/2023 01:00	1.8	122	35	2.9	0.4
20/06/2023 01:10	1.5	127	29	2.4	0.4
20/06/2023 01:20	1.9	108	30	3.5	0.2
20/06/2023 01:30	2.1	106	33	4	0.2
20/06/2023 01:40	2.5	123	34	4.5	0.2
20/06/2023 01:50	2.6	120	28	4.5	0.4
20/06/2023 02:00	2.5	144	25	4.8	0.3
20/06/2023 02:10	2.3	139	28	4.5	0
20/06/2023 02:20	2.2	144	32	4	1.4
20/06/2023 02:30	2.5	138	28	4.3	0.3
20/06/2023 02:40	2.2	147	31	4	0.4
20/06/2023 02:50	2.4	141	34	4.4	0.2
20/06/2023 03:00	2.7	157	27	4	0.3
20/06/2023 03:10	2.8	149	26	4.8	0.4
20/06/2023 03:20	2.2	154	28	4.3	0.5
20/06/2023 03:30	2.5	153	26	4.4	0.8
20/06/2023 03:40	2.1	154	32	4	0.5
20/06/2023 03:50	1.9	153	33	3.4	0.7
20/06/2023 04:00	1.5	150	33	3.2	0.5
20/06/2023 04:10	1.8	140	32	3.4	0.8
20/06/2023 04:20	1.3	185	39	2.9	0.4
20/06/2023 04:30	1.4	192	26	3	1.3
20/06/2023 04:40	1.8	238	29	2.9	1
20/06/2023 04:50	2	238	43	2.9	1.9
20/06/2023 05:00	1.8	38	17	2.8	2.8
20/06/2023 05:10	1.9	30	19	3	0.8
20/06/2023 05:20	1.9	46	17	2.9	0.3
20/06/2023 05:30	1.4	70	27	2.7	0.1
20/06/2023 05:40	1.7	71	22	3	0.1
20/06/2023 05:50	1.7	77	22	3.1	0
20/06/2023 06:00	1.7	86	22	3.2	0.2
20/06/2023 06:10	2.2	85	24	3.7	0.2
20/06/2023 06:20	1.6	84	29	2.8	0.2



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/06/2023 06:30	1.9	89	25	3.3	0.2
20/06/2023 06:40	2	87	23	3.7	0.2
20/06/2023 06:50	2	85	24	3.6	0.2
20/06/2023 07:00	2.1	93	26	4	0.2
20/06/2023 07:10	1.9	91	27	3.2	0.1
20/06/2023 07:20	2.2	99	27	3.8	0.1
20/06/2023 07:30	1.8	96	37	2.8	0
20/06/2023 07:40	2	104	29	4	0
20/06/2023 07:50	2.1	100	32	3.7	0
20/06/2023 08:00	1.9	115	42	3.3	0
20/06/2023 08:10	1.6	111	34	2.8	0
20/06/2023 08:20	1.6	140	25	2.9	0
20/06/2023 08:30	1.5	131	31	2.8	0
20/06/2023 08:40	1.6	136	30	2.6	0
20/06/2023 08:50	1.8	148	28	2.8	0.1
20/06/2023 09:00	1.3	150	27	2	0.1
20/06/2023 09:10	1.5	141	25	2.5	0.1
20/06/2023 09:20	1.6	132	33	3	0
20/06/2023 09:30	1.5	121	29	2.4	0
20/06/2023 09:40	2	124	26	3.3	0
20/06/2023 09:50	1.8	133	31	3.3	0
20/06/2023 10:00	1.8	133	30	3.4	0
20/06/2023 10:10	1.9	126	35	3	0
20/06/2023 10:20	1.9	127	29	3	0
20/06/2023 10:30	1.8	118	32	3.3	0
20/06/2023 10:40	2.1	124	31	3.7	0
20/06/2023 10:50	1.9	129	32	3.3	0
20/06/2023 11:00	1.8	131	29	3.2	0
20/06/2023 11:10	1.9	119	24	3.3	0
20/06/2023 11:20	1.9	121	40	3.5	0
20/06/2023 11:30	1.9	128	30	3.1	0
20/06/2023 11:40	1.8	117	36	3	0
20/06/2023 11:50	1.7	102	30	2.8	0
20/06/2023 12:00	1.8	113	30	3.2	0
20/06/2023 12:10	1.7	115	31	3.2	0
20/06/2023 12:20	1.7	122	30	2.9	0
20/06/2023 12:30	1.6	105	31	2.8	0
20/06/2023 12:40	1.8	114	31	3	0
20/06/2023 12:50	1.6	109	28	2.8	0
20/06/2023 13:00	1.8	115	26	3.2	0
20/06/2023 13:10	1.7	117	32	3.2	0
20/06/2023 13:20	1.7	124	30	2.8	0
20/06/2023 13:30	1.5	112	34	3.2	0
20/06/2023 13:40	1.7	140	25	2.9	0
20/06/2023 13:50	1.4	131	35	2.5	0





Yara Pilbara Nitrates- Water Tanks  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/06/2023 14:00	1.4	141	31	2.4	0
20/06/2023 14:10	1.3	137	30	2.2	0
20/06/2023 14:20	1.2	144	25	2.1	0
20/06/2023 14:30	1	134	31	1.9	0
20/06/2023 14:40	1	111	26	1.8	0
20/06/2023 14:50	1	124	33	2	0
20/06/2023 15:00	0.8	132	24	1.6	0
20/06/2023 15:10	0.9	135	28	1.4	0
20/06/2023 15:20	0.7	93	25	1.3	0
20/06/2023 15:30	0.8	95	25	1.4	0
20/06/2023 15:40	0.8	120	24	1.5	0
20/06/2023 15:50	0.9	126	27	1.8	0
20/06/2023 16:00	0.8	126	29	1.5	0
20/06/2023 16:10	0.8	76	23	1.6	0
20/06/2023 16:20	0.9	59	22	1.6	0
20/06/2023 16:30	1	57	23	1.7	0
20/06/2023 16:40	0.9	62	21	1.6	0
20/06/2023 16:50	0.9	49	20	1.5	0
20/06/2023 17:00	1.2	40	19	2	0
20/06/2023 17:10	0.8	45	19	1.5	0
20/06/2023 17:20	1.4	44	16	2.1	0
20/06/2023 17:30	1.3	47	15	2	0
20/06/2023 17:40	1.2	42	19	2.2	0
20/06/2023 17:50	1.4	36	19	2.2	0
20/06/2023 18:00	1.5	33	19	2.3	0
20/06/2023 18:10	1.6	29	20	2.4	0
20/06/2023 18:20	1.4	30	20	2.4	0
20/06/2023 18:30	1.2	28	18	2	0
20/06/2023 18:40	1.1	19	18	1.6	0
20/06/2023 18:50	1	12	17	1.4	0
20/06/2023 19:00	0.7	6	15	1.2	0
20/06/2023 19:10	0.4	181	12	1	0
20/06/2023 19:20	0.5	181	16	0.9	0
20/06/2023 19:30	0.6	358	17	1.1	0
20/06/2023 19:40	0.5	181	21	1	0
20/06/2023 19:50	0.4	178	19	0.8	0
20/06/2023 20:00	0.1	351	8	0.6	0
20/06/2023 20:10	0.2	354	10	0.8	0
20/06/2023 20:20	0.4	13	12	1.1	0
20/06/2023 20:30	0	31	4	0.4	0
20/06/2023 20:40	0	351	0	0.4	0
20/06/2023 20:50					0
20/06/2023 21:00					0
20/06/2023 21:10	0.1	329	4	0.6	0
20/06/2023 21:20	0.2	334	6	0.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/06/2023 21:30	0.3	309	10	0.9	0
20/06/2023 21:40	0.1	254	4	0.6	0
20/06/2023 21:50					0
20/06/2023 22:00	0.1	345	4	0.5	0
20/06/2023 22:10	0.2	288	5	0.8	0
20/06/2023 22:20	1.3	263	14	2	0
20/06/2023 22:30	1.4	270	17	2	0
20/06/2023 22:40	1.4	269	17	2	0
20/06/2023 22:50	1	251	16	1.9	0
20/06/2023 23:00	0.8	267	13	1.4	0
20/06/2023 23:10	1	278	20	1.5	0
20/06/2023 23:20	1.1	266	15	1.6	0
20/06/2023 23:30	1.2	271	16	1.8	0
20/06/2023 23:40	1	284	19	1.4	0
20/06/2023 23:50	0.9	289	21	1.5	0
21/06/2023 00:00	1.1	276	17	1.7	0
21/06/2023 00:10	1.1	279	18	1.7	0
21/06/2023 00:20	1.1	294	19	2	0
21/06/2023 00:30	1	275	20	1.5	0
21/06/2023 00:40	0.4	260	11	1	0
21/06/2023 00:50	0.8	284	15	1.7	0
21/06/2023 01:00	1.4	276	19	2.1	0
21/06/2023 01:10	1.5	275	18	2.3	0
21/06/2023 01:20	1.1	284	21	1.9	0
21/06/2023 01:30	0.8	305	18	1.2	0
21/06/2023 01:40	0.7	298	15	1	0
21/06/2023 01:50	1	306	15	1.5	0
21/06/2023 02:00	1.3	310	11	1.9	0
21/06/2023 02:10	1.1	302	9	1.6	0
21/06/2023 02:20	0.9	308	9	1.4	0
21/06/2023 02:30					0
21/06/2023 02:40					0
21/06/2023 02:50	0	244	2	0.4	0
21/06/2023 03:00	0.9	243	11	1.2	0
21/06/2023 03:10	0.8	290	22	1.3	0
21/06/2023 03:20	1	284	17	1.5	0
21/06/2023 03:30	0.4	178	17	0.9	0
21/06/2023 03:40	1	313	10	1.2	0
21/06/2023 03:50	1	286	16	1.4	0
21/06/2023 04:00	1.1	280	18	1.6	0
21/06/2023 04:10	0.7	323	12	1.1	0
21/06/2023 04:20	0.1	311	6	0.4	0
21/06/2023 04:30	0	305	3	0.4	0
21/06/2023 04:40	0.4	338	4	0.7	0
21/06/2023 04:50	0.3	332	5	0.8	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/06/2023 05:00	0	334	0	0.4	0
21/06/2023 05:10					0
21/06/2023 05:20	0	342	0	0.4	0
21/06/2023 05:30	0.3	250	11	0.8	0
21/06/2023 05:40	0.3	290	7	0.7	0
21/06/2023 05:50	0.2	152	5	0.8	0
21/06/2023 06:00	0	13	1	0.4	0
21/06/2023 06:10	0.1	8	9	0.6	0
21/06/2023 06:20	0.2	51	8	0.8	0
21/06/2023 06:30	0	94	0	0.5	0
21/06/2023 06:40	0.3	203	10	1.4	0
21/06/2023 06:50	0.9	206	19	1.8	0
21/06/2023 07:00	0.2	168	17	1.2	0
21/06/2023 07:10	0.7	178	46	1.6	0
21/06/2023 07:20	0.7	139	31	1.8	0
21/06/2023 07:30	0.5	186	35	1.7	0
21/06/2023 07:40	0.8	183	35	1.6	0
21/06/2023 07:50	0.4	272	22	1.7	0
21/06/2023 08:00	0.6	136	48	1.5	0
21/06/2023 08:10	0.4	191	32	1.2	0
21/06/2023 08:20	0.8	180	33	2.2	0
21/06/2023 08:30	0.3	162	22	1	0
21/06/2023 08:40	0.6	153	28	1.3	0
21/06/2023 08:50	1	156	30	1.8	0
21/06/2023 09:00	1.4	148	33	2.2	0
21/06/2023 09:10	1.3	153	28	2.4	0
21/06/2023 09:20	1.7	162	27	2.9	0
21/06/2023 09:30	1.6	142	28	2.8	0
21/06/2023 09:40	1.6	139	33	2.7	0
21/06/2023 09:50	1.8	140	32	3.2	0
21/06/2023 10:00	1.9	147	32	3.2	0
21/06/2023 10:10	2	146	29	3.2	0
21/06/2023 10:20	2.1	139	31	3.6	0
21/06/2023 10:30	2.2	149	23	3.6	0
21/06/2023 10:40	2.2	140	24	3.6	0
21/06/2023 10:50	2.1	127	30	3.5	0
21/06/2023 11:00	1.7	141	29	2.8	0
21/06/2023 11:10	1.9	108	27	3.1	0
21/06/2023 11:20	2	124	27	3.3	0
21/06/2023 11:30	1.5	125	37	2.8	0
21/06/2023 11:40	1.7	112	35	2.8	0
21/06/2023 11:50	1.7	114	40	3	0
21/06/2023 12:00	1.9	97	25	3.2	0
21/06/2023 12:10	1.8	96	29	3.1	0
21/06/2023 12:20	1.9	95	28	2.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/06/2023 12:30	1.8	110	31	3.3	0
21/06/2023 12:40	1.6	131	32	2.6	0
21/06/2023 12:50	1.4	92	29	2.8	0
21/06/2023 13:00	1.5	108	36	2.4	0
21/06/2023 13:10	1.5	119	40	2.6	0
21/06/2023 13:20	1.3	131	37	2.2	0
21/06/2023 13:30	0.9	151	54	1.8	0
21/06/2023 13:40	1.3	132	40	2.7	0
21/06/2023 13:50	1.1	130	48	2.5	0
21/06/2023 14:00	2	227	67	4.1	0
21/06/2023 14:10	2.2	254	20	3.7	0
21/06/2023 14:20	2	235	33	3	0
21/06/2023 14:30	1.4	258	66	2.5	0
21/06/2023 14:40	1.7	310	34	3.2	0
21/06/2023 14:50	2.5	261	32	4	0
21/06/2023 15:00	3.7	241	17	5.5	0
21/06/2023 15:10	3.2	245	17	4.9	0
21/06/2023 15:20	3.3	240	16	5.1	0
21/06/2023 15:30	3.5	243	18	4.7	0
21/06/2023 15:40	3.4	251	16	5.1	0
21/06/2023 15:50	3.5	257	15	4.7	0
21/06/2023 16:00	3.4	264	16	4.5	0
21/06/2023 16:10	3.6	255	16	5.4	0
21/06/2023 16:20	3.4	246	16	4.8	0
21/06/2023 16:30	3.7	250	13	5	0
21/06/2023 16:40	3.6	248	17	5.5	0
21/06/2023 16:50	3.4	252	17	5.3	0
21/06/2023 17:00	4	253	14	5.3	0
21/06/2023 17:10	3.7	254	15	5.2	0
21/06/2023 17:20	3.6	254	15	5.2	0
21/06/2023 17:30	3.8	251	16	5.3	0
21/06/2023 17:40	3.5	251	17	5.2	0
21/06/2023 17:50	3.2	254	15	4.7	0
21/06/2023 18:00	2.5	257	18	3.9	0
21/06/2023 18:10	2.5	257	16	3.6	0
21/06/2023 18:20	2.2	258	17	3.8	0
21/06/2023 18:30	2.3	263	13	3.2	0
21/06/2023 18:40	2.1	266	16	3.4	0
21/06/2023 18:50	1.9	264	16	2.5	0
21/06/2023 19:00	1.8	269	15	2.5	0
21/06/2023 19:10	2	273	16	3	0
21/06/2023 19:20	1.9	269	15	2.8	0
21/06/2023 19:30	2.1	266	14	3.2	0
21/06/2023 19:40	1.5	265	13	2.2	0
21/06/2023 19:50	1.4	275	18	2.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/06/2023 20:00	1.5	278	18	2.3	0
21/06/2023 20:10	2	270	19	2.8	0
21/06/2023 20:20	2.7	255	19	4	0
21/06/2023 20:30	2.5	225	18	4.2	0
21/06/2023 20:40	2.8	231	18	4.3	0
21/06/2023 20:50	2.7	234	17	4.1	0
21/06/2023 21:00	2.8	233	21	4.2	0
21/06/2023 21:10	2.7	216	19	4.3	0
21/06/2023 21:20	2.5	210	15	3.8	0
21/06/2023 21:30	2.4	209	15	4	0
21/06/2023 21:40	2.5	192	17	4.3	0
21/06/2023 21:50	2.3	183	15	3.5	0
21/06/2023 22:00	2.4	179	17	3.7	0
21/06/2023 22:10	2.1	181	19	3.3	0
21/06/2023 22:20	2	184	20	3.2	0
21/06/2023 22:30	1.9	192	14	2.8	0
21/06/2023 22:40	1.6	189	17	2.5	0
21/06/2023 22:50	1.5	180	18	3.1	0
21/06/2023 23:00	1	175	26	1.8	0
21/06/2023 23:10	1.3	187	20	2.4	0
21/06/2023 23:20	1.2	155	27	2.1	0
21/06/2023 23:30	1.2	152	27	2.2	0
21/06/2023 23:40	1.1	144	22	2.4	0
21/06/2023 23:50	1.2	144	31	2.8	0
22/06/2023 00:00	0.9	139	29	1.8	0
22/06/2023 00:10	1	141	36	2.2	0
22/06/2023 00:20	1.2	150	30	2.1	0
22/06/2023 00:30	1.3	152	31	2.4	0
22/06/2023 00:40	1.3	151	32	2.6	0
22/06/2023 00:50	0.8	142	31	1.8	0
22/06/2023 01:00	0.5	141	27	1.3	0
22/06/2023 01:10	0.2	168	15	1	0
22/06/2023 01:20	0.1	65	7	0.7	0
22/06/2023 01:30	0.2	27	11	0.7	0
22/06/2023 01:40	0	34	2	0.5	0
22/06/2023 01:50	0	71	8	0.5	0
22/06/2023 02:00	0.1	184	27	0.8	0
22/06/2023 02:10	0	140	5	0.5	0
22/06/2023 02:20	0.2	51	19	0.8	0
22/06/2023 02:30	0.1	109	17	0.9	0
22/06/2023 02:40	0.2	69	20	1.2	0
22/06/2023 02:50	0.8	84	28	1.5	0
22/06/2023 03:00	1	105	33	1.7	0
22/06/2023 03:10	0.5	86	25	1.7	0
22/06/2023 03:20	0.8	102	33	2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/06/2023 03:30	0.7	88	24	1.4	0
22/06/2023 03:40	0.2	82	18	1.2	0
22/06/2023 03:50	0.3	85	19	1.4	0
22/06/2023 04:00	0.4	74	27	1.3	0
22/06/2023 04:10	0.5	79	16	1.4	0
22/06/2023 04:20	0.1	66	4	0.7	0
22/06/2023 04:30	0.1	102	5	0.7	0
22/06/2023 04:40	0.6	124	29	1.2	0
22/06/2023 04:50	0.3	87	17	0.9	0
22/06/2023 05:00	0.3	83	20	0.8	0
22/06/2023 05:10	0.1	91	14	0.6	0
22/06/2023 05:20	0.1	82	9	0.5	0
22/06/2023 05:30	0.1	88	7	0.5	0
22/06/2023 05:40	0.1	65	16	0.6	0
22/06/2023 05:50	0.2	73	11	0.8	0
22/06/2023 06:00	0.1	55	14	0.5	0
22/06/2023 06:10	0.5	75	14	1.2	0
22/06/2023 06:20	0.7	74	18	1.2	0
22/06/2023 06:30	0.7	75	19	1.2	0
22/06/2023 06:40	0.6	73	30	1.1	0
22/06/2023 06:50	0.7	75	22	1.4	0
22/06/2023 07:00	0.8	77	22	1.4	0
22/06/2023 07:10	0.9	72	35	1.6	0
22/06/2023 07:20	0.7	92	26	1.5	0
22/06/2023 07:30	2	91	29	3.6	0
22/06/2023 07:40	2.1	87	25	4	0
22/06/2023 07:50	2.7	88	23	4.3	0
22/06/2023 08:00	2.1	95	27	3.5	0
22/06/2023 08:10	2.3	90	27	3.9	0
22/06/2023 08:20	2.5	90	23	4.4	0
22/06/2023 08:30	2.1	96	29	3.9	0
22/06/2023 08:40	2.7	87	26	4.8	0
22/06/2023 08:50	2.3	95	28	3.7	0
22/06/2023 09:00	2.6	88	26	4.6	0
22/06/2023 09:10	3.3	94	31	5.6	0
22/06/2023 09:20	3.4	93	26	4.9	0
22/06/2023 09:30	3.2	96	26	4.8	0
22/06/2023 09:40	3.5	86	20	5.6	0
22/06/2023 09:50	3.2	96	29	5.1	0
22/06/2023 10:00	2.9	99	28	5.6	0
22/06/2023 10:10	2.8	90	29	4.8	0
22/06/2023 10:20	3.2	91	24	5.2	0
22/06/2023 10:30	2.8	95	28	4.7	0
22/06/2023 10:40	3.1	104	27	4.6	0
22/06/2023 10:50	2.8	104	29	4.7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/06/2023 11:00	2.4	105	35	4.7	0
22/06/2023 11:10	2.5	107	32	4.4	0
22/06/2023 11:20	2.7	97	28	5	0
22/06/2023 11:30	2.7	94	29	4.8	0
22/06/2023 11:40	3	94	28	4.9	0
22/06/2023 11:50	2.6	101	30	4.6	0
22/06/2023 12:00	3	89	26	5.1	0
22/06/2023 12:10	2.7	89	24	4.8	0
22/06/2023 12:20	2.8	91	26	4.3	0
22/06/2023 12:30	2.5	91	32	4	0
22/06/2023 12:40	2.6	93	27	4.1	0
22/06/2023 12:50	2.6	89	27	4	0
22/06/2023 13:00	2.5	82	27	4.7	0
22/06/2023 13:10	2.8	90	28	4.8	0
22/06/2023 13:20	2.6	90	29	4.3	0
22/06/2023 13:30	2.5	86	26	3.7	0
22/06/2023 13:40	2.3	71	26	3.6	0
22/06/2023 13:50	2.4	83	31	4	0
22/06/2023 14:00	2.6	72	22	4.4	0
22/06/2023 14:10	2.3	65	22	3.8	0
22/06/2023 14:20	2.7	59	19	4	0
22/06/2023 14:30	2.8	61	26	4.5	0
22/06/2023 14:40	2.5	55	25	4.2	0
22/06/2023 14:50	2.6	63	21	4.4	0
22/06/2023 15:00	2.4	62	23	3.8	0
22/06/2023 15:10	2.8	55	21	4.1	0
22/06/2023 15:20	2.4	56	24	4.1	0
22/06/2023 15:30	2.3	61	25	3.7	0
22/06/2023 15:40	2.4	68	22	3.5	0
22/06/2023 15:50	2.1	68	23	3.4	0
22/06/2023 16:00	2.1	58	22	3.2	0
22/06/2023 16:10	2	58	22	3.2	0
22/06/2023 16:20	2.2	52	19	3.5	0
22/06/2023 16:30	2.1	50	22	3.6	0
22/06/2023 16:40	2.1	50	21	3.4	0
22/06/2023 16:50	2	53	18	3.4	0
22/06/2023 17:00	1.7	40	18	2.7	0
22/06/2023 17:10	1.9	45	17	3.2	0
22/06/2023 17:20	1.6	39	17	2.4	0
22/06/2023 17:30	1.3	32	15	2.2	0
22/06/2023 17:40	1.3	31	16	1.8	0
22/06/2023 17:50	1.4	20	19	2.3	0
22/06/2023 18:00	1.3	20	22	1.9	0
22/06/2023 18:10	1.1	11	19	1.7	0
22/06/2023 18:20	1.1	8	19	1.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/06/2023 18:30	1.1	7	21	1.6	0
22/06/2023 18:40	0.9	2	21	1.6	0
22/06/2023 18:50	0.3	172	12	0.7	0
22/06/2023 19:00					0
22/06/2023 19:10					0
22/06/2023 19:20	0.7	254	8	0.8	0
22/06/2023 19:30	0.4	265	16	1.1	0
22/06/2023 19:40	1.5	271	9	2	0
22/06/2023 19:50	1.7	271	13	2.3	0
22/06/2023 20:00	1.9	255	20	2.8	0
22/06/2023 20:10	1.7	245	19	2.8	0
22/06/2023 20:20	1.8	254	13	2.6	0
22/06/2023 20:30	2.1	253	13	3	0
22/06/2023 20:40	2.1	263	14	2.7	0
22/06/2023 20:50	2	267	15	2.8	0
22/06/2023 21:00	1.8	261	15	2.5	0
22/06/2023 21:10	1.8	263	12	2.4	0
22/06/2023 21:20	2	267	14	2.8	0
22/06/2023 21:30	1.9	273	16	2.6	0
22/06/2023 21:40	1.9	273	18	2.8	0
22/06/2023 21:50	2	271	16	2.8	0
22/06/2023 22:00	1.9	275	17	2.8	0
22/06/2023 22:10	1.8	287	18	2.7	0
22/06/2023 22:20	1.7	288	18	2.5	0
22/06/2023 22:30	1.9	270	15	2.8	0
22/06/2023 22:40	2.2	268	14	3.2	0
22/06/2023 22:50	2	272	16	2.8	0
22/06/2023 23:00	2.3	269	16	3.3	0
22/06/2023 23:10	2.2	270	16	3.2	0
22/06/2023 23:20	2.2	266	15	3.3	0
22/06/2023 23:30	2.1	272	16	3.1	0
22/06/2023 23:40	2.2	269	15	3.2	0
22/06/2023 23:50	2	262	17	3	0
23/06/2023 00:00	2.4	257	17	3.6	0
23/06/2023 00:10	2.2	256	17	3.2	0
23/06/2023 00:20	2.1	251	19	3.2	0
23/06/2023 00:30	2.1	252	16	3	0
23/06/2023 00:40	2.1	248	15	3.2	0
23/06/2023 00:50	2.1	252	14	3	0
23/06/2023 01:00	1.8	248	15	2.5	0
23/06/2023 01:10	1.5	249	19	2.2	0
23/06/2023 01:20	1.2	273	21	1.8	0
23/06/2023 01:30	0.9	302	20	1.2	0
23/06/2023 01:40	1	280	24	1.5	0
23/06/2023 01:50	1	288	19	1.4	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/06/2023 02:00	1.2	288	23	1.8	0
23/06/2023 02:10	1.5	278	16	2.1	0
23/06/2023 02:20	1.3	281	19	2	0
23/06/2023 02:30	1.2	270	18	1.7	0
23/06/2023 02:40	1.3	291	22	1.9	0
23/06/2023 02:50	1.4	310	16	1.9	0
23/06/2023 03:00	1.4	315	10	1.7	0
23/06/2023 03:10	1.3	276	16	1.7	0
23/06/2023 03:20	1.3	267	16	1.8	0
23/06/2023 03:30	1	294	21	1.5	0
23/06/2023 03:40	1.2	265	19	1.9	0
23/06/2023 03:50	1.2	250	18	2.3	0
23/06/2023 04:00	1.6	244	14	2.5	0
23/06/2023 04:10	1.4	268	16	2.5	0
23/06/2023 04:20	0.8	248	20	1.8	0
23/06/2023 04:30	0.1	285	7	1.1	0
23/06/2023 04:40	0.4	151	6	1.1	0
23/06/2023 04:50	0.7	346	12	1.2	0
23/06/2023 05:00	0.4	351	10	0.8	0
23/06/2023 05:10	0.9	350	12	1.3	0
23/06/2023 05:20	1.2	340	10	1.5	0
23/06/2023 05:30	1	352	17	1.5	0
23/06/2023 05:40	1	346	14	1.3	0
23/06/2023 05:50	1	353	13	1.3	0
23/06/2023 06:00	1	1	18	1.3	0
23/06/2023 06:10	1	12	16	1.4	0
23/06/2023 06:20	0.9	21	21	1.5	0
23/06/2023 06:30	1	15	15	1.6	0
23/06/2023 06:40	1	22	18	1.5	0
23/06/2023 06:50	1	22	18	1.5	0
23/06/2023 07:00	1.1	30	17	1.7	0
23/06/2023 07:10	1	32	21	1.6	0
23/06/2023 07:20	1	36	21	1.4	0
23/06/2023 07:30	0.9	51	28	1.7	0
23/06/2023 07:40	1.4	79	22	2.7	0
23/06/2023 07:50	1.6	84	20	2.6	0
23/06/2023 08:00	2.1	87	21	3.3	0
23/06/2023 08:10	2.1	88	17	3.4	0
23/06/2023 08:20	2	91	25	3.4	0
23/06/2023 08:30	2.2	96	24	3.4	0
23/06/2023 08:40	2.5	94	29	3.8	0
23/06/2023 08:50	2.4	94	26	4	0
23/06/2023 09:00	2.5	100	27	4.4	0
23/06/2023 09:10	2.9	91	28	4.5	0
23/06/2023 09:20	2.8	92	24	4.7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/06/2023 09:30	2.5	97	29	4.4	0
23/06/2023 09:40	3	98	30	5.1	0
23/06/2023 09:50	3.2	89	25	5.2	0
23/06/2023 10:00	3.1	93	23	5.2	0
23/06/2023 10:10	2.8	101	29	4.6	0
23/06/2023 10:20	2.6	91	32	4.1	0
23/06/2023 10:30	3	82	21	5.2	0
23/06/2023 10:40	2.8	81	21	4.4	0
23/06/2023 10:50	2.8	68	25	4.5	0
23/06/2023 11:00	2.8	66	22	4.8	0
23/06/2023 11:10	2.6	62	23	4.2	0
23/06/2023 11:20	2.3	72	28	3.8	0
23/06/2023 11:30	2.6	75	22	4.4	0
23/06/2023 11:40	2.7	83	23	4.3	0
23/06/2023 11:50	2.5	76	27	4.4	0
23/06/2023 12:00	2.6	75	25	4.2	0
23/06/2023 12:10	2.5	76	23	3.7	0
23/06/2023 12:20	2.4	73	25	4.1	0
23/06/2023 12:30	2.4	71	26	4	0
23/06/2023 12:40	2.8	89	26	4.8	0
23/06/2023 12:50	2.5	90	25	4	0
23/06/2023 13:00	2.4	85	27	3.7	0
23/06/2023 13:10	2.3	73	24	3.6	0
23/06/2023 13:20	2.4	69	24	4	0
23/06/2023 13:30	2.6	55	25	4.3	0
23/06/2023 13:40	2.2	55	33	3.7	0
23/06/2023 13:50	2.4	58	22	4.4	0
23/06/2023 14:00	2.2	51	25	4.2	0
23/06/2023 14:10	2.3	65	31	4	0
23/06/2023 14:20	2.2	64	25	3.4	0
23/06/2023 14:30	2.3	62	24	3.6	0
23/06/2023 14:40	2.1	59	23	3.3	0
23/06/2023 14:50	2.1	55	24	3.7	0
23/06/2023 15:00	2.2	59	23	3.3	0
23/06/2023 15:10	2.1	61	24	3.5	0
23/06/2023 15:20	2.3	55	21	3.8	0
23/06/2023 15:30	1.9	52	23	3.5	0
23/06/2023 15:40	2	60	24	3	0
23/06/2023 15:50	1.5	58	25	2.4	0
23/06/2023 16:00	1.5	71	24	2.1	0
23/06/2023 16:10	1.4	63	23	2.6	0
23/06/2023 16:20	1.3	66	23	2	0
23/06/2023 16:30	1.3	60	18	2	0
23/06/2023 16:40	1.4	45	17	2	0
23/06/2023 16:50	0.8	29	22	1.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/06/2023 17:00	0.6	139	42	1.4	0
23/06/2023 17:10	0.3	96	38	1.1	0
23/06/2023 17:20	0.7	333	33	1.6	0
23/06/2023 17:30	1.3	316	26	2	0
23/06/2023 17:40	1.3	330	32	2.3	0
23/06/2023 17:50	0.9	350	27	1.7	0
23/06/2023 18:00	0.9	329	30	1.6	0
23/06/2023 18:10	0.6	328	25	1.5	0
23/06/2023 18:20	0.8	252	15	1.3	0
23/06/2023 18:30	1	255	16	1.4	0
23/06/2023 18:40	0.7	259	21	1.2	0
23/06/2023 18:50	0.5	257	16	1.1	0
23/06/2023 19:00	0.3	242	10	0.6	0
23/06/2023 19:10	0.9	254	9	1.4	0
23/06/2023 19:20	0.7	277	13	1.1	0
23/06/2023 19:30	0.5	288	19	1	0
23/06/2023 19:40	0.3	295	10	0.7	0
23/06/2023 19:50	0.9	274	11	1.4	0
23/06/2023 20:00	1.1	288	13	1.4	0
23/06/2023 20:10	1.1	282	14	1.6	0
23/06/2023 20:20	1.2	274	13	1.7	0
23/06/2023 20:30	1.4	271	13	2	0
23/06/2023 20:40	1.3	284	10	1.9	0
23/06/2023 20:50	1.2	284	11	1.6	0
23/06/2023 21:00	1.3	300	11	1.6	0
23/06/2023 21:10	1.2	306	12	1.7	0
23/06/2023 21:20	1.1	295	13	1.6	0
23/06/2023 21:30	1.4	278	15	2.2	0
23/06/2023 21:40	1.4	276	19	2	0
23/06/2023 21:50	1.3	279	16	2.1	0
23/06/2023 22:00	1.2	289	19	1.6	0
23/06/2023 22:10	1	303	17	1.3	0
23/06/2023 22:20	1	303	14	1.4	0
23/06/2023 22:30	0.9	301	17	1.4	0
23/06/2023 22:40	1	285	19	1.6	0
23/06/2023 22:50	1	273	17	1.5	0
23/06/2023 23:00	1	273	16	1.4	0
23/06/2023 23:10	1.3	257	15	2	0
23/06/2023 23:20	1.5	266	15	2	0
23/06/2023 23:30	1.6	274	16	2.3	0
23/06/2023 23:40	1.4	278	18	2.1	0
23/06/2023 23:50	1.7	278	18	2.4	0
24/06/2023 00:00	1.7	282	19	2.4	0
24/06/2023 00:10	1.4	288	18	2	0
24/06/2023 00:20	1.1	287	22	1.7	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/06/2023 00:30	0.9	295	21	1.2	0
24/06/2023 00:40	0.8	275	19	1.2	0
24/06/2023 00:50	1.1	289	20	1.6	0
24/06/2023 01:00	1.2	298	21	2	0
24/06/2023 01:10	1.4	281	19	2.2	0
24/06/2023 01:20	1.7	272	18	2.4	0
24/06/2023 01:30	1.4	273	18	2	0
24/06/2023 01:40	1.3	279	17	2.1	0
24/06/2023 01:50	1.2	271	18	1.6	0
24/06/2023 02:00	1.2	261	15	1.6	0
24/06/2023 02:10	1	274	20	1.6	0
24/06/2023 02:20	1.2	265	18	1.7	0
24/06/2023 02:30	1.3	273	20	1.9	0
24/06/2023 02:40	1.1	274	18	1.6	0
24/06/2023 02:50	1.4	251	14	2	0
24/06/2023 03:00	1.6	249	13	2.2	0
24/06/2023 03:10	1.2	256	13	1.8	0
24/06/2023 03:20	1.3	256	12	1.7	0
24/06/2023 03:30	1.2	248	16	1.8	0
24/06/2023 03:40	1.3	238	17	1.8	0
24/06/2023 03:50	1.3	258	12	1.6	0
24/06/2023 04:00	1.2	245	11	1.6	0
24/06/2023 04:10	0.8	262	11	1.2	0
24/06/2023 04:20	0.3	252	15	0.8	0
24/06/2023 04:30	0	141	5	0.7	0
24/06/2023 04:40	0.2	274	13	0.8	0
24/06/2023 04:50	0.7	349	14	1.2	0
24/06/2023 05:00	0.4	13	20	0.9	0
24/06/2023 05:10	0.7	25	24	1.4	0
24/06/2023 05:20	0.8	23	20	1.2	0
24/06/2023 05:30	0.8	29	17	1.2	0
24/06/2023 05:40	0.5	47	20	0.8	0
24/06/2023 05:50	0.2	53	14	0.7	0
24/06/2023 06:00	0.1	46	17	1	0
24/06/2023 06:10	0.3	69	19	1.1	0
24/06/2023 06:20	0.5	30	33	1.2	0
24/06/2023 06:30	0.7	15	33	1.8	0
24/06/2023 06:40	0.7	30	27	1.6	0
24/06/2023 06:50	0.4	21	17	0.8	0
24/06/2023 07:00	0.2	20	20	0.8	0
24/06/2023 07:10	0	22	2	0.4	0
24/06/2023 07:20	0.1	37	12	0.6	0
24/06/2023 07:30	0.1	31	7	0.6	0
24/06/2023 07:40	0.1	53	5	0.5	0
24/06/2023 07:50	0	56	1	0.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/06/2023 08:00	0.6	99	18	1.7	0
24/06/2023 08:10	1.3	89	26	2.2	0
24/06/2023 08:20	1.1	105	32	2.6	0
24/06/2023 08:30	1.3	119	31	2.2	0
24/06/2023 08:40	1.5	121	35	3.2	0
24/06/2023 08:50	2.1	110	32	3.9	0
24/06/2023 09:00	2.1	116	38	4.1	0
24/06/2023 09:10	2.2	119	29	4.3	0
24/06/2023 09:20	2.4	107	35	3.9	0
24/06/2023 09:30	2.5	101	35	4.5	0
24/06/2023 09:40	2.6	112	33	4.5	0
24/06/2023 09:50	2.7	103	28	5	0
24/06/2023 10:00	2.8	95	31	4.9	0
24/06/2023 10:10	3.5	88	26	5.3	0
24/06/2023 10:20	3	87	23	5.3	0
24/06/2023 10:30	3.2	87	24	5.1	0
24/06/2023 10:40	3.4	84	24	5.1	0
24/06/2023 10:50	3.3	86	23	5.6	0
24/06/2023 11:00	2.9	95	28	4.8	0
24/06/2023 11:10	3.1	93	24	4.6	0
24/06/2023 11:20	2.7	84	30	4.5	0
24/06/2023 11:30	2.9	86	26	4.5	0
24/06/2023 11:40	3	93	28	4.7	0
24/06/2023 11:50	3.6	88	21	5.3	0
24/06/2023 12:00	3.1	97	28	5	0
24/06/2023 12:10	2.9	93	31	4.8	0
24/06/2023 12:20	3	84	27	5.4	0
24/06/2023 12:30	3.1	80	23	5.1	0
24/06/2023 12:40	3.1	81	25	5.3	0
24/06/2023 12:50	2.8	78	28	4.3	0
24/06/2023 13:00	2.7	62	23	4.4	0
24/06/2023 13:10	2.8	55	23	4.8	0
24/06/2023 13:20	2.7	71	26	4.2	0
24/06/2023 13:30	2.6	72	25	4.4	0
24/06/2023 13:40	2.5	81	29	3.9	0
24/06/2023 13:50	2.5	65	26	4.4	0
24/06/2023 14:00	3	60	18	4.9	0
24/06/2023 14:10	2.7	55	24	4.4	0
24/06/2023 14:20	2.6	55	21	4.4	0
24/06/2023 14:30	2.5	54	22	4	0
24/06/2023 14:40	2.4	58	22	4	0
24/06/2023 14:50	2.4	62	28	3.9	0
24/06/2023 15:00	2.5	55	22	3.8	0
24/06/2023 15:10	2.3	60	20	4	0
24/06/2023 15:20	2.2	59	23	3.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/06/2023 15:30	2.4	50	20	3.7	0
24/06/2023 15:40	2.2	60	24	3.2	0
24/06/2023 15:50	2.3	50	21	3.7	0
24/06/2023 16:00	2.2	53	21	3.3	0
24/06/2023 16:10	2	47	21	3.3	0
24/06/2023 16:20	1.8	51	22	3	0
24/06/2023 16:30	2.1	46	21	3.1	0
24/06/2023 16:40	1.8	43	20	2.9	0
24/06/2023 16:50	1.5	38	21	2.2	0
24/06/2023 17:00	1.5	32	19	3	0
24/06/2023 17:10	1.6	35	19	2.4	0
24/06/2023 17:20	1.5	28	17	2.3	0
24/06/2023 17:30	1.3	25	17	2.3	0
24/06/2023 17:40	1.3	22	16	1.8	0
24/06/2023 17:50	1.3	24	16	1.9	0
24/06/2023 18:00	1.2	24	16	1.6	0
24/06/2023 18:10	1.4	25	16	1.9	0
24/06/2023 18:20	1.3	22	14	2	0
24/06/2023 18:30	1.3	22	16	1.6	0
24/06/2023 18:40	1.1	9	18	1.6	0
24/06/2023 18:50	0.8	16	15	1.3	0
24/06/2023 19:00	0.4	47	18	1	0
24/06/2023 19:10	0.2	31	14	0.7	0
24/06/2023 19:20	0.5	5	16	0.8	0
24/06/2023 19:30	0.1	101	3	0.5	0
24/06/2023 19:40	0	247	6	0.4	0
24/06/2023 19:50	0	340	0	0.4	0
24/06/2023 20:00	0	1	7	0.4	0
24/06/2023 20:10	0.7	346	10	1.1	0
24/06/2023 20:20	1.1	335	11	1.4	0
24/06/2023 20:30	0.9	340	14	1.5	0
24/06/2023 20:40	1.1	338	6	1.5	0
24/06/2023 20:50	0.9	344	12	1.2	0
24/06/2023 21:00	0.6	353	9	1	0
24/06/2023 21:10	0.5	349	6	1.1	0
24/06/2023 21:20	1.2	336	7	1.4	0
24/06/2023 21:30	0.7	175	14	1.1	0
24/06/2023 21:40	0.6	180	13	0.8	0
24/06/2023 21:50	0.5	178	14	0.8	0
24/06/2023 22:00	0.4	291	15	0.8	0
24/06/2023 22:10	0.8	269	16	1.3	0
24/06/2023 22:20	0.8	285	22	1.3	0
24/06/2023 22:30	1.2	277	17	1.8	0
24/06/2023 22:40	1.4	280	17	2	0
24/06/2023 22:50	1.7	267	16	2.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/06/2023 23:00	1.3	282	19	1.9	0
24/06/2023 23:10	1.7	288	17	2.4	0
24/06/2023 23:20	1.7	279	17	2.5	0
24/06/2023 23:30	1.8	284	22	2.8	0
24/06/2023 23:40	1.9	303	19	2.8	0
24/06/2023 23:50	2	268	15	3.1	0
25/06/2023 00:00	1.8	273	17	2.8	0
25/06/2023 00:10	1.9	258	15	2.8	0
25/06/2023 00:20	1.5	275	20	2.4	0
25/06/2023 00:30	1.6	279	21	2.3	0
25/06/2023 00:40	1.4	304	22	2	0
25/06/2023 00:50	1.5	297	17	2.4	0
25/06/2023 01:00	1.2	287	23	2	0
25/06/2023 01:10	1.3	280	25	2	0
25/06/2023 01:20	1.6	260	15	2.4	0
25/06/2023 01:30	1.7	268	15	2.4	0
25/06/2023 01:40	1.8	265	15	2.8	0
25/06/2023 01:50	1.6	266	17	2.3	0
25/06/2023 02:00	1.9	259	15	2.4	0
25/06/2023 02:10	1.8	252	14	2.9	0
25/06/2023 02:20	1.6	247	20	2.4	0
25/06/2023 02:30	2.1	257	17	3.2	0
25/06/2023 02:40	2.1	257	17	2.9	0
25/06/2023 02:50	2.2	259	18	3.2	0
25/06/2023 03:00	2.3	255	17	3.2	0
25/06/2023 03:10	2.2	251	17	3.5	0
25/06/2023 03:20	2.5	253	15	3.5	0
25/06/2023 03:30	2.3	257	16	3.5	0
25/06/2023 03:40	2.5	255	16	3.6	0
25/06/2023 03:50	1.9	242	16	2.8	0
25/06/2023 04:00	1.8	240	21	3.2	0
25/06/2023 04:10	1.7	240	17	2.8	0
25/06/2023 04:20	1.8	239	17	2.4	0
25/06/2023 04:30	1.2	242	15	2	0
25/06/2023 04:40	1.2	238	19	2	0
25/06/2023 04:50	1.2	240	17	2	0
25/06/2023 05:00	1.4	241	21	2.5	0
25/06/2023 05:10	1.3	238	17	2	0
25/06/2023 05:20	1.1	237	24	1.9	0
25/06/2023 05:30	0.9	242	15	1.9	0
25/06/2023 05:40	0.4	270	19	0.9	0
25/06/2023 05:50	0.2	296	14	0.7	0
25/06/2023 06:00	0.5	275	20	1	0
25/06/2023 06:10	0.6	139	47	1.3	0
25/06/2023 06:20	0.3	127	14	0.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/06/2023 06:30	0.7	186	21	1.5	0
25/06/2023 06:40	0.4	19	21	1	0
25/06/2023 06:50	0.9	179	28	1.6	0
25/06/2023 07:00	0.2	314	19	0.7	0
25/06/2023 07:10	0.7	9	16	1.2	0
25/06/2023 07:20	0.4	37	18	1	0
25/06/2023 07:30	0.8	38	21	1.5	0
25/06/2023 07:40	0.2	59	20	0.8	0
25/06/2023 07:50	0.3	29	15	1	0
25/06/2023 08:00	0.4	51	22	1.3	0
25/06/2023 08:10	0.5	73	26	1.1	0
25/06/2023 08:20	1	95	26	1.9	0
25/06/2023 08:30	1.3	130	24	2	0
25/06/2023 08:40	1.4	115	25	2.4	0
25/06/2023 08:50	1.4	123	22	2.4	0
25/06/2023 09:00	1.3	138	25	2.3	0
25/06/2023 09:10	1.4	140	29	2.3	0
25/06/2023 09:20	1.5	136	25	2.3	0
25/06/2023 09:30	1.3	121	25	2.1	0
25/06/2023 09:40	1.1	115	28	2	0
25/06/2023 09:50	1.2	112	31	2.3	0
25/06/2023 10:00	1.5	120	28	2.6	0
25/06/2023 10:10	1.5	126	24	2.4	0
25/06/2023 10:20	1.4	116	35	2.5	0
25/06/2023 10:30	1.5	120	32	2.8	0
25/06/2023 10:40	1.5	119	35	2.6	0
25/06/2023 10:50	1.5	99	31	2.6	0
25/06/2023 11:00	1.7	100	33	2.9	0
25/06/2023 11:10	1.7	126	24	2.8	0
25/06/2023 11:20	1.7	122	29	3.3	0
25/06/2023 11:30	1.7	109	30	2.6	0
25/06/2023 11:40	1.6	106	29	2.8	0
25/06/2023 11:50	1.6	108	33	2.8	0
25/06/2023 12:00	1.7	74	27	2.8	0
25/06/2023 12:10	1.7	69	30	3.1	0
25/06/2023 12:20	2	54	25	3.6	0
25/06/2023 12:30	1.8	62	31	4	0
25/06/2023 12:40	2.1	62	24	3.7	0
25/06/2023 12:50	2.4	58	18	4	0
25/06/2023 13:00	2.4	57	21	3.9	0
25/06/2023 13:10	2.3	61	23	4.2	0
25/06/2023 13:20	2.5	60	21	4	0
25/06/2023 13:30	2.7	57	22	4	0
25/06/2023 13:40	2.6	56	25	4.3	0
25/06/2023 13:50	2.7	54	23	4.2	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/06/2023 14:00	2.7	53	18	4.3	0
25/06/2023 14:10	2.4	65	20	3.8	0
25/06/2023 14:20	2.3	56	21	3.7	0
25/06/2023 14:30	2.3	59	23	4	0
25/06/2023 14:40	2.2	62	24	3.6	0
25/06/2023 14:50	2.4	56	23	3.5	0
25/06/2023 15:00	2	68	23	3.5	0
25/06/2023 15:10	2.2	52	23	3.6	0
25/06/2023 15:20	2.3	53	23	3.8	0
25/06/2023 15:30	2	53	21	3.3	0
25/06/2023 15:40	1.9	52	20	3.1	0
25/06/2023 15:50	2	51	19	3.2	0
25/06/2023 16:00	1.7	55	19	2.6	0
25/06/2023 16:10	1.8	54	21	2.8	0
25/06/2023 16:20	1.9	53	18	2.8	0
25/06/2023 16:30	1.6	53	18	2.6	0
25/06/2023 16:40	1.6	56	19	2.5	0
25/06/2023 16:50	1.6	50	20	2.6	0
25/06/2023 17:00	1.4	49	19	2	0
25/06/2023 17:10	1.1	40	33	2.4	0
25/06/2023 17:20	1	25	30	1.8	0
25/06/2023 17:30	1.2	36	32	2.4	0
25/06/2023 17:40	1	39	26	1.7	0
25/06/2023 17:50	1.3	41	20	1.9	0
25/06/2023 18:00	1	40	17	1.8	0
25/06/2023 18:10	0.5	31	19	1.2	0
25/06/2023 18:20	0.8	12	28	1.6	0
25/06/2023 18:30	1	16	33	2	0
25/06/2023 18:40	1	33	26	1.6	0
25/06/2023 18:50	0.7	20	39	1.5	0
25/06/2023 19:00	1.4	235	33	2	0
25/06/2023 19:10	1.2	232	13	1.6	0
25/06/2023 19:20	0.9	286	13	1.3	0
25/06/2023 19:30	0.6	287	15	1.1	0
25/06/2023 19:40	0.1	314	2	0.7	0
25/06/2023 19:50	0.7	333	8	0.9	0
25/06/2023 20:00	0.5	315	11	0.9	0
25/06/2023 20:10	0.5	298	11	0.9	0
25/06/2023 20:20	1.2	265	18	1.9	0
25/06/2023 20:30	1.2	275	17	1.8	0
25/06/2023 20:40	1.2	274	15	1.7	0
25/06/2023 20:50	1.2	275	17	2	0
25/06/2023 21:00	1.3	275	14	2	0
25/06/2023 21:10	1	279	19	1.6	0
25/06/2023 21:20	1.2	282	16	2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/06/2023 21:30	1.3	283	19	2	0
25/06/2023 21:40	1.2	284	18	1.8	0
25/06/2023 21:50	1	293	15	1.5	0
25/06/2023 22:00	0.9	304	13	1.3	0
25/06/2023 22:10	1	302	8	1.5	0
25/06/2023 22:20	0.9	299	13	1.4	0
25/06/2023 22:30	1	305	11	1.3	0
25/06/2023 22:40	1.2	288	10	1.6	0
25/06/2023 22:50	0.8	265	23	1.2	0
25/06/2023 23:00	1.7	252	19	2.8	0
25/06/2023 23:10	1.6	252	15	2.4	0
25/06/2023 23:20	1.9	261	14	2.8	0
25/06/2023 23:30	1.9	271	16	2.7	0
25/06/2023 23:40	1.7	273	17	2.5	0
25/06/2023 23:50	1.4	279	18	2.1	0
26/06/2023 00:00	1.5	286	17	2.3	0
26/06/2023 00:10	1.7	274	15	2.4	0
26/06/2023 00:20	1.9	268	15	2.6	0
26/06/2023 00:30	2	265	14	2.9	0
26/06/2023 00:40	2.4	265	14	3.4	0
26/06/2023 00:50	2.3	268	15	3.4	0
26/06/2023 01:00	1.8	260	16	2.7	0
26/06/2023 01:10	1.9	263	17	2.7	0
26/06/2023 01:20	2.6	265	15	3.5	0
26/06/2023 01:30	2.3	267	17	3.3	0
26/06/2023 01:40	2.2	270	17	3.1	0
26/06/2023 01:50	2.3	270	18	3.1	0
26/06/2023 02:00	2.3	268	15	3.8	0
26/06/2023 02:10	2	277	16	2.8	0
26/06/2023 02:20	2.1	271	19	3.2	0
26/06/2023 02:30	2.3	267	15	3.2	0
26/06/2023 02:40	2.2	274	16	3.4	0
26/06/2023 02:50	2.1	281	20	3	0
26/06/2023 03:00	2.1	272	16	2.8	0
26/06/2023 03:10	2	267	16	2.7	0
26/06/2023 03:20	2.1	259	14	2.9	0
26/06/2023 03:30	1.8	255	19	2.7	0
26/06/2023 03:40	1.5	244	20	2.5	0
26/06/2023 03:50	1.3	244	18	2	0
26/06/2023 04:00	0.7	286	25	1.2	0
26/06/2023 04:10	1.2	257	16	1.6	0
26/06/2023 04:20	1.6	246	11	2	0
26/06/2023 04:30	1.4	237	19	2.6	0
26/06/2023 04:40	0.9	268	37	1.8	0
26/06/2023 04:50	1.2	301	27	2.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/06/2023 05:00	0.9	306	38	2	0
26/06/2023 05:10	1.5	277	23	2.2	0
26/06/2023 05:20	1	269	26	2.6	0
26/06/2023 05:30	1	300	22	1.6	0
26/06/2023 05:40	0.8	311	18	1.3	0
26/06/2023 05:50	0.8	333	29	1.4	0
26/06/2023 06:00	1.1	249	52	1.7	0
26/06/2023 06:10	1.2	205	37	2.8	0
26/06/2023 06:20	1.7	198	23	3.2	0
26/06/2023 06:30	2.1	201	17	3.2	0
26/06/2023 06:40	2.3	194	22	3.8	0
26/06/2023 06:50	2.4	189	22	3.6	0
26/06/2023 07:00	2.6	191	21	4	0
26/06/2023 07:10	2.5	194	16	3.6	0
26/06/2023 07:20	2.2	198	20	3.8	0
26/06/2023 07:30	1.9	187	30	3.2	0
26/06/2023 07:40	0.6	107	43	1.7	0
26/06/2023 07:50	1	64	48	2.4	0
26/06/2023 08:00	0.9	196	30	1.6	0
26/06/2023 08:10	0.9	329	35	1.5	0
26/06/2023 08:20	0.9	31	29	1.5	0
26/06/2023 08:30	1.1	62	27	2	0
26/06/2023 08:40	0.8	71	26	1.8	0
26/06/2023 08:50	1.3	66	23	2.2	0
26/06/2023 09:00	1.1	104	42	2.2	0
26/06/2023 09:10	1.2	115	40	2	0
26/06/2023 09:20	1	82	39	1.6	0
26/06/2023 09:30	1.1	65	32	1.6	0
26/06/2023 09:40	0.8	86	48	1.6	0
26/06/2023 09:50	0.8	142	37	1.8	0
26/06/2023 10:00	1.3	152	36	2.3	0
26/06/2023 10:10	1.6	137	27	3.2	0
26/06/2023 10:20	1.6	142	30	2.7	0
26/06/2023 10:30	1.4	130	33	2.8	0
26/06/2023 10:40	1.3	148	36	2.1	0
26/06/2023 10:50	1.2	118	35	2.1	0
26/06/2023 11:00	1.3	150	35	2.1	0
26/06/2023 11:10	1.4	129	29	2.4	0
26/06/2023 11:20	1.5	116	30	2.6	0
26/06/2023 11:30	1.9	172	33	4.1	0
26/06/2023 11:40	2.1	173	31	4.4	0
26/06/2023 11:50	2.8	180	29	4.8	0
26/06/2023 12:00	1.7	141	32	3.2	0
26/06/2023 12:10	2.5	186	23	4.1	0
26/06/2023 12:20	3.2	198	16	4.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/06/2023 12:30	2.6	189	19	3.7	0
26/06/2023 12:40	2.2	194	26	3.7	0
26/06/2023 12:50	1.8	171	35	3.2	0
26/06/2023 13:00	1.3	122	47	2.9	0
26/06/2023 13:10	1.5	88	35	2.8	0
26/06/2023 13:20	1.8	68	28	3.2	0
26/06/2023 13:30	1.5	56	27	3.3	0
26/06/2023 13:40	1.9	18	34	3.6	0
26/06/2023 13:50	1.9	14	37	3.6	0
26/06/2023 14:00	2.3	173	37	3.8	0
26/06/2023 14:10	1.8	11	37	3.2	0
26/06/2023 14:20	1.8	351	37	3.5	0
26/06/2023 14:30	2.4	336	29	3.7	0
26/06/2023 14:40	2.4	334	31	4	0
26/06/2023 14:50	2.5	329	29	4	0
26/06/2023 15:00	1.6	313	37	3.1	0
26/06/2023 15:10	1.5	292	42	2.7	0
26/06/2023 15:20	1.6	285	38	3.2	0
26/06/2023 15:30	1.5	303	45	2.8	0
26/06/2023 15:40	2	293	28	2.8	0
26/06/2023 15:50	2.4	249	17	3.6	0
26/06/2023 16:00	2.5	252	16	3.6	0
26/06/2023 16:10	2.8	250	16	3.6	0
26/06/2023 16:20	2.5	255	14	3.6	0
26/06/2023 16:30	2.6	257	14	3.8	0
26/06/2023 16:40	2.3	258	17	3.3	0
26/06/2023 16:50	2.5	258	15	3.6	0
26/06/2023 17:00	2.1	258	16	3.2	0
26/06/2023 17:10	2	255	12	2.8	0
26/06/2023 17:20	1.9	259	13	2.8	0
26/06/2023 17:30	2	254	14	2.8	0
26/06/2023 17:40	2	254	16	2.8	0
26/06/2023 17:50	2.2	254	12	3	0
26/06/2023 18:00	1.9	253	15	2.5	0
26/06/2023 18:10	1.5	261	17	2.3	0
26/06/2023 18:20	1.6	261	15	2.6	0
26/06/2023 18:30	1.5	267	18	2.4	0
26/06/2023 18:40	1.5	259	19	2.2	0
26/06/2023 18:50	1.6	258	13	2.4	0
26/06/2023 19:00	1.7	261	12	2.4	0
26/06/2023 19:10	1.7	271	15	2.4	0
26/06/2023 19:20	1.6	270	12	2.2	0
26/06/2023 19:30	1.6	266	12	2	0
26/06/2023 19:40	1.5	267	14	2.1	0
26/06/2023 19:50	1.2	275	19	1.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/06/2023 20:00	0.9	282	20	1.4	0
26/06/2023 20:10	1.4	267	18	2.1	0
26/06/2023 20:20	1.4	271	22	2.1	0
26/06/2023 20:30	1.9	262	15	2.9	0
26/06/2023 20:40	1.8	265	18	2.4	0
26/06/2023 20:50	1.7	270	16	2.4	0
26/06/2023 21:00	1.4	275	17	2.1	0
26/06/2023 21:10	1.1	271	19	1.7	0
26/06/2023 21:20	2.2	254	15	3.1	0
26/06/2023 21:30	2.1	251	22	3.2	0
26/06/2023 21:40	2.2	264	18	3.1	0
26/06/2023 21:50	1.8	245	22	3.2	0
26/06/2023 22:00	1.8	224	29	3.4	0
26/06/2023 22:10	1.3	217	24	2.3	0
26/06/2023 22:20	2.1	203	20	3.9	0
26/06/2023 22:30	2.5	200	17	4.3	0
26/06/2023 22:40	2.6	201	20	4.5	0
26/06/2023 22:50	2.1	199	22	4	0
26/06/2023 23:00	2.2	189	21	4	0
26/06/2023 23:10	2.9	188	26	4.5	0
26/06/2023 23:20	4.1	185	21	6.8	0
26/06/2023 23:30	3.9	184	16	5.7	0
26/06/2023 23:40	3.9	188	18	5.9	0
26/06/2023 23:50	3.9	180	21	6.9	0
27/06/2023 00:00	3.2	183	21	5.4	0
27/06/2023 00:10	2.5	181	18	4.3	0
27/06/2023 00:20	2.1	192	25	4.1	0
27/06/2023 00:30	1.6	185	28	3.2	0
27/06/2023 00:40	0.7	244	84	1.4	0
27/06/2023 00:50	0.6	60	60	1.3	0
27/06/2023 01:00	0.3	173	41	1.6	0
27/06/2023 01:10	0.8	116	52	1.6	0
27/06/2023 01:20	0.5	82	56	1.3	0
27/06/2023 01:30	0.8	148	35	2.3	0
27/06/2023 01:40	0.9	132	33	1.8	0
27/06/2023 01:50	1.1	115	29	2.3	0
27/06/2023 02:00	0.6	109	30	1.3	0
27/06/2023 02:10	0.4	84	26	1.2	0
27/06/2023 02:20	0.2	33	18	0.8	0
27/06/2023 02:30	0.2	53	18	0.8	0
27/06/2023 02:40	0	62	15	0.4	0
27/06/2023 02:50	0.1	202	13	0.5	0
27/06/2023 03:00	0.3	106	23	1	0
27/06/2023 03:10	0.5	146	25	1.4	0
27/06/2023 03:20	1	165	18	2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/06/2023 03:30	0.6	147	27	1.2	0
27/06/2023 03:40	0.3	98	18	1.3	0
27/06/2023 03:50	0.6	155	29	1.8	0
27/06/2023 04:00	0.7	148	30	1.7	0
27/06/2023 04:10	0.8	140	34	1.6	0
27/06/2023 04:20	0.4	158	26	1.4	0
27/06/2023 04:30	0.4	142	33	1	0
27/06/2023 04:40	0.5	133	29	1.8	0
27/06/2023 04:50	0.4	95	16	1.2	0
27/06/2023 05:00	0.5	80	17	1.5	0
27/06/2023 05:10	0.3	98	20	1.1	0
27/06/2023 05:20	0.5	117	32	1.2	0
27/06/2023 05:30	1	145	35	1.7	0
27/06/2023 05:40	1.1	146	30	1.9	0
27/06/2023 05:50	1.2	134	33	2.6	0
27/06/2023 06:00	1.2	140	32	2.2	0
27/06/2023 06:10	1.2	136	29	2.1	0
27/06/2023 06:20	1.3	139	30	2.3	0
27/06/2023 06:30	1.3	125	29	2	0
27/06/2023 06:40	1.1	124	32	2.6	0
27/06/2023 06:50	1.3	141	32	2.4	0
27/06/2023 07:00	1.3	132	33	2.4	0
27/06/2023 07:10	1.3	129	30	2.8	0
27/06/2023 07:20	1.7	132	29	3	0
27/06/2023 07:30	2.1	130	28	3.8	0
27/06/2023 07:40	1.8	129	28	3	0
27/06/2023 07:50	1.9	134	32	3.5	0
27/06/2023 08:00	2	130	29	3.9	0
27/06/2023 08:10	2	128	27	3.3	0
27/06/2023 08:20	2.4	127	30	3.9	0
27/06/2023 08:30	2.2	121	29	3.6	0
27/06/2023 08:40	2.4	123	29	3.6	0
27/06/2023 08:50	2.6	106	32	4.1	0
27/06/2023 09:00	2.5	117	35	4.4	0
27/06/2023 09:10	2.7	108	30	4.4	0
27/06/2023 09:20	2.6	108	33	4.5	0
27/06/2023 09:30	2.9	106	26	4.6	0
27/06/2023 09:40	2.8	104	36	4.6	0
27/06/2023 09:50	3.3	111	31	5.7	0
27/06/2023 10:00	2.9	109	40	4.8	0
27/06/2023 10:10	2.8	107	38	5.2	0
27/06/2023 10:20	3.1	112	30	4.8	0
27/06/2023 10:30	2.7	111	31	4.8	0
27/06/2023 10:40	3.1	114	36	5.3	0
27/06/2023 10:50	2.8	107	33	5.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/06/2023 11:00	3.1	110	32	5.6	0
27/06/2023 11:10	2.9	119	32	4.9	0
27/06/2023 11:20	3	125	28	5.5	0
27/06/2023 11:30	2.9	128	31	4.4	0
27/06/2023 11:40	2.7	105	31	4.6	0
27/06/2023 11:50	2.4	109	36	4.1	0
27/06/2023 12:00	2.6	103	24	4	0
27/06/2023 12:10	2.5	107	33	3.8	0
27/06/2023 12:20	2.6	98	26	4	0
27/06/2023 12:30	2.6	101	27	4.4	0
27/06/2023 12:40	2.4	110	31	4.3	0
27/06/2023 12:50	2.7	86	29	4.6	0
27/06/2023 13:00	2.5	92	28	4.2	0
27/06/2023 13:10	2.3	74	25	3.9	0
27/06/2023 13:20	2.1	79	24	3.6	0
27/06/2023 13:30	2.5	65	32	4.1	0
27/06/2023 13:40	2.7	61	22	4.7	0
27/06/2023 13:50	2.9	61	24	4.5	0
27/06/2023 14:00	2.7	68	23	4.7	0
27/06/2023 14:10	2.7	59	19	4.2	0
27/06/2023 14:20	2.8	55	23	4.2	0
27/06/2023 14:30	2.4	59	21	4.2	0
27/06/2023 14:40	2.7	59	24	4.4	0
27/06/2023 14:50	2.7	63	23	4.2	0
27/06/2023 15:00	2.7	53	23	4.4	0
27/06/2023 15:10	2.8	54	21	5	0
27/06/2023 15:20	2.8	54	21	4.2	0
27/06/2023 15:30	2.8	59	19	4.7	0
27/06/2023 15:40	2.7	60	25	4.9	0
27/06/2023 15:50	2.8	56	19	4.3	0
27/06/2023 16:00	2.7	57	18	4.7	0
27/06/2023 16:10	2.6	48	21	4	0
27/06/2023 16:20	2.5	44	23	4.1	0
27/06/2023 16:30	2.5	51	23	4.8	0
27/06/2023 16:40	2.5	50	19	4.1	0
27/06/2023 16:50	2.8	48	17	4.5	0
27/06/2023 17:00	2.6	49	18	3.7	0
27/06/2023 17:10	2	47	17	3.2	0
27/06/2023 17:20	2.2	46	19	3.5	0
27/06/2023 17:30	2.2	45	16	3.8	0
27/06/2023 17:40	1.9	43	18	2.9	0
27/06/2023 17:50	1.7	42	17	2.7	0
27/06/2023 18:00	1.7	42	19	2.4	0
27/06/2023 18:10	1.7	42	20	2.7	0
27/06/2023 18:20	1.7	40	20	2.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/06/2023 18:30	1.9	44	18	2.8	0
27/06/2023 18:40	1.8	42	19	3.2	0
27/06/2023 18:50	2	46	19	3	0
27/06/2023 19:00	1.6	41	21	2.7	0
27/06/2023 19:10	1.7	52	24	3.2	0
27/06/2023 19:20	1.9	57	19	3.3	0
27/06/2023 19:30	2	60	26	3.5	0
27/06/2023 19:40	2.1	58	26	3.6	0
27/06/2023 19:50	1.9	67	24	3.2	0
27/06/2023 20:00	2	80	21	3.1	0
27/06/2023 20:10	2.4	87	24	4.2	0
27/06/2023 20:20	2.1	103	36	4.4	0
27/06/2023 20:30	1.9	98	37	3.7	0
27/06/2023 20:40	2.2	121	29	4.2	0
27/06/2023 20:50	2.3	130	30	3.6	0
27/06/2023 21:00	1.7	137	31	3.2	0
27/06/2023 21:10	1.3	137	33	2.7	0
27/06/2023 21:20	2.1	135	31	3.8	0
27/06/2023 21:30	2	140	32	3.4	0
27/06/2023 21:40	1.9	135	32	3.5	0
27/06/2023 21:50	2.5	116	35	4.6	0
27/06/2023 22:00	2.5	116	30	4.8	0
27/06/2023 22:10	2.9	118	36	4.9	0
27/06/2023 22:20	2.5	109	30	5	0
27/06/2023 22:30	2.8	111	33	4.6	0
27/06/2023 22:40	2.6	112	31	4.4	0
27/06/2023 22:50	2.3	117	31	4.5	0
27/06/2023 23:00	2.4	111	34	4.5	0
27/06/2023 23:10	2.2	106	35	4	0
27/06/2023 23:20	2	117	36	4.2	0
27/06/2023 23:30	2.6	116	33	4.9	0
27/06/2023 23:40	1.9	116	36	3.3	0
27/06/2023 23:50	2.2	116	31	4.4	0
28/06/2023 00:00	2.6	116	31	4.5	0
28/06/2023 00:10	2.7	119	35	6.4	0
28/06/2023 00:20	2.4	117	34	4.3	0
28/06/2023 00:30	2.2	120	36	4.4	0
28/06/2023 00:40	2.8	117	31	5.1	0
28/06/2023 00:50	2.6	111	34	4.6	0
28/06/2023 01:00	2.3	120	39	4	0
28/06/2023 01:10	2.3	114	36	4.3	0
28/06/2023 01:20	2.4	115	28	3.9	0
28/06/2023 01:30	2.5	112	34	4.4	0
28/06/2023 01:40	2.5	116	32	4.2	0
28/06/2023 01:50	2.3	115	32	4	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/06/2023 02:00	2.1	115	32	4	0
28/06/2023 02:10	2.6	115	32	4.9	0
28/06/2023 02:20	2.9	113	31	4.8	0
28/06/2023 02:30	2.7	108	29	4.8	0
28/06/2023 02:40	2.6	115	32	4.7	0
28/06/2023 02:50	2.9	112	31	5.7	0
28/06/2023 03:00	2.9	110	31	4.7	0
28/06/2023 03:10	3.1	110	32	5.4	0
28/06/2023 03:20	2.9	113	32	4.8	0
28/06/2023 03:30	2.4	123	33	4.8	0
28/06/2023 03:40	3.1	120	35	5.3	0
28/06/2023 03:50	2.7	119	33	5.3	0
28/06/2023 04:00	2.9	122	34	5.6	0
28/06/2023 04:10	2.5	129	29	5	0
28/06/2023 04:20	2.8	121	34	5.2	0
28/06/2023 04:30	2.7	114	37	4.3	0
28/06/2023 04:40	2.9	117	28	4.9	0
28/06/2023 04:50	2.4	113	33	4.1	0
28/06/2023 05:00	2.7	99	34	5.2	0
28/06/2023 05:10	2.9	112	34	4.9	0
28/06/2023 05:20	2.8	107	37	4.8	0
28/06/2023 05:30	3	108	30	5.6	0
28/06/2023 05:40	3.3	102	37	5.7	0
28/06/2023 05:50	3.3	104	32	5.7	0
28/06/2023 06:00	3.2	111	33	5.2	0
28/06/2023 06:10	2.9	105	35	5.6	0
28/06/2023 06:20	3.2	110	36	5.6	0
28/06/2023 06:30	3.5	120	33	5.5	0
28/06/2023 06:40	3.1	105	38	5.2	0
28/06/2023 06:50	2.9	95	32	5	0
28/06/2023 07:00	3.2	107	38	5.5	0
28/06/2023 07:10	3.4	113	38	6	0
28/06/2023 07:20	3.5	114	34	5.5	0
28/06/2023 07:30	3.2	116	37	5.4	0
28/06/2023 07:40	3.4	116	36	5.5	0
28/06/2023 07:50	3.3	108	35	6.7	0
28/06/2023 08:00	3	113	34	5.3	0
28/06/2023 08:10	3.2	107	34	5.9	0
28/06/2023 08:20	4	105	36	6.2	0
28/06/2023 08:30	3.5	111	29	5.8	0
28/06/2023 08:40	3.6	105	30	6.1	0
28/06/2023 08:50	3.6	108	31	6.1	0
28/06/2023 09:00	3.6	112	29	6.2	0
28/06/2023 09:10	3.5	113	36	6	0
28/06/2023 09:20	3.6	116	33	5.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/06/2023 09:30	3.5	103	36	6.2	0
28/06/2023 09:40	4.2	103	36	7.9	0
28/06/2023 09:50	4.1	94	27	7.9	0
28/06/2023 10:00	3.9	108	35	6.8	0
28/06/2023 10:10	3.4	103	28	5.9	0
28/06/2023 10:20	3.7	115	29	6	0
28/06/2023 10:30	3.7	117	35	6.3	0
28/06/2023 10:40	3.4	113	37	5.9	0
28/06/2023 10:50	3.9	99	29	6.5	0
28/06/2023 11:00	4	110	31	6.6	0
28/06/2023 11:10	3.8	101	31	7.5	0
28/06/2023 11:20	3.8	98	28	6.3	0
28/06/2023 11:30	3.4	103	29	5.6	0
28/06/2023 11:40	3.8	105	37	6.8	0
28/06/2023 11:50	3.6	100	34	6	0
28/06/2023 12:00	3.6	105	31	6.2	0
28/06/2023 12:10	3.2	98	29	5.1	0
28/06/2023 12:20	3.5	99	27	6.2	0
28/06/2023 12:30	3	107	32	4.6	0
28/06/2023 12:40	3.1	101	31	5.2	0
28/06/2023 12:50	3.3	103	30	5.9	0
28/06/2023 13:00	3	100	26	4.8	0
28/06/2023 13:10	2.8	97	29	4.5	0
28/06/2023 13:20	2.9	92	32	4.9	0
28/06/2023 13:30	2.9	89	29	4.7	0
28/06/2023 13:40	3	80	22	4.7	0
28/06/2023 13:50	3	76	23	4.5	0
28/06/2023 14:00	2.8	81	28	5.1	0
28/06/2023 14:10	2.9	86	24	4.4	0
28/06/2023 14:20	2.7	84	27	4.7	0
28/06/2023 14:30	2.8	83	24	4.4	0
28/06/2023 14:40	2.8	67	28	4.4	0
28/06/2023 14:50	2.8	64	20	4.7	0
28/06/2023 15:00	2.9	61	23	5	0
28/06/2023 15:10	2.7	57	24	4.4	0
28/06/2023 15:20	2.7	59	25	4.7	0
28/06/2023 15:30	2.4	63	21	4.2	0
28/06/2023 15:40	2.4	67	27	3.9	0
28/06/2023 15:50	2.8	56	24	5.1	0
28/06/2023 16:00	2.5	54	25	4.1	0
28/06/2023 16:10	2.5	54	21	4.3	0
28/06/2023 16:20	2.2	57	23	3.6	0
28/06/2023 16:30	2	56	22	3.7	0
28/06/2023 16:40	2.3	51	24	3.6	0
28/06/2023 16:50	2.2	53	18	3.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/06/2023 17:00	2	49	20	3.4	0
28/06/2023 17:10	2	40	19	3.2	0
28/06/2023 17:20	1.8	41	18	3	0
28/06/2023 17:30	1.7	35	17	2.5	0
28/06/2023 17:40	1.5	39	20	2.4	0
28/06/2023 17:50	1.6	37	19	2.3	0
28/06/2023 18:00	1.7	42	18	2.8	0
28/06/2023 18:10	1.4	40	20	2.2	0
28/06/2023 18:20	1.2	39	22	1.7	0
28/06/2023 18:30	1	60	32	1.7	0
28/06/2023 18:40	1.6	85	33	3.1	0
28/06/2023 18:50	2	99	30	3.6	0
28/06/2023 19:00	1.9	94	25	3.6	0
28/06/2023 19:10	1.6	98	37	3.5	0
28/06/2023 19:20	2	94	33	3.6	0
28/06/2023 19:30	2.1	99	30	3.9	0
28/06/2023 19:40	2	97	28	3.6	0
28/06/2023 19:50	2.1	97	34	3.6	0
28/06/2023 20:00	1.9	91	33	3.5	0
28/06/2023 20:10	2.2	94	29	4	0
28/06/2023 20:20	2.4	91	28	4.8	0
28/06/2023 20:30	2.2	91	29	3.7	0
28/06/2023 20:40	2.3	85	20	3.5	0
28/06/2023 20:50	2.3	87	32	4	0
28/06/2023 21:00	2.3	101	35	4.8	0
28/06/2023 21:10	2.7	96	28	4	0
28/06/2023 21:20	2.7	92	31	4.2	0
28/06/2023 21:30	2.7	94	31	4.8	0
28/06/2023 21:40	2.5	101	28	4.5	0
28/06/2023 21:50	3	98	32	5.2	0
28/06/2023 22:00	3.4	94	30	5.1	0
28/06/2023 22:10	2.6	104	34	4.3	0
28/06/2023 22:20	2.7	103	31	4.1	0
28/06/2023 22:30	2.5	100	32	4.7	0
28/06/2023 22:40	2.7	111	36	4.4	0
28/06/2023 22:50	2.7	110	34	4.6	0
28/06/2023 23:00	2.4	109	33	4.1	0
28/06/2023 23:10	2.2	112	30	4	0
28/06/2023 23:20	1.8	112	31	3.1	0
28/06/2023 23:30	1.6	118	35	2.8	0
28/06/2023 23:40	2.2	121	34	3.9	0
28/06/2023 23:50	2.1	113	34	3.7	0
29/06/2023 00:00	2.2	113	30	3.6	0
29/06/2023 00:10	1.9	117	36	3.2	0
29/06/2023 00:20	1.9	120	30	3.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/06/2023 00:30	2.2	123	25	3.2	0
29/06/2023 00:40	2.2	121	28	3.4	0
29/06/2023 00:50	2	124	29	3.4	0
29/06/2023 01:00	2.1	120	33	4.4	0
29/06/2023 01:10	2.1	123	33	3.8	0
29/06/2023 01:20	2.1	113	33	4	0
29/06/2023 01:30	2	117	33	3.6	0
29/06/2023 01:40	2.4	115	34	4	0
29/06/2023 01:50	2	114	30	4	0
29/06/2023 02:00	2.1	116	36	4.1	0
29/06/2023 02:10	1.9	110	38	4	0
29/06/2023 02:20	2.1	112	33	3.6	0
29/06/2023 02:30	2.1	112	34	3.4	0
29/06/2023 02:40	2.3	112	36	3.7	0
29/06/2023 02:50	1.9	112	43	4.1	0
29/06/2023 03:00	2.4	113	34	4.4	0
29/06/2023 03:10	2.5	109	30	4.7	0
29/06/2023 03:20	2.4	110	36	4.1	0
29/06/2023 03:30	2.3	110	33	3.9	0
29/06/2023 03:40	2.5	117	35	4.7	0
29/06/2023 03:50	2.3	112	28	3.7	0
29/06/2023 04:00	2.4	120	28	3.9	0
29/06/2023 04:10	2.8	121	23	4.7	0
29/06/2023 04:20	2.8	117	29	4.8	0
29/06/2023 04:30	2.7	119	30	5.1	0
29/06/2023 04:40	2.9	111	28	4.7	0
29/06/2023 04:50	2.5	118	32	4.6	0
29/06/2023 05:00	2.6	112	34	4.7	0
29/06/2023 05:10	2.4	118	32	4.4	0
29/06/2023 05:20	3	119	27	5.5	0
29/06/2023 05:30	3.1	112	32	5.6	0
29/06/2023 05:40	2.6	116	33	4.9	0
29/06/2023 05:50	2.8	121	30	4.4	0
29/06/2023 06:00	2.8	115	31	5.2	0
29/06/2023 06:10	2.9	121	31	4.3	0
29/06/2023 06:20	2.9	112	29	5.5	0
29/06/2023 06:30	3	116	31	5.4	0
29/06/2023 06:40	2.9	113	30	4.8	0
29/06/2023 06:50	2.9	116	29	5.3	0
29/06/2023 07:00	3.1	115	37	5.8	0
29/06/2023 07:10	3	128	32	5.2	0
29/06/2023 07:20	3.1	124	32	5.6	0
29/06/2023 07:30	3.3	120	34	5.3	0
29/06/2023 07:40	3.3	121	29	5.3	0
29/06/2023 07:50	3.4	121	33	5.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/06/2023 08:00	3.6	122	27	6.8	0
29/06/2023 08:10	3.2	122	32	5.8	0
29/06/2023 08:20	3.2	105	33	5.2	0
29/06/2023 08:30	3.3	108	32	5.5	0
29/06/2023 08:40	3.7	121	27	6.3	0
29/06/2023 08:50	3.6	114	31	5.6	0
29/06/2023 09:00	3.7	114	29	6.6	0
29/06/2023 09:10	3.9	109	26	6.2	0
29/06/2023 09:20	3.6	108	34	5.5	0
29/06/2023 09:30	3.7	113	35	6.5	0
29/06/2023 09:40	4	107	32	6.8	0
29/06/2023 09:50	4.2	104	32	6.9	0
29/06/2023 10:00	3.6	103	33	6.3	0
29/06/2023 10:10	3.7	99	30	7.5	0
29/06/2023 10:20	4.1	105	35	7.4	0
29/06/2023 10:30	4.2	103	30	7.1	0
29/06/2023 10:40	3.9	98	29	6.2	0
29/06/2023 10:50	3.7	103	30	6.4	0
29/06/2023 11:00	4	96	30	6.5	0
29/06/2023 11:10	3.8	100	28	7	0
29/06/2023 11:20	3.6	105	32	6.4	0
29/06/2023 11:30	3.5	100	40	5.9	0
29/06/2023 11:40	3.7	110	32	5.7	0
29/06/2023 11:50	3.5	106	32	6	0
29/06/2023 12:00	3.8	97	24	6.1	0
29/06/2023 12:10	3.3	99	33	5.7	0
29/06/2023 12:20	3.1	111	39	4.8	0
29/06/2023 12:30	3.4	104	31	5.7	0
29/06/2023 12:40	3.2	119	36	5.3	0
29/06/2023 12:50	3.5	122	34	5.9	0
29/06/2023 13:00	3.1	109	35	4.8	0
29/06/2023 13:10	3.4	108	29	5.1	0
29/06/2023 13:20	3	117	34	5.1	0
29/06/2023 13:30	3.1	119	33	5.6	0
29/06/2023 13:40	3.1	121	34	4.9	0
29/06/2023 13:50	3.3	125	30	5.5	0
29/06/2023 14:00	3.4	117	31	5.3	0
29/06/2023 14:10	2.8	116	28	4.9	0
29/06/2023 14:20	3.1	119	35	4.9	0
29/06/2023 14:30	3.2	108	32	5.1	0
29/06/2023 14:40	3	103	29	5	0
29/06/2023 14:50	3	116	29	5.2	0
29/06/2023 15:00	2.8	112	29	5.1	0
29/06/2023 15:10	2.9	109	29	4.7	0
29/06/2023 15:20	2.3	116	32	3.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/06/2023 15:30	2.8	111	34	4.8	0
29/06/2023 15:40	2.5	117	37	4.6	0
29/06/2023 15:50	2.4	110	31	3.9	0
29/06/2023 16:00	2.6	109	33	4	0
29/06/2023 16:10	2.5	118	28	4.2	0
29/06/2023 16:20	1.9	111	31	3.1	0
29/06/2023 16:30	2.1	124	33	3.6	0
29/06/2023 16:40	2.2	124	28	4	0
29/06/2023 16:50	1.9	119	32	3.4	0
29/06/2023 17:00	2	120	32	3.3	0
29/06/2023 17:10	1.8	121	34	3.2	0
29/06/2023 17:20	1.8	121	27	3	0
29/06/2023 17:30	1.8	112	39	4	0
29/06/2023 17:40	1.5	106	45	2.8	0
29/06/2023 17:50	1.6	100	36	2.7	0
29/06/2023 18:00	1.5	100	37	2.2	0
29/06/2023 18:10	1.5	99	34	3	0
29/06/2023 18:20	1.6	96	31	2.8	0
29/06/2023 18:30	1.6	100	33	2.6	0
29/06/2023 18:40	1.2	102	41	2.5	0
29/06/2023 18:50	1.2	93	33	2.3	0
29/06/2023 19:00	1.2	99	36	2.1	0
29/06/2023 19:10	1.5	102	38	2.9	0
29/06/2023 19:20	1.5	102	33	2.5	0
29/06/2023 19:30	1.6	100	29	2.4	0
29/06/2023 19:40	1.4	100	36	2.5	0
29/06/2023 19:50	1.9	91	24	3.4	0
29/06/2023 20:00	2	94	31	3.9	0
29/06/2023 20:10	2	95	28	4.6	0
29/06/2023 20:20	2	100	27	3.3	0
29/06/2023 20:30	2.1	94	29	3.2	0
29/06/2023 20:40	2.3	98	34	3.6	0
29/06/2023 20:50	2.2	96	31	3.5	0
29/06/2023 21:00	1.9	102	28	4.1	0
29/06/2023 21:10	2.1	108	30	3.4	0
29/06/2023 21:20	2.2	105	37	4	0
29/06/2023 21:30	2.2	115	33	3.7	0
29/06/2023 21:40	2.1	121	32	4	0
29/06/2023 21:50	2.2	124	27	3.8	0
29/06/2023 22:00	2.6	122	25	4.1	0
29/06/2023 22:10	2.4	119	29	4	0
29/06/2023 22:20	2.4	125	27	4.1	0
29/06/2023 22:30	2.3	126	28	4	0
29/06/2023 22:40	2.1	126	26	3.6	0
29/06/2023 22:50	2.2	132	26	3.2	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/06/2023 23:00	2.2	132	32	3.7	0
29/06/2023 23:10	2.2	130	31	3.7	0
29/06/2023 23:20	1.7	133	28	3.1	0
29/06/2023 23:30	1.8	136	29	3.7	0
29/06/2023 23:40	1.7	134	30	3	0
29/06/2023 23:50	1.9	135	29	3.2	0
30/06/2023 00:00	2.2	128	27	3.3	0
07/01/2023 00:10	1.9	124	30	3.2	0
07/01/2023 00:20	2	124	28	3.3	0
07/01/2023 00:30	2.1	129	36	4	0
07/01/2023 00:40	2.4	126	28	4.1	0
07/01/2023 00:50	2.4	126	31	4.6	0
07/01/2023 01:00	2.4	123	29	4.2	0
07/01/2023 01:10	2.3	128	30	4	0
07/01/2023 01:20	2.4	123	30	4.3	0
07/01/2023 01:30	2.7	120	31	4.4	0
07/01/2023 01:40	2.5	123	28	3.8	0
07/01/2023 01:50	2.4	119	25	3.8	0
07/01/2023 02:00	2.6	124	29	4.4	0
07/01/2023 02:10	2.6	113	28	4.6	0
07/01/2023 02:20	2.8	114	33	4.7	0
07/01/2023 02:30	2.9	111	32	5.1	0
07/01/2023 02:40	2.7	112	37	5.1	0
07/01/2023 02:50	3	107	36	5.9	0
07/01/2023 03:00	3.3	116	33	6	0
07/01/2023 03:10	3.1	108	31	5.5	0
07/01/2023 03:20	3.6	106	29	6.2	0
07/01/2023 03:30	3.6	107	30	6.4	0
07/01/2023 03:40	3.3	110	37	5.9	0
07/01/2023 03:50	3.6	107	33	6	0
07/01/2023 04:00	4	114	33	6.4	0
07/01/2023 04:10	4.1	109	33	7.1	0
07/01/2023 04:20	4.2	116	33	6.5	0
07/01/2023 04:30	3.9	109	35	6.7	0
07/01/2023 04:40	3.9	106	29	7.4	0
07/01/2023 04:50	4.3	104	32	7.4	0
07/01/2023 05:00	4.1	103	27	7.4	0
07/01/2023 05:10	4	100	25	6.6	0
07/01/2023 05:20	4.4	102	24	7.4	0
07/01/2023 05:30	3.7	110	29	6.6	0
07/01/2023 05:40	3.5	106	36	6.6	0
07/01/2023 05:50	3.6	105	29	6	0
07/01/2023 06:00	3.3	108	30	5.8	0
07/01/2023 06:10	3.4	116	32	5.6	0
07/01/2023 06:20	3.5	112	34	5.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/01/2023 06:30	3.7	109	31	6.7	0
07/01/2023 06:40	3.4	109	31	6	0
07/01/2023 06:50	3.5	111	29	6	0
07/01/2023 07:00	3.3	110	33	6.4	0
07/01/2023 07:10	3.1	106	34	5.5	0
07/01/2023 07:20	3.3	109	33	6.3	0
07/01/2023 07:30	3.4	111	34	6	0
07/01/2023 07:40	3.8	104	31	6.4	0
07/01/2023 07:50	3.7	108	33	6	0
07/01/2023 08:00	3.7	111	28	6.8	0
07/01/2023 08:10	3.6	115	35	5.7	0
07/01/2023 08:20	3.6	115	34	6.1	0
07/01/2023 08:30	3.6	114	32	6.4	0
07/01/2023 08:40	3.7	109	31	5.8	0
07/01/2023 08:50	3.8	116	29	6.4	0
07/01/2023 09:00	3.9	104	34	7.2	0
07/01/2023 09:10	3.6	110	30	6.3	0
07/01/2023 09:20	3.7	111	33	5.9	0
07/01/2023 09:30	3.6	102	36	6.8	0
07/01/2023 09:40	4	97	31	6.5	0
07/01/2023 09:50	3.9	101	28	6.3	0
07/01/2023 10:00	3.7	99	25	6.5	0
07/01/2023 10:10	3.9	98	28	6.4	0
07/01/2023 10:20	3.4	100	33	5.7	0
07/01/2023 10:30	3.4	107	33	6.1	0
07/01/2023 10:40	3.9	103	31	6.8	0
07/01/2023 10:50	3.7	97	28	7.2	0
07/01/2023 11:00	4.5	90	29	7	0
07/01/2023 11:10	4.5	92	26	8.2	0
07/01/2023 11:20	5	91	21	7.5	0
07/01/2023 11:30	4.7	86	26	7	0
07/01/2023 11:40	5.1	92	23	8.7	0
07/01/2023 11:50	4.9	90	21	7.9	0
07/01/2023 12:00	4.5	90	24	7.2	0
07/01/2023 12:10	3.7	83	23	6.1	0
07/01/2023 12:20	4.1	81	24	6.1	0
07/01/2023 12:30	4.6	74	20	7.4	0
07/01/2023 12:40	4.1	80	20	6.5	0
07/01/2023 12:50	4.3	79	23	7.2	0
07/01/2023 13:00	4.4	78	21	7.5	0
07/01/2023 13:10	3.9	85	27	6	0
07/01/2023 13:20	3.7	84	24	5.6	0
07/01/2023 13:30	3.6	77	30	5.6	0
07/01/2023 13:40	3.3	68	23	5.6	0
07/01/2023 13:50	3.1	72	24	5	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/01/2023 14:00	3.1	70	22	4.7	0
07/01/2023 14:10	3.1	79	25	5	0
07/01/2023 14:20	2.9	86	28	4.6	0
07/01/2023 14:30	2.9	73	24	4.3	0
07/01/2023 14:40	2.7	67	25	4.3	0
07/01/2023 14:50	2.8	62	23	5.1	0
07/01/2023 15:00	2.8	66	25	4.4	0
07/01/2023 15:10	2.5	61	22	4.1	0
07/01/2023 15:20	2.6	57	24	4.5	0
07/01/2023 15:30	2.6	57	24	4.6	0
07/01/2023 15:40	2	69	21	3.6	0
07/01/2023 15:50	2.2	63	24	3.8	0
07/01/2023 16:00	2.1	69	25	3.4	0
07/01/2023 16:10	2.1	71	22	3.2	0
07/01/2023 16:20	1.9	65	24	3.2	0
07/01/2023 16:30	1.7	83	29	2.8	0
07/01/2023 16:40	2	71	29	3	0
07/01/2023 16:50	1.7	58	21	3.3	0
07/01/2023 17:00	1.5	100	36	3.2	0
07/01/2023 17:10	1.8	106	29	3.6	0
07/01/2023 17:20	1.6	98	29	2.8	0
07/01/2023 17:30	1.5	112	39	3.1	0
07/01/2023 17:40	1.2	81	31	2.4	0
07/01/2023 17:50	0.9	75	35	1.6	0
07/01/2023 18:00	1.2	104	36	2	0
07/01/2023 18:10	1.7	117	36	3.2	0
07/01/2023 18:20	1.5	112	38	2.8	0
07/01/2023 18:30	1.2	114	32	2.4	0
07/01/2023 18:40	1	121	46	1.8	0
07/01/2023 18:50	1.2	117	38	2.6	0
07/01/2023 19:00	0.9	123	45	2.3	0
07/01/2023 19:10	0.9	110	36	1.8	0
07/01/2023 19:20	0.4	145	28	1.2	0
07/01/2023 19:30	0.2	179	15	0.8	0
07/01/2023 19:40	0.2	146	7	0.7	0
07/01/2023 19:50	0.1	91	15	0.6	0
07/01/2023 20:00					0
07/01/2023 20:10	0.1	113	17	0.8	0
07/01/2023 20:20	0.1	131	6	0.6	0
07/01/2023 20:30	0.1	213	13	0.6	0
07/01/2023 20:40	0	193	1	0.4	0
07/01/2023 20:50					0
07/01/2023 21:00	0	89	8	0.6	0
07/01/2023 21:10	0.1	75	6	0.5	0
07/01/2023 21:20	0	89	1	0.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/01/2023 21:30					0
07/01/2023 21:40	0.4	147	20	1.4	0
07/01/2023 21:50	0.1	35	12	0.6	0
07/01/2023 22:00	0.2	53	19	0.8	0
07/01/2023 22:10	0.1	94	17	0.6	0
07/01/2023 22:20	0.2	122	11	0.8	0
07/01/2023 22:30	0.1	175	24	0.6	0
07/01/2023 22:40	0.5	159	28	1.3	0
07/01/2023 22:50	0.8	100	27	1.4	0
07/01/2023 23:00	0.6	95	37	1.2	0
07/01/2023 23:10	0.1	111	15	0.8	0
07/01/2023 23:20	0.3	128	23	1.4	0
07/01/2023 23:30	0.8	134	30	2	0
07/01/2023 23:40	1.2	136	28	2.3	0
07/01/2023 23:50	1	124	34	2	0
07/02/2023 00:00	1.2	126	32	2.4	0
07/02/2023 00:10	1.5	126	31	2.8	0
07/02/2023 00:20	1.8	123	28	3.2	0
07/02/2023 00:30	2	117	24	3.7	0
07/02/2023 00:40	1.8	124	31	3.2	0
07/02/2023 00:50	1.9	118	29	3.2	0
07/02/2023 01:00	2	112	33	3.6	0
07/02/2023 01:10	2.3	121	33	4	0
07/02/2023 01:20	2.2	115	32	3.9	0
07/02/2023 01:30	2.3	115	34	3.7	0
07/02/2023 01:40	2.4	114	35	4.4	0
07/02/2023 01:50	2.4	110	33	4.4	0
07/02/2023 02:00	2.6	106	29	4.4	0
07/02/2023 02:10	2.8	112	30	4.8	0
07/02/2023 02:20	2.8	106	31	4.6	0
07/02/2023 02:30	3	113	34	5.2	0
07/02/2023 02:40	2.8	102	38	5	0
07/02/2023 02:50	3.1	111	34	5.3	0
07/02/2023 03:00	2.9	109	36	5.2	0
07/02/2023 03:10	3.3	114	37	5.2	0
07/02/2023 03:20	3.3	102	31	5.4	0
07/02/2023 03:30	3.2	103	34	5.4	0
07/02/2023 03:40	3.3	109	31	5.4	0
07/02/2023 03:50	2.8	105	34	4.6	0
07/02/2023 04:00	3.1	111	36	5.2	0
07/02/2023 04:10	3.2	101	29	5.1	0
07/02/2023 04:20	3.3	105	34	5.6	0
07/02/2023 04:30	3.4	98	29	6	0
07/02/2023 04:40	3.2	106	32	5.5	0
07/02/2023 04:50	3.6	96	29	6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/02/2023 05:00	3.7	98	31	6.4	0
07/02/2023 05:10	4	94	26	6.7	0
07/02/2023 05:20	3.3	98	33	5.6	0
07/02/2023 05:30	4	96	28	6.9	0
07/02/2023 05:40	3.7	103	30	6.4	0
07/02/2023 05:50	3.9	96	31	7.2	0
07/02/2023 06:00	4.2	96	24	6.9	0
07/02/2023 06:10	4.2	100	32	6.8	0
07/02/2023 06:20	4	105	30	6.4	0
07/02/2023 06:30	3.9	103	29	6.6	0
07/02/2023 06:40	4.1	96	24	7.2	0
07/02/2023 06:50	3.7	93	28	6.9	0
07/02/2023 07:00	3.7	98	32	6.7	0
07/02/2023 07:10	3.9	95	29	6.8	0
07/02/2023 07:20	3.7	98	31	6.8	0
07/02/2023 07:30	3.5	97	27	6.2	0
07/02/2023 07:40	3.6	96	31	5.5	0
07/02/2023 07:50	3.5	99	30	5.8	0
07/02/2023 08:00	2.9	98	37	5.2	0
07/02/2023 08:10	3	91	31	5.5	0
07/02/2023 08:20	3.5	93	27	5.4	0
07/02/2023 08:30	3.5	94	27	6.8	0
07/02/2023 08:40	2.8	93	31	5.9	0
07/02/2023 08:50	3.5	96	28	6	0
07/02/2023 09:00	4.1	88	25	6.4	0
07/02/2023 09:10	4	82	23	6.5	0
07/02/2023 09:20	3.6	89	24	6.6	0
07/02/2023 09:30	3.9	82	21	6	0
07/02/2023 09:40	4.5	83	19	6.5	0
07/02/2023 09:50	3.6	85	31	6.2	0
07/02/2023 10:00	4.3	85	22	6.8	0
07/02/2023 10:10	4.3	87	24	6.3	0
07/02/2023 10:20	4.1	93	27	6.4	0
07/02/2023 10:30	4.1	86	24	6.7	0
07/02/2023 10:40	4.1	85	27	6.5	0
07/02/2023 10:50	4.1	83	23	7.3	0
07/02/2023 11:00	4.1	85	23	7.1	0
07/02/2023 11:10	3.8	92	28	6.1	0
07/02/2023 11:20	3.7	87	26	6.4	0
07/02/2023 11:30	3.8	83	23	5.5	0
07/02/2023 11:40	3.6	87	25	5.6	0
07/02/2023 11:50	3.3	77	23	5.5	0
07/02/2023 12:00	3.7	83	21	5.6	0
07/02/2023 12:10	3.6	76	26	6	0
07/02/2023 12:20	3.2	72	23	5.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/02/2023 12:30	3.2	81	22	6	0
07/02/2023 12:40	3.3	79	20	5.1	0
07/02/2023 12:50	3.1	89	26	5.5	0
07/02/2023 13:00	2.9	76	23	5.2	0
07/02/2023 13:10	2.9	70	24	5.2	0
07/02/2023 13:20	2.8	65	24	4.2	0
07/02/2023 13:30	3.1	54	20	5	0
07/02/2023 13:40	2.8	60	26	5	0
07/02/2023 13:50	3	59	21	4.8	0
07/02/2023 14:00	3	54	21	4.8	0
07/02/2023 14:10	2.9	60	22	4.7	0
07/02/2023 14:20	2.8	66	24	4.2	0
07/02/2023 14:30	2.8	67	21	4.6	0
07/02/2023 14:40	2.5	64	21	3.8	0
07/02/2023 14:50	2.5	64	25	4	0
07/02/2023 15:00	2.4	60	23	4.4	0
07/02/2023 15:10	2.5	50	22	4.3	0
07/02/2023 15:20	2.5	47	20	3.9	0
07/02/2023 15:30	2	55	28	3.8	0
07/02/2023 15:40	2.1	57	23	3.4	0
07/02/2023 15:50	2.1	58	24	3.1	0
07/02/2023 16:00	1.9	51	20	3.3	0
07/02/2023 16:10	1.8	68	21	2.8	0
07/02/2023 16:20	1.8	64	22	2.9	0
07/02/2023 16:30	1.7	55	19	2.6	0
07/02/2023 16:40	1.6	52	18	2.6	0
07/02/2023 16:50	1.6	44	18	2.5	0
07/02/2023 17:00	1.4	39	17	2	0
07/02/2023 17:10	1.3	31	16	1.9	0
07/02/2023 17:20	1.2	39	15	1.8	0
07/02/2023 17:30	1.1	25	30	1.8	0
07/02/2023 17:40	1.2	344	33	2	0
07/02/2023 17:50	1.5	327	23	2.5	0
07/02/2023 18:00	1.4	328	23	2.2	0
07/02/2023 18:10	1.6	348	23	2.4	0
07/02/2023 18:20	1.5	336	24	2.4	0
07/02/2023 18:30	1.6	336	16	2.5	0
07/02/2023 18:40	1.4	334	20	2	0
07/02/2023 18:50	1	342	23	1.6	0
07/02/2023 19:00	0.9	343	20	1.6	0
07/02/2023 19:10	1	328	23	1.8	0
07/02/2023 19:20	0.9	332	18	1.5	0
07/02/2023 19:30	1	330	23	1.5	0
07/02/2023 19:40	0.9	324	17	1.4	0
07/02/2023 19:50	1	326	15	1.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/02/2023 20:00	0.2	231	26	0.8	0
07/02/2023 20:10	0.2	9	13	0.6	0
07/02/2023 20:20	0.2	253	11	0.7	0
07/02/2023 20:30	0.2	184	34	0.7	0
07/02/2023 20:40	0	302	1	0.4	0
07/02/2023 20:50	0.3	345	11	0.8	0
07/02/2023 21:00	0.3	1	10	1	0
07/02/2023 21:10	0.7	116	11	1.9	0
07/02/2023 21:20	1.6	258	18	2.4	0
07/02/2023 21:30	1.2	252	25	1.7	0
07/02/2023 21:40	1.2	259	14	1.7	0
07/02/2023 21:50	1.4	253	12	1.9	0
07/02/2023 22:00	1.3	256	16	1.7	0
07/02/2023 22:10	1.2	256	17	1.7	0
07/02/2023 22:20	1.4	250	16	2	0
07/02/2023 22:30	1.4	244	21	2	0
07/02/2023 22:40	1.7	245	19	2.6	0
07/02/2023 22:50	1.6	246	19	2.4	0
07/02/2023 23:00	1.2	246	17	2	0
07/02/2023 23:10	1.5	245	15	2.3	0
07/02/2023 23:20	1.5	248	19	2.2	0
07/02/2023 23:30	1.4	242	15	2.1	0
07/02/2023 23:40	1.6	241	16	2.5	0
07/02/2023 23:50	1.2	249	13	1.9	0
07/03/2023 00:00	1.2	239	19	2.2	0
07/03/2023 00:10	1.1	244	16	1.6	0
07/03/2023 00:20	1.5	250	17	2.4	0
07/03/2023 00:30	1.3	233	18	2.4	0
07/03/2023 00:40	1.8	245	16	2.6	0
07/03/2023 00:50	1.7	248	16	2.5	0
07/03/2023 01:00	1.6	245	16	2.1	0
07/03/2023 01:10	1.6	251	17	2.5	0
07/03/2023 01:20	1.3	249	16	1.9	0
07/03/2023 01:30	1.4	251	15	2.1	0
07/03/2023 01:40	1.9	259	15	2.8	0
07/03/2023 01:50	1.8	251	18	2.6	0
07/03/2023 02:00	1.6	247	16	2.5	0
07/03/2023 02:10	1.2	246	19	2	0
07/03/2023 02:20	1.4	245	13	2	0
07/03/2023 02:30	0.8	246	32	1.4	0
07/03/2023 02:40	0.9	256	26	1.6	0
07/03/2023 02:50	0.9	247	19	1.6	0
07/03/2023 03:00	0.3	304	13	0.8	0
07/03/2023 03:10	0.3	358	11	0.8	0
07/03/2023 03:20	0.2	258	12	1.1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/03/2023 03:30	0.5	234	17	1.3	0
07/03/2023 03:40	0.2	228	31	1.1	0
07/03/2023 03:50	0.3	178	20	1.2	0
07/03/2023 04:00	0.5	175	45	1.3	0
07/03/2023 04:10	0.5	232	14	0.9	0
07/03/2023 04:20	1.2	222	12	1.6	0
07/03/2023 04:30	1	169	23	1.6	0
07/03/2023 04:40	0.5	237	10	0.9	0
07/03/2023 04:50	0.6	228	13	1.1	0
07/03/2023 05:00	0.2	203	14	0.8	0
07/03/2023 05:10	0.3	120	19	1.2	0
07/03/2023 05:20	0	24	10	0.5	0
07/03/2023 05:30	0.1	26	16	0.5	0
07/03/2023 05:40	0.1	34	9	0.6	0
07/03/2023 05:50	0.1	35	11	0.7	0
07/03/2023 06:00	0.4	30	18	0.8	0
07/03/2023 06:10	0.2	42	12	0.9	0
07/03/2023 06:20	0.2	33	12	1	0
07/03/2023 06:30	0.1	38	15	0.6	0
07/03/2023 06:40	0.3	36	18	0.8	0
07/03/2023 06:50	0.5	37	23	1.2	0
07/03/2023 07:00	0.3	30	15	0.8	0
07/03/2023 07:10	1	37	19	1.6	0
07/03/2023 07:20	0.6	48	18	1.2	0
07/03/2023 07:30	0.5	49	19	1.2	0
07/03/2023 07:40	0.7	54	18	1.2	0
07/03/2023 07:50	1.1	71	22	1.9	0
07/03/2023 08:00	1.3	86	18	2.4	0
07/03/2023 08:10	1.3	96	29	2	0
07/03/2023 08:20	1.5	93	27	3	0
07/03/2023 08:30	1.5	96	30	2.4	0
07/03/2023 08:40	1.7	97	26	2.5	0
07/03/2023 08:50	1.8	85	22	2.7	0
07/03/2023 09:00	1.9	81	20	3.2	0
07/03/2023 09:10	1.9	96	31	2.9	0
07/03/2023 09:20	2	95	29	3.6	0
07/03/2023 09:30	1.7	91	25	2.8	0
07/03/2023 09:40	1.7	108	27	2.7	0
07/03/2023 09:50	1.8	94	26	2.8	0
07/03/2023 10:00	2	89	27	3.6	0
07/03/2023 10:10	2.4	90	29	4.1	0
07/03/2023 10:20	2.4	88	26	3.9	0
07/03/2023 10:30	2.1	85	33	3.6	0
07/03/2023 10:40	2	100	36	3.5	0
07/03/2023 10:50	1.9	105	28	3.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/03/2023 11:00	1.8	96	35	3.4	0
07/03/2023 11:10	1.9	93	25	3	0
07/03/2023 11:20	2.1	82	23	3.1	0
07/03/2023 11:30	2	70	23	3.4	0
07/03/2023 11:40	2.3	89	21	3.9	0
07/03/2023 11:50	2	77	30	3.3	0
07/03/2023 12:00	2.1	68	29	3.6	0
07/03/2023 12:10	1.8	79	35	3.2	0
07/03/2023 12:20	2.2	90	30	3.7	0
07/03/2023 12:30	2.2	126	32	3.5	0
07/03/2023 12:40	2	139	30	3.3	0
07/03/2023 12:50	2	111	36	3.4	0
07/03/2023 13:00	2.2	96	30	3.8	0
07/03/2023 13:10	2.3	77	31	4	0
07/03/2023 13:20	2.1	92	27	3.8	0
07/03/2023 13:30	2.2	93	28	3.8	0
07/03/2023 13:40	2	70	26	3.4	0
07/03/2023 13:50	2.2	61	23	3.5	0
07/03/2023 14:00	2.3	58	22	3.5	0
07/03/2023 14:10	2.1	53	24	3.5	0
07/03/2023 14:20	2.2	58	22	3.6	0
07/03/2023 14:30	2.2	66	22	3.6	0
07/03/2023 14:40	2.3	55	22	4	0
07/03/2023 14:50	2.1	53	20	3.5	0
07/03/2023 15:00	1.6	60	28	2.8	0
07/03/2023 15:10	2	74	23	3.3	0
07/03/2023 15:20	1.8	64	23	3.1	0
07/03/2023 15:30	1.7	57	23	2.5	0
07/03/2023 15:40	1.9	56	26	2.9	0
07/03/2023 15:50	1.7	38	28	2.7	0
07/03/2023 16:00	1.4	59	24	2.4	0
07/03/2023 16:10	1.6	56	27	2.4	0
07/03/2023 16:20	1.4	53	26	2.3	0
07/03/2023 16:30	1.3	58	22	2	0
07/03/2023 16:40	1.1	57	15	1.6	0
07/03/2023 16:50	1.4	52	17	2.3	0
07/03/2023 17:00	1	44	16	1.4	0
07/03/2023 17:10	1.2	194	41	2.1	0
07/03/2023 17:20	1.8	332	24	2.8	0
07/03/2023 17:30	1.5	339	36	2.9	0
07/03/2023 17:40	1.4	327	26	2.3	0
07/03/2023 17:50	1.4	328	32	2.9	0
07/03/2023 18:00	1.2	330	30	2	0
07/03/2023 18:10	0.8	178	42	1.6	0
07/03/2023 18:20	0.7	342	36	1.6	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/03/2023 18:30	1.3	337	31	2.4	0
07/03/2023 18:40	0.9	169	39	2	0
07/03/2023 18:50	0.7	286	32	1.3	0
07/03/2023 19:00	0.4	161	22	1.1	0
07/03/2023 19:10	0.6	302	34	1.2	0
07/03/2023 19:20	0.6	316	24	1.2	0
07/03/2023 19:30	0.9	321	15	1.4	0
07/03/2023 19:40	0.2	281	25	0.8	0
07/03/2023 19:50	0.4	250	10	0.8	0
07/03/2023 20:00	0.8	312	24	1.6	0
07/03/2023 20:10	0.4	338	16	1.2	0
07/03/2023 20:20	0.4	339	18	1	0
07/03/2023 20:30	0.3	326	14	0.8	0
07/03/2023 20:40	1	250	17	1.5	0
07/03/2023 20:50	1.7	257	11	2.3	0
07/03/2023 21:00	1.8	264	12	2.3	0
07/03/2023 21:10	1.9	262	11	2.9	0
07/03/2023 21:20	2	267	19	3.1	0
07/03/2023 21:30	1.9	282	19	3.2	0
07/03/2023 21:40	2.2	266	16	3.3	0
07/03/2023 21:50	1.6	278	16	2.4	0
07/03/2023 22:00	1.7	274	15	2.6	0
07/03/2023 22:10	1.6	271	19	2.2	0
07/03/2023 22:20	1.5	279	17	2.4	0
07/03/2023 22:30	1.5	283	19	2.3	0
07/03/2023 22:40	2.1	280	20	3.3	0
07/03/2023 22:50	2	294	19	2.8	0
07/03/2023 23:00	2	300	19	3.1	0
07/03/2023 23:10	1.8	297	20	2.4	0
07/03/2023 23:20	1.8	298	20	3	0
07/03/2023 23:30	2	292	21	2.8	0
07/03/2023 23:40	2	278	18	3	0
07/03/2023 23:50	1.8	282	20	2.8	0
07/04/2023 00:00	2	276	16	3	0
07/04/2023 00:10	1.5	300	19	2.1	0
07/04/2023 00:20	1.3	249	21	1.9	0
07/04/2023 00:30	1.5	253	22	2.1	0
07/04/2023 00:40	1.5	247	23	2.3	0
07/04/2023 00:50	1.6	256	16	2.4	0
07/04/2023 01:00	1.8	263	17	2.6	0
07/04/2023 01:10	1.8	256	19	2.8	0
07/04/2023 01:20	1.7	261	18	2.6	0
07/04/2023 01:30	1.6	250	21	2.2	0
07/04/2023 01:40	1.3	245	21	2.4	0
07/04/2023 01:50	1	256	18	1.6	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/04/2023 02:00	1.2	258	22	1.9	0
07/04/2023 02:10	1.7	266	16	2.4	0
07/04/2023 02:20	1.9	273	17	2.8	0
07/04/2023 02:30	1.8	253	28	2.9	0
07/04/2023 02:40	0.1	245	20	0.8	0
07/04/2023 02:50	0.8	249	19	1.7	0
07/04/2023 03:00	1.4	199	26	2.8	0
07/04/2023 03:10	0.9	247	22	1.6	0
07/04/2023 03:20	0.4	261	36	0.9	0
07/04/2023 03:30	0.3	82	42	0.7	0
07/04/2023 03:40	0.2	227	23	1	0
07/04/2023 03:50	0.7	358	17	1.2	0
07/04/2023 04:00	0.5	19	24	0.9	0
07/04/2023 04:10	0.3	98	27	0.8	0
07/04/2023 04:20	0.9	349	23	1.5	0
07/04/2023 04:30	0.3	182	38	1.2	0
07/04/2023 04:40	0.2	205	35	0.8	0
07/04/2023 04:50	0.3	56	45	0.8	0
07/04/2023 05:00	0.8	184	53	1.5	0
07/04/2023 05:10	0.8	190	58	2	0
07/04/2023 05:20	0.8	221	72	1.6	0
07/04/2023 05:30	1.1	294	37	1.9	0
07/04/2023 05:40	1.4	266	33	2.4	0
07/04/2023 05:50	1	288	30	2	0
07/04/2023 06:00	1.1	315	40	2	0
07/04/2023 06:10	0.4	229	70	1.6	0
07/04/2023 06:20	0.2	103	19	0.7	0
07/04/2023 06:30	0.2	208	20	0.8	0
07/04/2023 06:40	0.1	3	11	0.4	0
07/04/2023 06:50	0.4	60	39	1.3	0
07/04/2023 07:00	0.8	138	48	2.1	0
07/04/2023 07:10	0.9	183	37	2.3	0
07/04/2023 07:20	0.6	201	50	1.6	0
07/04/2023 07:30	0.8	67	45	1.9	0
07/04/2023 07:40	0.8	92	54	1.7	0
07/04/2023 07:50	0.5	105	27	1.3	0
07/04/2023 08:00	0.8	148	34	1.8	0
07/04/2023 08:10	1.2	144	33	2.7	0
07/04/2023 08:20	1.5	163	24	3.2	0
07/04/2023 08:30	1.2	144	32	2.4	0
07/04/2023 08:40	1.1	125	27	2.1	0
07/04/2023 08:50	1.2	130	38	1.9	0
07/04/2023 09:00	1.2	138	46	2.6	0
07/04/2023 09:10	1.2	136	46	2.8	0
07/04/2023 09:20	1.4	55	37	2.5	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/04/2023 09:30	1.3	76	26	2	0
07/04/2023 09:40	1.3	71	24	2.1	0
07/04/2023 09:50	1.6	76	21	2.6	0
07/04/2023 10:00	1.7	90	23	2.4	0
07/04/2023 10:10	1.7	119	36	2.8	0
07/04/2023 10:20	2.3	162	37	4.1	0
07/04/2023 10:30	2.4	160	27	4	0
07/04/2023 10:40	2.6	170	23	4.4	0
07/04/2023 10:50	2.9	187	23	4.2	0
07/04/2023 11:00	3	189	17	4.2	0
07/04/2023 11:10	2.4	174	26	4.5	0
07/04/2023 11:20	3	188	21	4.9	0
07/04/2023 11:30	3.1	208	22	5.3	0
07/04/2023 11:40	2.8	212	27	4.4	0
07/04/2023 11:50	2.4	194	35	4.5	0
07/04/2023 12:00	2.4	219	21	4.9	0
07/04/2023 12:10	2.8	232	24	4.2	0
07/04/2023 12:20	2.2	205	39	4.1	0
07/04/2023 12:30	2.4	236	35	4.4	0
07/04/2023 12:40	3	240	21	4.1	0
07/04/2023 12:50	2.9	242	20	4.3	0
07/04/2023 13:00	2.9	249	22	4.3	0
07/04/2023 13:10	3	256	21	4.4	0
07/04/2023 13:20	2.6	265	18	3.8	0
07/04/2023 13:30	2.8	255	18	4.1	0
07/04/2023 13:40	2.9	249	22	4.6	0
07/04/2023 13:50	3.3	253	17	4.6	0
07/04/2023 14:00	3.5	254	19	4.9	0
07/04/2023 14:10	3.3	252	19	4.9	0
07/04/2023 14:20	3.7	241	18	5.2	0
07/04/2023 14:30	3.6	237	18	5.1	0
07/04/2023 14:40	3.6	240	19	5.2	0
07/04/2023 14:50	3.4	244	20	5.1	0
07/04/2023 15:00	3.8	247	17	5.7	0
07/04/2023 15:10	3.2	249	16	4.8	0
07/04/2023 15:20	3.6	255	19	5.2	0
07/04/2023 15:30	3.6	255	19	5.4	0
07/04/2023 15:40	3.2	255	21	4.6	0
07/04/2023 15:50	2.7	259	21	4.3	0
07/04/2023 16:00	2.4	265	28	4.1	0
07/04/2023 16:10	2.2	259	28	3.6	0
07/04/2023 16:20	2.1	286	42	4.4	0
07/04/2023 16:30	2.2	285	40	4	0
07/04/2023 16:40	1.7	272	49	3.3	0
07/04/2023 16:50	2.1	297	46	4.3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/04/2023 17:00	2.4	314	31	4	0
07/04/2023 17:10	2.4	315	34	3.8	0
07/04/2023 17:20	2.4	312	31	4.5	0
07/04/2023 17:30	2.2	315	36	3.7	0
07/04/2023 17:40	1.6	276	44	2.8	0
07/04/2023 17:50	1.9	265	34	3.3	0
07/04/2023 18:00	1.9	263	25	3.2	0
07/04/2023 18:10	1.5	266	37	2.8	0
07/04/2023 18:20	1.5	261	30	2.6	0
07/04/2023 18:30	2.1	255	21	3.1	0
07/04/2023 18:40	1.8	263	26	3	0
07/04/2023 18:50	1.9	252	18	2.8	0
07/04/2023 19:00	1.9	256	15	2.8	0
07/04/2023 19:10	1.8	256	17	2.8	0
07/04/2023 19:20	1.8	280	23	2.8	0
07/04/2023 19:30	1.4	283	16	2.2	0
07/04/2023 19:40	1.5	277	19	2.4	0
07/04/2023 19:50	1.8	265	21	3.1	0
07/04/2023 20:00	1.7	257	18	2.4	0
07/04/2023 20:10	1.6	262	15	2.4	0
07/04/2023 20:20	1.2	268	17	2	0
07/04/2023 20:30	0.4	273	22	1.2	0
07/04/2023 20:40	1	279	24	1.7	0
07/04/2023 20:50	1.4	267	16	2.2	0
07/04/2023 21:00	1.5	260	13	2	0
07/04/2023 21:10	1.6	257	13	2.1	0
07/04/2023 21:20	1.7	256	12	2.3	0
07/04/2023 21:30	1.5	257	13	2.1	0
07/04/2023 21:40	1.5	259	13	2.2	0
07/04/2023 21:50	1.6	261	13	2.2	0
07/04/2023 22:00	1.5	261	14	2.3	0
07/04/2023 22:10	1.5	255	13	2.1	0
07/04/2023 22:20	1.6	258	11	2.1	0
07/04/2023 22:30	1.8	260	15	2.8	0
07/04/2023 22:40	1.7	258	15	2.4	0
07/04/2023 22:50	1.7	260	12	2.4	0
07/04/2023 23:00	1.5	264	13	2.2	0
07/04/2023 23:10	1.5	261	13	2	0
07/04/2023 23:20	1.8	264	16	2.4	0
07/04/2023 23:30	1.9	264	16	2.9	0
07/04/2023 23:40	1.8	265	14	2.7	0
07/04/2023 23:50	1.9	268	16	2.8	0
07/05/2023 00:00	2.1	268	16	3.2	0
07/05/2023 00:10	2	265	15	3.1	0
07/05/2023 00:20	1.9	264	15	2.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/05/2023 00:30	1.7	268	17	2.6	0
07/05/2023 00:40	1.6	264	14	2.3	0
07/05/2023 00:50	1.6	264	13	2.4	0
07/05/2023 01:00	1.6	261	13	2.1	0
07/05/2023 01:10	2	266	14	2.8	0
07/05/2023 01:20	2.2	266	17	3.2	0
07/05/2023 01:30	2.3	263	15	3.4	0
07/05/2023 01:40	2.1	267	18	3	0
07/05/2023 01:50	2.3	263	15	3.5	0
07/05/2023 02:00	2.5	264	15	3.8	0
07/05/2023 02:10	2.4	263	14	3.5	0
07/05/2023 02:20	2.6	262	14	3.6	0
07/05/2023 02:30	2	263	16	3.2	0
07/05/2023 02:40	1.9	257	15	2.7	0
07/05/2023 02:50	1.7	264	15	2.8	0
07/05/2023 03:00	2.4	267	15	3.3	0
07/05/2023 03:10	2.3	267	16	3.2	0
07/05/2023 03:20	2.2	270	16	3.3	0
07/05/2023 03:30	2.4	266	17	3.8	0
07/05/2023 03:40	2.3	271	17	3.5	0
07/05/2023 03:50	2.4	265	13	3.7	0
07/05/2023 04:00	2.2	269	16	3.3	0
07/05/2023 04:10	1.9	270	14	2.6	0
07/05/2023 04:20	2.1	268	18	3	0
07/05/2023 04:30	2.3	262	16	3	0
07/05/2023 04:40	2	265	17	2.9	0
07/05/2023 04:50	1.8	263	15	2.8	0
07/05/2023 05:00	1.7	266	15	2.4	0
07/05/2023 05:10	2	270	19	3.2	0
07/05/2023 05:20	2.4	265	14	3.6	0
07/05/2023 05:30	2.2	265	16	3.1	0
07/05/2023 05:40	2.1	270	17	2.8	0
07/05/2023 05:50	2	270	17	2.6	0
07/05/2023 06:00	1.5	286	22	2.1	0
07/05/2023 06:10	1	281	21	1.6	0
07/05/2023 06:20	1.2	301	16	1.7	0
07/05/2023 06:30	1.1	311	17	1.5	0
07/05/2023 06:40	1.1	292	19	1.6	0
07/05/2023 06:50	1.2	286	18	1.8	0
07/05/2023 07:00	1.2	273	18	1.6	0
07/05/2023 07:10	1.2	264	14	1.8	0
07/05/2023 07:20	1.2	265	20	1.7	0
07/05/2023 07:30	0.9	265	20	1.5	0
07/05/2023 07:40	1.1	257	24	1.6	0
07/05/2023 07:50	1.3	244	17	1.9	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/05/2023 08:00	1	229	25	1.7	0
07/05/2023 08:10	1.2	214	21	1.9	0
07/05/2023 08:20	1.6	203	21	2.3	0
07/05/2023 08:30	1.7	210	20	2.7	0
07/05/2023 08:40	1.5	211	32	2.3	0
07/05/2023 08:50	1.7	212	23	2.4	0
07/05/2023 09:00	1.8	172	24	3.2	0
07/05/2023 09:10	1.9	196	21	3.1	0
07/05/2023 09:20	1.3	147	38	2.6	0
07/05/2023 09:30	1.7	155	36	2.8	0
07/05/2023 09:40	1.6	151	35	2.9	0
07/05/2023 09:50	2	166	26	3.6	0
07/05/2023 10:00	2	169	33	3.6	0
07/05/2023 10:10	2.5	195	29	4.3	0
07/05/2023 10:20	3.3	194	16	4.4	0
07/05/2023 10:30	2.4	181	26	3.9	0
07/05/2023 10:40	3	195	20	4.3	0
07/05/2023 10:50	3	204	24	4.8	0
07/05/2023 11:00	3.1	213	22	4.8	0
07/05/2023 11:10	3.4	197	22	5.2	0
07/05/2023 11:20	3.2	214	22	5.3	0
07/05/2023 11:30	3	207	23	5.3	0
07/05/2023 11:40	3.6	226	23	5.2	0
07/05/2023 11:50	3.3	214	24	6	0
07/05/2023 12:00	3.4	223	21	5.9	0
07/05/2023 12:10	3	239	25	4.9	0
07/05/2023 12:20	3.3	244	21	5.2	0
07/05/2023 12:30	3.5	240	20	5.3	0
07/05/2023 12:40	3.5	217	22	5	0
07/05/2023 12:50	3.3	221	28	5.3	0
07/05/2023 13:00	4	214	21	6.4	0
07/05/2023 13:10	3.7	212	22	6.1	0
07/05/2023 13:20	3.3	235	27	5.6	0
07/05/2023 13:30	3.2	255	23	5.1	0
07/05/2023 13:40	3.5	248	20	5.1	0
07/05/2023 13:50	3.2	258	21	4.9	0
07/05/2023 14:00	3.5	257	18	5	0
07/05/2023 14:10	3.7	256	20	5.4	0
07/05/2023 14:20	3.6	256	22	5.4	0
07/05/2023 14:30	3.7	258	20	5.3	0
07/05/2023 14:40	4.5	253	16	6.4	0
07/05/2023 14:50	4.1	250	19	6.3	0
07/05/2023 15:00	4.8	252	17	6.5	0
07/05/2023 15:10	4.8	253	15	6.9	0
07/05/2023 15:20	4.9	254	18	6.8	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/05/2023 15:30	4.4	250	16	6.5	0
07/05/2023 15:40	4.6	250	18	7.2	0
07/05/2023 15:50	4.2	252	20	6.3	0
07/05/2023 16:00	4.1	251	17	6.4	0
07/05/2023 16:10	4.3	252	19	6.1	0
07/05/2023 16:20	4.2	251	17	6	0
07/05/2023 16:30	4.1	251	16	5.5	0
07/05/2023 16:40	4.2	251	16	6	0
07/05/2023 16:50	3.7	250	15	5.5	0
07/05/2023 17:00	3.6	252	17	5.6	0
07/05/2023 17:10	4	252	16	5.9	0
07/05/2023 17:20	3.3	248	16	5	0
07/05/2023 17:30	2.9	250	16	4.9	0
07/05/2023 17:40	3.5	256	15	4.9	0
07/05/2023 17:50	3	256	13	4.4	0
07/05/2023 18:00	2.8	260	14	4	0
07/05/2023 18:10	2.9	259	13	4.4	0
07/05/2023 18:20	2.6	263	15	3.7	0
07/05/2023 18:30	2.6	258	15	3.6	0
07/05/2023 18:40	2.4	254	17	3.6	0
07/05/2023 18:50	2.1	259	15	2.9	0
07/05/2023 19:00	2.4	262	15	3.8	0
07/05/2023 19:10	2	265	16	2.9	0
07/05/2023 19:20	2.2	265	16	3.4	0
07/05/2023 19:30	2.3	267	15	3.6	0
07/05/2023 19:40	2.3	266	14	3.1	0
07/05/2023 19:50	1.9	262	15	2.8	0
07/05/2023 20:00	1.8	267	17	2.8	0
07/05/2023 20:10	1.8	269	18	2.7	0
07/05/2023 20:20	2.1	264	16	3	0
07/05/2023 20:30	2.2	264	15	2.9	0
07/05/2023 20:40	1.9	267	17	3	0
07/05/2023 20:50	2.5	270	16	3.5	0
07/05/2023 21:00	2.1	268	16	3	0
07/05/2023 21:10	2.2	266	17	3.1	0
07/05/2023 21:20	2	269	15	3	0
07/05/2023 21:30	2	269	18	3	0
07/05/2023 21:40	2.2	270	15	3.2	0
07/05/2023 21:50	2.3	264	17	3.6	0
07/05/2023 22:00	2.5	259	18	3.6	0
07/05/2023 22:10	2.5	267	14	3.6	0
07/05/2023 22:20	2.4	271	16	3.4	0
07/05/2023 22:30	2.3	276	17	3.3	0
07/05/2023 22:40	2.1	276	19	3.3	0
07/05/2023 22:50	2.1	267	16	3	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/05/2023 23:00	2.1	269	16	2.9	0
07/05/2023 23:10	2.3	265	16	3.1	0
07/05/2023 23:20	2.2	265	17	3.3	0
07/05/2023 23:30	2	262	18	2.9	0
07/05/2023 23:40	2.3	269	14	3.3	0
07/05/2023 23:50	2.4	270	17	3.5	0
07/06/2023 00:00	2.1	277	18	3	0
07/06/2023 00:10	1.7	278	19	2.4	0
07/06/2023 00:20	1.9	264	17	2.6	0
07/06/2023 00:30	2.1	256	14	3	0
07/06/2023 00:40	1.9	253	17	3	0
07/06/2023 00:50	1.9	261	19	2.8	0
07/06/2023 01:00	1.9	260	17	2.8	0
07/06/2023 01:10	1.8	255	20	2.8	0
07/06/2023 01:20	1.9	255	14	2.7	0
07/06/2023 01:30	1.9	250	13	3	0
07/06/2023 01:40	1.6	257	18	2.4	0
07/06/2023 01:50	1.7	260	17	2.6	0
07/06/2023 02:00	1.5	247	14	2.3	0
07/06/2023 02:10	1.4	246	12	2	0
07/06/2023 02:20	1.4	251	14	2	0
07/06/2023 02:30	1.7	251	13	2.5	0
07/06/2023 02:40	1.2	248	17	2.1	0
07/06/2023 02:50	1.6	262	13	2.4	0
07/06/2023 03:00	1.3	261	18	2.4	0
07/06/2023 03:10	1.1	297	21	1.8	0
07/06/2023 03:20	0.4	328	16	1	0
07/06/2023 03:30	1.2	334	12	1.8	0
07/06/2023 03:40	0.8	337	21	1.2	0
07/06/2023 03:50	0.5	260	40	1.2	0
07/06/2023 04:00	1	297	20	1.4	0
07/06/2023 04:10	0.7	253	22	1.5	0
07/06/2023 04:20	0	321	2	0.5	0
07/06/2023 04:30	0.6	341	20	1.2	0
07/06/2023 04:40	0.3	271	42	1.2	0
07/06/2023 04:50	0.5	221	22	1.6	0
07/06/2023 05:00	0.3	17	34	0.9	0
07/06/2023 05:10	0.2	128	22	1.1	0
07/06/2023 05:20	0.2	206	24	0.8	0
07/06/2023 05:30	0	82	3	0.4	0
07/06/2023 05:40	0.1	149	16	0.8	0
07/06/2023 05:50	0.3	186	11	1.2	0
07/06/2023 06:00	0.1	109	11	0.9	0
07/06/2023 06:10	0	59	5	0.4	0
07/06/2023 06:20	0	66	4	0.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/06/2023 06:30	0.3	141	17	0.8	0
07/06/2023 06:40	0.4	176	26	1.1	0
07/06/2023 06:50					0
07/06/2023 07:00					0
07/06/2023 07:10					0
07/06/2023 07:20	0.1	59	9	0.6	0
07/06/2023 07:30	0.1	34	11	0.7	0
07/06/2023 07:40	0.1	198	17	0.6	0
07/06/2023 07:50	0.1	77	7	0.8	0
07/06/2023 08:00	0.5	94	19	1.1	0
07/06/2023 08:10	0.7	99	32	1.3	0
07/06/2023 08:20	1.1	104	31	1.8	0
07/06/2023 08:30	1.3	104	30	2.3	0
07/06/2023 08:40	1.3	105	33	2.3	0
07/06/2023 08:50	1.5	107	34	2.4	0
07/06/2023 09:00	1.4	104	34	2.7	0
07/06/2023 09:10	1.5	103	32	2.3	0
07/06/2023 09:20	1.5	103	36	2.5	0
07/06/2023 09:30	1.7	106	31	2.7	0
07/06/2023 09:40	1.7	117	30	2.9	0
07/06/2023 09:50	1.7	126	25	3.1	0
07/06/2023 10:00	1.9	129	32	2.8	0
07/06/2023 10:10	2.1	117	29	3.2	0
07/06/2023 10:20	1.8	122	29	3	0
07/06/2023 10:30	1.8	118	29	2.9	0
07/06/2023 10:40	1.9	109	33	2.9	0
07/06/2023 10:50	1.9	120	32	3.2	0
07/06/2023 11:00	1.8	81	32	3.4	0
07/06/2023 11:10	2	72	24	3.2	0
07/06/2023 11:20	2	75	28	3.5	0
07/06/2023 11:30	1.9	73	30	3.6	0
07/06/2023 11:40	2	67	28	3.2	0
07/06/2023 11:50	2.2	60	26	3.9	0
07/06/2023 12:00	2	54	25	3.2	0
07/06/2023 12:10	2	55	25	3.2	0
07/06/2023 12:20	2.1	57	23	3.1	0
07/06/2023 12:30	2.2	51	25	3.5	0
07/06/2023 12:40	2.1	56	26	3.3	0
07/06/2023 12:50	2.2	55	21	3.9	0
07/06/2023 13:00	2.3	47	21	3.5	0
07/06/2023 13:10	2.2	49	21	3.5	0
07/06/2023 13:20	2.1	49	24	3.2	0
07/06/2023 13:30	2.2	51	24	3.3	0
07/06/2023 13:40	2.3	48	20	3.6	0
07/06/2023 13:50	2.4	51	21	3.7	0





## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/06/2023 14:00	2.1	50	26	3.5	0
07/06/2023 14:10	2.3	51	24	3.8	0
07/06/2023 14:20	2.6	52	24	4	0
07/06/2023 14:30	2.2	54	26	3.8	0
07/06/2023 14:40	2.6	49	21	4	0
07/06/2023 14:50	2.2	60	22	3.5	0
07/06/2023 15:00	2.3	59	22	3.7	0
07/06/2023 15:10	2.3	61	22	3.9	0
07/06/2023 15:20	2.2	62	26	3.6	0
07/06/2023 15:30	2.1	61	22	3.6	0
07/06/2023 15:40	2.2	65	22	3.7	0
07/06/2023 15:50	2.1	64	24	3.2	0
07/06/2023 16:00	2.2	67	21	3.5	0
07/06/2023 16:10	2	60	24	3.2	0
07/06/2023 16:20	2.4	43	22	3.8	0
07/06/2023 16:30	2.7	49	17	3.8	0
07/06/2023 16:40	2.2	48	22	3.7	0
07/06/2023 16:50	1.8	43	23	3.5	0
07/06/2023 17:00	1.3	31	34	2.4	0
07/06/2023 17:10	1.3	178	33	2.4	0
07/06/2023 17:20	1.6	29	27	2.5	0
07/06/2023 17:30	1.7	27	25	3.1	0
07/06/2023 17:40	1.3	184	34	2.3	0
07/06/2023 17:50	1	281	33	1.8	0
07/06/2023 18:00	1.8	260	13	2.7	0
07/06/2023 18:10	2	258	14	3	0
07/06/2023 18:20	1.3	261	17	1.9	0
07/06/2023 18:30	1.4	261	12	2.2	0
07/06/2023 18:40	1.5	262	13	2.3	0
07/06/2023 18:50	1.8	256	10	2.5	0
07/06/2023 19:00	1.6	257	11	2.3	0
07/06/2023 19:10	2.2	258	14	3	0
07/06/2023 19:20	2	261	13	2.7	0
07/06/2023 19:30	1.8	257	13	2.8	0
07/06/2023 19:40	2	251	15	3.4	0
07/06/2023 19:50	1.9	240	18	3.1	0
07/06/2023 20:00	2	240	18	3.1	0
07/06/2023 20:10	1.8	257	16	2.6	0
07/06/2023 20:20	2	268	14	2.7	0
07/06/2023 20:30	1.9	271	16	2.8	0
07/06/2023 20:40	1.3	285	18	2	0
07/06/2023 20:50	1.3	278	17	1.8	0
07/06/2023 21:00	1.4	275	18	2.4	0
07/06/2023 21:10	1.3	280	19	2.2	0
07/06/2023 21:20	1.6	275	16	2.4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/06/2023 21:30	1.4	274	20	2.1	0
07/06/2023 21:40	1.7	274	17	2.4	0
07/06/2023 21:50	2	269	15	2.7	0
07/06/2023 22:00	2.1	265	15	3.1	0
07/06/2023 22:10	2.3	267	14	3.2	0
07/06/2023 22:20	2.2	269	14	3.1	0
07/06/2023 22:30	2.1	265	13	3.1	0
07/06/2023 22:40	2.1	265	15	2.8	0
07/06/2023 22:50	2.2	264	13	3.2	0
07/06/2023 23:00	2.1	261	16	2.8	0
07/06/2023 23:10	2	256	15	2.7	0
07/06/2023 23:20	1.9	256	17	3	0
07/06/2023 23:30	1.9	259	17	2.6	0
07/06/2023 23:40	2	266	15	3.1	0
07/06/2023 23:50	2.3	268	16	3.4	0
07/07/2023 00:00	2.4	266	15	3.8	0
07/07/2023 00:10	2.2	268	17	3.2	0
07/07/2023 00:20	2.4	270	16	3.4	0
07/07/2023 00:30	2.3	271	18	3.2	0
07/07/2023 00:40	2.4	273	14	3.2	0
07/07/2023 00:50	2.3	273	16	3.3	0
07/07/2023 01:00	2.2	274	16	3.2	0
07/07/2023 01:10	2.2	269	17	2.9	0
07/07/2023 01:20	1.9	269	18	3	0
07/07/2023 01:30	2.3	268	18	3.2	0
07/07/2023 01:40	2.1	270	19	3	0
07/07/2023 01:50	2	268	16	3	0
07/07/2023 02:00	2	265	16	3.2	0
07/07/2023 02:10	2.2	268	14	3.4	0
07/07/2023 02:20	2	264	15	2.6	0
07/07/2023 02:30	1.8	264	15	2.5	0
07/07/2023 02:40	2	263	17	3	0
07/07/2023 02:50	1.7	255	13	2.4	0
07/07/2023 03:00	1.7	263	16	2.4	0
07/07/2023 03:10	1.7	260	15	2.4	0
07/07/2023 03:20	1.6	249	17	2.4	0
07/07/2023 03:30	2	256	14	2.6	0
07/07/2023 03:40	1.9	258	13	2.4	0
07/07/2023 03:50	1.4	261	14	1.9	0
07/07/2023 04:00	0.4	263	32	1.1	0
07/07/2023 04:10	0.5	304	35	1.2	0
07/07/2023 04:20	0.4	297	8	0.9	0
07/07/2023 04:30	0.2	207	18	0.8	0
07/07/2023 04:40	0.4	160	28	1.1	0
07/07/2023 04:50	0.4	142	22	1.5	0



# Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/07/2023 05:00	0.1	162	5	0.8	0
07/07/2023 05:10	0.8	208	18	1.8	0
07/07/2023 05:20	0.5	169	35	1.4	0
07/07/2023 05:30	0	181	3	0.4	0
07/07/2023 05:40					0
07/07/2023 05:50	0	114	1	0.4	0
07/07/2023 06:00	0	164	16	0.4	0
07/07/2023 06:10	0	61	1	0.5	0
07/07/2023 06:20	0.1	98	7	0.5	0
07/07/2023 06:30	0	206	0	0.4	0
07/07/2023 06:40	0	42	0	0.4	0
07/07/2023 06:50	0.1	37	9	0.6	0
07/07/2023 07:00	0	52	3	0.6	0
07/07/2023 07:10	0.1	28	8	0.6	0
07/07/2023 07:20	0.1	52	11	0.7	0
07/07/2023 07:30	0.4	51	25	0.9	0
07/07/2023 07:40	0	68	1	0.4	0
07/07/2023 07:50	0.2	80	6	0.9	0
07/07/2023 08:00	0.5	84	13	1.1	0
07/07/2023 08:10	1.1	90	24	1.9	0
07/07/2023 08:20	1.2	94	27	2.4	0
07/07/2023 08:30	1.7	89	23	3.2	0
07/07/2023 08:40	1.8	91	23	3.3	0
07/07/2023 08:50	1.6	89	29	2.8	0
07/07/2023 09:00	2	96	25	3.6	0
07/07/2023 09:10	2	93	29	3.1	0
07/07/2023 09:20	1.7	106	34	2.8	0
07/07/2023 09:30	1.7	92	29	3.1	0
07/07/2023 09:40	1.5	93	30	2.4	0
07/07/2023 09:50	1.8	98	35	3.2	0
07/07/2023 10:00	2.2	94	28	3.3	0
07/07/2023 10:10	2.1	102	28	3.6	0
07/07/2023 10:20	1.8	108	34	3.2	0
07/07/2023 10:30	2.1	84	34	3.5	0
07/07/2023 10:40	2.2	80	32	3.5	0
07/07/2023 10:50	2.6	99	30	5	0
07/07/2023 11:00	2.4	93	32	4.1	0
07/07/2023 11:10	2.1	78	25	3.5	0
07/07/2023 11:20	2.2	73	26	3.8	0
07/07/2023 11:30	2.5	79	26	3.8	0
07/07/2023 11:40	2.4	71	27	4.3	0
07/07/2023 11:50	2.3	95	32	3.6	0
07/07/2023 12:00	2.4	96	32	4.8	0
07/07/2023 12:10	2.6	92	24	4.2	0
07/07/2023 12:20	2.4	89	27	4	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/07/2023 12:30	2.3	87	31	3.8	0
07/07/2023 12:40	2.3	74	32	3.4	0
07/07/2023 12:50	2.3	88	24	4	0
07/07/2023 13:00	2.3	78	31	3.6	0
07/07/2023 13:10	2.5	62	21	4.3	0
07/07/2023 13:20	2.8	54	21	4.8	0
07/07/2023 13:30	2.3	70	23	3.6	0
07/07/2023 13:40	2.6	46	21	4.1	0
07/07/2023 13:50	2.6	49	21	4.2	0
07/07/2023 14:00	2.8	53	23	4.3	0
07/07/2023 14:10	2.6	56	22	4.1	0
07/07/2023 14:20	3.1	55	21	4.8	0
07/07/2023 14:30	2.7	56	22	4.6	0
07/07/2023 14:40	2.9	55	22	4.4	0
07/07/2023 14:50	2.5	59	22	3.7	0
07/07/2023 15:00	2.7	63	22	4.5	0
07/07/2023 15:10	2.5	59	24	4.2	0
07/07/2023 15:20	2.7	58	23	4.3	0
07/07/2023 15:30	2.3	58	26	4	0
07/07/2023 15:40	2.4	56	24	4.2	0
07/07/2023 15:50	2.4	59	19	3.9	0
07/07/2023 16:00	2.2	60	23	3.2	0
07/07/2023 16:10	2.4	58	22	3.8	0
07/07/2023 16:20	2.1	54	23	3.6	0
07/07/2023 16:30	2.1	51	24	3.7	0
07/07/2023 16:40	2.1	52	19	3.4	0
07/07/2023 16:50	1.7	43	18	2.5	0
07/07/2023 17:00	1.5	42	16	2.2	0
07/07/2023 17:10	1.4	32	15	2.3	0
07/07/2023 17:20	1.3	30	14	1.8	0
07/07/2023 17:30	1.2	33	16	1.6	0
07/07/2023 17:40	1.3	28	15	1.7	0
07/07/2023 17:50	1.1	25	17	1.6	0
07/07/2023 18:00	1.1	4	21	1.6	0
07/07/2023 18:10	0.7	15	26	1.2	0
07/07/2023 18:20	1	10	20	1.5	0
07/07/2023 18:30	0.9	2	20	1.3	0
07/07/2023 18:40	0.3	14	18	1	0
07/07/2023 18:50	0.6	29	17	0.8	0
07/07/2023 19:00	0.4	14	17	0.9	0
07/07/2023 19:10	0.3	198	17	0.8	0
07/07/2023 19:20	0.8	16	16	1.1	0
07/07/2023 19:30	0.9	180	20	1.2	0
07/07/2023 19:40	0.7	15	22	1.2	0
07/07/2023 19:50	0.5	11	17	1	0



## Yara Pilbara Nitrates- Water Tanks 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/07/2023 20:00	0.5	25	16	0.8	0
07/07/2023 20:10	0.1	360	5	0.8	0
07/07/2023 20:20	0.3	10	8	0.9	0
07/07/2023 20:30	0.5	352	8	0.9	0
07/07/2023 20:40	0.7	13	13	0.9	0
07/07/2023 20:50	0.1	16	4	0.6	0
07/07/2023 21:00	0.3	14	10	0.8	0
07/07/2023 21:10	0.5	9	13	0.9	0
07/07/2023 21:20	0	249	2	0.4	0
07/07/2023 21:30	0.2	338	15	0.7	0
07/07/2023 21:40	0.4	351	8	0.9	0
07/07/2023 21:50	0.1	342	4	0.5	0
07/07/2023 22:00	0	182	2	0.4	0
07/07/2023 22:10	0.4	174	10	0.8	0
07/07/2023 22:20	0.4	8	10	0.7	0
07/07/2023 22:30					0
07/07/2023 22:40	0	166	4	0.4	0
07/07/2023 22:50	0.8	252	10	1.3	0
07/07/2023 23:00	0.6	246	36	1.5	0
07/07/2023 23:10	0.3	209	30	0.8	0
07/07/2023 23:20	0.1	265	13	0.6	0
07/07/2023 23:30	0.1	115	6	0.7	0
07/07/2023 23:40	0	114	1	0.4	0
07/07/2023 23:50	0	192	8	0.4	0
07/08/2023 00:00	0	46	0	0.4	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/07/2022 00:10	0.7	261	46	1.2	0.00
08/07/2022 00:20	0.3	221	42	1.2	0.00
08/07/2022 00:30	0.6	328	29	1.2	0.00
08/07/2022 00:40	0.6	2	38	1.1	0.00
08/07/2022 00:50	0.8	319	71	1.4	0.00
08/07/2022 01:00	1.6	168	48	2.8	0.00
08/07/2022 01:10	1.2	319	42	1.9	0.00
08/07/2022 01:20	0.6	338	11	1.1	0.00
08/07/2022 01:30	0.7	334	17	1.2	0.00
08/07/2022 01:40	0.3	332	31	0.8	0.00
08/07/2022 01:50	0.4	303	11	0.9	0.00
08/07/2022 02:00	0.7	312	32	1.2	0.00
08/07/2022 02:10	1.0	335	27	1.6	0.00
08/07/2022 02:20	1.0	320	21	1.6	0.00
08/07/2022 02:30	0.8	189	69	1.4	0.00
08/07/2022 02:40	1.8	161	25	2.9	0.00
08/07/2022 02:50	2.8	172	13	4.1	0.00
08/07/2022 03:00	3.0	174	14	4.3	0.00
08/07/2022 03:10	2.7	181	15	3.9	0.00
08/07/2022 03:20	2.5	184	23	3.6	0.00
08/07/2022 03:30	2.2	179	33	4.1	0.00
08/07/2022 03:40	3.8	179	23	5.5	0.00
08/07/2022 03:50	5.1	187	10	6.4	0.00
08/07/2022 04:00	5.1	188	9	6.4	0.00
08/07/2022 04:10	5.1	190	9	6.3	0.00
08/07/2022 04:20	5.1	191	10	6.6	0.00
08/07/2022 04:30	4.4	191	10	5.6	0.00
08/07/2022 04:40	3.5	186	14	5.1	0.00
08/07/2022 04:50	3.9	185	14	5.4	0.00
08/07/2022 05:00	3.6	181	15	4.8	0.00
08/07/2022 05:10	3.1	173	18	4.8	0.00
08/07/2022 05:20	2.6	149	16	4.0	0.00
08/07/2022 05:30	2.4	157	15	3.6	0.00
08/07/2022 05:40	1.9	168	16	3.2	0.00
08/07/2022 05:50	1.8	163	22	3.1	0.00
08/07/2022 06:00	1.6	162	19	2.5	0.00
08/07/2022 06:10	1.3	160	28	2.4	0.00
08/07/2022 06:20	1.5	156	19	2.1	0.00
08/07/2022 06:30	1.4	156	25	2.5	0.00
08/07/2022 06:40	2.2	151	23	3.4	0.00
08/07/2022 06:50	2.5	145	23	4.3	0.00
08/07/2022 07:00	2.9	135	26	4.8	0.00
08/07/2022 07:10	1.7	99	21	3.2	0.00
08/07/2022 07:20	2.4	100	29	4.7	0.00
08/07/2022 07:30	2.2	123	30	3.5	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/07/2022 07:40	2.5	120	22	4.0	0.00
08/07/2022 07:50	2.0	122	26	3.1	0.00
08/07/2022 08:00	1.9	114	27	3.4	0.00
08/07/2022 08:10	1.6	91	28	3.1	0.00
08/07/2022 08:20	1.3	71	30	2.1	0.00
08/07/2022 08:30	1.5	55	17	2.2	0.00
08/07/2022 08:40	1.7	67	15	2.4	0.00
08/07/2022 08:50	1.9	84	22	2.8	0.00
08/07/2022 09:00	2.1	96	23	3.3	0.00
08/07/2022 09:10	2.3	105	18	3.3	0.00
08/07/2022 09:20	2.0	120	29	3.7	0.00
08/07/2022 09:30	2.0	122	25	3.2	0.00
08/07/2022 09:40	1.7	85	29	2.8	0.00
08/07/2022 09:50	1.7	52	19	2.4	0.00
08/07/2022 10:00	1.5	62	23	2.4	0.00
08/07/2022 10:10	1.7	61	23	2.6	0.00
08/07/2022 10:20	2.1	56	17	3.0	0.00
08/07/2022 10:30	2.5	73	20	4.4	0.00
08/07/2022 10:40	2.1	68	28	3.2	0.00
08/07/2022 10:50	2.3	59	25	4.0	0.00
08/07/2022 11:00	1.8	46	28	3.5	0.00
08/07/2022 11:10	2.4	79	21	4.0	0.00
08/07/2022 11:20	2.7	75	17	3.9	0.00
08/07/2022 11:30	3.0	59	17	4.0	0.00
08/07/2022 11:40	3.5	53	12	4.8	0.00
08/07/2022 11:50	3.6	45	13	5.2	0.00
08/07/2022 12:00	3.9	41	11	5.5	0.00
08/07/2022 12:10	3.8	38	11	5.0	0.00
08/07/2022 12:20	3.9	41	16	5.2	0.00
08/07/2022 12:30	3.6	40	15	5.0	0.00
08/07/2022 12:40	3.3	37	14	4.8	0.00
08/07/2022 12:50	3.5	42	15	4.8	0.00
08/07/2022 13:00	3.6	43	13	4.8	0.00
08/07/2022 13:10	3.2	40	15	4.1	0.00
08/07/2022 13:20	2.8	43	14	4.0	0.00
08/07/2022 13:30	2.7	45	18	3.6	0.00
08/07/2022 13:40	2.5	47	15	3.5	0.00
08/07/2022 13:50	2.9	42	12	3.8	0.00
08/07/2022 14:00	3.0	42	13	4.0	0.00
08/07/2022 14:10	3.4	44	12	4.5	0.00
08/07/2022 14:20	3.0	49	15	4.0	0.00
08/07/2022 14:30	2.6	51	13	3.4	0.00
08/07/2022 14:40	2.6	51	14	3.6	0.00
08/07/2022 14:50	3.0	47	14	4.1	0.00
08/07/2022 15:00	3.2	48	10	4.5	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/07/2022 15:10	2.9	48	11	3.9	0.00
08/07/2022 15:20	2.3	47	14	3.2	0.00
08/07/2022 15:30	2.1	62	17	2.9	0.00
08/07/2022 15:40	2.1	59	15	3.0	0.00
08/07/2022 15:50	2.2	52	16	3.2	0.00
08/07/2022 16:00	2.5	53	14	3.4	0.00
08/07/2022 16:10	2.4	52	12	3.4	0.00
08/07/2022 16:20	2.2	50	15	3.1	0.00
08/07/2022 16:30	1.9	57	14	2.6	0.00
08/07/2022 16:40	1.7	57	13	2.8	0.00
08/07/2022 16:50	1.7	60	13	2.4	0.00
08/07/2022 17:00	1.3	64	19	2.2	0.00
08/07/2022 17:10	0.9	59	26	1.6	0.00
08/07/2022 17:20	1.2	46	23	1.9	0.00
08/07/2022 17:30	0.5	106	21	1.0	0.00
08/07/2022 17:40	0.7	127	21	1.1	0.00
08/07/2022 17:50	0.8	136	26	1.1	0.00
08/07/2022 18:00	0.7	120	14	1.3	0.00
08/07/2022 18:10	0.6	139	46	1.0	0.00
08/07/2022 18:20	0.4	142	32	0.8	0.00
08/07/2022 18:30	0.2	153	20	0.8	0.00
08/07/2022 18:40	0.4	136	31	0.8	0.00
08/07/2022 18:50	0.7	183	15	0.8	0.00
08/07/2022 19:00	0.6	165	13	0.8	0.00
08/07/2022 19:10	0.5	164	16	0.8	0.00
08/07/2022 19:20	0.1	204	12	0.6	0.00
08/07/2022 19:30	0.3	171	8	0.8	0.00
08/07/2022 19:40	0.0	151	0	0.4	0.00
08/07/2022 19:50	0.2	149	6	0.7	0.00
08/07/2022 20:00	0.0	143	0	0.4	0.00
08/07/2022 20:10					0.00
08/07/2022 20:20					0.00
08/07/2022 20:30	0.0	55	0	0.4	0.00
08/07/2022 20:40	0.2	267	15	0.6	0.00
08/07/2022 20:50					0.00
08/07/2022 21:00	0.4	325	2	0.7	0.00
08/07/2022 21:10	0.8	333	4	1.2	0.00
08/07/2022 21:20	0.4	333	4	0.8	0.00
08/07/2022 21:30	0.8	328	8	1.1	0.00
08/07/2022 21:40	0.7	327	15	1.0	0.00
08/07/2022 21:50	0.6	342	12	0.9	0.00
08/07/2022 22:00	0.3	304	22	0.8	0.00
08/07/2022 22:10	0.2	104	29	0.7	0.00
08/07/2022 22:20	0.6	257	48	1.0	0.00
08/07/2022 22:30	0.4	337	14	0.8	0.00





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/07/2022 22:40	0.2	238	15	0.7	0.00
08/07/2022 22:50	0.7	332	12	1.3	0.00
08/07/2022 23:00	1.0	336	6	1.5	0.00
08/07/2022 23:10	0.6	338	5	1.1	0.00
08/07/2022 23:20	0.4	328	7	0.9	0.00
08/07/2022 23:30	0.2	330	2	0.7	0.00
08/07/2022 23:40	0.7	340	5	1.2	0.00
08/07/2022 23:50	0.4	323	3	0.8	0.00
09/07/2022 00:00	0.2	344	7	0.6	0.00
09/07/2022 00:10	0.4	350	10	0.8	0.00
09/07/2022 00:20					0.00
09/07/2022 00:30	0.0	295	2	0.6	0.00
09/07/2022 00:40	0.2	342	3	0.9	0.00
09/07/2022 00:50	0.4	321	12	0.8	0.00
09/07/2022 01:00	0.4	327	5	1.1	0.00
09/07/2022 01:10	1.2	336	15	1.6	0.00
09/07/2022 01:20	0.9	338	10	1.3	0.00
09/07/2022 01:30	0.5	168	41	1.0	0.00
09/07/2022 01:40	0.2	320	5	1.4	0.00
09/07/2022 01:50	0.7	347	22	1.2	0.00
09/07/2022 02:00	0.8	112	60	1.6	0.00
09/07/2022 02:10	2.2	195	30	4.0	0.00
09/07/2022 02:20	2.5	189	22	4.4	0.00
09/07/2022 02:30	4.1	185	12	5.7	0.00
09/07/2022 02:40	4.9	191	11	6.4	0.00
09/07/2022 02:50	5.0	188	9	6.4	0.00
09/07/2022 03:00	5.0	188	10	6.7	0.00
09/07/2022 03:10	3.9	187	12	5.3	0.00
09/07/2022 03:20	4.1	191	12	5.5	0.00
09/07/2022 03:30	2.7	182	14	4.0	0.00
09/07/2022 03:40	2.3	177	18	3.5	0.00
09/07/2022 03:50	2.6	180	15	4.0	0.00
09/07/2022 04:00	2.6	180	19	4.4	0.00
09/07/2022 04:10	1.7	173	19	2.8	0.00
09/07/2022 04:20	1.3	89	44	2.2	0.00
09/07/2022 04:30	1.1	172	43	2.0	0.00
09/07/2022 04:40	1.4	75	63	2.8	0.00
09/07/2022 04:50	1.8	112	23	2.9	0.00
09/07/2022 05:00	1.7	116	29	3.2	0.00
09/07/2022 05:10	2.0	111	19	3.2	0.00
09/07/2022 05:20	2.4	120	18	3.6	0.00
09/07/2022 05:30	1.6	126	32	2.7	0.00
09/07/2022 05:40	2.2	107	24	4.0	0.00
09/07/2022 05:50	2.5	104	22	3.9	0.00
09/07/2022 06:00	1.1	83	28	2.0	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/07/2022 06:10	1.4	105	28	2.8	0.00
09/07/2022 06:20	2.3	104	19	4.0	0.00
09/07/2022 06:30	1.7	117	28	2.8	0.00
09/07/2022 06:40	1.9	126	32	3.4	0.00
09/07/2022 06:50	1.8	113	26	3.0	0.00
09/07/2022 07:00	2.4	137	31	4.8	0.00
09/07/2022 07:10	2.7	144	28	4.5	0.00
09/07/2022 07:20	2.5	131	31	4.7	0.00
09/07/2022 07:30	2.2	130	27	3.7	0.00
09/07/2022 07:40	2.5	113	32	5.3	0.00
09/07/2022 07:50	2.3	118	27	4.2	0.00
09/07/2022 08:00	2.4	107	20	4.3	0.00
09/07/2022 08:10	2.1	116	32	3.6	0.00
09/07/2022 08:20	2.6	116	26	4.2	0.00
09/07/2022 08:30	3.6	117	21	5.8	0.00
09/07/2022 08:40	3.3	120	19	5.2	0.00
09/07/2022 08:50	3.4	126	17	5.1	0.00
09/07/2022 09:00	3.5	121	18	5.2	0.00
09/07/2022 09:10	3.5	121	20	5.6	0.00
09/07/2022 09:20	3.6	119	18	5.2	0.00
09/07/2022 09:30	3.9	121	15	5.5	0.00
09/07/2022 09:40	3.6	120	15	4.8	0.00
09/07/2022 09:50	3.6	119	18	5.9	0.00
09/07/2022 10:00	2.8	91	21	4.4	0.00
09/07/2022 10:10	4.1	82	14	5.9	0.00
09/07/2022 10:20	4.5	80	12	6.1	0.00
09/07/2022 10:30	3.8	78	14	5.6	0.00
09/07/2022 10:40	3.7	73	16	5.2	0.00
09/07/2022 10:50	3.8	68	16	5.9	0.00
09/07/2022 11:00	3.8	63	16	5.3	0.00
09/07/2022 11:10	3.4	59	15	4.4	0.00
09/07/2022 11:20	3.5	70	18	5.2	0.00
09/07/2022 11:30	3.2	74	14	4.6	0.00
09/07/2022 11:40	2.9	68	16	4.4	0.00
09/07/2022 11:50	3.3	61	14	4.8	0.00
09/07/2022 12:00	3.7	54	11	4.8	0.00
09/07/2022 12:10	3.8	57	12	5.2	0.00
09/07/2022 12:20	4.0	57	11	5.2	0.00
09/07/2022 12:30	3.6	48	12	4.9	0.00
09/07/2022 12:40	3.2	41	14	4.3	0.00
09/07/2022 12:50	3.1	45	16	4.2	0.00
09/07/2022 13:00	3.6	37	10	4.4	0.00
09/07/2022 13:10	3.2	42	14	4.4	0.00
09/07/2022 13:20	2.9	57	16	3.8	0.00
09/07/2022 13:30	2.7	54	17	3.6	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/07/2022 13:40	2.6	52	15	3.4	0.00
09/07/2022 13:50	2.6	58	14	3.2	0.00
09/07/2022 14:00	2.4	55	16	3.3	0.00
09/07/2022 14:10	2.5	57	18	3.4	0.00
09/07/2022 14:20	2.7	62	11	3.7	0.00
09/07/2022 14:30	2.7	60	14	3.6	0.00
09/07/2022 14:40	2.5	64	14	3.5	0.00
09/07/2022 14:50	2.3	60	14	3.3	0.00
09/07/2022 15:00	2.4	46	15	3.2	0.00
09/07/2022 15:10	2.5	44	16	3.5	0.00
09/07/2022 15:20	2.5	45	16	3.4	0.00
09/07/2022 15:30	2.8	43	13	3.7	0.00
09/07/2022 15:40	2.7	43	13	3.9	0.00
09/07/2022 15:50	2.5	45	14	3.5	0.00
09/07/2022 16:00	2.5	34	15	3.5	0.00
09/07/2022 16:10	2.8	42	13	3.8	0.00
09/07/2022 16:20	2.6	47	11	3.6	0.00
09/07/2022 16:30	2.6	45	14	3.3	0.00
09/07/2022 16:40	2.3	47	12	3.0	0.00
09/07/2022 16:50	2.4	49	14	3.3	0.00
09/07/2022 17:00	2.3	51	14	2.9	0.00
09/07/2022 17:10	1.8	57	11	2.5	0.00
09/07/2022 17:20	1.7	58	10	2.4	0.00
09/07/2022 17:30	1.1	65	13	1.4	0.00
09/07/2022 17:40	0.5	89	19	1.0	0.00
09/07/2022 17:50	0.3	91	25	0.8	0.00
09/07/2022 18:00	0.2	142	13	0.8	0.00
09/07/2022 18:10	0.6	142	32	0.9	0.00
09/07/2022 18:20	0.7	145	25	1.0	0.00
09/07/2022 18:30	0.2	114	26	0.6	0.00
09/07/2022 18:40	0.2	173	31	0.4	0.00
09/07/2022 18:50	0.1	60	7	0.6	0.00
09/07/2022 19:00	0.0	208	1	0.4	0.00
09/07/2022 19:10					0.00
09/07/2022 19:20	0.0	228	2	0.4	0.00
09/07/2022 19:30					0.00
09/07/2022 19:40	0.2	189	2	0.6	0.00
09/07/2022 19:50	0.0	213	0	0.4	0.00
09/07/2022 20:00					0.00
09/07/2022 20:10					0.00
09/07/2022 20:20	0.2	158	22	0.8	0.00
09/07/2022 20:30					0.00
09/07/2022 20:40	0.2	26	8	0.9	0.00
09/07/2022 20:50	0.7	343	14	1.2	0.00
09/07/2022 21:00	0.2	323	13	0.6	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/07/2022 21:10					0.00
09/07/2022 21:20	0.6	349	4	1.0	0.00
09/07/2022 21:30					0.00
09/07/2022 21:40	0.3	325	3	0.7	0.00
09/07/2022 21:50					0.00
09/07/2022 22:00	0.8	335	9	1.1	0.00
09/07/2022 22:10	0.1	54	4	0.7	0.00
09/07/2022 22:20	0.1	126	3	0.6	0.00
09/07/2022 22:30	0.2	111	4	0.6	0.00
09/07/2022 22:40	0.6	180	9	0.9	0.00
09/07/2022 22:50	0.0	186	0	0.4	0.00
09/07/2022 23:00	0.0	85	0	0.4	0.00
09/07/2022 23:10	0.5	148	6	1.2	0.00
09/07/2022 23:20	0.1	77	3	0.6	0.00
09/07/2022 23:30					0.00
09/07/2022 23:40	0.5	167	3	1.1	0.00
09/07/2022 23:50	0.2	135	3	0.6	0.00
10/07/2022 00:00	0.5	175	3	0.8	0.00
10/07/2022 00:10	0.5	345	41	1.1	0.00
10/07/2022 00:20	0.1	40	21	0.8	0.00
10/07/2022 00:30	0.2	264	9	0.7	0.00
10/07/2022 00:40	0.2	208	9	0.8	0.00
10/07/2022 00:50	0.3	323	11	0.8	0.00
10/07/2022 01:00	0.6	340	10	1.0	0.00
10/07/2022 01:10	0.1	167	23	0.6	0.00
10/07/2022 01:20	0.0	167	0	0.4	0.00
10/07/2022 01:30	0.0	339	0	0.6	0.00
10/07/2022 01:40	0.7	174	41	1.1	0.00
10/07/2022 01:50	2.9	201	21	4.6	0.00
10/07/2022 02:00	3.2	199	15	4.4	0.00
10/07/2022 02:10	3.3	199	14	4.6	0.00
10/07/2022 02:20	4.1	183	15	5.6	0.00
10/07/2022 02:30	5.3	174	11	7.4	0.00
10/07/2022 02:40	5.0	177	13	6.5	0.00
10/07/2022 02:50	5.6	189	12	7.4	0.00
10/07/2022 03:00	5.7	189	11	7.3	0.00
10/07/2022 03:10	5.5	189	10	6.8	0.00
10/07/2022 03:20	5.7	188	9	7.2	0.00
10/07/2022 03:30	5.8	187	8	7.2	0.00
10/07/2022 03:40	5.6	185	9	6.8	0.00
10/07/2022 03:50	5.2	182	9	6.7	0.00
10/07/2022 04:00	5.3	184	9	6.4	0.00
10/07/2022 04:10	5.1	184	9	6.3	0.00
10/07/2022 04:20	4.3	186	11	5.9	0.00
10/07/2022 04:30	4.0	181	11	5.6	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/07/2022 04:40	4.2	176	11	5.8	0.00
10/07/2022 04:50	3.9	180	11	5.1	0.00
10/07/2022 05:00	4.4	178	12	6.5	0.00
10/07/2022 05:10	4.2	181	15	5.6	0.00
10/07/2022 05:20	4.3	168	13	6.0	0.00
10/07/2022 05:30	3.8	171	15	5.9	0.00
10/07/2022 05:40	4.0	170	12	5.9	0.00
10/07/2022 05:50	3.9	176	15	5.8	0.00
10/07/2022 06:00	4.2	183	12	5.4	0.00
10/07/2022 06:10	4.8	186	10	6.5	0.00
10/07/2022 06:20	4.7	181	14	6.4	0.00
10/07/2022 06:30	4.8	185	12	6.5	0.00
10/07/2022 06:40	4.1	190	9	5.5	0.00
10/07/2022 06:50	2.6	177	16	3.6	0.00
10/07/2022 07:00	1.1	236	94	2.4	0.00
10/07/2022 07:10	0.7	26	53	1.5	0.00
10/07/2022 07:20	1.2	68	29	1.9	0.00
10/07/2022 07:30	1.9	113	11	2.6	0.00
10/07/2022 07:40	2.1	119	16	3.0	0.00
10/07/2022 07:50	1.7	120	17	2.4	0.00
10/07/2022 08:00	1.4	112	13	1.9	0.00
10/07/2022 08:10	2.3	97	11	2.9	0.00
10/07/2022 08:20	1.9	98	15	2.6	0.00
10/07/2022 08:30	1.8	80	12	2.3	0.00
10/07/2022 08:40	1.7	66	10	2.2	0.00
10/07/2022 08:50	2.0	69	11	2.4	0.00
10/07/2022 09:00	2.0	78	15	2.7	0.00
10/07/2022 09:10	1.9	97	17	2.8	0.00
10/07/2022 09:20	1.5	137	26	2.4	0.00
10/07/2022 09:30	1.6	142	35	2.8	0.00
10/07/2022 09:40	1.8	98	17	2.7	0.00
10/07/2022 09:50	1.8	110	23	2.8	0.00
10/07/2022 10:00	2.1	157	27	3.3	0.00
10/07/2022 10:10	2.6	161	15	3.4	0.00
10/07/2022 10:20	2.3	157	21	3.6	0.00
10/07/2022 10:30	2.0	106	22	3.3	0.00
10/07/2022 10:40	2.1	104	19	3.0	0.00
10/07/2022 10:50	2.2	109	17	3.2	0.00
10/07/2022 11:00	2.4	104	13	3.1	0.00
10/07/2022 11:10	2.1	105	20	2.8	0.00
10/07/2022 11:20	2.2	108	15	3.1	0.00
10/07/2022 11:30	2.0	102	23	2.8	0.00
10/07/2022 11:40	2.1	59	16	2.7	0.00
10/07/2022 11:50	2.3	54	8	2.8	0.00
10/07/2022 12:00	2.1	50	14	2.8	0.00



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/07/2022 12:10	1.9	47	15	2.4	0.00
10/07/2022 12:20	1.7	64	17	2.4	0.00
10/07/2022 12:30	1.8	54	18	2.8	0.00
10/07/2022 12:40	1.9	53	21	2.8	0.00
10/07/2022 12:50	1.8	60	20	2.8	0.00
10/07/2022 13:00	1.9	57	20	2.5	0.00
10/07/2022 13:10	1.9	59	18	2.7	0.00
10/07/2022 13:20	2.2	66	14	2.9	0.00
10/07/2022 13:30	2.3	60	16	3.0	0.00
10/07/2022 13:40	2.5	53	16	3.3	0.00
10/07/2022 13:50	2.8	45	15	3.6	0.00
10/07/2022 14:00	2.6	48	19	3.6	0.00
10/07/2022 14:10	2.6	48	16	3.6	0.00
10/07/2022 14:20	2.7	48	16	3.7	0.00
10/07/2022 14:30	2.7	59	13	3.6	0.00
10/07/2022 14:40	2.9	52	17	4.2	0.00
10/07/2022 14:50	3.0	49	14	4.0	0.00
10/07/2022 15:00	2.8	47	14	3.9	0.00
10/07/2022 15:10	3.0	50	11	4.1	0.00
10/07/2022 15:20	2.9	51	14	4.0	0.00
10/07/2022 15:30	2.9	52	14	4.0	0.00
10/07/2022 15:40	2.9	59	14	3.9	0.00
10/07/2022 15:50	2.9	62	14	4.0	0.00
10/07/2022 16:00	3.0	66	11	3.9	0.00
10/07/2022 16:10	2.9	68	12	3.8	0.00
10/07/2022 16:20	2.7	66	12	3.6	0.00
10/07/2022 16:30	2.6	71	14	3.6	0.00
10/07/2022 16:40	2.6	71	12	3.3	0.00
10/07/2022 16:50	2.1	76	19	3.1	0.00
10/07/2022 17:00	1.4	85	26	2.3	0.00
10/07/2022 17:10	1.3	90	21	2.0	0.00
10/07/2022 17:20	1.3	110	22	2.0	0.00
10/07/2022 17:30	1.3	130	39	2.0	0.00
10/07/2022 17:40	0.7	156	30	1.3	0.00
10/07/2022 17:50	0.7	141	30	1.1	0.00
10/07/2022 18:00	0.4	161	15	0.9	0.00
10/07/2022 18:10	0.7	194	8	0.9	0.00
10/07/2022 18:20	1.2	267	24	1.6	0.00
10/07/2022 18:30	0.6	325	20	1.2	0.00
10/07/2022 18:40					0.00
10/07/2022 18:50	0.1	219	2	0.5	0.00
10/07/2022 19:00	0.7	257	10	1.1	0.00
10/07/2022 19:10	0.6	148	19	0.9	0.00
10/07/2022 19:20	0.2	189	3	0.9	0.00
10/07/2022 19:30	0.5	266	15	0.8	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/07/2022 19:40	0.4	139	10	0.8	0.00
10/07/2022 19:50	0.2	15	5	0.6	0.00
10/07/2022 20:00	0.3	220	26	0.9	0.00
10/07/2022 20:10	0.9	116	34	1.4	0.00
10/07/2022 20:20	0.8	212	33	1.6	0.00
10/07/2022 20:30	1.5	224	17	2.3	0.00
10/07/2022 20:40	1.7	231	13	2.3	0.00
10/07/2022 20:50	0.7	173	51	1.2	0.00
10/07/2022 21:00	0.7	345	31	1.2	0.00
10/07/2022 21:10	0.2	217	32	0.7	0.00
10/07/2022 21:20	0.2	28	4	0.7	0.00
10/07/2022 21:30	0.3	246	25	0.8	0.00
10/07/2022 21:40	0.1	186	7	0.6	0.00
10/07/2022 21:50	0.2	49	1	0.8	0.00
10/07/2022 22:00	0.2	190	7	0.8	0.00
10/07/2022 22:10	0.4	181	8	1.1	0.00
10/07/2022 22:20					0.00
10/07/2022 22:30					0.00
10/07/2022 22:40					0.00
10/07/2022 22:50					0.00
10/07/2022 23:00					0.00
10/07/2022 23:10					0.00
10/07/2022 23:20					0.00
10/07/2022 23:30					0.00
10/07/2022 23:40	0.9	263	29	2.1	0.00
10/07/2022 23:50	1.0	277	43	1.6	0.00
11/07/2022 00:00	0.5	113	63	0.8	0.00
11/07/2022 00:10	0.5	154	15	1.2	0.00
11/07/2022 00:20	0.0	139	0	0.6	0.00
11/07/2022 00:30	0.4	172	9	0.9	0.00
11/07/2022 00:40	0.3	107	12	0.8	0.00
11/07/2022 00:50	0.3	132	18	0.8	0.00
11/07/2022 01:00					0.00
11/07/2022 01:10	0.0	81	0	0.5	0.00
11/07/2022 01:20	0.6	96	26	0.8	0.00
11/07/2022 01:30	0.3	242	9	0.8	0.00
11/07/2022 01:40	0.3	229	6	0.6	0.00
11/07/2022 01:50	0.2	241	2	0.6	0.00
11/07/2022 02:00	0.5	287	2	1.0	0.00
11/07/2022 02:10	0.6	221	45	1.0	0.00
11/07/2022 02:20	0.2	14	8	0.8	0.00
11/07/2022 02:30					0.00
11/07/2022 02:40	0.1	197	5	0.5	0.00
11/07/2022 02:50	0.3	344	5	0.7	0.00
11/07/2022 03:00	0.4	337	6	0.9	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/07/2022 03:10					0.00
11/07/2022 03:20	0.5	169	4	0.9	0.00
11/07/2022 03:30	0.9	334	4	1.1	0.00
11/07/2022 03:40	0.6	348	6	0.9	0.00
11/07/2022 03:50					0.00
11/07/2022 04:00					0.00
11/07/2022 04:10	0.0	334	0	0.4	0.00
11/07/2022 04:20	0.1	167	1	0.7	0.00
11/07/2022 04:30	0.5	337	13	0.8	0.00
11/07/2022 04:40	0.4	170	6	0.8	0.00
11/07/2022 04:50	0.0	339	0	0.6	0.00
11/07/2022 05:00	0.2	347	5	0.8	0.00
11/07/2022 05:10	0.7	336	11	1.0	0.00
11/07/2022 05:20	0.4	250	22	1.1	0.00
11/07/2022 05:30	0.0	268	0	0.4	0.00
11/07/2022 05:40	0.2	181	3	0.8	0.00
11/07/2022 05:50	0.6	324	21	1.1	0.00
11/07/2022 06:00	0.7	332	15	1.2	0.00
11/07/2022 06:10	1.0	331	18	1.4	0.00
11/07/2022 06:20	0.5	186	29	0.8	0.00
11/07/2022 06:30	0.8	103	29	1.3	0.00
11/07/2022 06:40	1.7	112	13	2.6	0.00
11/07/2022 06:50	2.4	111	12	3.3	0.00
11/07/2022 07:00	1.3	94	13	2.0	0.00
11/07/2022 07:10	1.0	112	24	1.5	0.00
11/07/2022 07:20	0.9	85	13	1.4	0.00
11/07/2022 07:30	1.6	105	13	2.2	0.00
11/07/2022 07:40	1.8	103	14	2.8	0.00
11/07/2022 07:50	1.9	119	20	2.6	0.00
11/07/2022 08:00	1.8	111	18	2.8	0.00
11/07/2022 08:10	1.9	110	20	2.8	0.00
11/07/2022 08:20	1.5	107	22	2.2	0.00
11/07/2022 08:30	2.1	110	15	2.9	0.00
11/07/2022 08:40	2.2	110	14	3.0	0.00
11/07/2022 08:50	2.2	112	15	3.1	0.00
11/07/2022 09:00	2.5	120	14	3.6	0.00
11/07/2022 09:10	2.5	119	17	3.3	0.00
11/07/2022 09:20	2.5	119	15	3.3	0.00
11/07/2022 09:30	2.4	111	15	3.4	0.00
11/07/2022 09:40	2.1	110	22	3.3	0.00
11/07/2022 09:50	2.0	115	16	3.0	0.00
11/07/2022 10:00	2.2	123	16	3.1	0.00
11/07/2022 10:10	1.8	112	23	2.7	0.00
11/07/2022 10:20	2.1	114	15	3.3	0.00
11/07/2022 10:30	2.0	113	17	3.0	0.00





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/07/2022 10:40	1.8	88	25	2.8	0.00
11/07/2022 10:50	2.2	61	17	3.1	0.00
11/07/2022 11:00	2.2	76	21	3.2	0.00
11/07/2022 11:10	2.3	53	18	3.4	0.00
11/07/2022 11:20	1.9	52	16	2.5	0.00
11/07/2022 11:30	2.1	44	15	2.8	0.00
11/07/2022 11:40	2.5	74	22	4.0	0.00
11/07/2022 11:50	2.3	51	17	3.2	0.00
11/07/2022 12:00	2.9	73	19	4.4	0.00
11/07/2022 12:10	3.2	74	18	4.4	0.00
11/07/2022 12:20	3.4	76	17	5.0	0.00
11/07/2022 12:30	3.4	79	14	4.8	0.00
11/07/2022 12:40	3.2	66	16	4.7	0.00
11/07/2022 12:50	3.6	56	13	4.9	0.00
11/07/2022 13:00	2.9	72	16	4.6	0.00
11/07/2022 13:10	3.0	72	16	4.7	0.00
11/07/2022 13:20	3.5	76	13	5.0	0.00
11/07/2022 13:30	3.7	76	15	5.6	0.00
11/07/2022 13:40	3.7	77	14	5.0	0.00
11/07/2022 13:50	3.3	78	15	4.6	0.00
11/07/2022 14:00	2.8	79	19	4.3	0.00
11/07/2022 14:10	3.1	77	16	4.4	0.00
11/07/2022 14:20	3.0	74	14	4.8	0.00
11/07/2022 14:30	3.2	73	14	4.4	0.00
11/07/2022 14:40	2.6	69	17	4.0	0.00
11/07/2022 14:50	2.7	63	18	4.2	0.00
11/07/2022 15:00	3.0	55	12	4.0	0.00
11/07/2022 15:10	2.9	51	12	3.6	0.00
11/07/2022 15:20	2.3	55	16	3.1	0.00
11/07/2022 15:30	2.4	47	14	3.5	0.00
11/07/2022 15:40	2.0	56	16	3.1	0.00
11/07/2022 15:50	2.1	55	16	2.9	0.00
11/07/2022 16:00	2.0	54	17	2.7	0.00
11/07/2022 16:10	2.1	59	15	2.9	0.00
11/07/2022 16:20	2.0	57	15	2.9	0.00
11/07/2022 16:30	2.1	57	14	3.0	0.00
11/07/2022 16:40	1.7	57	16	2.4	0.00
11/07/2022 16:50	1.6	60	13	2.1	0.00
11/07/2022 17:00	1.3	59	15	2.0	0.00
11/07/2022 17:10	1.1	60	14	1.6	0.00
11/07/2022 17:20	0.8	83	22	1.4	0.00
11/07/2022 17:30	0.8	114	13	1.2	0.00
11/07/2022 17:40	0.7	147	22	1.1	0.00
11/07/2022 17:50	0.8	139	29	1.2	0.00
11/07/2022 18:00	0.8	117	13	1.2	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/07/2022 18:10	0.7	109	14	0.9	0.00
11/07/2022 18:20	0.6	119	14	0.9	0.00
11/07/2022 18:30	0.4	101	17	0.7	0.00
11/07/2022 18:40	0.4	143	14	0.7	0.00
11/07/2022 18:50	0.6	171	13	0.8	0.00
11/07/2022 19:00	0.8	178	9	1.0	0.00
11/07/2022 19:10	0.8	172	9	1.0	0.00
11/07/2022 19:20	0.5	98	16	0.8	0.00
11/07/2022 19:30	0.0	67	0	0.4	0.00
11/07/2022 19:40	0.4	186	6	0.8	0.00
11/07/2022 19:50	0.6	346	2	0.8	0.00
11/07/2022 20:00	0.2	338	1	0.8	0.00
11/07/2022 20:10					0.00
11/07/2022 20:20					0.00
11/07/2022 20:30					0.00
11/07/2022 20:40	0.4	351	7	0.8	0.00
11/07/2022 20:50	0.5	331	12	0.7	0.00
11/07/2022 21:00	0.6	329	11	0.8	0.00
11/07/2022 21:10	0.9	334	5	1.2	0.00
11/07/2022 21:20	0.9	339	5	1.2	0.00
11/07/2022 21:30	0.8	335	11	0.9	0.00
11/07/2022 21:40	0.2	307	5	0.7	0.00
11/07/2022 21:50	0.4	347	9	0.8	0.00
11/07/2022 22:00	0.1	321	5	0.5	0.00
11/07/2022 22:10	0.5	29	20	0.9	0.00
11/07/2022 22:20	0.5	176	11	0.9	0.00
11/07/2022 22:30	0.9	329	11	1.1	0.00
11/07/2022 22:40	1.1	333	9	1.4	0.00
11/07/2022 22:50	0.9	331	7	1.2	0.00
11/07/2022 23:00	0.1	253	13	0.4	0.00
11/07/2022 23:10					0.00
11/07/2022 23:20	0.2	347	8	0.6	0.00
11/07/2022 23:30					0.00
11/07/2022 23:40	0.0	98	0	0.4	0.00
11/07/2022 23:50	0.2	158	6	0.6	0.00
12/07/2022 00:00	0.6	333	6	1.2	0.00
12/07/2022 00:10	0.2	341	16	0.7	0.00
12/07/2022 00:20	0.1	335	4	0.7	0.00
12/07/2022 00:30	0.0	335	0	0.4	0.00
12/07/2022 00:40	0.1	29	0	0.6	0.00
12/07/2022 00:50	0.3	344	20	0.8	0.00
12/07/2022 01:00	0.4	175	17	0.9	0.00
12/07/2022 01:10	0.2	179	3	0.8	0.00
12/07/2022 01:20	0.8	106	31	1.3	0.00
12/07/2022 01:30	0.9	208	63	1.6	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/07/2022 01:40	0.5	97	32	0.8	0.00
12/07/2022 01:50	0.3	51	35	0.7	0.00
12/07/2022 02:00	1.3	263	35	2.1	0.00
12/07/2022 02:10	3.2	182	15	4.5	0.00
12/07/2022 02:20	2.8	180	23	4.2	0.00
12/07/2022 02:30	4.0	184	11	5.2	0.00
12/07/2022 02:40	5.7	181	9	7.1	0.00
12/07/2022 02:50	5.5	185	9	7.4	0.00
12/07/2022 03:00	5.9	185	11	7.5	0.00
12/07/2022 03:10	5.5	182	10	7.1	0.00
12/07/2022 03:20	5.2	186	9	6.4	0.00
12/07/2022 03:30	3.8	187	11	5.0	0.00
12/07/2022 03:40	1.7	255	55	2.7	0.00
12/07/2022 03:50	1.0	110	62	2.1	0.00
12/07/2022 04:00	1.1	6	83	2.2	0.00
12/07/2022 04:10	0.9	20	49	1.9	0.00
12/07/2022 04:20	0.5	209	27	1.2	0.00
12/07/2022 04:30	0.9	76	34	1.5	0.00
12/07/2022 04:40	0.2	111	20	0.8	0.00
12/07/2022 04:50	0.6	45	29	1.1	0.00
12/07/2022 05:00	0.5	339	24	1.1	0.00
12/07/2022 05:10	0.5	10	21	0.8	0.00
12/07/2022 05:20	0.7	333	36	1.1	0.00
12/07/2022 05:30	0.6	310	47	1.1	0.00
12/07/2022 05:40	1.0	138	44	1.9	0.00
12/07/2022 05:50	1.8	145	25	3.7	0.00
12/07/2022 06:00	2.1	155	20	3.9	0.00
12/07/2022 06:10	1.7	111	30	3.1	0.00
12/07/2022 06:20	2.3	115	28	3.8	0.00
12/07/2022 06:30	3.1	121	22	4.9	0.00
12/07/2022 06:40	3.4	122	23	5.5	0.00
12/07/2022 06:50	3.9	117	20	5.9	0.00
12/07/2022 07:00	3.1	126	23	5.5	0.00
12/07/2022 07:10	3.3	126	20	5.2	0.00
12/07/2022 07:20	3.2	126	23	4.8	0.00
12/07/2022 07:30	3.6	128	19	5.2	0.00
12/07/2022 07:40	3.7	118	14	5.2	0.00
12/07/2022 07:50	3.5	113	14	4.8	0.00
12/07/2022 08:00	3.7	116	15	5.1	0.00
12/07/2022 08:10	3.1	115	15	5.3	0.00
12/07/2022 08:20	3.4	115	13	5.0	0.00
12/07/2022 08:30	3.8	113	15	5.0	0.00
12/07/2022 08:40	3.7	116	11	5.1	0.00
12/07/2022 08:50	3.0	110	17	4.4	0.00
12/07/2022 09:00	3.1	105	21	4.7	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/07/2022 09:10	3.1	93	19	4.5	0.00
12/07/2022 09:20	3.1	92	19	4.5	0.00
12/07/2022 09:30	3.1	80	13	4.6	0.00
12/07/2022 09:40	3.4	83	12	4.6	0.00
12/07/2022 09:50	3.6	82	11	4.9	0.00
12/07/2022 10:00	3.6	82	13	5.0	0.00
12/07/2022 10:10	3.8	82	11	5.2	0.00
12/07/2022 10:20	4.2	82	15	5.8	0.00
12/07/2022 10:30	4.1	86	13	5.7	0.00
12/07/2022 10:40	4.7	87	14	6.4	0.00
12/07/2022 10:50	4.8	85	13	6.8	0.00
12/07/2022 11:00	4.6	84	16	6.9	0.00
12/07/2022 11:10	4.4	84	14	6.4	0.00
12/07/2022 11:20	4.4	81	15	6.0	0.00
12/07/2022 11:30	4.1	75	14	5.6	0.00
12/07/2022 11:40	3.7	64	13	5.4	0.00
12/07/2022 11:50	4.3	56	9	5.6	0.00
12/07/2022 12:00	4.0	54	9	5.3	0.00
12/07/2022 12:10	4.1	58	9	5.3	0.00
12/07/2022 12:20	4.1	60	9	5.3	0.00
12/07/2022 12:30	3.9	61	11	4.9	0.00
12/07/2022 12:40	3.2	55	14	4.7	0.00
12/07/2022 12:50	3.5	47	13	4.8	0.00
12/07/2022 13:00	3.6	46	10	5.0	0.00
12/07/2022 13:10	3.8	45	10	4.8	0.00
12/07/2022 13:20	3.2	48	13	4.2	0.00
12/07/2022 13:30	3.2	62	13	4.0	0.00
12/07/2022 13:40	3.0	65	12	3.7	0.00
12/07/2022 13:50	2.9	64	11	4.0	0.00
12/07/2022 14:00	2.8	57	11	3.9	0.00
12/07/2022 14:10	3.0	57	10	3.9	0.00
12/07/2022 14:20	2.9	51	11	4.0	0.00
12/07/2022 14:30	2.9	52	12	3.8	0.00
12/07/2022 14:40	2.9	52	12	4.1	0.00
12/07/2022 14:50	2.8	53	14	4.0	0.00
12/07/2022 15:00	2.5	59	19	3.3	0.00
12/07/2022 15:10	2.7	54	12	3.6	0.00
12/07/2022 15:20	2.7	54	10	3.6	0.00
12/07/2022 15:30	2.7	49	14	3.6	0.00
12/07/2022 15:40	2.8	48	13	3.7	0.00
12/07/2022 15:50	2.8	45	14	3.8	0.00
12/07/2022 16:00	3.0	49	13	4.2	0.00
12/07/2022 16:10	3.1	39	12	4.4	0.00
12/07/2022 16:20	3.1	40	12	4.0	0.00
12/07/2022 16:30	2.7	46	10	3.8	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/07/2022 16:40	2.7	48	13	3.7	0.00
12/07/2022 16:50	2.6	42	14	3.6	0.00
12/07/2022 17:00	2.4	43	12	3.6	0.00
12/07/2022 17:10	2.3	44	14	3.5	0.00
12/07/2022 17:20	2.0	42	16	3.1	0.00
12/07/2022 17:30	1.9	40	13	2.8	0.00
12/07/2022 17:40	1.3	44	14	2.1	0.00
12/07/2022 17:50	0.9	63	17	1.5	0.00
12/07/2022 18:00	0.5	91	13	0.9	0.00
12/07/2022 18:10	0.9	110	14	1.4	0.00
12/07/2022 18:20	0.7	138	22	1.0	0.00
12/07/2022 18:30	0.8	127	24	1.2	0.00
12/07/2022 18:40	0.8	143	24	1.2	0.00
12/07/2022 18:50	1.0	120	18	1.3	0.00
12/07/2022 19:00	1.1	99	12	1.4	0.00
12/07/2022 19:10	1.2	91	10	1.5	0.00
12/07/2022 19:20	1.2	97	15	1.7	0.00
12/07/2022 19:30	1.2	94	13	1.6	0.00
12/07/2022 19:40	0.9	103	17	1.3	0.00
12/07/2022 19:50	0.8	84	9	1.2	0.00
12/07/2022 20:00	0.4	73	6	0.9	0.00
12/07/2022 20:10	0.3	354	4	0.8	0.00
12/07/2022 20:20					0.00
12/07/2022 20:30	0.1	96	18	0.4	0.00
12/07/2022 20:40	0.4	98	16	1.3	0.00
12/07/2022 20:50	0.6	79	28	1.0	0.00
12/07/2022 21:00	1.1	102	14	1.3	0.00
12/07/2022 21:10	0.9	84	17	1.3	0.00
12/07/2022 21:20	0.7	73	23	1.2	0.00
12/07/2022 21:30	0.6	48	36	1.1	0.00
12/07/2022 21:40	0.7	345	39	1.3	0.00
12/07/2022 21:50	0.9	330	18	1.4	0.00
12/07/2022 22:00	0.7	349	16	1.1	0.00
12/07/2022 22:10	0.7	335	14	1.2	0.00
12/07/2022 22:20	0.6	332	24	1.2	0.00
12/07/2022 22:30	0.6	343	27	1.1	0.00
12/07/2022 22:40	1.2	189	31	1.7	0.00
12/07/2022 22:50	1.1	71	30	2.0	0.00
12/07/2022 23:00	1.2	216	34	1.7	0.00
12/07/2022 23:10	1.5	337	9	1.7	0.00
12/07/2022 23:20	1.3	188	16	1.7	0.00
12/07/2022 23:30	1.1	21	13	1.6	0.00
12/07/2022 23:40	1.3	16	12	1.7	0.00
12/07/2022 23:50	1.1	27	20	1.6	0.00
13/07/2022 00:00	0.9	15	19	1.4	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/07/2022 00:10	0.8	181	23	1.2	0.00
13/07/2022 00:20	0.9	324	28	1.4	0.00
13/07/2022 00:30	0.9	334	22	1.5	0.00
13/07/2022 00:40	0.6	242	30	1.4	0.00
13/07/2022 00:50	0.8	205	46	1.6	0.00
13/07/2022 01:00	1.3	322	10	1.7	0.00
13/07/2022 01:10	1.5	319	10	1.8	0.00
13/07/2022 01:20	1.0	326	10	1.4	0.00
13/07/2022 01:30	1.0	310	41	1.5	0.00
13/07/2022 01:40	1.1	328	22	1.9	0.00
13/07/2022 01:50	1.1	323	39	1.6	0.00
13/07/2022 02:00	1.2	344	14	1.6	0.00
13/07/2022 02:10	0.8	37	32	1.6	0.00
13/07/2022 02:20	1.3	70	13	1.8	0.00
13/07/2022 02:30	1.7	99	13	2.4	0.00
13/07/2022 02:40	1.7	107	16	2.4	0.00
13/07/2022 02:50	1.7	107	14	2.5	0.00
13/07/2022 03:00	1.6	92	23	2.4	0.00
13/07/2022 03:10	2.0	100	14	2.8	0.00
13/07/2022 03:20	1.7	106	13	2.6	0.00
13/07/2022 03:30	1.9	127	21	3.3	0.00
13/07/2022 03:40	2.2	136	22	3.4	0.00
13/07/2022 03:50	1.8	124	22	3.1	0.00
13/07/2022 04:00	1.6	137	19	2.6	0.00
13/07/2022 04:10	2.0	141	19	3.1	0.00
13/07/2022 04:20	1.4	130	25	2.3	0.00
13/07/2022 04:30	1.8	143	18	2.8	0.00
13/07/2022 04:40	1.9	138	23	3.0	0.00
13/07/2022 04:50	2.2	132	20	3.7	0.00
13/07/2022 05:00	2.1	146	20	3.2	0.00
13/07/2022 05:10	1.6	128	27	2.6	0.00
13/07/2022 05:20	1.7	140	25	2.4	0.00
13/07/2022 05:30	2.1	143	28	3.3	0.00
13/07/2022 05:40	2.1	136	27	3.6	0.00
13/07/2022 05:50	1.8	129	31	3.1	0.00
13/07/2022 06:00	2.2	131	32	3.7	0.00
13/07/2022 06:10	2.4	118	26	4.0	0.00
13/07/2022 06:20	2.6	108	21	4.8	0.00
13/07/2022 06:30	2.2	116	24	3.6	0.00
13/07/2022 06:40	1.8	115	35	3.4	0.00
13/07/2022 06:50	1.5	132	28	2.5	0.00
13/07/2022 07:00	1.7	135	36	2.8	0.00
13/07/2022 07:10	1.6	137	37	3.8	0.00
13/07/2022 07:20	1.3	68	61	2.2	0.00
13/07/2022 07:30	1.1	34	64	2.4	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/07/2022 07:40	1.4	100	30	2.4	0.00
13/07/2022 07:50	1.8	126	41	3.0	0.00
13/07/2022 08:00	1.8	131	41	4.0	0.00
13/07/2022 08:10	1.8	139	44	3.6	0.00
13/07/2022 08:20	2.3	123	31	4.8	0.00
13/07/2022 08:30	2.5	117	26	4.2	0.00
13/07/2022 08:40	2.7	118	21	4.6	0.00
13/07/2022 08:50	2.5	117	16	3.9	0.00
13/07/2022 09:00	2.0	101	23	3.5	0.00
13/07/2022 09:10	2.4	101	23	4.5	0.00
13/07/2022 09:20	2.7	100	25	4.2	0.00
13/07/2022 09:30	3.0	116	25	4.8	0.00
13/07/2022 09:40	2.9	107	22	4.7	0.00
13/07/2022 09:50	3.0	89	21	5.1	0.00
13/07/2022 10:00	4.6	82	14	6.4	0.00
13/07/2022 10:10	4.3	83	14	6.4	0.00
13/07/2022 10:20	4.5	84	14	6.1	0.00
13/07/2022 10:30	4.4	83	15	6.3	0.00
13/07/2022 10:40	4.5	86	16	6.6	0.00
13/07/2022 10:50	5.1	84	15	7.6	0.00
13/07/2022 11:00	5.3	83	15	7.9	0.00
13/07/2022 11:10	5.2	85	17	7.2	0.00
13/07/2022 11:20	5.0	87	16	6.9	0.00
13/07/2022 11:30	4.9	84	16	7.1	0.00
13/07/2022 11:40	4.6	86	14	7.2	0.00
13/07/2022 11:50	4.8	87	14	6.4	0.00
13/07/2022 12:00	4.4	84	14	5.9	0.00
13/07/2022 12:10	4.5	84	14	6.4	0.00
13/07/2022 12:20	4.4	79	15	6.9	0.00
13/07/2022 12:30	4.6	76	15	6.8	0.00
13/07/2022 12:40	5.0	77	13	7.8	0.00
13/07/2022 12:50	4.8	73	14	6.7	0.00
13/07/2022 13:00	4.5	71	15	6.6	0.00
13/07/2022 13:10	4.1	70	14	5.7	0.00
13/07/2022 13:20	3.5	67	18	5.7	0.00
13/07/2022 13:30	3.8	61	16	5.6	0.00
13/07/2022 13:40	3.9	67	19	5.3	0.00
13/07/2022 13:50	3.7	72	13	5.6	0.00
13/07/2022 14:00	3.5	63	14	5.2	0.00
13/07/2022 14:10	3.8	59	13	5.4	0.00
13/07/2022 14:20	4.1	57	13	5.5	0.00
13/07/2022 14:30	4.5	57	9	6.2	0.00
13/07/2022 14:40	4.6	56	10	6.1	0.00
13/07/2022 14:50	4.3	47	14	5.8	0.00
13/07/2022 15:00	4.6	47	11	6.2	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/07/2022 15:10	4.3	46	13	6.3	0.00
13/07/2022 15:20	4.0	43	11	5.6	0.00
13/07/2022 15:30	4.0	43	13	5.3	0.00
13/07/2022 15:40	3.7	41	12	5.4	0.00
13/07/2022 15:50	3.8	38	15	5.3	0.00
13/07/2022 16:00	3.9	36	14	5.2	0.00
13/07/2022 16:10	3.6	35	12	5.3	0.00
13/07/2022 16:20	4.0	33	13	5.5	0.00
13/07/2022 16:30	3.8	33	14	5.4	0.00
13/07/2022 16:40	3.6	35	13	4.9	0.00
13/07/2022 16:50	3.4	35	13	4.8	0.00
13/07/2022 17:00	3.0	36	15	4.4	0.00
13/07/2022 17:10	2.6	38	15	3.7	0.00
13/07/2022 17:20	2.5	40	14	3.9	0.00
13/07/2022 17:30	2.0	41	13	3.0	0.00
13/07/2022 17:40	1.6	43	14	2.4	0.00
13/07/2022 17:50	1.1	53	16	1.8	0.00
13/07/2022 18:00	0.7	80	18	1.4	0.00
13/07/2022 18:10	1.0	88	17	1.8	0.00
13/07/2022 18:20	1.1	98	17	1.6	0.00
13/07/2022 18:30	1.1	102	19	1.6	0.00
13/07/2022 18:40	1.2	97	14	1.6	0.00
13/07/2022 18:50	1.0	95	16	1.4	0.00
13/07/2022 19:00	0.8	99	18	1.4	0.00
13/07/2022 19:10	0.7	104	12	1.2	0.00
13/07/2022 19:20	0.8	106	13	1.2	0.00
13/07/2022 19:30	0.9	120	11	1.3	0.00
13/07/2022 19:40	1.2	109	11	1.6	0.00
13/07/2022 19:50	1.2	103	12	1.7	0.00
13/07/2022 20:00	1.2	107	18	1.6	0.00
13/07/2022 20:10	0.8	101	16	1.3	0.00
13/07/2022 20:20	1.2	110	14	1.7	0.00
13/07/2022 20:30	1.0	100	15	1.5	0.00
13/07/2022 20:40	0.9	93	16	1.3	0.00
13/07/2022 20:50	0.7	94	15	1.1	0.00
13/07/2022 21:00	0.9	86	15	1.6	0.00
13/07/2022 21:10	1.2	83	11	1.6	0.00
13/07/2022 21:20	1.1	86	8	1.5	0.00
13/07/2022 21:30	0.7	86	8	1.0	0.00
13/07/2022 21:40	0.5	89	13	0.8	0.00
13/07/2022 21:50	0.3	85	7	0.8	0.00
13/07/2022 22:00	0.4	86	19	0.8	0.00
13/07/2022 22:10	0.1	120	13	0.8	0.00
13/07/2022 22:20	0.6	112	31	1.2	0.00
13/07/2022 22:30	0.2	144	20	0.9	0.00





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/07/2022 22:40	0.2	123	13	0.7	0.00
13/07/2022 22:50	0.5	152	30	1.0	0.00
13/07/2022 23:00	0.7	104	48	1.3	0.00
13/07/2022 23:10	0.7	247	59	1.6	0.00
13/07/2022 23:20	0.2	164	7	0.7	0.00
13/07/2022 23:30	0.3	149	15	0.8	0.00
13/07/2022 23:40	0.3	46	37	0.8	0.00
13/07/2022 23:50	0.4	163	11	0.9	0.00
14/07/2022 00:00	0.8	329	50	1.6	0.00
14/07/2022 00:10	0.7	30	33	1.2	0.00
14/07/2022 00:20	1.0	164	82	2.0	0.00
14/07/2022 00:30	1.7	177	58	3.2	0.00
14/07/2022 00:40	1.4	111	61	2.9	0.00
14/07/2022 00:50	1.3	208	63	2.4	0.00
14/07/2022 01:00	3.1	181	18	4.5	0.00
14/07/2022 01:10	3.1	181	17	4.4	0.00
14/07/2022 01:20	1.8	149	75	3.5	0.00
14/07/2022 01:30	1.1	85	63	2.1	0.00
14/07/2022 01:40	1.5	155	60	2.6	0.00
14/07/2022 01:50	1.1	200	67	1.8	0.00
14/07/2022 02:00	1.7	124	47	3.5	0.00
14/07/2022 02:10	3.0	154	14	4.3	0.00
14/07/2022 02:20	3.1	155	14	4.1	0.00
14/07/2022 02:30	2.9	151	14	4.2	0.00
14/07/2022 02:40	2.2	133	19	3.6	0.00
14/07/2022 02:50	2.3	141	20	3.7	0.00
14/07/2022 03:00	2.0	131	17	3.2	0.00
14/07/2022 03:10	2.1	131	17	3.2	0.00
14/07/2022 03:20	2.9	150	16	4.1	0.00
14/07/2022 03:30	2.2	141	16	3.3	0.00
14/07/2022 03:40	1.9	129	17	3.0	0.00
14/07/2022 03:50	1.7	121	14	2.3	0.00
14/07/2022 04:00	1.9	141	20	2.9	0.00
14/07/2022 04:10	1.7	128	20	3.1	0.00
14/07/2022 04:20	2.1	119	17	3.2	0.00
14/07/2022 04:30	2.1	114	14	3.4	0.00
14/07/2022 04:40	2.2	119	16	3.2	0.00
14/07/2022 04:50	1.5	93	14	2.3	0.00
14/07/2022 05:00	1.2	75	19	2.1	0.00
14/07/2022 05:10	2.1	101	15	2.9	0.00
14/07/2022 05:20	2.2	103	17	3.2	0.00
14/07/2022 05:30	1.3	36	16	2.0	0.00
14/07/2022 05:40	1.0	22	17	1.8	0.00
14/07/2022 05:50	1.2	15	38	2.0	0.00
14/07/2022 06:00	1.7	100	30	3.4	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/07/2022 06:10	2.1	130	31	3.8	0.00
14/07/2022 06:20	1.7	153	17	2.3	0.00
14/07/2022 06:30	1.2	104	27	2.2	0.00
14/07/2022 06:40	1.3	81	34	2.6	0.00
14/07/2022 06:50	1.1	56	19	1.7	0.00
14/07/2022 07:00	1.3	108	33	2.1	0.00
14/07/2022 07:10	1.0	137	21	1.6	0.00
14/07/2022 07:20	1.2	171	27	1.9	0.00
14/07/2022 07:30	1.2	201	25	1.9	0.00
14/07/2022 07:40	1.0	349	43	1.5	0.00
14/07/2022 07:50	1.1	7	29	1.6	0.00
14/07/2022 08:00	1.1	186	20	1.8	0.00
14/07/2022 08:10	1.1	20	49	1.7	0.00
14/07/2022 08:20	1.0	224	67	2.2	0.00
14/07/2022 08:30	1.3	113	58	2.5	0.00
14/07/2022 08:40	1.5	134	44	2.5	0.00
14/07/2022 08:50	1.3	176	60	2.3	0.00
14/07/2022 09:00	1.3	110	79	2.2	0.00
14/07/2022 09:10	2.0	104	37	3.6	0.00
14/07/2022 09:20	1.1	106	50	2.4	0.00
14/07/2022 09:30	1.0	102	70	2.0	0.00
14/07/2022 09:40	1.5	109	50	2.6	0.00
14/07/2022 09:50	2.6	87	25	4.4	0.00
14/07/2022 10:00	3.1	78	14	4.8	0.00
14/07/2022 10:10	2.9	80	13	4.0	0.00
14/07/2022 10:20	2.5	68	20	3.6	0.00
14/07/2022 10:30	2.7	70	14	3.9	0.00
14/07/2022 10:40	2.8	69	16	4.4	0.00
14/07/2022 10:50	2.2	82	30	3.8	0.00
14/07/2022 11:00	2.6	77	24	4.2	0.00
14/07/2022 11:10	3.7	78	13	5.4	0.00
14/07/2022 11:20	3.9	80	12	5.3	0.00
14/07/2022 11:30	4.2	82	12	6.0	0.00
14/07/2022 11:40	3.9	82	14	5.9	0.00
14/07/2022 11:50	3.8	80	15	5.2	0.00
14/07/2022 12:00	3.9	84	13	5.5	0.00
14/07/2022 12:10	3.3	82	13	4.8	0.00
14/07/2022 12:20	2.4	69	21	3.7	0.00
14/07/2022 12:30	2.7	48	19	3.9	0.00
14/07/2022 12:40	2.5	40	15	3.2	0.00
14/07/2022 12:50	2.7	32	18	3.5	0.00
14/07/2022 13:00	3.1	36	14	4.3	0.00
14/07/2022 13:10	3.3	30	14	4.3	0.00
14/07/2022 13:20	3.2	31	14	4.1	0.00
14/07/2022 13:30	2.8	46	14	4.0	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/07/2022 13:40	2.9	48	13	4.0	0.00
14/07/2022 13:50	3.0	59	14	4.0	0.00
14/07/2022 14:00	3.5	60	11	4.6	0.00
14/07/2022 14:10	3.1	62	15	4.1	0.00
14/07/2022 14:20	3.4	54	10	4.5	0.00
14/07/2022 14:30	3.2	58	12	4.1	0.00
14/07/2022 14:40	2.9	65	13	4.0	0.00
14/07/2022 14:50	2.9	75	15	4.0	0.00
14/07/2022 15:00	2.9	63	13	3.8	0.00
14/07/2022 15:10	2.7	59	14	3.6	0.00
14/07/2022 15:20	2.7	57	13	3.5	0.00
14/07/2022 15:30	2.6	69	16	3.5	0.00
14/07/2022 15:40	2.6	63	13	3.3	0.00
14/07/2022 15:50	2.3	67	13	3.2	0.00
14/07/2022 16:00	2.2	61	13	3.0	0.00
14/07/2022 16:10	2.3	60	14	3.2	0.00
14/07/2022 16:20	2.3	68	13	3.0	0.00
14/07/2022 16:30	2.0	64	14	2.6	0.00
14/07/2022 16:40	2.1	53	11	2.8	0.00
14/07/2022 16:50	1.7	53	17	2.3	0.00
14/07/2022 17:00	1.6	55	16	2.2	0.00
14/07/2022 17:10	1.6	63	17	2.3	0.00
14/07/2022 17:20	1.4	73	13	2.0	0.00
14/07/2022 17:30	1.0	91	16	1.5	0.00
14/07/2022 17:40	0.6	92	8	0.9	0.00
14/07/2022 17:50	0.8	95	8	1.2	0.00
14/07/2022 18:00	0.8	89	9	1.2	0.00
14/07/2022 18:10	0.3	93	13	0.8	0.00
14/07/2022 18:20	0.6	127	19	0.9	0.00
14/07/2022 18:30	0.1	122	11	0.7	0.00
14/07/2022 18:40	0.1	148	4	0.8	0.00
14/07/2022 18:50	1.0	157	15	1.3	0.00
14/07/2022 19:00	0.2	146	22	0.8	0.00
14/07/2022 19:10	0.2	126	30	0.7	0.00
14/07/2022 19:20	0.4	159	6	0.9	0.00
14/07/2022 19:30	0.8	173	7	1.0	0.00
14/07/2022 19:40	0.5	173	7	1.0	0.00
14/07/2022 19:50	0.4	85	3	0.8	0.00
14/07/2022 20:00	0.1	89	0	0.6	0.00
14/07/2022 20:10	0.0	136	0	0.4	0.00
14/07/2022 20:20					0.00
14/07/2022 20:30	0.2	349	5	0.6	0.00
14/07/2022 20:40	0.1	214	4	0.5	0.00
14/07/2022 20:50	0.1	106	3	0.4	0.00
14/07/2022 21:00					0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/07/2022 21:10					0.00
14/07/2022 21:20	0.0	16	0	0.4	0.00
14/07/2022 21:30	0.1	17	1	0.4	0.00
14/07/2022 21:40	0.4	73	7	0.8	0.00
14/07/2022 21:50	0.7	76	12	0.9	0.00
14/07/2022 22:00	0.5	102	14	0.9	0.00
14/07/2022 22:10	0.4	68	14	0.8	0.00
14/07/2022 22:20	0.3	47	19	0.8	0.00
14/07/2022 22:30	0.4	197	9	0.9	0.00
14/07/2022 22:40	0.8	342	13	1.2	0.00
14/07/2022 22:50	0.8	314	9	1.2	0.00
14/07/2022 23:00	0.3	179	19	0.9	0.00
14/07/2022 23:10					0.00
14/07/2022 23:20					0.00
14/07/2022 23:30					0.00
14/07/2022 23:40					0.00
14/07/2022 23:50					0.00
15/07/2022 00:00					0.00
15/07/2022 00:10	0.2	343	3	0.8	0.00
15/07/2022 00:20					0.00
15/07/2022 00:30					0.00
15/07/2022 00:40					0.00
15/07/2022 00:50	0.1	21	2	0.6	0.00
15/07/2022 01:00					0.00
15/07/2022 01:10	0.3	329	5	0.8	0.00
15/07/2022 01:20					0.00
15/07/2022 01:30	0.0	297	0	0.4	0.00
15/07/2022 01:40	0.0	298	2	0.4	0.00
15/07/2022 01:50	0.1	21	3	0.7	0.00
15/07/2022 02:00	1.4	185	26	3.6	0.00
15/07/2022 02:10	3.0	200	15	4.5	0.00
15/07/2022 02:20	3.6	196	13	4.8	0.00
15/07/2022 02:30	3.5	184	13	4.6	0.00
15/07/2022 02:40	2.7	197	24	4.4	0.00
15/07/2022 02:50	1.3	275	46	2.8	0.00
15/07/2022 03:00	1.0	305	64	1.9	0.00
15/07/2022 03:10	0.7	189	31	2.1	0.00
15/07/2022 03:20	0.5	347	12	1.0	0.00
15/07/2022 03:30	0.5	334	13	1.2	0.00
15/07/2022 03:40	1.0	334	19	2.0	0.00
15/07/2022 03:50	0.6	322	20	1.2	0.00
15/07/2022 04:00	0.8	342	31	1.3	0.00
15/07/2022 04:10	0.3	295	38	0.9	0.00
15/07/2022 04:20	0.5	168	18	1.0	0.00
15/07/2022 04:30	0.4	295	38	0.9	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/07/2022 04:40	0.6	331	17	1.2	0.00
15/07/2022 04:50	0.1	344	7	0.9	0.00
15/07/2022 05:00	0.6	19	41	1.7	0.00
15/07/2022 05:10	0.7	299	39	1.2	0.00
15/07/2022 05:20	0.5	312	18	1.0	0.00
15/07/2022 05:30	0.9	315	12	1.5	0.00
15/07/2022 05:40	0.6	322	17	1.2	0.00
15/07/2022 05:50	1.1	327	20	1.5	0.00
15/07/2022 06:00	1.2	345	12	1.5	0.00
15/07/2022 06:10	0.9	13	25	1.4	0.00
15/07/2022 06:20	0.2	119	20	0.8	0.00
15/07/2022 06:30	0.8	55	28	1.6	0.00
15/07/2022 06:40	1.2	48	33	2.0	0.00
15/07/2022 06:50	0.7	10	23	1.2	0.00
15/07/2022 07:00	1.3	106	16	2.1	0.00
15/07/2022 07:10	2.4	110	9	3.2	0.00
15/07/2022 07:20	2.1	120	13	2.9	0.00
15/07/2022 07:30	2.7	113	11	3.4	0.00
15/07/2022 07:40	2.6	116	11	3.2	0.00
15/07/2022 07:50	2.9	118	15	4.0	0.00
15/07/2022 08:00	2.5	125	18	3.5	0.00
15/07/2022 08:10	2.4	143	17	3.7	0.00
15/07/2022 08:20	2.8	153	14	3.8	0.00
15/07/2022 08:30	2.7	156	14	3.6	0.00
15/07/2022 08:40	2.8	159	15	4.2	0.00
15/07/2022 08:50	2.6	150	16	3.5	0.00
15/07/2022 09:00	2.9	159	10	4.0	0.00
15/07/2022 09:10	2.8	155	14	3.8	0.00
15/07/2022 09:20	2.7	154	16	3.7	0.00
15/07/2022 09:30	2.3	137	24	4.0	0.00
15/07/2022 09:40	2.2	113	20	3.3	0.00
15/07/2022 09:50	2.2	117	15	3.6	0.00
15/07/2022 10:00	2.6	114	17	3.7	0.00
15/07/2022 10:10	2.7	103	11	3.4	0.00
15/07/2022 10:20	2.6	102	11	3.6	0.00
15/07/2022 10:30	2.4	102	13	3.2	0.00
15/07/2022 10:40	2.4	96	15	3.2	0.00
15/07/2022 10:50	2.1	89	13	2.8	0.00
15/07/2022 11:00	2.3	80	13	2.8	0.00
15/07/2022 11:10	2.3	82	15	2.8	0.00
15/07/2022 11:20	2.2	71	16	3.0	0.00
15/07/2022 11:30	2.2	71	14	2.8	0.00
15/07/2022 11:40	2.3	57	13	2.8	0.00
15/07/2022 11:50	2.1	63	9	2.6	0.00
15/07/2022 12:00	2.0	65	12	2.5	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/07/2022 12:10	1.9	61	17	2.5	0.00
15/07/2022 12:20	2.1	64	11	2.6	0.00
15/07/2022 12:30	2.1	64	14	2.8	0.00
15/07/2022 12:40	2.2	68	17	3.1	0.00
15/07/2022 12:50	2.4	71	11	3.0	0.00
15/07/2022 13:00	2.4	71	13	3.2	0.00
15/07/2022 13:10	2.5	57	14	3.5	0.00
15/07/2022 13:20	2.5	58	12	3.4	0.00
15/07/2022 13:30	3.0	56	13	4.0	0.00
15/07/2022 13:40	2.9	57	14	3.9	0.00
15/07/2022 13:50	2.8	49	15	3.5	0.00
15/07/2022 14:00	2.6	52	15	3.7	0.00
15/07/2022 14:10	2.6	47	15	3.9	0.00
15/07/2022 14:20	2.9	44	13	4.0	0.00
15/07/2022 14:30	2.8	44	15	4.0	0.00
15/07/2022 14:40	3.2	45	11	4.4	0.00
15/07/2022 14:50	3.3	48	11	4.2	0.00
15/07/2022 15:00	3.2	37	13	4.8	0.00
15/07/2022 15:10	3.3	39	13	4.4	0.00
15/07/2022 15:20	3.5	46	12	4.8	0.00
15/07/2022 15:30	3.2	50	13	4.4	0.00
15/07/2022 15:40	2.7	51	15	3.6	0.00
15/07/2022 15:50	2.7	53	14	3.8	0.00
15/07/2022 16:00	2.7	58	11	3.9	0.00
15/07/2022 16:10	2.6	54	12	3.4	0.00
15/07/2022 16:20	2.4	64	11	3.2	0.00
15/07/2022 16:30	2.1	69	13	2.8	0.00
15/07/2022 16:40	1.9	66	14	2.6	0.00
15/07/2022 16:50	1.9	66	12	2.5	0.00
15/07/2022 17:00	1.7	71	14	2.3	0.00
15/07/2022 17:10	1.2	83	12	1.6	0.00
15/07/2022 17:20	1.2	86	15	1.7	0.00
15/07/2022 17:30	1.1	95	15	1.6	0.00
15/07/2022 17:40	0.7	116	14	1.2	0.00
15/07/2022 17:50	0.4	206	30	0.8	0.00
15/07/2022 18:00	0.3	205	8	0.8	0.00
15/07/2022 18:10					0.00
15/07/2022 18:20	0.7	317	8	0.9	0.00
15/07/2022 18:30	0.7	323	13	1.0	0.00
15/07/2022 18:40	0.8	330	13	1.2	0.00
15/07/2022 18:50	0.7	280	16	1.2	0.00
15/07/2022 19:00	0.3	304	7	0.9	0.00
15/07/2022 19:10	0.4	340	5	1.0	0.00
15/07/2022 19:20	0.7	320	30	1.1	0.00
15/07/2022 19:30	0.6	304	21	1.4	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/07/2022 19:40	0.8	289	18	1.2	0.00
15/07/2022 19:50	0.9	266	21	1.4	0.00
15/07/2022 20:00	0.9	272	20	1.4	0.00
15/07/2022 20:10	0.6	276	7	0.9	0.00
15/07/2022 20:20	0.1	12	10	0.6	0.00
15/07/2022 20:30	0.4	178	17	0.9	0.00
15/07/2022 20:40	0.1	166	14	0.8	0.00
15/07/2022 20:50	0.5	36	28	0.8	0.00
15/07/2022 21:00	0.2	55	16	0.8	0.00
15/07/2022 21:10	0.6	146	33	1.1	0.00
15/07/2022 21:20	0.6	139	38	1.1	0.00
15/07/2022 21:30	0.1	207	2	0.4	0.00
15/07/2022 21:40	0.5	169	2	0.9	0.00
15/07/2022 21:50	0.2	93	6	0.7	0.00
15/07/2022 22:00	0.5	322	31	1.0	0.00
15/07/2022 22:10	0.6	8	32	1.0	0.00
15/07/2022 22:20	0.2	75	0	0.6	0.00
15/07/2022 22:30	0.2	105	21	0.6	0.00
15/07/2022 22:40	0.2	77	4	1.0	0.00
15/07/2022 22:50	0.2	332	11	0.8	0.00
15/07/2022 23:00	0.1	354	2	0.8	0.00
15/07/2022 23:10	0.1	159	24	0.5	0.00
15/07/2022 23:20	0.3	237	34	0.8	0.00
15/07/2022 23:30	0.3	39	21	0.8	0.00
15/07/2022 23:40	0.4	111	17	0.8	0.00
15/07/2022 23:50	0.5	98	49	0.9	0.00
16/07/2022 00:00	0.6	140	55	1.2	0.00
16/07/2022 00:10	1.2	196	44	2.6	0.00
16/07/2022 00:20	2.3	204	26	3.8	0.00
16/07/2022 00:30	2.4	207	24	3.7	0.00
16/07/2022 00:40	2.3	195	26	3.6	0.00
16/07/2022 00:50	1.3	120	48	2.4	0.00
16/07/2022 01:00	1.2	126	45	2.4	0.00
16/07/2022 01:10	1.7	133	36	2.8	0.00
16/07/2022 01:20	1.1	33	32	2.0	0.00
16/07/2022 01:30	1.0	178	40	1.7	0.00
16/07/2022 01:40	0.9	324	40	1.4	0.00
16/07/2022 01:50	1.0	308	74	2.0	0.00
16/07/2022 02:00	1.4	238	67	2.2	0.00
16/07/2022 02:10	1.8	157	75	3.4	0.00
16/07/2022 02:20	3.0	184	17	4.4	0.00
16/07/2022 02:30	4.2	184	11	5.6	0.00
16/07/2022 02:40	2.7	175	25	4.8	0.00
16/07/2022 02:50	3.3	178	14	5.0	0.00
16/07/2022 03:00	3.5	177	15	5.2	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/07/2022 03:10	3.0	186	22	4.8	0.00
16/07/2022 03:20	1.6	283	52	2.6	0.00
16/07/2022 03:30	1.1	307	26	1.5	0.00
16/07/2022 03:40	0.4	207	47	1.1	0.00
16/07/2022 03:50	1.0	309	25	1.6	0.00
16/07/2022 04:00	1.4	240	56	3.2	0.00
16/07/2022 04:10	3.1	167	31	5.0	0.00
16/07/2022 04:20	3.8	171	10	5.0	0.00
16/07/2022 04:30	3.5	169	14	4.6	0.00
16/07/2022 04:40	3.3	171	14	4.7	0.00
16/07/2022 04:50	3.3	173	13	4.6	0.00
16/07/2022 05:00	4.0	187	11	5.3	0.00
16/07/2022 05:10	3.8	181	12	5.2	0.00
16/07/2022 05:20	3.8	187	12	5.1	0.00
16/07/2022 05:30	4.5	188	11	6.0	0.00
16/07/2022 05:40	4.9	184	11	6.2	0.00
16/07/2022 05:50	4.8	182	10	6.3	0.00
16/07/2022 06:00	5.0	180	9	6.1	0.00
16/07/2022 06:10	5.4	184	11	6.7	0.00
16/07/2022 06:20	5.4	189	11	6.7	0.00
16/07/2022 06:30	5.7	188	9	7.2	0.00
16/07/2022 06:40	5.4	190	10	6.8	0.00
16/07/2022 06:50	4.9	190	10	6.5	0.00
16/07/2022 07:00	3.0	178	21	4.9	0.00
16/07/2022 07:10	1.5	144	25	2.4	0.00
16/07/2022 07:20	1.7	131	22	2.7	0.00
16/07/2022 07:30	2.0	140	22	3.8	0.00
16/07/2022 07:40	2.7	143	24	4.4	0.00
16/07/2022 07:50	1.9	138	25	3.2	0.00
16/07/2022 08:00	2.0	144	20	3.5	0.00
16/07/2022 08:10	1.8	114	23	3.2	0.00
16/07/2022 08:20	1.9	111	19	3.2	0.00
16/07/2022 08:30	2.0	101	24	3.0	0.00
16/07/2022 08:40	2.3	112	16	3.5	0.00
16/07/2022 08:50	2.5	108	16	3.6	0.00
16/07/2022 09:00	2.4	119	20	3.4	0.00
16/07/2022 09:10	2.8	115	19	4.4	0.00
16/07/2022 09:20	2.5	110	19	4.2	0.00
16/07/2022 09:30	2.9	118	17	4.4	0.00
16/07/2022 09:40	2.9	125	23	4.6	0.00
16/07/2022 09:50	2.8	118	18	4.0	0.00
16/07/2022 10:00	2.9	121	17	4.0	0.00
16/07/2022 10:10	2.6	123	16	3.9	0.00
16/07/2022 10:20	2.5	122	19	3.6	0.00
16/07/2022 10:30	2.3	119	16	3.3	0.00





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/07/2022 10:40	2.2	74	19	2.9	0.00
16/07/2022 10:50	2.1	53	17	3.1	0.00
16/07/2022 11:00	2.2	46	11	2.9	0.00
16/07/2022 11:10	2.3	53	11	3.0	0.00
16/07/2022 11:20	2.1	50	15	3.1	0.00
16/07/2022 11:30	2.0	48	22	3.1	0.00
16/07/2022 11:40	2.0	49	15	2.6	0.00
16/07/2022 11:50	1.9	47	19	2.6	0.00
16/07/2022 12:00	2.5	45	15	3.6	0.00
16/07/2022 12:10	2.9	47	10	3.6	0.00
16/07/2022 12:20	2.9	46	11	3.6	0.00
16/07/2022 12:30	3.0	44	12	4.0	0.00
16/07/2022 12:40	2.5	41	14	3.2	0.00
16/07/2022 12:50	1.8	38	19	2.6	0.00
16/07/2022 13:00	2.5	38	15	3.4	0.00
16/07/2022 13:10	3.1	44	12	3.9	0.00
16/07/2022 13:20	2.8	42	14	3.9	0.00
16/07/2022 13:30	3.2	38	14	4.6	0.00
16/07/2022 13:40	3.1	44	13	4.4	0.00
16/07/2022 13:50	3.3	40	15	4.4	0.00
16/07/2022 14:00	3.0	48	13	4.0	0.00
16/07/2022 14:10	3.0	45	13	4.3	0.00
16/07/2022 14:20	2.7	53	14	4.0	0.00
16/07/2022 14:30	2.9	51	17	4.0	0.00
16/07/2022 14:40	2.6	47	17	3.8	0.00
16/07/2022 14:50	2.5	55	14	3.5	0.00
16/07/2022 15:00	3.0	46	12	4.1	0.00
16/07/2022 15:10	3.1	39	12	4.0	0.00
16/07/2022 15:20	2.5	47	15	3.3	0.00
16/07/2022 15:30	2.6	44	13	3.6	0.00
16/07/2022 15:40	2.9	44	12	4.1	0.00
16/07/2022 15:50	2.8	47	12	3.7	0.00
16/07/2022 16:00	2.4	43	15	3.5	0.00
16/07/2022 16:10	2.5	44	13	3.5	0.00
16/07/2022 16:20	2.1	50	13	2.8	0.00
16/07/2022 16:30	2.4	43	12	3.2	0.00
16/07/2022 16:40	2.2	44	12	3.1	0.00
16/07/2022 16:50	2.4	41	14	3.3	0.00
16/07/2022 17:00	2.5	34	13	3.5	0.00
16/07/2022 17:10	2.3	31	14	3.5	0.00
16/07/2022 17:20	2.1	31	13	3.0	0.00
16/07/2022 17:30	1.9	29	14	2.7	0.00
16/07/2022 17:40	2.0	22	13	3.2	0.00
16/07/2022 17:50	2.2	16	14	3.2	0.00
16/07/2022 18:00	2.3	20	14	3.5	0.00



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/07/2022 18:10	1.5	18	15	2.8	0.00
16/07/2022 18:20	0.6	223	37	1.2	0.00
16/07/2022 18:30	1.0	293	19	1.5	0.00
16/07/2022 18:40	0.7	295	47	1.1	0.00
16/07/2022 18:50	0.7	308	36	1.2	0.00
16/07/2022 19:00	0.6	297	31	1.5	0.00
16/07/2022 19:10	0.5	257	32	1.0	0.00
16/07/2022 19:20	0.7	222	32	1.1	0.00
16/07/2022 19:30	0.5	167	49	0.8	0.00
16/07/2022 19:40	1.0	166	35	1.4	0.00
16/07/2022 19:50	0.7	220	41	1.3	0.00
16/07/2022 20:00	0.7	327	36	1.3	0.00
16/07/2022 20:10	0.7	306	28	1.0	0.00
16/07/2022 20:20	0.7	302	48	1.2	0.00
16/07/2022 20:30	0.8	290	22	1.1	0.00
16/07/2022 20:40	1.0	316	42	1.8	0.00
16/07/2022 20:50	0.4	174	31	1.0	0.00
16/07/2022 21:00	0.7	319	28	1.3	0.00
16/07/2022 21:10	0.7	325	29	1.1	0.00
16/07/2022 21:20	0.2	327	5	0.8	0.00
16/07/2022 21:30					0.00
16/07/2022 21:40	0.4	188	3	0.7	0.00
16/07/2022 21:50	0.6	160	7	0.8	0.00
16/07/2022 22:00					0.00
16/07/2022 22:10	0.2	178	3	0.9	0.00
16/07/2022 22:20	0.4	127	12	0.8	0.00
16/07/2022 22:30	0.1	98	3	0.5	0.00
16/07/2022 22:40	0.1	162	10	0.5	0.00
16/07/2022 22:50	0.2	79	27	0.7	0.00
16/07/2022 23:00	0.2	153	36	0.6	0.00
16/07/2022 23:10	0.3	8	5	0.8	0.00
16/07/2022 23:20	0.6	339	13	0.8	0.00
16/07/2022 23:30	0.2	179	5	0.5	0.00
16/07/2022 23:40					0.00
16/07/2022 23:50					0.00
17/07/2022 00:00					0.00
17/07/2022 00:10	0.6	347	4	1.2	0.00
17/07/2022 00:20	0.3	315	16	0.8	0.00
17/07/2022 00:30	0.3	94	12	0.9	0.00
17/07/2022 00:40	0.0	175	1	0.8	0.00
17/07/2022 00:50	0.8	161	10	1.2	0.00
17/07/2022 01:00	0.2	122	4	0.7	0.00
17/07/2022 01:10	0.4	197	10	1.9	0.00
17/07/2022 01:20	0.8	243	44	1.4	0.00
17/07/2022 01:30	0.7	6	28	1.2	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/07/2022 01:40	0.5	51	32	1.1	0.00
17/07/2022 01:50	0.6	255	10	1.4	0.00
17/07/2022 02:00	0.7	160	10	1.2	0.00
17/07/2022 02:10	0.6	215	41	1.4	0.00
17/07/2022 02:20	1.0	214	58	1.8	0.00
17/07/2022 02:30	2.5	187	20	3.7	0.00
17/07/2022 02:40	2.4	190	21	4.0	0.00
17/07/2022 02:50	1.1	284	80	2.0	0.00
17/07/2022 03:00	1.2	335	32	1.8	0.00
17/07/2022 03:10	0.9	328	25	1.6	0.00
17/07/2022 03:20	1.1	327	38	1.8	0.00
17/07/2022 03:30	1.0	161	41	2.0	0.00
17/07/2022 03:40	1.7	104	60	3.5	0.00
17/07/2022 03:50	3.2	185	15	4.5	0.00
17/07/2022 04:00	3.5	181	16	4.9	0.00
17/07/2022 04:10	3.6	179	16	5.3	0.00
17/07/2022 04:20	3.7	176	13	5.6	0.00
17/07/2022 04:30	3.1	178	16	4.8	0.00
17/07/2022 04:40	3.3	175	17	4.4	0.00
17/07/2022 04:50	2.5	177	18	3.6	0.00
17/07/2022 05:00	3.0	174	17	4.8	0.00
17/07/2022 05:10	2.3	170	29	3.5	0.00
17/07/2022 05:20	1.8	73	57	3.1	0.00
17/07/2022 05:30	1.2	20	51	2.6	0.00
17/07/2022 05:40	1.2	177	47	2.4	0.00
17/07/2022 05:50	1.3	326	23	1.7	0.00
17/07/2022 06:00	1.1	334	14	1.4	0.00
17/07/2022 06:10	0.7	315	19	1.1	0.00
17/07/2022 06:20	0.9	335	17	1.2	0.00
17/07/2022 06:30	1.2	339	15	1.5	0.00
17/07/2022 06:40	0.8	171	21	1.2	0.00
17/07/2022 06:50	1.0	350	14	1.3	0.00
17/07/2022 07:00	1.0	181	15	1.2	0.00
17/07/2022 07:10	0.9	340	15	1.2	0.00
17/07/2022 07:20	0.8	320	16	1.1	0.00
17/07/2022 07:30	0.9	324	11	1.2	0.00
17/07/2022 07:40	0.9	333	12	1.2	0.00
17/07/2022 07:50	0.9	324	13	1.3	0.00
17/07/2022 08:00	1.1	314	33	1.5	0.00
17/07/2022 08:10	1.7	148	37	3.0	0.00
17/07/2022 08:20	2.6	158	21	3.9	0.00
17/07/2022 08:30	3.0	161	16	4.3	0.00
17/07/2022 08:40	2.6	155	17	3.5	0.00
17/07/2022 08:50	2.2	136	23	3.6	0.00
17/07/2022 09:00	2.0	139	22	3.2	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/07/2022 09:10	2.2	145	21	3.2	0.00
17/07/2022 09:20	2.5	149	20	4.0	0.00
17/07/2022 09:30	2.6	154	19	3.6	0.00
17/07/2022 09:40	2.7	151	22	3.9	0.00
17/07/2022 09:50	2.9	150	18	3.8	0.00
17/07/2022 10:00	2.8	157	16	3.7	0.00
17/07/2022 10:10	2.7	155	16	3.6	0.00
17/07/2022 10:20	2.9	151	16	4.2	0.00
17/07/2022 10:30	2.8	144	20	3.6	0.00
17/07/2022 10:40	2.5	108	16	3.6	0.00
17/07/2022 10:50	2.2	105	17	3.0	0.00
17/07/2022 11:00	2.1	102	17	2.7	0.00
17/07/2022 11:10	2.2	65	20	3.1	0.00
17/07/2022 11:20	2.5	53	7	3.0	0.00
17/07/2022 11:30	2.6	57	8	3.2	0.00
17/07/2022 11:40	2.5	55	12	3.0	0.00
17/07/2022 11:50	2.3	63	11	2.9	0.00
17/07/2022 12:00	2.4	58	12	2.9	0.00
17/07/2022 12:10	2.6	52	10	3.1	0.00
17/07/2022 12:20	2.3	68	13	3.0	0.00
17/07/2022 12:30	2.3	60	14	3.1	0.00
17/07/2022 12:40	2.4	53	12	3.1	0.00
17/07/2022 12:50	2.4	52	9	2.8	0.00
17/07/2022 13:00	2.4	56	10	2.8	0.00
17/07/2022 13:10	2.9	61	9	3.5	0.00
17/07/2022 13:20	3.0	59	12	3.6	0.00
17/07/2022 13:30	3.3	58	9	4.1	0.00
17/07/2022 13:40	3.3	60	9	4.0	0.00
17/07/2022 13:50	3.4	58	10	4.3	0.00
17/07/2022 14:00	3.5	56	11	4.7	0.00
17/07/2022 14:10	3.5	56	12	4.6	0.00
17/07/2022 14:20	3.1	56	13	4.4	0.00
17/07/2022 14:30	3.4	58	13	4.8	0.00
17/07/2022 14:40	3.1	54	12	4.2	0.00
17/07/2022 14:50	3.3	55	11	4.5	0.00
17/07/2022 15:00	3.4	53	11	4.5	0.00
17/07/2022 15:10	3.3	55	12	3.9	0.00
17/07/2022 15:20	3.3	54	11	4.5	0.00
17/07/2022 15:30	3.1	53	11	4.1	0.00
17/07/2022 15:40	3.1	55	10	4.1	0.00
17/07/2022 15:50	2.8	55	13	3.7	0.00
17/07/2022 16:00	2.8	53	10	3.6	0.00
17/07/2022 16:10	2.6	54	10	3.4	0.00
17/07/2022 16:20	2.3	54	11	3.0	0.00
17/07/2022 16:30	2.1	58	9	2.7	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/07/2022 16:40	2.0	57	10	2.6	0.00
17/07/2022 16:50	1.8	56	10	2.5	0.00
17/07/2022 17:00	1.5	60	10	2.0	0.00
17/07/2022 17:10	1.4	55	11	2.0	0.00
17/07/2022 17:20	0.7	93	16	1.1	0.00
17/07/2022 17:30	0.3	188	51	0.8	0.00
17/07/2022 17:40	0.4	313	17	1.0	0.00
17/07/2022 17:50	1.6	326	7	2.1	0.00
17/07/2022 18:00	1.2	331	11	1.6	0.00
17/07/2022 18:10	1.1	329	9	1.5	0.00
17/07/2022 18:20	1.1	317	10	1.4	0.00
17/07/2022 18:30	0.8	308	14	1.3	0.00
17/07/2022 18:40	0.8	298	31	1.6	0.00
17/07/2022 18:50	0.3	238	7	0.8	0.00
17/07/2022 19:00	0.9	288	25	1.3	0.00
17/07/2022 19:10	1.1	278	13	1.6	0.00
17/07/2022 19:20	1.2	285	15	1.7	0.00
17/07/2022 19:30	1.0	314	10	1.3	0.00
17/07/2022 19:40	0.1	230	15	0.4	0.00
17/07/2022 19:50	0.1	184	15	0.5	0.00
17/07/2022 20:00	0.4	324	6	0.9	0.00
17/07/2022 20:10	0.8	269	17	1.3	0.00
17/07/2022 20:20	1.4	228	18	2.0	0.00
17/07/2022 20:30	1.1	228	19	1.6	0.00
17/07/2022 20:40	1.4	216	16	2.0	0.00
17/07/2022 20:50	2.3	221	8	2.8	0.00
17/07/2022 21:00	2.1	216	12	2.8	0.00
17/07/2022 21:10	2.0	208	9	2.7	0.00
17/07/2022 21:20	1.7	206	15	2.4	0.00
17/07/2022 21:30	0.4	16	30	0.8	0.00
17/07/2022 21:40	0.2	347	9	0.8	0.00
17/07/2022 21:50	0.6	350	10	1.1	0.00
17/07/2022 22:00	0.6	259	29	1.3	0.00
17/07/2022 22:10	0.4	123	16	1.0	0.00
17/07/2022 22:20	0.2	120	8	0.8	0.00
17/07/2022 22:30	0.3	99	4	0.8	0.00
17/07/2022 22:40	0.0	56	0	0.6	0.00
17/07/2022 22:50	0.4	162	15	0.9	0.00
17/07/2022 23:00	0.1	7	0	0.6	0.00
17/07/2022 23:10	0.5	180	15	1.3	0.00
17/07/2022 23:20	0.4	142	5	0.9	0.00
17/07/2022 23:30	0.1	178	1	0.9	0.00
17/07/2022 23:40	0.0	162	1	0.6	0.00
17/07/2022 23:50	0.1	147	1	0.6	0.00
18/07/2022 00:00					0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/07/2022 00:10	0.1	14	7	0.6	0.00
18/07/2022 00:20	0.3	228	29	0.8	0.00
18/07/2022 00:30	0.5	178	7	1.2	0.00
18/07/2022 00:40	0.3	326	24	0.8	0.00
18/07/2022 00:50	0.0	58	0	0.4	0.00
18/07/2022 01:00	0.2	9	18	0.8	0.00
18/07/2022 01:10	0.3	170	6	0.8	0.00
18/07/2022 01:20	0.4	134	11	0.8	0.00
18/07/2022 01:30	0.2	110	20	0.6	0.00
18/07/2022 01:40	0.7	176	5	1.2	0.00
18/07/2022 01:50	0.3	153	20	0.8	0.00
18/07/2022 02:00	0.3	51	18	1.0	0.00
18/07/2022 02:10	0.5	91	22	1.3	0.00
18/07/2022 02:20	0.3	164	7	0.9	0.00
18/07/2022 02:30	0.1	242	2	0.7	0.00
18/07/2022 02:40	0.2	238	10	0.8	0.00
18/07/2022 02:50	0.2	182	31	0.8	0.00
18/07/2022 03:00					0.00
18/07/2022 03:10					0.00
18/07/2022 03:20					0.00
18/07/2022 03:30					0.00
18/07/2022 03:40					0.00
18/07/2022 03:50					0.00
18/07/2022 04:00	0.1	338	2	0.6	0.00
18/07/2022 04:10	0.2	333	9	0.8	0.00
18/07/2022 04:20	0.3	350	15	0.8	0.00
18/07/2022 04:30	0.1	278	6	0.6	0.00
18/07/2022 04:40	0.6	328	10	0.9	0.00
18/07/2022 04:50					0.00
18/07/2022 05:00					0.00
18/07/2022 05:10	0.1	347	1	0.6	0.00
18/07/2022 05:20					0.00
18/07/2022 05:30					0.00
18/07/2022 05:40					0.00
18/07/2022 05:50	0.1	20	3	0.9	0.00
18/07/2022 06:00	0.2	334	4	0.8	0.00
18/07/2022 06:10	0.2	251	3	0.6	0.00
18/07/2022 06:20	0.1	348	1	0.4	0.00
18/07/2022 06:30	0.1	184	3	0.8	0.00
18/07/2022 06:40	0.4	338	4	0.9	0.00
18/07/2022 06:50					0.00
18/07/2022 07:00					0.00
18/07/2022 07:10	0.0	166	0	0.4	0.00
18/07/2022 07:20	0.1	135	9	0.6	0.00
18/07/2022 07:30					0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/07/2022 07:40					0.00
18/07/2022 07:50	0.7	167	13	1.4	0.00
18/07/2022 08:00	0.2	349	5	0.8	0.00
18/07/2022 08:10	0.9	345	13	1.2	0.00
18/07/2022 08:20	0.6	356	25	1.1	0.00
18/07/2022 08:30	0.1	103	9	0.7	0.00
18/07/2022 08:40	0.6	56	17	1.2	0.00
18/07/2022 08:50	1.3	66	12	1.8	0.00
18/07/2022 09:00	1.2	93	17	1.6	0.00
18/07/2022 09:10	1.6	58	16	2.0	0.00
18/07/2022 09:20	1.8	47	11	2.2	0.00
18/07/2022 09:30	1.8	47	14	2.3	0.00
18/07/2022 09:40	1.8	48	16	2.4	0.00
18/07/2022 09:50	1.7	51	13	2.4	0.00
18/07/2022 10:00	1.7	66	16	2.2	0.00
18/07/2022 10:10	1.8	54	14	2.2	0.00
18/07/2022 10:20	2.0	54	11	2.4	0.00
18/07/2022 10:30	2.3	54	12	2.9	0.00
18/07/2022 10:40	2.5	51	11	3.1	0.00
18/07/2022 10:50	2.4	51	11	3.0	0.00
18/07/2022 11:00	2.6	52	9	3.2	0.00
18/07/2022 11:10	2.6	52	10	3.2	0.00
18/07/2022 11:20	2.5	56	13	3.0	0.00
18/07/2022 11:30	2.4	53	13	2.9	0.00
18/07/2022 11:40	2.8	51	8	3.2	0.00
18/07/2022 11:50	2.6	51	17	3.4	0.00
18/07/2022 12:00	2.6	52	17	3.3	0.00
18/07/2022 12:10	2.3	66	18	3.2	0.00
18/07/2022 12:20	2.5	47	12	3.2	0.00
18/07/2022 12:30	2.4	57	12	3.0	0.00
18/07/2022 12:40	2.4	61	10	2.9	0.00
18/07/2022 12:50	2.2	55	16	2.9	0.00
18/07/2022 13:00	2.7	63	11	3.4	0.00
18/07/2022 13:10	1.8	62	21	2.8	0.00
18/07/2022 13:20	2.2	162	34	3.7	0.00
18/07/2022 13:30	2.2	290	27	4.0	0.00
18/07/2022 13:40	2.3	293	31	3.6	0.00
18/07/2022 13:50	2.4	284	27	4.3	0.00
18/07/2022 14:00	2.5	295	25	4.0	0.00
18/07/2022 14:10	2.6	309	24	4.4	0.00
18/07/2022 14:20	2.5	301	25	4.0	0.00
18/07/2022 14:30	2.6	294	22	4.3	0.00
18/07/2022 14:40	2.6	293	24	4.4	0.00
18/07/2022 14:50	2.6	278	26	3.9	0.00
18/07/2022 15:00	2.5	264	28	3.5	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/07/2022 15:10	2.8	273	21	4.2	0.00
18/07/2022 15:20	2.3	274	23	3.6	0.00
18/07/2022 15:30	2.5	271	23	3.7	0.00
18/07/2022 15:40	2.6	258	24	4.0	0.00
18/07/2022 15:50	2.6	267	20	4.0	0.00
18/07/2022 16:00	3.0	278	17	4.4	0.00
18/07/2022 16:10	2.8	268	20	4.4	0.00
18/07/2022 16:20	3.1	304	18	4.6	0.00
18/07/2022 16:30	2.9	294	20	4.2	0.00
18/07/2022 16:40	2.4	283	23	3.5	0.00
18/07/2022 16:50	2.6	299	20	4.1	0.00
18/07/2022 17:00	2.7	297	19	3.9	0.00
18/07/2022 17:10	2.4	280	21	3.6	0.00
18/07/2022 17:20	2.5	276	19	4.0	0.00
18/07/2022 17:30	2.1	267	19	3.3	0.00
18/07/2022 17:40	2.5	258	16	4.0	0.00
18/07/2022 17:50	2.3	262	18	3.5	0.00
18/07/2022 18:00	2.1	272	18	3.3	0.00
18/07/2022 18:10	1.4	297	28	2.0	0.00
18/07/2022 18:20	1.3	309	20	2.0	0.00
18/07/2022 18:30	1.5	308	14	2.0	0.00
18/07/2022 18:40	1.7	279	16	2.5	0.00
18/07/2022 18:50	1.8	292	16	2.5	0.00
18/07/2022 19:00	1.5	292	18	2.1	0.00
18/07/2022 19:10	1.4	273	15	1.9	0.00
18/07/2022 19:20	1.5	291	18	2.1	0.00
18/07/2022 19:30	1.5	293	21	2.1	0.00
18/07/2022 19:40	1.6	269	16	2.3	0.00
18/07/2022 19:50	1.5	273	17	2.7	0.00
18/07/2022 20:00	1.7	261	23	2.8	0.00
18/07/2022 20:10	1.6	256	19	2.4	0.00
18/07/2022 20:20	1.7	241	19	2.4	0.00
18/07/2022 20:30	1.6	247	23	2.4	0.00
18/07/2022 20:40	1.5	247	18	2.4	0.00
18/07/2022 20:50	1.6	255	23	2.4	0.00
18/07/2022 21:00	1.4	278	19	2.0	0.00
18/07/2022 21:10	1.3	286	18	2.0	0.00
18/07/2022 21:20	1.8	244	14	2.4	0.00
18/07/2022 21:30	1.6	250	16	2.3	0.00
18/07/2022 21:40	1.4	269	23	2.0	0.00
18/07/2022 21:50	1.3	279	20	2.0	0.00
18/07/2022 22:00	1.0	304	20	1.6	0.00
18/07/2022 22:10	1.3	297	21	1.8	0.00
18/07/2022 22:20	1.1	298	22	2.1	0.00
18/07/2022 22:30	1.1	273	41	1.9	0.00





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/07/2022 22:40	1.7	218	37	2.5	0.00
18/07/2022 22:50	1.6	266	24	2.5	0.00
18/07/2022 23:00	1.2	295	23	2.0	0.00
18/07/2022 23:10	1.1	320	26	1.9	0.00
18/07/2022 23:20	1.1	268	36	2.1	0.00
18/07/2022 23:30	2.1	207	15	2.7	0.00
18/07/2022 23:40	2.1	206	15	2.7	0.00
18/07/2022 23:50	2.0	210	13	2.8	0.00
19/07/2022 00:00	1.8	217	35	2.8	0.00
19/07/2022 00:10	0.9	284	42	1.4	0.00
19/07/2022 00:20	0.6	277	34	1.5	0.00
19/07/2022 00:30	1.2	205	17	2.0	0.00
19/07/2022 00:40	2.3	205	8	2.8	0.00
19/07/2022 00:50	2.4	205	10	2.8	0.00
19/07/2022 01:00	2.0	205	11	2.8	0.00
19/07/2022 01:10	1.9	206	13	2.8	0.00
19/07/2022 01:20	2.2	208	10	2.8	0.00
19/07/2022 01:30	2.3	206	9	2.8	0.00
19/07/2022 01:40	2.1	207	10	2.8	0.00
19/07/2022 01:50	2.1	203	9	3.2	0.00
19/07/2022 02:00	1.8	202	10	2.2	0.00
19/07/2022 02:10	1.7	202	9	2.3	0.00
19/07/2022 02:20	1.4	204	10	1.9	0.00
19/07/2022 02:30	1.4	208	11	1.9	0.00
19/07/2022 02:40	1.1	203	12	1.7	0.00
19/07/2022 02:50	2.1	127	31	4.1	0.00
19/07/2022 03:00	1.7	106	26	2.9	0.00
19/07/2022 03:10	2.0	106	24	3.3	0.00
19/07/2022 03:20	1.3	97	24	2.2	0.00
19/07/2022 03:30	1.8	108	21	3.1	0.00
19/07/2022 03:40	1.8	106	18	3.4	0.00
19/07/2022 03:50	1.6	100	27	2.7	0.00
19/07/2022 04:00	2.4	115	16	3.6	0.00
19/07/2022 04:10	2.7	140	20	3.8	0.00
19/07/2022 04:20	3.0	158	16	4.3	0.00
19/07/2022 04:30	2.3	156	19	3.3	0.00
19/07/2022 04:40	2.5	145	19	3.9	0.00
19/07/2022 04:50	2.1	145	19	3.2	0.00
19/07/2022 05:00	2.1	153	19	3.4	0.00
19/07/2022 05:10	2.2	139	20	3.5	0.00
19/07/2022 05:20	2.1	145	18	3.2	0.00
19/07/2022 05:30	2.3	149	18	3.4	0.00
19/07/2022 05:40	2.3	143	23	3.9	0.00
19/07/2022 05:50	2.2	140	20	3.2	0.00
19/07/2022 06:00	2.3	145	20	4.1	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/07/2022 06:10	2.1	122	20	3.6	0.00
19/07/2022 06:20	2.8	130	20	4.1	0.00
19/07/2022 06:30	2.7	121	19	4.2	0.00
19/07/2022 06:40	2.9	120	16	4.6	0.00
19/07/2022 06:50	2.6	134	23	4.4	0.00
19/07/2022 07:00	2.8	129	23	4.8	0.00
19/07/2022 07:10	3.0	127	17	4.5	0.00
19/07/2022 07:20	3.2	128	20	4.6	0.00
19/07/2022 07:30	3.3	128	17	4.5	0.00
19/07/2022 07:40	3.3	132	18	5.0	0.00
19/07/2022 07:50	3.2	138	19	4.5	0.00
19/07/2022 08:00	3.6	149	18	4.8	0.00
19/07/2022 08:10	3.7	154	17	5.6	0.00
19/07/2022 08:20	3.9	154	16	5.8	0.00
19/07/2022 08:30	3.5	141	20	5.1	0.00
19/07/2022 08:40	3.5	132	19	5.5	0.00
19/07/2022 08:50	3.3	131	16	4.8	0.00
19/07/2022 09:00	3.0	124	22	4.8	0.00
19/07/2022 09:10	2.9	125	23	5.5	0.00
19/07/2022 09:20	2.9	115	16	4.4	0.00
19/07/2022 09:30	3.0	121	14	4.3	0.00
19/07/2022 09:40	2.3	121	18	3.6	0.00
19/07/2022 09:50	2.4	122	16	3.6	0.00
19/07/2022 10:00	2.4	125	16	3.4	0.00
19/07/2022 10:10	2.4	108	18	3.3	0.00
19/07/2022 10:20	2.1	88	17	3.1	0.00
19/07/2022 10:30	2.1	57	17	3.0	0.00
19/07/2022 10:40	2.1	48	15	2.8	0.00
19/07/2022 10:50	2.1	49	15	2.8	0.00
19/07/2022 11:00	2.1	54	15	2.9	0.00
19/07/2022 11:10	2.2	61	18	2.9	0.00
19/07/2022 11:20	2.5	62	15	3.3	0.00
19/07/2022 11:30	2.4	46	16	3.2	0.00
19/07/2022 11:40	3.2	50	13	4.1	0.00
19/07/2022 11:50	3.2	47	15	4.3	0.00
19/07/2022 12:00	3.0	40	15	4.3	0.00
19/07/2022 12:10	2.8	47	15	3.8	0.00
19/07/2022 12:20	3.0	45	16	4.4	0.00
19/07/2022 12:30	3.1	46	15	4.7	0.00
19/07/2022 12:40	3.5	44	14	4.8	0.00
19/07/2022 12:50	3.0	50	16	4.2	0.00
19/07/2022 13:00	3.0	44	15	4.6	0.00
19/07/2022 13:10	3.3	44	14	4.7	0.00
19/07/2022 13:20	3.4	50	14	4.8	0.00
19/07/2022 13:30	3.6	43	13	5.1	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/07/2022 13:40	3.6	46	13	5.2	0.00
19/07/2022 13:50	3.5	45	13	5.1	0.00
19/07/2022 14:00	3.7	44	15	5.3	0.00
19/07/2022 14:10	3.5	46	14	4.8	0.00
19/07/2022 14:20	4.0	43	16	5.7	0.00
19/07/2022 14:30	3.6	43	16	5.2	0.00
19/07/2022 14:40	3.2	46	15	4.9	0.00
19/07/2022 14:50	3.8	43	14	5.3	0.00
19/07/2022 15:00	4.5	46	13	6.2	0.00
19/07/2022 15:10	4.3	44	12	6.0	0.00
19/07/2022 15:20	3.9	46	14	5.6	0.00
19/07/2022 15:30	3.8	45	12	5.2	0.00
19/07/2022 15:40	3.6	42	15	5.1	0.00
19/07/2022 15:50	3.5	40	16	5.3	0.00
19/07/2022 16:00	3.7	33	14	5.6	0.00
19/07/2022 16:10	3.5	37	14	5.0	0.00
19/07/2022 16:20	3.6	34	13	5.1	0.00
19/07/2022 16:30	3.6	33	14	5.3	0.00
19/07/2022 16:40	3.5	25	13	4.8	0.00
19/07/2022 16:50	3.4	24	15	5.0	0.00
19/07/2022 17:00	3.2	27	15	4.7	0.00
19/07/2022 17:10	2.6	25	13	4.1	0.00
19/07/2022 17:20	2.5	3	13	3.9	0.00
19/07/2022 17:30	2.0	355	14	3.1	0.00
19/07/2022 17:40	1.1	350	21	1.8	0.00
19/07/2022 17:50	0.9	314	34	1.5	0.00
19/07/2022 18:00	1.3	302	12	1.7	0.00
19/07/2022 18:10	0.9	296	19	1.4	0.00
19/07/2022 18:20	1.1	302	17	2.0	0.00
19/07/2022 18:30	0.9	284	22	1.2	0.00
19/07/2022 18:40	0.7	187	64	1.3	0.00
19/07/2022 18:50	0.7	297	75	1.2	0.00
19/07/2022 19:00	0.6	295	79	1.3	0.00
19/07/2022 19:10	0.6	203	57	1.0	0.00
19/07/2022 19:20	0.8	227	44	1.4	0.00
19/07/2022 19:30	0.7	241	47	1.2	0.00
19/07/2022 19:40	0.7	222	46	1.2	0.00
19/07/2022 19:50	0.8	188	15	1.3	0.00
19/07/2022 20:00	0.8	210	25	1.2	0.00
19/07/2022 20:10	0.6	282	32	1.0	0.00
19/07/2022 20:20	0.7	281	30	1.2	0.00
19/07/2022 20:30	1.0	289	15	1.5	0.00
19/07/2022 20:40	1.0	289	17	1.5	0.00
19/07/2022 20:50	0.9	307	22	1.5	0.00
19/07/2022 21:00	1.2	314	18	2.0	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/07/2022 21:10	0.4	295	19	1.6	0.00
19/07/2022 21:20	1.0	288	15	1.5	0.00
19/07/2022 21:30	1.0	293	13	1.3	0.00
19/07/2022 21:40	0.6	298	22	1.1	0.00
19/07/2022 21:50	0.8	293	12	1.1	0.00
19/07/2022 22:00	1.0	272	15	1.2	0.00
19/07/2022 22:10	0.2	173	10	0.8	0.00
19/07/2022 22:20	0.1	118	9	0.6	0.00
19/07/2022 22:30	0.6	157	8	1.1	0.00
19/07/2022 22:40	0.2	153	7	0.9	0.00
19/07/2022 22:50	1.3	209	11	2.4	0.00
19/07/2022 23:00	2.4	224	11	2.9	0.00
19/07/2022 23:10	2.1	228	15	2.6	0.00
19/07/2022 23:20	0.9	69	45	1.3	0.00
19/07/2022 23:30	0.1	100	4	0.7	0.00
19/07/2022 23:40	0.1	55	10	0.5	0.00
19/07/2022 23:50	0.3	179	12	0.7	0.00
20/07/2022 00:00	1.0	190	26	1.8	0.00
20/07/2022 00:10	0.3	204	28	1.0	0.00
20/07/2022 00:20	1.0	244	26	1.8	0.00
20/07/2022 00:30	0.9	263	52	1.4	0.00
20/07/2022 00:40	0.8	224	66	1.5	0.00
20/07/2022 00:50	0.7	95	21	1.2	0.00
20/07/2022 01:00	0.5	158	46	1.1	0.00
20/07/2022 01:10	0.3	115	36	1.0	0.00
20/07/2022 01:20	0.5	13	32	1.5	0.00
20/07/2022 01:30	0.3	195	31	1.0	0.00
20/07/2022 01:40	0.5	308	34	1.2	0.00
20/07/2022 01:50	0.4	354	33	1.2	0.00
20/07/2022 02:00	0.3	210	14	0.8	0.00
20/07/2022 02:10	0.2	92	13	0.8	0.00
20/07/2022 02:20	0.3	252	39	0.8	0.00
20/07/2022 02:30	0.9	109	54	1.6	0.00
20/07/2022 02:40	0.9	279	40	1.3	0.00
20/07/2022 02:50	1.6	111	33	2.8	0.00
20/07/2022 03:00	2.7	185	23	4.4	0.00
20/07/2022 03:10	3.4	190	12	4.9	0.00
20/07/2022 03:20	3.4	188	12	4.7	0.00
20/07/2022 03:30	3.1	181	16	4.7	0.00
20/07/2022 03:40	2.4	188	19	4.0	0.00
20/07/2022 03:50	2.3	187	35	4.1	0.00
20/07/2022 04:00	3.9	189	10	5.0	0.00
20/07/2022 04:10	4.2	186	10	5.5	0.00
20/07/2022 04:20	3.4	177	13	4.9	0.00
20/07/2022 04:30	3.9	187	12	5.1	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/07/2022 04:40	3.2	168	14	4.3	0.00
20/07/2022 04:50	3.1	174	13	4.4	0.00
20/07/2022 05:00	2.5	155	20	3.9	0.00
20/07/2022 05:10	2.8	149	14	4.1	0.00
20/07/2022 05:20	2.1	137	18	3.2	0.00
20/07/2022 05:30	1.9	111	12	2.8	0.00
20/07/2022 05:40	1.6	113	13	2.3	0.00
20/07/2022 05:50	1.4	112	9	2.0	0.00
20/07/2022 06:00	1.2	96	10	1.8	0.00
20/07/2022 06:10	1.1	92	13	1.8	0.00
20/07/2022 06:20	2.5	115	13	3.6	0.00
20/07/2022 06:30	2.9	115	11	3.9	0.00
20/07/2022 06:40	2.0	115	16	3.1	0.00
20/07/2022 06:50	1.9	108	15	2.4	0.00
20/07/2022 07:00	2.0	107	10	2.8	0.00
20/07/2022 07:10	1.4	108	12	1.9	0.00
20/07/2022 07:20	0.8	97	16	1.2	0.00
20/07/2022 07:30	0.9	65	19	1.1	0.00
20/07/2022 07:40	0.5	168	17	0.8	0.00
20/07/2022 07:50	0.5	191	12	0.9	0.00
20/07/2022 08:00	1.6	80	15	2.3	0.00
20/07/2022 08:10	1.5	70	16	2.0	0.00
20/07/2022 08:20	1.5	69	16	2.0	0.00
20/07/2022 08:30	1.5	75	20	2.0	0.00
20/07/2022 08:40	1.7	73	21	2.6	0.00
20/07/2022 08:50	2.1	64	16	2.8	0.00
20/07/2022 09:00	2.5	59	11	3.2	0.00
20/07/2022 09:10	2.7	59	10	3.4	0.00
20/07/2022 09:20	2.5	61	12	3.3	0.00
20/07/2022 09:30	2.7	63	12	3.7	0.00
20/07/2022 09:40	3.0	73	13	3.6	0.00
20/07/2022 09:50	3.1	82	14	4.3	0.00
20/07/2022 10:00	2.9	76	16	4.0	0.00
20/07/2022 10:10	3.3	81	13	4.8	0.00
20/07/2022 10:20	3.2	82	14	4.4	0.00
20/07/2022 10:30	3.0	72	13	4.3	0.00
20/07/2022 10:40	2.9	75	15	4.2	0.00
20/07/2022 10:50	2.8	74	17	4.0	0.00
20/07/2022 11:00	3.2	62	14	4.6	0.00
20/07/2022 11:10	3.6	54	13	5.3	0.00
20/07/2022 11:20	3.8	62	16	5.4	0.00
20/07/2022 11:30	3.8	59	12	5.2	0.00
20/07/2022 11:40	3.6	60	14	5.2	0.00
20/07/2022 11:50	3.5	56	12	4.8	0.00
20/07/2022 12:00	3.4	56	12	4.7	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/07/2022 12:10	3.6	58	10	4.8	0.00
20/07/2022 12:20	3.7	58	12	4.6	0.00
20/07/2022 12:30	3.7	59	11	4.6	0.00
20/07/2022 12:40	3.5	50	13	4.6	0.00
20/07/2022 12:50	3.3	46	12	4.4	0.00
20/07/2022 13:00	2.9	40	12	4.0	0.00
20/07/2022 13:10	2.9	43	14	4.1	0.00
20/07/2022 13:20	2.8	51	14	3.7	0.00
20/07/2022 13:30	2.9	61	12	3.7	0.00
20/07/2022 13:40	3.5	53	10	4.4	0.00
20/07/2022 13:50	3.5	53	12	4.6	0.00
20/07/2022 14:00	3.5	56	9	4.4	0.00
20/07/2022 14:10	3.5	51	10	4.6	0.00
20/07/2022 14:20	3.1	62	13	4.0	0.00
20/07/2022 14:30	2.9	48	14	4.0	0.00
20/07/2022 14:40	3.0	60	13	4.1	0.00
20/07/2022 14:50	2.8	64	12	3.5	0.00
20/07/2022 15:00	2.3	63	14	3.0	0.00
20/07/2022 15:10	2.2	53	15	3.2	0.00
20/07/2022 15:20	2.2	60	21	3.3	0.00
20/07/2022 15:30	2.5	59	14	3.2	0.00
20/07/2022 15:40	2.4	62	13	3.2	0.00
20/07/2022 15:50	2.2	57	15	3.1	0.00
20/07/2022 16:00	2.4	53	13	3.2	0.00
20/07/2022 16:10	2.3	69	15	3.3	0.00
20/07/2022 16:20	2.1	70	15	2.8	0.00
20/07/2022 16:30	2.0	69	17	2.9	0.00
20/07/2022 16:40	2.0	52	12	2.8	0.00
20/07/2022 16:50	1.7	56	17	2.4	0.00
20/07/2022 17:00	1.6	66	17	2.2	0.00
20/07/2022 17:10	1.5	72	13	2.1	0.00
20/07/2022 17:20	1.4	69	15	2.1	0.00
20/07/2022 17:30	1.5	66	17	2.3	0.00
20/07/2022 17:40	1.0	63	17	1.6	0.00
20/07/2022 17:50	0.8	69	13	1.5	0.00
20/07/2022 18:00	0.8	75	11	1.3	0.00
20/07/2022 18:10	0.8	72	9	1.1	0.00
20/07/2022 18:20	0.9	75	8	1.2	0.00
20/07/2022 18:30	0.9	81	9	1.2	0.00
20/07/2022 18:40	0.6	79	8	1.1	0.00
20/07/2022 18:50	0.1	79	2	0.9	0.00
20/07/2022 19:00					0.00
20/07/2022 19:10					0.00
20/07/2022 19:20	0.8	98	8	1.1	0.00
20/07/2022 19:30	0.5	77	10	1.0	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/07/2022 19:40	0.0	65	2	0.6	0.00
20/07/2022 19:50					0.00
20/07/2022 20:00					0.00
20/07/2022 20:10					0.00
20/07/2022 20:20	0.6	172	10	1.0	0.00
20/07/2022 20:30	0.5	170	9	0.6	0.00
20/07/2022 20:40					0.00
20/07/2022 20:50	0.3	196	6	0.8	0.00
20/07/2022 21:00					0.00
20/07/2022 21:10					0.00
20/07/2022 21:20					0.00
20/07/2022 21:30					0.00
20/07/2022 21:40					0.00
20/07/2022 21:50					0.00
20/07/2022 22:00					0.00
20/07/2022 22:10	0.3	23	0	0.6	0.00
20/07/2022 22:20	0.5	347	7	0.9	0.00
20/07/2022 22:30	0.3	340	0	0.6	0.00
20/07/2022 22:40					0.00
20/07/2022 22:50					0.00
20/07/2022 23:00					0.00
20/07/2022 23:10					0.00
20/07/2022 23:20	0.0	81	0	0.4	0.00
20/07/2022 23:30	0.0	190	0	0.4	0.00
20/07/2022 23:40	0.1	355	0	0.8	0.00
20/07/2022 23:50	0.3	348	12	0.9	0.00
21/07/2022 00:00	0.2	189	13	0.6	0.00
21/07/2022 00:10	0.1	33	36	0.6	0.00
21/07/2022 00:20	0.0	175	6	0.6	0.00
21/07/2022 00:30	0.5	81	10	1.0	0.00
21/07/2022 00:40	0.5	234	20	0.8	0.00
21/07/2022 00:50	0.1	280	12	0.7	0.00
21/07/2022 01:00	0.3	343	4	0.8	0.00
21/07/2022 01:10	0.2	327	5	0.6	0.00
21/07/2022 01:20					0.00
21/07/2022 01:30					0.00
21/07/2022 01:40					0.00
21/07/2022 01:50					0.00
21/07/2022 02:00					0.00
21/07/2022 02:10	0.3	355	3	0.9	0.00
21/07/2022 02:20	0.4	333	7	0.9	0.00
21/07/2022 02:30	0.0	103	2	0.4	0.00
21/07/2022 02:40	0.1	122	32	0.5	0.00
21/07/2022 02:50	0.1	157	6	0.6	0.00
21/07/2022 03:00					0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/07/2022 03:10	0.3	341	5	0.8	0.00
21/07/2022 03:20					0.00
21/07/2022 03:30	0.1	169	1	0.6	0.00
21/07/2022 03:40					0.00
21/07/2022 03:50					0.00
21/07/2022 04:00	0.0	11	0	0.4	0.00
21/07/2022 04:10					0.00
21/07/2022 04:20					0.00
21/07/2022 04:30	0.1	239	5	0.6	0.00
21/07/2022 04:40	0.1	170	3	0.7	0.00
21/07/2022 04:50	0.1	174	2	0.8	0.00
21/07/2022 05:00	0.0	34	12	0.4	0.00
21/07/2022 05:10	0.0	353	0	0.4	0.00
21/07/2022 05:20	0.0	40	3	0.4	0.00
21/07/2022 05:30					0.00
21/07/2022 05:40					0.00
21/07/2022 05:50					0.00
21/07/2022 06:00					0.00
21/07/2022 06:10					0.00
21/07/2022 06:20	0.0	68	2	0.4	0.00
21/07/2022 06:30	0.0	55	0	0.4	0.00
21/07/2022 06:40	0.2	239	29	0.9	0.00
21/07/2022 06:50	0.1	82	15	0.6	0.00
21/07/2022 07:00	0.2	196	8	0.7	0.00
21/07/2022 07:10	0.1	26	4	0.8	0.00
21/07/2022 07:20	0.0	119	3	0.5	0.00
21/07/2022 07:30	0.3	328	8	0.8	0.00
21/07/2022 07:40	0.1	172	5	0.6	0.00
21/07/2022 07:50	0.3	353	14	0.9	0.00
21/07/2022 08:00	0.7	339	18	1.2	0.00
21/07/2022 08:10	0.5	15	12	0.9	0.00
21/07/2022 08:20	0.4	27	14	0.8	0.00
21/07/2022 08:30	0.6	20	12	0.8	0.00
21/07/2022 08:40	0.5	18	14	1.0	0.00
21/07/2022 08:50	0.6	96	15	1.5	0.00
21/07/2022 09:00	1.7	198	12	2.5	0.00
21/07/2022 09:10	1.5	205	20	2.2	0.00
21/07/2022 09:20	1.2	187	20	2.1	0.00
21/07/2022 09:30	1.0	213	53	2.0	0.00
21/07/2022 09:40	1.5	116	34	2.0	0.00
21/07/2022 09:50	1.3	56	27	2.0	0.00
21/07/2022 10:00	2.0	43	14	2.7	0.00
21/07/2022 10:10	2.7	50	11	3.7	0.00
21/07/2022 10:20	2.7	51	10	3.3	0.00
21/07/2022 10:30	2.9	57	9	3.6	0.00





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/07/2022 10:40	2.3	58	16	3.4	0.00
21/07/2022 10:50	2.3	54	17	3.4	0.00
21/07/2022 11:00	2.6	57	14	3.7	0.00
21/07/2022 11:10	2.5	61	17	3.2	0.00
21/07/2022 11:20	2.5	64	15	3.2	0.00
21/07/2022 11:30	2.4	62	19	3.2	0.00
21/07/2022 11:40	2.4	59	15	3.2	0.00
21/07/2022 11:50	2.6	56	13	3.2	0.00
21/07/2022 12:00	2.7	64	14	3.4	0.00
21/07/2022 12:10	3.0	60	12	3.8	0.00
21/07/2022 12:20	2.8	63	13	3.6	0.00
21/07/2022 12:30	2.9	61	12	3.8	0.00
21/07/2022 12:40	2.9	65	15	3.9	0.00
21/07/2022 12:50	2.9	64	12	3.8	0.00
21/07/2022 13:00	3.1	60	12	3.8	0.00
21/07/2022 13:10	3.4	62	11	4.4	0.00
21/07/2022 13:20	3.0	63	14	4.0	0.00
21/07/2022 13:30	3.1	73	11	3.9	0.00
21/07/2022 13:40	2.6	61	18	3.9	0.00
21/07/2022 13:50	2.7	55	20	4.0	0.00
21/07/2022 14:00	1.7	34	31	3.5	0.00
21/07/2022 14:10	2.1	160	50	3.5	0.00
21/07/2022 14:20	2.6	280	27	3.7	0.00
21/07/2022 14:30	2.6	271	25	4.0	0.00
21/07/2022 14:40	2.8	276	18	4.3	0.00
21/07/2022 14:50	2.6	276	23	3.9	0.00
21/07/2022 15:00	2.7	278	25	4.5	0.00
21/07/2022 15:10	2.4	277	35	4.4	0.00
21/07/2022 15:20	2.2	298	34	3.6	0.00
21/07/2022 15:30	2.3	300	22	3.2	0.00
21/07/2022 15:40	2.5	294	23	3.8	0.00
21/07/2022 15:50	2.3	291	28	3.8	0.00
21/07/2022 16:00	2.6	312	15	4.0	0.00
21/07/2022 16:10	2.3	291	26	3.6	0.00
21/07/2022 16:20	2.2	301	22	3.2	0.00
21/07/2022 16:30	2.3	295	16	3.6	0.00
21/07/2022 16:40	2.0	284	23	3.1	0.00
21/07/2022 16:50	1.9	295	24	3.3	0.00
21/07/2022 17:00	2.2	306	15	3.2	0.00
21/07/2022 17:10	1.9	306	17	2.8	0.00
21/07/2022 17:20	1.7	322	17	2.4	0.00
21/07/2022 17:30	1.8	324	14	2.4	0.00
21/07/2022 17:40	1.8	334	10	2.4	0.00
21/07/2022 17:50	1.7	322	11	2.2	0.00
21/07/2022 18:00	1.9	323	14	2.8	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/07/2022 18:10	1.4	294	16	2.0	0.00
21/07/2022 18:20	1.3	283	18	2.0	0.00
21/07/2022 18:30	1.2	291	21	2.0	0.00
21/07/2022 18:40	1.2	282	23	1.8	0.00
21/07/2022 18:50	1.3	260	20	2.0	0.00
21/07/2022 19:00	1.3	270	16	2.0	0.00
21/07/2022 19:10	1.6	277	23	2.2	0.00
21/07/2022 19:20	1.4	310	29	2.0	0.00
21/07/2022 19:30	1.6	298	16	2.2	0.00
21/07/2022 19:40	1.4	300	18	1.9	0.00
21/07/2022 19:50	1.3	279	16	1.9	0.00
21/07/2022 20:00	1.2	280	21	2.2	0.00
21/07/2022 20:10	1.2	267	22	2.0	0.00
21/07/2022 20:20	1.4	278	16	2.0	0.00
21/07/2022 20:30	1.3	270	24	2.1	0.00
21/07/2022 20:40	1.2	263	33	2.1	0.00
21/07/2022 20:50	0.9	251	25	1.7	0.00
21/07/2022 21:00	1.3	268	27	2.0	0.00
21/07/2022 21:10	1.4	267	22	2.2	0.00
21/07/2022 21:20	1.2	264	30	2.3	0.00
21/07/2022 21:30	1.3	256	32	2.1	0.00
21/07/2022 21:40	1.1	252	46	2.1	0.00
21/07/2022 21:50	1.4	224	37	2.2	0.00
21/07/2022 22:00	1.3	209	24	1.8	0.00
21/07/2022 22:10	1.2	206	34	2.0	0.00
21/07/2022 22:20	1.2	197	21	1.8	0.00
21/07/2022 22:30	1.1	186	35	1.6	0.00
21/07/2022 22:40	0.9	181	25	1.5	0.00
21/07/2022 22:50	0.8	183	43	1.4	0.00
21/07/2022 23:00	0.7	228	33	1.4	0.00
21/07/2022 23:10	1.2	192	15	1.6	0.00
21/07/2022 23:20	1.0	196	27	1.5	0.00
21/07/2022 23:30	1.0	195	21	1.6	0.00
21/07/2022 23:40	0.6	152	25	1.2	0.00
21/07/2022 23:50	0.2	340	23	0.7	0.00
22/07/2022 00:00	0.9	309	16	1.2	0.00
22/07/2022 00:10	0.3	317	14	0.8	0.00
22/07/2022 00:20	0.8	306	23	1.2	0.00
22/07/2022 00:30	1.0	311	17	1.4	0.00
22/07/2022 00:40	0.5	252	31	0.9	0.00
22/07/2022 00:50	0.0	117	3	0.4	0.00
22/07/2022 01:00	0.5	290	16	1.2	0.00
22/07/2022 01:10	0.3	216	10	1.2	0.00
22/07/2022 01:20	0.3	181	17	1.1	0.00
22/07/2022 01:30	0.3	174	14	0.9	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/07/2022 01:40	0.1	164	17	0.5	0.00
22/07/2022 01:50	0.2	239	25	0.8	0.00
22/07/2022 02:00	0.0	157	2	0.4	0.00
22/07/2022 02:10					0.00
22/07/2022 02:20	0.5	201	24	1.0	0.00
22/07/2022 02:30	0.5	188	17	1.2	0.00
22/07/2022 02:40	0.3	187	24	1.0	0.00
22/07/2022 02:50	0.7	190	20	1.2	0.00
22/07/2022 03:00	0.7	185	22	1.2	0.00
22/07/2022 03:10	0.9	183	14	1.2	0.00
22/07/2022 03:20	0.9	185	24	1.4	0.00
22/07/2022 03:30	0.5	185	18	1.0	0.00
22/07/2022 03:40	1.0	191	25	1.7	0.00
22/07/2022 03:50	0.8	192	35	1.6	0.00
22/07/2022 04:00	0.6	191	41	1.2	0.00
22/07/2022 04:10	0.4	148	50	0.8	0.00
22/07/2022 04:20	0.4	202	55	0.8	0.00
22/07/2022 04:30	0.8	313	38	1.5	0.00
22/07/2022 04:40	0.9	311	18	1.3	0.00
22/07/2022 04:50	1.1	301	10	1.6	0.00
22/07/2022 05:00	0.6	264	29	1.2	0.00
22/07/2022 05:10	1.3	215	44	2.3	0.00
22/07/2022 05:20	0.8	212	38	2.4	0.00
22/07/2022 05:30	1.2	210	39	2.1	0.00
22/07/2022 05:40	1.8	202	20	2.8	0.00
22/07/2022 05:50	2.0	206	18	3.2	0.00
22/07/2022 06:00	2.5	199	18	3.6	0.00
22/07/2022 06:10	2.1	201	17	2.9	0.00
22/07/2022 06:20	1.8	196	15	2.7	0.00
22/07/2022 06:30	0.8	259	40	1.6	0.00
22/07/2022 06:40	0.8	325	20	1.3	0.00
22/07/2022 06:50	1.3	296	5	1.8	0.00
22/07/2022 07:00	1.0	297	9	1.5	0.00
22/07/2022 07:10	1.3	295	12	1.6	0.00
22/07/2022 07:20	1.3	306	10	1.7	0.00
22/07/2022 07:30	1.4	303	7	1.6	0.00
22/07/2022 07:40	0.7	328	19	1.1	0.00
22/07/2022 07:50	1.0	325	17	1.5	0.00
22/07/2022 08:00	1.8	321	7	2.2	0.00
22/07/2022 08:10	1.4	333	17	1.9	0.00
22/07/2022 08:20	1.2	341	21	1.9	0.00
22/07/2022 08:30	1.1	330	28	1.6	0.00
22/07/2022 08:40	1.0	302	33	1.5	0.00
22/07/2022 08:50	1.2	292	47	2.1	0.00
22/07/2022 09:00	1.4	259	27	2.2	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/07/2022 09:10	1.3	291	29	1.8	0.00
22/07/2022 09:20	1.9	263	20	2.6	0.00
22/07/2022 09:30	1.6	272	31	2.6	0.00
22/07/2022 09:40	2.1	274	24	3.1	0.00
22/07/2022 09:50	2.0	264	31	3.2	0.00
22/07/2022 10:00	2.0	285	23	3.2	0.00
22/07/2022 10:10	2.1	277	20	3.1	0.00
22/07/2022 10:20	2.3	270	24	4.0	0.00
22/07/2022 10:30	2.7	277	26	4.6	0.00
22/07/2022 10:40	3.0	292	23	4.8	0.00
22/07/2022 10:50	2.8	297	23	4.5	0.00
22/07/2022 11:00	2.6	289	26	3.8	0.00
22/07/2022 11:10	2.7	284	25	4.0	0.00
22/07/2022 11:20	2.2	289	29	3.4	0.00
22/07/2022 11:30	2.3	303	25	4.0	0.00
22/07/2022 11:40	2.4	292	31	3.5	0.00
22/07/2022 11:50	2.3	280	30	3.5	0.00
22/07/2022 12:00	2.4	291	26	3.6	0.00
22/07/2022 12:10	2.4	288	25	3.6	0.00
22/07/2022 12:20	2.4	296	24	3.9	0.00
22/07/2022 12:30	2.1	291	27	3.4	0.00
22/07/2022 12:40	2.4	278	30	4.5	0.00
22/07/2022 12:50	2.4	273	32	4.2	0.00
22/07/2022 13:00	2.8	285	25	4.3	0.00
22/07/2022 13:10	2.3	274	26	4.0	0.00
22/07/2022 13:20	2.2	278	32	4.7	0.00
22/07/2022 13:30	2.3	286	26	4.3	0.00
22/07/2022 13:40	2.9	291	34	4.4	0.00
22/07/2022 13:50	3.1	314	21	4.9	0.00
22/07/2022 14:00	2.7	310	23	4.3	0.00
22/07/2022 14:10	3.1	297	20	4.8	0.00
22/07/2022 14:20	3.4	296	22	5.2	0.00
22/07/2022 14:30	3.1	282	25	4.5	0.00
22/07/2022 14:40	3.2	287	23	5.5	0.00
22/07/2022 14:50	3.2	290	25	4.8	0.00
22/07/2022 15:00	3.2	309	21	4.8	0.00
22/07/2022 15:10	3.4	317	21	5.7	0.00
22/07/2022 15:20	3.9	322	17	5.8	0.00
22/07/2022 15:30	4.2	324	17	5.5	0.00
22/07/2022 15:40	4.3	326	13	5.9	0.00
22/07/2022 15:50	4.0	320	15	5.6	0.00
22/07/2022 16:00	3.5	308	19	5.5	0.00
22/07/2022 16:10	3.7	300	19	5.2	0.00
22/07/2022 16:20	4.3	302	19	6.3	0.00
22/07/2022 16:30	3.7	302	20	5.6	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/07/2022 16:40	3.2	291	25	5.0	0.00
22/07/2022 16:50	3.4	289	22	5.2	0.00
22/07/2022 17:00	3.5	292	25	5.3	0.00
22/07/2022 17:10	3.2	298	23	5.2	0.00
22/07/2022 17:20	3.3	291	25	5.3	0.00
22/07/2022 17:30	3.3	293	23	5.7	0.00
22/07/2022 17:40	3.1	287	25	5.6	0.00
22/07/2022 17:50	2.9	294	29	4.7	0.00
22/07/2022 18:00	2.9	281	20	4.8	0.00
22/07/2022 18:10	3.0	272	22	4.8	0.00
22/07/2022 18:20	2.6	268	41	4.8	0.00
22/07/2022 18:30	2.9	264	35	5.6	0.00
22/07/2022 18:40	3.0	272	29	5.1	0.00
22/07/2022 18:50	3.1	271	22	5.2	0.00
22/07/2022 19:00	3.0	268	20	4.7	0.00
22/07/2022 19:10	2.7	273	17	4.4	0.00
22/07/2022 19:20	2.6	265	25	4.6	0.00
22/07/2022 19:30	2.9	268	24	4.7	0.00
22/07/2022 19:40	3.0	269	23	4.8	0.00
22/07/2022 19:50	2.6	265	26	4.3	0.00
22/07/2022 20:00	2.5	268	23	4.0	0.00
22/07/2022 20:10	2.6	261	24	4.3	0.00
22/07/2022 20:20	2.5	264	20	3.9	0.00
22/07/2022 20:30	2.5	272	22	4.1	0.00
22/07/2022 20:40	2.7	268	24	4.1	0.00
22/07/2022 20:50	2.0	275	25	3.5	0.00
22/07/2022 21:00	2.3	272	25	4.8	0.00
22/07/2022 21:10	2.2	272	28	3.7	0.00
22/07/2022 21:20	1.6	268	48	3.3	0.00
22/07/2022 21:30	1.6	272	41	3.5	0.00
22/07/2022 21:40	1.7	269	51	3.6	0.00
22/07/2022 21:50	1.8	274	39	3.3	0.00
22/07/2022 22:00	0.9	174	84	1.8	0.00
22/07/2022 22:10	1.1	138	83	2.2	0.00
22/07/2022 22:20	1.4	251	62	2.9	0.00
22/07/2022 22:30	1.4	230	67	2.2	0.00
22/07/2022 22:40	1.3	239	68	2.7	0.00
22/07/2022 22:50	1.4	255	56	2.7	0.00
22/07/2022 23:00	1.4	266	55	3.4	0.00
22/07/2022 23:10	1.5	267	62	3.6	0.00
22/07/2022 23:20	1.7	233	60	3.4	0.00
22/07/2022 23:30	1.4	233	70	2.9	0.00
22/07/2022 23:40	1.2	252	75	3.1	0.00
22/07/2022 23:50	1.4	263	67	2.5	0.00
23/07/2022 00:00	1.2	219	60	2.8	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/07/2022 00:10	1.0	239	80	2.2	0.00
23/07/2022 00:20	1.2	215	57	2.3	0.00
23/07/2022 00:30	1.1	187	79	2.2	0.00
23/07/2022 00:40	1.1	239	69	2.5	0.00
23/07/2022 00:50	1.5	263	60	3.2	0.00
23/07/2022 01:00	1.2	243	75	2.8	0.00
23/07/2022 01:10	1.5	198	50	2.6	0.00
23/07/2022 01:20	1.1	196	71	1.7	0.00
23/07/2022 01:30	1.3	259	51	2.3	0.00
23/07/2022 01:40	1.0	162	81	2.1	0.00
23/07/2022 01:50	1.0	216	67	2.2	0.00
23/07/2022 02:00	0.6	161	69	1.6	0.00
23/07/2022 02:10	0.9	147	72	1.6	0.00
23/07/2022 02:20	0.9	216	73	2.4	0.00
23/07/2022 02:30	0.9	200	88	1.5	0.00
23/07/2022 02:40	1.0	159	58	1.8	0.00
23/07/2022 02:50	0.7	201	94	1.5	0.00
23/07/2022 03:00	0.9	245	66	2.0	0.00
23/07/2022 03:10	0.9	246	79	1.5	0.00
23/07/2022 03:20	0.7	184	50	1.2	0.00
23/07/2022 03:30	0.8	168	29	1.6	0.00
23/07/2022 03:40	0.8	180	46	1.9	0.00
23/07/2022 03:50	0.6	52	48	1.2	0.00
23/07/2022 04:00	0.4	307	45	1.3	0.00
23/07/2022 04:10	0.4	170	37	1.1	0.00
23/07/2022 04:20	0.5	288	35	1.2	0.00
23/07/2022 04:30	1.1	182	18	1.6	0.00
23/07/2022 04:40	1.6	188	11	2.4	0.00
23/07/2022 04:50	0.8	175	32	1.3	0.00
23/07/2022 05:00	0.7	176	38	1.3	0.00
23/07/2022 05:10	0.7	175	30	1.2	0.00
23/07/2022 05:20	0.6	236	61	1.9	0.00
23/07/2022 05:30	0.6	200	47	1.4	0.00
23/07/2022 05:40	1.0	181	31	1.6	0.00
23/07/2022 05:50	0.8	203	39	1.6	0.00
23/07/2022 06:00	0.7	213	37	1.2	0.00
23/07/2022 06:10	1.3	189	17	1.8	0.00
23/07/2022 06:20	1.1	186	19	1.5	0.00
23/07/2022 06:30	1.3	186	15	1.9	0.00
23/07/2022 06:40	1.4	189	14	1.9	0.00
23/07/2022 06:50	1.0	199	57	1.8	0.00
23/07/2022 07:00	0.7	179	25	1.2	0.00
23/07/2022 07:10	1.1	192	34	1.8	0.00
23/07/2022 07:20	1.4	196	29	2.2	0.00
23/07/2022 07:30	1.3	195	35	2.4	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/07/2022 07:40	1.2	234	56	2.4	0.00
23/07/2022 07:50	1.4	172	37	2.6	0.00
23/07/2022 08:00	1.2	240	58	2.0	0.00
23/07/2022 08:10	1.4	250	54	2.8	0.00
23/07/2022 08:20	1.3	242	59	2.5	0.00
23/07/2022 08:30	1.3	240	58	2.4	0.00
23/07/2022 08:40	1.4	238	64	2.5	0.00
23/07/2022 08:50	1.6	228	52	3.6	0.00
23/07/2022 09:00	2.0	261	37	3.4	0.00
23/07/2022 09:10	1.7	245	44	3.2	0.00
23/07/2022 09:20	1.9	237	41	3.2	0.00
23/07/2022 09:30	2.0	244	44	3.6	0.00
23/07/2022 09:40	2.2	200	30	4.2	0.00
23/07/2022 09:50	2.2	217	38	3.4	0.00
23/07/2022 10:00	2.0	221	50	4.2	0.00
23/07/2022 10:10	2.7	217	35	4.8	0.00
23/07/2022 10:20	2.7	206	34	4.9	0.00
23/07/2022 10:30	3.6	204	32	8.0	0.00
23/07/2022 10:40	3.5	210	34	6.2	0.00
23/07/2022 10:50	3.3	200	26	6.2	0.00
23/07/2022 11:00	3.4	208	28	6.7	0.00
23/07/2022 11:10	3.2	208	32	5.4	0.00
23/07/2022 11:20	3.0	212	38	5.7	0.00
23/07/2022 11:30	2.4	215	44	4.5	0.00
23/07/2022 11:40	2.9	262	37	5.1	0.00
23/07/2022 11:50	3.4	272	25	5.6	0.00
23/07/2022 12:00	3.6	278	24	6.3	0.00
23/07/2022 12:10	3.2	279	26	4.7	0.00
23/07/2022 12:20	4.0	291	25	6.3	0.00
23/07/2022 12:30	4.0	293	22	6.4	0.00
23/07/2022 12:40	3.9	287	25	6.8	0.00
23/07/2022 12:50	3.7	294	28	6.9	0.00
23/07/2022 13:00	3.8	289	26	6.4	0.00
23/07/2022 13:10	3.6	279	24	6.3	0.00
23/07/2022 13:20	3.9	270	28	6.2	0.00
23/07/2022 13:30	3.9	270	24	6.8	0.00
23/07/2022 13:40	4.3	277	24	6.8	0.00
23/07/2022 13:50	4.1	278	26	7.0	0.00
23/07/2022 14:00	3.9	278	25	6.7	0.00
23/07/2022 14:10	4.3	280	21	7.3	0.00
23/07/2022 14:20	3.7	272	34	6.4	0.00
23/07/2022 14:30	4.0	275	27	6.9	0.00
23/07/2022 14:40	3.7	272	29	6.1	0.00
23/07/2022 14:50	3.9	273	24	6.4	0.00
23/07/2022 15:00	3.9	262	38	6.8	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/07/2022 15:10	4.6	271	21	6.9	0.00
23/07/2022 15:20	4.0	270	20	6.7	0.00
23/07/2022 15:30	3.1	268	37	6.4	0.00
23/07/2022 15:40	3.3	268	38	5.9	0.00
23/07/2022 15:50	3.1	266	40	6.0	0.00
23/07/2022 16:00	3.2	255	46	5.8	0.00
23/07/2022 16:10	4.1	276	24	7.0	0.00
23/07/2022 16:20	3.8	270	28	6.4	0.00
23/07/2022 16:30	3.2	261	38	6.0	0.00
23/07/2022 16:40	3.3	264	38	6.0	0.00
23/07/2022 16:50	2.9	252	39	5.7	0.00
23/07/2022 17:00	2.7	268	39	5.5	0.00
23/07/2022 17:10	2.7	265	49	5.4	0.00
23/07/2022 17:20	2.5	253	42	5.3	0.00
23/07/2022 17:30	2.7	269	35	5.0	0.00
23/07/2022 17:40	2.7	271	34	5.2	0.00
23/07/2022 17:50	3.0	273	42	5.6	0.00
23/07/2022 18:00	2.4	272	45	4.8	0.00
23/07/2022 18:10	2.4	265	43	4.7	0.00
23/07/2022 18:20	1.6	264	65	3.0	0.00
23/07/2022 18:30	2.4	242	54	4.8	0.00
23/07/2022 18:40	1.8	246	51	5.1	0.00
23/07/2022 18:50	1.8	229	58	4.3	0.00
23/07/2022 19:00	1.4	228	65	2.4	0.00
23/07/2022 19:10	1.5	215	48	3.1	0.00
23/07/2022 19:20	1.5	210	53	2.9	0.00
23/07/2022 19:30	1.5	217	70	3.6	0.00
23/07/2022 19:40	1.4	209	69	3.4	0.00
23/07/2022 19:50	1.4	174	53	2.7	0.00
23/07/2022 20:00	2.0	226	56	3.9	0.00
23/07/2022 20:10	1.9	213	50	3.7	0.00
23/07/2022 20:20	1.7	208	58	3.7	0.00
23/07/2022 20:30	1.7	204	48	3.4	0.00
23/07/2022 20:40	1.6	236	59	3.2	0.00
23/07/2022 20:50	1.8	243	55	4.0	0.00
23/07/2022 21:00	1.6	236	58	3.2	0.00
23/07/2022 21:10	1.7	230	53	3.0	0.00
23/07/2022 21:20	1.5	234	70	2.8	0.00
23/07/2022 21:30	1.5	256	54	2.7	0.00
23/07/2022 21:40	1.1	231	65	2.2	0.00
23/07/2022 21:50	1.2	235	66	2.0	0.00
23/07/2022 22:00	1.1	237	78	2.3	0.00
23/07/2022 22:10	1.4	207	46	2.3	0.00
23/07/2022 22:20	1.8	193	51	4.3	0.00
23/07/2022 22:30	2.0	201	37	4.4	0.00





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/07/2022 22:40	2.0	227	48	4.3	0.00
23/07/2022 22:50	2.2	221	32	4.0	0.00
23/07/2022 23:00	2.3	226	34	4.1	0.00
23/07/2022 23:10	2.3	212	33	3.6	0.00
23/07/2022 23:20	2.3	208	21	4.7	0.00
23/07/2022 23:30	2.3	213	29	3.8	0.00
23/07/2022 23:40	1.9	214	42	3.5	0.00
23/07/2022 23:50	1.8	213	36	3.4	0.00
24/07/2022 00:00	2.4	222	34	4.2	0.00
24/07/2022 00:10	1.9	213	53	3.9	0.00
24/07/2022 00:20	2.1	212	28	3.6	0.00
24/07/2022 00:30	2.2	211	30	3.6	0.00
24/07/2022 00:40	2.2	209	30	3.6	0.00
24/07/2022 00:50	1.8	208	36	3.6	0.00
24/07/2022 01:00	1.6	212	53	3.3	0.00
24/07/2022 01:10	1.9	202	31	3.0	0.00
24/07/2022 01:20	2.5	210	32	4.3	0.00
24/07/2022 01:30	1.7	206	48	3.0	0.00
24/07/2022 01:40	2.3	223	28	4.4	0.00
24/07/2022 01:50	2.0	220	36	3.3	0.00
24/07/2022 02:00	2.5	225	33	4.3	0.00
24/07/2022 02:10	2.4	222	32	4.0	0.00
24/07/2022 02:20	2.3	229	27	4.0	0.00
24/07/2022 02:30	2.2	217	30	4.2	0.00
24/07/2022 02:40	2.1	223	30	3.2	0.00
24/07/2022 02:50	1.9	219	33	3.6	0.00
24/07/2022 03:00	2.1	220	33	3.6	0.00
24/07/2022 03:10	1.9	220	42	3.5	0.00
24/07/2022 03:20	1.9	228	39	3.4	0.00
24/07/2022 03:30	2.4	219	28	4.0	0.00
24/07/2022 03:40	2.2	214	28	3.8	0.00
24/07/2022 03:50	2.4	220	23	4.4	0.00
24/07/2022 04:00	2.7	209	23	4.6	0.00
24/07/2022 04:10	2.5	210	22	4.5	0.00
24/07/2022 04:20	2.4	210	28	4.4	0.00
24/07/2022 04:30	3.2	209	20	5.0	0.00
24/07/2022 04:40	2.8	218	25	4.8	0.00
24/07/2022 04:50	2.8	214	23	4.5	0.00
24/07/2022 05:00	3.0	209	28	5.2	0.00
24/07/2022 05:10	3.3	206	22	5.2	0.00
24/07/2022 05:20	3.7	202	15	5.6	0.00
24/07/2022 05:30	3.4	203	16	5.2	0.00
24/07/2022 05:40	2.0	213	28	3.4	0.00
24/07/2022 05:50	2.4	215	23	4.3	0.00
24/07/2022 06:00	2.9	215	21	4.8	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/07/2022 06:10	2.9	220	24	4.9	0.00
24/07/2022 06:20	3.0	227	23	4.4	0.00
24/07/2022 06:30	3.6	221	20	5.2	0.00
24/07/2022 06:40	3.8	216	16	5.2	0.00
24/07/2022 06:50	4.0	214	15	5.3	0.00
24/07/2022 07:00	4.1	215	14	5.5	0.00
24/07/2022 07:10	3.7	220	16	5.0	0.00
24/07/2022 07:20	3.5	217	14	5.0	0.00
24/07/2022 07:30	3.3	222	15	4.7	0.00
24/07/2022 07:40	3.2	217	16	4.7	0.00
24/07/2022 07:50	3.0	216	15	4.0	0.00
24/07/2022 08:00	3.1	214	14	4.3	0.00
24/07/2022 08:10	3.2	215	15	4.6	0.00
24/07/2022 08:20	3.1	215	15	4.3	0.00
24/07/2022 08:30	3.6	208	15	5.5	0.00
24/07/2022 08:40	3.3	206	14	5.0	0.00
24/07/2022 08:50	3.3	204	15	5.1	0.00
24/07/2022 09:00	3.5	197	14	5.2	0.00
24/07/2022 09:10	3.3	199	21	5.3	0.00
24/07/2022 09:20	3.3	199	18	5.0	0.00
24/07/2022 09:30	3.5	198	16	5.5	0.00
24/07/2022 09:40	3.3	201	16	5.6	0.00
24/07/2022 09:50	3.3	197	23	6.2	0.00
24/07/2022 10:00	3.0	188	22	5.4	0.00
24/07/2022 10:10	2.5	190	31	4.0	0.00
24/07/2022 10:20	2.9	190	23	5.4	0.00
24/07/2022 10:30	3.8	194	25	6.0	0.00
24/07/2022 10:40	4.3	198	13	6.3	0.00
24/07/2022 10:50	3.0	196	21	5.5	0.00
24/07/2022 11:00	3.1	185	28	5.4	0.00
24/07/2022 11:10	2.7	135	35	4.6	0.00
24/07/2022 11:20	2.8	147	44	5.2	0.00
24/07/2022 11:30	2.8	147	27	5.0	0.00
24/07/2022 11:40	2.6	156	42	4.7	0.00
24/07/2022 11:50	2.6	140	41	4.4	0.00
24/07/2022 12:00	3.5	179	31	5.6	0.00
24/07/2022 12:10	2.4	133	45	4.6	0.00
24/07/2022 12:20	2.3	124	32	3.8	0.00
24/07/2022 12:30	2.9	112	21	4.8	0.00
24/07/2022 12:40	3.0	113	35	4.8	0.00
24/07/2022 12:50	2.6	117	27	4.3	0.00
24/07/2022 13:00	2.3	93	26	3.9	0.00
24/07/2022 13:10	2.8	51	14	3.9	0.00
24/07/2022 13:20	2.2	80	28	3.6	0.00
24/07/2022 13:30	2.3	70	29	3.7	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/07/2022 13:40	2.9	46	14	3.9	0.00
24/07/2022 13:50	2.6	43	15	3.6	0.00
24/07/2022 14:00	2.3	35	20	3.2	0.00
24/07/2022 14:10	1.9	43	20	2.9	0.00
24/07/2022 14:20	2.3	40	17	3.2	0.00
24/07/2022 14:30	1.8	41	21	2.8	0.00
24/07/2022 14:40	2.5	49	16	3.9	0.00
24/07/2022 14:50	3.2	51	21	5.2	0.00
24/07/2022 15:00	3.2	55	14	4.4	0.00
24/07/2022 15:10	4.1	42	13	5.5	0.00
24/07/2022 15:20	3.8	54	14	5.4	0.00
24/07/2022 15:30	3.7	47	12	5.2	0.00
24/07/2022 15:40	3.8	52	12	5.1	0.00
24/07/2022 15:50	3.5	44	11	5.2	0.00
24/07/2022 16:00	3.8	53	11	4.8	0.00
24/07/2022 16:10	3.6	49	12	4.8	0.00
24/07/2022 16:20	3.2	42	13	4.8	0.00
24/07/2022 16:30	3.4	41	14	5.1	0.00
24/07/2022 16:40	3.3	17	16	4.5	0.00
24/07/2022 16:50	3.7	347	13	5.2	0.00
24/07/2022 17:00	3.6	343	16	5.6	0.00
24/07/2022 17:10	3.7	346	14	5.2	0.00
24/07/2022 17:20	3.4	342	15	4.8	0.00
24/07/2022 17:30	3.4	346	16	4.4	0.00
24/07/2022 17:40	2.8	350	14	4.3	0.00
24/07/2022 17:50	2.6	337	13	3.8	0.00
24/07/2022 18:00	2.6	334	16	3.8	0.00
24/07/2022 18:10	2.5	333	14	3.8	0.00
24/07/2022 18:20	2.6	326	16	3.7	0.00
24/07/2022 18:30	2.7	322	20	4.8	0.00
24/07/2022 18:40	2.0	290	20	2.8	0.00
24/07/2022 18:50	2.0	281	18	3.2	0.00
24/07/2022 19:00	1.8	282	23	3.0	0.00
24/07/2022 19:10	1.9	272	19	3.2	0.00
24/07/2022 19:20	1.8	265	21	2.8	0.00
24/07/2022 19:30	1.4	268	23	2.3	0.00
24/07/2022 19:40	1.6	263	25	2.5	0.00
24/07/2022 19:50	1.6	256	23	2.4	0.00
24/07/2022 20:00	1.5	252	28	2.4	0.00
24/07/2022 20:10	1.6	271	22	2.2	0.00
24/07/2022 20:20	1.5	257	22	2.2	0.00
24/07/2022 20:30	1.5	261	22	2.5	0.00
24/07/2022 20:40	1.4	268	16	2.0	0.00
24/07/2022 20:50	1.4	228	22	2.3	0.00
24/07/2022 21:00	0.9	248	38	1.9	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/07/2022 21:10	1.7	322	12	2.4	0.00
24/07/2022 21:20	0.9	319	9	1.4	0.00
24/07/2022 21:30	1.0	313	16	1.4	0.00
24/07/2022 21:40	1.0	312	13	1.4	0.00
24/07/2022 21:50	1.3	259	27	1.8	0.00
24/07/2022 22:00	0.9	315	32	1.5	0.00
24/07/2022 22:10	1.1	243	22	1.6	0.00
24/07/2022 22:20	1.0	254	18	1.5	0.00
24/07/2022 22:30	1.0	227	20	1.6	0.00
24/07/2022 22:40	1.0	232	22	1.6	0.00
24/07/2022 22:50	1.5	214	19	2.0	0.00
24/07/2022 23:00	1.5	222	19	2.0	0.00
24/07/2022 23:10	1.2	210	25	1.8	0.00
24/07/2022 23:20	1.3	212	18	2.1	0.00
24/07/2022 23:30	1.3	206	18	1.9	0.00
24/07/2022 23:40	1.3	228	28	2.4	0.00
24/07/2022 23:50	1.2	196	20	1.8	0.00
25/07/2022 00:00	1.9	206	21	2.9	0.00
25/07/2022 00:10	1.9	212	34	2.8	0.00
25/07/2022 00:20	1.9	221	25	2.7	0.00
25/07/2022 00:30	1.5	202	29	2.4	0.00
25/07/2022 00:40	3.1	193	15	4.9	0.00
25/07/2022 00:50	3.0	204	12	4.2	0.00
25/07/2022 01:00	3.7	185	14	5.7	0.00
25/07/2022 01:10	5.2	186	11	7.2	0.00
25/07/2022 01:20	4.5	179	15	6.4	0.00
25/07/2022 01:30	4.1	185	12	5.8	0.00
25/07/2022 01:40	3.7	181	13	5.4	0.00
25/07/2022 01:50	3.7	191	12	6.0	0.00
25/07/2022 02:00	3.4	184	19	5.1	0.00
25/07/2022 02:10	3.3	160	26	5.7	0.00
25/07/2022 02:20	2.8	153	20	4.0	0.00
25/07/2022 02:30	2.0	156	20	3.6	0.00
25/07/2022 02:40	2.5	164	20	4.4	0.00
25/07/2022 02:50	3.0	155	20	4.4	0.00
25/07/2022 03:00	4.0	156	15	6.0	0.00
25/07/2022 03:10	3.8	164	19	5.6	0.00
25/07/2022 03:20	2.1	170	23	4.0	0.00
25/07/2022 03:30	1.8	168	25	2.9	0.00
25/07/2022 03:40	1.6	174	24	2.5	0.00
25/07/2022 03:50	1.7	167	28	2.7	0.00
25/07/2022 04:00	1.5	168	26	2.3	0.00
25/07/2022 04:10	1.3	151	31	2.5	0.00
25/07/2022 04:20	1.7	146	23	3.4	0.00
25/07/2022 04:30	1.8	142	29	3.1	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/07/2022 04:40	2.1	142	36	3.6	0.00
25/07/2022 04:50	1.9	145	26	3.1	0.00
25/07/2022 05:00	1.5	100	42	2.8	0.00
25/07/2022 05:10	2.2	115	28	3.7	0.00
25/07/2022 05:20	3.1	112	18	5.3	0.00
25/07/2022 05:30	2.6	107	26	4.5	0.00
25/07/2022 05:40	2.4	109	20	4.0	0.00
25/07/2022 05:50	2.3	109	23	3.8	0.00
25/07/2022 06:00	3.0	113	21	5.0	0.00
25/07/2022 06:10	2.6	113	25	4.3	0.00
25/07/2022 06:20	3.3	105	21	5.0	0.00
25/07/2022 06:30	3.3	114	25	5.4	0.00
25/07/2022 06:40	2.9	118	28	4.6	0.00
25/07/2022 06:50	3.2	104	22	5.4	0.00
25/07/2022 07:00	3.1	102	23	4.7	0.00
25/07/2022 07:10	3.5	88	20	5.3	0.00
25/07/2022 07:20	4.1	90	19	6.5	0.00
25/07/2022 07:30	4.2	86	19	6.6	0.00
25/07/2022 07:40	4.0	95	17	6.8	0.00
25/07/2022 07:50	4.7	89	19	8.0	0.00
25/07/2022 08:00	4.6	88	19	7.2	0.00
25/07/2022 08:10	5.3	83	16	7.7	0.00
25/07/2022 08:20	5.5	84	18	8.3	0.00
25/07/2022 08:30	6.6	89	20	10.2	0.00
25/07/2022 08:40	6.9	82	14	10.3	0.00
25/07/2022 08:50	7.0	83	16	9.5	0.00
25/07/2022 09:00	6.7	88	17	10.0	0.00
25/07/2022 09:10	6.6	91	17	9.9	0.00
25/07/2022 09:20	6.7	86	14	10.5	0.00
25/07/2022 09:30	6.0	86	13	9.1	0.00
25/07/2022 09:40	5.8	84	14	9.1	0.00
25/07/2022 09:50	5.8	85	15	8.1	0.00
25/07/2022 10:00	5.8	81	14	8.2	0.00
25/07/2022 10:10	5.7	86	16	8.3	0.00
25/07/2022 10:20	5.5	86	14	7.4	0.00
25/07/2022 10:30	5.3	85	12	7.5	0.00
25/07/2022 10:40	5.1	81	15	7.6	0.00
25/07/2022 10:50	4.2	76	16	6.6	0.00
25/07/2022 11:00	4.3	73	14	6.2	0.00
25/07/2022 11:10	4.8	73	13	6.8	0.00
25/07/2022 11:20	4.9	71	15	6.7	0.00
25/07/2022 11:30	4.3	66	16	6.6	0.00
25/07/2022 11:40	4.7	66	13	6.8	0.00
25/07/2022 11:50	5.1	58	12	7.3	0.00
25/07/2022 12:00	5.8	56	10	7.6	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/07/2022 12:10	4.8	54	12	6.7	0.00
25/07/2022 12:20	5.1	55	13	6.9	0.00
25/07/2022 12:30	5.0	49	11	6.8	0.00
25/07/2022 12:40	4.8	50	12	6.6	0.00
25/07/2022 12:50	4.8	47	12	6.4	0.00
25/07/2022 13:00	4.6	48	14	6.3	0.00
25/07/2022 13:10	4.8	48	11	6.5	0.00
25/07/2022 13:20	4.7	48	11	6.4	0.00
25/07/2022 13:30	4.6	49	12	6.4	0.00
25/07/2022 13:40	4.1	48	14	5.6	0.00
25/07/2022 13:50	4.2	46	12	5.8	0.00
25/07/2022 14:00	3.8	43	13	5.4	0.00
25/07/2022 14:10	3.8	42	14	4.9	0.00
25/07/2022 14:20	3.7	44	14	5.0	0.00
25/07/2022 14:30	3.5	42	10	4.6	0.00
25/07/2022 14:40	3.5	44	12	4.5	0.00
25/07/2022 14:50	3.6	42	13	5.0	0.00
25/07/2022 15:00	3.7	43	13	4.8	0.00
25/07/2022 15:10	3.2	44	11	4.4	0.00
25/07/2022 15:20	3.1	43	13	4.0	0.00
25/07/2022 15:30	2.7	47	13	3.8	0.00
25/07/2022 15:40	2.6	46	15	3.5	0.00
25/07/2022 15:50	2.6	43	14	3.3	0.00
25/07/2022 16:00	2.5	44	15	3.4	0.00
25/07/2022 16:10	2.6	49	13	3.4	0.00
25/07/2022 16:20	2.5	50	13	3.5	0.00
25/07/2022 16:30	2.6	45	14	3.8	0.00
25/07/2022 16:40	2.9	42	13	3.8	0.00
25/07/2022 16:50	2.6	43	13	3.8	0.00
25/07/2022 17:00	2.8	42	13	3.7	0.00
25/07/2022 17:10	2.6	40	12	3.6	0.00
25/07/2022 17:20	2.2	40	14	3.2	0.00
25/07/2022 17:30	2.1	38	11	3.1	0.00
25/07/2022 17:40	2.1	39	15	3.0	0.00
25/07/2022 17:50	1.5	48	13	2.2	0.00
25/07/2022 18:00	0.7	66	22	1.2	0.00
25/07/2022 18:10	0.5	91	14	1.0	0.00
25/07/2022 18:20	0.7	110	13	1.1	0.00
25/07/2022 18:30	0.7	123	22	1.1	0.00
25/07/2022 18:40	0.5	118	23	0.8	0.00
25/07/2022 18:50	0.6	151	27	0.9	0.00
25/07/2022 19:00	0.9	199	17	1.2	0.00
25/07/2022 19:10	0.9	294	20	1.3	0.00
25/07/2022 19:20	0.7	301	9	1.1	0.00
25/07/2022 19:30	0.7	314	18	1.1	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/07/2022 19:40	0.1	206	1	0.6	0.00
25/07/2022 19:50	0.9	196	10	1.2	0.00
25/07/2022 20:00	0.1	199	4	0.6	0.00
25/07/2022 20:10					0.00
25/07/2022 20:20	0.2	335	0	0.6	0.00
25/07/2022 20:30					0.00
25/07/2022 20:40	0.1	335	0	0.6	0.00
25/07/2022 20:50	0.0	173	2	0.5	0.00
25/07/2022 21:00	0.1	37	1	0.5	0.00
25/07/2022 21:10					0.00
25/07/2022 21:20					0.00
25/07/2022 21:30	0.5	199	8	0.8	0.00
25/07/2022 21:40	0.3	335	3	0.9	0.00
25/07/2022 21:50					0.00
25/07/2022 22:00	0.0	144	13	0.6	0.00
25/07/2022 22:10	0.3	179	5	0.8	0.00
25/07/2022 22:20	0.2	179	9	0.8	0.00
25/07/2022 22:30	0.3	138	5	0.8	0.00
25/07/2022 22:40					0.00
25/07/2022 22:50	0.2	142	6	0.8	0.00
25/07/2022 23:00	0.3	82	34	1.0	0.00
25/07/2022 23:10	0.6	126	27	1.4	0.00
25/07/2022 23:20	0.2	209	22	0.6	0.00
25/07/2022 23:30	0.7	285	47	1.5	0.00
25/07/2022 23:40	0.8	163	29	1.4	0.00
25/07/2022 23:50	1.1	341	74	2.1	0.00
26/07/2022 00:00	0.9	216	53	2.0	0.00
26/07/2022 00:10	1.6	285	57	2.4	0.00
26/07/2022 00:20	0.7	290	52	1.2	0.00
26/07/2022 00:30	1.5	274	43	2.5	0.00
26/07/2022 00:40	1.2	297	35	1.7	0.00
26/07/2022 00:50	1.1	169	74	2.1	0.00
26/07/2022 01:00	1.6	332	16	2.1	0.00
26/07/2022 01:10	0.6	177	45	1.2	0.00
26/07/2022 01:20	0.5	252	37	1.1	0.00
26/07/2022 01:30	0.6	278	30	1.1	0.00
26/07/2022 01:40	0.9	321	19	1.3	0.00
26/07/2022 01:50	1.1	318	15	1.6	0.00
26/07/2022 02:00	0.4	252	21	1.1	0.00
26/07/2022 02:10	1.1	209	68	1.9	0.00
26/07/2022 02:20	0.9	289	44	1.6	0.00
26/07/2022 02:30	1.4	132	18	2.0	0.00
26/07/2022 02:40	1.9	152	12	2.4	0.00
26/07/2022 02:50	1.2	234	63	2.0	0.00
26/07/2022 03:00	1.5	129	20	2.5	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/07/2022 03:10	1.6	132	23	2.8	0.00
26/07/2022 03:20	2.0	150	25	3.3	0.00
26/07/2022 03:30	2.6	115	27	4.5	0.00
26/07/2022 03:40	3.4	123	18	4.9	0.00
26/07/2022 03:50	2.7	126	19	4.5	0.00
26/07/2022 04:00	1.9	112	23	3.8	0.00
26/07/2022 04:10	1.8	109	27	3.0	0.00
26/07/2022 04:20	1.6	131	34	3.7	0.00
26/07/2022 04:30	1.7	125	31	3.6	0.00
26/07/2022 04:40	2.0	138	26	3.2	0.00
26/07/2022 04:50	1.5	121	29	2.6	0.00
26/07/2022 05:00	1.7	117	30	3.1	0.00
26/07/2022 05:10	1.8	116	27	3.5	0.00
26/07/2022 05:20	2.0	107	24	3.1	0.00
26/07/2022 05:30	2.2	92	19	3.3	0.00
26/07/2022 05:40	2.7	93	22	4.2	0.00
26/07/2022 05:50	2.5	94	19	4.0	0.00
26/07/2022 06:00	2.0	107	24	3.2	0.00
26/07/2022 06:10	2.5	113	28	4.0	0.00
26/07/2022 06:20	2.8	111	29	4.5	0.00
26/07/2022 06:30	2.7	111	24	4.7	0.00
26/07/2022 06:40	2.6	113	22	4.4	0.00
26/07/2022 06:50	2.7	114	16	5.2	0.00
26/07/2022 07:00	2.7	114	24	4.4	0.00
26/07/2022 07:10	2.4	111	22	4.5	0.00
26/07/2022 07:20	2.6	113	20	4.7	0.00
26/07/2022 07:30	3.1	110	20	5.1	0.00
26/07/2022 07:40	2.9	109	26	5.0	0.00
26/07/2022 07:50	2.8	113	23	4.4	0.00
26/07/2022 08:00	2.6	110	24	5.1	0.00
26/07/2022 08:10	3.2	108	28	5.4	0.00
26/07/2022 08:20	3.0	116	21	4.6	0.00
26/07/2022 08:30	2.5	108	20	3.6	0.00
26/07/2022 08:40	2.3	107	19	3.6	0.00
26/07/2022 08:50	2.1	109	22	3.2	0.00
26/07/2022 09:00	2.4	94	22	4.0	0.00
26/07/2022 09:10	2.5	83	19	3.9	0.00
26/07/2022 09:20	2.5	78	14	3.9	0.00
26/07/2022 09:30	3.1	80	13	4.4	0.00
26/07/2022 09:40	3.8	85	14	5.2	0.00
26/07/2022 09:50	3.9	85	16	5.6	0.00
26/07/2022 10:00	3.9	81	12	5.4	0.00
26/07/2022 10:10	3.7	87	16	5.4	0.00
26/07/2022 10:20	3.8	86	15	5.6	0.00
26/07/2022 10:30	3.8	88	20	5.8	0.00





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/07/2022 10:40	4.0	82	15	5.5	0.00
26/07/2022 10:50	3.6	80	14	5.7	0.00
26/07/2022 11:00	3.6	69	15	4.9	0.00
26/07/2022 11:10	3.6	58	12	4.7	0.00
26/07/2022 11:20	3.3	60	14	4.4	0.00
26/07/2022 11:30	3.2	59	12	4.2	0.00
26/07/2022 11:40	3.6	59	11	4.7	0.00
26/07/2022 11:50	3.1	53	14	4.5	0.00
26/07/2022 12:00	3.3	49	11	4.4	0.00
26/07/2022 12:10	3.2	55	14	4.2	0.00
26/07/2022 12:20	3.2	62	11	4.2	0.00
26/07/2022 12:30	3.0	52	13	4.2	0.00
26/07/2022 12:40	2.6	54	13	3.5	0.00
26/07/2022 12:50	2.6	61	16	3.3	0.00
26/07/2022 13:00	2.1	55	17	3.1	0.00
26/07/2022 13:10	2.4	89	22	3.5	0.00
26/07/2022 13:20	2.1	110	32	3.5	0.00
26/07/2022 13:30	2.2	74	21	3.6	0.00
26/07/2022 13:40	2.0	55	23	3.2	0.00
26/07/2022 13:50	1.8	47	30	3.0	0.00
26/07/2022 14:00	2.2	56	23	2.8	0.00
26/07/2022 14:10	2.2	58	14	3.0	0.00
26/07/2022 14:20	2.3	53	11	2.9	0.00
26/07/2022 14:30	2.2	54	22	3.1	0.00
26/07/2022 14:40	2.3	55	14	3.0	0.00
26/07/2022 14:50	2.2	50	13	2.9	0.00
26/07/2022 15:00	2.3	56	15	3.1	0.00
26/07/2022 15:10	2.4	54	12	3.3	0.00
26/07/2022 15:20	2.8	47	12	3.8	0.00
26/07/2022 15:30	2.7	49	14	3.5	0.00
26/07/2022 15:40	2.7	54	12	3.3	0.00
26/07/2022 15:50	3.1	48	11	4.2	0.00
26/07/2022 16:00	3.3	54	14	4.4	0.00
26/07/2022 16:10	2.9	50	11	4.0	0.00
26/07/2022 16:20	2.9	50	11	3.8	0.00
26/07/2022 16:30	2.9	49	10	3.8	0.00
26/07/2022 16:40	2.5	53	12	3.3	0.00
26/07/2022 16:50	2.6	50	14	3.6	0.00
26/07/2022 17:00	1.9	61	13	2.8	0.00
26/07/2022 17:10	1.5	71	18	2.3	0.00
26/07/2022 17:20	1.1	69	19	1.9	0.00
26/07/2022 17:30	0.9	100	19	1.4	0.00
26/07/2022 17:40	0.9	82	15	1.4	0.00
26/07/2022 17:50	0.6	75	17	1.0	0.00
26/07/2022 18:00	0.6	104	23	1.0	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/07/2022 18:10	0.7	109	20	1.1	0.00
26/07/2022 18:20	0.5	113	15	0.9	0.00
26/07/2022 18:30	0.5	108	13	1.1	0.00
26/07/2022 18:40	0.5	161	22	0.8	0.00
26/07/2022 18:50	0.2	142	6	0.6	0.00
26/07/2022 19:00	0.7	177	10	1.1	0.00
26/07/2022 19:10	0.3	175	13	0.6	0.00
26/07/2022 19:20					0.00
26/07/2022 19:30	0.1	16	1	0.6	0.00
26/07/2022 19:40	0.5	347	3	0.8	0.00
26/07/2022 19:50	0.1	349	1	0.7	0.00
26/07/2022 20:00	0.3	279	26	0.8	0.00
26/07/2022 20:10	0.8	186	7	1.0	0.00
26/07/2022 20:20	0.5	180	5	0.8	0.00
26/07/2022 20:30	0.0	183	0	0.6	0.00
26/07/2022 20:40	0.6	163	14	0.8	0.00
26/07/2022 20:50	0.2	90	18	0.7	0.00
26/07/2022 21:00	0.2	344	35	0.8	0.00
26/07/2022 21:10	0.1	347	2	0.8	0.00
26/07/2022 21:20	0.2	290	7	0.7	0.00
26/07/2022 21:30	0.6	339	16	0.9	0.00
26/07/2022 21:40	0.2	337	3	0.6	0.00
26/07/2022 21:50	0.2	174	15	0.7	0.00
26/07/2022 22:00	0.3	88	45	0.8	0.00
26/07/2022 22:10	0.5	171	29	1.0	0.00
26/07/2022 22:20	0.3	181	21	0.8	0.00
26/07/2022 22:30	0.1	304	20	0.4	0.00
26/07/2022 22:40	0.1	46	0	0.6	0.00
26/07/2022 22:50	0.7	186	6	1.2	0.00
26/07/2022 23:00	0.6	190	11	0.8	0.00
26/07/2022 23:10	0.3	260	13	0.8	0.00
26/07/2022 23:20	0.3	343	3	0.8	0.00
26/07/2022 23:30					0.00
26/07/2022 23:40	0.2	180	8	0.7	0.00
26/07/2022 23:50	0.4	161	17	1.0	0.00
27/07/2022 00:00	0.2	24	17	0.7	0.00
27/07/2022 00:10	1.2	146	21	2.4	0.00
27/07/2022 00:20	1.4	131	23	2.2	0.00
27/07/2022 00:30	1.0	50	32	1.4	0.00
27/07/2022 00:40	1.0	79	34	2.0	0.00
27/07/2022 00:50	1.3	116	18	2.0	0.00
27/07/2022 01:00	1.6	116	16	2.2	0.00
27/07/2022 01:10	1.6	120	21	2.8	0.00
27/07/2022 01:20	2.1	133	18	3.0	0.00
27/07/2022 01:30	1.8	130	18	2.4	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/07/2022 01:40	2.2	136	14	3.3	0.00
27/07/2022 01:50	2.2	134	20	3.6	0.00
27/07/2022 02:00	2.1	146	17	2.9	0.00
27/07/2022 02:10	2.2	144	17	3.6	0.00
27/07/2022 02:20	2.2	124	19	3.5	0.00
27/07/2022 02:30	2.2	139	15	3.2	0.00
27/07/2022 02:40	2.3	141	17	3.6	0.00
27/07/2022 02:50	1.8	128	22	2.6	0.00
27/07/2022 03:00	2.0	136	22	3.3	0.00
27/07/2022 03:10	2.4	146	19	3.5	0.00
27/07/2022 03:20	2.8	150	14	3.8	0.00
27/07/2022 03:30	3.0	147	16	3.9	0.00
27/07/2022 03:40	2.9	144	20	4.9	0.00
27/07/2022 03:50	2.9	156	16	4.3	0.00
27/07/2022 04:00	2.4	150	17	3.5	0.00
27/07/2022 04:10	2.3	147	16	3.1	0.00
27/07/2022 04:20	2.9	155	14	3.9	0.00
27/07/2022 04:30	2.5	149	16	4.0	0.00
27/07/2022 04:40	1.9	120	20	2.8	0.00
27/07/2022 04:50	1.7	109	16	2.8	0.00
27/07/2022 05:00	1.7	117	21	2.8	0.00
27/07/2022 05:10	1.8	117	17	2.8	0.00
27/07/2022 05:20	1.8	120	20	3.1	0.00
27/07/2022 05:30	1.4	111	24	2.2	0.00
27/07/2022 05:40	2.0	117	20	3.7	0.00
27/07/2022 05:50	2.2	122	19	3.4	0.00
27/07/2022 06:00	2.2	118	18	3.6	0.00
27/07/2022 06:10	2.5	134	24	3.7	0.00
27/07/2022 06:20	2.7	122	19	4.0	0.00
27/07/2022 06:30	2.6	133	17	3.7	0.00
27/07/2022 06:40	2.7	134	17	3.8	0.00
27/07/2022 06:50	2.3	135	17	3.4	0.00
27/07/2022 07:00	2.6	121	19	4.3	0.00
27/07/2022 07:10	2.8	130	19	4.4	0.00
27/07/2022 07:20	3.1	132	20	5.2	0.00
27/07/2022 07:30	2.4	121	21	3.9	0.00
27/07/2022 07:40	2.9	118	22	4.4	0.00
27/07/2022 07:50	2.3	120	25	3.7	0.00
27/07/2022 08:00	3.0	123	22	4.4	0.00
27/07/2022 08:10	3.0	120	15	4.4	0.00
27/07/2022 08:20	2.9	121	18	4.8	0.00
27/07/2022 08:30	3.4	119	19	5.5	0.00
27/07/2022 08:40	2.9	121	24	4.7	0.00
27/07/2022 08:50	2.3	125	21	3.7	0.00
27/07/2022 09:00	2.5	121	26	3.9	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/07/2022 09:10	2.7	115	24	4.2	0.00
27/07/2022 09:20	2.9	123	21	4.7	0.00
27/07/2022 09:30	2.8	126	18	4.4	0.00
27/07/2022 09:40	2.7	127	20	4.4	0.00
27/07/2022 09:50	2.7	120	23	4.8	0.00
27/07/2022 10:00	2.2	105	23	3.4	0.00
27/07/2022 10:10	2.3	109	20	3.2	0.00
27/07/2022 10:20	2.1	83	21	3.0	0.00
27/07/2022 10:30	2.4	49	18	3.2	0.00
27/07/2022 10:40	1.9	44	18	2.6	0.00
27/07/2022 10:50	1.7	57	25	2.5	0.00
27/07/2022 11:00	2.2	67	28	3.5	0.00
27/07/2022 11:10	3.4	50	13	4.5	0.00
27/07/2022 11:20	3.3	58	12	4.4	0.00
27/07/2022 11:30	3.8	41	12	5.2	0.00
27/07/2022 11:40	3.5	50	12	4.6	0.00
27/07/2022 11:50	3.3	50	13	4.6	0.00
27/07/2022 12:00	3.4	45	13	4.7	0.00
27/07/2022 12:10	3.2	47	14	4.6	0.00
27/07/2022 12:20	3.5	55	11	4.6	0.00
27/07/2022 12:30	3.1	54	13	4.0	0.00
27/07/2022 12:40	2.8	55	15	4.3	0.00
27/07/2022 12:50	3.0	60	14	4.0	0.00
27/07/2022 13:00	3.3	68	10	4.2	0.00
27/07/2022 13:10	3.0	62	11	3.8	0.00
27/07/2022 13:20	2.9	59	11	3.8	0.00
27/07/2022 13:30	2.9	58	11	3.8	0.00
27/07/2022 13:40	2.8	66	12	3.6	0.00
27/07/2022 13:50	2.6	67	12	3.5	0.00
27/07/2022 14:00	2.2	66	14	3.3	0.00
27/07/2022 14:10	2.4	62	19	3.4	0.00
27/07/2022 14:20	2.5	54	14	3.5	0.00
27/07/2022 14:30	2.5	50	13	3.4	0.00
27/07/2022 14:40	2.2	58	13	3.2	0.00
27/07/2022 14:50	2.2	49	12	3.2	0.00
27/07/2022 15:00	2.1	47	14	2.9	0.00
27/07/2022 15:10	2.1	48	14	3.2	0.00
27/07/2022 15:20	2.1	52	15	3.0	0.00
27/07/2022 15:30	2.1	57	17	2.9	0.00
27/07/2022 15:40	2.2	55	15	3.3	0.00
27/07/2022 15:50	2.0	56	18	2.6	0.00
27/07/2022 16:00	1.8	67	19	2.8	0.00
27/07/2022 16:10	1.9	59	15	2.6	0.00
27/07/2022 16:20	1.6	73	21	3.1	0.00
27/07/2022 16:30	2.1	88	13	3.5	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/07/2022 16:40	1.9	84	14	3.2	0.00
27/07/2022 16:50	2.0	82	15	3.0	0.00
27/07/2022 17:00	2.4	93	14	3.6	0.00
27/07/2022 17:10	2.2	93	14	2.9	0.00
27/07/2022 17:20	1.9	91	15	2.8	0.00
27/07/2022 17:30	1.5	86	13	2.2	0.00
27/07/2022 17:40	1.0	93	15	1.5	0.00
27/07/2022 17:50	1.1	96	15	1.7	0.00
27/07/2022 18:00	1.2	91	10	1.9	0.00
27/07/2022 18:10	1.0	81	15	1.6	0.00
27/07/2022 18:20	0.8	79	12	1.1	0.00
27/07/2022 18:30	1.0	90	14	1.7	0.00
27/07/2022 18:40	0.9	84	11	1.3	0.00
27/07/2022 18:50	1.2	86	13	1.6	0.00
27/07/2022 19:00	1.0	87	12	1.3	0.00
27/07/2022 19:10	1.0	83	15	1.5	0.00
27/07/2022 19:20	1.2	87	13	1.6	0.00
27/07/2022 19:30	1.2	92	13	1.8	0.00
27/07/2022 19:40	1.5	93	13	2.0	0.00
27/07/2022 19:50	1.4	92	13	2.0	0.00
27/07/2022 20:00	1.4	90	13	1.9	0.00
27/07/2022 20:10	1.3	92	14	2.0	0.00
27/07/2022 20:20	1.5	100	11	2.0	0.00
27/07/2022 20:30	1.9	100	14	2.8	0.00
27/07/2022 20:40	2.0	92	12	2.8	0.00
27/07/2022 20:50	2.0	89	12	2.8	0.00
27/07/2022 21:00	2.0	90	14	2.8	0.00
27/07/2022 21:10	1.8	94	15	2.8	0.00
27/07/2022 21:20	1.9	95	14	2.7	0.00
27/07/2022 21:30	2.0	91	13	2.8	0.00
27/07/2022 21:40	1.9	89	13	2.7	0.00
27/07/2022 21:50	1.8	92	12	2.6	0.00
27/07/2022 22:00	1.5	101	21	2.3	0.00
27/07/2022 22:10	1.4	99	19	2.0	0.00
27/07/2022 22:20	1.3	96	18	1.9	0.00
27/07/2022 22:30	1.5	100	16	2.0	0.00
27/07/2022 22:40	1.2	89	13	2.0	0.00
27/07/2022 22:50	1.3	93	15	1.9	0.00
27/07/2022 23:00	1.6	95	9	2.1	0.00
27/07/2022 23:10	1.6	101	11	2.0	0.00
27/07/2022 23:20	1.4	99	18	2.4	0.00
27/07/2022 23:30	1.6	108	20	2.7	0.00
27/07/2022 23:40	1.4	100	23	2.4	0.00
27/07/2022 23:50	1.3	113	27	2.4	0.00
28/07/2022 00:00	1.4	98	17	2.3	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/07/2022 00:10	1.8	97	17	3.1	0.00
28/07/2022 00:20	1.7	103	20	2.7	0.00
28/07/2022 00:30	2.0	109	14	2.8	0.00
28/07/2022 00:40	1.4	95	27	2.3	0.00
28/07/2022 00:50	0.9	106	45	1.9	0.00
28/07/2022 01:00	0.7	76	37	1.6	0.00
28/07/2022 01:10	1.0	163	35	1.6	0.00
28/07/2022 01:20	0.1	350	5	0.8	0.00
28/07/2022 01:30	0.7	319	17	1.2	0.00
28/07/2022 01:40	1.0	301	50	1.7	0.00
28/07/2022 01:50	1.3	149	65	2.8	0.00
28/07/2022 02:00	2.1	141	27	3.3	0.00
28/07/2022 02:10	1.8	138	37	3.8	0.00
28/07/2022 02:20	1.3	138	47	2.6	0.00
28/07/2022 02:30	1.8	138	31	3.2	0.00
28/07/2022 02:40	1.8	123	21	3.1	0.00
28/07/2022 02:50	2.2	121	18	3.5	0.00
28/07/2022 03:00	2.1	123	21	3.2	0.00
28/07/2022 03:10	1.8	132	26	2.8	0.00
28/07/2022 03:20	2.1	131	20	3.5	0.00
28/07/2022 03:30	1.8	138	21	2.8	0.00
28/07/2022 03:40	2.1	136	25	3.7	0.00
28/07/2022 03:50	1.8	138	20	2.7	0.00
28/07/2022 04:00	2.4	138	22	4.1	0.00
28/07/2022 04:10	2.5	134	23	4.0	0.00
28/07/2022 04:20	2.6	131	21	4.0	0.00
28/07/2022 04:30	2.2	108	21	3.6	0.00
28/07/2022 04:40	2.0	117	19	3.3	0.00
28/07/2022 04:50	2.1	104	16	3.0	0.00
28/07/2022 05:00	2.2	107	16	3.4	0.00
28/07/2022 05:10	1.8	102	20	3.1	0.00
28/07/2022 05:20	2.1	111	16	3.2	0.00
28/07/2022 05:30	2.4	113	13	3.3	0.00
28/07/2022 05:40	2.4	109	14	3.2	0.00
28/07/2022 05:50	2.8	110	12	3.7	0.00
28/07/2022 06:00	2.6	110	10	3.4	0.00
28/07/2022 06:10	2.7	121	14	3.6	0.00
28/07/2022 06:20	2.7	123	17	4.0	0.00
28/07/2022 06:30	2.7	122	17	4.0	0.00
28/07/2022 06:40	2.9	119	14	3.6	0.00
28/07/2022 06:50	2.8	115	12	3.5	0.00
28/07/2022 07:00	2.6	122	15	3.6	0.00
28/07/2022 07:10	2.9	125	15	4.0	0.00
28/07/2022 07:20	2.8	121	15	3.8	0.00
28/07/2022 07:30	3.0	115	11	4.4	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/07/2022 07:40	3.2	115	11	4.2	0.00
28/07/2022 07:50	3.3	116	11	4.1	0.00
28/07/2022 08:00	3.1	121	13	4.2	0.00
28/07/2022 08:10	3.3	116	12	4.7	0.00
28/07/2022 08:20	3.4	116	11	4.7	0.00
28/07/2022 08:30	2.3	97	20	3.5	0.00
28/07/2022 08:40	3.3	84	16	5.0	0.00
28/07/2022 08:50	3.4	81	16	4.8	0.00
28/07/2022 09:00	3.8	80	14	5.6	0.00
28/07/2022 09:10	3.9	84	16	5.3	0.00
28/07/2022 09:20	3.9	88	14	5.6	0.00
28/07/2022 09:30	3.6	77	14	4.8	0.00
28/07/2022 09:40	3.4	82	14	4.8	0.00
28/07/2022 09:50	3.7	80	14	5.2	0.00
28/07/2022 10:00	3.8	81	12	5.3	0.00
28/07/2022 10:10	3.8	83	11	5.2	0.00
28/07/2022 10:20	3.6	84	14	5.2	0.00
28/07/2022 10:30	3.4	84	16	5.0	0.00
28/07/2022 10:40	3.6	77	13	5.0	0.00
28/07/2022 10:50	3.9	74	15	5.5	0.00
28/07/2022 11:00	3.9	74	13	5.0	0.00
28/07/2022 11:10	3.6	81	14	4.6	0.00
28/07/2022 11:20	3.7	80	12	5.1	0.00
28/07/2022 11:30	4.0	74	12	5.3	0.00
28/07/2022 11:40	3.7	76	15	5.2	0.00
28/07/2022 11:50	3.6	73	13	5.2	0.00
28/07/2022 12:00	3.4	73	14	4.6	0.00
28/07/2022 12:10	3.7	73	14	5.1	0.00
28/07/2022 12:20	3.7	77	13	4.9	0.00
28/07/2022 12:30	3.7	74	11	5.0	0.00
28/07/2022 12:40	3.7	70	12	5.4	0.00
28/07/2022 12:50	3.7	72	12	5.1	0.00
28/07/2022 13:00	3.5	74	14	4.8	0.00
28/07/2022 13:10	3.6	76	13	4.8	0.00
28/07/2022 13:20	3.4	81	14	4.9	0.00
28/07/2022 13:30	3.3	75	16	4.4	0.00
28/07/2022 13:40	3.1	65	15	4.8	0.00
28/07/2022 13:50	3.4	55	14	4.8	0.00
28/07/2022 14:00	3.8	52	9	4.8	0.00
28/07/2022 14:10	4.0	57	9	4.8	0.00
28/07/2022 14:20	3.8	57	10	5.1	0.00
28/07/2022 14:30	3.5	55	9	4.6	0.00
28/07/2022 14:40	2.9	54	13	3.9	0.00
28/07/2022 14:50	2.9	59	14	3.9	0.00
28/07/2022 15:00	2.8	64	15	3.9	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/07/2022 15:10	2.5	72	20	3.4	0.00
28/07/2022 15:20	2.7	92	13	3.7	0.00
28/07/2022 15:30	2.8	86	14	3.7	0.00
28/07/2022 15:40	2.4	85	16	3.2	0.00
28/07/2022 15:50	1.9	49	19	2.6	0.00
28/07/2022 16:00	1.7	63	19	2.7	0.00
28/07/2022 16:10	1.6	72	32	2.4	0.00
28/07/2022 16:20	2.0	91	17	2.8	0.00
28/07/2022 16:30	2.2	83	15	3.3	0.00
28/07/2022 16:40	2.4	107	23	3.3	0.00
28/07/2022 16:50	2.8	86	13	3.9	0.00
28/07/2022 17:00	2.4	105	17	3.6	0.00
28/07/2022 17:10	2.6	91	16	4.0	0.00
28/07/2022 17:20	2.1	98	16	3.6	0.00
28/07/2022 17:30	2.1	118	19	3.1	0.00
28/07/2022 17:40	2.1	98	21	3.3	0.00
28/07/2022 17:50	2.0	112	23	3.4	0.00
28/07/2022 18:00	2.5	93	22	4.4	0.00
28/07/2022 18:10	2.6	96	24	4.3	0.00
28/07/2022 18:20	2.2	103	24	3.4	0.00
28/07/2022 18:30	3.0	94	18	4.8	0.00
28/07/2022 18:40	3.2	93	16	4.7	0.00
28/07/2022 18:50	2.9	96	18	4.4	0.00
28/07/2022 19:00	2.8	108	16	4.1	0.00
28/07/2022 19:10	2.9	106	19	4.5	0.00
28/07/2022 19:20	2.7	109	20	4.1	0.00
28/07/2022 19:30	2.6	111	19	3.8	0.00
28/07/2022 19:40	2.3	98	17	3.5	0.00
28/07/2022 19:50	2.0	71	14	3.2	0.00
28/07/2022 20:00	1.3	55	15	2.0	0.00
28/07/2022 20:10	1.0	88	17	1.5	0.00
28/07/2022 20:20	0.4	75	10	0.9	0.00
28/07/2022 20:30	0.4	135	9	0.8	0.00
28/07/2022 20:40	0.4	123	19	0.8	0.00
28/07/2022 20:50	0.5	95	14	0.8	0.00
28/07/2022 21:00	0.1	105	5	0.5	0.00
28/07/2022 21:10	0.0	159	0	0.4	0.00
28/07/2022 21:20	0.3	197	14	0.9	0.00
28/07/2022 21:30	0.5	203	9	0.9	0.00
28/07/2022 21:40	0.1	141	8	0.5	0.00
28/07/2022 21:50					0.00
28/07/2022 22:00					0.00
28/07/2022 22:10					0.00
28/07/2022 22:20					0.00
28/07/2022 22:30	0.2	166	16	0.7	0.00





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/07/2022 22:40	0.2	211	15	0.7	0.00
28/07/2022 22:50	0.3	172	11	0.8	0.00
28/07/2022 23:00	0.3	334	6	0.8	0.00
28/07/2022 23:10	0.2	303	18	0.8	0.00
28/07/2022 23:20	0.2	170	2	0.8	0.00
28/07/2022 23:30	0.3	21	7	0.8	0.00
28/07/2022 23:40	0.2	53	15	0.7	0.00
28/07/2022 23:50	0.4	27	7	0.8	0.00
29/07/2022 00:00	0.8	62	12	1.4	0.00
29/07/2022 00:10	0.8	78	11	1.4	0.00
29/07/2022 00:20	1.4	74	10	2.0	0.00
29/07/2022 00:30	0.6	220	20	1.2	0.00
29/07/2022 00:40	0.4	50	38	1.2	0.00
29/07/2022 00:50	1.6	127	19	2.7	0.00
29/07/2022 01:00	1.6	134	19	2.5	0.00
29/07/2022 01:10	1.5	255	32	2.4	0.00
29/07/2022 01:20	1.3	86	29	2.2	0.00
29/07/2022 01:30	1.2	112	16	2.1	0.00
29/07/2022 01:40	0.6	121	21	1.5	0.00
29/07/2022 01:50	0.5	130	36	1.1	0.00
29/07/2022 02:00	0.8	334	10	1.3	0.00
29/07/2022 02:10	0.8	333	4	1.2	0.00
29/07/2022 02:20	0.3	312	6	0.9	0.00
29/07/2022 02:30	0.2	242	20	0.9	0.00
29/07/2022 02:40	0.2	347	3	0.8	0.00
29/07/2022 02:50	0.6	325	6	1.2	0.00
29/07/2022 03:00	0.1	344	3	0.6	0.00
29/07/2022 03:10	0.1	166	4	0.8	0.00
29/07/2022 03:20	0.7	326	16	1.1	0.00
29/07/2022 03:30	0.2	296	22	0.7	0.00
29/07/2022 03:40	0.9	137	80	1.6	0.00
29/07/2022 03:50	1.1	143	56	2.0	0.00
29/07/2022 04:00	1.0	170	52	2.0	0.00
29/07/2022 04:10	1.1	170	35	2.4	0.00
29/07/2022 04:20	0.9	190	40	1.7	0.00
29/07/2022 04:30	1.3	150	33	2.4	0.00
29/07/2022 04:40	1.7	147	24	2.8	0.00
29/07/2022 04:50	1.7	146	18	2.8	0.00
29/07/2022 05:00	1.3	137	23	2.2	0.00
29/07/2022 05:10	1.4	126	23	2.4	0.00
29/07/2022 05:20	1.9	142	23	3.2	0.00
29/07/2022 05:30	2.9	157	13	4.1	0.00
29/07/2022 05:40	2.7	156	13	4.1	0.00
29/07/2022 05:50	2.9	151	15	4.5	0.00
29/07/2022 06:00	2.3	128	21	3.4	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/07/2022 06:10	2.1	109	12	2.8	0.00
29/07/2022 06:20	1.6	100	12	2.3	0.00
29/07/2022 06:30	1.7	111	11	2.2	0.00
29/07/2022 06:40	1.1	88	9	1.6	0.00
29/07/2022 06:50	1.5	94	12	2.1	0.00
29/07/2022 07:00	1.7	106	9	2.2	0.00
29/07/2022 07:10	1.4	98	10	1.8	0.00
29/07/2022 07:20	1.3	102	10	1.9	0.00
29/07/2022 07:30	1.4	103	11	2.0	0.00
29/07/2022 07:40	1.8	125	17	2.7	0.00
29/07/2022 07:50	1.9	141	18	3.1	0.00
29/07/2022 08:00	2.6	151	14	3.5	0.00
29/07/2022 08:10	2.6	136	18	4.2	0.00
29/07/2022 08:20	2.7	132	20	4.2	0.00
29/07/2022 08:30	2.9	123	19	4.2	0.00
29/07/2022 08:40	3.2	118	15	4.4	0.00
29/07/2022 08:50	3.3	115	14	4.4	0.00
29/07/2022 09:00	2.5	117	18	3.9	0.00
29/07/2022 09:10	2.4	111	14	3.2	0.00
29/07/2022 09:20	2.0	111	16	3.1	0.00
29/07/2022 09:30	2.2	109	19	3.2	0.00
29/07/2022 09:40	2.5	116	22	4.1	0.00
29/07/2022 09:50	2.9	120	19	4.5	0.00
29/07/2022 10:00	2.6	117	24	4.2	0.00
29/07/2022 10:10	2.5	121	22	3.6	0.00
29/07/2022 10:20	2.7	116	16	3.7	0.00
29/07/2022 10:30	2.6	79	16	3.7	0.00
29/07/2022 10:40	2.1	52	17	2.8	0.00
29/07/2022 10:50	2.4	55	11	3.2	0.00
29/07/2022 11:00	2.3	49	13	3.1	0.00
29/07/2022 11:10	2.6	57	16	3.5	0.00
29/07/2022 11:20	2.5	55	17	3.6	0.00
29/07/2022 11:30	3.3	50	15	4.7	0.00
29/07/2022 11:40	3.2	55	13	4.2	0.00
29/07/2022 11:50	3.0	57	12	3.9	0.00
29/07/2022 12:00	3.1	62	11	3.8	0.00
29/07/2022 12:10	3.1	55	8	3.6	0.00
29/07/2022 12:20	3.0	63	10	3.5	0.00
29/07/2022 12:30	2.8	56	13	3.4	0.00
29/07/2022 12:40	2.9	51	14	3.6	0.00
29/07/2022 12:50	2.8	44	15	3.6	0.00
29/07/2022 13:00	2.5	53	18	3.3	0.00
29/07/2022 13:10	2.4	57	17	3.4	0.00
29/07/2022 13:20	2.9	56	14	4.1	0.00
29/07/2022 13:30	3.2	52	13	4.4	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/07/2022 13:40	3.6	49	11	4.6	0.00
29/07/2022 13:50	3.6	46	14	4.7	0.00
29/07/2022 14:00	3.4	49	13	4.6	0.00
29/07/2022 14:10	3.2	48	18	4.3	0.00
29/07/2022 14:20	3.3	65	12	4.2	0.00
29/07/2022 14:30	3.4	58	11	4.4	0.00
29/07/2022 14:40	2.6	59	15	3.7	0.00
29/07/2022 14:50	2.5	58	16	3.5	0.00
29/07/2022 15:00	2.6	62	15	3.5	0.00
29/07/2022 15:10	2.7	62	14	3.8	0.00
29/07/2022 15:20	2.8	52	15	3.8	0.00
29/07/2022 15:30	2.8	53	13	4.0	0.00
29/07/2022 15:40	2.5	55	15	3.5	0.00
29/07/2022 15:50	2.8	49	14	3.9	0.00
29/07/2022 16:00	2.8	51	11	4.0	0.00
29/07/2022 16:10	2.9	51	12	3.7	0.00
29/07/2022 16:20	2.5	53	14	3.8	0.00
29/07/2022 16:30	2.5	47	13	3.4	0.00
29/07/2022 16:40	2.1	56	17	2.9	0.00
29/07/2022 16:50	2.1	66	13	2.8	0.00
29/07/2022 17:00	1.7	69	14	2.4	0.00
29/07/2022 17:10	1.6	74	13	2.3	0.00
29/07/2022 17:20	1.3	82	14	1.9	0.00
29/07/2022 17:30	0.7	115	23	1.2	0.00
29/07/2022 17:40	0.4	82	20	0.8	0.00
29/07/2022 17:50	0.6	99	13	1.0	0.00
29/07/2022 18:00	0.5	188	12	0.8	0.00
29/07/2022 18:10	0.3	175	7	0.6	0.00
29/07/2022 18:20	0.3	159	14	1.0	0.00
29/07/2022 18:30	0.9	306	12	1.2	0.00
29/07/2022 18:40	0.9	316	15	1.2	0.00
29/07/2022 18:50	1.2	288	12	1.6	0.00
29/07/2022 19:00	1.1	282	13	1.8	0.00
29/07/2022 19:10	1.0	311	13	1.5	0.00
29/07/2022 19:20	1.4	305	13	2.0	0.00
29/07/2022 19:30	1.4	296	14	2.0	0.00
29/07/2022 19:40	1.3	261	18	2.0	0.00
29/07/2022 19:50	1.4	249	26	2.3	0.00
29/07/2022 20:00	1.4	218	24	2.3	0.00
29/07/2022 20:10	1.3	213	19	2.0	0.00
29/07/2022 20:20	1.0	246	42	1.6	0.00
29/07/2022 20:30	1.2	286	13	1.6	0.00
29/07/2022 20:40	1.4	243	16	1.9	0.00
29/07/2022 20:50	1.5	250	11	2.0	0.00
29/07/2022 21:00	1.1	248	19	1.4	0.00



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/07/2022 21:10	1.0	218	29	1.5	0.00
29/07/2022 21:20	0.3	325	31	0.7	0.00
29/07/2022 21:30	0.8	286	23	1.2	0.00
29/07/2022 21:40	0.9	277	10	1.2	0.00
29/07/2022 21:50	0.6	301	19	1.0	0.00
29/07/2022 22:00	0.2	325	6	1.0	0.00
29/07/2022 22:10	0.7	303	15	1.2	0.00
29/07/2022 22:20	1.1	297	5	1.5	0.00
29/07/2022 22:30	0.8	286	9	1.2	0.00
29/07/2022 22:40	0.4	183	38	0.8	0.00
29/07/2022 22:50	0.7	224	18	1.4	0.00
29/07/2022 23:00	1.4	207	12	1.9	0.00
29/07/2022 23:10	1.5	206	13	2.0	0.00
29/07/2022 23:20	0.4	241	35	0.8	0.00
29/07/2022 23:30	0.5	202	43	0.9	0.00
29/07/2022 23:40	0.4	164	9	1.1	0.00
29/07/2022 23:50	0.2	154	10	0.8	0.00
30/07/2022 00:00	0.1	13	3	0.5	0.00
30/07/2022 00:10	0.0	147	1	0.4	0.00
30/07/2022 00:20					0.00
30/07/2022 00:30					0.00
30/07/2022 00:40	0.6	290	17	1.2	0.00
30/07/2022 00:50	0.3	79	33	0.7	0.00
30/07/2022 01:00	0.1	107	6	0.7	0.00
30/07/2022 01:10	0.7	195	29	1.5	0.00
30/07/2022 01:20	1.0	215	34	1.6	0.00
30/07/2022 01:30	1.6	238	22	2.6	0.00
30/07/2022 01:40	1.0	270	45	2.0	0.00
30/07/2022 01:50	1.3	280	27	2.1	0.00
30/07/2022 02:00	1.1	257	32	1.8	0.00
30/07/2022 02:10	1.0	285	22	1.6	0.00
30/07/2022 02:20	1.1	265	38	1.8	0.00
30/07/2022 02:30	1.3	282	35	2.1	0.00
30/07/2022 02:40	1.2	292	24	1.6	0.00
30/07/2022 02:50	1.2	303	29	1.7	0.00
30/07/2022 03:00	1.2	295	14	1.6	0.00
30/07/2022 03:10	0.4	119	14	1.0	0.00
30/07/2022 03:20	0.9	219	38	1.4	0.00
30/07/2022 03:30	0.2	41	24	0.6	0.00
30/07/2022 03:40	0.1	45	12	0.5	0.00
30/07/2022 03:50	0.2	106	15	0.8	0.00
30/07/2022 04:00	0.0	163	2	0.4	0.00
30/07/2022 04:10					0.00
30/07/2022 04:20	0.2	102	3	0.8	0.00
30/07/2022 04:30	0.2	145	12	0.7	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/07/2022 04:40	0.9	293	13	1.3	0.00
30/07/2022 04:50	0.7	188	37	1.3	0.00
30/07/2022 05:00	0.7	114	23	0.9	0.00
30/07/2022 05:10	0.3	146	19	0.7	0.00
30/07/2022 05:20	0.4	208	57	0.8	0.00
30/07/2022 05:30	0.4	228	35	0.8	0.00
30/07/2022 05:40	0.2	158	9	0.7	0.00
30/07/2022 05:50	0.1	217	4	0.6	0.00
30/07/2022 06:00	0.4	184	19	0.8	0.00
30/07/2022 06:10					0.00
30/07/2022 06:20	0.3	4	3	1.1	0.00
30/07/2022 06:30	0.6	331	6	1.0	0.00
30/07/2022 06:40	0.2	329	1	1.1	0.00
30/07/2022 06:50	0.6	301	21	1.0	0.00
30/07/2022 07:00	0.6	63	33	1.8	0.00
30/07/2022 07:10	1.8	115	15	2.5	0.00
30/07/2022 07:20	1.9	105	18	2.8	0.00
30/07/2022 07:30	1.8	100	21	2.8	0.00
30/07/2022 07:40	2.4	108	14	3.3	0.00
30/07/2022 07:50	2.4	115	14	3.1	0.00
30/07/2022 08:00	2.6	120	12	3.3	0.00
30/07/2022 08:10	2.2	113	10	2.9	0.00
30/07/2022 08:20	2.0	110	10	2.5	0.00
30/07/2022 08:30	2.0	108	12	2.7	0.00
30/07/2022 08:40	2.0	117	15	2.5	0.00
30/07/2022 08:50	1.9	109	13	2.5	0.00
30/07/2022 09:00	1.9	99	14	2.5	0.00
30/07/2022 09:10	1.9	102	13	2.6	0.00
30/07/2022 09:20	2.0	105	14	2.8	0.00
30/07/2022 09:30	2.2	110	14	3.0	0.00
30/07/2022 09:40	2.3	107	13	3.1	0.00
30/07/2022 09:50	2.6	98	15	3.6	0.00
30/07/2022 10:00	2.6	77	12	3.4	0.00
30/07/2022 10:10	2.9	77	13	3.8	0.00
30/07/2022 10:20	2.8	79	13	3.7	0.00
30/07/2022 10:30	2.6	82	19	3.5	0.00
30/07/2022 10:40	2.5	71	18	3.9	0.00
30/07/2022 10:50	2.6	71	16	3.4	0.00
30/07/2022 11:00	2.8	51	13	3.6	0.00
30/07/2022 11:10	2.6	51	11	3.3	0.00
30/07/2022 11:20	2.5	56	14	3.2	0.00
30/07/2022 11:30	2.5	62	14	3.1	0.00
30/07/2022 11:40	2.6	54	17	3.2	0.00
30/07/2022 11:50	2.5	63	15	3.2	0.00
30/07/2022 12:00	2.7	54	13	3.2	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/07/2022 12:10	2.6	50	15	3.3	0.00
30/07/2022 12:20	2.2	60	23	2.8	0.00
30/07/2022 12:30	2.4	60	21	3.2	0.00
30/07/2022 12:40	2.5	64	17	3.5	0.00
30/07/2022 12:50	2.9	66	14	4.0	0.00
30/07/2022 13:00	3.1	55	15	4.5	0.00
30/07/2022 13:10	3.1	55	13	4.0	0.00
30/07/2022 13:20	2.9	58	16	4.4	0.00
30/07/2022 13:30	3.1	57	13	4.3	0.00
30/07/2022 13:40	3.1	64	14	4.1	0.00
30/07/2022 13:50	3.2	68	11	4.0	0.00
30/07/2022 14:00	2.8	52	15	3.8	0.00
30/07/2022 14:10	3.1	66	14	4.1	0.00
30/07/2022 14:20	2.8	68	14	3.6	0.00
30/07/2022 14:30	3.0	71	11	3.6	0.00
30/07/2022 14:40	2.8	71	13	3.4	0.00
30/07/2022 14:50	2.7	60	11	3.5	0.00
30/07/2022 15:00	2.4	65	15	3.2	0.00
30/07/2022 15:10	2.7	62	13	3.3	0.00
30/07/2022 15:20	2.5	62	13	3.2	0.00
30/07/2022 15:30	2.5	62	17	3.6	0.00
30/07/2022 15:40	2.3	80	15	3.1	0.00
30/07/2022 15:50	2.4	87	15	3.1	0.00
30/07/2022 16:00	2.1	73	14	2.7	0.00
30/07/2022 16:10	2.1	52	15	2.6	0.00
30/07/2022 16:20	1.9	49	14	2.6	0.00
30/07/2022 16:30	1.6	51	21	2.1	0.00
30/07/2022 16:40	1.4	49	19	2.0	0.00
30/07/2022 16:50	1.1	74	23	1.8	0.00
30/07/2022 17:00	0.8	69	19	1.3	0.00
30/07/2022 17:10	0.3	150	23	0.8	0.00
30/07/2022 17:20	0.1	249	33	0.8	0.00
30/07/2022 17:30	1.2	291	29	2.4	0.00
30/07/2022 17:40	1.6	282	19	2.3	0.00
30/07/2022 17:50	1.7	289	18	2.3	0.00
30/07/2022 18:00	1.7	263	15	2.4	0.00
30/07/2022 18:10	1.9	268	17	2.8	0.00
30/07/2022 18:20	1.8	243	30	3.0	0.00
30/07/2022 18:30	1.3	259	29	2.2	0.00
30/07/2022 18:40	1.4	291	19	2.1	0.00
30/07/2022 18:50	1.4	290	21	1.9	0.00
30/07/2022 19:00	1.5	257	20	2.3	0.00
30/07/2022 19:10	1.8	264	18	2.5	0.00
30/07/2022 19:20	1.6	262	18	2.5	0.00
30/07/2022 19:30	1.8	242	29	2.9	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/07/2022 19:40	2.0	261	20	2.8	0.00
30/07/2022 19:50	1.9	266	14	2.8	0.00
30/07/2022 20:00	1.5	262	18	2.2	0.00
30/07/2022 20:10	1.7	263	22	2.7	0.00
30/07/2022 20:20	1.9	235	24	2.8	0.00
30/07/2022 20:30	1.7	225	24	2.8	0.00
30/07/2022 20:40	1.7	219	19	2.4	0.00
30/07/2022 20:50	1.9	249	25	2.9	0.00
30/07/2022 21:00	1.6	237	24	2.5	0.00
30/07/2022 21:10	1.3	202	31	2.0	0.00
30/07/2022 21:20	1.2	232	25	2.0	0.00
30/07/2022 21:30	1.5	270	21	2.3	0.00
30/07/2022 21:40	1.4	218	33	2.2	0.00
30/07/2022 21:50	0.9	265	41	1.6	0.00
30/07/2022 22:00	1.1	194	29	1.7	0.00
30/07/2022 22:10	0.8	267	62	2.3	0.00
30/07/2022 22:20	1.0	213	48	1.6	0.00
30/07/2022 22:30	0.9	265	64	1.9	0.00
30/07/2022 22:40	1.1	230	32	2.1	0.00
30/07/2022 22:50	1.4	257	39	2.5	0.00
30/07/2022 23:00	1.7	280	19	2.6	0.00
30/07/2022 23:10	1.6	237	33	2.8	0.00
30/07/2022 23:20	1.5	220	34	2.4	0.00
30/07/2022 23:30	1.0	233	62	2.0	0.00
30/07/2022 23:40	1.1	246	40	2.4	0.00
30/07/2022 23:50	0.7	269	60	1.8	0.00
31/07/2022 00:00	1.2	220	35	2.3	0.00
31/07/2022 00:10	1.8	214	29	3.1	0.00
31/07/2022 00:20	1.4	227	60	2.6	0.00
31/07/2022 00:30	1.3	219	30	2.4	0.00
31/07/2022 00:40	1.4	210	31	2.4	0.00
31/07/2022 00:50	2.4	205	30	3.7	0.00
31/07/2022 01:00	2.3	209	28	3.6	0.00
31/07/2022 01:10	2.6	204	20	4.3	0.00
31/07/2022 01:20	2.8	204	17	4.0	0.00
31/07/2022 01:30	2.4	210	19	4.0	0.00
31/07/2022 01:40	1.8	198	31	3.2	0.00
31/07/2022 01:50	2.6	189	14	4.1	0.00
31/07/2022 02:00	3.4	192	12	4.4	0.00
31/07/2022 02:10	3.4	193	11	4.6	0.00
31/07/2022 02:20	3.9	187	12	5.2	0.00
31/07/2022 02:30	4.0	184	11	5.2	0.00
31/07/2022 02:40	3.1	174	12	4.4	0.00
31/07/2022 02:50	2.5	181	14	4.1	0.00
31/07/2022 03:00	2.7	181	15	3.8	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/07/2022 03:10	2.5	164	17	3.4	0.00
31/07/2022 03:20	2.8	160	14	3.8	0.00
31/07/2022 03:30	2.5	170	15	3.5	0.00
31/07/2022 03:40	2.4	158	17	3.6	0.00
31/07/2022 03:50	1.3	177	22	2.0	0.00
31/07/2022 04:00	1.2	163	27	2.0	0.00
31/07/2022 04:10	0.3	72	19	0.8	0.00
31/07/2022 04:20	0.9	78	43	1.2	0.00
31/07/2022 04:30	1.1	93	14	1.6	0.00
31/07/2022 04:40	1.2	110	18	1.8	0.00
31/07/2022 04:50	1.6	95	12	2.4	0.00
31/07/2022 05:00	1.7	106	10	2.2	0.00
31/07/2022 05:10	1.6	107	10	2.0	0.00
31/07/2022 05:20	1.4	98	13	1.9	0.00
31/07/2022 05:30	1.8	83	13	2.6	0.00
31/07/2022 05:40	1.3	95	14	2.0	0.00
31/07/2022 05:50	1.3	111	15	1.8	0.00
31/07/2022 06:00	1.6	104	12	2.0	0.00
31/07/2022 06:10	1.7	104	14	2.5	0.00
31/07/2022 06:20	1.9	101	16	2.8	0.00
31/07/2022 06:30	2.3	80	14	3.6	0.00
31/07/2022 06:40	3.0	83	13	4.2	0.00
31/07/2022 06:50	2.7	83	13	3.9	0.00
31/07/2022 07:00	2.9	90	17	4.9	0.00
31/07/2022 07:10	3.5	87	14	5.2	0.00
31/07/2022 07:20	3.4	89	16	4.8	0.00
31/07/2022 07:30	3.5	90	18	5.2	0.00
31/07/2022 07:40	3.6	87	14	4.9	0.00
31/07/2022 07:50	3.6	82	14	4.9	0.00
31/07/2022 08:00	3.7	74	13	5.2	0.00
31/07/2022 08:10	3.9	79	14	5.6	0.00
31/07/2022 08:20	3.4	76	16	5.0	0.00
31/07/2022 08:30	3.7	77	15	5.1	0.00
31/07/2022 08:40	3.8	71	13	5.5	0.00
31/07/2022 08:50	4.2	72	16	6.4	0.00
31/07/2022 09:00	4.7	73	13	6.4	0.00
31/07/2022 09:10	4.5	75	16	6.5	0.00
31/07/2022 09:20	4.0	71	14	5.6	0.00
31/07/2022 09:30	4.1	74	16	6.0	0.00
31/07/2022 09:40	4.4	71	14	6.4	0.00
31/07/2022 09:50	3.8	75	15	5.6	0.00
31/07/2022 10:00	4.1	72	12	5.7	0.00
31/07/2022 10:10	4.0	79	14	5.6	0.00
31/07/2022 10:20	3.7	70	16	5.4	0.00
31/07/2022 10:30	4.3	74	14	6.0	0.00





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/07/2022 10:40	4.4	71	15	6.6	0.00
31/07/2022 10:50	4.0	69	15	5.5	0.00
31/07/2022 11:00	4.3	74	13	6.0	0.00
31/07/2022 11:10	4.3	72	13	6.0	0.00
31/07/2022 11:20	4.6	72	14	6.2	0.00
31/07/2022 11:30	4.1	70	16	6.0	0.00
31/07/2022 11:40	4.3	73	13	5.7	0.00
31/07/2022 11:50	4.4	64	13	6.5	0.00
31/07/2022 12:00	4.6	74	13	6.2	0.00
31/07/2022 12:10	4.4	70	15	6.1	0.00
31/07/2022 12:20	4.6	74	12	6.4	0.00
31/07/2022 12:30	4.0	65	14	6.2	0.00
31/07/2022 12:40	4.2	70	16	5.9	0.00
31/07/2022 12:50	3.7	71	14	5.1	0.00
31/07/2022 13:00	3.8	57	13	5.3	0.00
31/07/2022 13:10	3.6	63	15	5.3	0.00
31/07/2022 13:20	3.7	70	14	5.2	0.00
31/07/2022 13:30	3.9	60	12	5.7	0.00
31/07/2022 13:40	4.8	57	11	6.3	0.00
31/07/2022 13:50	4.7	58	12	6.3	0.00
31/07/2022 14:00	4.8	56	11	6.3	0.00
31/07/2022 14:10	4.1	54	14	6.2	0.00
31/07/2022 14:20	4.4	56	13	6.0	0.00
31/07/2022 14:30	4.0	55	12	5.6	0.00
31/07/2022 14:40	4.2	56	11	6.0	0.00
31/07/2022 14:50	4.5	59	10	5.8	0.00
31/07/2022 15:00	4.3	60	10	5.4	0.00
31/07/2022 15:10	3.6	54	11	4.9	0.00
31/07/2022 15:20	3.6	46	14	5.2	0.00
31/07/2022 15:30	3.4	38	13	5.0	0.00
31/07/2022 15:40	3.6	42	12	5.1	0.00
31/07/2022 15:50	3.5	38	14	4.7	0.00
31/07/2022 16:00	3.3	39	16	4.6	0.00
31/07/2022 16:10	3.3	37	15	4.6	0.00
31/07/2022 16:20	3.7	42	13	4.9	0.00
31/07/2022 16:30	3.1	45	13	4.3	0.00
31/07/2022 16:40	2.7	45	14	3.8	0.00
31/07/2022 16:50	2.9	40	16	3.9	0.00
31/07/2022 17:00	2.6	43	13	3.8	0.00
31/07/2022 17:10	2.3	40	11	3.7	0.00
31/07/2022 17:20	2.2	39	13	3.2	0.00
31/07/2022 17:30	1.9	41	12	2.6	0.00
31/07/2022 17:40	2.0	42	11	2.8	0.00
31/07/2022 17:50	1.9	42	12	2.5	0.00
31/07/2022 18:00	1.7	39	12	2.4	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/07/2022 18:10	1.7	44	12	2.2	0.00
31/07/2022 18:20	1.2	46	13	1.8	0.00
31/07/2022 18:30	0.5	61	10	1.2	0.00
31/07/2022 18:40	0.2	84	13	0.9	0.00
31/07/2022 18:50	0.4	80	12	1.1	0.00
31/07/2022 19:00	0.4	83	19	0.7	0.00
31/07/2022 19:10	0.5	60	10	1.0	0.00
31/07/2022 19:20	0.8	43	14	1.4	0.00
31/07/2022 19:30	0.9	41	18	1.6	0.00
31/07/2022 19:40	1.3	32	14	2.0	0.00
31/07/2022 19:50	1.1	25	20	2.0	0.00
31/07/2022 20:00	1.2	28	15	1.7	0.00
31/07/2022 20:10	0.3	52	10	0.6	0.00
31/07/2022 20:20	0.1	45	11	0.5	0.00
31/07/2022 20:30	0.2	229	11	0.6	0.00
31/07/2022 20:40	0.1	116	23	0.6	0.00
31/07/2022 20:50	0.5	116	28	0.9	0.00
31/07/2022 21:00	0.6	159	30	0.9	0.00
31/07/2022 21:10	0.8	181	27	1.2	0.00
31/07/2022 21:20	0.9	179	8	1.2	0.00
31/07/2022 21:30	0.6	203	15	1.1	0.00
31/07/2022 21:40	0.4	217	12	0.9	0.00
31/07/2022 21:50	0.1	191	18	0.5	0.00
31/07/2022 22:00	0.1	138	2	0.6	0.00
31/07/2022 22:10	0.2	159	5	0.7	0.00
31/07/2022 22:20	0.2	168	13	0.7	0.00
31/07/2022 22:30	0.7	171	22	1.1	0.00
31/07/2022 22:40	0.2	146	10	0.5	0.00
31/07/2022 22:50	0.6	189	5	0.9	0.00
31/07/2022 23:00	0.0	161	2	0.4	0.00
31/07/2022 23:10	0.4	133	18	0.8	0.00
31/07/2022 23:20	0.6	101	12	1.1	0.00
31/07/2022 23:30	0.8	123	23	1.2	0.00
31/07/2022 23:40	1.2	151	16	1.7	0.00
31/07/2022 23:50	0.7	214	45	1.1	0.00
01/08/2022 00:00	0.3	173	6	0.8	0.00
01/08/2022 00:10	0.1	109	7	0.6	0.00
01/08/2022 00:20	0.5	41	36	1.1	0.00
01/08/2022 00:30	0.8	239	51	1.7	0.00
01/08/2022 00:40	1.5	152	23	2.9	0.00
01/08/2022 00:50	0.7	221	69	1.5	0.00
01/08/2022 01:00	0.4	158	27	0.9	0.00
01/08/2022 01:10	1.2	66	28	2.0	0.00
01/08/2022 01:20	1.9	123	15	2.8	0.00
01/08/2022 01:30	1.2	123	27	2.0	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/08/2022 01:40	1.1	25	45	1.7	0.00
01/08/2022 01:50	1.3	26	11	1.6	0.00
01/08/2022 02:00	0.8	103	20	1.6	0.00
01/08/2022 02:10	0.5	47	23	1.0	0.00
01/08/2022 02:20	0.7	47	17	1.1	0.00
01/08/2022 02:30	1.1	92	22	1.6	0.00
01/08/2022 02:40	1.1	102	11	1.6	0.00
01/08/2022 02:50	0.7	82	56	1.2	0.00
01/08/2022 03:00	0.3	76	16	1.1	0.00
01/08/2022 03:10	1.3	81	24	1.8	0.00
01/08/2022 03:20	0.7	94	22	1.1	0.00
01/08/2022 03:30	1.0	137	34	1.7	0.00
01/08/2022 03:40	0.3	156	8	0.9	0.00
01/08/2022 03:50	1.7	169	14	3.3	0.00
01/08/2022 04:00	2.1	167	10	3.4	0.00
01/08/2022 04:10	0.5	98	35	0.9	0.00
01/08/2022 04:20	0.6	96	24	1.3	0.00
01/08/2022 04:30	0.5	58	21	0.9	0.00
01/08/2022 04:40	0.9	76	22	1.5	0.00
01/08/2022 04:50	1.6	111	12	2.3	0.00
01/08/2022 05:00	1.6	117	17	2.2	0.00
01/08/2022 05:10	1.3	95	14	1.7	0.00
01/08/2022 05:20	0.8	83	20	1.7	0.00
01/08/2022 05:30	1.2	81	13	1.6	0.00
01/08/2022 05:40	1.4	99	11	2.1	0.00
01/08/2022 05:50	1.8	94	10	2.3	0.00
01/08/2022 06:00	1.6	91	13	2.4	0.00
01/08/2022 06:10	1.1	92	13	1.6	0.00
01/08/2022 06:20	1.3	90	13	1.8	0.00
01/08/2022 06:30	1.3	94	10	1.8	0.00
01/08/2022 06:40	1.6	71	10	2.0	0.00
01/08/2022 06:50	1.3	89	9	1.7	0.00
01/08/2022 07:00	1.3	97	13	1.8	0.00
01/08/2022 07:10	1.0	131	39	1.6	0.00
01/08/2022 07:20	0.3	165	6	0.8	0.00
01/08/2022 07:30	1.3	96	11	2.0	0.00
01/08/2022 07:40	1.6	49	10	2.2	0.00
01/08/2022 07:50	1.4	52	12	1.9	0.00
01/08/2022 08:00	1.8	59	8	2.4	0.00
01/08/2022 08:10	1.9	65	10	2.4	0.00
01/08/2022 08:20	1.6	72	11	2.3	0.00
01/08/2022 08:30	1.5	72	12	2.1	0.00
01/08/2022 08:40	1.7	77	13	2.4	0.00
01/08/2022 08:50	1.9	79	16	2.7	0.00
01/08/2022 09:00	2.3	81	11	2.9	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/08/2022 09:10	2.2	81	14	2.8	0.00
01/08/2022 09:20	2.2	72	14	3.3	0.00
01/08/2022 09:30	2.0	88	15	2.6	0.00
01/08/2022 09:40	1.8	87	17	2.7	0.00
01/08/2022 09:50	2.0	80	14	2.8	0.00
01/08/2022 10:00	2.2	89	15	3.1	0.00
01/08/2022 10:10	2.0	83	15	2.8	0.00
01/08/2022 10:20	1.7	91	22	2.6	0.00
01/08/2022 10:30	1.7	85	18	2.7	0.00
01/08/2022 10:40	1.8	83	17	2.7	0.00
01/08/2022 10:50	2.3	84	22	3.2	0.00
01/08/2022 11:00	2.7	54	13	3.9	0.00
01/08/2022 11:10	3.6	62	10	4.6	0.00
01/08/2022 11:20	3.5	60	12	4.5	0.00
01/08/2022 11:30	3.7	55	13	4.9	0.00
01/08/2022 11:40	3.6	60	13	4.7	0.00
01/08/2022 11:50	3.4	62	11	4.7	0.00
01/08/2022 12:00	2.6	63	18	4.0	0.00
01/08/2022 12:10	2.2	86	19	3.2	0.00
01/08/2022 12:20	2.4	62	18	3.2	0.00
01/08/2022 12:30	2.5	74	17	3.2	0.00
01/08/2022 12:40	2.4	74	15	3.2	0.00
01/08/2022 12:50	3.0	63	11	3.9	0.00
01/08/2022 13:00	3.2	62	11	4.3	0.00
01/08/2022 13:10	2.8	62	13	3.9	0.00
01/08/2022 13:20	1.9	66	19	2.9	0.00
01/08/2022 13:30	2.3	78	19	3.2	0.00
01/08/2022 13:40	2.4	71	23	3.4	0.00
01/08/2022 13:50	2.5	57	18	4.8	0.00
01/08/2022 14:00	3.4	176	31	5.6	0.00
01/08/2022 14:10	3.5	325	20	5.4	0.00
01/08/2022 14:20	3.7	325	16	5.5	0.00
01/08/2022 14:30	3.4	321	17	4.8	0.00
01/08/2022 14:40	3.6	320	18	5.3	0.00
01/08/2022 14:50	3.6	325	19	5.5	0.00
01/08/2022 15:00	3.9	322	15	5.9	0.00
01/08/2022 15:10	3.9	323	21	6.3	0.00
01/08/2022 15:20	4.2	323	14	6.0	0.00
01/08/2022 15:30	3.8	322	15	5.6	0.00
01/08/2022 15:40	3.5	323	21	5.6	0.00
01/08/2022 15:50	3.6	317	18	5.9	0.00
01/08/2022 16:00	3.3	319	19	5.3	0.00
01/08/2022 16:10	3.3	308	19	5.1	0.00
01/08/2022 16:20	3.7	321	16	5.5	0.00
01/08/2022 16:30	3.8	326	14	5.6	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/08/2022 16:40	3.3	319	20	5.1	0.00
01/08/2022 16:50	3.1	312	18	4.3	0.00
01/08/2022 17:00	2.8	316	16	4.4	0.00
01/08/2022 17:10	3.1	333	19	4.0	0.00
01/08/2022 17:20	3.5	337	11	4.7	0.00
01/08/2022 17:30	3.3	340	13	4.6	0.00
01/08/2022 17:40	3.3	338	11	4.4	0.00
01/08/2022 17:50	2.9	335	13	4.0	0.00
01/08/2022 18:00	2.9	326	14	4.2	0.00
01/08/2022 18:10	2.7	330	16	3.9	0.00
01/08/2022 18:20	2.7	335	14	3.6	0.00
01/08/2022 18:30	2.5	336	12	3.6	0.00
01/08/2022 18:40	2.1	334	12	3.0	0.00
01/08/2022 18:50	2.8	338	13	3.7	0.00
01/08/2022 19:00	2.9	334	13	4.0	0.00
01/08/2022 19:10	2.5	339	12	3.6	0.00
01/08/2022 19:20	2.2	182	14	3.3	0.00
01/08/2022 19:30	1.5	176	17	2.1	0.00
01/08/2022 19:40	1.7	337	14	2.5	0.00
01/08/2022 19:50	2.1	333	12	3.1	0.00
01/08/2022 20:00	2.3	337	15	3.6	0.00
01/08/2022 20:10	2.4	334	14	3.6	0.00
01/08/2022 20:20	2.6	332	16	3.6	0.00
01/08/2022 20:30	3.1	336	17	4.6	0.00
01/08/2022 20:40	2.8	335	13	3.7	0.00
01/08/2022 20:50	2.9	324	15	4.0	0.00
01/08/2022 21:00	3.0	325	13	4.5	0.00
01/08/2022 21:10	2.3	320	21	3.4	0.00
01/08/2022 21:20	2.6	329	14	3.7	0.00
01/08/2022 21:30	2.5	331	14	4.2	0.00
01/08/2022 21:40	2.2	335	14	3.5	0.00
01/08/2022 21:50	2.0	330	16	2.8	0.00
01/08/2022 22:00	2.9	336	12	4.2	0.00
01/08/2022 22:10	2.8	330	14	3.9	0.00
01/08/2022 22:20	2.9	331	12	4.4	0.00
01/08/2022 22:30	2.9	327	13	4.4	0.00
01/08/2022 22:40	2.8	332	16	4.3	0.00
01/08/2022 22:50	2.9	326	16	4.7	0.00
01/08/2022 23:00	2.7	330	15	4.0	0.00
01/08/2022 23:10	3.0	334	14	4.9	0.00
01/08/2022 23:20	3.6	331	13	5.2	0.00
01/08/2022 23:30	3.8	327	11	5.6	0.00
01/08/2022 23:40	4.0	326	13	5.9	0.00
01/08/2022 23:50	3.3	333	16	5.2	0.00
02/08/2022 00:00	4.4	332	15	6.0	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/08/2022 00:10	4.1	328	13	6.0	0.00
02/08/2022 00:20	4.0	326	14	5.9	0.00
02/08/2022 00:30	4.1	325	12	5.9	0.00
02/08/2022 00:40	4.3	325	15	5.9	0.00
02/08/2022 00:50	4.0	324	13	6.4	0.00
02/08/2022 01:00	3.9	326	13	6.0	0.00
02/08/2022 01:10	4.0	327	14	5.6	0.00
02/08/2022 01:20	4.3	326	15	6.1	0.00
02/08/2022 01:30	4.0	326	16	5.8	0.00
02/08/2022 01:40	4.3	324	16	6.9	0.00
02/08/2022 01:50	4.3	325	13	7.0	0.00
02/08/2022 02:00	4.3	329	14	6.1	0.00
02/08/2022 02:10	4.2	328	16	6.9	0.00
02/08/2022 02:20	4.4	328	14	6.4	0.00
02/08/2022 02:30	4.7	323	15	6.7	0.00
02/08/2022 02:40	4.4	326	15	6.3	0.00
02/08/2022 02:50	5.1	324	15	7.2	0.00
02/08/2022 03:00	4.7	324	17	6.8	0.00
02/08/2022 03:10	4.9	325	16	7.6	0.00
02/08/2022 03:20	4.7	326	17	6.4	0.00
02/08/2022 03:30	5.0	323	17	7.2	0.00
02/08/2022 03:40	4.9	323	16	7.0	0.00
02/08/2022 03:50	5.0	327	16	6.8	0.00
02/08/2022 04:00	4.8	325	16	6.7	0.00
02/08/2022 04:10	5.2	325	16	7.8	0.00
02/08/2022 04:20	5.1	326	14	7.1	0.00
02/08/2022 04:30	3.9	273	36	8.0	0.90
02/08/2022 04:40	2.5	204	28	4.0	0.10
02/08/2022 04:50	2.2	209	37	4.4	0.00
02/08/2022 05:00	2.1	245	46	3.7	0.00
02/08/2022 05:10	1.4	240	49	3.4	0.00
02/08/2022 05:20	1.9	244	37	4.1	0.00
02/08/2022 05:30	1.1	209	59	2.8	0.00
02/08/2022 05:40	2.0	210	38	4.5	0.00
02/08/2022 05:50	2.4	212	33	5.0	0.10
02/08/2022 06:00	3.1	209	25	5.4	0.10
02/08/2022 06:10	2.8	209	26	4.6	0.00
02/08/2022 06:20	2.2	212	27	4.3	0.00
02/08/2022 06:30	2.7	199	26	4.3	0.00
02/08/2022 06:40	3.9	196	11	6.0	0.10
02/08/2022 06:50	3.9	194	14	5.6	0.00
02/08/2022 07:00	2.5	196	14	4.2	0.00
02/08/2022 07:10	1.7	204	26	2.8	0.00
02/08/2022 07:20	1.5	211	25	2.2	0.00
02/08/2022 07:30	1.6	206	23	2.7	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/08/2022 07:40	1.0	233	29	2.0	0.00
02/08/2022 07:50	0.7	233	34	1.3	0.00
02/08/2022 08:00	0.9	237	31	1.8	0.00
02/08/2022 08:10	0.8	235	36	1.9	0.00
02/08/2022 08:20	1.8	210	28	3.4	0.00
02/08/2022 08:30	1.8	216	30	3.2	0.00
02/08/2022 08:40	2.7	205	22	4.4	0.10
02/08/2022 08:50	3.0	203	20	5.2	0.00
02/08/2022 09:00	3.4	202	19	5.2	0.00
02/08/2022 09:10	3.4	192	16	5.6	0.00
02/08/2022 09:20	4.2	194	16	5.9	0.00
02/08/2022 09:30	3.8	197	16	6.0	0.00
02/08/2022 09:40	4.1	198	16	5.9	0.00
02/08/2022 09:50	3.7	200	15	5.4	0.00
02/08/2022 10:00	3.9	199	14	5.7	0.00
02/08/2022 10:10	3.0	205	21	4.8	0.00
02/08/2022 10:20	3.3	203	22	5.2	0.00
02/08/2022 10:30	4.8	191	14	6.8	0.00
02/08/2022 10:40	4.7	190	11	6.4	0.00
02/08/2022 10:50	4.3	189	15	6.3	0.00
02/08/2022 11:00	4.1	196	20	6.3	0.00
02/08/2022 11:10	3.6	202	21	5.3	0.00
02/08/2022 11:20	4.0	196	18	5.7	0.00
02/08/2022 11:30	3.9	195	16	5.6	0.00
02/08/2022 11:40	3.9	192	20	5.3	0.00
02/08/2022 11:50	3.3	209	25	5.2	0.00
02/08/2022 12:00	3.5	209	25	5.6	0.00
02/08/2022 12:10	3.5	211	21	5.6	0.00
02/08/2022 12:20	3.9	196	15	5.6	0.00
02/08/2022 12:30	3.2	201	17	5.2	0.00
02/08/2022 12:40	2.9	222	32	5.5	0.00
02/08/2022 12:50	2.5	224	32	4.3	0.00
02/08/2022 13:00	2.9	206	26	5.1	0.00
02/08/2022 13:10	2.6	227	37	4.7	0.00
02/08/2022 13:20	2.8	205	26	5.2	0.00
02/08/2022 13:30	3.2	212	34	5.4	0.00
02/08/2022 13:40	3.4	276	26	5.1	0.00
02/08/2022 13:50	3.3	277	25	5.3	0.00
02/08/2022 14:00	3.6	277	23	5.6	0.00
02/08/2022 14:10	3.1	275	22	5.2	0.00
02/08/2022 14:20	3.4	284	29	5.3	0.00
02/08/2022 14:30	3.4	284	26	5.6	0.00
02/08/2022 14:40	3.5	272	24	5.9	0.00
02/08/2022 14:50	3.6	272	24	5.9	0.00
02/08/2022 15:00	3.9	273	20	6.0	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/08/2022 15:10	3.8	275	21	5.9	0.00
02/08/2022 15:20	3.4	283	22	5.1	0.00
02/08/2022 15:30	3.6	280	23	5.8	0.00
02/08/2022 15:40	3.7	280	24	5.9	0.00
02/08/2022 15:50	3.4	277	27	6.0	0.00
02/08/2022 16:00	3.6	278	28	6.0	0.00
02/08/2022 16:10	3.5	275	23	5.3	0.00
02/08/2022 16:20	3.6	271	24	5.6	0.00
02/08/2022 16:30	3.8	273	21	5.5	0.00
02/08/2022 16:40	3.8	281	25	6.0	0.00
02/08/2022 16:50	3.5	281	21	5.7	0.00
02/08/2022 17:00	3.3	276	24	5.3	0.00
02/08/2022 17:10	3.4	271	20	5.6	0.00
02/08/2022 17:20	3.0	270	29	4.8	0.00
02/08/2022 17:30	3.0	273	25	4.5	0.00
02/08/2022 17:40	2.4	250	50	5.2	0.00
02/08/2022 17:50	2.3	264	42	4.4	0.00
02/08/2022 18:00	2.7	271	38	4.9	0.00
02/08/2022 18:10	2.7	262	41	5.0	0.00
02/08/2022 18:20	2.5	269	46	4.7	0.00
02/08/2022 18:30	1.9	281	51	4.1	0.00
02/08/2022 18:40	2.3	272	35	4.3	0.00
02/08/2022 18:50	1.6	254	54	3.2	0.00
02/08/2022 19:00	1.9	249	44	3.7	0.00
02/08/2022 19:10	1.7	238	52	4.3	0.00
02/08/2022 19:20	1.4	254	53	2.9	0.00
02/08/2022 19:30	1.3	224	66	3.3	0.00
02/08/2022 19:40	1.3	233	52	2.9	0.00
02/08/2022 19:50	2.0	257	38	3.3	0.00
02/08/2022 20:00	1.4	247	61	3.6	0.00
02/08/2022 20:10	1.4	263	43	2.6	0.00
02/08/2022 20:20	1.5	275	32	2.6	0.00
02/08/2022 20:30	1.4	260	47	2.6	0.00
02/08/2022 20:40	0.9	68	82	2.4	0.00
02/08/2022 20:50	1.1	232	66	2.1	0.00
02/08/2022 21:00	1.5	260	47	2.5	0.00
02/08/2022 21:10	1.2	198	57	2.7	0.00
02/08/2022 21:20	1.2	205	58	2.2	0.00
02/08/2022 21:30	1.2	192	65	2.1	0.00
02/08/2022 21:40	1.1	263	58	1.9	0.00
02/08/2022 21:50	1.3	205	45	2.7	0.00
02/08/2022 22:00	1.1	248	65	2.0	0.00
02/08/2022 22:10	1.1	189	69	2.1	0.00
02/08/2022 22:20	1.4	238	43	2.4	0.00
02/08/2022 22:30	1.3	244	62	2.5	0.00





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/08/2022 22:40	1.2	211	51	2.3	0.00
02/08/2022 22:50	1.2	201	70	2.6	0.00
02/08/2022 23:00	1.1	206	55	2.5	0.00
02/08/2022 23:10	1.3	229	59	2.8	0.00
02/08/2022 23:20	1.3	190	44	2.7	0.00
02/08/2022 23:30	1.4	214	60	3.4	0.00
02/08/2022 23:40	1.6	202	37	3.2	0.00
02/08/2022 23:50	1.3	222	65	2.6	0.00
03/08/2022 00:00	1.6	216	48	2.8	0.00
03/08/2022 00:10	1.7	209	42	3.3	0.00
03/08/2022 00:20	2.1	212	41	4.4	0.00
03/08/2022 00:30	2.1	221	39	4.3	0.00
03/08/2022 00:40	2.3	215	27	4.0	0.00
03/08/2022 00:50	2.5	208	28	4.2	0.00
03/08/2022 01:00	2.5	212	34	4.7	0.00
03/08/2022 01:10	2.7	208	25	4.0	0.00
03/08/2022 01:20	3.2	215	31	5.7	0.00
03/08/2022 01:30	3.0	211	30	5.5	0.00
03/08/2022 01:40	3.2	210	33	5.5	0.00
03/08/2022 01:50	2.8	205	35	5.5	0.00
03/08/2022 02:00	3.1	199	26	5.4	0.00
03/08/2022 02:10	3.1	208	26	5.2	0.00
03/08/2022 02:20	3.5	198	25	5.7	0.00
03/08/2022 02:30	3.5	201	26	6.0	0.00
03/08/2022 02:40	4.5	201	20	6.6	0.00
03/08/2022 02:50	4.6	203	17	6.7	0.00
03/08/2022 03:00	4.8	201	18	6.7	0.00
03/08/2022 03:10	5.1	204	15	7.2	0.00
03/08/2022 03:20	4.9	203	19	7.0	0.00
03/08/2022 03:30	4.6	200	18	7.4	0.00
03/08/2022 03:40	4.4	202	15	6.5	0.00
03/08/2022 03:50	4.3	202	17	6.0	0.00
03/08/2022 04:00	4.3	200	19	6.5	0.00
03/08/2022 04:10	4.2	201	19	6.7	0.00
03/08/2022 04:20	5.0	201	18	7.0	0.00
03/08/2022 04:30	4.8	203	16	6.9	0.00
03/08/2022 04:40	4.3	198	16	6.4	0.00
03/08/2022 04:50	4.8	198	14	7.5	0.00
03/08/2022 05:00	4.6	197	15	7.3	0.00
03/08/2022 05:10	4.6	197	14	6.4	0.00
03/08/2022 05:20	4.7	195	14	6.5	0.00
03/08/2022 05:30	4.7	202	12	6.5	0.00
03/08/2022 05:40	4.3	196	13	6.5	0.00
03/08/2022 05:50	3.7	193	14	5.2	0.00
03/08/2022 06:00	4.3	195	14	6.7	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/08/2022 06:10	4.6	190	14	6.4	0.00
03/08/2022 06:20	4.7	190	12	7.0	0.00
03/08/2022 06:30	4.7	188	15	6.5	0.00
03/08/2022 06:40	4.6	192	14	6.6	0.00
03/08/2022 06:50	4.8	194	15	7.6	0.00
03/08/2022 07:00	4.2	193	14	5.8	0.00
03/08/2022 07:10	4.2	195	16	6.4	0.00
03/08/2022 07:20	3.9	194	16	5.9	0.00
03/08/2022 07:30	4.4	192	14	7.2	0.00
03/08/2022 07:40	4.3	192	16	6.5	0.00
03/08/2022 07:50	4.8	191	11	6.5	0.00
03/08/2022 08:00	4.2	192	14	5.9	0.00
03/08/2022 08:10	4.6	189	13	6.4	0.00
03/08/2022 08:20	4.5	188	12	6.4	0.00
03/08/2022 08:30	4.7	185	14	6.7	0.00
03/08/2022 08:40	5.3	187	12	7.3	0.00
03/08/2022 08:50	5.6	185	15	8.0	0.00
03/08/2022 09:00	5.7	191	14	8.1	0.00
03/08/2022 09:10	6.1	189	13	8.2	0.00
03/08/2022 09:20	5.7	190	12	8.1	0.00
03/08/2022 09:30	5.2	192	14	7.4	0.00
03/08/2022 09:40	5.0	191	15	7.5	0.00
03/08/2022 09:50	5.5	196	14	7.8	0.00
03/08/2022 10:00	4.9	201	17	6.9	0.00
03/08/2022 10:10	4.6	203	19	7.2	0.00
03/08/2022 10:20	4.3	200	18	6.8	0.00
03/08/2022 10:30	4.1	206	19	6.1	0.00
03/08/2022 10:40	4.1	207	24	6.4	0.00
03/08/2022 10:50	4.2	197	16	6.4	0.00
03/08/2022 11:00	3.8	211	19	6.0	0.00
03/08/2022 11:10	4.4	197	17	7.2	0.00
03/08/2022 11:20	4.7	203	15	6.6	0.00
03/08/2022 11:30	4.4	198	19	7.3	0.00
03/08/2022 11:40	4.0	207	24	6.0	0.00
03/08/2022 11:50	4.4	202	20	6.7	0.00
03/08/2022 12:00	4.7	196	15	7.0	0.00
03/08/2022 12:10	3.7	203	26	6.0	0.00
03/08/2022 12:20	3.7	214	30	6.3	0.00
03/08/2022 12:30	4.2	206	20	6.7	0.00
03/08/2022 12:40	3.6	216	34	5.8	0.00
03/08/2022 12:50	4.0	214	34	6.6	0.00
03/08/2022 13:00	4.0	203	21	6.4	0.00
03/08/2022 13:10	3.8	207	28	6.0	0.00
03/08/2022 13:20	3.9	211	29	6.4	0.00
03/08/2022 13:30	3.9	207	28	6.8	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/08/2022 13:40	3.6	208	34	5.8	0.00
03/08/2022 13:50	3.1	214	41	6.1	0.00
03/08/2022 14:00	4.3	216	31	7.6	0.00
03/08/2022 14:10	4.2	213	34	6.9	0.00
03/08/2022 14:20	3.2	248	42	5.8	0.00
03/08/2022 14:30	2.8	249	39	5.1	0.00
03/08/2022 14:40	2.7	225	47	5.8	0.00
03/08/2022 14:50	3.1	238	47	6.0	0.00
03/08/2022 15:00	2.7	253	55	5.9	0.00
03/08/2022 15:10	3.7	255	35	7.1	0.00
03/08/2022 15:20	3.7	267	34	6.4	0.00
03/08/2022 15:30	3.6	268	35	6.3	0.00
03/08/2022 15:40	4.5	263	27	7.4	0.00
03/08/2022 15:50	4.1	265	29	7.6	0.00
03/08/2022 16:00	3.8	272	27	7.2	0.00
03/08/2022 16:10	3.1	271	37	6.2	0.00
03/08/2022 16:20	3.5	267	30	6.0	0.00
03/08/2022 16:30	3.0	249	48	5.6	0.00
03/08/2022 16:40	3.1	251	45	6.1	0.00
03/08/2022 16:50	3.7	271	36	6.8	0.00
03/08/2022 17:00	3.0	258	45	6.0	0.00
03/08/2022 17:10	3.5	270	37	5.8	0.00
03/08/2022 17:20	3.3	274	36	6.2	0.00
03/08/2022 17:30	2.8	255	54	6.2	0.00
03/08/2022 17:40	2.9	249	40	5.6	0.00
03/08/2022 17:50	2.9	263	44	5.9	0.00
03/08/2022 18:00	2.6	247	58	5.0	0.00
03/08/2022 18:10	2.6	266	44	5.2	0.00
03/08/2022 18:20	2.3	253	42	4.3	0.00
03/08/2022 18:30	2.3	246	53	4.4	0.00
03/08/2022 18:40	2.7	258	36	5.7	0.00
03/08/2022 18:50	2.2	243	49	4.4	0.00
03/08/2022 19:00	2.0	240	57	5.9	0.00
03/08/2022 19:10	2.2	251	57	4.8	0.00
03/08/2022 19:20	1.8	221	63	4.2	0.00
03/08/2022 19:30	1.9	248	53	3.8	0.00
03/08/2022 19:40	1.7	232	55	3.2	0.00
03/08/2022 19:50	1.7	235	63	4.2	0.00
03/08/2022 20:00	1.5	248	57	3.5	0.00
03/08/2022 20:10	1.7	241	70	3.5	0.00
03/08/2022 20:20	1.3	222	66	2.6	0.00
03/08/2022 20:30	1.3	197	57	2.3	0.00
03/08/2022 20:40	1.3	215	57	2.7	0.00
03/08/2022 20:50	1.3	225	71	2.4	0.00
03/08/2022 21:00	1.8	221	38	3.2	0.00



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/08/2022 21:10	1.5	218	56	2.8	0.00
03/08/2022 21:20	1.4	205	53	3.2	0.00
03/08/2022 21:30	1.5	198	50	3.8	0.00
03/08/2022 21:40	1.4	200	48	2.6	0.00
03/08/2022 21:50	1.6	251	48	3.2	0.00
03/08/2022 22:00	1.3	214	69	2.8	0.00
03/08/2022 22:10	1.5	205	65	3.4	0.00
03/08/2022 22:20	1.7	218	56	3.6	0.00
03/08/2022 22:30	1.8	193	43	3.9	0.00
03/08/2022 22:40	2.2	204	36	4.0	0.00
03/08/2022 22:50	2.2	208	39	4.2	0.00
03/08/2022 23:00	2.5	209	34	4.4	0.00
03/08/2022 23:10	2.3	216	39	4.0	0.00
03/08/2022 23:20	2.0	217	35	3.6	0.00
03/08/2022 23:30	2.4	207	36	3.6	0.00
03/08/2022 23:40	2.1	220	41	3.9	0.00
03/08/2022 23:50	1.7	204	63	3.8	0.00
04/08/2022 00:00	1.7	210	53	4.1	0.00
04/08/2022 00:10	1.6	223	56	3.2	0.00
04/08/2022 00:20	1.5	241	81	4.0	0.00
04/08/2022 00:30	1.8	225	50	4.0	0.00
04/08/2022 00:40	2.4	213	43	5.8	0.00
04/08/2022 00:50	2.7	216	35	5.0	0.00
04/08/2022 01:00	3.5	201	22	5.9	0.00
04/08/2022 01:10	3.0	207	31	5.2	0.00
04/08/2022 01:20	2.3	207	32	4.7	0.00
04/08/2022 01:30	2.6	206	36	4.5	0.00
04/08/2022 01:40	3.0	202	23	4.9	0.00
04/08/2022 01:50	2.4	205	35	4.4	0.00
04/08/2022 02:00	3.2	203	20	5.1	0.00
04/08/2022 02:10	3.4	202	19	5.6	0.00
04/08/2022 02:20	3.8	205	20	6.3	0.00
04/08/2022 02:30	3.8	203	16	6.3	0.00
04/08/2022 02:40	3.8	202	16	5.2	0.00
04/08/2022 02:50	3.4	202	17	5.9	0.00
04/08/2022 03:00	3.4	201	17	4.9	0.00
04/08/2022 03:10	3.4	206	16	4.8	0.00
04/08/2022 03:20	2.8	202	19	4.1	0.00
04/08/2022 03:30	3.4	201	14	4.8	0.00
04/08/2022 03:40	3.6	203	16	5.5	0.00
04/08/2022 03:50	3.5	199	15	5.1	0.00
04/08/2022 04:00	3.5	205	15	5.6	0.00
04/08/2022 04:10	3.4	204	16	5.1	0.00
04/08/2022 04:20	3.9	202	13	6.1	0.00
04/08/2022 04:30	4.1	201	12	5.8	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/08/2022 04:40	3.6	200	13	5.3	0.00
04/08/2022 04:50	3.9	198	13	5.8	0.00
04/08/2022 05:00	3.7	199	14	5.2	0.00
04/08/2022 05:10	3.9	194	14	5.9	0.00
04/08/2022 05:20	4.0	193	14	5.3	0.00
04/08/2022 05:30	3.8	194	13	5.5	0.00
04/08/2022 05:40	3.8	193	13	5.6	0.00
04/08/2022 05:50	3.8	196	13	5.4	0.00
04/08/2022 06:00	3.3	197	13	4.9	0.00
04/08/2022 06:10	3.2	195	11	4.8	0.00
04/08/2022 06:20	3.3	201	13	4.4	0.00
04/08/2022 06:30	3.0	202	15	4.0	0.00
04/08/2022 06:40	3.4	204	10	4.9	0.00
04/08/2022 06:50	3.4	202	10	4.7	0.00
04/08/2022 07:00	3.2	204	14	4.7	0.00
04/08/2022 07:10	3.4	203	11	4.7	0.00
04/08/2022 07:20	3.1	210	16	4.2	0.00
04/08/2022 07:30	3.3	208	18	5.1	0.00
04/08/2022 07:40	3.8	208	15	5.4	0.00
04/08/2022 07:50	3.8	205	14	5.4	0.00
04/08/2022 08:00	4.0	208	11	5.5	0.00
04/08/2022 08:10	3.6	207	14	5.1	0.00
04/08/2022 08:20	3.9	192	15	5.8	0.00
04/08/2022 08:30	3.9	197	13	5.7	0.00
04/08/2022 08:40	3.4	193	16	5.5	0.00
04/08/2022 08:50	3.1	193	16	4.5	0.00
04/08/2022 09:00	3.8	192	14	6.2	0.00
04/08/2022 09:10	3.2	182	19	5.4	0.00
04/08/2022 09:20	3.6	187	17	5.2	0.00
04/08/2022 09:30	3.8	185	17	6.0	0.00
04/08/2022 09:40	3.9	185	20	6.6	0.00
04/08/2022 09:50	4.5	187	14	6.9	0.00
04/08/2022 10:00	3.2	176	30	5.2	0.00
04/08/2022 10:10	3.5	187	24	5.2	0.00
04/08/2022 10:20	3.3	189	21	5.5	0.00
04/08/2022 10:30	3.1	188	23	5.6	0.00
04/08/2022 10:40	3.2	192	24	5.2	0.00
04/08/2022 10:50	2.5	223	32	4.2	0.00
04/08/2022 11:00	2.5	206	28	4.8	0.00
04/08/2022 11:10	2.4	210	28	4.7	0.00
04/08/2022 11:20	2.8	210	22	4.4	0.00
04/08/2022 11:30	2.8	196	22	4.8	0.00
04/08/2022 11:40	2.8	204	31	4.4	0.00
04/08/2022 11:50	2.4	209	29	4.8	0.00
04/08/2022 12:00	2.9	191	20	5.1	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/08/2022 12:10	2.4	202	25	4.8	0.00
04/08/2022 12:20	2.2	210	25	4.2	0.00
04/08/2022 12:30	2.6	204	24	4.1	0.00
04/08/2022 12:40	2.2	198	36	3.7	0.00
04/08/2022 12:50	2.0	225	61	4.2	0.00
04/08/2022 13:00	2.6	191	30	4.0	0.00
04/08/2022 13:10	2.5	209	21	4.4	0.00
04/08/2022 13:20	1.7	125	85	3.5	0.00
04/08/2022 13:30	2.2	40	40	3.5	0.00
04/08/2022 13:40	1.9	236	71	3.6	0.00
04/08/2022 13:50	2.2	84	35	3.6	0.00
04/08/2022 14:00	1.8	125	39	3.3	0.00
04/08/2022 14:10	1.8	58	24	3.0	0.00
04/08/2022 14:20	1.6	89	62	4.0	0.00
04/08/2022 14:30	1.4	122	47	2.4	0.00
04/08/2022 14:40	1.3	286	45	2.7	0.00
04/08/2022 14:50	1.8	263	48	3.7	0.00
04/08/2022 15:00	2.9	290	32	4.6	0.00
04/08/2022 15:10	3.2	285	22	4.9	0.00
04/08/2022 15:20	2.6	280	26	4.1	0.00
04/08/2022 15:30	2.7	291	23	4.3	0.00
04/08/2022 15:40	3.2	303	19	4.9	0.00
04/08/2022 15:50	3.0	298	24	5.0	0.00
04/08/2022 16:00	2.7	276	23	4.8	0.00
04/08/2022 16:10	2.8	283	22	4.3	0.00
04/08/2022 16:20	3.1	278	24	5.1	0.00
04/08/2022 16:30	3.0	280	21	4.4	0.00
04/08/2022 16:40	2.6	274	22	4.4	0.00
04/08/2022 16:50	3.0	274	22	4.7	0.00
04/08/2022 17:00	3.1	271	22	4.8	0.00
04/08/2022 17:10	2.5	280	21	3.8	0.00
04/08/2022 17:20	2.2	271	25	3.2	0.00
04/08/2022 17:30	2.5	277	19	4.0	0.00
04/08/2022 17:40	2.3	272	21	3.6	0.00
04/08/2022 17:50	2.1	270	20	3.2	0.00
04/08/2022 18:00	1.7	280	23	2.6	0.00
04/08/2022 18:10	1.8	283	14	2.5	0.00
04/08/2022 18:20	2.0	281	16	2.6	0.00
04/08/2022 18:30	1.6	280	26	2.6	0.00
04/08/2022 18:40	1.5	278	15	2.1	0.00
04/08/2022 18:50	1.5	230	28	2.8	0.00
04/08/2022 19:00	1.3	222	26	2.2	0.00
04/08/2022 19:10	1.5	224	27	2.4	0.00
04/08/2022 19:20	2.1	215	25	3.6	0.00
04/08/2022 19:30	2.1	216	23	3.4	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/08/2022 19:40	2.1	210	24	3.5	0.00
04/08/2022 19:50	2.0	223	27	3.4	0.00
04/08/2022 20:00	1.9	214	29	3.2	0.00
04/08/2022 20:10	2.0	215	27	3.2	0.00
04/08/2022 20:20	1.9	215	31	3.9	0.00
04/08/2022 20:30	2.0	221	26	3.2	0.00
04/08/2022 20:40	2.4	219	24	3.9	0.00
04/08/2022 20:50	2.4	214	30	4.0	0.00
04/08/2022 21:00	2.4	219	25	4.0	0.00
04/08/2022 21:10	2.7	221	25	4.4	0.00
04/08/2022 21:20	2.5	219	25	4.8	0.00
04/08/2022 21:30	2.6	213	24	4.1	0.00
04/08/2022 21:40	2.4	222	27	4.2	0.00
04/08/2022 21:50	2.0	223	28	3.5	0.00
04/08/2022 22:00	2.2	219	27	3.6	0.00
04/08/2022 22:10	3.0	218	24	4.9	0.00
04/08/2022 22:20	2.8	225	23	4.6	0.00
04/08/2022 22:30	2.7	219	23	4.6	0.00
04/08/2022 22:40	3.0	222	22	4.5	0.00
04/08/2022 22:50	3.3	218	18	5.2	0.00
04/08/2022 23:00	3.1	215	19	5.5	0.00
04/08/2022 23:10	3.7	215	19	4.9	0.00
04/08/2022 23:20	3.8	214	17	5.6	0.00
04/08/2022 23:30	4.2	216	16	6.4	0.00
04/08/2022 23:40	4.2	216	15	6.0	0.00
04/08/2022 23:50	3.9	213	15	5.6	0.00
05/08/2022 00:00	3.9	214	15	5.5	0.00
05/08/2022 00:10	4.0	209	13	5.4	0.00
05/08/2022 00:20	4.2	209	12	5.6	0.00
05/08/2022 00:30	3.9	210	13	5.3	0.00
05/08/2022 00:40	3.5	208	14	5.1	0.00
05/08/2022 00:50	3.7	212	14	5.5	0.00
05/08/2022 01:00	3.9	207	13	5.5	0.00
05/08/2022 01:10	4.3	203	11	6.1	0.00
05/08/2022 01:20	4.1	201	12	6.0	0.00
05/08/2022 01:30	4.4	200	11	6.0	0.00
05/08/2022 01:40	4.3	202	12	5.6	0.00
05/08/2022 01:50	4.4	201	12	5.6	0.00
05/08/2022 02:00	4.5	203	10	6.0	0.00
05/08/2022 02:10	4.6	200	10	6.1	0.00
05/08/2022 02:20	4.7	198	11	5.7	0.00
05/08/2022 02:30	4.6	200	9	6.1	0.00
05/08/2022 02:40	4.6	197	11	6.0	0.00
05/08/2022 02:50	4.3	198	12	5.7	0.00
05/08/2022 03:00	4.2	199	9	5.7	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/08/2022 03:10	4.0	200	11	5.3	0.00
05/08/2022 03:20	4.0	199	10	5.3	0.00
05/08/2022 03:30	3.7	196	10	5.2	0.00
05/08/2022 03:40	3.5	197	13	4.6	0.00
05/08/2022 03:50	3.3	194	13	4.2	0.00
05/08/2022 04:00	3.2	194	13	4.2	0.00
05/08/2022 04:10	2.9	194	15	4.3	0.00
05/08/2022 04:20	2.9	192	14	4.4	0.00
05/08/2022 04:30	2.6	195	15	4.0	0.00
05/08/2022 04:40	2.4	198	13	3.6	0.00
05/08/2022 04:50	2.3	189	15	3.6	0.00
05/08/2022 05:00	2.6	195	12	3.6	0.00
05/08/2022 05:10	2.8	197	12	3.9	0.00
05/08/2022 05:20	2.5	194	14	3.9	0.00
05/08/2022 05:30	2.7	199	14	4.1	0.00
05/08/2022 05:40	2.8	196	14	4.0	0.00
05/08/2022 05:50	2.6	194	16	3.9	0.00
05/08/2022 06:00	2.0	185	21	3.0	0.00
05/08/2022 06:10	2.4	191	16	3.8	0.00
05/08/2022 06:20	2.4	192	16	3.4	0.00
05/08/2022 06:30	2.9	194	15	3.9	0.00
05/08/2022 06:40	3.1	196	14	4.3	0.00
05/08/2022 06:50	3.3	196	18	4.8	0.00
05/08/2022 07:00	3.3	197	16	4.7	0.00
05/08/2022 07:10	3.0	193	15	4.4	0.00
05/08/2022 07:20	3.2	192	15	4.8	0.00
05/08/2022 07:30	2.9	188	16	4.1	0.00
05/08/2022 07:40	2.3	174	21	3.6	0.00
05/08/2022 07:50	2.0	166	23	3.6	0.00
05/08/2022 08:00	2.0	165	27	3.6	0.00
05/08/2022 08:10	2.3	161	20	3.7	0.00
05/08/2022 08:20	2.5	159	19	4.1	0.00
05/08/2022 08:30	2.3	145	25	3.5	0.00
05/08/2022 08:40	2.4	123	31	4.0	0.00
05/08/2022 08:50	2.3	138	29	3.8	0.00
05/08/2022 09:00	2.1	131	31	3.5	0.00
05/08/2022 09:10	2.4	120	29	3.7	0.00
05/08/2022 09:20	2.6	126	24	4.0	0.00
05/08/2022 09:30	2.6	118	20	4.0	0.00
05/08/2022 09:40	2.9	118	20	4.6	0.00
05/08/2022 09:50	2.5	100	21	3.7	0.00
05/08/2022 10:00	2.6	94	18	3.8	0.00
05/08/2022 10:10	2.6	79	17	3.6	0.00
05/08/2022 10:20	2.5	89	20	3.8	0.00
05/08/2022 10:30	2.7	79	18	4.0	0.00





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/08/2022 10:40	3.3	83	17	5.3	0.00
05/08/2022 10:50	4.5	83	13	6.1	0.00
05/08/2022 11:00	3.7	82	13	4.8	0.00
05/08/2022 11:10	3.5	79	17	4.8	0.00
05/08/2022 11:20	3.7	60	14	5.2	0.00
05/08/2022 11:30	4.0	54	13	5.3	0.00
05/08/2022 11:40	4.3	53	12	5.8	0.00
05/08/2022 11:50	4.2	51	13	5.6	0.00
05/08/2022 12:00	4.2	56	12	5.6	0.00
05/08/2022 12:10	4.2	51	12	6.0	0.00
05/08/2022 12:20	4.0	54	14	5.3	0.00
05/08/2022 12:30	4.1	56	14	5.5	0.00
05/08/2022 12:40	3.9	45	13	5.2	0.00
05/08/2022 12:50	3.9	44	11	5.0	0.00
05/08/2022 13:00	4.0	40	13	5.6	0.00
05/08/2022 13:10	3.9	43	13	5.2	0.00
05/08/2022 13:20	4.0	46	12	5.2	0.00
05/08/2022 13:30	3.8	45	15	5.4	0.00
05/08/2022 13:40	4.2	45	13	5.7	0.00
05/08/2022 13:50	4.1	38	13	5.7	0.00
05/08/2022 14:00	4.3	39	13	5.7	0.00
05/08/2022 14:10	4.1	39	14	5.7	0.00
05/08/2022 14:20	4.0	42	12	5.4	0.00
05/08/2022 14:30	3.7	42	14	4.9	0.00
05/08/2022 14:40	3.8	39	14	5.0	0.00
05/08/2022 14:50	3.9	43	12	5.2	0.00
05/08/2022 15:00	3.2	38	16	4.6	0.00
05/08/2022 15:10	3.4	42	12	4.4	0.00
05/08/2022 15:20	3.2	48	11	4.4	0.00
05/08/2022 15:30	3.4	45	14	4.3	0.00
05/08/2022 15:40	3.4	44	11	4.7	0.00
05/08/2022 15:50	3.3	46	12	4.6	0.00
05/08/2022 16:00	3.1	44	13	4.4	0.00
05/08/2022 16:10	3.5	52	11	4.4	0.00
05/08/2022 16:20	3.1	45	11	4.0	0.00
05/08/2022 16:30	2.7	49	13	3.6	0.00
05/08/2022 16:40	2.6	49	12	3.3	0.00
05/08/2022 16:50	2.7	46	12	3.8	0.00
05/08/2022 17:00	2.3	47	12	3.0	0.00
05/08/2022 17:10	1.9	46	14	2.7	0.00
05/08/2022 17:20	1.5	48	13	2.1	0.00
05/08/2022 17:30	1.5	42	12	2.2	0.00
05/08/2022 17:40	1.0	38	12	1.5	0.00
05/08/2022 17:50	0.9	343	12	1.7	0.00
05/08/2022 18:00	0.2	93	8	0.7	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/08/2022 18:10	1.1	304	30	2.2	0.00
05/08/2022 18:20	1.1	331	32	2.0	0.00
05/08/2022 18:30	1.5	318	17	2.2	0.00
05/08/2022 18:40	1.3	303	19	2.1	0.00
05/08/2022 18:50	1.5	239	34	2.3	0.00
05/08/2022 19:00	1.4	205	30	2.2	0.00
05/08/2022 19:10	2.0	210	21	3.2	0.00
05/08/2022 19:20	2.1	214	26	3.6	0.00
05/08/2022 19:30	1.7	208	33	3.0	0.00
05/08/2022 19:40	1.7	212	33	3.0	0.00
05/08/2022 19:50	2.0	207	22	3.5	0.00
05/08/2022 20:00	1.6	209	33	3.0	0.00
05/08/2022 20:10	1.8	214	31	3.1	0.00
05/08/2022 20:20	1.7	210	27	3.0	0.00
05/08/2022 20:30	1.9	208	28	3.6	0.00
05/08/2022 20:40	2.0	209	25	3.4	0.00
05/08/2022 20:50	2.5	214	26	4.0	0.00
05/08/2022 21:00	2.4	211	26	3.9	0.00
05/08/2022 21:10	2.4	212	28	4.3	0.00
05/08/2022 21:20	1.9	222	37	3.5	0.00
05/08/2022 21:30	2.3	209	29	3.6	0.00
05/08/2022 21:40	2.9	203	19	4.5	0.00
05/08/2022 21:50	3.3	205	19	4.8	0.00
05/08/2022 22:00	4.1	197	13	5.4	0.00
05/08/2022 22:10	3.9	200	15	5.2	0.00
05/08/2022 22:20	3.4	203	17	4.8	0.00
05/08/2022 22:30	2.8	206	19	4.5	0.00
05/08/2022 22:40	2.4	209	26	4.1	0.00
05/08/2022 22:50	2.6	210	21	4.3	0.00
05/08/2022 23:00	2.2	210	29	3.4	0.00
05/08/2022 23:10	2.5	207	23	4.0	0.00
05/08/2022 23:20	2.6	206	24	4.8	0.00
05/08/2022 23:30	3.0	208	22	4.6	0.00
05/08/2022 23:40	3.5	208	16	5.4	0.00
05/08/2022 23:50	2.9	206	18	4.5	0.00
06/08/2022 00:00	3.0	205	20	4.8	0.00
06/08/2022 00:10	3.2	204	18	4.6	0.00
06/08/2022 00:20	3.8	198	12	5.1	0.00
06/08/2022 00:30	3.4	204	22	5.0	0.00
06/08/2022 00:40	2.0	253	41	3.8	0.00
06/08/2022 00:50	1.9	279	32	3.2	0.00
06/08/2022 01:00	1.6	278	46	2.8	0.00
06/08/2022 01:10	1.3	308	62	2.7	0.00
06/08/2022 01:20	2.0	239	52	3.7	0.00
06/08/2022 01:30	1.5	229	60	3.2	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/08/2022 01:40	1.8	219	57	3.6	0.00
06/08/2022 01:50	2.5	211	30	4.4	0.00
06/08/2022 02:00	3.9	199	10	5.2	0.00
06/08/2022 02:10	3.6	201	10	4.9	0.00
06/08/2022 02:20	3.0	198	13	4.6	0.00
06/08/2022 02:30	2.8	191	17	4.0	0.00
06/08/2022 02:40	2.9	194	31	4.8	0.00
06/08/2022 02:50	2.7	173	21	4.2	0.00
06/08/2022 03:00	2.5	170	20	4.0	0.00
06/08/2022 03:10	2.9	162	18	4.4	0.00
06/08/2022 03:20	2.4	171	21	3.8	0.00
06/08/2022 03:30	2.1	168	21	2.9	0.00
06/08/2022 03:40	2.1	161	19	3.6	0.00
06/08/2022 03:50	2.5	147	13	3.2	0.00
06/08/2022 04:00	2.4	154	16	3.5	0.00
06/08/2022 04:10	2.8	156	13	4.0	0.00
06/08/2022 04:20	2.6	145	13	3.8	0.00
06/08/2022 04:30	2.1	153	13	3.0	0.00
06/08/2022 04:40	2.0	146	16	3.3	0.00
06/08/2022 04:50	2.6	156	14	3.8	0.00
06/08/2022 05:00	2.1	148	17	3.0	0.00
06/08/2022 05:10	2.1	166	19	3.2	0.00
06/08/2022 05:20	1.9	174	18	2.9	0.00
06/08/2022 05:30	2.3	161	25	3.4	0.00
06/08/2022 05:40	1.6	173	16	2.5	0.00
06/08/2022 05:50	2.1	182	20	3.6	0.00
06/08/2022 06:00	2.3	165	20	3.7	0.00
06/08/2022 06:10	2.5	146	25	5.2	0.00
06/08/2022 06:20	2.3	135	36	4.1	0.00
06/08/2022 06:30	2.6	139	26	4.5	0.00
06/08/2022 06:40	2.6	141	26	4.4	0.00
06/08/2022 06:50	3.4	112	23	6.0	0.00
06/08/2022 07:00	3.3	118	21	5.6	0.00
06/08/2022 07:10	3.6	118	20	6.4	0.00
06/08/2022 07:20	3.8	116	19	5.7	0.00
06/08/2022 07:30	3.1	116	21	5.1	0.00
06/08/2022 07:40	3.0	110	20	5.2	0.00
06/08/2022 07:50	3.5	117	17	5.2	0.00
06/08/2022 08:00	2.8	112	24	4.8	0.00
06/08/2022 08:10	3.3	117	20	5.2	0.00
06/08/2022 08:20	2.8	108	26	4.6	0.00
06/08/2022 08:30	2.7	118	26	5.0	0.00
06/08/2022 08:40	3.1	109	19	5.3	0.00
06/08/2022 08:50	2.5	118	22	4.0	0.00
06/08/2022 09:00	2.5	112	16	3.8	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/08/2022 09:10	2.2	120	26	3.6	0.00
06/08/2022 09:20	2.5	94	19	4.2	0.00
06/08/2022 09:30	3.8	88	15	5.6	0.00
06/08/2022 09:40	4.1	82	13	5.6	0.00
06/08/2022 09:50	4.3	77	16	5.9	0.00
06/08/2022 10:00	4.1	73	15	5.9	0.00
06/08/2022 10:10	4.4	59	12	5.9	0.00
06/08/2022 10:20	5.1	59	12	7.2	0.00
06/08/2022 10:30	5.1	59	11	6.5	0.00
06/08/2022 10:40	5.2	57	12	6.7	0.00
06/08/2022 10:50	4.9	54	13	6.8	0.00
06/08/2022 11:00	4.7	53	13	6.5	0.00
06/08/2022 11:10	4.0	51	14	5.6	0.00
06/08/2022 11:20	4.1	46	14	5.3	0.00
06/08/2022 11:30	3.9	57	13	5.6	0.00
06/08/2022 11:40	4.2	49	13	5.9	0.00
06/08/2022 11:50	5.0	58	11	6.7	0.00
06/08/2022 12:00	5.3	57	12	6.7	0.00
06/08/2022 12:10	4.9	53	14	6.2	0.00
06/08/2022 12:20	5.1	54	13	7.0	0.00
06/08/2022 12:30	4.6	49	14	6.8	0.00
06/08/2022 12:40	4.7	47	14	6.3	0.00
06/08/2022 12:50	4.6	46	13	6.4	0.00
06/08/2022 13:00	4.5	42	13	6.0	0.00
06/08/2022 13:10	4.7	44	11	6.2	0.00
06/08/2022 13:20	4.7	39	13	6.4	0.00
06/08/2022 13:30	4.6	36	14	6.1	0.00
06/08/2022 13:40	4.7	36	14	6.1	0.00
06/08/2022 13:50	4.4	32	15	6.1	0.00
06/08/2022 14:00	4.5	32	13	6.1	0.00
06/08/2022 14:10	4.5	34	12	5.9	0.00
06/08/2022 14:20	4.1	34	14	5.6	0.00
06/08/2022 14:30	4.3	43	12	6.0	0.00
06/08/2022 14:40	4.1	32	13	5.3	0.00
06/08/2022 14:50	4.2	37	12	5.6	0.00
06/08/2022 15:00	3.8	41	14	5.2	0.00
06/08/2022 15:10	4.0	40	15	5.6	0.00
06/08/2022 15:20	3.6	41	14	5.0	0.00
06/08/2022 15:30	3.6	40	11	5.2	0.00
06/08/2022 15:40	3.6	33	14	4.7	0.00
06/08/2022 15:50	3.4	42	13	4.8	0.00
06/08/2022 16:00	3.1	45	12	4.4	0.00
06/08/2022 16:10	3.7	44	10	4.8	0.00
06/08/2022 16:20	3.4	45	11	4.6	0.00
06/08/2022 16:30	3.0	38	14	4.4	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/08/2022 16:40	2.6	39	16	3.7	0.00
06/08/2022 16:50	2.8	45	13	3.8	0.00
06/08/2022 17:00	3.0	43	11	4.2	0.00
06/08/2022 17:10	2.2	38	15	3.0	0.00
06/08/2022 17:20	2.1	14	20	3.2	0.00
06/08/2022 17:30	2.2	340	10	3.2	0.00
06/08/2022 17:40	2.0	339	13	2.8	0.00
06/08/2022 17:50	1.7	334	13	2.4	0.00
06/08/2022 18:00	1.5	329	11	2.0	0.00
06/08/2022 18:10	1.8	320	14	2.8	0.00
06/08/2022 18:20	1.6	327	9	2.1	0.00
06/08/2022 18:30	1.6	322	10	2.4	0.00
06/08/2022 18:40	2.0	319	12	2.8	0.00
06/08/2022 18:50	1.5	317	14	2.0	0.00
06/08/2022 19:00	1.2	324	12	1.7	0.00
06/08/2022 19:10	1.4	325	10	1.8	0.00
06/08/2022 19:20	1.2	279	16	2.0	0.00
06/08/2022 19:30	1.2	282	20	1.8	0.00
06/08/2022 19:40	1.4	305	12	2.0	0.00
06/08/2022 19:50	1.1	299	12	1.7	0.00
06/08/2022 20:00	1.3	292	15	1.8	0.00
06/08/2022 20:10	1.2	288	17	1.6	0.00
06/08/2022 20:20	1.3	297	15	1.9	0.00
06/08/2022 20:30	1.2	282	17	1.7	0.00
06/08/2022 20:40	1.2	278	17	2.0	0.00
06/08/2022 20:50	1.2	262	18	1.7	0.00
06/08/2022 21:00	1.3	246	21	2.1	0.00
06/08/2022 21:10	1.0	239	18	1.6	0.00
06/08/2022 21:20	1.0	210	17	1.4	0.00
06/08/2022 21:30	0.6	211	20	1.1	0.00
06/08/2022 21:40	0.5	240	34	0.9	0.00
06/08/2022 21:50	0.5	253	11	0.9	0.00
06/08/2022 22:00	0.5	331	13	1.0	0.00
06/08/2022 22:10	0.1	294	9	0.5	0.00
06/08/2022 22:20	0.4	9	4	0.9	0.00
06/08/2022 22:30	0.5	25	6	0.9	0.00
06/08/2022 22:40	0.9	232	44	1.6	0.00
06/08/2022 22:50	1.8	208	19	2.7	0.00
06/08/2022 23:00	2.3	209	18	3.2	0.00
06/08/2022 23:10	2.6	203	13	3.7	0.00
06/08/2022 23:20	2.9	205	11	3.8	0.00
06/08/2022 23:30	3.1	204	10	4.0	0.00
06/08/2022 23:40	2.8	210	12	3.9	0.00
06/08/2022 23:50	2.5	211	15	3.6	0.00
07/08/2022 00:00	2.4	210	15	3.3	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/08/2022 00:10	2.3	197	15	3.6	0.00
07/08/2022 00:20	3.5	178	12	5.3	0.00
07/08/2022 00:30	4.8	184	10	6.4	0.00
07/08/2022 00:40	4.0	188	12	5.6	0.00
07/08/2022 00:50	3.7	194	11	5.0	0.00
07/08/2022 01:00	3.5	197	11	4.5	0.00
07/08/2022 01:10	3.5	196	12	4.8	0.00
07/08/2022 01:20	3.3	196	11	4.5	0.00
07/08/2022 01:30	3.3	187	13	4.6	0.00
07/08/2022 01:40	3.5	189	13	4.8	0.00
07/08/2022 01:50	3.6	196	12	5.1	0.00
07/08/2022 02:00	3.6	190	13	4.9	0.00
07/08/2022 02:10	4.0	182	11	5.3	0.00
07/08/2022 02:20	3.9	186	13	5.2	0.00
07/08/2022 02:30	3.7	197	11	5.4	0.00
07/08/2022 02:40	4.0	182	13	5.8	0.00
07/08/2022 02:50	3.0	180	16	4.4	0.00
07/08/2022 03:00	3.8	181	14	5.7	0.00
07/08/2022 03:10	3.1	195	12	4.7	0.00
07/08/2022 03:20	3.3	201	10	4.8	0.00
07/08/2022 03:30	3.3	196	11	4.3	0.00
07/08/2022 03:40	2.7	192	16	3.7	0.00
07/08/2022 03:50	1.4	272	74	2.6	0.00
07/08/2022 04:00	1.5	274	43	2.4	0.00
07/08/2022 04:10	1.3	282	50	2.2	0.00
07/08/2022 04:20	1.6	224	51	3.3	0.00
07/08/2022 04:30	1.5	194	37	3.2	0.00
07/08/2022 04:40	2.6	187	15	4.0	0.00
07/08/2022 04:50	2.7	179	14	3.8	0.00
07/08/2022 05:00	2.6	179	17	4.4	0.00
07/08/2022 05:10	4.0	185	12	5.7	0.00
07/08/2022 05:20	4.6	191	10	5.9	0.00
07/08/2022 05:30	4.1	191	12	5.2	0.00
07/08/2022 05:40	3.1	192	16	4.6	0.00
07/08/2022 05:50	2.6	189	15	4.0	0.00
07/08/2022 06:00	3.3	195	13	4.5	0.00
07/08/2022 06:10	3.1	194	13	4.2	0.00
07/08/2022 06:20	3.8	195	12	5.1	0.00
07/08/2022 06:30	4.1	196	10	5.6	0.00
07/08/2022 06:40	4.1	197	10	5.8	0.00
07/08/2022 06:50	4.3	194	11	5.7	0.00
07/08/2022 07:00	4.0	193	11	5.6	0.00
07/08/2022 07:10	3.8	194	13	5.5	0.00
07/08/2022 07:20	3.5	192	14	4.7	0.00
07/08/2022 07:30	3.6	194	15	5.2	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/08/2022 07:40	4.0	192	12	5.7	0.00
07/08/2022 07:50	3.9	187	17	5.4	0.00
07/08/2022 08:00	3.6	181	17	5.1	0.00
07/08/2022 08:10	3.1	175	17	4.8	0.00
07/08/2022 08:20	3.6	166	15	4.9	0.00
07/08/2022 08:30	2.9	153	19	4.4	0.00
07/08/2022 08:40	2.8	142	22	4.7	0.00
07/08/2022 08:50	2.5	140	22	4.4	0.00
07/08/2022 09:00	2.7	134	18	4.4	0.00
07/08/2022 09:10	3.0	126	24	4.4	0.00
07/08/2022 09:20	2.3	130	29	3.6	0.00
07/08/2022 09:30	3.1	114	17	4.7	0.00
07/08/2022 09:40	3.5	112	18	5.2	0.00
07/08/2022 09:50	3.2	117	20	5.4	0.00
07/08/2022 10:00	3.4	110	22	5.1	0.00
07/08/2022 10:10	3.1	113	22	4.6	0.00
07/08/2022 10:20	3.3	91	16	4.9	0.00
07/08/2022 10:30	3.8	81	14	5.8	0.00
07/08/2022 10:40	3.9	85	11	5.2	0.00
07/08/2022 10:50	3.7	86	14	5.0	0.00
07/08/2022 11:00	3.7	81	13	5.0	0.00
07/08/2022 11:10	3.5	82	15	5.2	0.00
07/08/2022 11:20	3.8	75	14	4.9	0.00
07/08/2022 11:30	3.8	73	14	5.2	0.00
07/08/2022 11:40	3.7	60	14	5.6	0.00
07/08/2022 11:50	3.7	59	14	4.9	0.00
07/08/2022 12:00	4.1	59	10	5.2	0.00
07/08/2022 12:10	4.0	60	11	5.2	0.00
07/08/2022 12:20	3.9	61	11	5.1	0.00
07/08/2022 12:30	3.9	59	13	5.2	0.00
07/08/2022 12:40	3.8	50	14	5.0	0.00
07/08/2022 12:50	3.7	50	13	5.0	0.00
07/08/2022 13:00	3.8	52	16	5.0	0.00
07/08/2022 13:10	3.9	45	13	5.3	0.00
07/08/2022 13:20	3.8	42	13	5.3	0.00
07/08/2022 13:30	3.8	42	13	5.1	0.00
07/08/2022 13:40	3.7	44	13	5.0	0.00
07/08/2022 13:50	3.5	45	15	4.8	0.00
07/08/2022 14:00	3.6	45	11	4.8	0.00
07/08/2022 14:10	3.7	45	12	5.1	0.00
07/08/2022 14:20	3.4	46	12	4.7	0.00
07/08/2022 14:30	3.7	43	12	5.0	0.00
07/08/2022 14:40	3.5	44	11	4.9	0.00
07/08/2022 14:50	3.6	50	11	4.9	0.00
07/08/2022 15:00	3.8	47	11	5.2	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/08/2022 15:10	3.4	45	11	4.8	0.00
07/08/2022 15:20	3.3	53	13	4.3	0.00
07/08/2022 15:30	3.1	48	11	4.4	0.00
07/08/2022 15:40	2.8	54	14	3.6	0.00
07/08/2022 15:50	3.0	53	12	4.0	0.00
07/08/2022 16:00	3.0	48	14	4.1	0.00
07/08/2022 16:10	2.9	50	11	4.0	0.00
07/08/2022 16:20	2.7	50	11	3.6	0.00
07/08/2022 16:30	2.3	48	12	3.2	0.00
07/08/2022 16:40	2.3	55	12	3.5	0.00
07/08/2022 16:50	2.2	51	12	3.2	0.00
07/08/2022 17:00	2.0	50	12	2.8	0.00
07/08/2022 17:10	2.2	171	18	3.6	0.00
07/08/2022 17:20	1.8	328	13	2.6	0.00
07/08/2022 17:30	2.0	313	15	2.9	0.00
07/08/2022 17:40	2.0	311	17	2.8	0.00
07/08/2022 17:50	2.2	336	12	2.9	0.00
07/08/2022 18:00	1.0	174	20	1.6	0.00
07/08/2022 18:10	1.2	319	23	2.5	0.00
07/08/2022 18:20	1.0	301	21	1.5	0.00
07/08/2022 18:30	1.4	291	14	2.0	0.00
07/08/2022 18:40	1.5	287	22	2.2	0.00
07/08/2022 18:50	1.4	277	16	1.9	0.00
07/08/2022 19:00	1.3	260	18	1.7	0.00
07/08/2022 19:10	1.4	265	19	2.0	0.00
07/08/2022 19:20	1.3	285	20	2.6	0.00
07/08/2022 19:30	1.5	271	20	2.2	0.00
07/08/2022 19:40	1.8	269	15	2.6	0.00
07/08/2022 19:50	1.7	279	15	2.3	0.00
07/08/2022 20:00	1.5	286	20	2.2	0.00
07/08/2022 20:10	1.7	267	24	2.8	0.00
07/08/2022 20:20	1.4	231	38	2.2	0.00
07/08/2022 20:30	1.6	232	25	2.4	0.00
07/08/2022 20:40	1.3	194	20	2.0	0.00
07/08/2022 20:50	1.6	195	22	2.4	0.00
07/08/2022 21:00	1.4	201	28	2.3	0.00
07/08/2022 21:10	0.9	211	53	1.8	0.00
07/08/2022 21:20	1.3	198	38	2.2	0.00
07/08/2022 21:30	1.1	203	41	1.9	0.00
07/08/2022 21:40	0.9	201	54	1.7	0.00
07/08/2022 21:50	1.1	194	42	2.0	0.00
07/08/2022 22:00	1.1	193	59	1.9	0.00
07/08/2022 22:10	1.1	201	39	1.9	0.00
07/08/2022 22:20	1.2	192	26	2.0	0.00
07/08/2022 22:30	1.1	201	30	1.6	0.00





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/08/2022 22:40	1.4	196	25	2.4	0.00
07/08/2022 22:50	1.4	198	29	2.4	0.00
07/08/2022 23:00	1.5	197	25	2.5	0.00
07/08/2022 23:10	1.3	203	39	2.4	0.00
07/08/2022 23:20	1.3	200	34	2.3	0.00
07/08/2022 23:30	1.1	226	52	2.3	0.00
07/08/2022 23:40	1.1	198	47	2.2	0.00
07/08/2022 23:50	1.2	219	51	2.5	0.00
08/08/2022 00:00	1.3	244	41	2.4	0.00
08/08/2022 00:10	1.4	246	38	2.7	0.00
08/08/2022 00:20	1.3	241	48	2.8	0.00
08/08/2022 00:30	1.2	233	43	2.4	0.00
08/08/2022 00:40	0.8	204	51	1.8	0.00
08/08/2022 00:50	0.7	175	39	1.2	0.00
08/08/2022 01:00	1.2	198	43	2.4	0.00
08/08/2022 01:10	1.8	212	41	3.6	0.00
08/08/2022 01:20	1.5	235	41	2.9	0.00
08/08/2022 01:30	1.0	235	67	1.9	0.00
08/08/2022 01:40	1.2	216	55	2.1	0.00
08/08/2022 01:50	0.9	213	78	2.0	0.00
08/08/2022 02:00	1.2	233	60	2.5	0.00
08/08/2022 02:10	1.9	231	41	3.4	0.00
08/08/2022 02:20	1.6	244	39	3.0	0.00
08/08/2022 02:30	1.7	261	38	3.2	0.00
08/08/2022 02:40	1.1	263	39	2.4	0.00
08/08/2022 02:50	1.2	273	42	2.8	0.00
08/08/2022 03:00	1.4	250	42	2.6	0.00
08/08/2022 03:10	1.5	259	46	2.5	0.00
08/08/2022 03:20	1.6	264	34	3.1	0.00
08/08/2022 03:30	1.5	246	58	3.0	0.00
08/08/2022 03:40	1.8	216	51	3.2	0.00
08/08/2022 03:50	1.9	207	41	3.7	0.00
08/08/2022 04:00	1.6	201	52	3.0	0.00
08/08/2022 04:10	1.5	250	56	3.4	0.00
08/08/2022 04:20	1.6	265	33	2.8	0.00
08/08/2022 04:30	1.1	283	50	2.3	0.00
08/08/2022 04:40	0.8	283	63	1.6	0.00
08/08/2022 04:50	0.8	256	68	1.5	0.00
08/08/2022 05:00	1.6	256	36	3.0	0.00
08/08/2022 05:10	1.1	272	38	2.0	0.00
08/08/2022 05:20	1.0	246	71	1.8	0.00
08/08/2022 05:30	1.0	256	54	1.6	0.00
08/08/2022 05:40	1.0	279	43	2.4	0.00
08/08/2022 05:50	0.7	260	49	1.5	0.00
08/08/2022 06:00	0.9	237	64	2.0	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/08/2022 06:10	1.2	208	38	2.3	0.00
08/08/2022 06:20	1.3	223	27	2.2	0.00
08/08/2022 06:30	1.6	239	32	2.9	0.00
08/08/2022 06:40	1.5	244	39	3.1	0.00
08/08/2022 06:50	1.4	283	31	2.1	0.00
08/08/2022 07:00	1.4	162	27	1.8	0.00
08/08/2022 07:10	1.5	290	17	2.3	0.00
08/08/2022 07:20	1.3	304	18	1.9	0.00
08/08/2022 07:30	0.9	175	30	1.6	0.00
08/08/2022 07:40	1.3	15	13	1.7	0.00
08/08/2022 07:50	1.2	291	43	2.0	0.00
08/08/2022 08:00	1.3	98	37	2.0	0.00
08/08/2022 08:10	1.3	190	47	2.1	0.00
08/08/2022 08:20	1.3	221	53	2.8	0.00
08/08/2022 08:30	1.6	187	29	2.8	0.00
08/08/2022 08:40	2.2	170	24	3.4	0.00
08/08/2022 08:50	1.3	153	40	2.3	0.00
08/08/2022 09:00	1.7	123	31	2.8	0.00
08/08/2022 09:10	2.1	141	28	3.2	0.00
08/08/2022 09:20	2.4	155	25	3.6	0.00
08/08/2022 09:30	2.5	154	18	3.8	0.00
08/08/2022 09:40	2.1	139	30	3.7	0.00
08/08/2022 09:50	2.6	151	26	4.4	0.00
08/08/2022 10:00	2.1	133	30	3.5	0.00
08/08/2022 10:10	2.0	127	27	3.3	0.00
08/08/2022 10:20	1.8	101	20	2.7	0.00
08/08/2022 10:30	1.8	79	22	2.6	0.00
08/08/2022 10:40	1.9	53	19	2.8	0.00
08/08/2022 10:50	2.0	45	19	2.8	0.00
08/08/2022 11:00	1.7	39	30	2.5	0.00
08/08/2022 11:10	1.6	83	28	2.4	0.00
08/08/2022 11:20	1.9	54	21	2.6	0.00
08/08/2022 11:30	2.3	56	19	2.9	0.00
08/08/2022 11:40	1.7	68	22	2.8	0.00
08/08/2022 11:50	1.6	64	29	2.5	0.00
08/08/2022 12:00	1.6	52	27	2.7	0.00
08/08/2022 12:10	2.3	58	14	3.2	0.00
08/08/2022 12:20	2.1	70	21	3.2	0.00
08/08/2022 12:30	2.4	59	17	3.2	0.00
08/08/2022 12:40	3.0	62	17	4.0	0.00
08/08/2022 12:50	3.0	65	12	4.0	0.00
08/08/2022 13:00	3.1	53	14	4.0	0.00
08/08/2022 13:10	3.1	59	14	4.1	0.00
08/08/2022 13:20	3.0	63	14	4.0	0.00
08/08/2022 13:30	3.4	61	13	4.4	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/08/2022 13:40	3.0	60	15	4.1	0.00
08/08/2022 13:50	2.9	65	15	3.7	0.00
08/08/2022 14:00	2.8	70	15	3.6	0.00
08/08/2022 14:10	2.9	61	13	3.9	0.00
08/08/2022 14:20	3.0	64	14	4.4	0.00
08/08/2022 14:30	2.2	226	51	3.9	0.00
08/08/2022 14:40	2.3	306	28	3.6	0.00
08/08/2022 14:50	2.9	323	24	4.8	0.00
08/08/2022 15:00	3.0	307	22	4.5	0.00
08/08/2022 15:10	3.2	324	16	4.4	0.00
08/08/2022 15:20	3.4	327	14	5.4	0.00
08/08/2022 15:30	3.3	330	17	4.8	0.00
08/08/2022 15:40	2.8	325	20	4.7	0.00
08/08/2022 15:50	2.9	319	16	4.4	0.00
08/08/2022 16:00	2.7	307	19	4.0	0.00
08/08/2022 16:10	3.0	301	19	4.6	0.00
08/08/2022 16:20	2.9	293	22	4.8	0.00
08/08/2022 16:30	2.9	302	24	4.8	0.00
08/08/2022 16:40	2.6	294	26	4.0	0.00
08/08/2022 16:50	2.3	284	27	3.7	0.00
08/08/2022 17:00	2.4	276	19	3.9	0.00
08/08/2022 17:10	2.5	272	23	3.8	0.00
08/08/2022 17:20	2.8	275	24	4.2	0.00
08/08/2022 17:30	2.6	305	16	4.3	0.00
08/08/2022 17:40	2.3	299	22	3.6	0.00
08/08/2022 17:50	2.0	293	25	3.2	0.00
08/08/2022 18:00	1.9	287	22	3.2	0.00
08/08/2022 18:10	2.1	283	18	3.6	0.00
08/08/2022 18:20	1.9	260	23	3.0	0.00
08/08/2022 18:30	1.7	272	25	2.6	0.00
08/08/2022 18:40	1.7	272	22	2.8	0.00
08/08/2022 18:50	2.0	267	25	3.1	0.00
08/08/2022 19:00	2.0	266	31	3.3	0.00
08/08/2022 19:10	1.5	275	39	2.9	0.00
08/08/2022 19:20	1.5	258	47	3.1	0.00
08/08/2022 19:30	1.6	258	51	2.9	0.00
08/08/2022 19:40	1.9	252	40	3.5	0.00
08/08/2022 19:50	1.8	266	38	3.1	0.00
08/08/2022 20:00	1.5	257	30	2.8	0.00
08/08/2022 20:10	2.0	263	34	3.7	0.00
08/08/2022 20:20	1.8	255	45	3.4	0.00
08/08/2022 20:30	1.7	275	32	2.9	0.00
08/08/2022 20:40	1.9	260	41	4.0	0.00
08/08/2022 20:50	1.7	242	49	3.3	0.00
08/08/2022 21:00	1.5	220	43	2.7	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/08/2022 21:10	1.6	218	52	3.0	0.00
08/08/2022 21:20	1.6	256	41	3.0	0.00
08/08/2022 21:30	2.3	272	24	3.8	0.00
08/08/2022 21:40	1.3	233	67	2.6	0.00
08/08/2022 21:50	1.4	269	48	3.6	0.00
08/08/2022 22:00	1.6	278	34	2.8	0.00
08/08/2022 22:10	1.4	289	42	2.6	0.00
08/08/2022 22:20	0.7	188	84	1.4	0.00
08/08/2022 22:30	1.1	283	39	2.6	0.00
08/08/2022 22:40	1.1	208	63	2.2	0.00
08/08/2022 22:50	1.2	187	63	2.3	0.00
08/08/2022 23:00	1.0	192	50	1.9	0.00
08/08/2022 23:10	1.2	195	47	2.6	0.00
08/08/2022 23:20	1.0	194	62	2.2	0.00
08/08/2022 23:30	1.2	242	54	2.3	0.00
08/08/2022 23:40	1.4	210	37	2.8	0.00
08/08/2022 23:50	1.5	213	37	2.7	0.00
09/08/2022 00:00	1.5	219	54	2.7	0.00
09/08/2022 00:10	1.9	214	32	3.2	0.00
09/08/2022 00:20	2.1	206	36	4.0	0.00
09/08/2022 00:30	2.6	209	25	4.0	0.00
09/08/2022 00:40	2.9	204	22	4.7	0.00
09/08/2022 00:50	3.2	204	18	4.5	0.00
09/08/2022 01:00	2.9	205	18	4.2	0.00
09/08/2022 01:10	3.0	208	20	4.4	0.00
09/08/2022 01:20	2.5	219	27	4.4	0.00
09/08/2022 01:30	2.1	212	36	3.4	0.00
09/08/2022 01:40	1.7	232	38	3.2	0.00
09/08/2022 01:50	1.3	268	37	2.0	0.00
09/08/2022 02:00	2.0	274	16	3.0	0.00
09/08/2022 02:10	1.9	280	12	2.8	0.00
09/08/2022 02:20	1.4	272	33	2.2	0.00
09/08/2022 02:30	1.7	224	30	3.6	0.00
09/08/2022 02:40	2.1	202	33	4.0	0.00
09/08/2022 02:50	2.4	216	30	4.0	0.00
09/08/2022 03:00	3.1	204	20	5.2	0.00
09/08/2022 03:10	3.9	202	15	5.4	0.00
09/08/2022 03:20	3.6	202	13	5.4	0.00
09/08/2022 03:30	4.0	202	11	5.6	0.00
09/08/2022 03:40	4.1	201	11	5.1	0.00
09/08/2022 03:50	4.2	201	13	6.0	0.00
09/08/2022 04:00	4.7	199	14	7.2	0.00
09/08/2022 04:10	4.6	201	13	6.4	0.00
09/08/2022 04:20	4.2	201	13	6.5	0.00
09/08/2022 04:30	3.9	201	14	6.0	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/08/2022 04:40	3.9	201	13	5.7	0.00
09/08/2022 04:50	3.9	202	15	5.8	0.00
09/08/2022 05:00	4.2	200	11	5.6	0.00
09/08/2022 05:10	4.4	203	12	5.9	0.00
09/08/2022 05:20	4.2	202	14	5.9	0.00
09/08/2022 05:30	4.0	199	13	5.4	0.00
09/08/2022 05:40	4.1	201	13	5.6	0.00
09/08/2022 05:50	3.9	194	12	5.6	0.00
09/08/2022 06:00	3.6	198	13	5.3	0.00
09/08/2022 06:10	3.2	197	14	4.3	0.00
09/08/2022 06:20	3.4	204	14	5.0	0.00
09/08/2022 06:30	3.4	199	12	5.2	0.00
09/08/2022 06:40	3.6	201	12	4.9	0.00
09/08/2022 06:50	3.3	201	15	5.1	0.00
09/08/2022 07:00	3.5	199	14	5.2	0.00
09/08/2022 07:10	3.5	197	15	4.4	0.00
09/08/2022 07:20	3.6	202	14	4.7	0.00
09/08/2022 07:30	3.9	203	13	5.3	0.00
09/08/2022 07:40	4.0	199	14	5.3	0.00
09/08/2022 07:50	4.2	205	13	6.0	0.00
09/08/2022 08:00	3.9	201	15	6.0	0.00
09/08/2022 08:10	4.7	193	12	6.6	0.00
09/08/2022 08:20	5.0	192	12	6.8	0.00
09/08/2022 08:30	5.0	196	12	6.9	0.00
09/08/2022 08:40	4.9	192	13	6.9	0.00
09/08/2022 08:50	4.1	191	15	6.0	0.00
09/08/2022 09:00	4.1	193	14	6.4	0.00
09/08/2022 09:10	4.0	192	12	5.6	0.00
09/08/2022 09:20	4.3	190	14	7.9	0.00
09/08/2022 09:30	3.8	187	15	6.1	0.00
09/08/2022 09:40	4.4	194	13	6.4	0.00
09/08/2022 09:50	4.5	196	12	5.9	0.00
09/08/2022 10:00	3.9	195	11	5.4	0.00
09/08/2022 10:10	3.8	196	13	5.7	0.00
09/08/2022 10:20	4.1	193	14	6.4	0.00
09/08/2022 10:30	3.4	192	16	5.6	0.00
09/08/2022 10:40	3.1	186	22	4.7	0.00
09/08/2022 10:50	3.4	195	13	5.2	0.00
09/08/2022 11:00	3.0	193	16	4.8	0.00
09/08/2022 11:10	3.0	191	18	4.6	0.00
09/08/2022 11:20	4.0	199	13	6.1	0.00
09/08/2022 11:30	3.5	187	20	5.5	0.00
09/08/2022 11:40	4.1	196	13	5.6	0.00
09/08/2022 11:50	4.0	193	14	5.6	0.00
09/08/2022 12:00	3.4	196	14	4.8	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/08/2022 12:10	3.7	194	13	5.4	0.00
09/08/2022 12:20	3.6	190	13	5.6	0.00
09/08/2022 12:30	4.0	193	15	6.0	0.00
09/08/2022 12:40	3.5	196	13	5.0	0.00
09/08/2022 12:50	3.9	191	13	5.8	0.00
09/08/2022 13:00	3.4	193	13	5.2	0.00
09/08/2022 13:10	3.6	196	11	5.0	0.00
09/08/2022 13:20	3.7	193	13	5.1	0.00
09/08/2022 13:30	3.8	194	13	5.3	0.00
09/08/2022 13:40	3.5	192	14	5.0	0.00
09/08/2022 13:50	3.6	198	11	5.1	0.00
09/08/2022 14:00	3.6	197	14	5.1	0.00
09/08/2022 14:10	3.8	198	11	5.2	0.00
09/08/2022 14:20	3.5	195	14	5.2	0.00
09/08/2022 14:30	3.7	195	14	5.3	0.00
09/08/2022 14:40	3.6	197	12	5.5	0.00
09/08/2022 14:50	3.3	192	15	5.2	0.00
09/08/2022 15:00	3.5	193	16	5.3	0.00
09/08/2022 15:10	3.8	193	16	6.0	0.00
09/08/2022 15:20	3.8	192	13	5.5	0.00
09/08/2022 15:30	3.9	198	15	6.2	0.00
09/08/2022 15:40	4.3	200	11	6.2	0.00
09/08/2022 15:50	4.4	198	13	6.8	0.00
09/08/2022 16:00	3.8	194	15	5.6	0.00
09/08/2022 16:10	4.3	197	13	6.8	0.00
09/08/2022 16:20	4.0	194	15	6.2	0.00
09/08/2022 16:30	3.7	196	14	5.8	0.00
09/08/2022 16:40	4.4	201	14	6.7	0.00
09/08/2022 16:50	3.9	200	16	5.6	0.00
09/08/2022 17:00	3.7	196	12	5.8	0.00
09/08/2022 17:10	3.7	194	11	5.2	0.00
09/08/2022 17:20	3.9	197	14	5.8	0.00
09/08/2022 17:30	4.0	202	12	5.6	0.00
09/08/2022 17:40	3.7	202	12	5.3	0.00
09/08/2022 17:50	3.2	200	14	4.7	0.00
09/08/2022 18:00	3.3	203	15	4.3	0.00
09/08/2022 18:10	2.7	201	14	3.8	0.00
09/08/2022 18:20	2.7	205	12	3.7	0.00
09/08/2022 18:30	2.0	211	15	3.0	0.00
09/08/2022 18:40	1.8	206	16	2.8	0.00
09/08/2022 18:50	1.4	216	15	2.2	0.00
09/08/2022 19:00	1.2	208	37	2.1	0.00
09/08/2022 19:10	1.0	219	21	1.6	0.00
09/08/2022 19:20	1.3	226	21	2.0	0.00
09/08/2022 19:30	1.7	213	12	2.4	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/08/2022 19:40	2.0	218	12	2.7	0.00
09/08/2022 19:50	2.3	207	13	3.2	0.00
09/08/2022 20:00	2.4	205	12	3.1	0.00
09/08/2022 20:10	2.5	208	11	3.5	0.00
09/08/2022 20:20	2.4	206	16	3.5	0.00
09/08/2022 20:30	2.4	207	13	3.2	0.00
09/08/2022 20:40	2.2	211	16	3.4	0.00
09/08/2022 20:50	2.2	211	12	2.9	0.00
09/08/2022 21:00	2.2	211	12	3.2	0.00
09/08/2022 21:10	2.2	210	12	3.6	0.00
09/08/2022 21:20	2.5	210	12	3.5	0.00
09/08/2022 21:30	2.6	213	13	3.4	0.00
09/08/2022 21:40	2.6	213	11	3.6	0.00
09/08/2022 21:50	2.7	211	13	3.7	0.00
09/08/2022 22:00	2.9	211	11	4.0	0.00
09/08/2022 22:10	2.6	216	13	3.6	0.00
09/08/2022 22:20	3.1	211	13	4.1	0.00
09/08/2022 22:30	3.2	214	14	4.6	0.00
09/08/2022 22:40	3.8	206	13	5.3	0.00
09/08/2022 22:50	3.6	207	15	5.0	0.00
09/08/2022 23:00	3.5	208	12	5.5	0.00
09/08/2022 23:10	3.8	207	12	4.9	0.00
09/08/2022 23:20	3.9	209	15	5.6	0.00
09/08/2022 23:30	4.0	213	14	5.6	0.00
09/08/2022 23:40	4.5	212	13	6.1	0.00
09/08/2022 23:50	4.6	212	13	6.4	0.00
10/08/2022 00:00	4.0	212	17	5.6	0.00
10/08/2022 00:10	4.0	208	13	5.6	0.00
10/08/2022 00:20	4.0	209	14	5.5	0.00
10/08/2022 00:30	4.2	209	12	6.6	0.00
10/08/2022 00:40	4.1	206	12	5.5	0.00
10/08/2022 00:50	4.2	200	12	5.5	0.00
10/08/2022 01:00	4.4	207	14	6.3	0.00
10/08/2022 01:10	3.7	204	16	5.3	0.00
10/08/2022 01:20	4.2	204	13	6.0	0.00
10/08/2022 01:30	4.8	203	13	6.5	0.00
10/08/2022 01:40	4.8	200	12	6.8	0.00
10/08/2022 01:50	4.9	200	13	7.0	0.00
10/08/2022 02:00	4.4	198	13	6.5	0.00
10/08/2022 02:10	4.1	202	13	5.6	0.00
10/08/2022 02:20	4.3	200	13	5.6	0.00
10/08/2022 02:30	4.4	201	14	6.2	0.00
10/08/2022 02:40	4.3	205	15	5.9	0.00
10/08/2022 02:50	4.2	202	13	5.6	0.00
10/08/2022 03:00	3.6	203	16	5.5	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/08/2022 03:10	4.0	203	14	5.6	0.00
10/08/2022 03:20	4.1	202	14	5.9	0.00
10/08/2022 03:30	4.3	203	14	6.0	0.00
10/08/2022 03:40	4.3	205	13	5.9	0.00
10/08/2022 03:50	4.1	200	14	6.6	0.00
10/08/2022 04:00	4.0	200	12	5.4	0.00
10/08/2022 04:10	3.8	199	13	5.6	0.00
10/08/2022 04:20	3.6	201	13	5.2	0.00
10/08/2022 04:30	3.5	197	14	4.7	0.00
10/08/2022 04:40	3.4	201	15	5.3	0.00
10/08/2022 04:50	3.3	199	16	4.8	0.00
10/08/2022 05:00	3.3	199	15	4.8	0.00
10/08/2022 05:10	3.1	196	15	4.8	0.00
10/08/2022 05:20	3.1	199	13	4.4	0.00
10/08/2022 05:30	2.9	201	16	4.2	0.00
10/08/2022 05:40	3.3	202	15	4.4	0.00
10/08/2022 05:50	3.2	199	13	4.6	0.00
10/08/2022 06:00	2.9	201	14	4.0	0.00
10/08/2022 06:10	3.0	200	13	4.2	0.00
10/08/2022 06:20	2.9	202	14	3.9	0.00
10/08/2022 06:30	2.5	194	14	3.5	0.00
10/08/2022 06:40	2.4	199	14	3.7	0.00
10/08/2022 06:50	1.8	188	34	3.2	0.00
10/08/2022 07:00	1.8	193	25	2.8	0.00
10/08/2022 07:10	2.5	199	18	3.8	0.00
10/08/2022 07:20	2.7	198	15	4.0	0.00
10/08/2022 07:30	3.0	194	17	4.4	0.00
10/08/2022 07:40	3.1	197	15	4.4	0.00
10/08/2022 07:50	3.0	193	15	4.4	0.00
10/08/2022 08:00	2.7	191	15	3.8	0.00
10/08/2022 08:10	2.4	183	19	4.0	0.00
10/08/2022 08:20	2.0	167	23	3.5	0.00
10/08/2022 08:30	2.1	150	26	3.3	0.00
10/08/2022 08:40	2.8	145	27	4.6	0.00
10/08/2022 08:50	2.6	153	33	4.3	0.00
10/08/2022 09:00	3.1	133	26	5.1	0.00
10/08/2022 09:10	2.9	145	24	5.8	0.00
10/08/2022 09:20	2.8	137	25	5.5	0.00
10/08/2022 09:30	3.2	118	27	6.0	0.00
10/08/2022 09:40	3.5	118	22	5.7	0.00
10/08/2022 09:50	3.3	114	22	5.7	0.00
10/08/2022 10:00	4.0	106	23	6.6	0.00
10/08/2022 10:10	4.0	104	22	6.0	0.00
10/08/2022 10:20	4.4	104	24	6.6	0.00
10/08/2022 10:30	4.3	99	22	6.8	0.00





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/08/2022 10:40	4.1	101	23	6.0	0.00
10/08/2022 10:50	4.0	97	22	5.6	0.00
10/08/2022 11:00	4.4	85	17	5.9	0.00
10/08/2022 11:10	4.2	87	14	6.4	0.00
10/08/2022 11:20	4.7	83	13	6.5	0.00
10/08/2022 11:30	4.5	81	11	6.0	0.00
10/08/2022 11:40	4.1	80	13	5.7	0.00
10/08/2022 11:50	4.2	81	13	5.9	0.00
10/08/2022 12:00	4.0	75	16	5.9	0.00
10/08/2022 12:10	3.6	67	18	4.9	0.00
10/08/2022 12:20	3.9	57	12	5.3	0.00
10/08/2022 12:30	3.8	67	14	5.2	0.00
10/08/2022 12:40	3.6	72	16	5.2	0.00
10/08/2022 12:50	3.6	61	15	5.1	0.00
10/08/2022 13:00	3.4	56	16	4.7	0.00
10/08/2022 13:10	3.6	57	11	4.8	0.00
10/08/2022 13:20	3.9	59	12	5.1	0.00
10/08/2022 13:30	3.9	57	15	5.1	0.00
10/08/2022 13:40	3.6	54	16	4.9	0.00
10/08/2022 13:50	3.9	48	12	5.2	0.00
10/08/2022 14:00	3.8	47	13	5.2	0.00
10/08/2022 14:10	3.9	45	11	5.4	0.00
10/08/2022 14:20	3.5	53	12	4.7	0.00
10/08/2022 14:30	3.4	49	14	4.8	0.00
10/08/2022 14:40	3.7	49	13	4.6	0.00
10/08/2022 14:50	3.5	46	13	4.8	0.00
10/08/2022 15:00	3.5	45	14	4.5	0.00
10/08/2022 15:10	3.4	47	13	4.8	0.00
10/08/2022 15:20	3.2	45	14	4.6	0.00
10/08/2022 15:30	3.3	40	14	4.4	0.00
10/08/2022 15:40	2.9	51	14	4.2	0.00
10/08/2022 15:50	2.8	44	15	4.0	0.00
10/08/2022 16:00	3.0	40	15	4.6	0.00
10/08/2022 16:10	2.8	46	16	4.0	0.00
10/08/2022 16:20	3.0	40	14	4.4	0.00
10/08/2022 16:30	3.2	38	12	4.2	0.00
10/08/2022 16:40	2.9	42	14	4.1	0.00
10/08/2022 16:50	2.8	45	13	4.0	0.00
10/08/2022 17:00	2.8	42	13	3.9	0.00
10/08/2022 17:10	2.5	45	14	3.5	0.00
10/08/2022 17:20	2.2	55	14	3.2	0.00
10/08/2022 17:30	1.8	52	14	2.6	0.00
10/08/2022 17:40	1.5	42	14	2.4	0.00
10/08/2022 17:50	0.6	193	36	1.2	0.00
10/08/2022 18:00	1.5	271	20	2.6	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/08/2022 18:10	0.9	278	48	1.7	0.00
10/08/2022 18:20	1.3	259	48	2.3	0.00
10/08/2022 18:30	1.4	212	32	2.2	0.00
10/08/2022 18:40	1.4	249	34	2.4	0.00
10/08/2022 18:50	1.8	211	25	2.8	0.00
10/08/2022 19:00	1.1	267	39	2.0	0.00
10/08/2022 19:10	1.3	248	42	2.3	0.00
10/08/2022 19:20	1.5	275	22	2.5	0.00
10/08/2022 19:30	1.6	265	25	2.6	0.00
10/08/2022 19:40	0.9	261	44	1.6	0.00
10/08/2022 19:50	1.1	229	38	1.9	0.00
10/08/2022 20:00	1.1	223	30	1.8	0.00
10/08/2022 20:10	1.3	211	26	2.2	0.00
10/08/2022 20:20	1.7	198	17	2.4	0.00
10/08/2022 20:30	1.4	195	22	2.2	0.00
10/08/2022 20:40	1.3	194	24	1.9	0.00
10/08/2022 20:50	1.6	202	16	2.4	0.00
10/08/2022 21:00	1.4	206	20	2.2	0.00
10/08/2022 21:10	1.2	216	24	1.9	0.00
10/08/2022 21:20	1.0	217	33	1.5	0.00
10/08/2022 21:30	0.5	49	38	0.9	0.00
10/08/2022 21:40	0.6	292	16	1.0	0.00
10/08/2022 21:50	0.5	354	28	1.2	0.00
10/08/2022 22:00	0.2	347	5	0.9	0.00
10/08/2022 22:10	0.6	341	10	0.9	0.00
10/08/2022 22:20	1.0	344	9	1.4	0.00
10/08/2022 22:30	0.6	323	10	1.1	0.00
10/08/2022 22:40	0.4	318	11	0.9	0.00
10/08/2022 22:50					0.00
10/08/2022 23:00					0.00
10/08/2022 23:10	0.7	166	15	1.4	0.00
10/08/2022 23:20	2.3	173	10	3.1	0.00
10/08/2022 23:30	2.6	172	10	3.5	0.00
10/08/2022 23:40	1.8	161	13	2.7	0.00
10/08/2022 23:50	2.2	150	18	3.2	0.00
11/08/2022 00:00	1.8	154	15	3.1	0.00
11/08/2022 00:10	1.8	152	20	2.7	0.00
11/08/2022 00:20	2.1	129	23	3.2	0.00
11/08/2022 00:30	2.1	129	19	3.2	0.00
11/08/2022 00:40	2.5	118	12	3.6	0.00
11/08/2022 00:50	2.9	117	12	3.6	0.00
11/08/2022 01:00	2.6	118	13	3.7	0.00
11/08/2022 01:10	2.2	120	20	3.3	0.00
11/08/2022 01:20	2.7	111	15	3.9	0.00
11/08/2022 01:30	2.8	87	16	4.2	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/08/2022 01:40	2.4	94	19	3.6	0.00
11/08/2022 01:50	2.5	98	19	3.7	0.00
11/08/2022 02:00	2.9	88	14	4.1	0.00
11/08/2022 02:10	2.7	93	17	4.0	0.00
11/08/2022 02:20	2.2	94	18	3.6	0.00
11/08/2022 02:30	2.1	109	19	3.6	0.00
11/08/2022 02:40	1.4	103	24	2.5	0.00
11/08/2022 02:50	2.2	116	24	3.2	0.00
11/08/2022 03:00	2.2	110	20	3.5	0.00
11/08/2022 03:10	1.7	105	26	3.7	0.00
11/08/2022 03:20	1.9	95	27	3.6	0.00
11/08/2022 03:30	2.3	112	29	4.3	0.00
11/08/2022 03:40	2.3	107	29	4.6	0.00
11/08/2022 03:50	2.6	107	22	4.7	0.00
11/08/2022 04:00	2.6	112	20	4.1	0.00
11/08/2022 04:10	2.3	118	20	4.4	0.00
11/08/2022 04:20	2.9	104	24	4.9	0.00
11/08/2022 04:30	2.6	98	21	4.7	0.00
11/08/2022 04:40	2.6	121	36	4.9	0.00
11/08/2022 04:50	2.7	107	27	4.5	0.00
11/08/2022 05:00	3.1	106	27	5.5	0.00
11/08/2022 05:10	3.1	97	25	5.7	0.00
11/08/2022 05:20	3.0	98	22	4.8	0.00
11/08/2022 05:30	2.7	107	25	5.0	0.00
11/08/2022 05:40	3.0	101	24	5.9	0.00
11/08/2022 05:50	3.1	103	23	5.3	0.00
11/08/2022 06:00	3.4	103	24	5.6	0.00
11/08/2022 06:10	3.0	104	25	5.7	0.00
11/08/2022 06:20	3.6	100	22	5.7	0.00
11/08/2022 06:30	3.9	102	22	6.4	0.00
11/08/2022 06:40	3.3	106	19	5.8	0.00
11/08/2022 06:50	3.4	100	21	6.4	0.00
11/08/2022 07:00	3.2	98	24	5.4	0.00
11/08/2022 07:10	3.4	99	20	5.7	0.00
11/08/2022 07:20	3.6	105	22	5.9	0.00
11/08/2022 07:30	3.6	97	21	6.0	0.00
11/08/2022 07:40	3.7	104	26	7.2	0.00
11/08/2022 07:50	3.7	114	25	6.0	0.00
11/08/2022 08:00	4.4	111	25	7.1	0.00
11/08/2022 08:10	4.0	109	28	6.6	0.00
11/08/2022 08:20	4.3	117	28	7.1	0.00
11/08/2022 08:30	4.3	107	25	7.9	0.00
11/08/2022 08:40	5.3	103	25	7.8	0.00
11/08/2022 08:50	5.3	98	24	8.8	0.00
11/08/2022 09:00	5.1	108	23	7.7	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/08/2022 09:10	5.4	118	26	8.5	0.00
11/08/2022 09:20	5.7	113	23	10.0	0.00
11/08/2022 09:30	5.9	111	21	8.9	0.00
11/08/2022 09:40	6.0	109	22	9.5	0.00
11/08/2022 09:50	5.8	110	23	9.7	0.00
11/08/2022 10:00	5.8	106	22	9.9	0.00
11/08/2022 10:10	5.3	113	24	8.1	0.00
11/08/2022 10:20	5.1	116	23	8.4	0.00
11/08/2022 10:30	5.0	119	22	8.3	0.00
11/08/2022 10:40	5.0	101	22	8.7	0.00
11/08/2022 10:50	4.6	102	23	6.8	0.00
11/08/2022 11:00	4.5	112	22	7.5	0.00
11/08/2022 11:10	4.7	103	20	8.3	0.00
11/08/2022 11:20	4.4	114	22	7.2	0.00
11/08/2022 11:30	4.1	111	21	6.4	0.00
11/08/2022 11:40	4.5	111	25	7.3	0.00
11/08/2022 11:50	4.1	108	23	6.5	0.00
11/08/2022 12:00	3.9	113	21	6.1	0.00
11/08/2022 12:10	3.7	106	24	5.8	0.00
11/08/2022 12:20	3.5	98	21	5.9	0.00
11/08/2022 12:30	4.3	78	17	6.2	0.00
11/08/2022 12:40	4.1	81	15	5.7	0.00
11/08/2022 12:50	4.3	80	13	5.9	0.00
11/08/2022 13:00	3.8	85	15	5.3	0.00
11/08/2022 13:10	4.0	62	13	5.2	0.00
11/08/2022 13:20	4.6	57	10	5.6	0.00
11/08/2022 13:30	4.7	56	10	6.0	0.00
11/08/2022 13:40	4.4	57	11	5.8	0.00
11/08/2022 13:50	4.3	57	9	5.6	0.00
11/08/2022 14:00	4.0	57	13	5.7	0.00
11/08/2022 14:10	3.9	51	14	5.5	0.00
11/08/2022 14:20	3.7	44	13	5.6	0.00
11/08/2022 14:30	4.1	43	13	5.5	0.00
11/08/2022 14:40	3.8	45	12	5.2	0.00
11/08/2022 14:50	3.6	38	13	4.9	0.00
11/08/2022 15:00	3.3	46	13	4.4	0.00
11/08/2022 15:10	3.4	44	13	4.6	0.00
11/08/2022 15:20	3.2	44	13	4.3	0.00
11/08/2022 15:30	3.2	49	12	4.0	0.00
11/08/2022 15:40	3.0	42	13	3.8	0.00
11/08/2022 15:50	2.9	47	13	3.9	0.00
11/08/2022 16:00	2.9	47	12	3.8	0.00
11/08/2022 16:10	2.9	46	13	3.8	0.00
11/08/2022 16:20	2.6	50	11	3.4	0.00
11/08/2022 16:30	2.4	44	14	3.3	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/08/2022 16:40	2.3	52	11	3.2	0.00
11/08/2022 16:50	1.7	56	16	2.4	0.00
11/08/2022 17:00	1.8	44	12	2.4	0.00
11/08/2022 17:10	1.4	57	17	2.0	0.00
11/08/2022 17:20	1.3	65	15	1.8	0.00
11/08/2022 17:30	1.0	68	15	1.3	0.00
11/08/2022 17:40	0.9	91	17	1.3	0.00
11/08/2022 17:50	0.7	112	22	1.2	0.00
11/08/2022 18:00	0.6	81	22	1.2	0.00
11/08/2022 18:10	0.5	111	24	1.1	0.00
11/08/2022 18:20	0.5	127	29	1.0	0.00
11/08/2022 18:30	0.7	117	17	1.0	0.00
11/08/2022 18:40	0.6	162	25	1.1	0.00
11/08/2022 18:50	0.4	128	22	0.9	0.00
11/08/2022 19:00	0.5	127	26	1.0	0.00
11/08/2022 19:10	0.4	107	24	0.9	0.00
11/08/2022 19:20	0.1	287	7	0.6	0.00
11/08/2022 19:30	0.5	63	29	1.2	0.00
11/08/2022 19:40	0.6	98	18	1.2	0.00
11/08/2022 19:50	0.6	91	25	1.0	0.00
11/08/2022 20:00	0.5	143	33	0.8	0.00
11/08/2022 20:10	0.8	168	22	1.2	0.00
11/08/2022 20:20	0.8	184	16	1.3	0.00
11/08/2022 20:30	1.0	160	14	1.3	0.00
11/08/2022 20:40	0.7	134	20	1.1	0.00
11/08/2022 20:50	0.9	147	22	1.3	0.00
11/08/2022 21:00	1.1	88	10	1.5	0.00
11/08/2022 21:10	0.6	83	6	1.1	0.00
11/08/2022 21:20	0.7	97	9	1.0	0.00
11/08/2022 21:30	1.0	97	7	1.2	0.00
11/08/2022 21:40	0.4	87	15	0.8	0.00
11/08/2022 21:50	0.4	119	15	0.8	0.00
11/08/2022 22:00	0.5	105	19	0.9	0.00
11/08/2022 22:10	0.1	87	1	0.6	0.00
11/08/2022 22:20	0.0	17	2	0.4	0.00
11/08/2022 22:30	0.7	343	12	1.2	0.00
11/08/2022 22:40	0.5	274	26	0.8	0.00
11/08/2022 22:50	0.5	121	21	1.2	0.00
11/08/2022 23:00	0.6	82	50	1.1	0.00
11/08/2022 23:10	0.4	189	34	0.8	0.00
11/08/2022 23:20	0.4	337	18	0.9	0.00
11/08/2022 23:30	0.5	127	12	1.1	0.00
11/08/2022 23:40	1.3	113	24	2.2	0.00
11/08/2022 23:50	2.0	111	13	2.8	0.00
12/08/2022 00:00	1.9	118	16	2.8	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/08/2022 00:10	2.3	121	17	3.3	0.00
12/08/2022 00:20	2.1	140	22	3.2	0.00
12/08/2022 00:30	1.9	136	20	3.2	0.00
12/08/2022 00:40	1.9	132	20	2.9	0.00
12/08/2022 00:50	2.5	134	18	3.9	0.00
12/08/2022 01:00	2.8	130	15	4.0	0.00
12/08/2022 01:10	3.2	128	16	4.6	0.00
12/08/2022 01:20	3.2	128	14	4.6	0.00
12/08/2022 01:30	2.9	121	18	4.1	0.00
12/08/2022 01:40	3.6	117	13	4.8	0.00
12/08/2022 01:50	4.1	121	16	5.8	0.00
12/08/2022 02:00	4.5	116	13	6.4	0.00
12/08/2022 02:10	4.4	118	13	6.2	0.00
12/08/2022 02:20	4.0	118	13	5.2	0.00
12/08/2022 02:30	3.9	114	17	5.7	0.00
12/08/2022 02:40	4.3	115	14	6.2	0.00
12/08/2022 02:50	3.6	104	20	6.8	0.00
12/08/2022 03:00	3.8	113	17	6.0	0.00
12/08/2022 03:10	3.5	104	20	5.6	0.00
12/08/2022 03:20	4.0	88	15	6.3	0.00
12/08/2022 03:30	4.0	95	16	7.1	0.00
12/08/2022 03:40	4.3	88	18	6.8	0.00
12/08/2022 03:50	3.8	91	21	6.1	0.00
12/08/2022 04:00	3.5	102	24	5.3	0.00
12/08/2022 04:10	3.8	107	22	6.6	0.00
12/08/2022 04:20	4.1	104	24	6.8	0.00
12/08/2022 04:30	3.6	118	21	6.4	0.00
12/08/2022 04:40	4.0	117	22	6.0	0.00
12/08/2022 04:50	4.0	117	25	6.9	0.00
12/08/2022 05:00	3.9	112	25	6.8	0.00
12/08/2022 05:10	4.0	112	22	6.9	0.00
12/08/2022 05:20	4.3	117	20	7.0	0.00
12/08/2022 05:30	3.8	111	24	6.6	0.00
12/08/2022 05:40	3.2	115	22	5.6	0.00
12/08/2022 05:50	3.1	109	23	5.6	0.00
12/08/2022 06:00	3.4	113	20	5.6	0.00
12/08/2022 06:10	3.7	110	19	6.0	0.00
12/08/2022 06:20	3.2	106	23	6.0	0.00
12/08/2022 06:30	3.4	98	18	6.0	0.00
12/08/2022 06:40	3.6	105	23	6.0	0.00
12/08/2022 06:50	4.4	94	16	7.2	0.00
12/08/2022 07:00	4.2	94	20	6.2	0.00
12/08/2022 07:10	4.3	97	22	6.6	0.00
12/08/2022 07:20	4.3	94	20	7.6	0.00
12/08/2022 07:30	4.2	95	20	6.6	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/08/2022 07:40	4.2	92	18	6.6	0.00
12/08/2022 07:50	4.8	93	16	7.8	0.00
12/08/2022 08:00	4.9	91	16	8.1	0.00
12/08/2022 08:10	5.2	91	16	7.5	0.00
12/08/2022 08:20	5.0	91	16	7.3	0.00
12/08/2022 08:30	5.2	91	16	7.7	0.00
12/08/2022 08:40	5.1	87	16	7.1	0.00
12/08/2022 08:50	6.3	87	17	8.7	0.00
12/08/2022 09:00	6.0	83	14	8.3	0.00
12/08/2022 09:10	7.1	90	14	9.7	0.00
12/08/2022 09:20	6.4	85	13	9.4	0.00
12/08/2022 09:30	6.1	86	15	8.5	0.00
12/08/2022 09:40	6.1	86	15	8.7	0.00
12/08/2022 09:50	6.1	89	12	8.9	0.00
12/08/2022 10:00	6.0	84	15	7.9	0.00
12/08/2022 10:10	5.7	82	16	8.8	0.00
12/08/2022 10:20	6.5	81	15	8.8	0.00
12/08/2022 10:30	6.1	82	16	8.6	0.00
12/08/2022 10:40	6.3	86	15	8.7	0.00
12/08/2022 10:50	6.3	84	14	8.7	0.00
12/08/2022 11:00	6.0	89	15	8.3	0.00
12/08/2022 11:10	6.1	84	14	9.1	0.00
12/08/2022 11:20	5.6	78	15	7.5	0.00
12/08/2022 11:30	5.1	78	16	7.2	0.00
12/08/2022 11:40	5.2	67	14	7.4	0.00
12/08/2022 11:50	5.1	73	17	7.4	0.00
12/08/2022 12:00	5.4	67	15	7.5	0.00
12/08/2022 12:10	5.0	60	13	6.6	0.00
12/08/2022 12:20	5.0	62	13	7.1	0.00
12/08/2022 12:30	4.9	61	14	6.8	0.00
12/08/2022 12:40	5.0	59	11	6.8	0.00
12/08/2022 12:50	4.9	57	11	6.4	0.00
12/08/2022 13:00	5.1	59	11	7.3	0.00
12/08/2022 13:10	4.2	61	13	6.0	0.00
12/08/2022 13:20	3.8	71	15	5.2	0.00
12/08/2022 13:30	4.0	72	15	5.6	0.00
12/08/2022 13:40	4.2	76	14	6.0	0.00
12/08/2022 13:50	3.7	70	16	5.6	0.00
12/08/2022 14:00	3.8	63	14	5.8	0.00
12/08/2022 14:10	3.4	67	16	4.8	0.00
12/08/2022 14:20	3.4	70	15	4.8	0.00
12/08/2022 14:30	4.2	57	13	5.8	0.00
12/08/2022 14:40	5.0	60	11	6.3	0.00
12/08/2022 14:50	4.0	52	11	5.3	0.00
12/08/2022 15:00	3.7	53	13	5.6	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/08/2022 15:10	3.9	55	11	5.6	0.00
12/08/2022 15:20	4.2	59	12	5.7	0.00
12/08/2022 15:30	4.3	56	11	5.6	0.00
12/08/2022 15:40	4.6	61	9	5.9	0.00
12/08/2022 15:50	4.3	59	12	5.9	0.00
12/08/2022 16:00	3.8	58	14	5.1	0.00
12/08/2022 16:10	3.3	62	12	4.7	0.00
12/08/2022 16:20	3.0	64	15	4.4	0.00
12/08/2022 16:30	2.7	61	17	4.0	0.00
12/08/2022 16:40	3.2	62	14	4.7	0.00
12/08/2022 16:50	2.8	64	17	4.0	0.00
12/08/2022 17:00	3.0	62	14	4.5	0.00
12/08/2022 17:10	3.9	59	10	4.9	0.00
12/08/2022 17:20	3.2	64	11	4.4	0.00
12/08/2022 17:30	2.7	66	13	3.7	0.00
12/08/2022 17:40	2.2	55	14	3.2	0.00
12/08/2022 17:50	2.0	62	16	3.0	0.00
12/08/2022 18:00	1.5	57	16	2.4	0.00
12/08/2022 18:10	1.5	74	15	2.3	0.00
12/08/2022 18:20	1.6	73	16	2.7	0.00
12/08/2022 18:30	1.5	75	18	2.0	0.00
12/08/2022 18:40	1.6	80	13	2.2	0.00
12/08/2022 18:50	1.3	66	16	2.1	0.00
12/08/2022 19:00	0.9	71	16	1.6	0.00
12/08/2022 19:10	1.1	87	25	1.8	0.00
12/08/2022 19:20	1.1	86	23	2.0	0.00
12/08/2022 19:30	1.2	70	18	1.7	0.00
12/08/2022 19:40	1.7	56	16	2.6	0.00
12/08/2022 19:50	1.8	53	12	2.8	0.00
12/08/2022 20:00	1.9	46	14	3.0	0.00
12/08/2022 20:10	2.0	44	13	2.8	0.00
12/08/2022 20:20	1.4	56	17	2.2	0.00
12/08/2022 20:30	1.4	58	17	2.2	0.00
12/08/2022 20:40	1.3	72	16	2.0	0.00
12/08/2022 20:50	1.2	125	17	1.9	0.00
12/08/2022 21:00	1.3	100	35	2.2	0.00
12/08/2022 21:10	1.4	58	33	2.5	0.00
12/08/2022 21:20	1.6	55	22	3.0	0.00
12/08/2022 21:30	2.0	43	24	3.1	0.00
12/08/2022 21:40	1.8	47	13	2.8	0.00
12/08/2022 21:50	1.7	80	14	2.5	0.00
12/08/2022 22:00	1.6	99	14	2.6	0.00
12/08/2022 22:10	1.5	121	17	2.2	0.00
12/08/2022 22:20	1.5	89	17	2.1	0.00
12/08/2022 22:30	1.6	115	20	2.5	0.00





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/08/2022 22:40	1.9	133	19	2.8	0.00
12/08/2022 22:50	1.9	145	18	3.0	0.00
12/08/2022 23:00	1.8	143	17	2.6	0.00
12/08/2022 23:10	1.7	125	18	2.7	0.00
12/08/2022 23:20	2.1	140	14	3.1	0.00
12/08/2022 23:30	1.9	119	18	2.8	0.00
12/08/2022 23:40	1.9	123	16	2.7	0.00
12/08/2022 23:50	1.0	68	20	1.6	0.00
13/08/2022 00:00	1.8	102	13	2.8	0.00
13/08/2022 00:10	2.3	113	13	3.2	0.00
13/08/2022 00:20	2.1	116	19	3.3	0.00
13/08/2022 00:30	2.1	121	17	3.6	0.00
13/08/2022 00:40	2.2	120	18	2.9	0.00
13/08/2022 00:50	2.2	138	20	3.6	0.00
13/08/2022 01:00	2.3	139	19	3.7	0.00
13/08/2022 01:10	2.2	137	19	3.6	0.00
13/08/2022 01:20	2.3	117	16	3.3	0.00
13/08/2022 01:30	2.4	130	20	3.6	0.00
13/08/2022 01:40	2.3	142	21	4.0	0.00
13/08/2022 01:50	1.9	121	20	3.3	0.00
13/08/2022 02:00	1.9	128	21	2.8	0.00
13/08/2022 02:10	1.9	132	21	3.1	0.00
13/08/2022 02:20	2.2	123	17	3.8	0.00
13/08/2022 02:30	2.1	130	22	3.2	0.00
13/08/2022 02:40	2.2	137	17	3.6	0.00
13/08/2022 02:50	2.6	122	17	3.5	0.00
13/08/2022 03:00	2.5	116	12	3.4	0.00
13/08/2022 03:10	2.9	121	14	4.0	0.00
13/08/2022 03:20	2.9	127	15	4.4	0.00
13/08/2022 03:30	2.9	129	15	4.4	0.00
13/08/2022 03:40	3.0	129	18	4.9	0.00
13/08/2022 03:50	2.9	119	16	4.3	0.00
13/08/2022 04:00	2.7	107	18	4.2	0.00
13/08/2022 04:10	2.4	106	15	3.6	0.00
13/08/2022 04:20	2.7	113	14	3.8	0.00
13/08/2022 04:30	2.7	113	16	4.4	0.00
13/08/2022 04:40	2.5	101	24	4.0	0.00
13/08/2022 04:50	2.7	101	19	4.3	0.00
13/08/2022 05:00	3.2	95	16	5.5	0.00
13/08/2022 05:10	3.4	93	16	5.5	0.00
13/08/2022 05:20	3.3	94	19	5.8	0.00
13/08/2022 05:30	3.4	99	17	5.3	0.00
13/08/2022 05:40	3.8	96	15	5.8	0.00
13/08/2022 05:50	3.3	104	15	4.9	0.00
13/08/2022 06:00	3.2	105	16	4.8	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/08/2022 06:10	3.6	100	19	5.4	0.00
13/08/2022 06:20	4.1	91	17	6.2	0.00
13/08/2022 06:30	4.0	96	16	6.0	0.00
13/08/2022 06:40	3.5	97	18	5.5	0.00
13/08/2022 06:50	3.6	104	14	5.4	0.00
13/08/2022 07:00	3.4	104	18	4.7	0.00
13/08/2022 07:10	3.3	109	17	5.2	0.00
13/08/2022 07:20	3.5	99	18	4.8	0.00
13/08/2022 07:30	3.7	100	16	5.2	0.00
13/08/2022 07:40	4.1	89	17	5.8	0.00
13/08/2022 07:50	4.5	91	14	6.5	0.00
13/08/2022 08:00	4.6	92	14	6.3	0.00
13/08/2022 08:10	4.3	90	14	6.1	0.00
13/08/2022 08:20	4.2	95	17	6.0	0.00
13/08/2022 08:30	4.0	93	16	5.7	0.00
13/08/2022 08:40	3.9	91	19	6.0	0.00
13/08/2022 08:50	4.2	92	13	5.8	0.00
13/08/2022 09:00	4.7	88	16	6.7	0.00
13/08/2022 09:10	4.6	89	15	6.5	0.00
13/08/2022 09:20	4.8	87	17	7.0	0.00
13/08/2022 09:30	4.9	86	14	6.8	0.00
13/08/2022 09:40	4.5	85	15	6.3	0.00
13/08/2022 09:50	4.6	84	12	6.3	0.00
13/08/2022 10:00	4.4	79	14	6.0	0.00
13/08/2022 10:10	4.3	78	15	6.4	0.00
13/08/2022 10:20	4.7	77	15	6.8	0.00
13/08/2022 10:30	4.2	80	15	5.9	0.00
13/08/2022 10:40	5.1	77	15	6.8	0.00
13/08/2022 10:50	4.5	79	14	6.3	0.00
13/08/2022 11:00	3.8	71	14	5.6	0.00
13/08/2022 11:10	4.1	73	13	5.8	0.00
13/08/2022 11:20	3.9	74	16	5.7	0.00
13/08/2022 11:30	4.1	77	12	5.6	0.00
13/08/2022 11:40	3.9	82	16	5.4	0.00
13/08/2022 11:50	3.8	79	15	5.1	0.00
13/08/2022 12:00	3.9	77	14	5.2	0.00
13/08/2022 12:10	3.2	71	15	4.6	0.00
13/08/2022 12:20	3.2	77	14	4.8	0.00
13/08/2022 12:30	3.3	79	14	4.3	0.00
13/08/2022 12:40	2.6	58	20	3.6	0.00
13/08/2022 12:50	3.1	50	11	4.0	0.00
13/08/2022 13:00	3.1	55	11	4.0	0.00
13/08/2022 13:10	2.6	65	18	4.0	0.00
13/08/2022 13:20	2.7	58	17	4.0	0.00
13/08/2022 13:30	3.0	47	14	4.0	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/08/2022 13:40	2.7	57	17	3.8	0.00
13/08/2022 13:50	3.0	48	13	4.3	0.00
13/08/2022 14:00	3.1	57	13	4.1	0.00
13/08/2022 14:10	3.1	59	11	4.0	0.00
13/08/2022 14:20	2.6	72	18	3.6	0.00
13/08/2022 14:30	2.7	67	19	3.7	0.00
13/08/2022 14:40	2.6	73	16	3.6	0.00
13/08/2022 14:50	3.1	74	13	4.2	0.00
13/08/2022 15:00	3.3	55	12	4.2	0.00
13/08/2022 15:10	3.2	59	12	4.1	0.00
13/08/2022 15:20	3.1	53	12	3.8	0.00
13/08/2022 15:30	2.8	63	13	4.0	0.00
13/08/2022 15:40	2.6	77	15	3.8	0.00
13/08/2022 15:50	2.6	78	15	3.6	0.00
13/08/2022 16:00	2.7	83	13	3.6	0.00
13/08/2022 16:10	2.9	55	14	4.0	0.00
13/08/2022 16:20	2.3	58	15	3.3	0.00
13/08/2022 16:30	2.3	71	14	3.2	0.00
13/08/2022 16:40	2.5	61	15	3.3	0.00
13/08/2022 16:50	1.7	74	19	2.8	0.00
13/08/2022 17:00	1.6	54	18	2.4	0.00
13/08/2022 17:10	1.7	68	19	2.8	0.00
13/08/2022 17:20	1.8	82	15	2.7	0.00
13/08/2022 17:30	2.1	83	14	2.8	0.00
13/08/2022 17:40	1.8	70	15	2.8	0.00
13/08/2022 17:50	1.8	63	15	2.5	0.00
13/08/2022 18:00	2.1	69	11	3.0	0.00
13/08/2022 18:10	2.0	74	13	2.9	0.00
13/08/2022 18:20	1.5	63	15	2.2	0.00
13/08/2022 18:30	1.5	79	12	2.2	0.00
13/08/2022 18:40	1.6	75	13	2.3	0.00
13/08/2022 18:50	1.8	73	14	2.5	0.00
13/08/2022 19:00	1.8	68	13	2.5	0.00
13/08/2022 19:10	1.8	72	15	2.6	0.00
13/08/2022 19:20	0.7	75	21	1.2	0.00
13/08/2022 19:30	0.9	121	24	1.4	0.00
13/08/2022 19:40	0.6	81	31	1.2	0.00
13/08/2022 19:50	0.7	123	21	1.2	0.00
13/08/2022 20:00	0.8	167	25	1.6	0.00
13/08/2022 20:10	0.8	98	24	1.5	0.00
13/08/2022 20:20	1.6	159	16	2.2	0.00
13/08/2022 20:30	1.7	175	19	3.0	0.00
13/08/2022 20:40	1.1	139	22	1.9	0.00
13/08/2022 20:50	1.6	160	28	2.4	0.00
13/08/2022 21:00	1.7	124	15	2.6	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/08/2022 21:10	2.2	155	18	3.0	0.00
13/08/2022 21:20	1.9	145	16	2.5	0.00
13/08/2022 21:30	2.1	150	13	2.7	0.00
13/08/2022 21:40	1.2	131	17	1.8	0.00
13/08/2022 21:50	0.9	107	29	1.5	0.00
13/08/2022 22:00	0.8	109	15	1.5	0.00
13/08/2022 22:10	1.3	126	22	1.9	0.00
13/08/2022 22:20	1.8	143	15	2.6	0.00
13/08/2022 22:30	1.4	108	24	2.4	0.00
13/08/2022 22:40	1.5	118	18	2.1	0.00
13/08/2022 22:50	1.3	127	16	2.0	0.00
13/08/2022 23:00	1.1	88	15	1.8	0.00
13/08/2022 23:10	1.7	114	17	2.4	0.00
13/08/2022 23:20	1.1	110	29	1.7	0.00
13/08/2022 23:30	1.4	121	18	2.1	0.00
13/08/2022 23:40	1.2	120	17	2.0	0.00
13/08/2022 23:50	1.5	109	14	2.1	0.00
14/08/2022 00:00	1.5	99	14	1.9	0.00
14/08/2022 00:10	1.3	104	18	2.0	0.00
14/08/2022 00:20	1.0	111	22	1.6	0.00
14/08/2022 00:30	0.9	129	20	1.6	0.00
14/08/2022 00:40	1.1	132	36	1.7	0.00
14/08/2022 00:50	1.6	145	16	2.2	0.00
14/08/2022 01:00	1.6	156	25	2.6	0.00
14/08/2022 01:10	1.2	42	59	2.0	0.00
14/08/2022 01:20	0.3	338	23	1.0	0.00
14/08/2022 01:30	0.9	104	31	1.7	0.00
14/08/2022 01:40	1.4	123	15	1.8	0.00
14/08/2022 01:50	1.0	228	22	1.4	0.00
14/08/2022 02:00	0.5	330	29	1.1	0.00
14/08/2022 02:10	1.0	176	35	1.3	0.00
14/08/2022 02:20	0.8	337	31	1.1	0.00
14/08/2022 02:30	1.0	293	50	1.8	0.00
14/08/2022 02:40	0.3	320	11	0.8	0.00
14/08/2022 02:50	1.5	158	34	2.8	0.00
14/08/2022 03:00	2.1	96	47	3.6	0.00
14/08/2022 03:10	1.2	349	26	2.0	0.00
14/08/2022 03:20	0.5	235	43	1.3	0.00
14/08/2022 03:30	0.2	164	6	0.7	0.00
14/08/2022 03:40	0.2	118	23	0.7	0.00
14/08/2022 03:50					0.00
14/08/2022 04:00					0.00
14/08/2022 04:10	0.2	188	4	0.6	0.00
14/08/2022 04:20					0.00
14/08/2022 04:30	0.2	249	7	0.6	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/08/2022 04:40	0.5	347	5	1.1	0.00
14/08/2022 04:50	0.4	342	11	1.0	0.00
14/08/2022 05:00	0.6	135	13	1.6	0.00
14/08/2022 05:10	1.0	138	19	1.8	0.00
14/08/2022 05:20	1.4	129	23	2.0	0.00
14/08/2022 05:30	1.5	136	22	2.2	0.00
14/08/2022 05:40	1.6	146	23	2.7	0.00
14/08/2022 05:50	1.5	166	50	2.6	0.00
14/08/2022 06:00	0.8	183	50	1.6	0.00
14/08/2022 06:10	1.4	141	24	2.4	0.00
14/08/2022 06:20	1.9	145	22	3.5	0.00
14/08/2022 06:30	2.0	139	21	3.0	0.00
14/08/2022 06:40	2.1	146	19	3.2	0.00
14/08/2022 06:50	2.2	141	20	3.5	0.00
14/08/2022 07:00	1.9	128	21	2.7	0.00
14/08/2022 07:10	1.5	128	18	2.3	0.00
14/08/2022 07:20	1.6	122	16	2.6	0.00
14/08/2022 07:30	1.6	135	23	2.7	0.00
14/08/2022 07:40	1.9	141	19	3.0	0.00
14/08/2022 07:50	1.7	130	21	2.4	0.00
14/08/2022 08:00	2.0	134	19	3.0	0.00
14/08/2022 08:10	2.0	120	18	3.2	0.00
14/08/2022 08:20	2.3	115	15	3.2	0.00
14/08/2022 08:30	2.1	117	16	3.2	0.00
14/08/2022 08:40	1.9	118	17	2.7	0.00
14/08/2022 08:50	2.1	130	21	3.3	0.00
14/08/2022 09:00	2.3	149	20	3.6	0.00
14/08/2022 09:10	2.2	144	18	3.1	0.00
14/08/2022 09:20	2.0	137	27	3.1	0.00
14/08/2022 09:30	2.1	119	25	3.3	0.00
14/08/2022 09:40	2.2	112	23	3.6	0.00
14/08/2022 09:50	2.4	110	20	3.9	0.00
14/08/2022 10:00	2.6	109	14	3.6	0.00
14/08/2022 10:10	2.0	86	23	2.8	0.00
14/08/2022 10:20	1.9	58	16	2.6	0.00
14/08/2022 10:30	2.3	53	10	2.8	0.00
14/08/2022 10:40	2.1	60	9	2.4	0.00
14/08/2022 10:50	2.1	49	14	2.8	0.00
14/08/2022 11:00	2.4	56	12	2.9	0.00
14/08/2022 11:10	2.4	47	11	3.0	0.00
14/08/2022 11:20	2.5	50	9	3.0	0.00
14/08/2022 11:30	2.2	61	15	3.1	0.00
14/08/2022 11:40	2.2	57	20	2.8	0.00
14/08/2022 11:50	2.3	59	18	3.2	0.00
14/08/2022 12:00	2.1	66	18	2.8	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/08/2022 12:10	2.5	54	15	3.4	0.00
14/08/2022 12:20	2.5	61	15	3.5	0.00
14/08/2022 12:30	2.3	83	21	3.2	0.00
14/08/2022 12:40	2.4	83	14	3.1	0.00
14/08/2022 12:50	2.2	70	16	3.3	0.00
14/08/2022 13:00	2.4	50	15	3.3	0.00
14/08/2022 13:10	2.7	47	13	3.5	0.00
14/08/2022 13:20	2.4	58	18	3.4	0.00
14/08/2022 13:30	2.9	55	15	3.8	0.00
14/08/2022 13:40	3.2	40	10	4.2	0.00
14/08/2022 13:50	2.2	62	18	3.1	0.00
14/08/2022 14:00	3.4	50	14	4.9	0.00
14/08/2022 14:10	3.4	47	15	4.7	0.00
14/08/2022 14:20	3.2	47	13	4.3	0.00
14/08/2022 14:30	2.7	51	15	4.0	0.00
14/08/2022 14:40	3.1	53	15	4.6	0.00
14/08/2022 14:50	2.7	68	14	3.6	0.00
14/08/2022 15:00	3.0	72	12	4.0	0.00
14/08/2022 15:10	2.8	68	14	3.8	0.00
14/08/2022 15:20	2.9	71	12	3.6	0.00
14/08/2022 15:30	2.4	63	15	3.5	0.00
14/08/2022 15:40	2.4	55	18	3.6	0.00
14/08/2022 15:50	2.4	58	16	3.7	0.00
14/08/2022 16:00	2.6	66	13	3.8	0.00
14/08/2022 16:10	2.4	65	14	3.6	0.00
14/08/2022 16:20	2.4	60	14	3.4	0.00
14/08/2022 16:30	2.5	60	13	3.5	0.00
14/08/2022 16:40	2.4	57	13	3.2	0.00
14/08/2022 16:50	2.3	53	14	3.4	0.00
14/08/2022 17:00	2.3	55	14	3.2	0.00
14/08/2022 17:10	2.0	62	15	3.3	0.00
14/08/2022 17:20	1.5	61	16	2.4	0.00
14/08/2022 17:30	1.4	73	19	2.1	0.00
14/08/2022 17:40	1.4	81	21	2.1	0.00
14/08/2022 17:50	1.2	95	21	1.8	0.00
14/08/2022 18:00	1.0	128	25	1.8	0.00
14/08/2022 18:10	1.1	115	21	1.6	0.00
14/08/2022 18:20	1.1	112	17	1.6	0.00
14/08/2022 18:30	1.3	94	16	1.8	0.00
14/08/2022 18:40	1.3	99	22	1.9	0.00
14/08/2022 18:50	1.0	120	26	1.3	0.00
14/08/2022 19:00	1.0	168	20	1.2	0.00
14/08/2022 19:10	0.6	152	13	0.8	0.00
14/08/2022 19:20	0.4	169	6	0.8	0.00
14/08/2022 19:30	0.3	164	10	0.8	0.00



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/08/2022 19:40	0.7	143	8	1.0	0.00
14/08/2022 19:50	0.4	110	10	0.6	0.00
14/08/2022 20:00	0.6	96	12	0.9	0.00
14/08/2022 20:10	0.6	100	27	0.9	0.00
14/08/2022 20:20	0.2	134	15	0.7	0.00
14/08/2022 20:30	0.6	169	12	0.8	0.00
14/08/2022 20:40	0.6	197	16	0.8	0.00
14/08/2022 20:50					0.00
14/08/2022 21:00					0.00
14/08/2022 21:10					0.00
14/08/2022 21:20					0.00
14/08/2022 21:30	0.1	322	1	0.9	0.00
14/08/2022 21:40	0.2	144	25	0.8	0.00
14/08/2022 21:50	0.1	23	14	0.8	0.00
14/08/2022 22:00					0.00
14/08/2022 22:10					0.00
14/08/2022 22:20					0.00
14/08/2022 22:30	0.4	156	12	0.8	0.00
14/08/2022 22:40					0.00
14/08/2022 22:50					0.00
14/08/2022 23:00					0.00
14/08/2022 23:10					0.00
14/08/2022 23:20	0.3	328	1	0.8	0.00
14/08/2022 23:30	0.4	339	3	0.7	0.00
14/08/2022 23:40	0.4	334	7	0.8	0.00
14/08/2022 23:50	0.3	176	6	0.9	0.00
15/08/2022 00:00					0.00
15/08/2022 00:10	0.4	328	14	0.8	0.00
15/08/2022 00:20	0.5	343	22	1.2	0.00
15/08/2022 00:30	0.6	322	7	1.0	0.00
15/08/2022 00:40	1.0	326	6	1.3	0.00
15/08/2022 00:50	1.1	327	12	1.3	0.00
15/08/2022 01:00	0.6	319	17	1.1	0.00
15/08/2022 01:10	0.3	328	13	0.8	0.00
15/08/2022 01:20					0.00
15/08/2022 01:30					0.00
15/08/2022 01:40					0.00
15/08/2022 01:50	0.2	175	9	0.6	0.00
15/08/2022 02:00	1.1	347	14	1.5	0.00
15/08/2022 02:10	0.5	352	13	1.0	0.00
15/08/2022 02:20	0.2	175	7	0.7	0.00
15/08/2022 02:30	0.2	329	17	0.8	0.00
15/08/2022 02:40	0.0	303	6	0.5	0.00
15/08/2022 02:50	0.3	317	16	0.7	0.00
15/08/2022 03:00	0.2	302	7	0.7	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/08/2022 03:10					0.00
15/08/2022 03:20					0.00
15/08/2022 03:30					0.00
15/08/2022 03:40					0.00
15/08/2022 03:50	0.7	318	8	1.1	0.00
15/08/2022 04:00	0.9	316	14	1.1	0.00
15/08/2022 04:10	0.7	332	8	1.3	0.00
15/08/2022 04:20					0.00
15/08/2022 04:30	0.1	355	0	0.6	0.00
15/08/2022 04:40	0.6	342	8	0.9	0.00
15/08/2022 04:50					0.00
15/08/2022 05:00					0.00
15/08/2022 05:10					0.00
15/08/2022 05:20					0.00
15/08/2022 05:30					0.00
15/08/2022 05:40					0.00
15/08/2022 05:50					0.00
15/08/2022 06:00	0.2	323	9	0.9	0.00
15/08/2022 06:10	0.4	234	15	1.7	0.00
15/08/2022 06:20	1.6	120	23	2.4	0.00
15/08/2022 06:30	1.3	145	19	1.9	0.00
15/08/2022 06:40	1.5	134	26	2.2	0.00
15/08/2022 06:50	1.9	129	35	3.7	0.00
15/08/2022 07:00	2.3	144	16	3.4	0.00
15/08/2022 07:10	1.8	123	25	3.0	0.00
15/08/2022 07:20	2.1	113	18	3.1	0.00
15/08/2022 07:30	2.2	117	19	3.7	0.00
15/08/2022 07:40	2.4	130	19	3.4	0.00
15/08/2022 07:50	2.0	122	18	3.6	0.00
15/08/2022 08:00	2.5	118	18	3.8	0.00
15/08/2022 08:10	2.6	121	16	4.1	0.00
15/08/2022 08:20	2.7	125	14	4.1	0.00
15/08/2022 08:30	2.7	117	18	4.1	0.00
15/08/2022 08:40	2.7	110	14	4.0	0.00
15/08/2022 08:50	2.7	109	12	3.7	0.00
15/08/2022 09:00	2.9	110	11	4.0	0.00
15/08/2022 09:10	2.8	111	11	3.9	0.00
15/08/2022 09:20	2.2	106	15	3.2	0.00
15/08/2022 09:30	2.0	101	18	2.8	0.00
15/08/2022 09:40	2.0	109	15	2.8	0.00
15/08/2022 09:50	2.2	109	14	2.9	0.00
15/08/2022 10:00	2.1	88	21	2.9	0.00
15/08/2022 10:10	2.1	56	15	3.0	0.00
15/08/2022 10:20	2.1	46	13	2.8	0.00
15/08/2022 10:30	2.2	47	15	3.0	0.00





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/08/2022 10:40	2.2	59	17	3.0	0.00
15/08/2022 10:50	2.4	66	21	3.6	0.00
15/08/2022 11:00	2.6	74	20	3.8	0.00
15/08/2022 11:10	2.9	55	15	4.0	0.00
15/08/2022 11:20	2.9	64	15	4.3	0.00
15/08/2022 11:30	3.2	54	13	4.4	0.00
15/08/2022 11:40	3.9	47	12	5.4	0.00
15/08/2022 11:50	3.8	44	14	5.2	0.00
15/08/2022 12:00	3.8	46	12	5.0	0.00
15/08/2022 12:10	3.6	46	14	4.8	0.00
15/08/2022 12:20	3.6	55	12	4.8	0.00
15/08/2022 12:30	3.0	50	13	4.4	0.00
15/08/2022 12:40	2.8	54	13	4.1	0.00
15/08/2022 12:50	2.8	59	12	3.9	0.00
15/08/2022 13:00	2.8	56	15	4.0	0.00
15/08/2022 13:10	2.9	53	15	4.0	0.00
15/08/2022 13:20	3.2	51	12	4.3	0.00
15/08/2022 13:30	3.1	52	13	4.1	0.00
15/08/2022 13:40	2.8	61	15	3.9	0.00
15/08/2022 13:50	2.8	68	12	3.8	0.00
15/08/2022 14:00	2.6	66	15	3.5	0.00
15/08/2022 14:10	2.8	61	17	3.6	0.00
15/08/2022 14:20	2.7	62	18	4.2	0.00
15/08/2022 14:30	2.5	68	15	3.4	0.00
15/08/2022 14:40	2.4	68	15	3.2	0.00
15/08/2022 14:50	2.7	64	14	3.8	0.00
15/08/2022 15:00	2.7	66	17	4.0	0.00
15/08/2022 15:10	2.4	64	19	3.7	0.00
15/08/2022 15:20	2.1	66	19	3.2	0.00
15/08/2022 15:30	2.4	69	19	3.4	0.00
15/08/2022 15:40	2.4	67	17	3.5	0.00
15/08/2022 15:50	2.6	69	13	3.6	0.00
15/08/2022 16:00	2.3	67	14	3.6	0.00
15/08/2022 16:10	2.5	63	15	3.4	0.00
15/08/2022 16:20	3.1	43	14	4.8	0.00
15/08/2022 16:30	3.3	51	12	4.9	0.00
15/08/2022 16:40	3.0	51	14	4.8	0.00
15/08/2022 16:50	2.6	53	14	3.7	0.00
15/08/2022 17:00	2.1	65	16	3.3	0.00
15/08/2022 17:10	1.8	57	16	2.9	0.00
15/08/2022 17:20	2.0	52	16	2.9	0.00
15/08/2022 17:30	2.1	55	17	3.2	0.00
15/08/2022 17:40	2.1	66	13	2.8	0.00
15/08/2022 17:50	1.8	64	15	2.7	0.00
15/08/2022 18:00	1.5	70	24	2.4	0.00



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/08/2022 18:10	0.7	119	51	1.6	0.00
15/08/2022 18:20	0.8	97	27	1.3	0.00
15/08/2022 18:30	0.9	98	19	1.3	0.00
15/08/2022 18:40	0.9	98	23	1.4	0.00
15/08/2022 18:50	0.9	86	24	1.4	0.00
15/08/2022 19:00	0.4	110	21	1.1	0.00
15/08/2022 19:10	0.8	107	17	1.7	0.00
15/08/2022 19:20	1.0	94	18	1.4	0.00
15/08/2022 19:30	0.6	98	16	1.2	0.00
15/08/2022 19:40	0.7	113	16	1.2	0.00
15/08/2022 19:50	0.9	87	17	1.4	0.00
15/08/2022 20:00	0.9	90	23	1.6	0.00
15/08/2022 20:10	0.6	107	15	0.9	0.00
15/08/2022 20:20	0.6	114	23	1.2	0.00
15/08/2022 20:30	0.6	140	19	1.1	0.00
15/08/2022 20:40	0.9	117	21	1.6	0.00
15/08/2022 20:50	0.9	90	11	1.2	0.00
15/08/2022 21:00	0.8	94	11	1.2	0.00
15/08/2022 21:10	0.7	102	10	1.1	0.00
15/08/2022 21:20	0.7	101	8	1.0	0.00
15/08/2022 21:30	0.3	94	9	0.8	0.00
15/08/2022 21:40	0.7	92	9	1.1	0.00
15/08/2022 21:50	0.2	84	8	0.8	0.00
15/08/2022 22:00	0.2	79	8	0.6	0.00
15/08/2022 22:10	0.0	342	8	0.4	0.00
15/08/2022 22:20	0.1	0	14	0.6	0.00
15/08/2022 22:30	0.2	344	8	0.8	0.00
15/08/2022 22:40	0.1	350	8	0.9	0.00
15/08/2022 22:50	0.1	333	3	0.4	0.00
15/08/2022 23:00					0.00
15/08/2022 23:10					0.00
15/08/2022 23:20					0.00
15/08/2022 23:30	0.0	347	0	0.4	0.00
15/08/2022 23:40	0.5	166	12	1.2	0.00
15/08/2022 23:50	0.7	180	19	1.0	0.00
16/08/2022 00:00	0.7	331	16	1.1	0.00
16/08/2022 00:10	0.5	330	17	0.8	0.00
16/08/2022 00:20	0.7	331	12	0.9	0.00
16/08/2022 00:30	0.8	322	7	1.0	0.00
16/08/2022 00:40	0.1	345	1	0.8	0.00
16/08/2022 00:50	0.0	60	0	0.4	0.00
16/08/2022 01:00	0.2	81	11	1.1	0.00
16/08/2022 01:10					0.00
16/08/2022 01:20	0.0	66	3	0.5	0.00
16/08/2022 01:30	0.1	140	19	0.7	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/08/2022 01:40	0.5	183	14	0.9	0.00
16/08/2022 01:50	0.8	321	12	1.2	0.00
16/08/2022 02:00	0.3	300	13	0.8	0.00
16/08/2022 02:10	0.0	324	1	0.5	0.00
16/08/2022 02:20	0.3	322	4	0.8	0.00
16/08/2022 02:30	0.5	321	16	1.2	0.00
16/08/2022 02:40	0.2	242	5	0.8	0.00
16/08/2022 02:50	0.2	340	4	0.8	0.00
16/08/2022 03:00	0.1	116	6	0.5	0.00
16/08/2022 03:10	0.9	277	11	1.6	0.00
16/08/2022 03:20	1.2	200	17	2.2	0.00
16/08/2022 03:30	1.3	247	20	2.0	0.00
16/08/2022 03:40	1.7	296	7	2.0	0.00
16/08/2022 03:50	1.4	319	9	2.0	0.00
16/08/2022 04:00	1.1	312	13	1.6	0.00
16/08/2022 04:10	0.3	307	12	1.1	0.00
16/08/2022 04:20	1.0	325	12	1.6	0.00
16/08/2022 04:30	0.5	337	11	1.0	0.00
16/08/2022 04:40	0.0	300	3	0.5	0.00
16/08/2022 04:50	0.1	162	22	0.6	0.00
16/08/2022 05:00	0.2	182	12	0.7	0.00
16/08/2022 05:10	0.4	92	12	0.9	0.00
16/08/2022 05:20	0.4	230	6	0.9	0.00
16/08/2022 05:30	0.0	259	2	0.6	0.00
16/08/2022 05:40					0.00
16/08/2022 05:50					0.00
16/08/2022 06:00					0.00
16/08/2022 06:10	0.2	308	29	0.7	0.00
16/08/2022 06:20	0.3	341	9	0.7	0.00
16/08/2022 06:30	0.5	308	24	0.8	0.00
16/08/2022 06:40	0.5	186	7	0.9	0.00
16/08/2022 06:50					0.00
16/08/2022 07:00					0.00
16/08/2022 07:10	0.3	15	9	0.8	0.00
16/08/2022 07:20	0.1	173	8	0.5	0.00
16/08/2022 07:30	0.4	178	11	0.8	0.00
16/08/2022 07:40	0.2	174	4	0.7	0.00
16/08/2022 07:50	0.1	192	6	0.5	0.00
16/08/2022 08:00	0.7	41	23	1.2	0.00
16/08/2022 08:10	1.0	44	19	1.6	0.00
16/08/2022 08:20	1.7	59	16	2.5	0.00
16/08/2022 08:30	1.8	55	14	2.4	0.00
16/08/2022 08:40	2.2	55	14	2.8	0.00
16/08/2022 08:50	2.0	61	15	2.8	0.00
16/08/2022 09:00	2.3	55	16	2.9	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/08/2022 09:10	2.3	67	12	3.1	0.00
16/08/2022 09:20	2.3	72	14	3.0	0.00
16/08/2022 09:30	2.2	61	18	2.9	0.00
16/08/2022 09:40	2.0	64	20	2.9	0.00
16/08/2022 09:50	2.3	61	16	3.2	0.00
16/08/2022 10:00	2.4	58	12	3.0	0.00
16/08/2022 10:10	2.5	63	16	3.6	0.00
16/08/2022 10:20	2.6	63	13	3.4	0.00
16/08/2022 10:30	2.8	59	14	3.6	0.00
16/08/2022 10:40	2.9	66	13	4.0	0.00
16/08/2022 10:50	2.9	66	13	3.8	0.00
16/08/2022 11:00	2.9	63	14	3.7	0.00
16/08/2022 11:10	3.1	62	11	4.0	0.00
16/08/2022 11:20	3.0	66	14	3.9	0.00
16/08/2022 11:30	3.0	56	14	4.0	0.00
16/08/2022 11:40	3.4	62	12	4.3	0.00
16/08/2022 11:50	3.3	65	12	4.3	0.00
16/08/2022 12:00	3.2	66	11	4.4	0.00
16/08/2022 12:10	2.9	65	11	3.9	0.00
16/08/2022 12:20	3.3	62	11	4.0	0.00
16/08/2022 12:30	2.8	63	17	4.0	0.00
16/08/2022 12:40	2.8	67	14	3.7	0.00
16/08/2022 12:50	3.0	65	15	4.0	0.00
16/08/2022 13:00	3.1	55	17	4.5	0.00
16/08/2022 13:10	3.4	54	14	4.6	0.00
16/08/2022 13:20	3.1	69	16	4.8	0.00
16/08/2022 13:30	2.9	72	20	4.4	0.00
16/08/2022 13:40	3.2	53	20	4.6	0.00
16/08/2022 13:50	3.2	65	18	4.3	0.00
16/08/2022 14:00	3.2	75	20	4.6	0.00
16/08/2022 14:10	2.9	72	18	4.4	0.00
16/08/2022 14:20	2.8	197	34	4.4	0.00
16/08/2022 14:30	3.1	59	18	4.6	0.00
16/08/2022 14:40	2.9	57	19	4.5	0.00
16/08/2022 14:50	3.0	55	20	4.8	0.00
16/08/2022 15:00	2.5	60	23	3.9	0.00
16/08/2022 15:10	2.2	74	16	3.2	0.00
16/08/2022 15:20	1.8	77	32	2.8	0.00
16/08/2022 15:30	1.6	40	22	2.4	0.00
16/08/2022 15:40	1.8	173	34	3.2	0.00
16/08/2022 15:50	2.5	37	33	3.6	0.00
16/08/2022 16:00	2.1	74	18	2.8	0.00
16/08/2022 16:10	1.3	191	31	2.2	0.00
16/08/2022 16:20	1.5	35	42	2.3	0.00
16/08/2022 16:30	1.5	332	31	2.4	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/08/2022 16:40	1.4	164	34	2.7	0.00
16/08/2022 16:50	1.0	86	39	1.8	0.00
16/08/2022 17:00	1.4	307	44	2.3	0.00
16/08/2022 17:10	1.6	283	26	2.4	0.00
16/08/2022 17:20	1.6	279	21	2.4	0.00
16/08/2022 17:30	1.4	267	26	2.2	0.00
16/08/2022 17:40	1.8	265	22	2.8	0.00
16/08/2022 17:50	1.6	289	24	2.7	0.00
16/08/2022 18:00	1.6	276	27	2.6	0.00
16/08/2022 18:10	1.5	287	23	2.2	0.00
16/08/2022 18:20	1.7	324	16	2.5	0.00
16/08/2022 18:30	1.3	306	23	2.3	0.00
16/08/2022 18:40	2.1	323	15	3.1	0.00
16/08/2022 18:50	2.0	304	20	3.2	0.00
16/08/2022 19:00	1.5	307	24	2.8	0.00
16/08/2022 19:10	1.3	279	23	2.0	0.00
16/08/2022 19:20	1.6	264	20	2.3	0.00
16/08/2022 19:30	1.8	265	16	2.6	0.00
16/08/2022 19:40	1.6	260	26	2.8	0.00
16/08/2022 19:50	2.1	266	19	3.4	0.00
16/08/2022 20:00	2.1	276	17	3.1	0.00
16/08/2022 20:10	2.2	269	21	3.5	0.00
16/08/2022 20:20	1.6	268	18	2.6	0.00
16/08/2022 20:30	1.9	266	19	2.8	0.00
16/08/2022 20:40	1.6	268	28	2.8	0.00
16/08/2022 20:50	1.6	265	22	2.7	0.00
16/08/2022 21:00	1.8	273	19	2.7	0.00
16/08/2022 21:10	1.8	270	20	2.7	0.00
16/08/2022 21:20	1.6	271	29	2.6	0.00
16/08/2022 21:30	1.5	269	33	2.8	0.00
16/08/2022 21:40	1.3	263	32	2.6	0.00
16/08/2022 21:50	1.7	268	18	2.6	0.00
16/08/2022 22:00	1.4	274	19	2.3	0.00
16/08/2022 22:10	0.8	288	21	1.7	0.00
16/08/2022 22:20	0.9	228	44	1.8	0.00
16/08/2022 22:30	0.8	234	32	1.6	0.00
16/08/2022 22:40	0.7	209	36	1.1	0.00
16/08/2022 22:50	0.8	240	29	1.4	0.00
16/08/2022 23:00	1.0	263	21	1.8	0.00
16/08/2022 23:10	1.0	264	25	1.8	0.00
16/08/2022 23:20	1.2	254	31	2.0	0.00
16/08/2022 23:30	0.8	237	27	1.4	0.00
16/08/2022 23:40	0.4	299	30	1.2	0.00
16/08/2022 23:50	0.7	222	28	1.9	0.00
17/08/2022 00:00	1.3	219	23	2.0	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/08/2022 00:10	0.7	253	44	1.5	0.00
17/08/2022 00:20	1.1	267	38	1.8	0.00
17/08/2022 00:30	0.6	188	52	1.2	0.00
17/08/2022 00:40	0.6	220	40	1.3	0.00
17/08/2022 00:50	0.8	286	31	1.8	0.00
17/08/2022 01:00	0.8	268	48	1.5	0.00
17/08/2022 01:10	0.7	230	66	2.0	0.00
17/08/2022 01:20	0.6	215	48	1.2	0.00
17/08/2022 01:30	0.4	194	53	1.2	0.00
17/08/2022 01:40	0.6	276	44	1.6	0.00
17/08/2022 01:50	0.7	249	55	1.4	0.00
17/08/2022 02:00	0.3	193	28	1.2	0.00
17/08/2022 02:10	0.6	174	24	1.5	0.00
17/08/2022 02:20	0.8	186	27	1.6	0.00
17/08/2022 02:30	0.7	176	53	1.6	0.00
17/08/2022 02:40	0.9	210	36	1.9	0.00
17/08/2022 02:50	1.1	197	30	2.0	0.00
17/08/2022 03:00	0.7	191	40	2.1	0.00
17/08/2022 03:10	1.3	215	39	2.5	0.00
17/08/2022 03:20	1.8	213	28	3.2	0.00
17/08/2022 03:30	1.8	192	22	3.2	0.00
17/08/2022 03:40	2.2	194	14	3.2	0.00
17/08/2022 03:50	1.9	193	15	2.9	0.00
17/08/2022 04:00	1.7	194	17	2.8	0.00
17/08/2022 04:10	1.2	220	41	1.8	0.00
17/08/2022 04:20	1.0	205	29	2.0	0.00
17/08/2022 04:30	1.3	232	40	2.4	0.00
17/08/2022 04:40	1.2	227	34	2.4	0.00
17/08/2022 04:50	1.1	190	32	2.0	0.00
17/08/2022 05:00	0.5	298	33	1.6	0.00
17/08/2022 05:10	1.0	311	11	1.4	0.00
17/08/2022 05:20	1.4	299	7	1.8	0.00
17/08/2022 05:30	1.3	298	7	1.7	0.00
17/08/2022 05:40	1.3	294	10	1.6	0.00
17/08/2022 05:50	1.0	229	29	2.0	0.00
17/08/2022 06:00	1.3	252	42	2.2	0.00
17/08/2022 06:10	1.3	291	22	1.7	0.00
17/08/2022 06:20	1.7	299	10	2.4	0.00
17/08/2022 06:30	1.5	297	10	2.0	0.00
17/08/2022 06:40	1.1	229	27	2.4	0.00
17/08/2022 06:50	2.1	202	23	3.6	0.00
17/08/2022 07:00	1.7	199	18	2.7	0.00
17/08/2022 07:10	1.6	209	22	2.4	0.00
17/08/2022 07:20	1.4	209	25	2.4	0.00
17/08/2022 07:30	1.9	194	18	2.9	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/08/2022 07:40	2.2	194	18	3.3	0.00
17/08/2022 07:50	2.6	197	16	3.7	0.00
17/08/2022 08:00	3.0	190	17	4.2	0.00
17/08/2022 08:10	2.8	202	17	4.0	0.00
17/08/2022 08:20	2.9	202	23	4.5	0.00
17/08/2022 08:30	2.9	204	21	4.4	0.00
17/08/2022 08:40	3.4	202	17	4.8	0.00
17/08/2022 08:50	3.5	202	18	5.2	0.00
17/08/2022 09:00	3.1	204	19	4.8	0.00
17/08/2022 09:10	4.1	201	16	6.4	0.00
17/08/2022 09:20	3.6	198	17	5.5	0.00
17/08/2022 09:30	3.4	202	17	5.2	0.00
17/08/2022 09:40	4.2	203	19	5.8	0.00
17/08/2022 09:50	3.9	196	18	6.0	0.00
17/08/2022 10:00	3.8	190	16	5.7	0.00
17/08/2022 10:10	3.5	194	19	5.4	0.00
17/08/2022 10:20	3.6	204	15	5.7	0.00
17/08/2022 10:30	3.2	208	26	5.0	0.00
17/08/2022 10:40	3.5	205	20	5.4	0.00
17/08/2022 10:50	4.4	194	15	5.9	0.00
17/08/2022 11:00	3.9	202	18	6.1	0.00
17/08/2022 11:10	3.7	203	17	5.5	0.00
17/08/2022 11:20	3.9	198	23	5.8	0.00
17/08/2022 11:30	3.5	205	18	5.9	0.00
17/08/2022 11:40	3.7	204	23	5.3	0.00
17/08/2022 11:50	3.4	211	27	5.4	0.00
17/08/2022 12:00	3.4	211	20	5.6	0.00
17/08/2022 12:10	3.6	199	18	6.3	0.00
17/08/2022 12:20	3.0	226	31	5.2	0.00
17/08/2022 12:30	3.3	219	31	5.4	0.00
17/08/2022 12:40	3.3	274	28	5.4	0.00
17/08/2022 12:50	4.1	275	23	6.4	0.00
17/08/2022 13:00	3.5	276	24	6.1	0.00
17/08/2022 13:10	3.8	267	19	6.0	0.00
17/08/2022 13:20	4.0	279	20	6.2	0.00
17/08/2022 13:30	3.9	284	20	5.8	0.00
17/08/2022 13:40	3.8	276	24	6.7	0.00
17/08/2022 13:50	3.7	278	24	6.0	0.00
17/08/2022 14:00	4.1	276	21	6.1	0.00
17/08/2022 14:10	3.7	268	21	6.4	0.00
17/08/2022 14:20	3.8	269	22	6.1	0.00
17/08/2022 14:30	2.9	277	31	5.5	0.00
17/08/2022 14:40	4.3	270	22	6.5	0.00
17/08/2022 14:50	4.0	273	19	6.3	0.00
17/08/2022 15:00	3.7	271	22	5.9	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/08/2022 15:10	4.2	278	20	6.3	0.00
17/08/2022 15:20	4.3	270	20	6.2	0.00
17/08/2022 15:30	4.0	275	22	5.9	0.00
17/08/2022 15:40	4.0	281	17	6.0	0.00
17/08/2022 15:50	4.2	279	19	6.0	0.00
17/08/2022 16:00	3.7	277	20	6.0	0.00
17/08/2022 16:10	3.7	275	20	5.9	0.00
17/08/2022 16:20	3.1	280	23	5.2	0.00
17/08/2022 16:30	3.9	282	17	5.8	0.00
17/08/2022 16:40	3.4	276	20	5.8	0.00
17/08/2022 16:50	3.1	263	33	5.0	0.00
17/08/2022 17:00	2.9	266	39	5.8	0.00
17/08/2022 17:10	3.1	275	30	5.8	0.00
17/08/2022 17:20	3.4	276	26	6.0	0.00
17/08/2022 17:30	3.1	282	18	4.8	0.00
17/08/2022 17:40	2.7	278	34	4.8	0.00
17/08/2022 17:50	2.4	262	43	4.8	0.00
17/08/2022 18:00	2.0	249	61	4.0	0.00
17/08/2022 18:10	2.1	261	64	3.4	0.00
17/08/2022 18:20	2.7	251	35	5.6	0.00
17/08/2022 18:30	1.7	199	51	3.4	0.00
17/08/2022 18:40	1.8	207	73	3.6	0.00
17/08/2022 18:50	2.0	225	47	4.1	0.00
17/08/2022 19:00	1.8	208	57	3.5	0.00
17/08/2022 19:10	2.1	229	45	4.1	0.00
17/08/2022 19:20	1.8	221	53	3.3	0.00
17/08/2022 19:30	2.1	244	43	4.6	0.00
17/08/2022 19:40	1.7	242	50	3.9	0.00
17/08/2022 19:50	2.2	247	38	4.0	0.00
17/08/2022 20:00	1.7	257	49	3.2	0.00
17/08/2022 20:10	1.7	247	54	3.3	0.00
17/08/2022 20:20	1.5	221	64	4.2	0.00
17/08/2022 20:30	1.9	247	45	3.9	0.00
17/08/2022 20:40	1.8	240	46	3.4	0.00
17/08/2022 20:50	1.9	249	46	3.7	0.00
17/08/2022 21:00	1.9	258	47	4.3	0.00
17/08/2022 21:10	1.9	270	43	3.4	0.00
17/08/2022 21:20	1.6	252	65	3.0	0.00
17/08/2022 21:30	1.8	211	58	3.8	0.00
17/08/2022 21:40	2.0	208	44	4.4	0.00
17/08/2022 21:50	2.0	195	41	3.6	0.00
17/08/2022 22:00	1.4	201	58	2.6	0.00
17/08/2022 22:10	1.9	210	35	3.6	0.00
17/08/2022 22:20	2.5	220	30	4.5	0.00
17/08/2022 22:30	2.2	216	32	3.8	0.00





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/08/2022 22:40	2.6	223	28	4.0	0.00
17/08/2022 22:50	2.7	224	29	4.3	0.00
17/08/2022 23:00	2.3	216	33	4.3	0.00
17/08/2022 23:10	2.4	220	33	4.3	0.00
17/08/2022 23:20	2.4	218	35	4.0	0.00
17/08/2022 23:30	2.1	223	35	3.7	0.00
17/08/2022 23:40	2.3	224	29	3.9	0.00
17/08/2022 23:50	2.2	225	35	3.7	0.00
18/08/2022 00:00	1.9	234	41	3.1	0.00
18/08/2022 00:10	2.4	234	31	4.2	0.00
18/08/2022 00:20	2.0	222	37	3.5	0.00
18/08/2022 00:30	1.6	249	44	3.2	0.00
18/08/2022 00:40	1.8	226	37	3.6	0.00
18/08/2022 00:50	1.9	236	39	4.0	0.00
18/08/2022 01:00	2.3	225	35	4.4	0.00
18/08/2022 01:10	2.4	235	28	4.1	0.00
18/08/2022 01:20	2.4	236	29	4.0	0.00
18/08/2022 01:30	2.8	238	28	4.8	0.00
18/08/2022 01:40	2.4	226	32	4.4	0.00
18/08/2022 01:50	2.7	230	32	4.3	0.00
18/08/2022 02:00	2.3	218	29	4.0	0.00
18/08/2022 02:10	3.0	231	27	4.7	0.00
18/08/2022 02:20	2.9	211	30	4.3	0.00
18/08/2022 02:30	3.0	213	26	4.8	0.00
18/08/2022 02:40	3.4	209	24	5.4	0.00
18/08/2022 02:50	3.7	209	21	5.7	0.00
18/08/2022 03:00	3.7	202	18	5.6	0.00
18/08/2022 03:10	3.6	210	23	5.4	0.00
18/08/2022 03:20	3.7	202	16	5.6	0.00
18/08/2022 03:30	4.1	208	17	6.0	0.00
18/08/2022 03:40	3.4	208	22	5.9	0.00
18/08/2022 03:50	3.6	202	20	5.7	0.00
18/08/2022 04:00	3.7	207	20	5.5	0.00
18/08/2022 04:10	3.3	210	21	5.0	0.00
18/08/2022 04:20	3.4	208	18	5.4	0.00
18/08/2022 04:30	4.0	206	17	6.1	0.00
18/08/2022 04:40	3.9	204	18	5.3	0.00
18/08/2022 04:50	3.7	209	16	5.3	0.00
18/08/2022 05:00	3.9	204	12	5.4	0.00
18/08/2022 05:10	4.0	206	15	5.8	0.00
18/08/2022 05:20	4.1	203	13	5.6	0.00
18/08/2022 05:30	3.9	201	13	5.7	0.00
18/08/2022 05:40	4.3	203	14	5.6	0.00
18/08/2022 05:50	4.2	203	12	5.6	0.00
18/08/2022 06:00	4.4	199	12	5.8	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/08/2022 06:10	4.9	195	11	6.8	0.00
18/08/2022 06:20	5.5	195	11	7.5	0.00
18/08/2022 06:30	5.7	193	12	7.5	0.00
18/08/2022 06:40	5.4	194	11	7.4	0.00
18/08/2022 06:50	5.6	195	10	7.4	0.00
18/08/2022 07:00	5.4	194	11	7.9	0.00
18/08/2022 07:10	5.1	192	11	7.6	0.00
18/08/2022 07:20	5.0	190	14	7.2	0.00
18/08/2022 07:30	4.4	193	12	6.5	0.00
18/08/2022 07:40	4.1	191	13	5.7	0.00
18/08/2022 07:50	3.8	188	18	5.4	0.00
18/08/2022 08:00	3.5	189	16	5.2	0.00
18/08/2022 08:10	2.1	180	25	4.2	0.00
18/08/2022 08:20	1.9	169	36	4.4	0.00
18/08/2022 08:30	2.7	145	25	4.2	0.00
18/08/2022 08:40	2.6	149	20	4.4	0.00
18/08/2022 08:50	2.7	152	21	3.9	0.00
18/08/2022 09:00	2.5	149	21	4.0	0.00
18/08/2022 09:10	2.3	156	20	3.6	0.00
18/08/2022 09:20	2.3	152	26	4.0	0.00
18/08/2022 09:30	2.4	155	23	4.0	0.00
18/08/2022 09:40	2.7	159	23	4.3	0.00
18/08/2022 09:50	2.5	138	33	4.1	0.00
18/08/2022 10:00	2.7	130	23	4.0	0.00
18/08/2022 10:10	2.8	127	29	4.8	0.00
18/08/2022 10:20	3.0	134	23	5.4	0.00
18/08/2022 10:30	2.8	140	26	4.6	0.00
18/08/2022 10:40	2.5	130	34	4.1	0.00
18/08/2022 10:50	2.1	127	35	3.7	0.00
18/08/2022 11:00	2.1	100	25	3.2	0.00
18/08/2022 11:10	2.0	92	39	3.0	0.00
18/08/2022 11:20	2.2	59	26	3.2	0.00
18/08/2022 11:30	2.3	52	17	3.2	0.00
18/08/2022 11:40	2.5	47	19	3.4	0.00
18/08/2022 11:50	2.7	51	17	3.8	0.00
18/08/2022 12:00	3.1	49	14	4.0	0.00
18/08/2022 12:10	3.4	47	14	4.6	0.00
18/08/2022 12:20	3.7	42	9	4.7	0.00
18/08/2022 12:30	3.6	45	14	4.9	0.00
18/08/2022 12:40	3.5	49	13	4.7	0.00
18/08/2022 12:50	3.3	48	14	4.5	0.00
18/08/2022 13:00	3.7	47	13	4.8	0.00
18/08/2022 13:10	3.2	50	14	4.4	0.00
18/08/2022 13:20	3.1	44	13	4.1	0.00
18/08/2022 13:30	3.1	54	14	3.9	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/08/2022 13:40	3.0	48	14	3.6	0.00
18/08/2022 13:50	3.0	51	10	3.7	0.00
18/08/2022 14:00	2.6	59	15	3.2	0.00
18/08/2022 14:10	2.7	59	14	3.6	0.00
18/08/2022 14:20	2.8	55	13	3.8	0.00
18/08/2022 14:30	2.9	56	11	3.4	0.00
18/08/2022 14:40	3.1	50	10	3.8	0.00
18/08/2022 14:50	2.8	59	13	3.6	0.00
18/08/2022 15:00	2.3	63	13	3.1	0.00
18/08/2022 15:10	2.8	64	11	3.4	0.00
18/08/2022 15:20	2.5	67	12	3.2	0.00
18/08/2022 15:30	2.4	62	17	3.2	0.00
18/08/2022 15:40	2.1	54	15	2.8	0.00
18/08/2022 15:50	2.1	54	15	2.8	0.00
18/08/2022 16:00	2.2	33	43	3.3	0.00
18/08/2022 16:10	2.2	279	22	3.6	0.00
18/08/2022 16:20	2.5	266	22	4.0	0.00
18/08/2022 16:30	2.3	268	23	3.7	0.00
18/08/2022 16:40	2.6	273	24	3.6	0.00
18/08/2022 16:50	2.3	274	23	3.8	0.00
18/08/2022 17:00	2.2	274	26	3.3	0.00
18/08/2022 17:10	2.1	264	30	3.1	0.00
18/08/2022 17:20	2.4	278	21	3.6	0.00
18/08/2022 17:30	2.0	271	21	3.2	0.00
18/08/2022 17:40	1.9	258	27	3.2	0.00
18/08/2022 17:50	2.2	272	19	3.6	0.00
18/08/2022 18:00	2.5	270	16	3.6	0.00
18/08/2022 18:10	2.4	271	15	3.5	0.00
18/08/2022 18:20	2.5	274	20	3.6	0.00
18/08/2022 18:30	2.0	277	18	3.2	0.00
18/08/2022 18:40	2.0	268	25	3.2	0.00
18/08/2022 18:50	2.5	270	21	3.6	0.00
18/08/2022 19:00	1.5	255	36	2.9	0.00
18/08/2022 19:10	2.0	269	20	3.1	0.00
18/08/2022 19:20	2.3	275	19	3.6	0.00
18/08/2022 19:30	1.4	255	40	2.6	0.00
18/08/2022 19:40	1.8	220	41	2.9	0.00
18/08/2022 19:50	2.0	221	27	3.6	0.00
18/08/2022 20:00	1.3	236	29	2.2	0.00
18/08/2022 20:10	1.5	231	25	2.7	0.00
18/08/2022 20:20	1.7	234	23	2.6	0.00
18/08/2022 20:30	1.0	238	36	2.1	0.00
18/08/2022 20:40	1.0	225	31	1.6	0.00
18/08/2022 20:50	1.3	272	23	2.0	0.00
18/08/2022 21:00	1.6	244	20	2.3	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/08/2022 21:10	1.8	257	16	2.8	0.00
18/08/2022 21:20	1.8	254	12	2.6	0.00
18/08/2022 21:30	2.1	250	16	3.0	0.00
18/08/2022 21:40	2.3	260	14	3.4	0.00
18/08/2022 21:50	2.9	254	18	4.5	0.00
18/08/2022 22:00	2.8	263	18	4.6	0.00
18/08/2022 22:10	2.2	264	30	3.9	0.00
18/08/2022 22:20	1.7	178	65	3.4	0.00
18/08/2022 22:30	3.1	200	25	5.0	0.00
18/08/2022 22:40	4.8	199	10	6.4	0.00
18/08/2022 22:50	4.5	194	10	6.0	0.00
18/08/2022 23:00	3.9	196	12	5.6	0.00
18/08/2022 23:10	4.0	196	11	5.3	0.00
18/08/2022 23:20	4.2	195	8	5.6	0.00
18/08/2022 23:30	4.2	196	8	5.2	0.00
18/08/2022 23:40	3.7	195	11	5.2	0.00
18/08/2022 23:50	2.7	173	24	4.7	0.00
19/08/2022 00:00	3.0	153	21	5.5	0.00
19/08/2022 00:10	3.7	150	22	5.5	0.00
19/08/2022 00:20	3.5	144	29	6.0	0.00
19/08/2022 00:30	3.9	120	33	7.7	0.00
19/08/2022 00:40	4.2	118	24	7.0	0.00
19/08/2022 00:50	3.1	90	23	6.7	0.00
19/08/2022 01:00	2.3	92	28	4.0	0.00
19/08/2022 01:10	2.1	85	24	4.3	0.00
19/08/2022 01:20	1.8	90	21	3.0	0.00
19/08/2022 01:30	1.7	80	17	2.5	0.00
19/08/2022 01:40	1.7	87	24	2.9	0.00
19/08/2022 01:50	1.8	107	35	3.9	0.00
19/08/2022 02:00	2.9	93	24	5.4	0.00
19/08/2022 02:10	3.9	90	21	7.0	0.00
19/08/2022 02:20	3.7	104	22	6.4	0.00
19/08/2022 02:30	3.9	106	24	6.5	0.00
19/08/2022 02:40	4.0	111	27	6.7	0.00
19/08/2022 02:50	4.4	103	22	8.2	0.00
19/08/2022 03:00	4.5	103	25	7.2	0.00
19/08/2022 03:10	4.3	100	21	8.1	0.00
19/08/2022 03:20	4.5	100	26	7.1	0.00
19/08/2022 03:30	4.5	102	24	8.8	0.00
19/08/2022 03:40	4.6	102	25	7.7	0.00
19/08/2022 03:50	4.9	101	23	9.4	0.00
19/08/2022 04:00	5.0	91	22	8.8	0.00
19/08/2022 04:10	5.1	93	20	8.9	0.00
19/08/2022 04:20	4.5	96	26	7.8	0.00
19/08/2022 04:30	5.0	106	22	9.5	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/08/2022 04:40	5.2	102	24	8.3	0.00
19/08/2022 04:50	5.2	105	24	9.9	0.00
19/08/2022 05:00	5.6	101	25	9.9	0.00
19/08/2022 05:10	5.4	100	23	11.2	0.00
19/08/2022 05:20	5.3	109	25	9.6	0.00
19/08/2022 05:30	5.7	106	24	9.2	0.00
19/08/2022 05:40	5.8	99	26	9.4	0.00
19/08/2022 05:50	5.0	108	26	8.2	0.00
19/08/2022 06:00	5.0	101	26	9.4	0.00
19/08/2022 06:10	5.3	95	24	8.7	0.00
19/08/2022 06:20	5.1	95	23	8.6	0.00
19/08/2022 06:30	4.7	115	22	7.4	0.00
19/08/2022 06:40	5.4	117	28	8.5	0.00
19/08/2022 06:50	5.2	108	21	8.7	0.00
19/08/2022 07:00	4.7	112	25	8.5	0.00
19/08/2022 07:10	4.9	113	24	8.2	0.00
19/08/2022 07:20	4.5	118	30	8.7	0.00
19/08/2022 07:30	5.1	110	18	8.2	0.00
19/08/2022 07:40	5.0	102	22	8.9	0.00
19/08/2022 07:50	4.9	114	25	7.9	0.00
19/08/2022 08:00	5.3	107	26	10.7	0.00
19/08/2022 08:10	5.3	105	23	9.5	0.00
19/08/2022 08:20	5.6	118	22	8.7	0.00
19/08/2022 08:30	6.0	115	22	10.6	0.00
19/08/2022 08:40	6.0	111	21	10.3	0.00
19/08/2022 08:50	5.8	103	25	9.9	0.00
19/08/2022 09:00	5.6	101	26	9.1	0.00
19/08/2022 09:10	5.1	101	24	8.5	0.00
19/08/2022 09:20	5.0	102	24	8.9	0.00
19/08/2022 09:30	5.6	105	22	10.3	0.00
19/08/2022 09:40	5.5	99	23	8.5	0.00
19/08/2022 09:50	5.5	90	20	9.7	0.00
19/08/2022 10:00	5.9	83	20	9.3	0.00
19/08/2022 10:10	5.1	88	20	7.9	0.00
19/08/2022 10:20	4.9	102	28	8.3	0.00
19/08/2022 10:30	4.4	101	25	7.1	0.00
19/08/2022 10:40	4.1	103	27	7.5	0.00
19/08/2022 10:50	4.4	95	26	7.2	0.00
19/08/2022 11:00	4.5	104	23	8.3	0.00
19/08/2022 11:10	4.8	98	22	7.8	0.00
19/08/2022 11:20	4.5	96	23	7.4	0.00
19/08/2022 11:30	4.7	86	20	7.2	0.00
19/08/2022 11:40	4.9	87	16	8.1	0.00
19/08/2022 11:50	4.5	85	16	6.8	0.00
19/08/2022 12:00	4.7	80	14	6.8	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/08/2022 12:10	4.8	81	15	7.4	0.00
19/08/2022 12:20	4.2	81	14	5.9	0.00
19/08/2022 12:30	4.1	86	21	5.9	0.00
19/08/2022 12:40	4.0	74	15	6.0	0.00
19/08/2022 12:50	3.7	70	17	5.2	0.00
19/08/2022 13:00	4.7	56	11	6.5	0.00
19/08/2022 13:10	4.8	57	12	6.4	0.00
19/08/2022 13:20	3.9	62	18	5.9	0.00
19/08/2022 13:30	4.6	60	12	6.4	0.00
19/08/2022 13:40	4.6	60	10	6.1	0.00
19/08/2022 13:50	4.5	60	10	6.3	0.00
19/08/2022 14:00	4.2	60	11	5.9	0.00
19/08/2022 14:10	4.1	60	12	5.7	0.00
19/08/2022 14:20	3.8	52	13	5.4	0.00
19/08/2022 14:30	3.8	50	12	5.2	0.00
19/08/2022 14:40	3.7	52	12	5.0	0.00
19/08/2022 14:50	3.6	49	11	5.0	0.00
19/08/2022 15:00	3.5	53	14	5.0	0.00
19/08/2022 15:10	3.4	54	14	4.7	0.00
19/08/2022 15:20	3.4	50	13	4.7	0.00
19/08/2022 15:30	3.1	51	16	4.4	0.00
19/08/2022 15:40	3.2	52	13	4.5	0.00
19/08/2022 15:50	2.9	49	13	4.3	0.00
19/08/2022 16:00	2.9	47	13	3.9	0.00
19/08/2022 16:10	2.8	52	14	4.3	0.00
19/08/2022 16:20	2.9	47	13	4.1	0.00
19/08/2022 16:30	2.3	54	17	3.4	0.00
19/08/2022 16:40	2.1	59	17	3.2	0.00
19/08/2022 16:50	2.0	69	17	3.0	0.00
19/08/2022 17:00	1.4	78	20	2.5	0.00
19/08/2022 17:10	1.4	91	22	2.3	0.00
19/08/2022 17:20	1.6	75	22	2.3	0.00
19/08/2022 17:30	1.2	84	23	1.7	0.00
19/08/2022 17:40	1.1	87	20	1.8	0.00
19/08/2022 17:50	0.9	95	18	1.4	0.00
19/08/2022 18:00	1.1	107	16	1.6	0.00
19/08/2022 18:10	0.8	98	17	1.1	0.00
19/08/2022 18:20	0.7	101	15	1.1	0.00
19/08/2022 18:30	0.3	79	13	0.9	0.00
19/08/2022 18:40	0.4	151	8	0.8	0.00
19/08/2022 18:50					0.00
19/08/2022 19:00					0.00
19/08/2022 19:10					0.00
19/08/2022 19:20					0.00
19/08/2022 19:30	0.2	11	2	0.8	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/08/2022 19:40	0.2	355	10	0.8	0.00
19/08/2022 19:50	0.5	333	16	0.8	0.00
19/08/2022 20:00	0.0	334	4	0.6	0.00
19/08/2022 20:10	0.8	326	27	1.1	0.00
19/08/2022 20:20	0.6	345	59	1.3	0.00
19/08/2022 20:30	0.9	344	34	1.5	0.00
19/08/2022 20:40	0.9	54	71	1.6	0.00
19/08/2022 20:50	1.0	78	46	2.1	0.00
19/08/2022 21:00	1.5	94	35	2.7	0.00
19/08/2022 21:10	2.6	141	29	4.3	0.00
19/08/2022 21:20	2.5	157	24	4.1	0.00
19/08/2022 21:30	2.9	153	20	4.8	0.00
19/08/2022 21:40	2.5	159	22	4.5	0.00
19/08/2022 21:50	2.8	157	25	4.3	0.00
19/08/2022 22:00	3.1	153	22	5.5	0.00
19/08/2022 22:10	3.5	136	32	6.5	0.00
19/08/2022 22:20	2.7	140	31	5.6	0.00
19/08/2022 22:30	2.7	152	24	4.1	0.00
19/08/2022 22:40	2.0	150	27	3.4	0.00
19/08/2022 22:50	3.2	131	28	5.5	0.00
19/08/2022 23:00	3.3	137	27	5.9	0.00
19/08/2022 23:10	2.6	138	32	5.1	0.00
19/08/2022 23:20	2.6	135	34	5.2	0.00
19/08/2022 23:30	2.8	144	25	5.7	0.00
19/08/2022 23:40	2.8	141	25	4.8	0.00
19/08/2022 23:50	2.8	142	26	5.0	0.00
20/08/2022 00:00	2.6	141	24	4.0	0.00
20/08/2022 00:10	2.3	135	28	3.7	0.00
20/08/2022 00:20	3.0	132	26	5.4	0.00
20/08/2022 00:30	3.2	144	21	5.9	0.00
20/08/2022 00:40	3.4	147	22	7.2	0.00
20/08/2022 00:50	2.9	143	35	5.4	0.00
20/08/2022 01:00	3.0	117	38	7.4	0.00
20/08/2022 01:10	3.9	118	29	7.8	0.00
20/08/2022 01:20	3.3	116	25	6.7	0.00
20/08/2022 01:30	2.9	102	31	5.1	0.00
20/08/2022 01:40	3.0	95	23	5.5	0.00
20/08/2022 01:50	3.5	95	28	4.9	0.00
20/08/2022 02:00	3.3	103	25	6.1	0.00
20/08/2022 02:10	4.0	95	24	6.9	0.00
20/08/2022 02:20	3.9	106	24	7.0	0.00
20/08/2022 02:30	4.8	98	21	8.2	0.00
20/08/2022 02:40	4.8	98	21	8.1	0.00
20/08/2022 02:50	4.9	99	20	8.2	0.00
20/08/2022 03:00	4.3	105	22	7.9	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/08/2022 03:10	4.7	100	22	9.0	0.00
20/08/2022 03:20	4.4	104	21	8.0	0.00
20/08/2022 03:30	4.9	97	21	8.8	0.00
20/08/2022 03:40	5.1	92	20	8.5	0.00
20/08/2022 03:50	5.3	92	18	8.6	0.00
20/08/2022 04:00	5.3	94	19	8.2	0.00
20/08/2022 04:10	4.8	100	22	8.0	0.00
20/08/2022 04:20	5.0	101	20	8.0	0.00
20/08/2022 04:30	4.5	106	26	7.4	0.00
20/08/2022 04:40	4.6	104	24	7.5	0.00
20/08/2022 04:50	4.9	116	24	7.8	0.00
20/08/2022 05:00	4.6	113	21	7.8	0.00
20/08/2022 05:10	4.1	107	21	7.4	0.00
20/08/2022 05:20	4.5	104	23	7.2	0.00
20/08/2022 05:30	4.0	111	23	6.5	0.00
20/08/2022 05:40	3.9	117	24	6.8	0.00
20/08/2022 05:50	4.5	113	23	7.7	0.00
20/08/2022 06:00	4.8	120	22	8.1	0.00
20/08/2022 06:10	4.9	117	21	7.9	0.00
20/08/2022 06:20	5.4	116	24	8.3	0.00
20/08/2022 06:30	4.9	113	23	8.3	0.00
20/08/2022 06:40	4.6	115	22	7.3	0.00
20/08/2022 06:50	4.3	110	24	7.6	0.00
20/08/2022 07:00	4.6	105	22	7.8	0.00
20/08/2022 07:10	5.0	112	20	8.9	0.00
20/08/2022 07:20	4.6	110	25	7.2	0.00
20/08/2022 07:30	4.8	113	21	8.4	0.00
20/08/2022 07:40	5.0	117	20	7.9	0.00
20/08/2022 07:50	5.0	116	22	9.1	0.00
20/08/2022 08:00	4.9	116	26	8.8	0.00
20/08/2022 08:10	4.7	120	22	8.1	0.00
20/08/2022 08:20	5.1	118	22	8.1	0.00
20/08/2022 08:30	5.4	115	21	8.6	0.00
20/08/2022 08:40	5.1	112	24	7.8	0.00
20/08/2022 08:50	5.1	116	23	8.7	0.00
20/08/2022 09:00	5.4	105	22	9.1	0.00
20/08/2022 09:10	4.9	107	22	8.0	0.00
20/08/2022 09:20	5.6	92	22	8.4	0.00
20/08/2022 09:30	5.4	90	18	8.4	0.00
20/08/2022 09:40	5.4	98	21	8.4	0.00
20/08/2022 09:50	6.1	90	20	10.0	0.00
20/08/2022 10:00	5.8	99	25	9.8	0.00
20/08/2022 10:10	5.3	109	23	8.6	0.00
20/08/2022 10:20	5.4	104	21	9.3	0.00
20/08/2022 10:30	4.9	100	22	7.4	0.00





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/08/2022 10:40	5.7	88	20	8.3	0.00
20/08/2022 10:50	5.8	88	17	8.8	0.00
20/08/2022 11:00	5.8	86	18	8.8	0.00
20/08/2022 11:10	5.3	85	17	7.8	0.00
20/08/2022 11:20	6.1	84	16	8.5	0.00
20/08/2022 11:30	5.8	83	14	8.5	0.00
20/08/2022 11:40	5.7	85	13	7.9	0.00
20/08/2022 11:50	4.5	83	13	6.4	0.00
20/08/2022 12:00	5.0	87	16	7.1	0.00
20/08/2022 12:10	4.9	85	11	6.9	0.00
20/08/2022 12:20	4.4	75	15	6.5	0.00
20/08/2022 12:30	4.2	68	15	6.1	0.00
20/08/2022 12:40	4.4	57	11	6.8	0.00
20/08/2022 12:50	5.1	57	9	6.4	0.00
20/08/2022 13:00	5.2	59	10	6.8	0.00
20/08/2022 13:10	4.4	60	11	5.6	0.00
20/08/2022 13:20	4.6	59	10	5.8	0.00
20/08/2022 13:30	4.0	56	12	5.3	0.00
20/08/2022 13:40	3.3	66	17	4.8	0.00
20/08/2022 13:50	3.7	56	14	5.2	0.00
20/08/2022 14:00	3.5	51	12	5.2	0.00
20/08/2022 14:10	3.9	56	10	5.0	0.00
20/08/2022 14:20	3.9	60	9	4.8	0.00
20/08/2022 14:30	3.6	60	9	4.6	0.00
20/08/2022 14:40	3.2	57	12	4.4	0.00
20/08/2022 14:50	3.1	47	17	4.4	0.00
20/08/2022 15:00	3.5	39	13	5.1	0.00
20/08/2022 15:10	3.5	34	13	4.8	0.00
20/08/2022 15:20	3.6	36	13	5.4	0.00
20/08/2022 15:30	3.6	37	14	5.0	0.00
20/08/2022 15:40	3.4	38	13	4.8	0.00
20/08/2022 15:50	3.3	36	14	4.4	0.00
20/08/2022 16:00	3.0	44	12	4.3	0.00
20/08/2022 16:10	3.1	47	11	4.1	0.00
20/08/2022 16:20	3.0	44	11	3.9	0.00
20/08/2022 16:30	2.4	49	14	3.3	0.00
20/08/2022 16:40	2.1	50	13	2.9	0.00
20/08/2022 16:50	1.8	56	15	2.6	0.00
20/08/2022 17:00	1.6	62	15	2.4	0.00
20/08/2022 17:10	1.3	55	16	1.9	0.00
20/08/2022 17:20	0.9	47	19	1.2	0.00
20/08/2022 17:30	0.4	296	56	0.8	0.00
20/08/2022 17:40	0.2	52	23	0.8	0.00
20/08/2022 17:50	0.2	66	16	0.8	0.00
20/08/2022 18:00					0.00



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/08/2022 18:10	0.1	116	3	0.4	0.00
20/08/2022 18:20					0.00
20/08/2022 18:30	0.2	171	14	0.6	0.00
20/08/2022 18:40	0.1	107	30	0.6	0.00
20/08/2022 18:50	0.0	5	4	0.5	0.00
20/08/2022 19:00	0.4	10	13	0.8	0.00
20/08/2022 19:10	0.3	329	2	0.6	0.00
20/08/2022 19:20	0.2	190	10	0.6	0.00
20/08/2022 19:30	0.1	62	8	0.6	0.00
20/08/2022 19:40	0.2	39	17	0.7	0.00
20/08/2022 19:50	0.6	72	26	0.9	0.00
20/08/2022 20:00	0.4	77	35	1.1	0.00
20/08/2022 20:10	0.6	254	37	1.0	0.00
20/08/2022 20:20	0.6	55	48	1.2	0.00
20/08/2022 20:30	1.4	112	44	2.5	0.00
20/08/2022 20:40	2.0	146	18	3.3	0.00
20/08/2022 20:50	2.4	160	12	3.2	0.00
20/08/2022 21:00	1.6	144	16	2.2	0.00
20/08/2022 21:10	1.8	146	17	2.8	0.00
20/08/2022 21:20	1.9	150	18	2.6	0.00
20/08/2022 21:30	2.3	145	18	3.5	0.00
20/08/2022 21:40	2.4	157	14	3.5	0.00
20/08/2022 21:50	2.5	161	11	3.4	0.00
20/08/2022 22:00	2.0	156	15	2.9	0.00
20/08/2022 22:10	1.7	148	19	2.6	0.00
20/08/2022 22:20	1.7	131	25	2.6	0.00
20/08/2022 22:30	1.6	129	17	2.6	0.00
20/08/2022 22:40	1.5	135	20	2.5	0.00
20/08/2022 22:50	1.7	139	17	2.4	0.00
20/08/2022 23:00	2.0	159	16	2.8	0.00
20/08/2022 23:10	2.2	164	14	3.2	0.00
20/08/2022 23:20	2.6	175	11	3.6	0.00
20/08/2022 23:30	2.5	164	19	3.7	0.00
20/08/2022 23:40	2.8	177	17	4.3	0.00
20/08/2022 23:50	2.2	155	19	3.5	0.00
21/08/2022 00:00	2.5	167	17	3.7	0.00
21/08/2022 00:10	2.4	160	23	4.0	0.00
21/08/2022 00:20	3.2	176	15	4.4	0.00
21/08/2022 00:30	3.5	180	12	4.5	0.00
21/08/2022 00:40	3.7	187	13	4.8	0.00
21/08/2022 00:50	3.6	189	12	5.0	0.00
21/08/2022 01:00	2.6	171	16	4.0	0.00
21/08/2022 01:10	2.6	163	17	3.7	0.00
21/08/2022 01:20	2.8	174	17	4.0	0.00
21/08/2022 01:30	2.8	174	16	3.9	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/08/2022 01:40	2.4	164	21	3.5	0.00
21/08/2022 01:50	2.2	149	21	4.2	0.00
21/08/2022 02:00	2.5	157	16	4.0	0.00
21/08/2022 02:10	2.8	153	17	4.4	0.00
21/08/2022 02:20	2.7	151	19	4.3	0.00
21/08/2022 02:30	2.2	137	30	4.6	0.00
21/08/2022 02:40	1.9	133	29	3.5	0.00
21/08/2022 02:50	1.4	122	38	2.4	0.00
21/08/2022 03:00	1.8	127	27	3.6	0.00
21/08/2022 03:10	2.1	144	25	3.3	0.00
21/08/2022 03:20	2.3	148	25	3.8	0.00
21/08/2022 03:30	2.1	130	26	3.5	0.00
21/08/2022 03:40	2.5	135	28	4.1	0.00
21/08/2022 03:50	1.8	134	28	3.1	0.00
21/08/2022 04:00	1.7	129	35	3.1	0.00
21/08/2022 04:10	2.0	134	28	3.8	0.00
21/08/2022 04:20	2.3	141	23	3.8	0.00
21/08/2022 04:30	2.1	119	29	3.1	0.00
21/08/2022 04:40	2.2	134	26	4.0	0.00
21/08/2022 04:50	2.2	136	34	4.8	0.00
21/08/2022 05:00	2.4	153	23	3.7	0.00
21/08/2022 05:10	2.6	160	22	4.0	0.00
21/08/2022 05:20	2.8	153	22	4.5	0.00
21/08/2022 05:30	2.4	142	26	3.7	0.00
21/08/2022 05:40	2.5	130	28	3.7	0.00
21/08/2022 05:50	2.6	138	25	5.4	0.00
21/08/2022 06:00	2.4	136	30	4.8	0.00
21/08/2022 06:10	2.5	119	30	4.6	0.00
21/08/2022 06:20	3.1	116	25	6.0	0.00
21/08/2022 06:30	2.7	113	25	5.1	0.00
21/08/2022 06:40	2.9	111	26	5.6	0.00
21/08/2022 06:50	2.8	110	28	4.4	0.00
21/08/2022 07:00	2.5	104	21	3.8	0.00
21/08/2022 07:10	2.2	107	29	5.3	0.00
21/08/2022 07:20	2.1	108	23	3.6	0.00
21/08/2022 07:30	1.6	96	23	2.7	0.00
21/08/2022 07:40	1.4	91	33	2.7	0.00
21/08/2022 07:50	2.4	96	24	3.7	0.00
21/08/2022 08:00	2.8	93	20	4.4	0.00
21/08/2022 08:10	2.5	106	18	3.8	0.00
21/08/2022 08:20	2.6	90	16	3.7	0.00
21/08/2022 08:30	2.3	78	13	3.2	0.00
21/08/2022 08:40	2.1	78	18	3.1	0.00
21/08/2022 08:50	1.7	54	25	2.3	0.00
21/08/2022 09:00	1.9	71	29	2.9	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/08/2022 09:10	2.9	64	17	4.4	0.00
21/08/2022 09:20	3.1	56	15	4.6	0.00
21/08/2022 09:30	3.2	56	14	4.4	0.00
21/08/2022 09:40	3.3	58	16	5.0	0.00
21/08/2022 09:50	4.0	55	11	5.8	0.00
21/08/2022 10:00	3.7	58	12	4.9	0.00
21/08/2022 10:10	3.3	54	13	4.8	0.00
21/08/2022 10:20	3.6	57	11	4.5	0.00
21/08/2022 10:30	3.6	55	12	4.7	0.00
21/08/2022 10:40	4.1	55	9	5.8	0.00
21/08/2022 10:50	4.0	55	13	5.3	0.00
21/08/2022 11:00	4.8	55	11	6.5	0.00
21/08/2022 11:10	4.0	48	14	6.0	0.00
21/08/2022 11:20	4.3	41	11	5.6	0.00
21/08/2022 11:30	4.2	44	14	5.7	0.00
21/08/2022 11:40	4.0	48	13	5.4	0.00
21/08/2022 11:50	3.7	54	12	4.8	0.00
21/08/2022 12:00	3.4	58	12	4.4	0.00
21/08/2022 12:10	3.2	54	16	4.4	0.00
21/08/2022 12:20	3.2	46	18	4.2	0.00
21/08/2022 12:30	3.3	50	16	4.4	0.00
21/08/2022 12:40	3.1	45	17	4.2	0.00
21/08/2022 12:50	2.9	49	17	3.9	0.00
21/08/2022 13:00	2.9	48	17	3.9	0.00
21/08/2022 13:10	2.8	51	17	3.8	0.00
21/08/2022 13:20	2.9	50	17	4.0	0.00
21/08/2022 13:30	3.1	49	16	4.3	0.00
21/08/2022 13:40	3.2	45	14	4.3	0.00
21/08/2022 13:50	3.3	40	14	4.4	0.00
21/08/2022 14:00	3.1	44	14	4.4	0.00
21/08/2022 14:10	3.1	43	14	4.1	0.00
21/08/2022 14:20	3.5	40	12	4.8	0.00
21/08/2022 14:30	3.8	43	13	5.2	0.00
21/08/2022 14:40	3.7	42	14	5.2	0.00
21/08/2022 14:50	3.6	43	16	5.3	0.00
21/08/2022 15:00	3.5	44	15	4.7	0.00
21/08/2022 15:10	3.3	47	12	4.8	0.00
21/08/2022 15:20	3.5	46	13	4.8	0.00
21/08/2022 15:30	3.7	43	12	5.2	0.00
21/08/2022 15:40	3.6	40	14	5.0	0.00
21/08/2022 15:50	4.1	37	14	5.4	0.00
21/08/2022 16:00	4.3	39	13	6.2	0.00
21/08/2022 16:10	4.5	43	14	6.6	0.00
21/08/2022 16:20	4.2	42	12	6.0	0.00
21/08/2022 16:30	3.5	38	13	4.8	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/08/2022 16:40	3.8	34	14	5.2	0.00
21/08/2022 16:50	3.9	31	13	5.7	0.00
21/08/2022 17:00	3.8	39	14	5.5	0.00
21/08/2022 17:10	3.5	42	14	4.9	0.00
21/08/2022 17:20	2.4	52	14	3.6	0.00
21/08/2022 17:30	2.1	65	12	3.0	0.00
21/08/2022 17:40	1.8	69	15	2.4	0.00
21/08/2022 17:50	1.2	75	17	1.7	0.00
21/08/2022 18:00	1.6	77	15	2.7	0.00
21/08/2022 18:10	1.6	74	15	2.4	0.00
21/08/2022 18:20	1.3	82	17	1.8	0.00
21/08/2022 18:30	1.2	77	16	1.8	0.00
21/08/2022 18:40	0.6	106	21	1.1	0.00
21/08/2022 18:50	0.8	166	32	1.1	0.00
21/08/2022 19:00	0.6	156	24	0.9	0.00
21/08/2022 19:10	1.0	166	13	1.5	0.00
21/08/2022 19:20	1.2	155	14	1.5	0.00
21/08/2022 19:30	1.0	164	11	1.4	0.00
21/08/2022 19:40	1.1	158	17	1.4	0.00
21/08/2022 19:50	0.4	184	30	1.1	0.00
21/08/2022 20:00	0.8	204	13	1.2	0.00
21/08/2022 20:10	1.0	235	15	1.6	0.00
21/08/2022 20:20	0.7	265	22	1.1	0.00
21/08/2022 20:30	1.1	278	42	1.6	0.00
21/08/2022 20:40	0.7	259	43	1.2	0.00
21/08/2022 20:50	0.9	167	30	1.3	0.00
21/08/2022 21:00	0.4	87	33	0.9	0.00
21/08/2022 21:10	0.4	106	16	0.8	0.00
21/08/2022 21:20	0.1	143	2	0.5	0.00
21/08/2022 21:30	0.4	266	23	0.6	0.00
21/08/2022 21:40	1.1	324	11	1.6	0.00
21/08/2022 21:50	0.9	315	15	1.2	0.00
21/08/2022 22:00	0.3	30	18	0.8	0.00
21/08/2022 22:10	0.5	304	15	0.8	0.00
21/08/2022 22:20	1.0	320	16	1.5	0.00
21/08/2022 22:30	0.9	337	16	1.3	0.00
21/08/2022 22:40	0.8	295	11	1.2	0.00
21/08/2022 22:50	0.6	322	25	1.1	0.00
21/08/2022 23:00	0.4	247	30	0.8	0.00
21/08/2022 23:10	0.2	174	10	0.8	0.00
21/08/2022 23:20	0.2	174	14	0.8	0.00
21/08/2022 23:30	0.8	332	15	1.2	0.00
21/08/2022 23:40	1.0	310	9	1.3	0.00
21/08/2022 23:50	0.6	287	15	1.9	0.00
22/08/2022 00:00	2.5	241	16	4.0	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/08/2022 00:10	1.4	307	38	2.3	0.00
22/08/2022 00:20	1.4	193	43	2.4	0.00
22/08/2022 00:30	0.8	173	68	1.3	0.00
22/08/2022 00:40	1.3	249	61	2.7	0.00
22/08/2022 00:50	1.2	336	51	2.0	0.00
22/08/2022 01:00	2.6	194	43	4.2	0.00
22/08/2022 01:10	3.5	186	17	5.0	0.00
22/08/2022 01:20	3.1	175	21	5.0	0.00
22/08/2022 01:30	1.8	89	48	3.2	0.00
22/08/2022 01:40	1.5	353	76	2.5	0.00
22/08/2022 01:50	1.3	84	92	2.0	0.00
22/08/2022 02:00	1.2	184	46	2.3	0.00
22/08/2022 02:10	0.8	345	65	1.7	0.00
22/08/2022 02:20	0.8	325	38	1.2	0.00
22/08/2022 02:30	0.4	257	9	1.2	0.00
22/08/2022 02:40	0.6	172	38	1.1	0.00
22/08/2022 02:50	0.8	224	40	1.2	0.00
22/08/2022 03:00	0.8	316	38	1.6	0.00
22/08/2022 03:10	0.7	129	20	1.1	0.00
22/08/2022 03:20	0.5	109	53	1.1	0.00
22/08/2022 03:30	0.6	28	45	1.1	0.00
22/08/2022 03:40	0.9	184	69	1.7	0.00
22/08/2022 03:50	1.6	150	52	3.4	0.00
22/08/2022 04:00	2.7	135	43	4.6	0.00
22/08/2022 04:10	3.4	173	10	4.8	0.00
22/08/2022 04:20	3.2	175	15	4.4	0.00
22/08/2022 04:30	4.1	174	12	5.6	0.00
22/08/2022 04:40	4.1	171	12	5.6	0.00
22/08/2022 04:50	1.8	193	48	3.1	0.00
22/08/2022 05:00	2.3	196	17	3.4	0.00
22/08/2022 05:10	2.7	191	14	4.4	0.00
22/08/2022 05:20	3.3	188	13	4.8	0.00
22/08/2022 05:30	2.7	192	15	4.0	0.00
22/08/2022 05:40	2.7	210	16	4.0	0.00
22/08/2022 05:50	2.6	208	16	3.3	0.00
22/08/2022 06:00	2.4	213	16	3.3	0.00
22/08/2022 06:10	2.4	213	21	3.4	0.00
22/08/2022 06:20	1.5	216	29	2.7	0.00
22/08/2022 06:30	0.8	122	43	1.5	0.00
22/08/2022 06:40	0.7	247	36	1.2	0.00
22/08/2022 06:50	0.6	73	17	1.2	0.00
22/08/2022 07:00	0.7	322	45	1.2	0.00
22/08/2022 07:10	0.7	198	55	1.1	0.00
22/08/2022 07:20	1.4	132	72	2.4	0.00
22/08/2022 07:30	2.3	158	14	3.3	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/08/2022 07:40	2.5	152	12	3.8	0.00
22/08/2022 07:50	2.3	152	16	3.1	0.00
22/08/2022 08:00	2.0	149	17	3.1	0.00
22/08/2022 08:10	2.2	144	18	3.5	0.00
22/08/2022 08:20	1.9	134	24	2.4	0.00
22/08/2022 08:30	2.0	147	24	2.8	0.00
22/08/2022 08:40	1.8	131	28	2.9	0.00
22/08/2022 08:50	2.4	104	17	3.5	0.00
22/08/2022 09:00	2.3	103	21	3.8	0.00
22/08/2022 09:10	2.6	121	19	3.6	0.00
22/08/2022 09:20	2.1	115	24	3.0	0.00
22/08/2022 09:30	2.2	117	27	4.0	0.00
22/08/2022 09:40	3.0	131	21	4.4	0.00
22/08/2022 09:50	2.4	132	23	3.4	0.00
22/08/2022 10:00	2.5	127	19	3.5	0.00
22/08/2022 10:10	2.3	109	15	3.2	0.00
22/08/2022 10:20	2.4	90	18	3.2	0.00
22/08/2022 10:30	2.5	65	15	3.4	0.00
22/08/2022 10:40	2.3	52	13	3.3	0.00
22/08/2022 10:50	2.1	56	21	3.2	0.00
22/08/2022 11:00	2.0	58	19	3.0	0.00
22/08/2022 11:10	2.1	58	20	2.8	0.00
22/08/2022 11:20	2.1	52	20	3.1	0.00
22/08/2022 11:30	2.5	61	18	3.5	0.00
22/08/2022 11:40	2.3	61	21	3.1	0.00
22/08/2022 11:50	2.6	63	19	3.5	0.00
22/08/2022 12:00	2.5	61	16	4.0	0.00
22/08/2022 12:10	3.0	61	15	3.7	0.00
22/08/2022 12:20	2.9	58	16	4.0	0.00
22/08/2022 12:30	3.3	53	13	4.5	0.00
22/08/2022 12:40	3.4	54	12	4.7	0.00
22/08/2022 12:50	3.0	53	17	4.3	0.00
22/08/2022 13:00	3.1	52	17	4.4	0.00
22/08/2022 13:10	3.3	52	14	4.2	0.00
22/08/2022 13:20	3.1	58	15	4.4	0.00
22/08/2022 13:30	2.9	64	14	4.1	0.00
22/08/2022 13:40	2.8	53	16	3.6	0.00
22/08/2022 13:50	2.6	51	16	3.6	0.00
22/08/2022 14:00	2.5	50	19	3.5	0.00
22/08/2022 14:10	2.5	53	15	3.5	0.00
22/08/2022 14:20	2.6	43	18	3.6	0.00
22/08/2022 14:30	3.0	46	15	4.0	0.00
22/08/2022 14:40	3.1	50	14	4.3	0.00
22/08/2022 14:50	3.5	43	13	4.8	0.00
22/08/2022 15:00	3.8	51	14	5.3	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/08/2022 15:10	3.7	49	12	5.6	0.00
22/08/2022 15:20	3.9	44	14	5.5	0.00
22/08/2022 15:30	4.0	39	16	5.8	0.00
22/08/2022 15:40	3.5	46	13	5.2	0.00
22/08/2022 15:50	3.3	51	14	4.4	0.00
22/08/2022 16:00	3.0	62	13	4.1	0.00
22/08/2022 16:10	2.8	60	12	4.0	0.00
22/08/2022 16:20	2.7	59	13	3.6	0.00
22/08/2022 16:30	2.7	64	13	3.8	0.00
22/08/2022 16:40	2.8	61	15	3.7	0.00
22/08/2022 16:50	2.7	59	13	4.0	0.00
22/08/2022 17:00	2.8	57	10	3.9	0.00
22/08/2022 17:10	2.3	59	11	3.2	0.00
22/08/2022 17:20	2.3	60	11	3.1	0.00
22/08/2022 17:30	1.7	69	12	2.4	0.00
22/08/2022 17:40	0.5	85	25	1.0	0.00
22/08/2022 17:50	0.5	108	28	0.8	0.00
22/08/2022 18:00	0.8	114	17	1.2	0.00
22/08/2022 18:10	0.5	128	20	1.2	0.00
22/08/2022 18:20	0.7	158	23	1.0	0.00
22/08/2022 18:30	0.6	262	18	0.9	0.00
22/08/2022 18:40	0.4	337	4	0.8	0.00
22/08/2022 18:50	0.5	318	22	0.8	0.00
22/08/2022 19:00	0.9	319	30	1.2	0.00
22/08/2022 19:10	0.7	334	11	1.0	0.00
22/08/2022 19:20	0.9	302	10	1.2	0.00
22/08/2022 19:30	1.0	329	12	1.4	0.00
22/08/2022 19:40	0.7	308	15	1.0	0.00
22/08/2022 19:50	0.7	311	10	1.0	0.00
22/08/2022 20:00	0.2	279	6	0.7	0.00
22/08/2022 20:10	0.3	272	35	0.8	0.00
22/08/2022 20:20	0.6	268	23	0.8	0.00
22/08/2022 20:30	0.7	283	23	1.1	0.00
22/08/2022 20:40	0.2	254	16	0.8	0.00
22/08/2022 20:50	0.4	278	13	0.8	0.00
22/08/2022 21:00	0.6	260	28	0.9	0.00
22/08/2022 21:10	1.0	218	14	1.3	0.00
22/08/2022 21:20	0.4	311	22	0.9	0.00
22/08/2022 21:30	0.4	245	8	0.7	0.00
22/08/2022 21:40	0.8	280	21	1.1	0.00
22/08/2022 21:50	0.6	322	11	1.0	0.00
22/08/2022 22:00					0.00
22/08/2022 22:10					0.00
22/08/2022 22:20	0.3	87	19	0.7	0.00
22/08/2022 22:30	0.4	72	24	0.8	0.00





Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/08/2022 22:40	0.2	58	6	0.7	0.00
22/08/2022 22:50	0.3	139	7	0.7	0.00
22/08/2022 23:00	0.2	73	6	0.7	0.00
22/08/2022 23:10					0.00
22/08/2022 23:20					0.00
22/08/2022 23:30	0.4	345	3	0.7	0.00
22/08/2022 23:40	0.5	352	4	0.8	0.00
22/08/2022 23:50	0.8	180	19	1.2	0.00
23/08/2022 00:00	0.4	269	30	0.8	0.00
23/08/2022 00:10	0.5	91	28	0.9	0.00
23/08/2022 00:20	1.0	338	39	1.6	0.00
23/08/2022 00:30	2.0	252	57	3.6	0.00
23/08/2022 00:40	3.2	175	18	5.2	0.00
23/08/2022 00:50	3.6	179	16	5.2	0.00
23/08/2022 01:00	3.8	175	14	5.3	0.00
23/08/2022 01:10	3.7	184	15	5.2	0.00
23/08/2022 01:20	3.2	172	13	4.5	0.00
23/08/2022 01:30	3.9	175	13	5.6	0.00
23/08/2022 01:40	3.8	172	16	5.3	0.00
23/08/2022 01:50	3.2	181	14	4.4	0.00
23/08/2022 02:00	3.1	182	14	4.8	0.00
23/08/2022 02:10	3.3	181	14	4.7	0.00
23/08/2022 02:20	3.1	177	13	4.5	0.00
23/08/2022 02:30	2.6	171	19	3.9	0.00
23/08/2022 02:40	2.4	172	15	3.6	0.00
23/08/2022 02:50	2.6	169	15	3.8	0.00
23/08/2022 03:00	2.8	172	12	4.1	0.00
23/08/2022 03:10	3.0	170	15	4.5	0.00
23/08/2022 03:20	3.1	177	16	4.6	0.00
23/08/2022 03:30	3.5	179	15	5.2	0.00
23/08/2022 03:40	3.3	171	14	5.2	0.00
23/08/2022 03:50	3.2	175	16	4.4	0.00
23/08/2022 04:00	3.4	181	15	5.0	0.00
23/08/2022 04:10	2.0	173	49	4.0	0.00
23/08/2022 04:20	3.6	178	22	5.8	0.00
23/08/2022 04:30	3.5	185	20	6.1	0.00
23/08/2022 04:40	3.8	144	25	7.0	0.00
23/08/2022 04:50	3.4	131	31	6.5	0.00
23/08/2022 05:00	4.7	112	28	8.9	0.00
23/08/2022 05:10	4.4	109	27	7.9	0.00
23/08/2022 05:20	4.8	104	27	8.1	0.00
23/08/2022 05:30	5.0	103	22	8.5	0.00
23/08/2022 05:40	5.1	114	28	8.6	0.00
23/08/2022 05:50	4.7	114	27	8.1	0.00
23/08/2022 06:00	5.0	111	26	8.5	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/08/2022 06:10	4.6	105	24	8.4	0.00
23/08/2022 06:20	5.5	101	22	9.2	0.00
23/08/2022 06:30	5.1	99	25	9.3	0.00
23/08/2022 06:40	5.6	104	24	9.7	0.00
23/08/2022 06:50	5.7	103	22	8.3	0.00
23/08/2022 07:00	6.0	97	22	10.2	0.00
23/08/2022 07:10	5.4	104	22	9.1	0.00
23/08/2022 07:20	5.3	104	24	7.9	0.00
23/08/2022 07:30	5.3	100	27	11.3	0.00
23/08/2022 07:40	6.1	97	27	9.7	0.00
23/08/2022 07:50	6.4	101	21	10.9	0.00
23/08/2022 08:00	6.6	90	18	10.7	0.00
23/08/2022 08:10	6.3	88	19	10.9	0.00
23/08/2022 08:20	6.6	98	22	12.1	0.00
23/08/2022 08:30	6.2	95	23	10.8	0.00
23/08/2022 08:40	5.9	93	19	10.8	0.00
23/08/2022 08:50	5.6	95	23	9.0	0.00
23/08/2022 09:00	5.9	98	20	10.3	0.00
23/08/2022 09:10	6.1	88	18	9.7	0.00
23/08/2022 09:20	5.9	87	19	8.6	0.00
23/08/2022 09:30	5.4	97	21	8.8	0.00
23/08/2022 09:40	5.6	94	20	9.9	0.00
23/08/2022 09:50	4.8	99	25	8.2	0.00
23/08/2022 10:00	5.5	88	18	8.6	0.00
23/08/2022 10:10	6.1	89	18	9.5	0.00
23/08/2022 10:20	5.8	84	18	8.8	0.00
23/08/2022 10:30	6.2	85	16	9.1	0.00
23/08/2022 10:40	6.6	82	15	8.8	0.00
23/08/2022 10:50	6.7	83	13	9.1	0.00
23/08/2022 11:00	7.1	85	14	10.6	0.00
23/08/2022 11:10	6.2	81	13	8.6	0.00
23/08/2022 11:20	6.7	82	13	9.3	0.00
23/08/2022 11:30	6.7	83	13	9.1	0.00
23/08/2022 11:40	5.8	81	14	9.0	0.00
23/08/2022 11:50	5.6	85	14	7.5	0.00
23/08/2022 12:00	5.2	79	15	7.3	0.00
23/08/2022 12:10	5.1	77	14	7.3	0.00
23/08/2022 12:20	5.2	82	14	7.5	0.00
23/08/2022 12:30	4.7	82	16	6.8	0.00
23/08/2022 12:40	4.3	78	18	6.9	0.00
23/08/2022 12:50	4.5	77	15	6.4	0.00
23/08/2022 13:00	4.5	72	17	6.4	0.00
23/08/2022 13:10	4.3	69	16	5.9	0.00
23/08/2022 13:20	4.1	61	14	6.0	0.00
23/08/2022 13:30	4.4	57	13	6.0	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/08/2022 13:40	4.9	57	10	6.4	0.00
23/08/2022 13:50	4.5	59	12	6.0	0.00
23/08/2022 14:00	4.4	53	11	6.0	0.00
23/08/2022 14:10	4.1	49	13	5.5	0.00
23/08/2022 14:20	4.1	47	12	5.9	0.00
23/08/2022 14:30	4.4	49	14	6.0	0.00
23/08/2022 14:40	4.2	50	12	5.7	0.00
23/08/2022 14:50	3.8	49	12	5.6	0.00
23/08/2022 15:00	3.6	48	12	5.1	0.00
23/08/2022 15:10	3.9	46	13	5.1	0.00
23/08/2022 15:20	3.0	43	14	4.4	0.00
23/08/2022 15:30	3.4	45	13	5.1	0.00
23/08/2022 15:40	3.4	47	15	4.9	0.00
23/08/2022 15:50	3.3	41	12	4.8	0.00
23/08/2022 16:00	3.5	45	14	5.0	0.00
23/08/2022 16:10	3.3	42	13	4.6	0.00
23/08/2022 16:20	3.1	44	12	4.5	0.00
23/08/2022 16:30	3.1	48	12	4.4	0.00
23/08/2022 16:40	2.8	48	14	3.8	0.00
23/08/2022 16:50	2.5	43	14	3.6	0.00
23/08/2022 17:00	2.1	45	15	3.0	0.00
23/08/2022 17:10	2.4	52	14	3.3	0.00
23/08/2022 17:20	2.2	71	16	2.9	0.00
23/08/2022 17:30	2.2	56	16	3.6	0.00
23/08/2022 17:40	2.4	53	14	3.5	0.00
23/08/2022 17:50	2.0	78	19	3.3	0.00
23/08/2022 18:00	1.5	77	23	2.7	0.00
23/08/2022 18:10	1.6	89	17	2.4	0.00
23/08/2022 18:20	2.1	77	19	3.5	0.00
23/08/2022 18:30	1.5	86	23	2.2	0.00
23/08/2022 18:40	1.4	97	19	2.0	0.00
23/08/2022 18:50	1.3	90	17	1.9	0.00
23/08/2022 19:00	1.0	87	17	1.6	0.00
23/08/2022 19:10	0.8	86	14	1.5	0.00
23/08/2022 19:20	1.0	90	23	1.9	0.00
23/08/2022 19:30	1.1	86	16	1.7	0.00
23/08/2022 19:40	0.8	60	22	1.3	0.00
23/08/2022 19:50	0.4	42	18	1.1	0.00
23/08/2022 20:00	1.0	64	16	1.6	0.00
23/08/2022 20:10	1.3	61	12	1.7	0.00
23/08/2022 20:20	0.6	35	24	1.2	0.00
23/08/2022 20:30	1.3	54	19	2.0	0.00
23/08/2022 20:40	1.4	49	13	2.1	0.00
23/08/2022 20:50	1.8	51	19	3.1	0.00
23/08/2022 21:00	3.4	76	17	5.4	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/08/2022 21:10	5.0	79	13	7.0	0.00
23/08/2022 21:20	4.8	78	16	7.9	0.00
23/08/2022 21:30	5.7	81	14	9.0	0.00
23/08/2022 21:40	5.6	82	12	8.5	0.00
23/08/2022 21:50	4.8	85	17	6.9	0.00
23/08/2022 22:00	3.6	88	20	7.3	0.00
23/08/2022 22:10	3.9	85	25	7.1	0.00
23/08/2022 22:20	4.1	92	19	6.4	0.00
23/08/2022 22:30	4.4	87	21	8.3	0.00
23/08/2022 22:40	4.4	89	21	7.5	0.00
23/08/2022 22:50	4.8	92	24	8.3	0.00
23/08/2022 23:00	6.1	89	19	9.7	0.00
23/08/2022 23:10	5.6	87	19	8.6	0.00
23/08/2022 23:20	4.9	97	22	8.5	0.00
23/08/2022 23:30	4.6	113	27	9.2	0.00
23/08/2022 23:40	4.0	109	29	7.0	0.00
23/08/2022 23:50	5.7	97	24	9.9	0.00
24/08/2022 00:00	4.2	103	25	8.0	0.00
24/08/2022 00:10	4.8	95	24	8.6	0.00
24/08/2022 00:20	5.0	102	24	8.9	0.00
24/08/2022 00:30	5.5	106	25	7.9	0.00
24/08/2022 00:40	5.4	100	25	8.8	0.00
24/08/2022 00:50	5.9	101	23	10.0	0.00
24/08/2022 01:00	5.7	109	24	10.0	0.00
24/08/2022 01:10	5.2	109	22	9.1	0.00
24/08/2022 01:20	6.2	102	25	9.7	0.00
24/08/2022 01:30	5.9	101	26	10.1	0.00
24/08/2022 01:40	5.1	106	24	9.1	0.00
24/08/2022 01:50	5.1	96	20	8.7	0.00
24/08/2022 02:00	5.7	96	20	10.7	0.00
24/08/2022 02:10	6.0	94	25	10.1	0.00
24/08/2022 02:20	5.9	101	20	9.3	0.00
24/08/2022 02:30	5.5	102	22	9.5	0.00
24/08/2022 02:40	5.3	106	26	8.7	0.00
24/08/2022 02:50	6.1	92	22	9.3	0.00
24/08/2022 03:00	5.8	95	23	9.5	0.00
24/08/2022 03:10	5.7	92	22	10.0	0.00
24/08/2022 03:20	6.3	95	22	9.9	0.00
24/08/2022 03:30	5.7	103	23	9.5	0.00
24/08/2022 03:40	5.7	95	21	10.6	0.00
24/08/2022 03:50	6.4	98	23	10.0	0.00
24/08/2022 04:00	5.9	97	23	8.9	0.00
24/08/2022 04:10	5.6	94	23	10.0	0.00
24/08/2022 04:20	5.9	105	23	10.6	0.00
24/08/2022 04:30	6.0	99	27	9.4	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/08/2022 04:40	6.0	102	24	10.3	0.00
24/08/2022 04:50	6.1	95	25	10.2	0.00
24/08/2022 05:00	6.0	92	23	9.2	0.00
24/08/2022 05:10	6.0	105	24	10.0	0.00
24/08/2022 05:20	5.7	103	24	9.5	0.00
24/08/2022 05:30	5.2	102	25	9.1	0.00
24/08/2022 05:40	5.9	107	27	9.9	0.00
24/08/2022 05:50	5.9	108	24	9.5	0.00
24/08/2022 06:00	5.3	98	21	8.8	0.00
24/08/2022 06:10	5.3	102	23	9.5	0.00
24/08/2022 06:20	5.2	95	22	8.6	0.00
24/08/2022 06:30	5.5	94	20	9.1	0.00
24/08/2022 06:40	5.7	97	22	9.1	0.00
24/08/2022 06:50	5.7	94	22	8.1	0.00
24/08/2022 07:00	5.6	87	21	9.9	0.00
24/08/2022 07:10	5.2	93	24	8.2	0.00
24/08/2022 07:20	5.8	90	20	8.9	0.00
24/08/2022 07:30	5.8	89	20	9.5	0.00
24/08/2022 07:40	5.3	95	24	9.6	0.00
24/08/2022 07:50	5.5	95	23	8.7	0.00
24/08/2022 08:00	5.0	100	23	8.5	0.00
24/08/2022 08:10	5.1	100	25	8.4	0.00
24/08/2022 08:20	5.4	90	21	8.7	0.00
24/08/2022 08:30	5.9	88	18	9.5	0.00
24/08/2022 08:40	6.0	87	19	9.7	0.00
24/08/2022 08:50	5.5	90	21	9.1	0.00
24/08/2022 09:00	6.6	87	17	9.9	0.00
24/08/2022 09:10	6.8	86	15	9.0	0.00
24/08/2022 09:20	6.5	84	16	8.7	0.00
24/08/2022 09:30	5.8	86	16	8.7	0.00
24/08/2022 09:40	5.8	84	14	8.3	0.00
24/08/2022 09:50	5.6	83	14	8.0	0.00
24/08/2022 10:00	5.6	86	15	8.0	0.00
24/08/2022 10:10	5.4	81	17	7.8	0.00
24/08/2022 10:20	5.2	84	15	7.4	0.00
24/08/2022 10:30	5.8	76	13	7.9	0.00
24/08/2022 10:40	5.7	75	15	7.9	0.00
24/08/2022 10:50	5.4	75	14	7.9	0.00
24/08/2022 11:00	5.6	68	17	8.1	0.00
24/08/2022 11:10	5.3	72	15	7.7	0.00
24/08/2022 11:20	5.5	73	14	8.1	0.00
24/08/2022 11:30	5.9	72	13	8.3	0.00
24/08/2022 11:40	5.3	80	16	7.3	0.00
24/08/2022 11:50	5.4	73	13	8.0	0.00
24/08/2022 12:00	5.8	72	12	7.8	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/08/2022 12:10	5.5	73	13	7.5	0.00
24/08/2022 12:20	5.5	70	14	7.3	0.00
24/08/2022 12:30	5.5	71	15	7.4	0.00
24/08/2022 12:40	5.6	70	14	8.1	0.00
24/08/2022 12:50	4.9	67	14	6.8	0.00
24/08/2022 13:00	4.6	63	12	6.6	0.00
24/08/2022 13:10	5.2	62	14	7.0	0.00
24/08/2022 13:20	4.4	60	13	5.9	0.00
24/08/2022 13:30	4.6	60	13	6.7	0.00
24/08/2022 13:40	4.3	59	13	6.0	0.00
24/08/2022 13:50	4.4	58	13	6.3	0.00
24/08/2022 14:00	5.1	57	10	6.5	0.00
24/08/2022 14:10	5.1	59	10	6.8	0.00
24/08/2022 14:20	4.9	58	11	6.5	0.00
24/08/2022 14:30	4.6	58	10	6.0	0.00
24/08/2022 14:40	4.3	58	13	5.6	0.00
24/08/2022 14:50	4.0	62	12	5.6	0.00
24/08/2022 15:00	3.8	53	13	5.4	0.00
24/08/2022 15:10	3.3	48	13	4.6	0.00
24/08/2022 15:20	3.4	54	13	4.9	0.00
24/08/2022 15:30	3.2	50	13	4.3	0.00
24/08/2022 15:40	3.2	51	13	4.3	0.00
24/08/2022 15:50	3.0	48	12	4.2	0.00
24/08/2022 16:00	3.0	53	13	4.1	0.00
24/08/2022 16:10	2.4	51	15	3.3	0.00
24/08/2022 16:20	2.4	53	16	3.2	0.00
24/08/2022 16:30	2.1	56	16	2.9	0.00
24/08/2022 16:40	1.9	61	17	2.7	0.00
24/08/2022 16:50	1.9	59	13	2.3	0.00
24/08/2022 17:00	1.6	61	18	2.3	0.00
24/08/2022 17:10	1.8	67	17	2.7	0.00
24/08/2022 17:20	1.1	85	23	1.7	0.00
24/08/2022 17:30	1.2	89	27	1.8	0.00
24/08/2022 17:40	1.3	92	25	2.1	0.00
24/08/2022 17:50	0.9	107	26	1.6	0.00
24/08/2022 18:00	0.7	119	36	1.2	0.00
24/08/2022 18:10	0.8	149	27	1.1	0.00
24/08/2022 18:20	1.2	172	14	1.5	0.00
24/08/2022 18:30	1.0	159	24	1.5	0.00
24/08/2022 18:40	1.3	171	11	1.7	0.00
24/08/2022 18:50	1.1	171	12	1.3	0.00
24/08/2022 19:00	0.9	149	22	1.2	0.00
24/08/2022 19:10	1.0	169	15	1.4	0.00
24/08/2022 19:20	1.1	167	18	1.6	0.00
24/08/2022 19:30	0.7	160	27	1.1	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/08/2022 19:40	0.8	166	30	1.2	0.00
24/08/2022 19:50	0.7	158	20	1.0	0.00
24/08/2022 20:00	0.7	149	37	0.9	0.00
24/08/2022 20:10	1.0	169	13	1.2	0.00
24/08/2022 20:20	0.8	159	14	1.1	0.00
24/08/2022 20:30	0.6	130	17	0.9	0.00
24/08/2022 20:40	0.9	94	9	1.2	0.00
24/08/2022 20:50	1.1	100	11	1.4	0.00
24/08/2022 21:00	0.5	102	10	1.2	0.00
24/08/2022 21:10	0.7	88	16	1.2	0.00
24/08/2022 21:20	0.5	118	18	0.9	0.00
24/08/2022 21:30	0.6	101	14	0.9	0.00
24/08/2022 21:40	0.8	97	13	1.0	0.00
24/08/2022 21:50	0.3	97	12	0.9	0.00
24/08/2022 22:00	0.2	61	9	0.6	0.00
24/08/2022 22:10	0.2	45	8	0.6	0.00
24/08/2022 22:20	0.1	11	11	0.6	0.00
24/08/2022 22:30	0.1	73	9	0.7	0.00
24/08/2022 22:40	0.2	20	16	0.8	0.00
24/08/2022 22:50	0.3	54	22	0.8	0.00
24/08/2022 23:00	0.8	68	13	1.0	0.00
24/08/2022 23:10	0.7	79	11	1.1	0.00
24/08/2022 23:20	0.2	71	8	0.7	0.00
24/08/2022 23:30	0.3	58	34	0.8	0.00
24/08/2022 23:40	0.3	61	40	0.8	0.00
24/08/2022 23:50	0.4	340	16	1.0	0.00
25/08/2022 00:00	0.7	235	23	1.2	0.00
25/08/2022 00:10	1.5	138	21	2.0	0.00
25/08/2022 00:20	1.4	153	24	1.8	0.00
25/08/2022 00:30	1.6	179	17	2.3	0.00
25/08/2022 00:40	1.0	130	41	2.1	0.00
25/08/2022 00:50	1.4	116	39	2.4	0.00
25/08/2022 01:00	2.0	172	15	2.9	0.00
25/08/2022 01:10	2.4	183	18	3.4	0.00
25/08/2022 01:20	2.3	181	15	3.6	0.00
25/08/2022 01:30	2.3	173	15	3.6	0.00
25/08/2022 01:40	1.9	166	32	3.0	0.00
25/08/2022 01:50	2.3	131	33	4.1	0.00
25/08/2022 02:00	3.0	137	26	5.6	0.00
25/08/2022 02:10	3.6	153	18	5.2	0.00
25/08/2022 02:20	3.6	143	23	6.0	0.00
25/08/2022 02:30	3.1	149	28	6.4	0.00
25/08/2022 02:40	3.1	147	26	4.8	0.00
25/08/2022 02:50	3.0	131	25	5.9	0.00
25/08/2022 03:00	3.0	147	23	5.2	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/08/2022 03:10	2.0	137	26	3.2	0.00
25/08/2022 03:20	2.3	130	22	3.6	0.00
25/08/2022 03:30	1.9	106	23	3.2	0.00
25/08/2022 03:40	2.3	114	24	4.6	0.00
25/08/2022 03:50	3.2	118	17	4.6	0.00
25/08/2022 04:00	3.0	112	20	5.2	0.00
25/08/2022 04:10	2.3	107	18	4.2	0.00
25/08/2022 04:20	2.2	100	21	3.6	0.00
25/08/2022 04:30	2.7	97	25	4.0	0.00
25/08/2022 04:40	2.7	97	19	4.3	0.00
25/08/2022 04:50	2.9	88	20	4.4	0.00
25/08/2022 05:00	2.8	85	14	4.1	0.00
25/08/2022 05:10	2.6	90	19	3.9	0.00
25/08/2022 05:20	2.1	102	28	3.4	0.00
25/08/2022 05:30	2.4	106	17	3.6	0.00
25/08/2022 05:40	2.2	105	23	3.2	0.00
25/08/2022 05:50	2.6	113	21	4.8	0.00
25/08/2022 06:00	2.3	111	22	3.7	0.00
25/08/2022 06:10	2.4	117	18	4.0	0.00
25/08/2022 06:20	2.2	110	21	3.6	0.00
25/08/2022 06:30	2.2	102	20	3.6	0.00
25/08/2022 06:40	2.7	107	21	4.4	0.00
25/08/2022 06:50	2.9	111	21	4.4	0.00
25/08/2022 07:00	2.7	111	19	4.2	0.00
25/08/2022 07:10	3.3	112	19	5.1	0.00
25/08/2022 07:20	3.0	115	24	5.7	0.00
25/08/2022 07:30	3.0	107	22	4.8	0.00
25/08/2022 07:40	3.3	103	22	5.2	0.00
25/08/2022 07:50	2.9	114	26	5.2	0.00
25/08/2022 08:00	3.2	110	23	5.4	0.00
25/08/2022 08:10	3.2	102	26	5.5	0.00
25/08/2022 08:20	4.0	88	19	6.1	0.00
25/08/2022 08:30	4.1	96	20	6.5	0.00
25/08/2022 08:40	4.2	92	22	7.5	0.00
25/08/2022 08:50	4.5	94	22	7.5	0.00
25/08/2022 09:00	4.6	89	18	7.3	0.00
25/08/2022 09:10	5.1	84	17	6.8	0.00
25/08/2022 09:20	6.3	84	14	8.3	0.00
25/08/2022 09:30	6.1	86	15	8.2	0.00
25/08/2022 09:40	5.7	82	15	8.3	0.00
25/08/2022 09:50	5.5	80	13	8.5	0.00
25/08/2022 10:00	5.7	80	15	7.8	0.00
25/08/2022 10:10	6.2	83	13	9.1	0.00
25/08/2022 10:20	5.8	84	15	8.4	0.00
25/08/2022 10:30	5.9	85	16	8.4	0.00





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/08/2022 10:40	5.8	80	13	8.2	0.00
25/08/2022 10:50	4.9	76	14	7.5	0.00
25/08/2022 11:00	5.3	73	15	7.3	0.00
25/08/2022 11:10	5.2	69	15	7.5	0.00
25/08/2022 11:20	5.3	62	15	8.3	0.00
25/08/2022 11:30	4.7	64	17	7.2	0.10
25/08/2022 11:40	5.2	69	14	7.1	0.00
25/08/2022 11:50	5.0	68	15	6.8	0.00
25/08/2022 12:00	4.8	71	14	7.3	1.00
25/08/2022 12:10	5.3	74	13	7.6	0.00
25/08/2022 12:20	5.2	68	13	7.3	0.00
25/08/2022 12:30	4.5	72	15	6.3	0.00
25/08/2022 12:40	5.0	74	15	7.2	0.00
25/08/2022 12:50	5.2	74	13	7.2	0.00
25/08/2022 13:00	4.9	76	15	6.5	0.00
25/08/2022 13:10	4.7	62	14	6.7	0.00
25/08/2022 13:20	4.9	57	12	6.8	0.00
25/08/2022 13:30	4.7	57	13	6.4	0.00
25/08/2022 13:40	4.3	53	13	6.0	0.00
25/08/2022 13:50	3.9	49	13	5.6	0.00
25/08/2022 14:00	3.8	49	13	5.3	0.00
25/08/2022 14:10	3.9	49	11	5.2	0.00
25/08/2022 14:20	4.1	45	12	5.6	0.00
25/08/2022 14:30	3.9	42	12	5.4	0.00
25/08/2022 14:40	3.8	45	11	5.2	0.00
25/08/2022 14:50	4.2	43	11	5.6	0.00
25/08/2022 15:00	4.0	41	12	5.2	0.00
25/08/2022 15:10	4.3	37	12	6.0	0.00
25/08/2022 15:20	4.4	43	13	6.0	0.00
25/08/2022 15:30	4.6	42	13	6.2	0.00
25/08/2022 15:40	4.1	41	13	5.9	0.00
25/08/2022 15:50	4.2	48	11	5.7	0.00
25/08/2022 16:00	3.9	46	14	5.3	0.00
25/08/2022 16:10	3.5	48	13	4.8	0.00
25/08/2022 16:20	3.7	46	13	5.3	0.00
25/08/2022 16:30	3.4	49	12	4.8	0.00
25/08/2022 16:40	3.3	50	14	4.6	0.00
25/08/2022 16:50	3.2	55	13	4.6	0.00
25/08/2022 17:00	2.7	53	13	4.0	0.00
25/08/2022 17:10	2.4	49	13	3.8	0.00
25/08/2022 17:20	2.0	53	15	2.8	0.00
25/08/2022 17:30	1.9	50	13	2.8	0.00
25/08/2022 17:40	1.5	52	15	2.4	0.00
25/08/2022 17:50	1.3	55	19	2.1	0.00
25/08/2022 18:00	1.1	66	15	1.6	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/08/2022 18:10	1.2	59	16	2.0	0.00
25/08/2022 18:20	1.1	55	15	1.7	0.00
25/08/2022 18:30	1.1	57	13	1.7	0.00
25/08/2022 18:40	0.4	47	18	1.4	0.00
25/08/2022 18:50	0.1	181	8	0.5	0.00
25/08/2022 19:00	0.0	11	9	0.4	0.00
25/08/2022 19:10					0.00
25/08/2022 19:20					0.00
25/08/2022 19:30	0.5	316	23	1.1	0.00
25/08/2022 19:40	0.2	301	5	0.8	0.00
25/08/2022 19:50	0.7	336	22	0.8	0.00
25/08/2022 20:00	0.3	324	8	0.6	0.00
25/08/2022 20:10	0.2	316	2	0.8	0.00
25/08/2022 20:20	0.7	309	10	0.8	0.00
25/08/2022 20:30	0.1	288	2	0.6	0.00
25/08/2022 20:40					0.00
25/08/2022 20:50	0.2	192	4	0.5	0.00
25/08/2022 21:00					0.00
25/08/2022 21:10					0.00
25/08/2022 21:20					0.00
25/08/2022 21:30					0.00
25/08/2022 21:40	0.2	135	11	0.6	0.00
25/08/2022 21:50	0.4	188	6	0.8	0.00
25/08/2022 22:00	0.4	195	3	0.6	0.00
25/08/2022 22:10	0.5	339	10	0.8	0.00
25/08/2022 22:20	0.1	357	5	0.4	0.00
25/08/2022 22:30	1.3	215	9	2.0	0.00
25/08/2022 22:40	0.8	159	53	1.6	0.00
25/08/2022 22:50	0.6	284	38	0.9	0.00
25/08/2022 23:00	0.2	139	9	0.6	0.00
25/08/2022 23:10	0.4	328	45	1.0	0.00
25/08/2022 23:20	0.7	128	61	1.2	0.00
25/08/2022 23:30	0.6	164	54	1.2	0.00
25/08/2022 23:40	1.1	161	37	2.0	0.00
25/08/2022 23:50	1.1	171	44	2.1	0.00
26/08/2022 00:00	1.7	178	35	2.8	0.00
26/08/2022 00:10	2.3	179	14	3.4	0.00
26/08/2022 00:20	3.1	176	14	4.7	0.00
26/08/2022 00:30	3.4	179	13	4.6	0.00
26/08/2022 00:40	3.2	200	11	4.1	0.00
26/08/2022 00:50	2.9	187	13	4.4	0.00
26/08/2022 01:00	3.0	189	11	4.2	0.00
26/08/2022 01:10	3.0	198	12	4.2	0.00
26/08/2022 01:20	3.8	183	11	4.8	0.00
26/08/2022 01:30	3.8	185	11	5.2	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/08/2022 01:40	3.9	185	8	5.1	0.00
26/08/2022 01:50	3.0	191	11	4.1	0.00
26/08/2022 02:00	2.7	189	11	3.9	0.00
26/08/2022 02:10	2.4	195	10	3.4	0.00
26/08/2022 02:20	2.4	192	13	3.3	0.00
26/08/2022 02:30	2.9	210	14	4.3	0.00
26/08/2022 02:40	3.7	183	11	5.3	0.00
26/08/2022 02:50	3.4	187	13	5.3	0.00
26/08/2022 03:00	3.6	181	12	4.8	0.00
26/08/2022 03:10	2.5	215	38	4.3	0.00
26/08/2022 03:20	2.0	190	24	3.1	0.00
26/08/2022 03:30	1.4	215	60	2.8	0.00
26/08/2022 03:40	2.6	202	16	3.8	0.00
26/08/2022 03:50	3.2	205	17	4.7	0.00
26/08/2022 04:00	2.4	188	22	3.5	0.00
26/08/2022 04:10	2.3	179	26	3.7	0.00
26/08/2022 04:20	3.2	184	16	4.8	0.00
26/08/2022 04:30	2.0	168	22	3.2	0.00
26/08/2022 04:40	2.6	175	15	4.1	0.00
26/08/2022 04:50	3.4	177	12	4.8	0.00
26/08/2022 05:00	3.3	173	13	4.7	0.00
26/08/2022 05:10	3.8	183	14	5.6	0.00
26/08/2022 05:20	3.5	169	16	5.2	0.00
26/08/2022 05:30	3.8	180	13	5.2	0.00
26/08/2022 05:40	2.8	166	16	4.2	0.00
26/08/2022 05:50	2.7	161	16	4.0	0.00
26/08/2022 06:00	2.8	167	15	4.1	0.00
26/08/2022 06:10	2.1	151	20	3.3	0.00
26/08/2022 06:20	2.2	150	15	3.1	0.00
26/08/2022 06:30	2.6	154	15	3.6	0.00
26/08/2022 06:40	1.8	142	22	3.0	0.00
26/08/2022 06:50	1.2	120	20	1.9	0.00
26/08/2022 07:00	1.1	127	39	1.9	0.00
26/08/2022 07:10	1.3	126	24	2.4	0.00
26/08/2022 07:20	1.8	143	19	2.8	0.00
26/08/2022 07:30	1.5	149	25	2.4	0.00
26/08/2022 07:40	2.4	170	23	4.0	0.00
26/08/2022 07:50	3.0	176	18	4.4	0.00
26/08/2022 08:00	2.6	148	22	4.2	0.00
26/08/2022 08:10	2.3	132	21	3.6	0.00
26/08/2022 08:20	2.8	113	20	4.4	0.00
26/08/2022 08:30	2.2	117	22	3.7	0.00
26/08/2022 08:40	2.6	123	22	4.4	0.00
26/08/2022 08:50	2.1	108	21	3.2	0.00
26/08/2022 09:00	2.7	125	20	4.3	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/08/2022 09:10	2.7	143	23	4.0	0.00
26/08/2022 09:20	2.3	128	26	4.0	0.00
26/08/2022 09:30	2.4	117	31	4.1	0.00
26/08/2022 09:40	2.5	114	27	4.3	0.00
26/08/2022 09:50	2.5	118	26	4.0	0.00
26/08/2022 10:00	2.9	120	19	4.8	0.00
26/08/2022 10:10	2.2	109	28	3.5	0.00
26/08/2022 10:20	2.3	107	28	3.8	0.00
26/08/2022 10:30	3.2	81	17	4.4	0.00
26/08/2022 10:40	3.5	76	13	5.0	0.00
26/08/2022 10:50	4.0	82	13	5.4	0.00
26/08/2022 11:00	3.8	86	15	5.6	0.00
26/08/2022 11:10	3.7	76	15	5.0	0.00
26/08/2022 11:20	3.5	79	13	4.8	0.00
26/08/2022 11:30	3.5	75	15	4.8	0.00
26/08/2022 11:40	3.8	80	15	5.2	0.00
26/08/2022 11:50	3.5	75	14	4.7	0.00
26/08/2022 12:00	3.0	72	19	4.3	0.00
26/08/2022 12:10	3.4	57	14	4.7	0.00
26/08/2022 12:20	3.1	53	17	4.0	0.00
26/08/2022 12:30	3.4	48	14	4.5	0.00
26/08/2022 12:40	3.0	49	14	4.0	0.00
26/08/2022 12:50	3.4	51	12	4.5	0.00
26/08/2022 13:00	3.7	47	12	4.9	0.00
26/08/2022 13:10	3.3	46	14	4.4	0.00
26/08/2022 13:20	3.7	53	12	5.0	0.00
26/08/2022 13:30	3.5	48	15	4.7	0.00
26/08/2022 13:40	3.5	49	11	4.8	0.00
26/08/2022 13:50	3.4	41	13	4.3	0.00
26/08/2022 14:00	3.2	47	15	4.0	0.00
26/08/2022 14:10	3.2	49	12	3.9	0.00
26/08/2022 14:20	3.5	51	11	4.6	0.00
26/08/2022 14:30	3.8	48	10	4.9	0.00
26/08/2022 14:40	3.5	47	12	4.8	0.00
26/08/2022 14:50	3.4	49	12	4.4	0.00
26/08/2022 15:00	3.2	51	13	4.1	0.00
26/08/2022 15:10	3.1	49	13	4.0	0.00
26/08/2022 15:20	3.2	55	13	4.2	0.00
26/08/2022 15:30	2.9	56	17	3.9	0.00
26/08/2022 15:40	3.0	54	14	3.8	0.00
26/08/2022 15:50	3.3	52	13	4.4	0.00
26/08/2022 16:00	3.3	50	12	4.4	0.00
26/08/2022 16:10	3.4	47	12	4.8	0.00
26/08/2022 16:20	3.0	49	12	4.4	0.00
26/08/2022 16:30	2.9	53	12	4.0	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/08/2022 16:40	2.7	50	12	3.5	0.00
26/08/2022 16:50	2.6	55	11	3.6	0.00
26/08/2022 17:00	2.4	54	10	3.3	0.00
26/08/2022 17:10	2.3	51	10	3.1	0.00
26/08/2022 17:20	1.7	52	11	2.2	0.00
26/08/2022 17:30	2.5	350	20	3.8	0.00
26/08/2022 17:40	2.4	343	16	3.6	0.00
26/08/2022 17:50	1.5	343	12	2.5	0.00
26/08/2022 18:00	1.6	330	10	2.3	0.00
26/08/2022 18:10	0.9	207	18	1.4	0.00
26/08/2022 18:20	0.1	283	15	0.6	0.00
26/08/2022 18:30	1.2	323	12	1.8	0.00
26/08/2022 18:40	1.7	321	11	2.4	0.00
26/08/2022 18:50	1.4	309	16	2.1	0.00
26/08/2022 19:00	1.4	304	14	2.2	0.00
26/08/2022 19:10	1.2	312	18	1.7	0.00
26/08/2022 19:20	1.3	281	14	1.6	0.00
26/08/2022 19:30	1.4	281	22	2.3	0.00
26/08/2022 19:40	1.5	272	17	2.0	0.00
26/08/2022 19:50	1.7	257	18	2.5	0.00
26/08/2022 20:00	1.9	262	15	2.5	0.00
26/08/2022 20:10	2.0	258	15	2.8	0.00
26/08/2022 20:20	1.8	250	18	2.4	0.00
26/08/2022 20:30	1.9	265	16	2.5	0.00
26/08/2022 20:40	1.2	261	40	2.1	0.00
26/08/2022 20:50	1.0	206	40	1.6	0.00
26/08/2022 21:00	1.0	267	30	1.8	0.00
26/08/2022 21:10	1.1	292	38	2.0	0.00
26/08/2022 21:20	1.3	297	17	1.6	0.00
26/08/2022 21:30	1.1	257	39	2.4	0.00
26/08/2022 21:40	2.0	206	12	2.9	0.00
26/08/2022 21:50	2.1	207	13	2.8	0.00
26/08/2022 22:00	1.6	208	16	2.4	0.00
26/08/2022 22:10	1.4	197	16	2.0	0.00
26/08/2022 22:20	0.8	211	38	1.2	0.00
26/08/2022 22:30	0.7	296	50	1.6	0.00
26/08/2022 22:40	0.3	208	20	1.3	0.00
26/08/2022 22:50	0.4	23	22	1.1	0.00
26/08/2022 23:00	0.3	110	8	0.6	0.00
26/08/2022 23:10	0.6	7	8	1.0	0.00
26/08/2022 23:20	0.1	187	2	0.6	0.00
26/08/2022 23:30	0.5	128	34	0.9	0.00
26/08/2022 23:40	0.6	142	24	1.0	0.00
26/08/2022 23:50	0.6	156	20	1.1	0.00
27/08/2022 00:00	0.2	162	4	0.8	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/08/2022 00:10	0.3	64	7	0.8	0.00
27/08/2022 00:20	0.0	251	2	0.6	0.00
27/08/2022 00:30	0.0	54	0	0.4	0.00
27/08/2022 00:40	0.2	8	6	0.8	0.00
27/08/2022 00:50	0.3	179	5	0.8	0.00
27/08/2022 01:00					0.00
27/08/2022 01:10					0.00
27/08/2022 01:20					0.00
27/08/2022 01:30					0.00
27/08/2022 01:40	0.2	99	9	0.6	0.00
27/08/2022 01:50	0.0	205	6	0.6	0.00
27/08/2022 02:00	0.6	284	10	1.4	0.00
27/08/2022 02:10	0.4	175	36	1.2	0.00
27/08/2022 02:20	0.3	161	64	0.8	0.00
27/08/2022 02:30	0.5	336	21	1.0	0.00
27/08/2022 02:40	1.7	311	6	2.0	0.00
27/08/2022 02:50	1.7	310	13	2.0	0.00
27/08/2022 03:00	0.9	195	44	1.8	0.00
27/08/2022 03:10	0.8	15	37	1.6	0.00
27/08/2022 03:20	0.9	282	41	1.7	0.00
27/08/2022 03:30	1.5	293	25	2.3	0.00
27/08/2022 03:40	1.5	295	24	2.2	0.00
27/08/2022 03:50	1.8	289	12	2.4	0.00
27/08/2022 04:00	1.9	286	13	2.4	0.00
27/08/2022 04:10	1.5	286	20	2.1	0.00
27/08/2022 04:20	0.7	188	45	1.2	0.00
27/08/2022 04:30	0.6	31	38	1.0	0.00
27/08/2022 04:40	0.7	206	27	1.1	0.00
27/08/2022 04:50	0.7	264	13	1.1	0.00
27/08/2022 05:00	1.0	169	14	1.4	0.00
27/08/2022 05:10	0.5	316	14	1.0	0.00
27/08/2022 05:20	0.2	330	3	0.8	0.00
27/08/2022 05:30	1.0	326	11	1.4	0.00
27/08/2022 05:40	0.5	251	40	1.0	0.00
27/08/2022 05:50	0.7	322	17	1.0	0.00
27/08/2022 06:00	0.8	206	16	1.4	0.00
27/08/2022 06:10	0.7	191	32	1.2	0.00
27/08/2022 06:20	0.4	225	19	0.9	0.00
27/08/2022 06:30	0.7	186	68	1.3	0.00
27/08/2022 06:40	0.5	165	46	0.9	0.00
27/08/2022 06:50	0.5	120	17	1.0	0.00
27/08/2022 07:00	0.6	28	28	1.2	0.00
27/08/2022 07:10	0.7	68	28	1.3	0.00
27/08/2022 07:20	0.5	65	46	0.9	0.00
27/08/2022 07:30	0.9	43	15	1.3	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/08/2022 07:40	0.9	58	22	1.3	0.00
27/08/2022 07:50	1.1	45	11	1.6	0.00
27/08/2022 08:00	1.4	70	20	2.0	0.00
27/08/2022 08:10	1.5	66	16	2.0	0.00
27/08/2022 08:20	1.8	61	15	2.2	0.00
27/08/2022 08:30	1.7	94	20	2.3	0.00
27/08/2022 08:40	1.9	99	20	2.6	0.00
27/08/2022 08:50	2.0	95	14	2.8	0.00
27/08/2022 09:00	2.1	97	15	2.8	0.00
27/08/2022 09:10	2.1	94	16	2.9	0.00
27/08/2022 09:20	2.3	100	13	2.9	0.00
27/08/2022 09:30	2.0	91	22	2.7	0.00
27/08/2022 09:40	2.3	64	25	3.3	0.00
27/08/2022 09:50	1.6	94	25	2.6	0.00
27/08/2022 10:00	2.4	76	27	3.4	0.00
27/08/2022 10:10	2.4	69	16	3.3	0.00
27/08/2022 10:20	2.6	52	13	3.3	0.00
27/08/2022 10:30	2.4	63	18	3.2	0.00
27/08/2022 10:40	2.5	48	13	3.2	0.00
27/08/2022 10:50	2.6	45	9	3.3	0.00
27/08/2022 11:00	2.5	53	13	3.1	0.00
27/08/2022 11:10	2.7	49	10	3.3	0.00
27/08/2022 11:20	2.7	52	11	3.3	0.00
27/08/2022 11:30	2.5	48	10	3.2	0.00
27/08/2022 11:40	2.3	52	13	2.8	0.00
27/08/2022 11:50	2.0	55	15	2.7	0.00
27/08/2022 12:00	2.3	55	14	2.8	0.00
27/08/2022 12:10	2.2	57	13	2.6	0.00
27/08/2022 12:20	2.2	51	12	2.9	0.00
27/08/2022 12:30	2.5	49	12	3.1	0.00
27/08/2022 12:40	2.3	52	13	2.9	0.00
27/08/2022 12:50	2.1	59	18	2.8	0.00
27/08/2022 13:00	2.7	65	15	3.4	0.00
27/08/2022 13:10	2.9	63	11	3.6	0.00
27/08/2022 13:20	2.6	64	13	3.4	0.00
27/08/2022 13:30	3.1	56	13	4.6	0.00
27/08/2022 13:40	3.6	65	13	5.0	0.00
27/08/2022 13:50	3.6	66	12	4.8	0.00
27/08/2022 14:00	3.8	63	14	5.5	0.00
27/08/2022 14:10	3.1	33	22	4.8	0.00
27/08/2022 14:20	3.4	347	16	4.7	0.00
27/08/2022 14:30	3.8	346	18	5.2	0.00
27/08/2022 14:40	4.0	350	16	5.5	0.00
27/08/2022 14:50	3.9	351	16	5.8	0.00
27/08/2022 15:00	4.1	176	12	5.4	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/08/2022 15:10	4.0	4	18	5.5	0.00
27/08/2022 15:20	4.1	350	14	5.9	0.00
27/08/2022 15:30	3.6	318	16	5.3	0.00
27/08/2022 15:40	3.2	306	22	5.2	0.00
27/08/2022 15:50	3.3	312	20	5.0	0.00
27/08/2022 16:00	4.2	323	14	6.0	0.00
27/08/2022 16:10	4.1	316	16	5.7	0.00
27/08/2022 16:20	3.6	318	16	5.2	0.00
27/08/2022 16:30	3.9	326	17	5.2	0.00
27/08/2022 16:40	2.9	316	22	4.6	0.00
27/08/2022 16:50	3.5	317	15	5.3	0.00
27/08/2022 17:00	3.5	321	17	4.9	0.00
27/08/2022 17:10	2.9	320	23	4.4	0.00
27/08/2022 17:20	3.1	324	15	4.8	0.00
27/08/2022 17:30	3.0	313	19	5.1	0.00
27/08/2022 17:40	3.0	307	21	4.5	0.00
27/08/2022 17:50	3.2	305	18	4.9	0.00
27/08/2022 18:00	3.5	299	18	5.2	0.00
27/08/2022 18:10	3.1	286	22	4.8	0.00
27/08/2022 18:20	3.0	282	21	4.7	0.00
27/08/2022 18:30	3.6	285	18	5.1	0.00
27/08/2022 18:40	2.9	290	20	4.3	0.00
27/08/2022 18:50	3.1	284	19	4.6	0.00
27/08/2022 19:00	2.7	278	19	4.1	0.00
27/08/2022 19:10	2.3	280	23	3.7	0.00
27/08/2022 19:20	2.6	277	20	4.0	0.00
27/08/2022 19:30	2.7	271	21	4.2	0.00
27/08/2022 19:40	2.6	269	20	4.0	0.00
27/08/2022 19:50	2.5	267	19	4.0	0.00
27/08/2022 20:00	2.5	258	25	4.5	0.00
27/08/2022 20:10	2.2	256	32	3.5	0.00
27/08/2022 20:20	1.8	256	31	2.8	0.00
27/08/2022 20:30	1.8	264	24	3.1	0.00
27/08/2022 20:40	1.8	269	24	2.8	0.00
27/08/2022 20:50	1.7	268	26	2.8	0.00
27/08/2022 21:00	1.9	272	24	2.6	0.00
27/08/2022 21:10	1.8	259	35	3.0	0.00
27/08/2022 21:20	1.8	274	29	3.4	0.00
27/08/2022 21:30	2.1	266	25	3.4	0.00
27/08/2022 21:40	1.8	271	22	2.5	0.00
27/08/2022 21:50	2.2	271	19	3.3	0.00
27/08/2022 22:00	1.9	266	26	3.0	0.00
27/08/2022 22:10	2.2	265	28	3.6	0.00
27/08/2022 22:20	2.2	267	23	3.3	0.00
27/08/2022 22:30	2.3	264	25	3.3	0.00





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/08/2022 22:40	1.9	232	35	3.9	0.00
27/08/2022 22:50	1.7	251	43	3.3	0.00
27/08/2022 23:00	1.7	222	48	3.1	0.00
27/08/2022 23:10	1.8	248	36	3.3	0.00
27/08/2022 23:20	1.4	238	51	2.5	0.00
27/08/2022 23:30	1.6	213	40	2.6	0.00
27/08/2022 23:40	1.6	202	44	3.0	0.00
27/08/2022 23:50	1.6	197	29	2.4	0.00
28/08/2022 00:00	1.2	175	25	2.1	0.00
28/08/2022 00:10	0.9	201	43	1.8	0.00
28/08/2022 00:20	1.1	182	15	2.0	0.00
28/08/2022 00:30	0.6	165	41	1.3	0.00
28/08/2022 00:40	1.0	174	41	1.5	0.00
28/08/2022 00:50	0.8	172	38	1.6	0.00
28/08/2022 01:00	0.7	184	71	1.4	0.00
28/08/2022 01:10	0.5	147	52	1.1	0.00
28/08/2022 01:20	0.9	258	46	1.6	0.00
28/08/2022 01:30	0.9	234	47	2.0	0.00
28/08/2022 01:40	1.1	216	40	2.1	0.00
28/08/2022 01:50	1.2	229	46	2.5	0.00
28/08/2022 02:00	2.0	239	25	3.1	0.00
28/08/2022 02:10	1.8	243	35	3.0	0.00
28/08/2022 02:20	2.5	238	25	4.1	0.00
28/08/2022 02:30	2.6	238	25	4.6	0.00
28/08/2022 02:40	2.2	250	24	3.7	0.00
28/08/2022 02:50	2.4	251	22	3.9	0.00
28/08/2022 03:00	2.3	241	31	4.0	0.00
28/08/2022 03:10	2.0	236	37	3.2	0.00
28/08/2022 03:20	1.8	238	36	3.4	0.00
28/08/2022 03:30	2.1	222	31	3.9	0.00
28/08/2022 03:40	1.7	239	30	3.2	0.00
28/08/2022 03:50	2.0	231	29	3.6	0.00
28/08/2022 04:00	2.9	211	23	4.8	0.00
28/08/2022 04:10	3.6	207	14	5.2	0.00
28/08/2022 04:20	4.0	205	13	5.7	0.00
28/08/2022 04:30	3.8	200	12	5.5	0.00
28/08/2022 04:40	4.3	205	14	5.7	0.00
28/08/2022 04:50	4.9	203	12	6.5	0.00
28/08/2022 05:00	4.9	205	12	6.5	0.00
28/08/2022 05:10	5.1	201	11	7.1	0.00
28/08/2022 05:20	5.5	203	13	7.5	0.00
28/08/2022 05:30	5.4	202	11	7.0	0.00
28/08/2022 05:40	5.5	200	10	7.3	0.00
28/08/2022 05:50	5.4	199	12	7.2	0.00
28/08/2022 06:00	6.0	194	11	8.1	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/08/2022 06:10	5.9	194	10	7.8	0.00
28/08/2022 06:20	6.0	194	12	8.2	0.00
28/08/2022 06:30	5.7	195	10	7.0	0.00
28/08/2022 06:40	5.5	192	10	7.5	0.00
28/08/2022 06:50	5.9	192	10	7.5	0.00
28/08/2022 07:00	6.2	196	10	7.9	0.00
28/08/2022 07:10	5.7	200	11	7.5	0.00
28/08/2022 07:20	5.8	196	11	7.9	0.00
28/08/2022 07:30	6.1	195	13	8.3	0.00
28/08/2022 07:40	6.2	195	10	8.2	0.00
28/08/2022 07:50	5.7	195	10	7.2	0.00
28/08/2022 08:00	4.9	197	12	6.7	0.00
28/08/2022 08:10	4.5	196	13	6.3	0.00
28/08/2022 08:20	3.9	191	12	5.6	0.00
28/08/2022 08:30	3.5	188	19	5.4	0.00
28/08/2022 08:40	4.0	192	13	5.8	0.00
28/08/2022 08:50	3.2	187	17	4.8	0.00
28/08/2022 09:00	2.2	176	26	3.8	0.00
28/08/2022 09:10	2.1	150	27	3.6	0.00
28/08/2022 09:20	2.6	129	23	3.9	0.00
28/08/2022 09:30	2.9	124	21	4.1	0.00
28/08/2022 09:40	3.2	118	18	4.8	0.00
28/08/2022 09:50	2.7	118	16	4.0	0.00
28/08/2022 10:00	2.9	116	20	4.3	0.00
28/08/2022 10:10	2.5	119	24	4.4	0.00
28/08/2022 10:20	3.2	117	16	5.2	0.00
28/08/2022 10:30	2.9	127	22	4.8	0.00
28/08/2022 10:40	2.5	121	30	4.4	0.00
28/08/2022 10:50	2.4	107	27	3.6	0.00
28/08/2022 11:00	2.1	91	21	3.4	0.00
28/08/2022 11:10	2.1	105	33	3.5	0.00
28/08/2022 11:20	2.1	60	21	3.0	0.00
28/08/2022 11:30	2.2	67	17	3.0	0.00
28/08/2022 11:40	2.1	52	18	3.0	0.00
28/08/2022 11:50	3.1	51	15	4.6	0.00
28/08/2022 12:00	4.6	49	8	5.4	0.00
28/08/2022 12:10	4.3	47	9	5.3	0.00
28/08/2022 12:20	3.6	47	13	4.8	0.00
28/08/2022 12:30	3.4	48	12	4.8	0.00
28/08/2022 12:40	3.6	51	12	4.7	0.00
28/08/2022 12:50	3.9	50	11	5.3	0.00
28/08/2022 13:00	4.0	48	12	5.3	0.00
28/08/2022 13:10	4.0	48	12	5.4	0.00
28/08/2022 13:20	4.4	48	11	5.6	0.00
28/08/2022 13:30	3.7	50	11	5.5	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/08/2022 13:40	3.5	54	12	4.5	0.00
28/08/2022 13:50	3.9	53	10	5.1	0.00
28/08/2022 14:00	4.0	50	10	5.0	0.00
28/08/2022 14:10	4.1	50	12	5.3	0.00
28/08/2022 14:20	3.7	55	13	5.1	0.00
28/08/2022 14:30	3.5	48	14	4.8	0.00
28/08/2022 14:40	2.7	174	33	4.2	0.00
28/08/2022 14:50	3.8	329	14	5.2	0.00
28/08/2022 15:00	3.8	324	14	5.6	0.00
28/08/2022 15:10	3.7	325	17	5.0	0.00
28/08/2022 15:20	3.9	329	19	5.4	0.00
28/08/2022 15:30	3.6	323	15	5.4	0.00
28/08/2022 15:40	3.9	322	18	5.4	0.00
28/08/2022 15:50	3.0	310	24	5.0	0.00
28/08/2022 16:00	3.1	299	19	4.7	0.00
28/08/2022 16:10	3.7	300	19	5.8	0.00
28/08/2022 16:20	3.4	297	23	5.7	0.00
28/08/2022 16:30	3.3	287	26	5.6	0.00
28/08/2022 16:40	3.0	279	24	4.6	0.00
28/08/2022 16:50	2.9	284	22	5.1	0.00
28/08/2022 17:00	3.3	283	24	5.6	0.00
28/08/2022 17:10	3.3	301	19	5.4	0.00
28/08/2022 17:20	2.9	291	23	4.4	0.00
28/08/2022 17:30	3.2	294	18	4.7	0.00
28/08/2022 17:40	2.7	299	21	4.7	0.00
28/08/2022 17:50	3.1	293	22	4.6	0.00
28/08/2022 18:00	2.6	286	20	4.3	0.00
28/08/2022 18:10	2.4	298	21	3.7	0.00
28/08/2022 18:20	2.3	299	22	3.7	0.00
28/08/2022 18:30	2.2	296	25	3.9	0.00
28/08/2022 18:40	2.6	282	19	4.2	0.00
28/08/2022 18:50	2.7	280	20	4.4	0.00
28/08/2022 19:00	2.5	284	20	3.9	0.00
28/08/2022 19:10	2.0	293	28	3.2	0.00
28/08/2022 19:20	1.9	284	28	3.2	0.00
28/08/2022 19:30	2.1	287	22	3.4	0.00
28/08/2022 19:40	1.7	291	24	2.7	0.00
28/08/2022 19:50	1.9	280	20	3.0	0.00
28/08/2022 20:00	1.7	263	27	3.4	0.00
28/08/2022 20:10	2.1	258	24	3.2	0.00
28/08/2022 20:20	2.0	262	26	3.2	0.00
28/08/2022 20:30	1.9	269	23	2.8	0.00
28/08/2022 20:40	1.7	263	25	2.8	0.00
28/08/2022 20:50	1.7	255	29	3.0	0.00
28/08/2022 21:00	1.8	260	21	2.8	0.00



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/08/2022 21:10	1.4	232	38	2.6	0.00
28/08/2022 21:20	1.5	233	30	2.4	0.00
28/08/2022 21:30	1.6	262	30	2.6	0.00
28/08/2022 21:40	1.2	230	42	2.0	0.00
28/08/2022 21:50	1.0	259	43	1.9	0.00
28/08/2022 22:00	1.0	246	43	2.2	0.00
28/08/2022 22:10	1.5	269	41	2.7	0.00
28/08/2022 22:20	1.4	254	38	2.4	0.00
28/08/2022 22:30	1.5	253	40	2.7	0.00
28/08/2022 22:40	1.3	242	33	2.7	0.00
28/08/2022 22:50	1.3	247	35	2.3	0.00
28/08/2022 23:00	1.4	238	33	2.4	0.00
28/08/2022 23:10	1.3	209	27	2.0	0.00
28/08/2022 23:20	2.3	194	15	3.5	0.00
28/08/2022 23:30	1.5	239	31	2.4	0.00
28/08/2022 23:40	1.5	180	16	2.7	0.00
28/08/2022 23:50	1.8	200	10	2.5	0.00
29/08/2022 00:00	1.4	210	11	1.7	0.00
29/08/2022 00:10	1.5	227	19	2.1	0.00
29/08/2022 00:20	2.2	193	26	3.6	0.00
29/08/2022 00:30	1.4	107	58	2.9	0.00
29/08/2022 00:40	4.0	194	14	5.8	0.00
29/08/2022 00:50	4.8	192	12	6.4	0.00
29/08/2022 01:00	5.1	188	12	6.8	0.00
29/08/2022 01:10	5.5	192	11	7.5	0.00
29/08/2022 01:20	5.4	193	10	7.0	0.00
29/08/2022 01:30	5.4	190	9	7.0	0.00
29/08/2022 01:40	5.4	196	10	7.1	0.00
29/08/2022 01:50	4.4	194	13	5.9	0.00
29/08/2022 02:00	3.9	192	15	6.0	0.00
29/08/2022 02:10	4.0	190	16	5.7	0.00
29/08/2022 02:20	3.2	160	22	4.9	0.00
29/08/2022 02:30	2.8	147	17	4.2	0.00
29/08/2022 02:40	3.0	152	18	4.6	0.00
29/08/2022 02:50	2.8	153	18	4.5	0.00
29/08/2022 03:00	2.2	131	26	4.0	0.00
29/08/2022 03:10	2.5	125	23	4.0	0.00
29/08/2022 03:20	2.6	127	26	4.8	0.00
29/08/2022 03:30	2.6	112	24	4.2	0.00
29/08/2022 03:40	2.5	125	27	4.4	0.00
29/08/2022 03:50	1.5	118	29	2.6	0.00
29/08/2022 04:00	1.9	117	28	3.6	0.00
29/08/2022 04:10	2.0	114	28	4.0	0.00
29/08/2022 04:20	2.3	104	24	4.0	0.00
29/08/2022 04:30	2.5	112	20	3.9	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/08/2022 04:40	2.5	117	20	3.7	0.00
29/08/2022 04:50	1.8	105	20	2.6	0.00
29/08/2022 05:00	2.3	122	23	4.3	0.00
29/08/2022 05:10	1.8	94	18	2.9	0.00
29/08/2022 05:20	2.7	124	21	4.8	0.00
29/08/2022 05:30	2.0	108	28	3.3	0.00
29/08/2022 05:40	1.5	109	14	2.3	0.00
29/08/2022 05:50	2.0	117	13	2.7	0.00
29/08/2022 06:00	2.0	107	13	2.9	0.00
29/08/2022 06:10	1.8	111	22	2.8	0.00
29/08/2022 06:20	1.8	115	17	2.8	0.00
29/08/2022 06:30	2.1	107	27	4.6	0.00
29/08/2022 06:40	1.8	98	24	3.1	0.00
29/08/2022 06:50	2.5	106	19	4.1	0.00
29/08/2022 07:00	2.5	113	24	4.8	0.00
29/08/2022 07:10	2.4	101	24	3.7	0.00
29/08/2022 07:20	2.8	103	28	5.4	0.00
29/08/2022 07:30	3.8	109	21	6.5	0.00
29/08/2022 07:40	4.2	114	28	7.5	0.00
29/08/2022 07:50	4.4	106	24	7.2	0.00
29/08/2022 08:00	4.7	109	26	7.9	0.00
29/08/2022 08:10	4.6	110	26	8.1	0.00
29/08/2022 08:20	4.2	107	22	8.4	0.00
29/08/2022 08:30	4.5	105	23	7.3	0.00
29/08/2022 08:40	4.7	102	22	8.3	0.00
29/08/2022 08:50	4.6	101	25	8.6	0.00
29/08/2022 09:00	4.4	100	24	7.6	0.00
29/08/2022 09:10	4.0	95	23	7.3	0.00
29/08/2022 09:20	4.5	92	19	6.8	0.00
29/08/2022 09:30	4.0	91	20	6.5	0.00
29/08/2022 09:40	5.1	86	16	7.3	0.00
29/08/2022 09:50	5.2	83	13	7.5	0.00
29/08/2022 10:00	4.7	85	15	6.9	0.00
29/08/2022 10:10	4.2	75	16	6.0	0.00
29/08/2022 10:20	4.0	68	15	5.7	0.00
29/08/2022 10:30	4.0	60	15	5.9	0.00
29/08/2022 10:40	4.3	56	10	5.6	0.00
29/08/2022 10:50	4.8	58	9	6.2	0.00
29/08/2022 11:00	4.7	57	12	6.0	0.00
29/08/2022 11:10	4.6	56	10	5.9	0.00
29/08/2022 11:20	4.5	60	10	5.6	0.00
29/08/2022 11:30	4.2	62	11	5.8	0.00
29/08/2022 11:40	4.2	48	11	5.6	0.00
29/08/2022 11:50	4.6	49	12	6.1	0.00
29/08/2022 12:00	4.7	51	11	6.0	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/08/2022 12:10	4.6	48	11	6.4	0.00
29/08/2022 12:20	4.5	48	12	6.0	0.00
29/08/2022 12:30	4.6	50	11	6.3	0.00
29/08/2022 12:40	4.5	51	11	6.4	0.00
29/08/2022 12:50	4.5	50	10	5.8	0.00
29/08/2022 13:00	4.2	51	12	5.8	0.00
29/08/2022 13:10	4.0	53	12	5.6	0.00
29/08/2022 13:20	3.9	52	13	5.2	0.00
29/08/2022 13:30	3.7	51	12	5.2	0.00
29/08/2022 13:40	3.5	52	15	5.0	0.00
29/08/2022 13:50	3.2	47	15	4.4	0.00
29/08/2022 14:00	3.5	46	14	4.8	0.00
29/08/2022 14:10	3.4	46	15	4.8	0.00
29/08/2022 14:20	3.5	48	13	5.2	0.00
29/08/2022 14:30	3.4	47	15	4.7	0.00
29/08/2022 14:40	3.3	48	15	4.5	0.00
29/08/2022 14:50	3.2	52	14	4.3	0.00
29/08/2022 15:00	2.8	47	16	4.0	0.00
29/08/2022 15:10	3.6	46	13	4.8	0.00
29/08/2022 15:20	3.6	43	11	5.0	0.00
29/08/2022 15:30	3.8	42	13	5.3	0.00
29/08/2022 15:40	3.4	42	15	4.7	0.00
29/08/2022 15:50	3.2	47	13	4.4	0.00
29/08/2022 16:00	3.3	45	15	4.2	0.00
29/08/2022 16:10	2.8	39	16	4.1	0.00
29/08/2022 16:20	3.1	40	13	4.2	0.00
29/08/2022 16:30	2.6	48	15	4.1	0.00
29/08/2022 16:40	2.4	50	16	3.2	0.00
29/08/2022 16:50	2.2	52	14	3.2	0.00
29/08/2022 17:00	2.1	60	15	3.1	0.00
29/08/2022 17:10	1.8	57	14	2.9	0.00
29/08/2022 17:20	1.7	55	16	2.7	0.00
29/08/2022 17:30	1.7	45	20	2.5	0.00
29/08/2022 17:40	1.4	35	14	2.2	0.00
29/08/2022 17:50	1.4	349	17	2.3	0.00
29/08/2022 18:00	0.3	273	34	0.9	0.00
29/08/2022 18:10	0.6	278	40	0.8	0.00
29/08/2022 18:20	0.2	242	42	0.8	0.00
29/08/2022 18:30	0.3	154	56	0.8	0.00
29/08/2022 18:40	0.2	345	25	0.7	0.00
29/08/2022 18:50	0.5	286	18	1.1	0.00
29/08/2022 19:00	0.7	258	41	1.0	0.00
29/08/2022 19:10	0.8	286	16	1.2	0.00
29/08/2022 19:20	0.9	291	19	1.2	0.00
29/08/2022 19:30	0.8	296	21	1.2	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/08/2022 19:40	0.3	179	20	0.8	0.00
29/08/2022 19:50	1.7	274	19	2.3	0.00
29/08/2022 20:00	1.5	260	21	2.0	0.00
29/08/2022 20:10	1.4	276	18	1.8	0.00
29/08/2022 20:20	1.6	268	8	2.0	0.00
29/08/2022 20:30	1.3	277	12	1.8	0.00
29/08/2022 20:40	1.6	256	12	2.2	0.00
29/08/2022 20:50	1.4	257	15	2.0	0.00
29/08/2022 21:00	1.3	242	15	2.0	0.00
29/08/2022 21:10	1.4	225	15	1.9	0.00
29/08/2022 21:20	0.8	287	36	1.2	0.00
29/08/2022 21:30	0.3	147	34	0.7	0.00
29/08/2022 21:40	0.4	84	33	0.9	0.00
29/08/2022 21:50	0.7	161	8	0.9	0.00
29/08/2022 22:00	0.5	218	19	1.0	0.00
29/08/2022 22:10	0.3	33	12	1.0	0.00
29/08/2022 22:20	1.0	329	29	1.6	0.00
29/08/2022 22:30	2.0	233	40	3.3	0.00
29/08/2022 22:40	3.4	209	12	5.1	0.00
29/08/2022 22:50	2.8	208	19	4.2	0.00
29/08/2022 23:00	3.7	211	18	5.6	0.00
29/08/2022 23:10	3.6	211	16	5.6	0.00
29/08/2022 23:20	4.1	208	15	6.1	0.00
29/08/2022 23:30	4.8	201	11	6.4	0.00
29/08/2022 23:40	4.5	205	13	6.0	0.00
29/08/2022 23:50	3.8	202	14	5.6	0.00
30/08/2022 00:00	3.9	203	12	5.2	0.00
30/08/2022 00:10	4.9	196	10	6.5	0.00
30/08/2022 00:20	4.6	194	12	6.3	0.00
30/08/2022 00:30	4.4	188	14	6.1	0.00
30/08/2022 00:40	3.9	190	12	5.6	0.00
30/08/2022 00:50	3.9	204	12	5.7	0.00
30/08/2022 01:00	2.4	259	21	4.0	0.00
30/08/2022 01:10	1.9	236	36	3.6	0.00
30/08/2022 01:20	2.4	207	26	4.0	0.00
30/08/2022 01:30	3.5	195	12	4.9	0.00
30/08/2022 01:40	3.6	190	14	5.4	0.00
30/08/2022 01:50	4.2	194	12	5.6	0.00
30/08/2022 02:00	3.1	190	13	4.3	0.00
30/08/2022 02:10	4.0	196	10	5.3	0.00
30/08/2022 02:20	4.1	198	10	5.0	0.00
30/08/2022 02:30	3.3	202	14	5.2	0.00
30/08/2022 02:40	2.7	201	18	3.9	0.00
30/08/2022 02:50	3.8	196	11	5.2	0.00
30/08/2022 03:00	3.7	198	12	4.7	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/08/2022 03:10	3.2	193	11	4.7	0.00
30/08/2022 03:20	3.3	194	11	4.4	0.00
30/08/2022 03:30	3.8	192	11	5.3	0.00
30/08/2022 03:40	3.6	188	11	5.2	0.00
30/08/2022 03:50	3.8	189	11	5.0	0.00
30/08/2022 04:00	3.6	190	10	4.8	0.00
30/08/2022 04:10	4.0	184	11	5.6	0.00
30/08/2022 04:20	4.0	183	11	5.2	0.00
30/08/2022 04:30	3.2	194	11	4.7	0.00
30/08/2022 04:40	3.4	197	10	4.3	0.00
30/08/2022 04:50	2.7	202	14	3.7	0
30/08/2022 05:00	1.8	262	26	2.6	0
30/08/2022 05:10	1.4	154	42	2.3	0
30/08/2022 05:20	1	244	45	1.9	0
30/08/2022 05:30	1.7	179	20	2.6	0
30/08/2022 05:40	2.1	189	14	2.9	0
30/08/2022 05:50	1.1	145	28	2.1	0
30/08/2022 06:00	1.7	184	21	3.3	0
30/08/2022 06:10	1	178	26	1.9	0
30/08/2022 06:20	0.5	182	66	1.2	0
30/08/2022 06:30	1.1	146	48	2.8	0
30/08/2022 06:40	2.7	186	19	4.1	0
30/08/2022 06:50	2.5	178	18	3.7	0
30/08/2022 07:00	2.8	169	16	4.4	0
30/08/2022 07:10	2.5	155	21	3.9	0
30/08/2022 07:20	2.4	149	18	4.1	0
30/08/2022 07:30	2.5	136	19	4.3	0
30/08/2022 07:40	2.4	129	21	3.6	0
30/08/2022 07:50	2.2	124	24	3.6	0
30/08/2022 08:00	2.7	107	18	4.1	0
30/08/2022 08:10	2.6	111	19	4	0
30/08/2022 08:20	2.3	111	17	3.5	0
30/08/2022 08:30	2.1	89	23	3.4	0
30/08/2022 08:40	2.2	110	19	3.2	0
30/08/2022 08:50	2.5	119	13	3.7	0
30/08/2022 09:00	2.3	117	16	3.4	0
30/08/2022 09:10	2.8	117	16	4	0
30/08/2022 09:20	2.7	116	16	3.6	0
30/08/2022 09:30	2.7	97	23	4	0
30/08/2022 09:40	2.7	92	19	4	0
30/08/2022 09:50	2.6	87	17	4.3	0
30/08/2022 10:00	2.9	86	17	4.3	0
30/08/2022 10:10	3.3	79	15	4.8	0
30/08/2022 10:20	3.5	77	13	4.8	0
30/08/2022 10:30	3.2	75	14	4.7	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/08/2022 10:40	2.9	63	17	4.1	0
30/08/2022 10:50	3.5	66	13	5	0
30/08/2022 11:00	3.8	72	15	5.3	0
30/08/2022 11:10	3.5	60	13	5.2	0
30/08/2022 11:20	4.7	58	9	6.1	0
30/08/2022 11:30	5	58	10	6.1	0
30/08/2022 11:40	4.2	56	14	6.4	0
30/08/2022 11:50	4.2	51	12	5.8	0
30/08/2022 12:00	4.3	49	13	6	0
30/08/2022 12:10	4.1	49	12	5.4	0
30/08/2022 12:20	4.2	47	14	5.7	0
30/08/2022 12:30	3.6	44	15	4.8	0
30/08/2022 12:40	3.7	45	11	5.2	0
30/08/2022 12:50	3.9	44	12	5.5	0
30/08/2022 13:00	3.7	43	12	5	0
30/08/2022 13:10	3.3	46	13	4.6	0
30/08/2022 13:20	3.3	52	13	4.4	0
30/08/2022 13:30	3.2	51	14	4.8	0
30/08/2022 13:40	3.6	44	10	4.8	0
30/08/2022 13:50	3.1	45	14	4.3	0
30/08/2022 14:00	2.4	60	14	3.2	0
30/08/2022 14:10	2.2	65	17	3.1	0
30/08/2022 14:20	2.4	70	18	3.2	0
30/08/2022 14:30	2.5	67	14	3.2	0
30/08/2022 14:40	2.4	64	12	3.2	0
30/08/2022 14:50	2.4	57	17	3.3	0
30/08/2022 15:00	2.1	50	20	3.2	0
30/08/2022 15:10	2.4	68	15	3.5	0
30/08/2022 15:20	2.5	73	14	3.5	0
30/08/2022 15:30	3.3	48	11	4.5	0
30/08/2022 15:40	3.7	47	10	4.7	0
30/08/2022 15:50	3.5	48	10	4.4	0
30/08/2022 16:00	3.1	46	12	4	0
30/08/2022 16:10	2.5	53	12	3.7	0
30/08/2022 16:20	1.8	59	15	2.8	0
30/08/2022 16:30	1.7	69	20	2.5	0
30/08/2022 16:40	1.7	70	17	2.7	0
30/08/2022 16:50	1.6	74	17	2.7	0
30/08/2022 17:00	1.7	74	22	2.6	0
30/08/2022 17:10	1.7	77	17	2.6	0
30/08/2022 17:20	1.6	68	17	2.6	0
30/08/2022 17:30	1.6	76	17	2.4	0
30/08/2022 17:40	1.3	88	17	2	0
30/08/2022 17:50	0.9	74	18	1.5	0
30/08/2022 18:00	0.8	92	16	1.2	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/08/2022 18:10	0.5	110	16	1.1	0
30/08/2022 18:20	0.5	121	14	0.8	0
30/08/2022 18:30	0.1	156	5	0.8	0
30/08/2022 18:40	0.7	120	26	0.9	0
30/08/2022 18:50	0.3	121	9	0.8	0
30/08/2022 19:00	0.4	195	11	0.8	0
30/08/2022 19:10	0.2	111	12	0.7	0
30/08/2022 19:20	0.3	188	11	0.5	0
30/08/2022 19:30	0.2	218	6	0.5	0
30/08/2022 19:40	0	89	0	0.4	0
30/08/2022 19:50	0.6	199	13	0.9	0
30/08/2022 20:00	0.3	100	12	0.8	0
30/08/2022 20:10	0.4	323	17	0.9	0
30/08/2022 20:20	0.9	274	14	1.1	0
30/08/2022 20:30	0.9	290	7	1.2	0
30/08/2022 20:40	1.1	310	12	1.4	0
30/08/2022 20:50	1.2	284	12	1.6	0
30/08/2022 21:00	0.9	249	13	1.3	0
30/08/2022 21:10	0.7	235	20	1.1	0
30/08/2022 21:20	0.7	255	27	1.3	0
30/08/2022 21:30	1.1	240	39	1.7	0
30/08/2022 21:40	1.1	105	28	1.7	0
30/08/2022 21:50	0.7	149	22	1.2	0
30/08/2022 22:00	1.1	200	40	1.6	0
30/08/2022 22:10	1.3	221	20	2.1	0
30/08/2022 22:20	1.6	228	19	2.4	0
30/08/2022 22:30	1.5	209	29	2.8	0
30/08/2022 22:40	1.5	241	43	2.4	0
30/08/2022 22:50	1.6	296	10	2.1	0
30/08/2022 23:00	1.3	270	23	1.8	0
30/08/2022 23:10	0.8	147	28	1.4	0
30/08/2022 23:20	0.9	206	33	1.3	0
30/08/2022 23:30	0.2	154	22	0.7	0
30/08/2022 23:40	0.2	100	9	0.8	0
30/08/2022 23:50	0.4	250	32	0.9	0
31/08/2022 00:00	0.8	244	57	1.5	0
31/08/2022 00:10	0.5	232	55	1	0
31/08/2022 00:20	1.1	210	25	1.7	0
31/08/2022 00:30	1.1	241	20	1.7	0
31/08/2022 00:40	1	266	26	1.5	0
31/08/2022 00:50	0.7	186	34	1	0
31/08/2022 01:00	0.6	275	39	1	0
31/08/2022 01:10	0.5	203	22	1	0
31/08/2022 01:20	0.3	230	19	0.9	0
31/08/2022 01:30	0.8	268	13	1.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/08/2022 01:40	0.8	284	44	1.2	0
31/08/2022 01:50	1.3	273	16	1.8	0
31/08/2022 02:00	1.5	258	16	2.2	0
31/08/2022 02:10	1.4	220	29	2	0
31/08/2022 02:20	1.2	235	30	1.8	0
31/08/2022 02:30	1.5	249	26	2.3	0
31/08/2022 02:40	1.2	242	27	1.9	0
31/08/2022 02:50	1.2	213	24	2	0
31/08/2022 03:00	1.2	215	27	1.8	0
31/08/2022 03:10	1.5	241	36	2.1	0
31/08/2022 03:20	1.3	253	27	2.3	0
31/08/2022 03:30	1.4	251	25	2.1	0
31/08/2022 03:40	1.5	248	37	2.1	0
31/08/2022 03:50	1.2	250	30	2	0
31/08/2022 04:00	1.3	226	20	2.3	0
31/08/2022 04:10	1.5	232	18	2.2	0
31/08/2022 04:20	1.4	236	25	2	0
31/08/2022 04:30	1.6	210	20	2.4	0
31/08/2022 04:40	1.7	203	16	2.5	0
31/08/2022 04:50	1.4	218	23	2.3	0
31/08/2022 05:00	1.7	204	16	2.1	0
31/08/2022 05:10	1.5	202	16	2.3	0
31/08/2022 05:20	1.4	210	19	2.1	0
31/08/2022 05:30	1.7	205	12	2.3	0
31/08/2022 05:40	1.4	205	17	2.1	0
31/08/2022 05:50	1.6	230	20	2.3	0
31/08/2022 06:00	1.3	234	30	2.3	0
31/08/2022 06:10	0.9	131	61	1.5	0
31/08/2022 06:20	0.4	197	21	0.8	0
31/08/2022 06:30	0.3	130	39	0.8	0
31/08/2022 06:40	0.3	90	20	0.7	0
31/08/2022 06:50	0.5	240	25	1.2	0
31/08/2022 07:00	0.7	107	37	1.2	0
31/08/2022 07:10	0.7	181	48	1.1	0
31/08/2022 07:20	0	114	0	0.4	0
31/08/2022 07:30	0.1	178	6	0.5	0
31/08/2022 07:40					0
31/08/2022 07:50	0.9	67	11	1.1	0
31/08/2022 08:00	1.2	39	10	1.5	0
31/08/2022 08:10	1.3	32	12	1.7	0
31/08/2022 08:20	0.8	51	16	1.3	0
31/08/2022 08:30	1.5	44	12	1.9	0
31/08/2022 08:40	1.7	99	23	2.2	0
31/08/2022 08:50	1.3	104	14	1.8	0
31/08/2022 09:00	1.1	75	21	1.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/08/2022 09:10	1.4	93	16	1.9	0
31/08/2022 09:20	1.1	72	19	1.7	0
31/08/2022 09:30	1.7	46	14	2.3	0
31/08/2022 09:40	2.1	102	14	2.7	0
31/08/2022 09:50	2.3	110	14	3.2	0
31/08/2022 10:00	2.2	111	17	3.1	0
31/08/2022 10:10	2.4	102	13	3.4	0
31/08/2022 10:20	2.2	73	21	3.2	0
31/08/2022 10:30	3	47	9	3.8	0
31/08/2022 10:40	2.6	53	15	3.4	0
31/08/2022 10:50	2.8	49	14	3.6	0
31/08/2022 11:00	2.5	54	14	3.4	0
31/08/2022 11:10	2.6	57	14	3.4	0
31/08/2022 11:20	2.5	73	16	3.2	0
31/08/2022 11:30	2.4	68	21	3.4	0
31/08/2022 11:40	2.6	72	21	3.5	0
31/08/2022 11:50	3	62	14	4	0
31/08/2022 12:00	2.7	68	11	3.4	0
31/08/2022 12:10	3.2	58	9	4.1	0
31/08/2022 12:20	3.3	53	11	4.3	0
31/08/2022 12:30	3.3	65	8	4	0
31/08/2022 12:40	3.5	64	9	4.4	0
31/08/2022 12:50	3.3	55	13	4.4	0
31/08/2022 13:00	3.1	65	17	4.2	0
31/08/2022 13:10	2.9	58	13	3.9	0
31/08/2022 13:20	2.8	66	18	4.2	0
31/08/2022 13:30	2.7	63	14	3.6	0
31/08/2022 13:40	2.7	63	19	4.1	0
31/08/2022 13:50	2.8	49	23	4.1	0
31/08/2022 14:00	2.8	52	25	4.3	0
31/08/2022 14:10	2.9	37	20	4.2	0
31/08/2022 14:20	3.1	19	19	4.4	0
31/08/2022 14:30	3.3	355	18	4.6	0
31/08/2022 14:40	3.6	353	14	5.7	0
31/08/2022 14:50	3.6	345	19	5.4	0
31/08/2022 15:00	3	344	23	4.5	0
31/08/2022 15:10	3.3	327	22	4.7	0
31/08/2022 15:20	3.3	333	17	5.6	0
31/08/2022 15:30	3	337	21	4.9	0
31/08/2022 15:40	3.1	333	19	4.8	0
31/08/2022 15:50	3.2	331	20	5	0
31/08/2022 16:00	3.1	326	17	4.9	0
31/08/2022 16:10	2.6	319	21	4.4	0
31/08/2022 16:20	3.2	318	14	4.6	0
31/08/2022 16:30	3	327	21	4.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/08/2022 16:40	2.9	335	16	4.4	0
31/08/2022 16:50	3	326	15	4.3	0
31/08/2022 17:00	2.6	318	19	3.9	0
31/08/2022 17:10	2.5	325	16	3.9	0
31/08/2022 17:20	2.6	313	21	3.8	0
31/08/2022 17:30	2.6	302	17	4	0
31/08/2022 17:40	2.8	302	17	4	0
31/08/2022 17:50	2.7	308	17	3.8	0
31/08/2022 18:00	2.4	314	17	3.4	0
31/08/2022 18:10	2.8	326	15	4.5	0
31/08/2022 18:20	3.2	327	15	4.3	0
31/08/2022 18:30	2.9	328	17	4.5	0
31/08/2022 18:40	2.4	319	20	4	0
31/08/2022 18:50	1.9	317	22	2.9	0
31/08/2022 19:00	2	309	22	3.3	0
31/08/2022 19:10	2.2	301	19	3.5	0
31/08/2022 19:20	2	300	18	3.2	0
31/08/2022 19:30	2.4	301	18	3.7	0
31/08/2022 19:40	2.1	297	17	3.6	0
31/08/2022 19:50	2	305	18	2.9	0
31/08/2022 20:00	1.9	307	17	2.6	0
31/08/2022 20:10	1.9	305	19	3.2	0
31/08/2022 20:20	1.8	308	21	2.6	0
31/08/2022 20:30	1.7	297	17	2.8	0
31/08/2022 20:40	2.1	308	12	2.9	0
31/08/2022 20:50	1.7	292	24	2.9	0
31/08/2022 21:00	1.7	250	31	3	0
31/08/2022 21:10	1.7	252	24	2.5	0
31/08/2022 21:20	1.5	256	22	2.2	0
31/08/2022 21:30	1.7	265	20	2.7	0
31/08/2022 21:40	1.4	254	31	2.4	0
31/08/2022 21:50	1.4	260	22	2.1	0
31/08/2022 22:00	1.5	259	21	2.1	0
31/08/2022 22:10	1.3	259	23	2.1	0
31/08/2022 22:20	1.1	276	28	1.6	0
31/08/2022 22:30	1.3	292	30	2	0
31/08/2022 22:40	1.5	333	8	2	0
31/08/2022 22:50	1.5	306	15	2	0
31/08/2022 23:00	1.2	292	21	1.8	0
31/08/2022 23:10	1.5	302	17	2	0
31/08/2022 23:20	1.3	299	20	2.3	0
31/08/2022 23:30	1.1	287	14	1.5	0
31/08/2022 23:40	1.2	335	12	1.7	0
31/08/2022 23:50	1.4	321	17	2.1	0
09/01/2022 00:00	1.1	296	15	1.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/01/2022 00:10	1.1	322	17	1.6	0
09/01/2022 00:20	0.8	217	31	1.4	0
09/01/2022 00:30	1	216	22	1.6	0
09/01/2022 00:40	0.6	241	17	1.2	0
09/01/2022 00:50	0.3	274	31	0.7	0
09/01/2022 01:00	1.1	303	13	1.3	0
09/01/2022 01:10	0.6	250	19	1	0
09/01/2022 01:20	0.5	218	18	1	0
09/01/2022 01:30	1.2	266	41	1.4	0
09/01/2022 01:40	0.5	296	17	1	0
09/01/2022 01:50	0.1	282	1	0.5	0
09/01/2022 02:00	0.5	175	10	0.8	0
09/01/2022 02:10	0.9	185	13	1.7	0
09/01/2022 02:20	0.8	79	39	1.2	0
09/01/2022 02:30	0.1	36	6	0.6	0
09/01/2022 02:40					0
09/01/2022 02:50	0.2	41	35	0.8	0
09/01/2022 03:00	1.9	137	20	2.8	0
09/01/2022 03:10	2.9	151	14	4	0
09/01/2022 03:20	2.1	151	20	3.1	0
09/01/2022 03:30	2.6	158	18	3.9	0
09/01/2022 03:40	2.5	163	15	3.9	0
09/01/2022 03:50	2.7	178	13	4	0
09/01/2022 04:00	2.2	173	18	3.1	0
09/01/2022 04:10	2.6	150	16	3.8	0
09/01/2022 04:20	2	144	17	3	0
09/01/2022 04:30	1.7	144	20	2.4	0
09/01/2022 04:40	2	126	17	2.9	0
09/01/2022 04:50	2	128	19	2.9	0
09/01/2022 05:00	1.8	134	16	2.8	0
09/01/2022 05:10	2.1	129	21	3	0
09/01/2022 05:20	1.6	132	17	2.3	0
09/01/2022 05:30	1.7	125	22	2.7	0
09/01/2022 05:40	1.6	117	20	2.5	0
09/01/2022 05:50	1.7	120	16	2.4	0
09/01/2022 06:00	1.7	102	19	2.4	0
09/01/2022 06:10	1.4	96	17	2.1	0
09/01/2022 06:20	1.4	95	19	2.4	0
09/01/2022 06:30	1.6	100	17	2.4	0
09/01/2022 06:40	1.9	67	15	2.8	0
09/01/2022 06:50	2.2	61	14	3.2	0
09/01/2022 07:00	2.4	58	12	3.2	0
09/01/2022 07:10	2.5	57	13	3.5	0
09/01/2022 07:20	2.3	52	15	3.5	0
09/01/2022 07:30	1.7	22	14	2.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/01/2022 07:40	1.6	30	13	2.2	0
09/01/2022 07:50	1.4	48	16	1.9	0
09/01/2022 08:00	2	58	14	2.7	0
09/01/2022 08:10	2.3	65	12	2.9	0
09/01/2022 08:20	2.6	102	16	3.6	0
09/01/2022 08:30	2.7	122	24	3.8	0
09/01/2022 08:40	2.6	105	15	3.6	0
09/01/2022 08:50	2.8	85	12	3.8	0
09/01/2022 09:00	2.6	87	15	3.5	0
09/01/2022 09:10	2.5	86	20	4.2	0
09/01/2022 09:20	1.9	90	21	3.1	0
09/01/2022 09:30	2	110	26	3.5	0
09/01/2022 09:40	2.2	96	20	3.2	0
09/01/2022 09:50	2.1	85	19	3.4	0
09/01/2022 10:00	2.5	88	15	3.6	0
09/01/2022 10:10	2.4	68	16	3.4	0
09/01/2022 10:20	2.8	59	15	3.8	0
09/01/2022 10:30	2.7	70	18	3.6	0
09/01/2022 10:40	2.9	59	13	4.3	0
09/01/2022 10:50	3.3	59	18	4.8	0
09/01/2022 11:00	4.5	61	16	6.5	0
09/01/2022 11:10	5.3	57	10	7.2	0
09/01/2022 11:20	5.1	57	11	6.7	0
09/01/2022 11:30	4.8	58	11	6.2	0
09/01/2022 11:40	4.1	59	14	5.7	0
09/01/2022 11:50	4.3	58	11	5.7	0
09/01/2022 12:00	4.3	61	12	5.8	0
09/01/2022 12:10	3.9	59	13	5.4	0
09/01/2022 12:20	3.7	56	14	4.8	0
09/01/2022 12:30	4	61	11	5.2	0
09/01/2022 12:40	3.7	56	12	4.8	0
09/01/2022 12:50	3.6	57	13	4.8	0
09/01/2022 13:00	4.1	57	10	5.2	0
09/01/2022 13:10	3.6	61	11	4.6	0
09/01/2022 13:20	3.8	58	11	4.8	0
09/01/2022 13:30	3.9	59	12	5.1	0
09/01/2022 13:40	3.9	57	14	5.4	0
09/01/2022 13:50	4.2	58	13	5.6	0
09/01/2022 14:00	4.5	52	13	5.8	0
09/01/2022 14:10	4	49	13	5.4	0
09/01/2022 14:20	4.3	41	11	5.8	0
09/01/2022 14:30	4.3	43	13	5.7	0
09/01/2022 14:40	4.2	41	13	5.5	0
09/01/2022 14:50	4.2	39	13	5.5	0
09/01/2022 15:00	4.3	37	14	5.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/01/2022 15:10	4.9	36	12	6.7	0
09/01/2022 15:20	4.5	39	14	5.8	0
09/01/2022 15:30	4.4	39	13	5.9	0
09/01/2022 15:40	4.2	31	14	5.6	0
09/01/2022 15:50	4	42	15	5.6	0
09/01/2022 16:00	4.3	41	12	6	0
09/01/2022 16:10	3.7	38	13	4.9	0
09/01/2022 16:20	3.2	35	14	4.5	0
09/01/2022 16:30	3	35	16	4	0
09/01/2022 16:40	3.2	191	19	4.7	0
09/01/2022 16:50	4.2	349	12	5.8	0
09/01/2022 17:00	4	345	14	5.7	0
09/01/2022 17:10	4.3	340	15	5.4	0
09/01/2022 17:20	3.9	343	14	5.6	0
09/01/2022 17:30	3.9	345	13	5.6	0
09/01/2022 17:40	3.6	348	12	5.2	0
09/01/2022 17:50	3.3	337	12	4.8	0
09/01/2022 18:00	3	333	13	4.6	0
09/01/2022 18:10	2.9	339	13	4.5	0
09/01/2022 18:20	3.3	339	12	4.7	0
09/01/2022 18:30	2.5	344	15	3.4	0
09/01/2022 18:40	2.7	350	12	3.6	0
09/01/2022 18:50	2.4	351	13	3.3	0
09/01/2022 19:00	1.8	170	14	2.6	0
09/01/2022 19:10	1.9	179	15	2.7	0
09/01/2022 19:20	1.3	178	11	2.1	0
09/01/2022 19:30	1.4	14	13	2	0
09/01/2022 19:40	1.3	5	13	2	0
09/01/2022 19:50	0.7	345	16	1.3	0
09/01/2022 20:00	0.7	13	15	1.2	0
09/01/2022 20:10	1	42	15	1.5	0
09/01/2022 20:20	0.8	188	20	1.2	0
09/01/2022 20:30	0.9	321	20	1.5	0
09/01/2022 20:40	0.4	92	17	1.1	0
09/01/2022 20:50	0.2	169	1	0.8	0
09/01/2022 21:00					0
09/01/2022 21:10	0.3	77	8	0.9	0
09/01/2022 21:20	0.5	26	15	0.8	0
09/01/2022 21:30	0.1	190	0	0.6	0
09/01/2022 21:40	0.5	173	8	0.8	0
09/01/2022 21:50	0.5	75	13	0.8	0
09/01/2022 22:00	0.5	55	14	1.2	0
09/01/2022 22:10	0.8	58	16	1.6	0
09/01/2022 22:20	0.2	45	9	0.8	0
09/01/2022 22:30	0.6	82	8	1.2	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/01/2022 22:40	1	85	10	1.6	0
09/01/2022 22:50	0.3	58	7	0.8	0
09/01/2022 23:00	0.7	82	20	1.6	0
09/01/2022 23:10	2	106	13	2.6	0
09/01/2022 23:20	2	108	12	2.6	0
09/01/2022 23:30	1.9	127	19	2.8	0
09/01/2022 23:40	2.2	130	15	3.3	0
09/01/2022 23:50	2.3	138	17	3.5	0
09/02/2022 00:00	2	134	17	3.2	0
09/02/2022 00:10	2.3	127	17	3.1	0
09/02/2022 00:20	1.8	136	15	2.7	0
09/02/2022 00:30	1.7	139	18	2.5	0
09/02/2022 00:40	1.3	125	19	2	0
09/02/2022 00:50	2	118	16	2.9	0
09/02/2022 01:00	2.1	124	17	3.5	0
09/02/2022 01:10	2.5	118	14	3.5	0
09/02/2022 01:20	2.2	122	19	3.2	0
09/02/2022 01:30	2.2	104	15	3.2	0
09/02/2022 01:40	2.1	81	16	3	0
09/02/2022 01:50	1.3	66	16	2.8	0
09/02/2022 02:00	1.4	79	24	2.6	0
09/02/2022 02:10	1.7	77	15	2.8	0
09/02/2022 02:20	1.9	57	13	2.8	0
09/02/2022 02:30	1.3	44	11	1.8	0
09/02/2022 02:40	0.6	48	16	1.3	0
09/02/2022 02:50	1.2	86	14	2	0
09/02/2022 03:00	2.1	110	10	2.7	0
09/02/2022 03:10	2	111	14	2.8	0
09/02/2022 03:20	2.9	110	21	5.2	0
09/02/2022 03:30	2.9	108	21	5.4	0
09/02/2022 03:40	2.8	98	21	5	0
09/02/2022 03:50	3.1	99	18	5.6	0
09/02/2022 04:00	3.6	89	17	5.5	0
09/02/2022 04:10	3.4	87	12	5.3	0
09/02/2022 04:20	2.8	85	13	4.3	0
09/02/2022 04:30	2.8	86	16	4	0
09/02/2022 04:40	3.5	86	13	5.2	0
09/02/2022 04:50	3	81	15	4.2	0
09/02/2022 05:00	2.3	80	15	3.6	0
09/02/2022 05:10	1.5	80	15	2.6	0
09/02/2022 05:20	2	87	13	3.2	0
09/02/2022 05:30	1.8	81	13	2.7	0
09/02/2022 05:40	2.2	90	14	3.3	0
09/02/2022 05:50	1.6	90	25	2.8	0
09/02/2022 06:00	1.2	56	21	2.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/02/2022 06:10	0.8	201	32	1.1	0
09/02/2022 06:20	0.4	215	10	0.8	0
09/02/2022 06:30	0.4	96	6	1.4	0
09/02/2022 06:40	1.9	93	16	3.2	0
09/02/2022 06:50	2.6	83	17	4.6	0
09/02/2022 07:00	3	70	12	4.4	0
09/02/2022 07:10	3.1	78	14	4.7	0
09/02/2022 07:20	3.6	89	15	5.2	0
09/02/2022 07:30	4.3	79	16	6.2	0
09/02/2022 07:40	3.3	68	13	5.2	0
09/02/2022 07:50	2.8	58	14	4	0
09/02/2022 08:00	2.3	42	14	3.4	0
09/02/2022 08:10	2	40	11	2.6	0
09/02/2022 08:20	2.1	50	12	3.1	0
09/02/2022 08:30	3	59	12	4	0
09/02/2022 08:40	3.3	75	17	4.8	0
09/02/2022 08:50	4.4	86	17	6.2	0
09/02/2022 09:00	4.6	83	14	6.4	0
09/02/2022 09:10	3.8	77	16	5.4	0
09/02/2022 09:20	4.3	73	14	6.5	0
09/02/2022 09:30	4.3	71	13	6.4	0
09/02/2022 09:40	3.6	77	15	5.2	0
09/02/2022 09:50	3.5	79	16	5.1	0
09/02/2022 10:00	3.5	76	19	4.6	0
09/02/2022 10:10	3.4	72	14	4.9	0
09/02/2022 10:20	3.7	72	13	5.3	0
09/02/2022 10:30	3.9	68	15	5.6	0
09/02/2022 10:40	4.2	55	12	5.8	0
09/02/2022 10:50	4.4	59	14	5.9	0
09/02/2022 11:00	4.2	60	15	6.3	0
09/02/2022 11:10	5.1	54	10	6.5	0
09/02/2022 11:20	4.9	56	12	6.8	0
09/02/2022 11:30	5	59	11	6.4	0
09/02/2022 11:40	5.2	59	12	6.9	0
09/02/2022 11:50	5.5	57	11	7.1	0
09/02/2022 12:00	5.8	58	10	7.5	0
09/02/2022 12:10	6.1	60	11	7.7	0
09/02/2022 12:20	5.9	59	10	7.8	0
09/02/2022 12:30	5.7	58	11	7.5	0
09/02/2022 12:40	5.4	57	12	7	0
09/02/2022 12:50	4.9	56	12	6.9	0
09/02/2022 13:00	4.7	58	12	6.8	0
09/02/2022 13:10	4.6	61	10	6.1	0
09/02/2022 13:20	4.6	58	12	5.9	0
09/02/2022 13:30	4.4	58	11	6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/02/2022 13:40	4	52	13	5.6	0
09/02/2022 13:50	4.5	48	11	6.2	0
09/02/2022 14:00	4.2	47	12	6	0
09/02/2022 14:10	4.2	48	13	6.1	0
09/02/2022 14:20	4.6	47	12	6.4	0
09/02/2022 14:30	4.9	50	11	6.4	0
09/02/2022 14:40	4.7	48	12	6.4	0
09/02/2022 14:50	4.3	53	13	5.9	0
09/02/2022 15:00	4	55	14	5.5	0
09/02/2022 15:10	3.9	51	14	5.4	0
09/02/2022 15:20	3.7	52	14	5.3	0
09/02/2022 15:30	3.7	53	12	5.3	0
09/02/2022 15:40	4.1	47	11	5.7	0
09/02/2022 15:50	4	47	12	5.4	0
09/02/2022 16:00	3.7	48	13	5.1	0
09/02/2022 16:10	3.5	44	13	4.7	0
09/02/2022 16:20	3.3	46	12	4.8	0
09/02/2022 16:30	3.1	48	12	4.4	0
09/02/2022 16:40	2.9	50	10	4	0
09/02/2022 16:50	2.5	42	13	3.6	0
09/02/2022 17:00	2.6	59	14	3.4	0
09/02/2022 17:10	2.3	58	13	3.2	0
09/02/2022 17:20	2.3	54	13	3.3	0
09/02/2022 17:30	2.6	61	10	3.4	0
09/02/2022 17:40	2.3	52	14	3.2	0
09/02/2022 17:50	2.6	45	12	3.4	0
09/02/2022 18:00	2.1	52	12	3.2	0
09/02/2022 18:10	2.1	52	14	3.4	0
09/02/2022 18:20	2.6	41	13	3.6	0
09/02/2022 18:30	2.2	47	13	3.2	0
09/02/2022 18:40	2	48	13	3.4	0
09/02/2022 18:50	2.2	44	15	3.4	0
09/02/2022 19:00	2.1	46	11	3	0
09/02/2022 19:10	2	36	13	2.9	0
09/02/2022 19:20	1.6	43	13	2.2	0
09/02/2022 19:30	1.7	46	12	2.6	0
09/02/2022 19:40	1.1	38	19	2	0
09/02/2022 19:50	1.1	49	14	1.7	0
09/02/2022 20:00	1.6	47	13	2.3	0
09/02/2022 20:10	1.5	45	14	2.2	0
09/02/2022 20:20	1.7	49	14	2.8	0
09/02/2022 20:30	1.6	42	12	2.4	0
09/02/2022 20:40	2	26	17	3	0
09/02/2022 20:50	2	39	13	2.7	0
09/02/2022 21:00	1.7	32	15	2.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/02/2022 21:10	1.2	26	23	1.9	0
09/02/2022 21:20	1.5	20	21	2.8	0
09/02/2022 21:30	2.4	347	13	3.6	0
09/02/2022 21:40	2.9	351	12	4.1	0
09/02/2022 21:50	2.7	335	15	4	0
09/02/2022 22:00	2.6	330	14	3.6	0
09/02/2022 22:10	2.4	331	10	3.5	0
09/02/2022 22:20	2.7	334	16	3.8	0.1
09/02/2022 22:30	2.6	6	13	3.7	0
09/02/2022 22:40	2.9	177	15	4.7	0
09/02/2022 22:50	3.7	352	13	5.2	0
09/02/2022 23:00	4.1	349	11	6.1	0
09/02/2022 23:10	4.2	336	14	6.3	0
09/02/2022 23:20	3.7	325	16	5.4	0
09/02/2022 23:30	4	327	12	5.6	0
09/02/2022 23:40	3.5	322	17	5	0
09/02/2022 23:50	2.5	293	22	3.9	0
09/03/2022 00:00	2.9	299	21	5.5	0
09/03/2022 00:10	2.1	251	44	4.2	0
09/03/2022 00:20	1.5	227	50	3.2	0
09/03/2022 00:30	1.3	238	50	2.5	0
09/03/2022 00:40	1.7	267	41	3.3	0.1
09/03/2022 00:50	1.5	246	55	3.3	0
09/03/2022 01:00	1.6	236	46	2.9	0
09/03/2022 01:10	1.9	239	41	3.7	0
09/03/2022 01:20	1.4	227	38	2.7	0
09/03/2022 01:30	1.7	257	41	3.5	0.1
09/03/2022 01:40	1.7	230	45	2.9	0.2
09/03/2022 01:50	1.8	194	18	2.8	0
09/03/2022 02:00	0.8	232	52	2	0.1
09/03/2022 02:10	1.1	260	44	2.8	0.1
09/03/2022 02:20	1.4	252	31	2.4	0
09/03/2022 02:30	1.3	248	43	3	0
09/03/2022 02:40	1.3	266	41	2.8	0.1
09/03/2022 02:50	1.1	288	17	2.5	0.1
09/03/2022 03:00	0.7	239	45	2	0.1
09/03/2022 03:10	1.1	239	33	2.4	0
09/03/2022 03:20	1.1	239	38	2.3	0
09/03/2022 03:30	1.5	197	47	2.8	0
09/03/2022 03:40	0.8	239	34	2	0.1
09/03/2022 03:50	2.1	201	22	3.7	0
09/03/2022 04:00	2.5	207	23	4	0
09/03/2022 04:10	2.6	209	28	4.9	0
09/03/2022 04:20	3.5	202	19	5.3	0
09/03/2022 04:30	4.1	199	14	6.4	0.1



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/03/2022 04:40	3.9	194	16	5.8	0.1
09/03/2022 04:50	4.2	195	13	6.2	0
09/03/2022 05:00	3.7	200	13	6	0
09/03/2022 05:10	3.8	199	20	5.8	0
09/03/2022 05:20	2.4	203	29	4.6	0.1
09/03/2022 05:30	2.1	196	24	3.9	0.2
09/03/2022 05:40	2	206	29	3.6	0.3
09/03/2022 05:50	1.4	203	29	2.6	0.1
09/03/2022 06:00	1.5	201	26	3.3	0.1
09/03/2022 06:10	1.7	190	23	3.1	0.2
09/03/2022 06:20	0.6	190	34	1.7	0
09/03/2022 06:30	0.7	227	47	1.8	0.1
09/03/2022 06:40	1.4	257	43	3.2	0.1
09/03/2022 06:50	2.2	272	27	3.5	0.1
09/03/2022 07:00	2.3	262	24	4.4	0.1
09/03/2022 07:10	1.9	280	35	3.2	0
09/03/2022 07:20	2.5	307	20	4	0.1
09/03/2022 07:30	2.2	280	26	3.5	0
09/03/2022 07:40	1.6	262	34	3.1	0
09/03/2022 07:50	1.2	249	37	2.2	0
09/03/2022 08:00	1.4	246	39	2.4	0.1
09/03/2022 08:10	1.6	238	42	2.9	0.1
09/03/2022 08:20	0.9	255	66	2	0.1
09/03/2022 08:30	1.9	255	26	3.4	0
09/03/2022 08:40	1.6	234	38	3.5	0.1
09/03/2022 08:50	1.4	226	35	2.5	0.1
09/03/2022 09:00	1.7	242	35	3.2	0.1
09/03/2022 09:10	1.3	271	37	2.3	0.1
09/03/2022 09:20	1.1	246	55	2.2	0
09/03/2022 09:30	1.7	268	40	3.8	0.1
09/03/2022 09:40	1.9	301	30	4	0.2
09/03/2022 09:50	1.9	279	21	3.2	0.2
09/03/2022 10:00	1.6	278	26	2.9	0.1
09/03/2022 10:10	1.5	271	32	2.6	0
09/03/2022 10:20	1.3	267	42	2.4	0.1
09/03/2022 10:30	1.8	283	25	2.8	0.1
09/03/2022 10:40	1.7	286	26	2.8	0
09/03/2022 10:50	1.6	272	28	2.7	0
09/03/2022 11:00	1.5	281	33	2.8	0
09/03/2022 11:10	2	265	25	3.3	0
09/03/2022 11:20	2.4	282	25	4	0
09/03/2022 11:30	2.6	282	25	3.8	0
09/03/2022 11:40	2.5	287	27	4.2	0
09/03/2022 11:50	2.7	281	27	4.4	0
09/03/2022 12:00	2.5	266	27	4.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/03/2022 12:10	2.3	207	29	4.1	0
09/03/2022 12:20	2.1	227	47	4.4	0
09/03/2022 12:30	3.1	279	22	5	0
09/03/2022 12:40	3.6	289	26	5.6	0
09/03/2022 12:50	3.2	285	26	5.3	0
09/03/2022 13:00	3.5	281	29	5.7	0
09/03/2022 13:10	3.8	296	23	5.8	0
09/03/2022 13:20	3.6	296	24	5.6	0
09/03/2022 13:30	3.7	286	26	5.9	0
09/03/2022 13:40	4	287	23	6.2	0
09/03/2022 13:50	3.5	292	22	5.5	0
09/03/2022 14:00	3.8	295	27	6.2	0
09/03/2022 14:10	3.6	280	24	5.4	0
09/03/2022 14:20	3.2	284	25	5.7	0
09/03/2022 14:30	3.6	293	25	6.3	0
09/03/2022 14:40	3.2	278	26	5.1	0
09/03/2022 14:50	3.1	273	32	5	0
09/03/2022 15:00	3.5	279	21	5	0
09/03/2022 15:10	3.3	281	29	6	0
09/03/2022 15:20	3.6	277	22	5.5	0
09/03/2022 15:30	2.8	266	39	5.2	0
09/03/2022 15:40	4	277	24	6.2	0
09/03/2022 15:50	3.6	273	26	6	0
09/03/2022 16:00	3.3	280	30	5.3	0
09/03/2022 16:10	3.3	269	28	5.6	0
09/03/2022 16:20	3.4	268	33	5.5	0
09/03/2022 16:30	2.8	267	34	4.8	0
09/03/2022 16:40	3.6	275	23	5.5	0
09/03/2022 16:50	3.4	275	29	6.4	0
09/03/2022 17:00	2.5	247	43	4.7	0
09/03/2022 17:10	2.5	251	44	4.3	0
09/03/2022 17:20	2.7	243	43	5.2	0
09/03/2022 17:30	2.5	274	32	4.6	0
09/03/2022 17:40	2.2	246	47	4.4	0
09/03/2022 17:50	2.4	252	38	4.4	0
09/03/2022 18:00	2.9	270	29	5.3	0
09/03/2022 18:10	2.4	257	53	4.4	0
09/03/2022 18:20	1.9	258	40	4.2	0
09/03/2022 18:30	2	241	58	3.9	0
09/03/2022 18:40	1.7	266	59	3.2	0
09/03/2022 18:50	1.8	254	52	4.1	0
09/03/2022 19:00	1.4	253	64	2.7	0
09/03/2022 19:10	1.3	236	68	2.9	0
09/03/2022 19:20	1.6	215	50	2.6	0
09/03/2022 19:30	1.7	236	39	4.2	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/03/2022 19:40	1.3	208	61	3.2	0
09/03/2022 19:50	1	193	65	2	0
09/03/2022 20:00	1.3	231	60	2.3	0
09/03/2022 20:10	1.1	185	31	1.7	0
09/03/2022 20:20	1	137	47	2	0
09/03/2022 20:30	1	170	62	2	0
09/03/2022 20:40	1.3	190	43	2.5	0
09/03/2022 20:50	0.9	178	68	1.9	0
09/03/2022 21:00	0.9	183	51	1.7	0
09/03/2022 21:10	1.2	185	28	2	0
09/03/2022 21:20	1.2	176	24	1.8	0
09/03/2022 21:30	1	185	28	1.7	0
09/03/2022 21:40	0.8	176	51	1.2	0
09/03/2022 21:50	0.7	192	62	1.6	0
09/03/2022 22:00	0.7	156	39	1.2	0
09/03/2022 22:10	0.4	250	47	1.1	0
09/03/2022 22:20	0.9	173	17	1.5	0
09/03/2022 22:30	1.2	193	26	1.8	0
09/03/2022 22:40	0.5	57	47	0.9	0
09/03/2022 22:50	0.6	274	69	1.1	0
09/03/2022 23:00	1.1	179	22	1.7	0
09/03/2022 23:10	0.9	180	33	1.5	0
09/03/2022 23:20	0.8	240	59	1.4	0
09/03/2022 23:30	0.6	236	67	1.4	0
09/03/2022 23:40	0.5	213	71	1	0
09/03/2022 23:50	0.3	248	54	0.9	0
09/04/2022 00:00	0.5	182	27	1.2	0
09/04/2022 00:10	1	185	30	1.6	0
09/04/2022 00:20	1.3	196	26	2.2	0
09/04/2022 00:30	1.3	203	31	2.8	0
09/04/2022 00:40	1.5	201	41	2.8	0
09/04/2022 00:50	1.7	204	30	2.8	0
09/04/2022 01:00	2.4	195	23	3.6	0
09/04/2022 01:10	2.5	196	18	3.9	0
09/04/2022 01:20	2.2	194	21	3.6	0
09/04/2022 01:30	2.1	198	23	3.2	0
09/04/2022 01:40	2.5	194	17	3.6	0
09/04/2022 01:50	1.9	199	30	3.6	0
09/04/2022 02:00	2	196	22	3.2	0
09/04/2022 02:10	2.4	200	23	3.8	0
09/04/2022 02:20	2	199	23	3.5	0
09/04/2022 02:30	2	196	24	3.2	0
09/04/2022 02:40	2.1	200	23	3.4	0
09/04/2022 02:50	2	203	28	3.2	0
09/04/2022 03:00	1.9	196	25	2.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/04/2022 03:10	2.4	198	18	4	0
09/04/2022 03:20	3	197	19	5.2	0
09/04/2022 03:30	3	199	18	4.5	0
09/04/2022 03:40	3	196	19	4.8	0
09/04/2022 03:50	3.1	195	18	4.2	0
09/04/2022 04:00	2.9	196	17	4.2	0
09/04/2022 04:10	2.6	194	20	3.8	0
09/04/2022 04:20	2.4	193	21	3.6	0
09/04/2022 04:30	3.1	195	13	4	0
09/04/2022 04:40	3.2	197	13	4.8	0
09/04/2022 04:50	3.4	199	10	4.7	0
09/04/2022 05:00	3.3	198	11	4.3	0
09/04/2022 05:10	3.1	200	9	4	0
09/04/2022 05:20	2.8	197	12	3.9	0
09/04/2022 05:30	2.6	197	14	3.6	0
09/04/2022 05:40	2.5	189	12	3.5	0
09/04/2022 05:50	2.4	190	13	3.3	0
09/04/2022 06:00	2.4	192	11	3.6	0
09/04/2022 06:10	2.3	186	12	3.2	0
09/04/2022 06:20	2.2	187	12	3.1	0
09/04/2022 06:30	2.1	183	11	2.8	0
09/04/2022 06:40	2.9	181	11	3.8	0
09/04/2022 06:50	3	183	10	3.6	0
09/04/2022 07:00	2.7	189	10	3.3	0
09/04/2022 07:10	2	188	13	2.8	0
09/04/2022 07:20	2.7	186	13	3.8	0
09/04/2022 07:30	2.7	184	13	3.8	0
09/04/2022 07:40	2.7	183	11	3.6	0
09/04/2022 07:50	2.7	181	11	3.5	0
09/04/2022 08:00	2.4	188	12	3.5	0
09/04/2022 08:10	2.3	177	14	3.4	0
09/04/2022 08:20	2.4	181	15	3.1	0
09/04/2022 08:30	2.1	186	21	3.2	0
09/04/2022 08:40	2	189	20	3.1	0
09/04/2022 08:50	1.5	183	27	2.6	0
09/04/2022 09:00	2.1	185	19	3.5	0
09/04/2022 09:10	2.2	193	18	3.4	0
09/04/2022 09:20	2.2	192	18	3.3	0
09/04/2022 09:30	2.5	187	21	4	0
09/04/2022 09:40	2.8	197	17	4	0
09/04/2022 09:50	2.4	198	26	3.8	0
09/04/2022 10:00	2.5	209	18	4	0
09/04/2022 10:10	2.3	188	39	3.4	0
09/04/2022 10:20	2.5	183	28	4	0
09/04/2022 10:30	2.8	188	24	4.5	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/04/2022 10:40	2.5	180	24	4	0
09/04/2022 10:50	2.2	95	40	3.6	0
09/04/2022 11:00	1.8	44	25	2.9	0
09/04/2022 11:10	2.5	43	22	3.8	0
09/04/2022 11:20	2.4	62	21	3.4	0
09/04/2022 11:30	2.9	49	16	3.8	0
09/04/2022 11:40	2.9	55	15	4	0
09/04/2022 11:50	2.7	61	19	3.5	0
09/04/2022 12:00	2.6	64	16	3.8	0
09/04/2022 12:10	2.8	54	12	3.9	0
09/04/2022 12:20	2.8	53	17	3.8	0
09/04/2022 12:30	2.4	27	25	3.6	0
09/04/2022 12:40	1.9	200	61	4	0
09/04/2022 12:50	3.5	248	39	5.7	0
09/04/2022 13:00	3.5	272	21	5.2	0
09/04/2022 13:10	3.3	268	27	5	0
09/04/2022 13:20	3.5	270	22	5.9	0
09/04/2022 13:30	3.6	266	23	5.2	0
09/04/2022 13:40	3	270	24	5.3	0
09/04/2022 13:50	4.3	265	20	6.6	0
09/04/2022 14:00	3.7	271	23	5.9	0
09/04/2022 14:10	3.9	270	24	6.4	0
09/04/2022 14:20	3.8	282	22	5.9	0
09/04/2022 14:30	4.1	273	26	5.8	0
09/04/2022 14:40	4.3	270	19	6.6	0
09/04/2022 14:50	3.9	276	19	5.8	0
09/04/2022 15:00	4.2	268	24	6.5	0
09/04/2022 15:10	4	270	23	6.1	0
09/04/2022 15:20	3.5	276	23	5.5	0
09/04/2022 15:30	4	281	23	6.6	0
09/04/2022 15:40	4.1	268	24	6.9	0
09/04/2022 15:50	3.6	279	26	5.7	0
09/04/2022 16:00	3.9	273	25	6.7	0
09/04/2022 16:10	4	267	23	7	0
09/04/2022 16:20	4	272	25	6.8	0
09/04/2022 16:30	4.6	263	24	6.8	0
09/04/2022 16:40	3.8	269	29	6.5	0
09/04/2022 16:50	3.9	267	28	6.1	0
09/04/2022 17:00	4	270	28	7.2	0
09/04/2022 17:10	4.1	268	22	6.3	0
09/04/2022 17:20	3.6	270	26	6	0
09/04/2022 17:30	4	269	24	6.2	0
09/04/2022 17:40	3.6	275	22	5.9	0
09/04/2022 17:50	3.8	272	20	5.8	0
09/04/2022 18:00	3.2	277	24	5.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/04/2022 18:10	3.4	268	23	5.3	0
09/04/2022 18:20	3.2	272	25	4.8	0
09/04/2022 18:30	3	276	23	4.5	0
09/04/2022 18:40	3	272	26	4.8	0
09/04/2022 18:50	2.7	279	29	4.4	0
09/04/2022 19:00	2.7	280	29	5	0
09/04/2022 19:10	2.3	275	32	3.9	0
09/04/2022 19:20	3.2	279	23	5.4	0
09/04/2022 19:30	2.7	281	21	4.4	0
09/04/2022 19:40	2.4	273	27	4.1	0
09/04/2022 19:50	2.4	261	31	4.1	0
09/04/2022 20:00	2.9	267	22	4.9	0
09/04/2022 20:10	2.8	267	24	4.5	0
09/04/2022 20:20	2.5	271	35	4	0
09/04/2022 20:30	2.1	267	43	3.9	0
09/04/2022 20:40	1.9	271	45	3.9	0
09/04/2022 20:50	1.3	266	73	2.9	0
09/04/2022 21:00	1.5	247	64	3	0
09/04/2022 21:10	1.3	266	66	3.1	0
09/04/2022 21:20	1.6	238	55	3	0
09/04/2022 21:30	1.3	250	42	2.3	0
09/04/2022 21:40	0.8	197	78	1.8	0
09/04/2022 21:50	1.1	206	42	2.1	0
09/04/2022 22:00	1.2	212	55	2.4	0
09/04/2022 22:10	1.4	229	46	2.4	0
09/04/2022 22:20	1.4	242	55	2.4	0
09/04/2022 22:30	1.1	247	87	2.2	0
09/04/2022 22:40	1.3	220	51	2.4	0
09/04/2022 22:50	1	225	70	2.1	0
09/04/2022 23:00	1.1	225	57	2.3	0
09/04/2022 23:10	1.3	205	57	2.2	0
09/04/2022 23:20	1.2	203	61	2.2	0
09/04/2022 23:30	1.1	180	56	2.4	0
09/04/2022 23:40	1.5	236	54	2.9	0
09/04/2022 23:50	1.4	209	58	2.4	0
09/05/2022 00:00	1.4	197	46	2.5	0
09/05/2022 00:10	1.3	178	37	2.4	0
09/05/2022 00:20	1.5	184	28	2.2	0
09/05/2022 00:30	1.7	179	23	2.8	0
09/05/2022 00:40	1.5	202	44	3.2	0
09/05/2022 00:50	1.4	179	35	2.6	0
09/05/2022 01:00	1	191	55	2	0
09/05/2022 01:10	0.9	157	46	1.8	0
09/05/2022 01:20	0.8	216	62	2.2	0
09/05/2022 01:30	1.1	215	48	2.2	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/05/2022 01:40	1.1	170	50	2.4	0
09/05/2022 01:50	0.9	88	87	1.6	0
09/05/2022 02:00	0.8	113	72	1.5	0
09/05/2022 02:10	1.3	187	44	2.4	0
09/05/2022 02:20	1.8	196	20	2.4	0
09/05/2022 02:30	2	196	18	3.3	0
09/05/2022 02:40	1.6	206	37	2.9	0
09/05/2022 02:50	1.2	198	46	2.4	0
09/05/2022 03:00	1.1	190	33	1.9	0
09/05/2022 03:10	1.6	190	27	2.9	0
09/05/2022 03:20	2	207	31	3.6	0
09/05/2022 03:30	1.9	202	26	3.1	0
09/05/2022 03:40	1.5	204	44	2.7	0
09/05/2022 03:50	1.2	229	61	3.1	0
09/05/2022 04:00	1.3	220	53	2.4	0
09/05/2022 04:10	1.6	212	48	3.2	0
09/05/2022 04:20	1.4	193	55	2.8	0
09/05/2022 04:30	1.3	239	66	3.4	0
09/05/2022 04:40	1.6	258	34	2.5	0
09/05/2022 04:50	0.9	281	36	1.8	0
09/05/2022 05:00	0.7	179	54	1.2	0
09/05/2022 05:10	0.5	353	42	1.1	0
09/05/2022 05:20	1.2	282	31	2.1	0
09/05/2022 05:30	1.2	275	59	2.7	0
09/05/2022 05:40	0.9	180	33	1.4	0
09/05/2022 05:50	1.4	330	27	1.9	0
09/05/2022 06:00	1.4	323	15	1.8	0
09/05/2022 06:10	0.7	322	19	1.2	0
09/05/2022 06:20	0	310	0	0.4	0
09/05/2022 06:30					0
09/05/2022 06:40	0	25	0	0.4	0
09/05/2022 06:50	1	304	8	1.7	0
09/05/2022 07:00	0.3	329	16	1.2	0
09/05/2022 07:10	1.4	307	11	1.7	0
09/05/2022 07:20	1.4	300	20	2	0
09/05/2022 07:30	1.5	231	49	2.8	0
09/05/2022 07:40	1.5	213	25	2.4	0
09/05/2022 07:50	1.4	218	27	2.1	0
09/05/2022 08:00	1.8	214	16	2.4	0
09/05/2022 08:10	2.1	210	13	2.8	0
09/05/2022 08:20	2	186	17	2.8	0
09/05/2022 08:30	2.1	166	16	3.2	0
09/05/2022 08:40	1.5	194	27	2.4	0
09/05/2022 08:50	2.5	196	13	3.3	0
09/05/2022 09:00	1.8	201	17	3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/05/2022 09:10	2.5	185	17	3.6	0
09/05/2022 09:20	2.5	175	13	3.5	0
09/05/2022 09:30	2.6	175	18	3.7	0
09/05/2022 09:40	2.7	165	13	3.8	0
09/05/2022 09:50	2.7	174	16	3.7	0
09/05/2022 10:00	2.6	198	21	4	0
09/05/2022 10:10	3.1	265	30	5.1	0
09/05/2022 10:20	3.1	283	24	4.4	0
09/05/2022 10:30	3.2	273	24	4.8	0
09/05/2022 10:40	3	277	26	4.7	0
09/05/2022 10:50	2.9	278	26	4.4	0
09/05/2022 11:00	2.7	278	24	4	0
09/05/2022 11:10	2.6	271	23	3.7	0
09/05/2022 11:20	2.9	277	28	4.8	0
09/05/2022 11:30	3.2	282	26	5.2	0
09/05/2022 11:40	2.8	283	26	4.9	0
09/05/2022 11:50	2.9	275	29	4.4	0
09/05/2022 12:00	3.3	286	26	5	0
09/05/2022 12:10	3.1	277	24	4.8	0
09/05/2022 12:20	2.9	281	25	4.6	0
09/05/2022 12:30	2.9	273	24	4.5	0
09/05/2022 12:40	3	267	27	4.8	0
09/05/2022 12:50	3.4	276	23	5.4	0
09/05/2022 13:00	3.4	275	25	5.1	0
09/05/2022 13:10	3.3	272	25	4.8	0
09/05/2022 13:20	3.6	272	23	5.6	0
09/05/2022 13:30	3.5	285	24	5.4	0
09/05/2022 13:40	3.9	281	26	6	0
09/05/2022 13:50	4	277	22	6	0
09/05/2022 14:00	4	276	20	5.7	0
09/05/2022 14:10	4.4	270	23	6.5	0
09/05/2022 14:20	4.7	271	23	7.2	0
09/05/2022 14:30	4.2	267	32	6.8	0
09/05/2022 14:40	4.4	265	27	7.5	0
09/05/2022 14:50	4.6	270	23	7.9	0
09/05/2022 15:00	4.3	261	31	8.3	0
09/05/2022 15:10	4	253	45	7.6	0
09/05/2022 15:20	4.1	273	30	6.8	0
09/05/2022 15:30	5	272	20	8	0
09/05/2022 15:40	4.5	274	21	6.5	0
09/05/2022 15:50	4.1	273	25	7.3	0
09/05/2022 16:00	4.2	270	31	6.8	0
09/05/2022 16:10	4	276	25	6.8	0
09/05/2022 16:20	4.1	280	24	6.4	0
09/05/2022 16:30	3.9	262	32	6.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/05/2022 16:40	4	264	35	6.4	0
09/05/2022 16:50	4	270	27	6.6	0
09/05/2022 17:00	4.1	269	29	6.4	0
09/05/2022 17:10	4	272	24	6.6	0
09/05/2022 17:20	3.8	276	32	6.3	0
09/05/2022 17:30	3.7	273	28	6.1	0
09/05/2022 17:40	3.6	277	30	6.4	0
09/05/2022 17:50	3.9	269	26	6.5	0
09/05/2022 18:00	3.1	269	43	5.3	0
09/05/2022 18:10	2.9	268	37	5.1	0
09/05/2022 18:20	2.7	273	51	5.5	0
09/05/2022 18:30	2	248	71	5.5	0
09/05/2022 18:40	2.3	258	62	5.1	0
09/05/2022 18:50	2.7	255	55	5	0
09/05/2022 19:00	2.5	248	57	4.8	0
09/05/2022 19:10	2.4	234	64	6.7	0
09/05/2022 19:20	2.6	260	50	5.2	0
09/05/2022 19:30	2.8	251	43	5.6	0
09/05/2022 19:40	2.2	237	56	4.8	0
09/05/2022 19:50	2.1	233	51	4.2	0
09/05/2022 20:00	2	237	67	4	0
09/05/2022 20:10	1.9	239	65	4.2	0
09/05/2022 20:20	1.6	248	77	3.9	0
09/05/2022 20:30	1.6	204	52	3.2	0
09/05/2022 20:40	1.9	222	51	3.2	0
09/05/2022 20:50	1.8	222	73	4.2	0
09/05/2022 21:00	1.7	209	49	3.4	0
09/05/2022 21:10	1.5	183	65	3.6	0
09/05/2022 21:20	1.9	206	47	3.6	0
09/05/2022 21:30	2.1	223	48	3.8	0
09/05/2022 21:40	1.6	203	72	3.3	0
09/05/2022 21:50	1.8	216	66	3.7	0
09/05/2022 22:00	1.7	233	60	3.7	0
09/05/2022 22:10	1.5	199	60	3.1	0
09/05/2022 22:20	2.1	230	46	3.6	0
09/05/2022 22:30	1.6	216	62	3.9	0
09/05/2022 22:40	2.3	227	41	4	0
09/05/2022 22:50	1.9	210	52	3.8	0
09/05/2022 23:00	1.9	234	49	3.6	0
09/05/2022 23:10	1.7	220	63	3.4	0
09/05/2022 23:20	1.8	204	51	3.1	0
09/05/2022 23:30	1.9	204	61	3.6	0
09/05/2022 23:40	2.4	204	36	4.4	0
09/05/2022 23:50	3.1	207	24	5.3	0
09/06/2022 00:00	3.1	205	38	6.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/06/2022 00:10	3.5	202	28	5.3	0
09/06/2022 00:20	3.3	208	34	5.7	0
09/06/2022 00:30	3.6	202	24	5.8	0
09/06/2022 00:40	3.4	200	26	5.1	0
09/06/2022 00:50	3.4	204	26	5.4	0
09/06/2022 01:00	4.1	199	19	6.4	0
09/06/2022 01:10	4.6	199	16	6.8	0
09/06/2022 01:20	4.7	199	13	7.3	0
09/06/2022 01:30	4.8	202	14	6.9	0
09/06/2022 01:40	5.1	203	14	6.9	0
09/06/2022 01:50	5.4	199	12	7.7	0
09/06/2022 02:00	5.5	201	12	7.3	0
09/06/2022 02:10	5.3	202	12	7	0
09/06/2022 02:20	5.4	198	12	7.6	0
09/06/2022 02:30	5.1	201	15	6.9	0
09/06/2022 02:40	5.2	200	13	7.3	0
09/06/2022 02:50	5.1	201	12	7.2	0
09/06/2022 03:00	4.8	201	12	6.6	0
09/06/2022 03:10	4.4	197	14	6.4	0
09/06/2022 03:20	4.6	195	13	6.1	0
09/06/2022 03:30	4.5	193	14	6.5	0
09/06/2022 03:40	4.8	195	11	6.3	0
09/06/2022 03:50	4.1	196	13	5.7	0
09/06/2022 04:00	4.8	200	12	6.7	0
09/06/2022 04:10	4.7	195	11	6.3	0
09/06/2022 04:20	4.7	192	13	6.3	0
09/06/2022 04:30	4.5	192	14	6.5	0
09/06/2022 04:40	4.6	190	12	6.8	0
09/06/2022 04:50	5	191	11	6.8	0
09/06/2022 05:00	5.1	192	12	7	0
09/06/2022 05:10	4.6	192	12	6.4	0
09/06/2022 05:20	4.4	192	14	6.5	0
09/06/2022 05:30	4.2	198	13	5.8	0
09/06/2022 05:40	4.9	192	11	6.5	0
09/06/2022 05:50	5	191	12	6.8	0
09/06/2022 06:00	4.6	193	11	6.4	0
09/06/2022 06:10	4.9	194	10	6.9	0
09/06/2022 06:20	4.9	192	13	6.4	0
09/06/2022 06:30	5.3	194	10	6.8	0
09/06/2022 06:40	5.2	194	11	6.8	0
09/06/2022 06:50	5	196	13	6.7	0
09/06/2022 07:00	2.1	236	44	4	0
09/06/2022 07:10	1.7	223	54	3.6	0
09/06/2022 07:20	1.8	271	19	2.8	0
09/06/2022 07:30	1.7	249	26	2.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/06/2022 07:40	1.8	228	37	3.2	0
09/06/2022 07:50	2	241	33	3.6	0
09/06/2022 08:00	1.7	219	37	3.2	0
09/06/2022 08:10	2	220	46	3.7	0
09/06/2022 08:20	3.2	211	25	6.1	0
09/06/2022 08:30	3.9	207	20	6	0
09/06/2022 08:40	5.6	196	11	7.9	0
09/06/2022 08:50	5.8	197	9	7.4	0
09/06/2022 09:00	5.4	195	11	6.9	0
09/06/2022 09:10	4.8	193	14	6.6	0
09/06/2022 09:20	4.6	194	12	6	0
09/06/2022 09:30	3.9	196	13	5.8	0
09/06/2022 09:40	3.8	191	14	5.4	0
09/06/2022 09:50	3.4	195	12	5.1	0
09/06/2022 10:00	3	194	20	4.6	0
09/06/2022 10:10	2.9	185	17	4.3	0
09/06/2022 10:20	2.9	180	23	4.4	0
09/06/2022 10:30	2.9	202	22	4.9	0
09/06/2022 10:40	3.2	198	17	5.1	0
09/06/2022 10:50	3	205	25	4.8	0
09/06/2022 11:00	2.7	208	31	4.5	0
09/06/2022 11:10	2.7	238	50	5.7	0
09/06/2022 11:20	3	260	49	5.2	0
09/06/2022 11:30	2.8	219	38	5.5	0
09/06/2022 11:40	2.2	238	35	4	0
09/06/2022 11:50	3.2	266	29	4.8	0
09/06/2022 12:00	3.9	279	27	6	0
09/06/2022 12:10	2.4	237	51	4.4	0
09/06/2022 12:20	3.1	267	28	5.1	0
09/06/2022 12:30	3.6	276	34	5.8	0
09/06/2022 12:40	3.5	274	36	5.8	0
09/06/2022 12:50	4.5	275	24	6.8	0
09/06/2022 13:00	4.3	278	23	6.8	0
09/06/2022 13:10	4.1	278	21	6.4	0
09/06/2022 13:20	4.1	278	22	6.3	0
09/06/2022 13:30	3.8	283	29	6.4	0
09/06/2022 13:40	4.1	278	24	6.1	0
09/06/2022 13:50	4.6	297	21	7.5	0
09/06/2022 14:00	4.2	283	26	6.8	0
09/06/2022 14:10	4.3	274	26	6.8	0
09/06/2022 14:20	4.8	276	23	7.4	0
09/06/2022 14:30	4.5	281	22	6.9	0
09/06/2022 14:40	4.4	281	22	7.2	0
09/06/2022 14:50	4.2	279	27	7.3	0
09/06/2022 15:00	4.5	277	23	7.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/06/2022 15:10	4.2	277	21	6.7	0
09/06/2022 15:20	4.4	273	29	7.2	0
09/06/2022 15:30	4.7	275	22	7.2	0
09/06/2022 15:40	4.6	274	25	7.3	0
09/06/2022 15:50	4.5	271	27	7.3	0
09/06/2022 16:00	3.7	268	33	6.7	0
09/06/2022 16:10	4	271	31	6.6	0
09/06/2022 16:20	4.3	272	26	7.5	0
09/06/2022 16:30	3.3	268	43	6	0
09/06/2022 16:40	3.5	259	40	6.5	0
09/06/2022 16:50	4.5	267	28	7.4	0
09/06/2022 17:00	3.8	267	35	7.5	0
09/06/2022 17:10	3.8	267	35	6.6	0
09/06/2022 17:20	3.4	250	35	6.4	0
09/06/2022 17:30	3.3	263	39	6.4	0
09/06/2022 17:40	3	231	46	6.3	0
09/06/2022 17:50	3.5	273	31	6.1	0
09/06/2022 18:00	2.7	260	50	5.5	0
09/06/2022 18:10	3	261	40	5.7	0
09/06/2022 18:20	3.1	269	36	6	0
09/06/2022 18:30	2.6	260	46	4.9	0
09/06/2022 18:40	1.8	217	66	3	0
09/06/2022 18:50	2.1	258	48	4	0
09/06/2022 19:00	2.7	239	53	5.2	0
09/06/2022 19:10	1.8	230	63	3.2	0
09/06/2022 19:20	1.9	258	64	3.7	0
09/06/2022 19:30	2.1	246	54	4.1	0
09/06/2022 19:40	1.4	211	71	3.2	0
09/06/2022 19:50	1.6	204	49	3.2	0
09/06/2022 20:00	1.6	198	42	3.3	0
09/06/2022 20:10	1.4	231	57	2.3	0
09/06/2022 20:20	1.2	255	58	2.6	0
09/06/2022 20:30	1.5	244	43	2.7	0
09/06/2022 20:40	1.5	255	47	2.6	0
09/06/2022 20:50	1.5	258	39	3.1	0
09/06/2022 21:00	1.3	261	37	2.6	0
09/06/2022 21:10	1.5	245	33	2.7	0
09/06/2022 21:20	1	236	62	2.3	0
09/06/2022 21:30	1.4	239	59	2.9	0
09/06/2022 21:40	0.9	243	77	2	0
09/06/2022 21:50	1.3	210	54	2.7	0
09/06/2022 22:00	1.4	220	56	2.7	0
09/06/2022 22:10	1	59	87	2	0
09/06/2022 22:20	1.2	258	59	2.6	0
09/06/2022 22:30	1.1	239	61	2	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/06/2022 22:40	0.9	258	66	2.4	0
09/06/2022 22:50	0.8	100	60	1.5	0
09/06/2022 23:00	1.2	180	24	2.4	0
09/06/2022 23:10	1.3	181	30	2.2	0
09/06/2022 23:20	1.8	202	31	3	0
09/06/2022 23:30	1.9	206	30	3.2	0
09/06/2022 23:40	1.7	215	45	3	0
09/06/2022 23:50	2	201	25	3.4	0
09/07/2022 00:00	1.9	203	34	3.3	0
09/07/2022 00:10	1.9	204	40	3.6	0
09/07/2022 00:20	2.1	207	28	3.4	0
09/07/2022 00:30	1.5	223	43	2.5	0
09/07/2022 00:40	2.4	209	26	3.9	0
09/07/2022 00:50	2.7	209	24	3.8	0
09/07/2022 01:00	2.6	205	27	4.2	0
09/07/2022 01:10	2.5	211	29	4.4	0
09/07/2022 01:20	2.6	206	23	4.2	0
09/07/2022 01:30	2.7	210	24	4.4	0
09/07/2022 01:40	2.5	209	21	4	0
09/07/2022 01:50	2.5	217	28	4.6	0
09/07/2022 02:00	2.8	208	20	4.1	0
09/07/2022 02:10	2.8	208	19	4.5	0
09/07/2022 02:20	3.5	201	15	4.8	0
09/07/2022 02:30	3.4	204	14	4.4	0
09/07/2022 02:40	3.5	204	13	4.7	0
09/07/2022 02:50	3.7	205	12	5.1	0
09/07/2022 03:00	3.6	210	14	4.6	0
09/07/2022 03:10	3.9	207	13	5.2	0
09/07/2022 03:20	3.9	204	12	5.3	0
09/07/2022 03:30	3.9	202	11	5.1	0
09/07/2022 03:40	3.7	201	14	4.9	0
09/07/2022 03:50	3.7	197	15	5.2	0
09/07/2022 04:00	3.5	197	10	4.7	0
09/07/2022 04:10	3.3	201	12	4.6	0
09/07/2022 04:20	3.5	199	11	5.3	0
09/07/2022 04:30	3.7	199	11	4.9	0
09/07/2022 04:40	3.4	203	11	4.8	0
09/07/2022 04:50	3.3	197	12	4.8	0
09/07/2022 05:00	3.6	200	12	5.2	0
09/07/2022 05:10	3.8	197	10	5	0
09/07/2022 05:20	3.6	200	13	5	0
09/07/2022 05:30	3.7	201	10	4.9	0
09/07/2022 05:40	3.9	199	11	5.2	0
09/07/2022 05:50	3.7	200	12	5	0
09/07/2022 06:00	3.6	203	11	4.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/07/2022 06:10	3.7	201	12	4.9	0
09/07/2022 06:20	3.5	200	11	4.7	0
09/07/2022 06:30	3.5	199	12	4.7	0
09/07/2022 06:40	3.3	200	11	4.9	0
09/07/2022 06:50	2.9	198	11	4.2	0
09/07/2022 07:00	3	204	10	4.1	0
09/07/2022 07:10	3.5	203	12	4.6	0
09/07/2022 07:20	3.6	203	10	4.6	0
09/07/2022 07:30	3.7	197	13	5	0
09/07/2022 07:40	3.7	196	9	4.9	0
09/07/2022 07:50	3.7	201	12	5	0
09/07/2022 08:00	3.4	201	10	4.4	0
09/07/2022 08:10	3.4	198	13	5	0
09/07/2022 08:20	3.9	197	11	5.4	0
09/07/2022 08:30	4.1	197	11	5.6	0
09/07/2022 08:40	3.8	192	15	6.3	0
09/07/2022 08:50	4.4	191	13	6.1	0
09/07/2022 09:00	3.6	187	18	5.4	0
09/07/2022 09:10	2.5	163	27	3.9	0
09/07/2022 09:20	2.8	163	35	4.5	0
09/07/2022 09:30	2.7	167	37	4.8	0
09/07/2022 09:40	2.5	162	25	4.2	0
09/07/2022 09:50	2.9	136	18	4.7	0
09/07/2022 10:00	2.3	159	25	3.6	0
09/07/2022 10:10	2.2	176	29	3.9	0
09/07/2022 10:20	1.9	99	36	3.1	0
09/07/2022 10:30	2.2	68	32	3.5	0
09/07/2022 10:40	2.3	46	14	3.2	0
09/07/2022 10:50	2.3	37	19	3.4	0
09/07/2022 11:00	3.2	35	12	4	0
09/07/2022 11:10	2.5	50	16	3.4	0
09/07/2022 11:20	2.6	49	16	3.5	0
09/07/2022 11:30	2.4	58	19	3.3	0
09/07/2022 11:40	2.5	59	17	3.2	0
09/07/2022 11:50	2.8	58	15	3.6	0
09/07/2022 12:00	3.2	62	11	4	0
09/07/2022 12:10	3	63	25	4.3	0
09/07/2022 12:20	3.1	64	20	4.4	0
09/07/2022 12:30	3.3	51	16	4.5	0
09/07/2022 12:40	3.2	58	14	4.3	0
09/07/2022 12:50	2.9	62	15	3.9	0
09/07/2022 13:00	2.8	73	21	4	0
09/07/2022 13:10	3	63	15	4.4	0
09/07/2022 13:20	3.6	59	13	4.9	0
09/07/2022 13:30	2.9	200	37	4.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/07/2022 13:40	3.6	180	18	5.6	0
09/07/2022 13:50	3.2	335	19	5	0
09/07/2022 14:00	3.5	12	19	4.8	0
09/07/2022 14:10	2.7	159	39	5.7	0
09/07/2022 14:20	2.9	331	27	5.3	0
09/07/2022 14:30	3.5	338	20	5.6	0
09/07/2022 14:40	3.7	339	26	5.7	0
09/07/2022 14:50	3.8	174	21	5.6	0
09/07/2022 15:00	4	337	19	5.5	0
09/07/2022 15:10	3.6	330	20	5.7	0
09/07/2022 15:20	4.3	346	16	5.8	0
09/07/2022 15:30	4.2	333	15	5.9	0
09/07/2022 15:40	4.3	337	14	6.2	0
09/07/2022 15:50	4.4	333	13	6.5	0
09/07/2022 16:00	4.3	334	14	6	0
09/07/2022 16:10	4.1	337	19	5.7	0
09/07/2022 16:20	4	336	15	5.6	0
09/07/2022 16:30	3.4	332	17	4.8	0
09/07/2022 16:40	3.6	331	16	5.1	0
09/07/2022 16:50	3.5	331	17	4.9	0
09/07/2022 17:00	3.5	330	16	5.1	0
09/07/2022 17:10	3.6	328	17	5.6	0
09/07/2022 17:20	4	328	11	5.6	0
09/07/2022 17:30	3.6	333	16	5.2	0
09/07/2022 17:40	3.8	331	14	5.5	0
09/07/2022 17:50	3.4	327	13	4.9	0
09/07/2022 18:00	3.1	329	13	4.4	0
09/07/2022 18:10	3.4	327	14	4.7	0
09/07/2022 18:20	2.7	323	17	4	0
09/07/2022 18:30	1.8	314	23	3.2	0
09/07/2022 18:40	2	308	23	3.2	0
09/07/2022 18:50	2.3	305	18	3.7	0
09/07/2022 19:00	2.3	302	22	3.7	0
09/07/2022 19:10	2.4	283	22	3.8	0
09/07/2022 19:20	2.2	275	26	3.5	0
09/07/2022 19:30	2.1	264	26	3.9	0
09/07/2022 19:40	2.6	266	24	4.2	0
09/07/2022 19:50	2.7	267	18	4.6	0
09/07/2022 20:00	2.3	266	25	3.3	0
09/07/2022 20:10	2.5	268	21	3.7	0
09/07/2022 20:20	2.2	265	28	3.7	0
09/07/2022 20:30	2.3	259	26	4	0
09/07/2022 20:40	2.3	267	22	4	0
09/07/2022 20:50	1.8	261	53	3.4	0
09/07/2022 21:00	1.5	267	50	2.7	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/07/2022 21:10	1.7	270	51	3.1	0
09/07/2022 21:20	1.2	238	89	2.8	0
09/07/2022 21:30	1.4	265	76	3.2	0
09/07/2022 21:40	1.2	204	60	2.5	0
09/07/2022 21:50	1.6	243	39	3.2	0
09/07/2022 22:00	1.9	246	36	3.2	0
09/07/2022 22:10	1.4	248	46	2.8	0
09/07/2022 22:20	1.2	205	51	2.3	0
09/07/2022 22:30	1.3	211	57	2.5	0
09/07/2022 22:40	1.2	226	44	2.4	0
09/07/2022 22:50	1.1	230	46	2.2	0
09/07/2022 23:00	0.7	206	73	2.3	0
09/07/2022 23:10	1	199	64	1.8	0
09/07/2022 23:20	1	219	64	2	0
09/07/2022 23:30	1	183	27	1.9	0
09/07/2022 23:40	1.2	195	52	2.1	0
09/07/2022 23:50	1	187	50	1.9	0
09/08/2022 00:00	1.1	178	57	1.8	0
09/08/2022 00:10	1	193	63	1.6	0
09/08/2022 00:20	1.1	196	67	2.2	0
09/08/2022 00:30	1.9	247	54	3.6	0
09/08/2022 00:40	1.7	256	54	3.6	0
09/08/2022 00:50	1.7	244	53	3.6	0
09/08/2022 01:00	1.2	217	62	2.2	0
09/08/2022 01:10	1.5	225	67	2.8	0
09/08/2022 01:20	1.4	202	48	2.4	0
09/08/2022 01:30	1.6	237	40	3.2	0
09/08/2022 01:40	1.5	226	54	2.9	0
09/08/2022 01:50	1.3	243	55	2.8	0
09/08/2022 02:00	1	196	56	2.5	0
09/08/2022 02:10	1.2	180	43	2.6	0
09/08/2022 02:20	0.9	146	62	1.8	0
09/08/2022 02:30	1.2	206	62	2.4	0
09/08/2022 02:40	1	200	69	2.3	0
09/08/2022 02:50	1.1	183	30	1.9	0
09/08/2022 03:00	1.1	172	39	2	0
09/08/2022 03:10	0.9	161	51	1.6	0
09/08/2022 03:20	0.9	125	49	1.9	0
09/08/2022 03:30	0.9	173	37	1.6	0
09/08/2022 03:40	1.5	183	20	2.4	0
09/08/2022 03:50	1.2	178	19	1.8	0
09/08/2022 04:00	1.4	190	13	2.1	0
09/08/2022 04:10	1.5	211	30	2.4	0
09/08/2022 04:20	1.5	193	19	2.5	0
09/08/2022 04:30	1.1	184	17	1.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/08/2022 04:40	1.2	304	44	1.9	0
09/08/2022 04:50	0.7	185	21	1.5	0
09/08/2022 05:00	0.8	290	28	1.2	0
09/08/2022 05:10	1	204	37	1.6	0
09/08/2022 05:20	0.8	174	53	1.7	0
09/08/2022 05:30	0.6	273	71	1.1	0
09/08/2022 05:40	0.6	337	16	0.9	0
09/08/2022 05:50	0.6	193	18	1.1	0
09/08/2022 06:00	1.2	218	49	2.3	0
09/08/2022 06:10	1.7	161	32	2.8	0
09/08/2022 06:20	1.3	148	24	2.5	0
09/08/2022 06:30	2.1	136	22	3.6	0
09/08/2022 06:40	3	132	20	4.2	0
09/08/2022 06:50	3.1	148	20	5	0
09/08/2022 07:00	3.5	157	13	4.8	0
09/08/2022 07:10	2.8	151	17	3.8	0
09/08/2022 07:20	2	148	22	3.6	0
09/08/2022 07:30	2.1	114	20	3.2	0
09/08/2022 07:40	2.4	105	12	3.2	0
09/08/2022 07:50	2.7	109	12	3.5	0
09/08/2022 08:00	2.2	110	16	3	0
09/08/2022 08:10	2.2	100	13	3.2	0
09/08/2022 08:20	2.3	96	14	3.1	0
09/08/2022 08:30	2.4	100	12	3.3	0
09/08/2022 08:40	2.4	101	10	3.2	0
09/08/2022 08:50	2.3	104	15	2.8	0
09/08/2022 09:00	2.4	106	11	3	0
09/08/2022 09:10	2.5	102	14	3.2	0
09/08/2022 09:20	2.3	97	15	3.2	0
09/08/2022 09:30	2.2	79	25	3.3	0
09/08/2022 09:40	2.3	61	21	3.3	0
09/08/2022 09:50	2.3	67	20	3.1	0
09/08/2022 10:00	2.6	53	14	3.3	0
09/08/2022 10:10	2.5	54	13	3.3	0
09/08/2022 10:20	2.3	55	15	3	0
09/08/2022 10:30	2.4	57	17	3.4	0
09/08/2022 10:40	2.1	70	21	2.8	0
09/08/2022 10:50	2.3	62	18	3.2	0
09/08/2022 11:00	2.2	62	18	3.2	0
09/08/2022 11:10	2.7	65	20	3.7	0
09/08/2022 11:20	2.8	55	12	3.6	0
09/08/2022 11:30	2.8	55	16	3.7	0
09/08/2022 11:40	2.7	58	16	3.6	0
09/08/2022 11:50	3	49	12	3.7	0
09/08/2022 12:00	3.1	63	13	4	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/08/2022 12:10	3	58	15	4	0
09/08/2022 12:20	3	54	14	3.9	0
09/08/2022 12:30	3	55	14	4	0
09/08/2022 12:40	3.2	60	14	4	0
09/08/2022 12:50	3.2	60	12	3.9	0
09/08/2022 13:00	3.2	58	15	4	0
09/08/2022 13:10	3.3	60	13	4.4	0
09/08/2022 13:20	3.2	50	16	4.2	0
09/08/2022 13:30	3.4	51	15	4.3	0
09/08/2022 13:40	3.4	54	14	4.4	0
09/08/2022 13:50	3.4	54	15	4.4	0
09/08/2022 14:00	3.5	60	12	4.7	0
09/08/2022 14:10	3.5	56	15	4.6	0
09/08/2022 14:20	3.9	59	12	4.9	0
09/08/2022 14:30	3.8	55	14	4.8	0
09/08/2022 14:40	3.6	48	14	4.7	0
09/08/2022 14:50	3.7	49	14	4.8	0
09/08/2022 15:00	3.7	55	12	4.9	0
09/08/2022 15:10	3.4	48	14	4.4	0
09/08/2022 15:20	3.5	53	13	4.4	0
09/08/2022 15:30	3.3	53	13	4.4	0
09/08/2022 15:40	3.3	58	14	4.3	0
09/08/2022 15:50	3.3	57	13	4.3	0
09/08/2022 16:00	3.2	49	12	4.4	0
09/08/2022 16:10	3.1	53	16	4.2	0
09/08/2022 16:20	3.2	50	13	4.1	0
09/08/2022 16:30	3	48	14	4.2	0
09/08/2022 16:40	3.3	44	11	4.3	0
09/08/2022 16:50	3.4	40	13	4.4	0
09/08/2022 17:00	3.4	49	11	4.5	0
09/08/2022 17:10	3.2	51	12	4.1	0
09/08/2022 17:20	2.8	38	18	4.1	0
09/08/2022 17:30	2.8	46	13	4	0
09/08/2022 17:40	2.5	43	13	3.6	0
09/08/2022 17:50	2.3	28	12	3.1	0
09/08/2022 18:00	1.9	14	23	3	0
09/08/2022 18:10	0.8	9	20	1.2	0
09/08/2022 18:20	1.1	346	15	2.4	0
09/08/2022 18:30	1.6	345	17	2.1	0
09/08/2022 18:40	1.1	326	30	2	0
09/08/2022 18:50	1.7	331	12	2.3	0
09/08/2022 19:00	2	317	15	2.9	0
09/08/2022 19:10	2	323	15	3.1	0
09/08/2022 19:20	2	326	16	2.9	0
09/08/2022 19:30	1.6	328	13	2.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/08/2022 19:40	1.7	293	18	2.4	0
09/08/2022 19:50	1.7	305	15	2.2	0
09/08/2022 20:00	1.5	323	18	2	0
09/08/2022 20:10	1.8	311	15	2.7	0
09/08/2022 20:20	1.9	316	13	2.8	0
09/08/2022 20:30	2.2	309	16	3.1	0
09/08/2022 20:40	1.6	299	30	3.1	0
09/08/2022 20:50	1.7	290	24	2.8	0
09/08/2022 21:00	1.4	289	34	2.4	0
09/08/2022 21:10	1.8	301	24	3.2	0
09/08/2022 21:20	1.2	292	46	2.3	0
09/08/2022 21:30	1.6	263	35	2.8	0
09/08/2022 21:40	1.9	262	31	3.7	0
09/08/2022 21:50	1.2	215	59	2.4	0
09/08/2022 22:00	1.1	217	58	2.6	0
09/08/2022 22:10	1.3	256	55	2.3	0
09/08/2022 22:20	1.9	265	24	3.1	0
09/08/2022 22:30	1.3	253	43	2.4	0
09/08/2022 22:40	2	263	20	3.2	0
09/08/2022 22:50	1.7	246	39	2.8	0
09/08/2022 23:00	1.7	250	36	2.9	0
09/08/2022 23:10	1.3	263	37	2.4	0
09/08/2022 23:20	1.3	247	36	2.3	0
09/08/2022 23:30	1.3	232	49	2.2	0
09/08/2022 23:40	1.3	310	27	2.4	0
09/08/2022 23:50	1	283	28	2	0
09/09/2022 00:00	0.5	246	63	1.6	0
09/09/2022 00:10	1	221	55	1.9	0
09/09/2022 00:20	1.1	326	38	2	0
09/09/2022 00:30	1	314	38	1.7	0
09/09/2022 00:40	1.3	342	16	1.8	0
09/09/2022 00:50	1.6	275	36	3	0
09/09/2022 01:00	1.5	242	47	2.9	0
09/09/2022 01:10	1.7	247	34	3.2	0
09/09/2022 01:20	1.1	269	40	2.3	0
09/09/2022 01:30	1.1	215	53	2.6	0
09/09/2022 01:40	1.4	235	43	2.5	0
09/09/2022 01:50	1.3	215	49	2.7	0
09/09/2022 02:00	1.6	236	53	2.8	0
09/09/2022 02:10	1.2	246	51	2.4	0
09/09/2022 02:20	1.3	216	59	2.6	0
09/09/2022 02:30	1	215	46	1.8	0
09/09/2022 02:40	1.1	186	51	1.9	0
09/09/2022 02:50	0.9	193	51	1.9	0
09/09/2022 03:00	0.8	171	43	1.3	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/09/2022 03:10	0.8	172	44	1.4	0
09/09/2022 03:20	1	207	46	1.8	0
09/09/2022 03:30	0.8	173	22	1.5	0
09/09/2022 03:40	0.9	185	24	1.6	0
09/09/2022 03:50	0.9	176	39	1.8	0
09/09/2022 04:00	1.2	178	27	1.8	0
09/09/2022 04:10	1	179	45	1.8	0
09/09/2022 04:20	0.8	160	26	1.5	0
09/09/2022 04:30	0.9	182	22	1.4	0
09/09/2022 04:40	0.9	165	30	1.6	0
09/09/2022 04:50	1.4	186	17	2	0
09/09/2022 05:00	1.4	196	18	2.1	0
09/09/2022 05:10	1.2	195	28	1.9	0
09/09/2022 05:20	1.2	192	25	2.4	0
09/09/2022 05:30	1.5	202	17	2.3	0
09/09/2022 05:40	1.8	203	13	2.5	0
09/09/2022 05:50	1.6	205	15	2	0
09/09/2022 06:00	1.2	207	17	1.6	0
09/09/2022 06:10	1.2	288	34	1.6	0
09/09/2022 06:20	1	172	23	1.6	0
09/09/2022 06:30	0.4	217	17	0.8	0
09/09/2022 06:40					0
09/09/2022 06:50					0
09/09/2022 07:00	0.1	240	0	0.6	0
09/09/2022 07:10	0.3	127	10	0.7	0
09/09/2022 07:20	0	34	1	0.4	0
09/09/2022 07:30	1.8	107	13	2.8	0
09/09/2022 07:40	1.6	126	16	2.4	0
09/09/2022 07:50	1.3	135	21	2	0
09/09/2022 08:00	1.5	103	24	2.1	0
09/09/2022 08:10	1.2	115	36	2.3	0
09/09/2022 08:20	1.6	162	31	2.4	0
09/09/2022 08:30	1.5	147	37	2.5	0
09/09/2022 08:40	1.5	138	25	2.5	0
09/09/2022 08:50	1.8	114	15	2.4	0
09/09/2022 09:00	1.9	148	32	2.5	0
09/09/2022 09:10	1.6	145	23	2.7	0
09/09/2022 09:20	1.2	134	46	2.1	0
09/09/2022 09:30	1.4	123	26	2.1	0
09/09/2022 09:40	1.5	101	23	2.5	0
09/09/2022 09:50	1.2	98	19	1.6	0
09/09/2022 10:00	0.9	113	42	1.4	0
09/09/2022 10:10	1.8	301	79	3.2	0
09/09/2022 10:20	1.8	269	28	3.3	0
09/09/2022 10:30	1.5	266	67	3	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/09/2022 10:40	1.2	215	60	2	0
09/09/2022 10:50	1.9	287	42	3.4	0
09/09/2022 11:00	1.7	254	47	2.9	0
09/09/2022 11:10	1.8	278	38	3.1	0
09/09/2022 11:20	2.2	258	43	4.5	0
09/09/2022 11:30	2.1	262	39	3.6	0
09/09/2022 11:40	3	255	23	4.8	0
09/09/2022 11:50	2.8	265	27	4.2	0
09/09/2022 12:00	2.7	278	31	4	0
09/09/2022 12:10	2.6	267	23	4.1	0
09/09/2022 12:20	2.3	253	43	3.9	0
09/09/2022 12:30	2.5	275	26	4.4	0
09/09/2022 12:40	2.3	277	28	4.5	0
09/09/2022 12:50	2.6	289	24	4	0
09/09/2022 13:00	2	275	32	3.6	0
09/09/2022 13:10	2.3	265	38	4.1	0
09/09/2022 13:20	3	267	36	4.3	0
09/09/2022 13:30	2.5	225	33	4.4	0
09/09/2022 13:40	3.2	267	28	6.1	0
09/09/2022 13:50	2.9	274	28	5.3	0
09/09/2022 14:00	3.1	267	27	5	0
09/09/2022 14:10	3.4	279	26	4.9	0
09/09/2022 14:20	2.9	272	27	5.6	0
09/09/2022 14:30	3.1	272	27	5.1	0
09/09/2022 14:40	3	282	28	4.6	0
09/09/2022 14:50	2.7	280	27	4.7	0
09/09/2022 15:00	3.1	276	27	4.8	0
09/09/2022 15:10	3.5	273	22	5.2	0
09/09/2022 15:20	3.2	274	22	4.8	0
09/09/2022 15:30	3.4	281	22	5.6	0
09/09/2022 15:40	3.2	263	32	5.2	0
09/09/2022 15:50	2.8	273	28	5	0
09/09/2022 16:00	2.7	278	29	4.4	0
09/09/2022 16:10	2.9	274	29	4.5	0
09/09/2022 16:20	3	271	23	5	0
09/09/2022 16:30	3.2	275	25	5.2	0
09/09/2022 16:40	3.2	274	25	5	0
09/09/2022 16:50	3.1	279	26	5.2	0
09/09/2022 17:00	3.6	272	26	6.3	0
09/09/2022 17:10	3.1	272	27	5.2	0
09/09/2022 17:20	3.4	272	28	6	0
09/09/2022 17:30	3.2	271	34	6	0
09/09/2022 17:40	2.8	265	39	4.8	0
09/09/2022 17:50	3.2	266	35	5.3	0
09/09/2022 18:00	2.6	265	35	5.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/09/2022 18:10	2.6	265	43	4.9	0
09/09/2022 18:20	2.8	268	40	4.7	0
09/09/2022 18:30	2.9	276	36	4.7	0
09/09/2022 18:40	2.4	257	54	4.7	0
09/09/2022 18:50	2.6	274	31	4.1	0
09/09/2022 19:00	2.5	267	42	4.4	0
09/09/2022 19:10	2.2	276	31	3.9	0
09/09/2022 19:20	2.7	273	22	4.2	0
09/09/2022 19:30	2.7	273	26	4.4	0
09/09/2022 19:40	1.9	266	56	3.6	0
09/09/2022 19:50	1.7	241	64	4	0
09/09/2022 20:00	2.1	256	51	4.6	0
09/09/2022 20:10	2.2	235	58	4.7	0
09/09/2022 20:20	2.1	237	58	4.8	0
09/09/2022 20:30	1.7	247	56	3.9	0
09/09/2022 20:40	1.9	241	63	4.1	0
09/09/2022 20:50	2.3	262	40	4.2	0
09/09/2022 21:00	2.3	250	45	4.6	0
09/09/2022 21:10	2.1	252	46	4	0
09/09/2022 21:20	1.7	214	69	3.2	0
09/09/2022 21:30	1.7	238	58	3.5	0
09/09/2022 21:40	1.5	205	62	3.5	0
09/09/2022 21:50	1.9	234	57	4.3	0
09/09/2022 22:00	1.8	253	49	3.7	0
09/09/2022 22:10	1.3	191	54	2.4	0
09/09/2022 22:20	1.1	157	61	2.3	0
09/09/2022 22:30	1.4	194	64	3.1	0
09/09/2022 22:40	1.2	222	82	3.2	0
09/09/2022 22:50	1.2	256	53	3	0
09/09/2022 23:00	0.7	200	79	1.5	0
09/09/2022 23:10	1.1	217	52	1.8	0
09/09/2022 23:20	1	206	72	2.5	0
09/09/2022 23:30	0.9	189	41	2	0
09/09/2022 23:40	0.9	220	61	1.6	0
09/09/2022 23:50	1	177	54	2	0
09/10/2022 00:00	0.9	202	67	1.6	0
09/10/2022 00:10	1.1	191	63	2.2	0
09/10/2022 00:20	1.3	202	48	2.8	0
09/10/2022 00:30	0.8	180	66	1.8	0
09/10/2022 00:40	1	208	73	2.4	0
09/10/2022 00:50	1.2	216	62	2.3	0
09/10/2022 01:00	1.2	202	55	2.9	0
09/10/2022 01:10	2	205	33	3.9	0
09/10/2022 01:20	2.4	197	34	3.9	0
09/10/2022 01:30	2.5	205	29	4.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/10/2022 01:40	2.4	209	32	4.7	0
09/10/2022 01:50	2.7	206	31	4.9	0
09/10/2022 02:00	2.2	201	32	4.4	0
09/10/2022 02:10	3	202	32	5.6	0
09/10/2022 02:20	3.3	213	32	5.9	0
09/10/2022 02:30	3.5	206	30	6.4	0
09/10/2022 02:40	3.1	207	28	5.7	0
09/10/2022 02:50	3	213	33	6.4	0
09/10/2022 03:00	3	201	29	5.2	0
09/10/2022 03:10	3.5	204	30	6.4	0
09/10/2022 03:20	3.2	207	29	5.2	0
09/10/2022 03:30	3.1	205	30	6	0
09/10/2022 03:40	3	206	26	5.2	0
09/10/2022 03:50	3.4	213	26	5.3	0
09/10/2022 04:00	3.3	211	25	5.5	0
09/10/2022 04:10	2.7	219	33	4.9	0
09/10/2022 04:20	2.5	207	32	5	0
09/10/2022 04:30	2.4	204	27	4.2	0
09/10/2022 04:40	2.2	209	30	3.6	0
09/10/2022 04:50	2.3	203	34	4.5	0
09/10/2022 05:00	2.3	200	25	4	0
09/10/2022 05:10	2.7	199	28	4.8	0
09/10/2022 05:20	2.7	203	27	4.6	0
09/10/2022 05:30	2.8	203	28	4.5	0
09/10/2022 05:40	2.4	204	30	4.3	0
09/10/2022 05:50	2.7	205	30	4.7	0
09/10/2022 06:00	3.3	200	17	5.1	0
09/10/2022 06:10	3.7	203	16	5.2	0
09/10/2022 06:20	3.3	202	16	4.4	0
09/10/2022 06:30	3.4	205	15	4.6	0
09/10/2022 06:40	2.9	204	15	4.7	0
09/10/2022 06:50	3.1	205	17	4.4	0
09/10/2022 07:00	3.6	205	16	5.2	0
09/10/2022 07:10	3.2	201	14	4.4	0
09/10/2022 07:20	3.3	200	15	5.2	0
09/10/2022 07:30	3.3	205	16	5	0
09/10/2022 07:40	3	208	14	4.3	0
09/10/2022 07:50	3.3	190	14	4.8	0
09/10/2022 08:00	3	198	18	5	0
09/10/2022 08:10	3	192	16	4.2	0
09/10/2022 08:20	3.3	195	14	4.7	0
09/10/2022 08:30	3.2	194	15	4.9	0
09/10/2022 08:40	3.1	192	17	4.2	0
09/10/2022 08:50	3.3	201	17	4.8	0
09/10/2022 09:00	3.5	203	19	5.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/10/2022 09:10	3.5	201	20	5.5	0
09/10/2022 09:20	3.3	201	20	5.3	0
09/10/2022 09:30	3.2	201	24	5	0
09/10/2022 09:40	3.2	204	21	5.8	0
09/10/2022 09:50	3.7	207	22	5.8	0
09/10/2022 10:00	4.1	203	19	6.7	0
09/10/2022 10:10	2.8	214	31	4.8	0
09/10/2022 10:20	3.4	209	26	5.6	0
09/10/2022 10:30	4	209	22	6.4	0
09/10/2022 10:40	3.5	201	20	5.9	0
09/10/2022 10:50	3.1	215	29	5.1	0
09/10/2022 11:00	2.7	226	43	4.7	0
09/10/2022 11:10	3.1	260	31	4.9	0
09/10/2022 11:20	3.6	275	26	6.2	0
09/10/2022 11:30	3.6	279	24	6	0
09/10/2022 11:40	3.7	280	25	5.8	0
09/10/2022 11:50	4	286	26	5.8	0
09/10/2022 12:00	3.7	276	25	5.9	0
09/10/2022 12:10	3.8	275	23	5.9	0
09/10/2022 12:20	3.9	275	23	5.9	0
09/10/2022 12:30	4.1	279	24	6.5	0
09/10/2022 12:40	3.8	277	26	6	0
09/10/2022 12:50	4	279	23	6.2	0
09/10/2022 13:00	3.7	276	27	6.4	0
09/10/2022 13:10	4	278	20	6	0
09/10/2022 13:20	4.4	289	26	6.6	0
09/10/2022 13:30	4.1	271	21	6.1	0
09/10/2022 13:40	3.8	283	28	6.2	0
09/10/2022 13:50	4.2	284	25	6.7	0
09/10/2022 14:00	4.3	281	22	6.9	0
09/10/2022 14:10	4.1	279	24	6.1	0
09/10/2022 14:20	4.2	278	20	6.8	0
09/10/2022 14:30	4.1	278	26	6.7	0
09/10/2022 14:40	4	278	27	6.6	0
09/10/2022 14:50	4	284	22	6	0
09/10/2022 15:00	4	279	23	6.4	0
09/10/2022 15:10	4.3	283	21	7.1	0
09/10/2022 15:20	4.3	264	31	6.6	0
09/10/2022 15:30	4.2	270	24	6.5	0
09/10/2022 15:40	3.7	272	30	6.7	0
09/10/2022 15:50	4.3	279	22	6.5	0
09/10/2022 16:00	4.2	282	26	7	0
09/10/2022 16:10	4.4	279	19	6.6	0
09/10/2022 16:20	4.3	279	19	7	0
09/10/2022 16:30	4	276	25	6.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/10/2022 16:40	3.8	268	30	6.4	0
09/10/2022 16:50	4	272	24	6.5	0
09/10/2022 17:00	4.1	272	25	7	0
09/10/2022 17:10	4.3	271	25	6.8	0
09/10/2022 17:20	3.5	269	29	6.5	0
09/10/2022 17:30	4.1	271	22	6.5	0
09/10/2022 17:40	3.5	273	26	5.5	0
09/10/2022 17:50	4	269	24	6.3	0
09/10/2022 18:00	3.9	268	23	6.2	0
09/10/2022 18:10	3.6	262	31	5.9	0
09/10/2022 18:20	3.7	268	24	6.7	0
09/10/2022 18:30	3.3	263	38	6	0
09/10/2022 18:40	2.5	255	45	4.8	0
09/10/2022 18:50	3.2	260	37	6.2	0
09/10/2022 19:00	2.9	267	34	4.6	0
09/10/2022 19:10	2.3	257	47	5	0
09/10/2022 19:20	3	276	27	5.1	0
09/10/2022 19:30	2.5	273	32	4.9	0
09/10/2022 19:40	2.3	263	38	5	0
09/10/2022 19:50	2.3	239	49	4.3	0
09/10/2022 20:00	2.6	246	37	5.5	0
09/10/2022 20:10	2	236	53	4.2	0
09/10/2022 20:20	2.4	240	53	5.2	0
09/10/2022 20:30	2.5	253	37	4	0
09/10/2022 20:40	2	242	52	4.6	0
09/10/2022 20:50	2.2	267	57	4.6	0
09/10/2022 21:00	2.4	251	41	4.4	0
09/10/2022 21:10	2.7	265	35	4.8	0
09/10/2022 21:20	2.1	262	46	4.3	0
09/10/2022 21:30	2.1	257	48	4	0
09/10/2022 21:40	2.2	237	51	4.5	0
09/10/2022 21:50	2	238	36	4.2	0
09/10/2022 22:00	2.1	244	52	4.1	0
09/10/2022 22:10	2	219	49	4.4	0
09/10/2022 22:20	2	227	57	4.8	0
09/10/2022 22:30	2.4	209	40	5.3	0
09/10/2022 22:40	3.2	208	29	5.5	0
09/10/2022 22:50	3.1	207	28	5.6	0
09/10/2022 23:00	2.7	218	42	5.2	0
09/10/2022 23:10	2.2	212	39	4.2	0
09/10/2022 23:20	2.3	212	39	4.3	0
09/10/2022 23:30	2.7	216	31	4.7	0
09/10/2022 23:40	2.8	215	27	4.6	0
09/10/2022 23:50	1.9	227	50	3.6	0
09/11/2022 00:00	2.5	246	33	4.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/11/2022 00:10	2.6	249	26	4.5	0
09/11/2022 00:20	2.8	246	22	4.3	0
09/11/2022 00:30	2.2	255	23	3.5	0
09/11/2022 00:40	1.8	257	26	3.3	0
09/11/2022 00:50	1.3	273	37	2.5	0
09/11/2022 01:00	1.2	287	21	1.7	0
09/11/2022 01:10	1.1	290	18	1.8	0
09/11/2022 01:20	1.4	238	32	2.5	0
09/11/2022 01:30	1.8	221	29	3.1	0
09/11/2022 01:40	2	237	22	3.1	0
09/11/2022 01:50	1.5	261	25	2.4	0
09/11/2022 02:00	1.6	297	19	2	0
09/11/2022 02:10	1.3	274	17	2	0
09/11/2022 02:20	0.2	40	24	1	0
09/11/2022 02:30	1	241	24	1.6	0
09/11/2022 02:40	1.8	267	10	2.4	0
09/11/2022 02:50	1.5	278	13	2.1	0
09/11/2022 03:00	1	257	20	1.7	0
09/11/2022 03:10	2.2	246	13	3	0
09/11/2022 03:20	2.9	211	15	4	0
09/11/2022 03:30	3.2	201	10	4.3	0
09/11/2022 03:40	2.9	203	10	3.9	0
09/11/2022 03:50	2.9	204	12	3.8	0
09/11/2022 04:00	2.6	200	13	3.6	0
09/11/2022 04:10	3.4	195	9	4.6	0
09/11/2022 04:20	3.8	195	11	5	0
09/11/2022 04:30	3.2	196	11	4.5	0
09/11/2022 04:40	3.2	194	11	4.4	0
09/11/2022 04:50	4.5	196	9	5.8	0
09/11/2022 05:00	4.6	192	9	5.7	0
09/11/2022 05:10	3.8	189	13	5	0
09/11/2022 05:20	3.7	191	12	5.1	0
09/11/2022 05:30	3.8	190	11	4.9	0
09/11/2022 05:40	4.4	194	10	5.7	0
09/11/2022 05:50	4.3	191	8	5.3	0
09/11/2022 06:00	4.4	191	8	5.6	0
09/11/2022 06:10	4.6	191	9	5.8	0
09/11/2022 06:20	4.4	192	7	5.2	0
09/11/2022 06:30	4.4	194	8	5.6	0
09/11/2022 06:40	3.5	185	11	5.2	0
09/11/2022 06:50	3.4	179	14	4.8	0
09/11/2022 07:00	3.4	184	15	4.7	0
09/11/2022 07:10	3.4	181	15	4.8	0
09/11/2022 07:20	3.3	178	15	4.8	0
09/11/2022 07:30	2.9	181	16	4.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/11/2022 07:40	2	147	20	3	0
09/11/2022 07:50	2.5	144	18	3.8	0
09/11/2022 08:00	2.4	144	20	3.6	0
09/11/2022 08:10	2.4	142	20	3.8	0
09/11/2022 08:20	2	128	28	3.5	0
09/11/2022 08:30	2.7	133	25	4	0
09/11/2022 08:40	2.6	128	24	4.2	0
09/11/2022 08:50	2.6	127	19	3.8	0
09/11/2022 09:00	2.9	131	22	4.3	0
09/11/2022 09:10	2.7	127	18	4	0
09/11/2022 09:20	2.5	127	17	3.5	0
09/11/2022 09:30	2.3	123	19	3.2	0
09/11/2022 09:40	2.2	109	21	2.9	0
09/11/2022 09:50	2.5	74	19	3.5	0
09/11/2022 10:00	2.6	68	19	3.5	0
09/11/2022 10:10	2.6	71	14	3.4	0
09/11/2022 10:20	2.6	63	16	3.5	0
09/11/2022 10:30	2.7	61	13	3.6	0
09/11/2022 10:40	3	54	15	3.8	0
09/11/2022 10:50	3	53	9	3.6	0
09/11/2022 11:00	3	64	10	3.6	0
09/11/2022 11:10	3.3	62	12	4.3	0
09/11/2022 11:20	3.7	54	9	4.4	0
09/11/2022 11:30	3.8	59	11	4.9	0
09/11/2022 11:40	4.2	58	9	5.1	0
09/11/2022 11:50	3.9	63	10	5.1	0
09/11/2022 12:00	3.8	60	10	4.8	0
09/11/2022 12:10	3.7	63	9	4.5	0
09/11/2022 12:20	3.9	60	8	4.7	0
09/11/2022 12:30	3.9	63	10	4.8	0
09/11/2022 12:40	3.9	62	9	4.8	0
09/11/2022 12:50	3.4	59	13	4.7	0
09/11/2022 13:00	3.7	63	10	4.8	0
09/11/2022 13:10	3.8	65	10	4.6	0
09/11/2022 13:20	3.8	66	10	4.6	0
09/11/2022 13:30	3.6	61	11	4.4	0
09/11/2022 13:40	3.6	65	8	4.3	0
09/11/2022 13:50	3.3	63	11	4.1	0
09/11/2022 14:00	3.3	59	12	4.5	0
09/11/2022 14:10	3.3	56	12	4.4	0
09/11/2022 14:20	3.3	46	15	4.5	0
09/11/2022 14:30	3.2	49	15	4.3	0
09/11/2022 14:40	3.5	51	15	4.7	0
09/11/2022 14:50	3.4	51	14	4.5	0
09/11/2022 15:00	3.5	50	12	4.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/11/2022 15:10	3.1	52	13	4.2	0
09/11/2022 15:20	3.7	51	11	5	0
09/11/2022 15:30	3.8	44	14	5.2	0
09/11/2022 15:40	4.1	39	14	6.1	0
09/11/2022 15:50	4	35	15	5.5	0
09/11/2022 16:00	4	20	18	6	0
09/11/2022 16:10	4.4	345	17	6.4	0
09/11/2022 16:20	4.9	352	11	6.2	0
09/11/2022 16:30	4.7	181	14	6.3	0
09/11/2022 16:40	5.1	355	15	6.7	0
09/11/2022 16:50	4.5	343	11	6	0
09/11/2022 17:00	4.5	353	13	6	0
09/11/2022 17:10	3.7	339	14	5	0
09/11/2022 17:20	3.7	338	12	4.9	0
09/11/2022 17:30	3.6	336	11	5.6	0
09/11/2022 17:40	3.4	333	14	4.9	0
09/11/2022 17:50	3.3	337	13	4.8	0
09/11/2022 18:00	3.4	341	14	4.9	0
09/11/2022 18:10	2.7	345	14	3.9	0
09/11/2022 18:20	2.9	342	12	4.1	0
09/11/2022 18:30	3	339	14	4	0
09/11/2022 18:40	2.6	337	15	3.7	0
09/11/2022 18:50	2.4	330	15	3.6	0
09/11/2022 19:00	2.3	332	13	3.5	0
09/11/2022 19:10	2.2	333	19	3.2	0
09/11/2022 19:20	2.2	332	23	3.2	0
09/11/2022 19:30	2	296	20	3.4	0
09/11/2022 19:40	2.4	291	18	3.5	0
09/11/2022 19:50	2	305	16	2.8	0
09/11/2022 20:00	1.4	292	30	2.4	0
09/11/2022 20:10	1.9	261	36	3.2	0
09/11/2022 20:20	2	261	24	3.4	0
09/11/2022 20:30	1.9	295	18	2.9	0
09/11/2022 20:40	1.5	307	26	2.2	0
09/11/2022 20:50	1.3	246	43	2.1	0
09/11/2022 21:00	1.5	248	48	2.5	0
09/11/2022 21:10	1.5	233	41	2.8	0
09/11/2022 21:20	1.4	241	55	2.4	0
09/11/2022 21:30	1.7	231	38	2.9	0
09/11/2022 21:40	1.5	253	40	2.6	0
09/11/2022 21:50	1.5	270	36	2.8	0
09/11/2022 22:00	1.2	238	52	2	0
09/11/2022 22:10	1.8	287	18	2.9	0
09/11/2022 22:20	0.8	280	43	2.1	0
09/11/2022 22:30	0.8	188	41	1.6	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/11/2022 22:40	0.9	245	61	2.3	0
09/11/2022 22:50	0.5	275	45	1.4	0
09/11/2022 23:00	1	181	41	1.7	0
09/11/2022 23:10	1.8	196	25	3.2	0
09/11/2022 23:20	1.8	204	31	3.4	0
09/11/2022 23:30	1.5	205	33	3.2	0
09/11/2022 23:40	1.1	186	37	2.7	0
09/11/2022 23:50	1	189	34	1.9	0
09/12/2022 00:00	0.4	182	52	0.8	0
09/12/2022 00:10	0.4	330	55	0.8	0
09/12/2022 00:20	1.4	192	22	2.1	0
09/12/2022 00:30	0.6	184	59	1.3	0
09/12/2022 00:40	0.6	127	37	1.4	0
09/12/2022 00:50	1.1	200	35	1.9	0
09/12/2022 01:00	0.7	191	60	2.3	0
09/12/2022 01:10	0.4	117	49	1.1	0
09/12/2022 01:20	1	195	20	1.9	0
09/12/2022 01:30	1.4	197	16	2.5	0
09/12/2022 01:40	1	192	53	1.8	0
09/12/2022 01:50	0.6	238	63	1.3	0
09/12/2022 02:00	0.6	208	54	1.4	0
09/12/2022 02:10	0.8	191	30	1.2	0
09/12/2022 02:20	1	231	42	2.3	0
09/12/2022 02:30	1.1	190	47	2.4	0
09/12/2022 02:40	0.6	268	37	1.4	0
09/12/2022 02:50	0.8	270	40	1.6	0
09/12/2022 03:00	0.8	298	46	1.6	0
09/12/2022 03:10	1.2	309	30	2	0
09/12/2022 03:20	1.2	321	38	1.9	0
09/12/2022 03:30	1.5	290	15	2.4	0
09/12/2022 03:40	1.3	293	14	2	0
09/12/2022 03:50	1.1	279	16	1.6	0
09/12/2022 04:00	1.4	269	11	2.1	0
09/12/2022 04:10	1.5	292	9	1.9	0
09/12/2022 04:20	1.3	285	8	1.6	0
09/12/2022 04:30	1.2	290	9	1.6	0
09/12/2022 04:40	0.6	159	9	1.3	0
09/12/2022 04:50	1.2	311	13	1.7	0
09/12/2022 05:00	0.2	287	19	0.8	0
09/12/2022 05:10	0.7	331	17	1.2	0
09/12/2022 05:20	0.8	287	7	1.2	0
09/12/2022 05:30	0.3	279	6	0.8	0
09/12/2022 05:40	0.3	198	2	1.6	0
09/12/2022 05:50	1.3	204	6	1.8	0
09/12/2022 06:00	1.2	214	10	1.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/12/2022 06:10	0.3	220	19	1	0
09/12/2022 06:20	0.2	192	4	0.7	0
09/12/2022 06:30	0.6	276	18	1.2	0
09/12/2022 06:40	1.1	202	38	2	0
09/12/2022 06:50	0.9	208	28	1.8	0
09/12/2022 07:00	1.7	197	9	2.2	0
09/12/2022 07:10	1.3	198	15	2	0
09/12/2022 07:20	0.9	269	32	1.7	0
09/12/2022 07:30	0.4	254	19	1.2	0
09/12/2022 07:40	1	275	39	1.5	0
09/12/2022 07:50	1.6	325	17	2	0
09/12/2022 08:00	1.4	334	20	2.2	0
09/12/2022 08:10	1	266	59	1.7	0
09/12/2022 08:20	0.9	259	41	1.6	0
09/12/2022 08:30	1.1	172	41	2.3	0
09/12/2022 08:40	2.2	92	15	3	0
09/12/2022 08:50	1.9	113	11	2.4	0
09/12/2022 09:00	1.8	105	19	2.5	0
09/12/2022 09:10	2.1	106	12	2.9	0
09/12/2022 09:20	2.1	106	11	2.8	0
09/12/2022 09:30	2.2	92	23	3.2	0
09/12/2022 09:40	2.8	51	13	3.6	0
09/12/2022 09:50	2.2	71	17	3.2	0
09/12/2022 10:00	2.9	52	13	3.8	0
09/12/2022 10:10	2.6	58	15	3.5	0
09/12/2022 10:20	2.6	63	16	3.5	0
09/12/2022 10:30	2.6	61	20	3.6	0
09/12/2022 10:40	2.5	51	17	3.5	0
09/12/2022 10:50	2.9	56	14	3.6	0
09/12/2022 11:00	2.5	64	17	3.4	0
09/12/2022 11:10	3	60	13	3.9	0
09/12/2022 11:20	2.9	59	14	3.9	0
09/12/2022 11:30	3.4	65	13	4.4	0
09/12/2022 11:40	3.3	43	15	4.3	0
09/12/2022 11:50	2.7	39	32	4.8	0
09/12/2022 12:00	2.7	7	33	4.2	0
09/12/2022 12:10	2.9	12	35	5	0
09/12/2022 12:20	2.7	18	43	4.4	0
09/12/2022 12:30	3.4	329	26	5.6	0
09/12/2022 12:40	3.9	328	17	5.8	0
09/12/2022 12:50	3.5	329	21	5.3	0
09/12/2022 13:00	3.7	322	20	5.7	0
09/12/2022 13:10	4.1	334	16	6	0
09/12/2022 13:20	4.1	327	18	6.4	0
09/12/2022 13:30	3.7	322	19	6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/12/2022 13:40	4.2	324	15	5.9	0
09/12/2022 13:50	4.3	323	17	6.3	0
09/12/2022 14:00	4.2	326	13	6	0
09/12/2022 14:10	4.5	326	14	6	0
09/12/2022 14:20	4	329	18	5.8	0
09/12/2022 14:30	4.5	326	16	6.2	0
09/12/2022 14:40	3.8	319	20	6.3	0
09/12/2022 14:50	4.2	318	20	6.2	0
09/12/2022 15:00	3.9	322	20	5.4	0
09/12/2022 15:10	3.9	325	15	5.7	0
09/12/2022 15:20	4.1	325	14	5.6	0
09/12/2022 15:30	3.8	321	19	5.5	0
09/12/2022 15:40	4.3	324	16	6	0
09/12/2022 15:50	4.2	330	15	6	0
09/12/2022 16:00	4	324	21	5.8	0
09/12/2022 16:10	2.9	289	27	4.6	0
09/12/2022 16:20	3	284	27	4.5	0
09/12/2022 16:30	2.6	296	32	4.4	0
09/12/2022 16:40	2.5	292	24	4.3	0
09/12/2022 16:50	2.6	297	29	4.1	0
09/12/2022 17:00	2.7	317	22	4.8	0
09/12/2022 17:10	2.9	314	22	4.8	0
09/12/2022 17:20	2.8	290	29	4.5	0
09/12/2022 17:30	2.6	316	25	4.2	0
09/12/2022 17:40	2.4	306	25	4.1	0
09/12/2022 17:50	2.2	309	25	3.6	0
09/12/2022 18:00	2.7	326	17	4.2	0
09/12/2022 18:10	2	287	27	4.1	0
09/12/2022 18:20	2.4	281	15	3.6	0
09/12/2022 18:30	2.3	276	24	3.6	0
09/12/2022 18:40	2	231	46	3.6	0
09/12/2022 18:50	1.8	279	26	2.8	0
09/12/2022 19:00	1.7	255	29	3.2	0
09/12/2022 19:10	2	273	25	3.2	0
09/12/2022 19:20	2.1	265	24	4	0
09/12/2022 19:30	1.4	221	43	2.7	0
09/12/2022 19:40	2.3	274	28	4.2	0
09/12/2022 19:50	1.8	267	40	3.3	0
09/12/2022 20:00	1.9	273	30	3.2	0
09/12/2022 20:10	2.6	273	20	4.4	0
09/12/2022 20:20	1.8	268	41	3.2	0
09/12/2022 20:30	1.8	265	38	3.5	0
09/12/2022 20:40	1.6	222	34	2.9	0
09/12/2022 20:50	1.3	197	35	2.2	0
09/12/2022 21:00	1.8	200	22	3.1	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/12/2022 21:10	1.9	195	17	2.8	0
09/12/2022 21:20	1.8	222	44	2.8	0
09/12/2022 21:30	1.1	230	48	1.9	0
09/12/2022 21:40	0.9	212	47	1.6	0
09/12/2022 21:50	1.6	254	41	2.8	0
09/12/2022 22:00	1.2	224	50	2.1	0
09/12/2022 22:10	1.5	232	50	2.6	0
09/12/2022 22:20	1.4	234	50	2.8	0
09/12/2022 22:30	1.5	251	43	2.5	0
09/12/2022 22:40	1.3	246	44	2.5	0
09/12/2022 22:50	1.3	221	50	2.4	0
09/12/2022 23:00	1.3	218	34	2.6	0
09/12/2022 23:10	1.4	198	27	2.4	0
09/12/2022 23:20	0.8	237	43	1.3	0
09/12/2022 23:30	1.3	277	28	2.5	0
09/12/2022 23:40	1	198	57	2.4	0
09/12/2022 23:50	1.1	285	29	2	0
13/09/2022 00:00	1.5	212	26	2.7	0
13/09/2022 00:10	0.9	223	56	2	0
13/09/2022 00:20	1.3	221	30	2	0
13/09/2022 00:30	1.4	271	26	3	0
13/09/2022 00:40	1.4	233	31	2.4	0
13/09/2022 00:50	1.7	202	25	2.7	0
13/09/2022 01:00	1.3	191	20	2.2	0
13/09/2022 01:10	1.1	245	59	2.4	0
13/09/2022 01:20	1	221	56	2	0
13/09/2022 01:30	1.3	267	27	2.2	0
13/09/2022 01:40	1.2	215	37	2.1	0
13/09/2022 01:50	2.3	208	20	3.6	0
13/09/2022 02:00	2.5	199	13	3.5	0
13/09/2022 02:10	1.7	185	27	2.7	0
13/09/2022 02:20	1.6	198	21	3	0
13/09/2022 02:30	2.2	202	24	3.2	0
13/09/2022 02:40	2.3	207	24	3.7	0
13/09/2022 02:50	2.3	200	14	3.5	0
13/09/2022 03:00	2.1	202	12	2.9	0
13/09/2022 03:10	2.4	198	14	3.3	0
13/09/2022 03:20	2.7	204	11	3.6	0
13/09/2022 03:30	2.5	199	11	3.4	0
13/09/2022 03:40	2	197	14	2.8	0
13/09/2022 03:50	2	194	13	2.9	0
13/09/2022 04:00	1.6	196	19	2.3	0
13/09/2022 04:10	1.4	192	14	2.4	0
13/09/2022 04:20	0.8	219	43	1.4	0
13/09/2022 04:30	0.8	248	45	1.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/09/2022 04:40	1.1	279	28	1.6	0
13/09/2022 04:50	0.8	255	30	1.4	0
13/09/2022 05:00	0.6	275	28	1.3	0
13/09/2022 05:10	0.9	206	48	1.8	0
13/09/2022 05:20	1.2	185	14	2	0
13/09/2022 05:30	1.2	249	29	2	0
13/09/2022 05:40	0.7	237	27	1.2	0
13/09/2022 05:50	0.8	222	42	1.5	0
13/09/2022 06:00	0.9	179	37	1.5	0
13/09/2022 06:10	1.2	210	39	2.2	0
13/09/2022 06:20	1.2	205	35	2.3	0
13/09/2022 06:30	1.2	218	31	2	0
13/09/2022 06:40	1.2	215	36	2.3	0
13/09/2022 06:50	0.7	204	45	1.6	0
13/09/2022 07:00	0.9	294	23	1.7	0
13/09/2022 07:10	0.9	291	23	1.4	0
13/09/2022 07:20	0.6	251	33	1.4	0
13/09/2022 07:30	1.3	195	16	2	0
13/09/2022 07:40	1.1	219	42	2	0
13/09/2022 07:50	1.2	188	37	1.8	0
13/09/2022 08:00	1.9	186	18	2.8	0
13/09/2022 08:10	1.8	182	20	2.9	0
13/09/2022 08:20	1.5	190	23	2.4	0
13/09/2022 08:30	0.8	158	54	1.4	0
13/09/2022 08:40	1.5	208	68	2.4	0
13/09/2022 08:50	1.9	282	32	2.9	0
13/09/2022 09:00	2.1	277	30	3.2	0
13/09/2022 09:10	2.3	292	34	4	0
13/09/2022 09:20	2.4	299	29	3.9	0
13/09/2022 09:30	2.6	286	24	4.2	0
13/09/2022 09:40	2.7	304	26	4.4	0
13/09/2022 09:50	2.4	268	40	3.8	0
13/09/2022 10:00	2.5	264	31	4.4	0
13/09/2022 10:10	2.7	282	27	4	0
13/09/2022 10:20	2.9	298	26	4.5	0
13/09/2022 10:30	2.9	277	32	4.8	0
13/09/2022 10:40	3.1	294	23	5.2	0
13/09/2022 10:50	3.1	280	25	4.8	0
13/09/2022 11:00	2.9	270	29	4.8	0
13/09/2022 11:10	3.3	297	28	5.6	0
13/09/2022 11:20	3.3	298	24	5.3	0
13/09/2022 11:30	3.2	279	27	5.2	0
13/09/2022 11:40	3.4	289	29	5.5	0
13/09/2022 11:50	3.7	284	28	5.8	0
13/09/2022 12:00	4	281	19	6.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/09/2022 12:10	3.8	287	26	6.2	0
13/09/2022 12:20	3.7	280	21	5.7	0
13/09/2022 12:30	4	279	23	6.4	0
13/09/2022 12:40	4	287	30	6.4	0
13/09/2022 12:50	3.8	277	23	5.9	0
13/09/2022 13:00	3.8	272	28	7.2	0
13/09/2022 13:10	4.3	273	23	6.7	0
13/09/2022 13:20	3.8	278	25	6.2	0
13/09/2022 13:30	4.2	282	25	6.7	0
13/09/2022 13:40	4.1	280	24	6.6	0
13/09/2022 13:50	4.1	279	24	6.4	0
13/09/2022 14:00	4.1	271	27	7.6	0
13/09/2022 14:10	4.3	268	29	6.9	0
13/09/2022 14:20	4	277	21	6.2	0
13/09/2022 14:30	4	272	22	6.6	0
13/09/2022 14:40	5	279	20	8.5	0
13/09/2022 14:50	5.4	277	20	9.1	0
13/09/2022 15:00	4.3	268	27	7.4	0
13/09/2022 15:10	4.8	277	20	7.5	0
13/09/2022 15:20	5	271	21	8.9	0
13/09/2022 15:30	4.8	272	25	7.6	0
13/09/2022 15:40	4.3	261	37	8	0
13/09/2022 15:50	4.7	278	25	7.9	0
13/09/2022 16:00	4.7	273	25	7.1	0
13/09/2022 16:10	4.8	274	21	7.4	0
13/09/2022 16:20	4.8	274	25	7.6	0
13/09/2022 16:30	4.3	275	20	6.9	0
13/09/2022 16:40	4.4	278	19	6.7	0
13/09/2022 16:50	4.6	272	19	7.5	0
13/09/2022 17:00	4.3	271	23	6.8	0
13/09/2022 17:10	4	276	21	6.6	0
13/09/2022 17:20	4.2	272	21	6.4	0
13/09/2022 17:30	4.3	273	25	6.9	0
13/09/2022 17:40	3.7	269	26	7.2	0
13/09/2022 17:50	4.1	271	22	6.5	0
13/09/2022 18:00	4	271	25	7.3	0
13/09/2022 18:10	3.7	266	30	6.1	0
13/09/2022 18:20	4	274	21	6.1	0
13/09/2022 18:30	3	269	28	5.6	0
13/09/2022 18:40	3.2	262	43	6.1	0
13/09/2022 18:50	3.2	268	39	5.3	0
13/09/2022 19:00	3	268	35	5.6	0
13/09/2022 19:10	2.5	269	52	5	0
13/09/2022 19:20	2.9	252	40	5.2	0
13/09/2022 19:30	2.3	268	50	4.4	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/09/2022 19:40	2.4	254	54	5	0
13/09/2022 19:50	1.9	257	50	3.9	0
13/09/2022 20:00	2.4	265	31	4.6	0
13/09/2022 20:10	2.5	262	39	4.6	0
13/09/2022 20:20	2.2	267	49	4.3	0
13/09/2022 20:30	1.8	252	58	4	0
13/09/2022 20:40	2.2	272	36	3.9	0
13/09/2022 20:50	2.1	260	37	4	0
13/09/2022 21:00	1.7	239	55	2.8	0
13/09/2022 21:10	1.3	199	52	2.8	0
13/09/2022 21:20	2.2	251	51	4.4	0
13/09/2022 21:30	2.2	240	50	3.7	0
13/09/2022 21:40	1.9	230	52	3.6	0
13/09/2022 21:50	1.9	248	50	4.1	0
13/09/2022 22:00	1.7	224	52	3.6	0
13/09/2022 22:10	2.2	252	44	4.4	0
13/09/2022 22:20	2	202	55	3.9	0
13/09/2022 22:30	1.7	244	66	3.9	0
13/09/2022 22:40	1.9	240	61	3.9	0
13/09/2022 22:50	2	221	51	3.6	0
13/09/2022 23:00	1.9	217	57	3.8	0
13/09/2022 23:10	2.1	267	39	4.1	0
13/09/2022 23:20	1.6	270	56	3.4	0
13/09/2022 23:30	1.7	197	59	3.4	0
13/09/2022 23:40	1.4	244	63	3.1	0
13/09/2022 23:50	1.6	252	56	3.1	0
14/09/2022 00:00	1.4	223	59	2.3	0
14/09/2022 00:10	1.4	219	64	2.8	0
14/09/2022 00:20	1.8	227	50	3.8	0
14/09/2022 00:30	1.7	199	52	3.6	0
14/09/2022 00:40	1.9	223	48	4.1	0
14/09/2022 00:50	2.1	207	37	4	0
14/09/2022 01:00	1.8	230	55	3.3	0
14/09/2022 01:10	1.9	196	36	3.5	0
14/09/2022 01:20	1.9	202	48	4.4	0
14/09/2022 01:30	2.1	212	48	3.9	0
14/09/2022 01:40	1.6	227	55	2.8	0
14/09/2022 01:50	1.8	186	54	3.6	0
14/09/2022 02:00	1.9	196	40	3.4	0
14/09/2022 02:10	2.2	209	37	4.1	0
14/09/2022 02:20	2.4	215	36	4	0
14/09/2022 02:30	2.7	212	27	4.9	0
14/09/2022 02:40	2.4	213	29	4.3	0
14/09/2022 02:50	2.4	212	29	4.5	0
14/09/2022 03:00	3.1	213	26	5.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/09/2022 03:10	3.6	205	18	5.8	0
14/09/2022 03:20	3.7	204	19	5.4	0
14/09/2022 03:30	4.7	202	12	6.8	0
14/09/2022 03:40	4.6	200	15	6.4	0
14/09/2022 03:50	4.9	199	12	6.9	0
14/09/2022 04:00	4.5	199	14	6.5	0
14/09/2022 04:10	4.4	203	15	6	0
14/09/2022 04:20	4.2	202	13	6	0
14/09/2022 04:30	4.5	198	11	6.2	0
14/09/2022 04:40	4.6	200	11	6.4	0
14/09/2022 04:50	4.5	204	11	6.1	0
14/09/2022 05:00	4.9	201	11	6.5	0
14/09/2022 05:10	4.7	199	10	6.1	0
14/09/2022 05:20	4.8	202	11	6.4	0
14/09/2022 05:30	4.5	201	11	6.2	0
14/09/2022 05:40	4.2	199	11	5.6	0
14/09/2022 05:50	4.3	201	12	6	0
14/09/2022 06:00	4.1	196	14	5.8	0
14/09/2022 06:10	4.5	199	13	6.2	0
14/09/2022 06:20	4.3	196	13	6.6	0
14/09/2022 06:30	3.9	197	14	5.6	0
14/09/2022 06:40	4.2	193	13	5.4	0
14/09/2022 06:50	4.1	193	14	5.9	0
14/09/2022 07:00	4.8	196	11	6.8	0
14/09/2022 07:10	4.8	196	12	7	0
14/09/2022 07:20	4.9	196	11	6.7	0
14/09/2022 07:30	5.2	194	11	7.6	0
14/09/2022 07:40	5.3	192	12	7.3	0
14/09/2022 07:50	6.1	194	9	8	0
14/09/2022 08:00	5.7	194	12	7.5	0
14/09/2022 08:10	4.9	192	12	6.9	0
14/09/2022 08:20	4.1	183	13	6	0
14/09/2022 08:30	4	182	16	6.2	0
14/09/2022 08:40	3.7	188	16	6.3	0
14/09/2022 08:50	3	184	21	4.4	0
14/09/2022 09:00	2.8	172	25	5.1	0
14/09/2022 09:10	2.3	165	24	5.1	0
14/09/2022 09:20	2.4	132	26	4.4	0
14/09/2022 09:30	3	121	28	5.2	0
14/09/2022 09:40	2.9	104	26	5.2	0
14/09/2022 09:50	2.6	109	28	4.2	0
14/09/2022 10:00	2.2	102	31	3.9	0
14/09/2022 10:10	2.5	75	17	3.6	0
14/09/2022 10:20	2.9	52	13	3.7	0
14/09/2022 10:30	2.7	50	13	3.5	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/09/2022 10:40	2.9	45	13	3.6	0
14/09/2022 10:50	2.5	50	17	3.1	0
14/09/2022 11:00	2.8	52	12	3.6	0
14/09/2022 11:10	3	54	11	3.6	0
14/09/2022 11:20	2.7	49	14	3.6	0
14/09/2022 11:30	2.5	60	14	3.2	0
14/09/2022 11:40	2.8	50	11	3.6	0
14/09/2022 11:50	2.8	59	16	3.6	0
14/09/2022 12:00	3.2	65	12	3.8	0
14/09/2022 12:10	3.4	56	15	4.9	0
14/09/2022 12:20	3.7	52	14	4.9	0
14/09/2022 12:30	3.6	54	11	4.9	0
14/09/2022 12:40	3.1	54	12	4.2	0
14/09/2022 12:50	4	52	10	4.9	0
14/09/2022 13:00	3.2	49	11	4.2	0
14/09/2022 13:10	2.1	37	33	4	0
14/09/2022 13:20	2.7	324	33	4.8	0
14/09/2022 13:30	4.3	330	16	6.4	0
14/09/2022 13:40	4.3	328	18	6.7	0
14/09/2022 13:50	4	325	21	5.8	0
14/09/2022 14:00	3.9	335	17	5.4	0
14/09/2022 14:10	4.5	330	12	6	0
14/09/2022 14:20	3.7	317	16	5.5	0
14/09/2022 14:30	4.1	329	16	6	0
14/09/2022 14:40	3.8	323	18	5.3	0
14/09/2022 14:50	3.5	315	24	5.3	0
14/09/2022 15:00	3.2	298	24	4.7	0
14/09/2022 15:10	3.8	283	20	5.6	0
14/09/2022 15:20	4	294	19	5.9	0
14/09/2022 15:30	3.7	296	22	5.6	0
14/09/2022 15:40	4	270	22	6.4	0
14/09/2022 15:50	3.7	274	20	6.2	0
14/09/2022 16:00	3.6	276	18	6.2	0
14/09/2022 16:10	3.9	285	21	6.2	0
14/09/2022 16:20	3.9	265	21	5.8	0
14/09/2022 16:30	3.7	268	20	5.6	0
14/09/2022 16:40	3.5	271	25	6.4	0
14/09/2022 16:50	4	267	27	6.4	0
14/09/2022 17:00	3.5	267	27	5.7	0
14/09/2022 17:10	3.5	271	27	5.6	0
14/09/2022 17:20	3.9	270	22	6.1	0
14/09/2022 17:30	3.7	268	21	5.6	0
14/09/2022 17:40	3.3	274	28	5.7	0
14/09/2022 17:50	3.5	272	25	5.9	0
14/09/2022 18:00	3.6	275	21	6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/09/2022 18:10	3.5	283	20	6.4	0
14/09/2022 18:20	3.6	269	21	6.4	0
14/09/2022 18:30	3.7	275	25	6.3	0
14/09/2022 18:40	3.7	272	23	6.8	0
14/09/2022 18:50	3.7	273	24	5.8	0
14/09/2022 19:00	3.2	266	26	4.9	0
14/09/2022 19:10	3.5	273	23	5.4	0
14/09/2022 19:20	3.3	269	31	5.9	0
14/09/2022 19:30	3.1	274	30	5.5	0
14/09/2022 19:40	3	271	25	5.2	0
14/09/2022 19:50	3	276	29	5.5	0
14/09/2022 20:00	2.5	261	42	5.1	0
14/09/2022 20:10	3	264	37	5.5	0
14/09/2022 20:20	3	273	24	5.3	0
14/09/2022 20:30	2.5	265	37	4.4	0
14/09/2022 20:40	3	266	21	5.6	0
14/09/2022 20:50	3	266	26	5.1	0
14/09/2022 21:00	2.3	259	49	4.3	0
14/09/2022 21:10	2.4	275	40	4.4	0
14/09/2022 21:20	1.8	261	54	3.1	0
14/09/2022 21:30	1.8	294	43	3.3	0
14/09/2022 21:40	1.4	274	47	3.4	0
14/09/2022 21:50	1.7	272	41	3.3	0
14/09/2022 22:00	2.2	273	27	3.3	0
14/09/2022 22:10	1.3	272	48	2.3	0
14/09/2022 22:20	0.9	298	60	1.9	0
14/09/2022 22:30	1.1	285	38	1.9	0
14/09/2022 22:40	1	161	28	1.6	0
14/09/2022 22:50	1.2	306	29	1.8	0
14/09/2022 23:00	2.1	261	29	3.6	0
14/09/2022 23:10	2.5	224	25	3.9	0
14/09/2022 23:20	3.7	206	16	5.5	0
14/09/2022 23:30	4.3	197	12	6.4	0
14/09/2022 23:40	5.5	195	10	7.5	0
14/09/2022 23:50	5.8	196	10	7.5	0
15/09/2022 00:00	5.8	195	10	7.9	0
15/09/2022 00:10	5.6	198	12	7.6	0
15/09/2022 00:20	5.3	201	11	7.5	0
15/09/2022 00:30	5.3	203	11	7.1	0
15/09/2022 00:40	5.3	201	12	6.8	0
15/09/2022 00:50	5.1	198	11	7.1	0
15/09/2022 01:00	4.1	197	10	5.6	0
15/09/2022 01:10	4	198	14	5.3	0
15/09/2022 01:20	3.7	201	12	5.2	0
15/09/2022 01:30	3.5	200	14	5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/09/2022 01:40	3.2	197	17	4.6	0
15/09/2022 01:50	2.6	196	16	3.7	0
15/09/2022 02:00	2.5	197	18	3.6	0
15/09/2022 02:10	1.6	180	25	2.7	0
15/09/2022 02:20	2.1	185	22	3.3	0
15/09/2022 02:30	2.3	179	27	3.9	0
15/09/2022 02:40	1.8	176	29	2.8	0
15/09/2022 02:50	2.8	189	24	4.6	0
15/09/2022 03:00	2.5	191	23	4.4	0
15/09/2022 03:10	2.1	161	31	4.2	0
15/09/2022 03:20	2.4	154	26	4	0
15/09/2022 03:30	2	142	23	3.5	0
15/09/2022 03:40	2.1	154	24	3.9	0
15/09/2022 03:50	2.5	149	21	3.9	0
15/09/2022 04:00	2.2	156	19	4.2	0
15/09/2022 04:10	2.3	151	19	3.7	0
15/09/2022 04:20	1.9	144	26	2.9	0
15/09/2022 04:30	2.1	133	27	3.9	0
15/09/2022 04:40	1.8	123	31	3.1	0
15/09/2022 04:50	1.8	121	25	3.3	0
15/09/2022 05:00	2.4	142	21	4.1	0
15/09/2022 05:10	2.3	129	28	4	0
15/09/2022 05:20	2.6	116	30	4.6	0
15/09/2022 05:30	2.3	110	24	4	0
15/09/2022 05:40	2.7	106	18	4.6	0
15/09/2022 05:50	2.6	104	19	4.9	0
15/09/2022 06:00	2.6	103	25	4.5	0
15/09/2022 06:10	2.7	109	27	5.3	0
15/09/2022 06:20	2.9	114	21	4.6	0
15/09/2022 06:30	2.9	115	20	5.1	0
15/09/2022 06:40	2.6	117	23	4.6	0
15/09/2022 06:50	2.8	117	17	4.1	0
15/09/2022 07:00	2.6	110	18	4.1	0
15/09/2022 07:10	2.6	104	19	3.8	0
15/09/2022 07:20	2.8	100	23	4.6	0
15/09/2022 07:30	2.7	102	22	5.1	0
15/09/2022 07:40	2.7	102	20	4.4	0
15/09/2022 07:50	3.4	87	17	5.1	0
15/09/2022 08:00	3.2	94	18	5	0
15/09/2022 08:10	3.4	100	21	5.2	0
15/09/2022 08:20	3.2	107	21	5.2	0
15/09/2022 08:30	3.1	107	25	5.2	0
15/09/2022 08:40	3.9	90	17	5.9	0
15/09/2022 08:50	4.2	85	15	5.9	0
15/09/2022 09:00	5	81	12	6.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/09/2022 09:10	4.7	84	12	6.4	0
15/09/2022 09:20	4.6	85	14	6.4	0
15/09/2022 09:30	4.5	83	13	6.1	0
15/09/2022 09:40	4.4	83	13	5.6	0
15/09/2022 09:50	4.3	79	11	5.9	0
15/09/2022 10:00	3.8	87	19	5.6	0
15/09/2022 10:10	3.6	77	14	5	0
15/09/2022 10:20	3.9	68	12	5.5	0
15/09/2022 10:30	3.6	75	15	5	0
15/09/2022 10:40	3.7	67	15	5.1	0
15/09/2022 10:50	3.9	75	13	5.6	0
15/09/2022 11:00	3.7	70	14	5.4	0
15/09/2022 11:10	3.9	70	15	5.6	0
15/09/2022 11:20	4.2	60	11	5.5	0
15/09/2022 11:30	4.4	62	11	5.7	0
15/09/2022 11:40	4.1	54	12	5.6	0
15/09/2022 11:50	3.8	53	14	5.2	0
15/09/2022 12:00	4.2	45	12	5.9	0
15/09/2022 12:10	4.3	41	12	5.7	0
15/09/2022 12:20	3.9	41	11	5.2	0
15/09/2022 12:30	3.9	43	15	5.3	0
15/09/2022 12:40	4.1	41	11	5.3	0
15/09/2022 12:50	4	43	11	5.2	0
15/09/2022 13:00	4.3	44	11	5.7	0
15/09/2022 13:10	4	41	14	5.6	0
15/09/2022 13:20	4.3	39	15	6.2	0
15/09/2022 13:30	4.3	41	16	6	0
15/09/2022 13:40	4.6	37	13	6.1	0
15/09/2022 13:50	4.3	37	14	6.2	0
15/09/2022 14:00	4.5	38	14	6.7	0
15/09/2022 14:10	4.3	37	15	5.7	0
15/09/2022 14:20	4.2	37	15	5.8	0
15/09/2022 14:30	4.2	42	14	5.7	0
15/09/2022 14:40	4.5	40	13	5.7	0
15/09/2022 14:50	4.2	44	14	5.6	0
15/09/2022 15:00	4	41	14	5.6	0
15/09/2022 15:10	3.8	40	14	5.5	0
15/09/2022 15:20	3.7	43	14	4.8	0
15/09/2022 15:30	4.2	46	11	5.6	0
15/09/2022 15:40	3.5	43	13	4.8	0
15/09/2022 15:50	3.6	44	11	5.4	0
15/09/2022 16:00	3.5	45	11	4.4	0
15/09/2022 16:10	3.7	48	12	4.9	0
15/09/2022 16:20	3.4	44	12	5	0
15/09/2022 16:30	3.3	45	12	4.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/09/2022 16:40	3.5	46	11	4.5	0
15/09/2022 16:50	3	191	21	4.7	0
15/09/2022 17:00	3.6	339	12	4.7	0
15/09/2022 17:10	3.3	335	15	4.9	0
15/09/2022 17:20	2.9	342	16	4	0
15/09/2022 17:30	3.1	331	12	4.4	0
15/09/2022 17:40	2.8	290	22	4.1	0
15/09/2022 17:50	2.6	291	22	4.1	0
15/09/2022 18:00	2.6	279	18	3.7	0
15/09/2022 18:10	2.5	281	23	3.9	0
15/09/2022 18:20	2.1	270	22	3.6	0
15/09/2022 18:30	2.3	264	29	3.4	0
15/09/2022 18:40	2.8	274	24	4.3	0
15/09/2022 18:50	2.4	261	30	4.3	0
15/09/2022 19:00	2.2	260	32	3.6	0
15/09/2022 19:10	2.4	261	32	4.3	0
15/09/2022 19:20	2.3	268	32	4.1	0
15/09/2022 19:30	1.9	261	41	4.4	0
15/09/2022 19:40	1.4	248	59	2.7	0
15/09/2022 19:50	2.2	258	40	4	0
15/09/2022 20:00	1.7	227	42	3.3	0
15/09/2022 20:10	1.6	227	60	3.2	0
15/09/2022 20:20	1.8	266	42	3.8	0
15/09/2022 20:30	1.7	242	56	3.4	0
15/09/2022 20:40	1.5	246	56	2.5	0
15/09/2022 20:50	1.7	233	49	4.1	0
15/09/2022 21:00	2	206	39	3.7	0
15/09/2022 21:10	2.2	212	29	4.6	0
15/09/2022 21:20	2	212	32	3.4	0
15/09/2022 21:30	1.9	221	35	2.8	0
15/09/2022 21:40	1.7	225	44	3	0
15/09/2022 21:50	1.7	252	52	3.4	0
15/09/2022 22:00	1.4	233	52	3.6	0
15/09/2022 22:10	1.4	229	60	2.8	0
15/09/2022 22:20	1.6	210	43	3.6	0
15/09/2022 22:30	1.7	216	40	2.9	0
15/09/2022 22:40	1.3	250	49	2.7	0
15/09/2022 22:50	1.4	254	53	2.4	0
15/09/2022 23:00	1.1	233	46	2.3	0
15/09/2022 23:10	1	260	66	2	0
15/09/2022 23:20	0.9	213	82	1.8	0
15/09/2022 23:30	0.9	218	85	1.6	0
15/09/2022 23:40	0.9	291	69	1.9	0
15/09/2022 23:50	1.2	263	47	2.6	0
16/09/2022 00:00	1.1	119	61	2.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/09/2022 00:10	1.5	252	65	3.3	0
16/09/2022 00:20	1.4	247	75	3.2	0
16/09/2022 00:30	1.5	245	65	2.9	0
16/09/2022 00:40	1	182	40	1.8	0
16/09/2022 00:50	1	317	70	1.9	0
16/09/2022 01:00	1	139	68	2	0
16/09/2022 01:10	1.3	221	65	3	0
16/09/2022 01:20	1.5	260	55	3.6	0
16/09/2022 01:30	1.4	224	58	2.9	0
16/09/2022 01:40	2.2	211	39	4.5	0
16/09/2022 01:50	2.8	194	23	4.7	0
16/09/2022 02:00	3.1	194	18	4.8	0
16/09/2022 02:10	2.8	196	18	4.1	0
16/09/2022 02:20	2.9	196	14	4.9	0
16/09/2022 02:30	2.8	192	19	4.4	0
16/09/2022 02:40	2.9	169	14	4	0
16/09/2022 02:50	1.5	268	34	2.2	0
16/09/2022 03:00	1	338	28	1.5	0
16/09/2022 03:10	0.9	76	38	1.5	0
16/09/2022 03:20	0.2	86	13	0.9	0
16/09/2022 03:30	0.4	174	4	1	0
16/09/2022 03:40	0.1	336	2	0.8	0
16/09/2022 03:50					0
16/09/2022 04:00	0.3	176	14	0.8	0
16/09/2022 04:10	0.4	197	33	0.8	0
16/09/2022 04:20	0.6	196	28	1	0
16/09/2022 04:30	0.4	31	45	1.1	0
16/09/2022 04:40	0.8	94	22	2	0
16/09/2022 04:50	1.2	56	20	2	0
16/09/2022 05:00	1.5	87	23	2.3	0
16/09/2022 05:10	1.1	85	12	1.6	0
16/09/2022 05:20	2	105	14	3.1	0
16/09/2022 05:30	1.6	84	26	2.8	0
16/09/2022 05:40	1.7	92	16	2.4	0
16/09/2022 05:50	1.6	92	17	2.3	0
16/09/2022 06:00	1.8	108	11	2.5	0
16/09/2022 06:10	2.2	118	12	2.9	0
16/09/2022 06:20	1.9	116	11	2.8	0
16/09/2022 06:30	1.9	118	12	2.6	0
16/09/2022 06:40	1.9	128	16	2.7	0
16/09/2022 06:50	1.7	132	13	2.4	0
16/09/2022 07:00	2.9	128	18	4.6	0
16/09/2022 07:10	3	133	23	4.8	0
16/09/2022 07:20	2.2	126	25	4.3	0
16/09/2022 07:30	1.9	130	33	3	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/09/2022 07:40	2.3	132	35	4.3	0
16/09/2022 07:50	2.2	132	31	3.7	0
16/09/2022 08:00	2.5	119	33	5.2	0
16/09/2022 08:10	2.8	142	32	5.2	0
16/09/2022 08:20	2.8	128	40	4.8	0
16/09/2022 08:30	2.6	114	30	6.8	0
16/09/2022 08:40	2.6	105	31	5.6	0
16/09/2022 08:50	2.5	105	34	4.7	0
16/09/2022 09:00	2.9	112	32	4.8	0
16/09/2022 09:10	2.6	109	27	4.1	0
16/09/2022 09:20	3	94	25	4.8	0
16/09/2022 09:30	3.3	101	23	5.5	0
16/09/2022 09:40	3.4	99	28	6.1	0
16/09/2022 09:50	3.6	97	26	7.1	0
16/09/2022 10:00	4	83	17	6	0
16/09/2022 10:10	4.5	79	13	6.4	0
16/09/2022 10:20	5	81	12	6.7	0
16/09/2022 10:30	4.2	85	15	6	0
16/09/2022 10:40	3.6	73	13	4.9	0
16/09/2022 10:50	3.8	69	15	5.2	0
16/09/2022 11:00	4.8	60	8	6	0
16/09/2022 11:10	4.2	56	13	6.4	0
16/09/2022 11:20	5	57	11	6.4	0
16/09/2022 11:30	4	57	14	5.2	0
16/09/2022 11:40	4.2	59	14	5.6	0
16/09/2022 11:50	4.1	58	11	5.4	0
16/09/2022 12:00	4	48	12	5.2	0
16/09/2022 12:10	3.6	45	14	5.3	0
16/09/2022 12:20	4.1	43	11	5.7	0
16/09/2022 12:30	4.1	42	12	5.5	0
16/09/2022 12:40	4	37	13	5.6	0
16/09/2022 12:50	4.1	40	15	5.3	0
16/09/2022 13:00	4.2	41	15	5.6	0
16/09/2022 13:10	4.8	31	15	6.5	0
16/09/2022 13:20	5	32	11	6.8	0
16/09/2022 13:30	4.7	35	13	6.4	0
16/09/2022 13:40	4.6	36	13	6.4	0
16/09/2022 13:50	4.9	36	13	6.6	0
16/09/2022 14:00	4.6	40	12	6.2	0
16/09/2022 14:10	4.5	39	13	6.2	0
16/09/2022 14:20	4.9	45	10	6.4	0
16/09/2022 14:30	4.3	42	14	5.8	0
16/09/2022 14:40	4.3	44	12	6.3	0
16/09/2022 14:50	4.5	48	13	6	0
16/09/2022 15:00	4.2	44	11	5.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/09/2022 15:10	4.2	44	11	5.5	0
16/09/2022 15:20	4	48	12	5.2	0
16/09/2022 15:30	4	48	11	5.6	0
16/09/2022 15:40	3.8	49	11	5.2	0
16/09/2022 15:50	4	46	11	5.2	0
16/09/2022 16:00	3.7	49	12	4.9	0
16/09/2022 16:10	3.6	51	11	4.8	0
16/09/2022 16:20	3.3	49	11	4.6	0
16/09/2022 16:30	3.3	192	20	5	0
16/09/2022 16:40	3.9	170	14	5.5	0
16/09/2022 16:50	3.6	340	13	5.2	0
16/09/2022 17:00	4.2	345	15	5.5	0
16/09/2022 17:10	3.9	350	12	5	0
16/09/2022 17:20	3.5	347	13	4.9	0
16/09/2022 17:30	3.3	341	15	4.8	0
16/09/2022 17:40	2.9	346	15	4.4	0
16/09/2022 17:50	2.6	327	13	3.9	0
16/09/2022 18:00	2.2	325	15	3.3	0
16/09/2022 18:10	2.1	324	15	3.1	0
16/09/2022 18:20	1.8	334	18	3.1	0
16/09/2022 18:30	1.9	301	20	3.5	0
16/09/2022 18:40	2.8	261	16	3.9	0
16/09/2022 18:50	2.7	271	16	4	0
16/09/2022 19:00	2.2	253	25	3.6	0
16/09/2022 19:10	2	255	28	3.4	0
16/09/2022 19:20	2.1	261	25	3.6	0
16/09/2022 19:30	1.8	259	28	3	0
16/09/2022 19:40	1.7	226	28	2.7	0
16/09/2022 19:50	1.5	252	28	3.1	0
16/09/2022 20:00	2.1	254	26	3.2	0
16/09/2022 20:10	1.8	263	23	2.9	0
16/09/2022 20:20	1.5	235	30	2.7	0
16/09/2022 20:30	1.9	241	31	3	0
16/09/2022 20:40	1.1	214	46	2.1	0
16/09/2022 20:50	1.3	217	38	2.1	0
16/09/2022 21:00	1.2	216	31	1.9	0
16/09/2022 21:10	1	219	29	1.5	0
16/09/2022 21:20	0.8	225	60	1.5	0
16/09/2022 21:30	1.2	189	17	1.9	0
16/09/2022 21:40	1.2	220	46	2	0
16/09/2022 21:50	0.8	157	62	1.5	0
16/09/2022 22:00	1.8	206	29	3.6	0
16/09/2022 22:10	2.2	199	25	3.5	0
16/09/2022 22:20	1.8	221	30	3	0
16/09/2022 22:30	2.1	214	32	4.3	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/09/2022 22:40	1.9	210	42	3.6	0
16/09/2022 22:50	2.6	202	29	4.7	0
16/09/2022 23:00	3.3	201	19	5.1	0
16/09/2022 23:10	3.2	208	20	5.5	0
16/09/2022 23:20	3.1	202	22	4.7	0
16/09/2022 23:30	3.1	204	20	4.5	0
16/09/2022 23:40	3.2	201	19	4.9	0
16/09/2022 23:50	3.6	205	13	5.3	0
17/09/2022 00:00	3.6	199	18	5.1	0
17/09/2022 00:10	4.3	201	13	5.9	0
17/09/2022 00:20	4	203	14	5.5	0
17/09/2022 00:30	4.2	206	15	6.1	0
17/09/2022 00:40	3.1	210	20	5.2	0
17/09/2022 00:50	2.6	224	31	4.8	0
17/09/2022 01:00	2.4	226	31	4.1	0
17/09/2022 01:10	2.2	214	36	4.1	0
17/09/2022 01:20	3.4	185	17	5.3	0
17/09/2022 01:30	2.6	196	22	4.4	0
17/09/2022 01:40	1.6	277	40	3	0
17/09/2022 01:50	1.4	243	34	2.4	0
17/09/2022 02:00	3.1	195	26	5.2	0
17/09/2022 02:10	2.3	254	67	3.7	0
17/09/2022 02:20	3.5	195	30	6.4	0
17/09/2022 02:30	2.3	189	56	3.9	0
17/09/2022 02:40	2.2	223	55	3.9	0
17/09/2022 02:50	2.2	221	64	4.4	0
17/09/2022 03:00	2.9	185	17	4.5	0
17/09/2022 03:10	2.9	191	20	4.8	0
17/09/2022 03:20	1.8	167	32	4	0
17/09/2022 03:30	1.9	175	33	3.5	0
17/09/2022 03:40	2.1	172	21	3.7	0
17/09/2022 03:50	2.9	170	18	4.7	0
17/09/2022 04:00	2.7	171	17	4.3	0
17/09/2022 04:10	2.4	174	17	3.9	0
17/09/2022 04:20	1.6	168	24	2.6	0
17/09/2022 04:30	1.4	147	28	2.4	0
17/09/2022 04:40	1.3	159	25	2	0
17/09/2022 04:50	1.3	173	71	2.4	0
17/09/2022 05:00	1.2	113	31	1.9	0
17/09/2022 05:10	0.9	186	17	1.3	0
17/09/2022 05:20	0.8	315	65	1.4	0
17/09/2022 05:30	0.6	185	58	1	0
17/09/2022 05:40	0.7	170	61	1.2	0
17/09/2022 05:50	0.9	336	13	1.4	0
17/09/2022 06:00	0.5	172	38	1.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/09/2022 06:10	0.4	44	26	1	0
17/09/2022 06:20	0.7	319	38	1.2	0
17/09/2022 06:30	0.7	175	20	1.1	0
17/09/2022 06:40	1	189	41	2	0
17/09/2022 06:50	1.3	82	26	3	0
17/09/2022 07:00	1.8	106	31	4	0
17/09/2022 07:10	1.6	125	25	3.2	0
17/09/2022 07:20	1.8	108	28	3	0
17/09/2022 07:30	1.9	105	33	3.1	0
17/09/2022 07:40	2.4	122	27	4.2	0
17/09/2022 07:50	3.2	117	22	5.2	0
17/09/2022 08:00	2.6	114	21	4.3	0
17/09/2022 08:10	3.1	125	20	5.4	0
17/09/2022 08:20	2.8	110	23	4.4	0
17/09/2022 08:30	3.2	115	24	5.2	0
17/09/2022 08:40	3.1	115	18	4.6	0
17/09/2022 08:50	2.8	116	22	4.7	0
17/09/2022 09:00	2.9	117	17	4.3	0
17/09/2022 09:10	2.8	114	21	4.3	0
17/09/2022 09:20	3.5	85	17	5.3	0
17/09/2022 09:30	4	81	13	5.6	0
17/09/2022 09:40	4.3	86	14	6.4	0
17/09/2022 09:50	4.6	85	14	6.9	0
17/09/2022 10:00	4.1	83	14	5.6	0
17/09/2022 10:10	3.9	75	14	5.5	0
17/09/2022 10:20	4.4	76	14	6.2	0
17/09/2022 10:30	4.4	75	12	6.3	0
17/09/2022 10:40	4.1	74	12	5.8	0
17/09/2022 10:50	4.1	58	14	5.5	0
17/09/2022 11:00	4.1	58	13	5.5	0
17/09/2022 11:10	4.1	55	12	5.6	0
17/09/2022 11:20	4.3	57	11	5.8	0
17/09/2022 11:30	4.4	55	10	5.8	0
17/09/2022 11:40	4.5	57	9	5.7	0
17/09/2022 11:50	4.2	59	11	5.3	0
17/09/2022 12:00	4.4	58	9	5.4	0
17/09/2022 12:10	4.5	57	8	5.5	0
17/09/2022 12:20	4.1	58	10	5.2	0
17/09/2022 12:30	3.4	60	13	4.5	0
17/09/2022 12:40	3.6	54	12	4.8	0
17/09/2022 12:50	3.5	54	15	4.5	0
17/09/2022 13:00	3.6	45	12	4.8	0
17/09/2022 13:10	3.1	45	15	4.4	0
17/09/2022 13:20	3.4	50	14	4.6	0
17/09/2022 13:30	3.4	53	12	4.5	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/09/2022 13:40	3.3	50	12	4.5	0
17/09/2022 13:50	3.2	46	11	4	0
17/09/2022 14:00	3.1	50	14	4.2	0
17/09/2022 14:10	3.4	51	13	4.7	0
17/09/2022 14:20	3.1	52	15	4.5	0
17/09/2022 14:30	4	45	9	5.5	0
17/09/2022 14:40	4.1	50	10	5.4	0
17/09/2022 14:50	3.5	47	13	4.6	0
17/09/2022 15:00	3.7	46	14	5	0
17/09/2022 15:10	3.5	38	17	4.7	0
17/09/2022 15:20	3.7	44	13	5	0
17/09/2022 15:30	3.8	46	12	5.3	0
17/09/2022 15:40	3.6	39	15	5.2	0
17/09/2022 15:50	3.6	35	16	5.2	0
17/09/2022 16:00	3.3	48	14	4.5	0
17/09/2022 16:10	3.3	42	14	4.6	0
17/09/2022 16:20	4	176	16	5.6	0
17/09/2022 16:30	5	342	15	6.4	0
17/09/2022 16:40	4.6	342	12	5.6	0
17/09/2022 16:50	4.5	351	11	6.3	0
17/09/2022 17:00	3.6	338	14	5.2	0
17/09/2022 17:10	3.5	338	16	4.8	0
17/09/2022 17:20	3.2	331	16	4.8	0
17/09/2022 17:30	3.6	338	12	5.2	0
17/09/2022 17:40	3.9	337	14	5.6	0
17/09/2022 17:50	3.6	339	15	5.2	0
17/09/2022 18:00	3	331	16	4.7	0
17/09/2022 18:10	1.5	293	54	2.8	0
17/09/2022 18:20	1.9	294	44	2.9	0
17/09/2022 18:30	1.2	270	35	2.4	0
17/09/2022 18:40	1.9	248	27	3.3	0
17/09/2022 18:50	2.1	261	20	3	0
17/09/2022 19:00	2.4	283	21	3.6	0
17/09/2022 19:10	2.8	272	18	4	0
17/09/2022 19:20	2.5	274	18	3.6	0
17/09/2022 19:30	2.7	270	20	4	0
17/09/2022 19:40	2.9	269	16	4.4	0
17/09/2022 19:50	2.7	271	17	4.2	0
17/09/2022 20:00	2.7	277	18	4	0
17/09/2022 20:10	2.1	277	19	3.4	0
17/09/2022 20:20	2.3	261	19	4	0
17/09/2022 20:30	2.3	263	20	3.5	0
17/09/2022 20:40	2.3	263	19	3.2	0
17/09/2022 20:50	2.5	258	21	3.9	0
17/09/2022 21:00	2.6	258	18	4.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/09/2022 21:10	2.7	252	19	4	0
17/09/2022 21:20	2.6	250	20	3.8	0
17/09/2022 21:30	2.4	254	22	4.1	0
17/09/2022 21:40	2.3	253	24	3.4	0
17/09/2022 21:50	2.4	256	24	4	0
17/09/2022 22:00	2.1	252	27	3.6	0
17/09/2022 22:10	1.9	252	24	3.1	0
17/09/2022 22:20	2	213	22	3.1	0
17/09/2022 22:30	2.1	213	17	3.1	0
17/09/2022 22:40	1.6	204	19	2.4	0
17/09/2022 22:50	1.6	205	14	2.2	0
17/09/2022 23:00	1.3	200	20	2	0
17/09/2022 23:10	0.5	212	39	1.2	0
17/09/2022 23:20	1.2	214	40	1.9	0
17/09/2022 23:30	0.9	231	31	1.5	0
17/09/2022 23:40	0.3	267	23	1	0
17/09/2022 23:50	0.4	253	20	1.2	0
18/09/2022 00:00	0.8	292	11	1.5	0
18/09/2022 00:10	0.8	306	19	1.3	0
18/09/2022 00:20	1	218	54	1.7	0
18/09/2022 00:30	1.9	200	25	2.9	0
18/09/2022 00:40	1.9	214	33	3.2	0
18/09/2022 00:50	1.6	225	36	2.8	0
18/09/2022 01:00	2.3	205	24	3.8	0
18/09/2022 01:10	2.9	201	13	3.9	0
18/09/2022 01:20	2.8	207	12	3.6	0
18/09/2022 01:30	2.6	212	15	3.8	0
18/09/2022 01:40	2.6	211	14	3.9	0
18/09/2022 01:50	2.5	214	17	3.6	0
18/09/2022 02:00	2.3	209	15	3.5	0
18/09/2022 02:10	2.5	207	15	3.7	0
18/09/2022 02:20	2.2	212	12	3.2	0
18/09/2022 02:30	1.5	219	39	2.6	0
18/09/2022 02:40	1.9	210	29	3.1	0
18/09/2022 02:50	2.2	211	27	3.4	0
18/09/2022 03:00	2	216	29	3	0
18/09/2022 03:10	2	237	30	3.6	0
18/09/2022 03:20	1.2	233	63	2.5	0
18/09/2022 03:30	1.6	235	59	3	0
18/09/2022 03:40	2.8	206	21	4.4	0
18/09/2022 03:50	3.6	204	9	4.7	0
18/09/2022 04:00	3.8	206	10	5.1	0
18/09/2022 04:10	3.6	205	13	4.8	0
18/09/2022 04:20	3.3	201	14	4.4	0
18/09/2022 04:30	3.1	198	15	4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/09/2022 04:40	1.5	173	69	3.3	0
18/09/2022 04:50	2	229	53	3.4	0
18/09/2022 05:00	3.4	199	14	4.8	0
18/09/2022 05:10	3.3	196	12	4.4	0
18/09/2022 05:20	3.1	203	15	4.4	0
18/09/2022 05:30	3.4	197	15	4.5	0
18/09/2022 05:40	3.7	198	12	5.4	0
18/09/2022 05:50	3.7	199	15	5.7	0
18/09/2022 06:00	3.5	199	14	4.8	0
18/09/2022 06:10	3.7	199	14	5.6	0
18/09/2022 06:20	3.9	198	15	6.7	0
18/09/2022 06:30	3.5	200	17	5.6	0
18/09/2022 06:40	4	203	12	5.7	0
18/09/2022 06:50	3.4	196	14	4.9	0
18/09/2022 07:00	3.5	197	14	4.6	0
18/09/2022 07:10	3.5	194	13	5.2	0
18/09/2022 07:20	3.4	197	13	4.8	0
18/09/2022 07:30	2.9	196	14	4.1	0
18/09/2022 07:40	3	198	14	4.4	0
18/09/2022 07:50	3.8	197	13	5.3	0
18/09/2022 08:00	3.8	195	14	5.6	0
18/09/2022 08:10	3.9	203	14	5.3	0
18/09/2022 08:20	3.8	202	15	5.6	0
18/09/2022 08:30	4	195	15	5.6	0
18/09/2022 08:40	3.8	193	14	5.6	0
18/09/2022 08:50	3.8	199	13	6.1	0
18/09/2022 09:00	3.9	198	16	5.6	0
18/09/2022 09:10	3.8	205	14	5.2	0
18/09/2022 09:20	3.2	203	24	5.2	0
18/09/2022 09:30	3.5	202	15	5.3	0
18/09/2022 09:40	3.8	197	15	5.4	0
18/09/2022 09:50	4.1	200	14	5.4	0
18/09/2022 10:00	3.2	203	18	4.8	0
18/09/2022 10:10	3.3	197	16	5.2	0
18/09/2022 10:20	2.5	217	31	4.2	0
18/09/2022 10:30	3.3	208	21	5.4	0
18/09/2022 10:40	2.6	234	32	4.3	0
18/09/2022 10:50	2.5	275	30	4.3	0
18/09/2022 11:00	2.9	292	25	4.4	0
18/09/2022 11:10	3.2	286	32	4.8	0
18/09/2022 11:20	3	298	23	4.8	0
18/09/2022 11:30	3	289	29	4.4	0
18/09/2022 11:40	3.5	287	24	5.2	0
18/09/2022 11:50	3.1	271	28	4.6	0
18/09/2022 12:00	3.2	272	19	5.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/09/2022 12:10	3.3	276	25	5.2	0
18/09/2022 12:20	3.7	271	23	5.4	0
18/09/2022 12:30	3.6	263	22	5.3	0
18/09/2022 12:40	3.9	272	20	5.9	0
18/09/2022 12:50	3.7	275	27	6	0
18/09/2022 13:00	3.9	274	22	6.1	0
18/09/2022 13:10	3.6	276	25	6.2	0
18/09/2022 13:20	3.6	275	25	5.8	0
18/09/2022 13:30	3.3	278	26	5.7	0
18/09/2022 13:40	3.2	275	23	5.4	0
18/09/2022 13:50	3.5	276	25	5.2	0
18/09/2022 14:00	3.9	279	23	5.8	0
18/09/2022 14:10	3.6	275	25	5.2	0
18/09/2022 14:20	3.3	273	24	5.1	0
18/09/2022 14:30	3.5	265	20	5.2	0
18/09/2022 14:40	3.4	271	23	4.8	0
18/09/2022 14:50	3.7	267	21	5.9	0
18/09/2022 15:00	4.1	275	22	5.9	0
18/09/2022 15:10	4	278	20	5.9	0
18/09/2022 15:20	3.1	275	26	5.3	0
18/09/2022 15:30	3.3	271	22	6.1	0
18/09/2022 15:40	2.9	283	23	4.7	0
18/09/2022 15:50	3	279	27	4.7	0
18/09/2022 16:00	2.6	281	28	5	0
18/09/2022 16:10	2.8	275	24	4.2	0
18/09/2022 16:20	3	277	22	4.7	0
18/09/2022 16:30	3.4	277	22	5.2	0
18/09/2022 16:40	3.6	277	20	5.5	0
18/09/2022 16:50	3.2	280	22	5.4	0
18/09/2022 17:00	3.3	275	24	5.5	0
18/09/2022 17:10	3.3	273	25	5.9	0
18/09/2022 17:20	3.4	277	23	4.8	0
18/09/2022 17:30	3.2	277	24	5.2	0
18/09/2022 17:40	2.9	279	23	4.8	0
18/09/2022 17:50	2.8	272	20	4.4	0
18/09/2022 18:00	3.1	275	21	4.8	0
18/09/2022 18:10	2.5	275	23	4.4	0
18/09/2022 18:20	2.6	282	21	4	0
18/09/2022 18:30	2.6	276	21	4.5	0
18/09/2022 18:40	2.4	278	25	4	0
18/09/2022 18:50	2.2	280	25	3.7	0
18/09/2022 19:00	2.3	275	24	3.6	0
18/09/2022 19:10	2.6	274	29	4.4	0
18/09/2022 19:20	2.1	267	38	3.6	0
18/09/2022 19:30	2.2	279	23	3.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/09/2022 19:40	1.6	260	49	4	0
18/09/2022 19:50	1.6	230	53	2.9	0
18/09/2022 20:00	1.7	272	58	3.4	0
18/09/2022 20:10	2.5	273	27	4.1	0
18/09/2022 20:20	2.5	272	30	4.5	0
18/09/2022 20:30	2.3	278	30	4.4	0
18/09/2022 20:40	2.3	277	32	3.9	0
18/09/2022 20:50	2	282	27	3.4	0
18/09/2022 21:00	2.1	281	26	3.2	0
18/09/2022 21:10	2.2	278	22	4.4	0
18/09/2022 21:20	1.8	273	38	3.1	0
18/09/2022 21:30	1.9	263	41	3.9	0
18/09/2022 21:40	2.1	274	29	4.1	0
18/09/2022 21:50	2.1	255	51	3.6	0
18/09/2022 22:00	1.7	270	43	3.2	0
18/09/2022 22:10	2.2	277	32	3.6	0
18/09/2022 22:20	1.7	279	26	2.6	0
18/09/2022 22:30	1.6	262	55	3.5	0
18/09/2022 22:40	1.7	284	38	3.1	0
18/09/2022 22:50	1.6	278	51	2.5	0
18/09/2022 23:00	1.4	279	44	2.7	0
18/09/2022 23:10	1.2	238	77	2.4	0
18/09/2022 23:20	1.3	241	68	3.1	0
18/09/2022 23:30	1.4	254	60	2.6	0
18/09/2022 23:40	1.6	258	53	3	0
18/09/2022 23:50	1.4	232	79	2.8	0
19/09/2022 00:00	1.9	264	45	3.8	0
19/09/2022 00:10	1.6	263	65	3.2	0
19/09/2022 00:20	2	239	61	4	0
19/09/2022 00:30	1.5	260	76	3.6	0
19/09/2022 00:40	2	243	52	4.3	0
19/09/2022 00:50	2.2	266	50	4.4	0
19/09/2022 01:00	1.9	251	51	4	0
19/09/2022 01:10	1.9	251	49	3.5	0
19/09/2022 01:20	1.8	250	64	3.6	0
19/09/2022 01:30	2	266	40	3.3	0
19/09/2022 01:40	1.5	250	59	3.2	0
19/09/2022 01:50	1.5	229	53	3.3	0
19/09/2022 02:00	1.5	253	66	3.7	0
19/09/2022 02:10	1.5	234	68	3.2	0
19/09/2022 02:20	1.5	199	62	2.8	0
19/09/2022 02:30	2	245	52	5.1	0
19/09/2022 02:40	1.8	252	61	4	0
19/09/2022 02:50	1.8	258	69	4.1	0
19/09/2022 03:00	1.7	239	56	3.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/09/2022 03:10	1.8	230	51	3.2	0
19/09/2022 03:20	1.6	247	66	3.8	0
19/09/2022 03:30	2	234	55	3.8	0
19/09/2022 03:40	1.5	259	56	3	0
19/09/2022 03:50	1.5	240	68	2.9	0
19/09/2022 04:00	1.6	222	57	3.4	0
19/09/2022 04:10	1.7	257	52	2.9	0
19/09/2022 04:20	1.7	269	41	3.3	0
19/09/2022 04:30	2	268	30	3.8	0
19/09/2022 04:40	1.3	249	70	2.8	0
19/09/2022 04:50	1.5	251	56	3.4	0
19/09/2022 05:00	1.3	204	80	2.9	0
19/09/2022 05:10	1.3	212	67	3.6	0
19/09/2022 05:20	1.7	254	49	3.6	0
19/09/2022 05:30	2.1	258	46	4.2	0
19/09/2022 05:40	2.4	241	44	5	0
19/09/2022 05:50	1.9	244	64	3.9	0
19/09/2022 06:00	2.2	240	50	5.4	0
19/09/2022 06:10	1.7	214	62	3.4	0
19/09/2022 06:20	2.1	237	57	4.4	0
19/09/2022 06:30	2.1	207	52	4.2	0
19/09/2022 06:40	2.4	217	44	4.6	0
19/09/2022 06:50	2.6	202	42	4.3	0
19/09/2022 07:00	2.8	218	36	5.1	0
19/09/2022 07:10	2.8	207	38	5.7	0
19/09/2022 07:20	2.7	217	40	4.4	0
19/09/2022 07:30	2.9	216	41	5.6	0
19/09/2022 07:40	3.6	205	30	6.9	0
19/09/2022 07:50	4.2	205	26	8.4	0
19/09/2022 08:00	4.8	204	20	8.2	0
19/09/2022 08:10	6	203	19	8.2	0
19/09/2022 08:20	4.9	205	19	8	0
19/09/2022 08:30	4.8	204	24	7.5	0
19/09/2022 08:40	4.9	201	23	7.8	0
19/09/2022 08:50	5	207	23	8.9	0
19/09/2022 09:00	4.5	198	19	7.2	0
19/09/2022 09:10	4.7	206	25	7.9	0
19/09/2022 09:20	4.5	208	26	7.3	0
19/09/2022 09:30	4.4	204	28	7.5	0
19/09/2022 09:40	3.9	210	33	7.2	0
19/09/2022 09:50	4	212	31	6.4	0
19/09/2022 10:00	3.9	213	30	6.3	0
19/09/2022 10:10	5.2	206	20	7.8	0
19/09/2022 10:20	4.2	201	26	6.9	0
19/09/2022 10:30	5	207	25	8.6	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/09/2022 10:40	4.1	219	30	6.9	0
19/09/2022 10:50	3.4	219	34	6	0
19/09/2022 11:00	4.3	212	29	6.7	0
19/09/2022 11:10	4.1	198	20	7	0
19/09/2022 11:20	3.4	218	38	6.2	0
19/09/2022 11:30	4.3	209	28	7.3	0
19/09/2022 11:40	4.7	212	25	9.1	0
19/09/2022 11:50	4.8	205	27	7.9	0
19/09/2022 12:00	4.7	211	32	7.6	0
19/09/2022 12:10	4.6	215	26	7.7	0
19/09/2022 12:20	4.8	210	27	7.6	0
19/09/2022 12:30	4.5	211	34	7.6	0
19/09/2022 12:40	4.4	213	28	7.8	0
19/09/2022 12:50	5.1	207	29	8.5	0
19/09/2022 13:00	4.9	204	24	8.1	0
19/09/2022 13:10	3.3	216	52	8.2	0
19/09/2022 13:20	4.5	219	29	7.7	0
19/09/2022 13:30	5.2	206	26	8.6	0
19/09/2022 13:40	5.4	202	22	9.5	0
19/09/2022 13:50	4.7	205	21	8.3	0
19/09/2022 14:00	4.3	213	31	7.5	0
19/09/2022 14:10	4.6	212	29	8.8	0
19/09/2022 14:20	4.9	204	24	7.9	0
19/09/2022 14:30	4.7	198	28	7.3	0
19/09/2022 14:40	4.5	207	25	7.3	0
19/09/2022 14:50	3.8	212	32	7.1	0
19/09/2022 15:00	4.9	205	25	8.2	0
19/09/2022 15:10	4.8	210	23	7.9	0
19/09/2022 15:20	4.3	197	24	8.4	0
19/09/2022 15:30	3.1	234	45	5.6	0
19/09/2022 15:40	3.8	248	44	7.2	0
19/09/2022 15:50	3.8	262	37	7.3	0
19/09/2022 16:00	3.1	262	42	6.8	0
19/09/2022 16:10	3.4	257	41	5.8	0
19/09/2022 16:20	3.3	238	53	6.5	0
19/09/2022 16:30	3.7	262	42	7.3	0
19/09/2022 16:40	3	239	51	5.7	0
19/09/2022 16:50	3.3	236	40	5.7	0
19/09/2022 17:00	3	250	50	5.2	0
19/09/2022 17:10	3.5	246	37	6.9	0
19/09/2022 17:20	2.9	262	45	6	0
19/09/2022 17:30	3.4	274	32	6.3	0
19/09/2022 17:40	3.1	273	34	6	0
19/09/2022 17:50	3.2	265	33	5.6	0
19/09/2022 18:00	2.5	240	54	4.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/09/2022 18:10	2.2	247	55	5.1	0
19/09/2022 18:20	2.4	248	44	5.1	0
19/09/2022 18:30	2.9	265	31	5.7	0
19/09/2022 18:40	2.3	271	33	3.9	0
19/09/2022 18:50	2.6	271	32	4.9	0
19/09/2022 19:00	2.1	225	51	4	0
19/09/2022 19:10	2.1	233	50	4.1	0
19/09/2022 19:20	2.1	222	49	4.8	0
19/09/2022 19:30	1.5	215	56	2.7	0
19/09/2022 19:40	1.7	256	49	3.7	0
19/09/2022 19:50	1.7	266	43	3.2	0
19/09/2022 20:00	1.5	272	58	3.7	0
19/09/2022 20:10	1	283	60	2.1	0
19/09/2022 20:20	1.1	141	80	2.1	0
19/09/2022 20:30	2.2	235	39	4.3	0
19/09/2022 20:40	1.7	234	57	3.8	0
19/09/2022 20:50	2	231	48	4.3	0
19/09/2022 21:00	2.5	222	34	4.8	0
19/09/2022 21:10	2.7	214	36	4.6	0
19/09/2022 21:20	2.5	223	35	4.4	0
19/09/2022 21:30	2.4	216	31	4	0
19/09/2022 21:40	2.4	226	40	4.5	0
19/09/2022 21:50	2.1	222	35	3.9	0
19/09/2022 22:00	2.7	220	29	4.7	0
19/09/2022 22:10	2.4	225	24	3.8	0
19/09/2022 22:20	2.2	225	29	4.1	0
19/09/2022 22:30	2	224	34	3.2	0
19/09/2022 22:40	2.2	225	37	4.4	0
19/09/2022 22:50	2.1	223	39	4	0
19/09/2022 23:00	2.6	224	29	4.3	0
19/09/2022 23:10	2.6	225	33	4.4	0
19/09/2022 23:20	2.5	212	32	4.6	0
19/09/2022 23:30	2.5	216	35	4.5	0
19/09/2022 23:40	2	218	43	3.8	0
19/09/2022 23:50	3	212	27	5.2	0
20/09/2022 00:00	2.8	204	28	5.3	0
20/09/2022 00:10	3.4	205	25	5.6	0
20/09/2022 00:20	3.4	204	24	5.4	0
20/09/2022 00:30	4.6	211	16	7	0
20/09/2022 00:40	5.4	207	17	7.9	0
20/09/2022 00:50	5.7	203	14	7.9	0
20/09/2022 01:00	5.4	205	14	7.9	0
20/09/2022 01:10	5	205	14	7.9	0
20/09/2022 01:20	5.2	203	15	7.4	0
20/09/2022 01:30	4.6	207	16	6.5	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/09/2022 01:40	4.5	206	16	6.6	0
20/09/2022 01:50	5.1	205	14	7.2	0
20/09/2022 02:00	5	207	17	7.4	0
20/09/2022 02:10	4.7	209	17	7.4	0
20/09/2022 02:20	5.1	207	15	7.6	0
20/09/2022 02:30	5.3	207	15	7.7	0
20/09/2022 02:40	5.7	204	14	8.1	0
20/09/2022 02:50	5.9	206	13	9.1	0
20/09/2022 03:00	5.6	207	14	8.2	0
20/09/2022 03:10	4.8	208	16	7.2	0
20/09/2022 03:20	4.9	202	13	7.5	0
20/09/2022 03:30	4.9	200	14	7.2	0
20/09/2022 03:40	4.6	202	14	6.3	0
20/09/2022 03:50	4.4	204	13	6.3	0
20/09/2022 04:00	4.8	207	14	6.7	0
20/09/2022 04:10	4.5	210	14	6.4	0
20/09/2022 04:20	4.3	205	12	6.5	0
20/09/2022 04:30	4.5	199	13	6.1	0
20/09/2022 04:40	4.4	201	14	5.8	0
20/09/2022 04:50	4.6	203	12	6.5	0
20/09/2022 05:00	4.5	205	12	6.6	0
20/09/2022 05:10	3.8	208	14	5.3	0
20/09/2022 05:20	3.5	203	18	5.6	0
20/09/2022 05:30	2.8	207	21	4.3	0
20/09/2022 05:40	2.6	209	22	4.5	0
20/09/2022 05:50	3.1	212	17	4.6	0
20/09/2022 06:00	3	207	15	4.8	0
20/09/2022 06:10	2.7	199	18	4.2	0
20/09/2022 06:20	2.6	209	20	4.1	0
20/09/2022 06:30	1.2	177	63	3	0
20/09/2022 06:40	1.5	191	48	2.6	0
20/09/2022 06:50	1	107	73	2.6	0
20/09/2022 07:00	1.5	154	53	2.6	0
20/09/2022 07:10	1.5	169	56	3.3	0
20/09/2022 07:20	1	102	70	2.2	0
20/09/2022 07:30	1.3	84	65	2.7	0
20/09/2022 07:40	2.5	140	35	4.7	0
20/09/2022 07:50	2.1	131	36	3.9	0
20/09/2022 08:00	2.5	127	30	4.4	0
20/09/2022 08:10	3.1	130	31	5.6	0
20/09/2022 08:20	3.2	120	19	4.9	0
20/09/2022 08:30	3.6	128	22	6	0
20/09/2022 08:40	4	137	23	6.1	0
20/09/2022 08:50	4	124	22	6.7	0
20/09/2022 09:00	4.2	126	27	7.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/09/2022 09:10	4.2	131	27	7.6	0
20/09/2022 09:20	4.3	135	24	8.7	0
20/09/2022 09:30	3.7	117	34	6.2	0
20/09/2022 09:40	4.1	119	28	7.2	0
20/09/2022 09:50	3.8	108	27	6.8	0
20/09/2022 10:00	3.6	112	29	5.7	0
20/09/2022 10:10	3.3	102	25	5.7	0
20/09/2022 10:20	3.5	109	23	5.7	0
20/09/2022 10:30	3	97	21	4.9	0
20/09/2022 10:40	2.8	101	21	4.5	0
20/09/2022 10:50	2.9	103	22	4.4	0
20/09/2022 11:00	2.8	95	20	4.4	0
20/09/2022 11:10	2.7	106	27	4.4	0
20/09/2022 11:20	3	79	17	4.4	0
20/09/2022 11:30	2.9	76	15	4.4	0
20/09/2022 11:40	2.4	74	24	3.9	0
20/09/2022 11:50	3	64	20	3.9	0
20/09/2022 12:00	4	39	14	5.6	0
20/09/2022 12:10	4.3	41	13	5.7	0
20/09/2022 12:20	4.1	41	12	5.4	0
20/09/2022 12:30	3.8	48	14	5.2	0
20/09/2022 12:40	3.6	47	15	4.8	0
20/09/2022 12:50	3.8	50	12	5.2	0
20/09/2022 13:00	4.2	41	12	5.4	0
20/09/2022 13:10	3.8	46	15	5.2	0
20/09/2022 13:20	3.8	45	15	4.9	0
20/09/2022 13:30	3.8	44	14	4.8	0
20/09/2022 13:40	3.6	48	15	4.6	0
20/09/2022 13:50	3.6	45	13	4.8	0
20/09/2022 14:00	3.8	45	12	5	0
20/09/2022 14:10	3.8	49	13	5.2	0
20/09/2022 14:20	4.1	45	13	5.3	0
20/09/2022 14:30	4.1	45	12	5.9	0
20/09/2022 14:40	3.6	43	15	5.2	0
20/09/2022 14:50	3.8	45	14	4.9	0
20/09/2022 15:00	3.5	45	12	4.6	0
20/09/2022 15:10	3.7	46	12	5	0
20/09/2022 15:20	3.8	45	12	5	0
20/09/2022 15:30	3.5	50	13	4.7	0
20/09/2022 15:40	3.2	44	13	4.7	0
20/09/2022 15:50	3.1	43	15	4.4	0
20/09/2022 16:00	2.9	19	22	4.5	0
20/09/2022 16:10	3.1	171	23	4.3	0
20/09/2022 16:20	2.6	328	18	3.9	0
20/09/2022 16:30	2.4	338	17	3.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/09/2022 16:40	2.3	333	18	3.5	0
20/09/2022 16:50	2.6	307	23	4.5	0
20/09/2022 17:00	2.9	277	22	4.6	0
20/09/2022 17:10	2.4	291	23	3.8	0
20/09/2022 17:20	2.5	277	24	3.7	0
20/09/2022 17:30	2.7	281	22	4.4	0
20/09/2022 17:40	2.5	295	21	4	0
20/09/2022 17:50	2.4	288	23	3.8	0
20/09/2022 18:00	2.7	297	20	3.7	0
20/09/2022 18:10	2.4	295	24	3.6	0
20/09/2022 18:20	2.2	277	23	3.7	0
20/09/2022 18:30	2.6	282	18	3.6	0
20/09/2022 18:40	2.5	285	21	4.1	0
20/09/2022 18:50	2.3	283	22	4.2	0
20/09/2022 19:00	2.3	281	20	3.8	0
20/09/2022 19:10	2.3	273	18	3.5	0
20/09/2022 19:20	2.6	270	19	4.1	0
20/09/2022 19:30	2.4	268	22	3.9	0
20/09/2022 19:40	2.2	275	20	3.3	0
20/09/2022 19:50	2.3	265	22	3.4	0
20/09/2022 20:00	2.4	268	21	3.6	0
20/09/2022 20:10	2.4	269	19	3.3	0
20/09/2022 20:20	2.2	270	23	3.2	0
20/09/2022 20:30	2.1	276	20	3.2	0
20/09/2022 20:40	1.7	267	48	3	0
20/09/2022 20:50	1.6	262	40	2.3	0
20/09/2022 21:00	1.4	255	40	2.4	0
20/09/2022 21:10	1.5	254	38	2.4	0
20/09/2022 21:20	1.1	233	64	1.9	0
20/09/2022 21:30	1.3	238	47	2.3	0
20/09/2022 21:40	1.3	241	48	2.2	0
20/09/2022 21:50	0.9	210	58	2.2	0
20/09/2022 22:00	0.8	200	41	1.5	0
20/09/2022 22:10	1.3	192	35	2	0
20/09/2022 22:20	1.1	208	41	1.7	0
20/09/2022 22:30	1	220	54	2.3	0
20/09/2022 22:40	1.2	197	34	2	0
20/09/2022 22:50	1.3	212	39	2.7	0
20/09/2022 23:00	1.2	194	26	2.1	0
20/09/2022 23:10	1.3	196	24	2.1	0
20/09/2022 23:20	1.2	190	30	1.9	0
20/09/2022 23:30	1.3	193	35	2.1	0
20/09/2022 23:40	1.3	194	26	2.3	0
20/09/2022 23:50	1	196	37	2	0
21/09/2022 00:00	1	198	32	2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/09/2022 00:10	1.2	203	28	2	0
21/09/2022 00:20	1.3	201	40	2	0
21/09/2022 00:30	1.1	198	32	2	0
21/09/2022 00:40	1.3	193	20	2	0
21/09/2022 00:50	1.4	192	23	2.1	0
21/09/2022 01:00	1.1	196	41	2.1	0
21/09/2022 01:10	0.5	191	31	1.6	0
21/09/2022 01:20	1.1	208	35	1.6	0
21/09/2022 01:30	1.3	213	25	2	0
21/09/2022 01:40	2.1	203	14	3.1	0
21/09/2022 01:50	2.5	201	11	3.3	0
21/09/2022 02:00	2.4	206	12	3.2	0
21/09/2022 02:10	2.5	212	15	3.4	0
21/09/2022 02:20	2	209	17	3.2	0
21/09/2022 02:30	2	201	15	2.7	0
21/09/2022 02:40	2.1	208	16	3	0
21/09/2022 02:50	2.1	201	36	3.9	0
21/09/2022 03:00	2.1	175	64	4	0
21/09/2022 03:10	1.2	8	50	2.3	0
21/09/2022 03:20	0.8	164	31	1.6	0
21/09/2022 03:30	1.2	131	61	2	0
21/09/2022 03:40	1.8	241	43	3.2	0
21/09/2022 03:50	2.2	187	29	3.9	0
21/09/2022 04:00	2.8	185	15	4	0
21/09/2022 04:10	2.3	183	15	3.6	0
21/09/2022 04:20	2.2	183	18	3.4	0
21/09/2022 04:30	1.9	180	29	3.9	0
21/09/2022 04:40	1.7	182	22	3.6	0
21/09/2022 04:50	2.3	159	30	3.9	0
21/09/2022 05:00	2.6	195	26	4	0
21/09/2022 05:10	3.4	186	10	4.4	0
21/09/2022 05:20	3.4	193	14	4.8	0
21/09/2022 05:30	3.8	193	11	5.1	0
21/09/2022 05:40	3.3	184	14	4.6	0
21/09/2022 05:50	3	180	11	4.1	0
21/09/2022 06:00	3	175	13	3.6	0
21/09/2022 06:10	2.9	181	13	3.7	0
21/09/2022 06:20	2.5	162	15	4	0
21/09/2022 06:30	2.3	151	25	4	0
21/09/2022 06:40	1.9	135	32	4	0
21/09/2022 06:50	2.4	108	22	4.1	0
21/09/2022 07:00	2.6	114	21	4.2	0
21/09/2022 07:10	2.6	122	18	3.9	0
21/09/2022 07:20	2.5	118	21	3.6	0
21/09/2022 07:30	2.6	113	16	3.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/09/2022 07:40	2.8	107	18	4.3	0
21/09/2022 07:50	2.7	107	19	4.7	0
21/09/2022 08:00	2.8	106	18	4.4	0
21/09/2022 08:10	2.9	110	18	4.6	0
21/09/2022 08:20	3	109	17	4.7	0
21/09/2022 08:30	3.6	116	15	5.4	0
21/09/2022 08:40	3.3	114	20	4.9	0
21/09/2022 08:50	3	114	22	4.4	0
21/09/2022 09:00	3.5	88	15	5	0
21/09/2022 09:10	3.9	84	15	6	0
21/09/2022 09:20	4.1	86	13	5.8	0
21/09/2022 09:30	4.2	84	14	5.8	0
21/09/2022 09:40	3.8	79	17	5.2	0
21/09/2022 09:50	3.9	73	15	5.6	0
21/09/2022 10:00	3.7	72	15	5.5	0
21/09/2022 10:10	3.9	63	15	5.6	0
21/09/2022 10:20	3.8	62	15	5.3	0
21/09/2022 10:30	3.6	59	14	5	0
21/09/2022 10:40	4.4	56	14	5.8	0
21/09/2022 10:50	4.6	58	11	6.1	0
21/09/2022 11:00	4.5	58	10	5.9	0
21/09/2022 11:10	3.7	60	14	5.2	0
21/09/2022 11:20	3.7	47	14	4.8	0
21/09/2022 11:30	3.7	52	12	4.7	0
21/09/2022 11:40	3.3	44	16	4.3	0
21/09/2022 11:50	3.5	42	14	4.5	0
21/09/2022 12:00	3.7	39	13	4.8	0
21/09/2022 12:10	3.8	41	13	5.2	0
21/09/2022 12:20	3.8	41	13	5.1	0
21/09/2022 12:30	3.7	42	14	4.9	0
21/09/2022 12:40	4.4	39	13	5.8	0
21/09/2022 12:50	3.7	43	12	5.3	0
21/09/2022 13:00	3.5	44	14	4.8	0
21/09/2022 13:10	3.1	49	13	4	0
21/09/2022 13:20	3	45	14	4	0
21/09/2022 13:30	2.8	56	18	4	0
21/09/2022 13:40	2.8	46	16	4	0
21/09/2022 13:50	3.1	51	15	4	0
21/09/2022 14:00	3	47	15	4	0
21/09/2022 14:10	2.6	51	22	3.3	0
21/09/2022 14:20	2.2	52	19	3	0
21/09/2022 14:30	2.3	43	16	3.1	0
21/09/2022 14:40	2.4	48	18	3.5	0
21/09/2022 14:50	2	56	25	2.8	0
21/09/2022 15:00	2	58	20	2.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/09/2022 15:10	2	63	23	2.9	0
21/09/2022 15:20	2.1	67	16	3.1	0
21/09/2022 15:30	2.3	63	17	3.2	0
21/09/2022 15:40	2.2	59	15	3.1	0
21/09/2022 15:50	2.2	63	18	3.1	0
21/09/2022 16:00	2.2	72	17	3	0
21/09/2022 16:10	2	64	17	2.8	0
21/09/2022 16:20	2.3	64	14	3.3	0
21/09/2022 16:30	2.1	67	16	2.8	0
21/09/2022 16:40	2.2	66	17	3	0
21/09/2022 16:50	2.3	68	16	3.4	0
21/09/2022 17:00	2	69	18	2.9	0
21/09/2022 17:10	1.9	71	18	2.6	0
21/09/2022 17:20	1.6	64	16	2.4	0
21/09/2022 17:30	1.3	75	15	2	0
21/09/2022 17:40	1.2	71	19	1.7	0
21/09/2022 17:50	0.8	44	21	1.2	0
21/09/2022 18:00	0.3	192	39	0.7	0
21/09/2022 18:10	0.5	169	23	0.8	0
21/09/2022 18:20	0.9	283	24	1.4	0
21/09/2022 18:30	1.3	293	17	1.7	0
21/09/2022 18:40	1.1	300	12	1.5	0
21/09/2022 18:50	1.7	264	11	2.3	0
21/09/2022 19:00	1.7	247	17	2.4	0
21/09/2022 19:10	1.8	250	27	3.1	0
21/09/2022 19:20	2	268	16	3.4	0
21/09/2022 19:30	2.2	267	16	3.2	0
21/09/2022 19:40	1.8	257	20	2.8	0
21/09/2022 19:50	1.9	265	18	2.9	0
21/09/2022 20:00	1.9	269	15	2.8	0
21/09/2022 20:10	1.6	253	21	2.5	0
21/09/2022 20:20	1.7	270	18	2.4	0
21/09/2022 20:30	1.3	249	25	2.2	0
21/09/2022 20:40	1.7	217	23	2.7	0
21/09/2022 20:50	1.6	222	22	2.4	0
21/09/2022 21:00	1.6	218	16	2.6	0
21/09/2022 21:10	2.3	235	16	3.2	0
21/09/2022 21:20	1.8	238	24	2.8	0
21/09/2022 21:30	1.5	258	19	2.2	0
21/09/2022 21:40	1.6	260	16	2	0
21/09/2022 21:50	1.2	239	27	1.7	0
21/09/2022 22:00	1.1	228	29	1.9	0
21/09/2022 22:10	1.1	250	25	1.8	0
21/09/2022 22:20	1.2	270	21	1.7	0
21/09/2022 22:30	1.7	300	10	2	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/09/2022 22:40	1.4	308	9	1.9	0
21/09/2022 22:50	0.7	336	24	1.3	0
21/09/2022 23:00	0.8	333	22	1.2	0
21/09/2022 23:10	0.9	309	33	1.3	0
21/09/2022 23:20	0.5	198	39	1.2	0
21/09/2022 23:30	0.8	201	33	1.8	0
21/09/2022 23:40	1.4	209	28	2.3	0
21/09/2022 23:50	2.6	195	21	3.8	0
22/09/2022 00:00	3.3	196	17	4.8	0
22/09/2022 00:10	3.2	197	16	4.6	0
22/09/2022 00:20	2.2	215	32	3.6	0
22/09/2022 00:30	2.5	201	26	4.4	0
22/09/2022 00:40	3.7	199	11	5.2	0
22/09/2022 00:50	4.3	201	10	5.6	0
22/09/2022 01:00	4.2	199	10	5.6	0
22/09/2022 01:10	3.9	200	11	5.2	0
22/09/2022 01:20	3.3	200	12	4.7	0
22/09/2022 01:30	3.5	200	11	5.1	0
22/09/2022 01:40	3.3	195	13	4.4	0
22/09/2022 01:50	2.9	197	15	4.3	0
22/09/2022 02:00	2.2	195	21	3.7	0
22/09/2022 02:10	3	200	17	4.8	0
22/09/2022 02:20	3.2	195	14	4.2	0
22/09/2022 02:30	3.1	198	14	4.9	0
22/09/2022 02:40	2.8	196	12	3.7	0
22/09/2022 02:50	2.9	198	12	4.3	0
22/09/2022 03:00	2.1	192	13	3	0
22/09/2022 03:10	2.3	188	13	3.4	0
22/09/2022 03:20	2.8	196	12	4	0
22/09/2022 03:30	2.9	203	15	4.2	0
22/09/2022 03:40	2.6	202	17	3.6	0
22/09/2022 03:50	1.5	217	39	2.8	0
22/09/2022 04:00	1.3	212	45	2.5	0
22/09/2022 04:10	1.1	215	59	1.9	0
22/09/2022 04:20	0.7	175	74	1.3	0
22/09/2022 04:30	1.1	284	36	1.6	0
22/09/2022 04:40	1.7	294	20	2.4	0
22/09/2022 04:50	1.5	277	34	2.4	0
22/09/2022 05:00	1.6	286	38	2.5	0
22/09/2022 05:10	1.4	291	28	2	0
22/09/2022 05:20	1.2	302	33	1.8	0
22/09/2022 05:30	1.4	303	11	1.9	0
22/09/2022 05:40	1	313	45	1.6	0
22/09/2022 05:50	1.3	328	23	2.1	0
22/09/2022 06:00	1.7	299	12	2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/09/2022 06:10	1.8	303	6	2.1	0
22/09/2022 06:20	2	303	6	2.4	0
22/09/2022 06:30	1.8	302	7	2.3	0
22/09/2022 06:40	1.5	316	12	2	0
22/09/2022 06:50	1.1	298	11	1.6	0
22/09/2022 07:00	1.4	292	10	1.7	0
22/09/2022 07:10	1.6	283	9	2	0
22/09/2022 07:20	1.4	286	10	1.9	0
22/09/2022 07:30	1.3	281	16	1.8	0
22/09/2022 07:40	1.3	286	20	2	0
22/09/2022 07:50	1	240	38	1.6	0
22/09/2022 08:00	0.7	313	66	1.6	0
22/09/2022 08:10	1.5	259	46	2.4	0
22/09/2022 08:20	1.5	218	24	2.1	0
22/09/2022 08:30	1.6	205	16	2.1	0
22/09/2022 08:40	1.6	209	22	2.6	0
22/09/2022 08:50	1.4	224	29	2.4	0
22/09/2022 09:00	1.7	206	22	3	0
22/09/2022 09:10	1.3	162	42	2.3	0
22/09/2022 09:20	0.8	116	67	1.7	0
22/09/2022 09:30	1.4	89	43	2.5	0
22/09/2022 09:40	1.5	80	29	2.2	0
22/09/2022 09:50	2.7	49	10	3.1	0
22/09/2022 10:00	2.4	53	10	2.8	0
22/09/2022 10:10	2.2	53	11	2.7	0
22/09/2022 10:20	2	46	15	2.4	0
22/09/2022 10:30	2	51	17	2.4	0
22/09/2022 10:40	1.9	52	13	2.5	0
22/09/2022 10:50	2.2	56	11	2.7	0
22/09/2022 11:00	2.4	45	11	3	0
22/09/2022 11:10	2.6	47	10	3	0
22/09/2022 11:20	2.2	69	11	2.7	0
22/09/2022 11:30	2.3	61	10	2.8	0
22/09/2022 11:40	2.2	50	11	2.8	0
22/09/2022 11:50	2.4	51	13	2.9	0
22/09/2022 12:00	2.2	53	17	2.9	0
22/09/2022 12:10	2.5	51	12	3.2	0
22/09/2022 12:20	2.7	59	11	3.4	0
22/09/2022 12:30	2.7	56	15	3.4	0
22/09/2022 12:40	3	59	12	3.6	0
22/09/2022 12:50	3	64	11	3.7	0
22/09/2022 13:00	2.5	45	12	3.4	0
22/09/2022 13:10	2.1	176	40	3.1	0
22/09/2022 13:20	1.8	225	47	3.2	0
22/09/2022 13:30	2.2	269	38	3.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/09/2022 13:40	2.4	283	22	3.6	0
22/09/2022 13:50	2.4	272	30	3.8	0
22/09/2022 14:00	2.5	276	29	3.9	0
22/09/2022 14:10	2.6	265	24	4.3	0
22/09/2022 14:20	2.8	272	29	4	0
22/09/2022 14:30	2.8	270	29	4.4	0
22/09/2022 14:40	2.9	261	25	4.9	0
22/09/2022 14:50	3.1	269	22	4.4	0
22/09/2022 15:00	2.8	277	27	4.6	0
22/09/2022 15:10	3.3	271	23	4.6	0
22/09/2022 15:20	3.1	269	24	4.7	0
22/09/2022 15:30	3.2	274	19	5.2	0
22/09/2022 15:40	3.2	261	20	5	0
22/09/2022 15:50	3.3	271	20	5	0
22/09/2022 16:00	3	262	27	4.6	0
22/09/2022 16:10	2.9	263	21	4.6	0
22/09/2022 16:20	2.8	277	21	4.2	0
22/09/2022 16:30	3	281	19	4.2	0
22/09/2022 16:40	3	277	19	4.4	0
22/09/2022 16:50	2.9	275	19	4	0
22/09/2022 17:00	2.8	278	21	4.2	0
22/09/2022 17:10	2.9	274	22	4.7	0
22/09/2022 17:20	3	269	21	4.6	0
22/09/2022 17:30	2.5	287	22	4	0
22/09/2022 17:40	2.9	286	17	4.5	0
22/09/2022 17:50	2.7	278	23	3.9	0
22/09/2022 18:00	2.9	278	19	4.1	0
22/09/2022 18:10	2.8	274	20	4.8	0
22/09/2022 18:20	3	270	19	4.6	0
22/09/2022 18:30	2.8	262	28	4.8	0
22/09/2022 18:40	2.6	269	36	4.5	0
22/09/2022 18:50	2.2	230	36	4	0
22/09/2022 19:00	2.3	236	38	4	0
22/09/2022 19:10	2.5	254	37	4.4	0
22/09/2022 19:20	3.1	259	24	4.4	0
22/09/2022 19:30	3.2	261	17	4.8	0
22/09/2022 19:40	2.7	265	18	4.1	0
22/09/2022 19:50	2.7	267	24	4	0
22/09/2022 20:00	1.7	269	43	3.1	0
22/09/2022 20:10	2.7	269	25	4.5	0
22/09/2022 20:20	2.4	267	24	4.3	0
22/09/2022 20:30	2.3	263	24	3.5	0
22/09/2022 20:40	2.5	265	18	3.7	0
22/09/2022 20:50	2.4	270	20	3.8	0
22/09/2022 21:00	2.4	270	21	3.5	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/09/2022 21:10	2.4	274	23	3.7	0
22/09/2022 21:20	2.7	271	21	4.2	0
22/09/2022 21:30	2.6	269	21	4	0
22/09/2022 21:40	2.4	271	22	3.6	0
22/09/2022 21:50	2.1	265	25	3.7	0
22/09/2022 22:00	2.1	275	20	3.7	0
22/09/2022 22:10	2.5	280	17	3.7	0
22/09/2022 22:20	2.2	278	26	3.5	0
22/09/2022 22:30	1.3	251	56	2.7	0
22/09/2022 22:40	1.9	279	24	3.6	0
22/09/2022 22:50	2	284	30	3.6	0
22/09/2022 23:00	1.8	265	36	3.1	0
22/09/2022 23:10	1.6	266	33	3	0
22/09/2022 23:20	1.5	270	39	2.7	0
22/09/2022 23:30	2	268	25	3.4	0
22/09/2022 23:40	2.3	277	17	3.6	0
22/09/2022 23:50	1.9	278	25	3.6	0
23/09/2022 00:00	1.8	264	33	3.1	0
23/09/2022 00:10	1.6	268	28	2.8	0
23/09/2022 00:20	1.7	267	27	3.1	0
23/09/2022 00:30	1.4	262	45	2.6	0
23/09/2022 00:40	1.2	217	55	2.8	0
23/09/2022 00:50	1.8	268	26	2.9	0
23/09/2022 01:00	2.1	279	20	3.2	0
23/09/2022 01:10	1.9	273	25	3.2	0
23/09/2022 01:20	1.6	280	32	2.4	0
23/09/2022 01:30	1.5	273	25	2.4	0
23/09/2022 01:40	1.7	281	25	2.8	0
23/09/2022 01:50	1.6	270	48	2.8	0
23/09/2022 02:00	1.6	271	35	2.8	0
23/09/2022 02:10	1.6	246	56	3.3	0
23/09/2022 02:20	1.7	269	33	3.2	0
23/09/2022 02:30	1.1	224	77	2.5	0
23/09/2022 02:40	1.2	252	48	2.5	0
23/09/2022 02:50	1.7	268	36	3.1	0
23/09/2022 03:00	1.3	243	58	2.4	0
23/09/2022 03:10	1.2	218	59	2	0
23/09/2022 03:20	1.2	227	61	2.3	0
23/09/2022 03:30	1.4	262	51	2.8	0
23/09/2022 03:40	1.4	201	51	2.5	0
23/09/2022 03:50	1.4	224	40	2.6	0
23/09/2022 04:00	1.6	256	40	3.4	0
23/09/2022 04:10	1.3	237	50	2.9	0
23/09/2022 04:20	1.8	259	36	3.6	0
23/09/2022 04:30	1.6	272	49	3.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/09/2022 04:40	1.3	260	56	2.2	0
23/09/2022 04:50	1.4	263	39	2.5	0
23/09/2022 05:00	0.6	256	50	2.2	0
23/09/2022 05:10	1.1	251	40	2.6	0
23/09/2022 05:20	1.1	252	49	2.4	0
23/09/2022 05:30	0.5	253	46	1.6	0
23/09/2022 05:40	1	226	55	2.8	0
23/09/2022 05:50	1.4	244	43	2.8	0
23/09/2022 06:00	1	266	36	2.4	0
23/09/2022 06:10	0.7	192	56	1.8	0
23/09/2022 06:20	0.6	270	27	1.6	0
23/09/2022 06:30	0.5	211	51	1.7	0
23/09/2022 06:40	0.5	166	60	1.3	0
23/09/2022 06:50	0.8	231	46	1.9	0
23/09/2022 07:00	1.4	226	36	2.8	0
23/09/2022 07:10	2	224	26	3.6	0
23/09/2022 07:20	1.6	223	44	2.4	0
23/09/2022 07:30	1.9	272	33	3.6	0
23/09/2022 07:40	1.9	270	35	3.6	0
23/09/2022 07:50	2.1	261	26	3.3	0
23/09/2022 08:00	1.9	251	34	3.6	0
23/09/2022 08:10	1.9	236	32	3.1	0
23/09/2022 08:20	1.6	238	42	3.3	0
23/09/2022 08:30	1.7	282	27	2.5	0
23/09/2022 08:40	1.8	281	21	2.6	0
23/09/2022 08:50	1.6	259	38	2.6	0
23/09/2022 09:00	1.5	264	38	2.7	0
23/09/2022 09:10	2	262	28	3.2	0
23/09/2022 09:20	1.8	255	31	2.7	0
23/09/2022 09:30	1.6	242	41	2.6	0
23/09/2022 09:40	2.4	277	20	3.6	0
23/09/2022 09:50	2.8	290	22	3.9	0
23/09/2022 10:00	2.4	289	25	3.8	0
23/09/2022 10:10	2.1	278	29	3.8	0
23/09/2022 10:20	2.2	277	26	3.4	0
23/09/2022 10:30	2.2	292	24	3.5	0
23/09/2022 10:40	2.6	287	21	4	0
23/09/2022 10:50	3	265	20	4.1	0
23/09/2022 11:00	2.9	254	25	4.4	0
23/09/2022 11:10	2.7	262	23	4.3	0
23/09/2022 11:20	2.7	268	24	3.8	0
23/09/2022 11:30	2.9	266	25	4.3	0
23/09/2022 11:40	3	267	22	4.4	0
23/09/2022 11:50	3.1	267	23	4.7	0
23/09/2022 12:00	2.9	266	24	4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/09/2022 12:10	3	293	22	4.3	0
23/09/2022 12:20	2.9	279	26	4.4	0
23/09/2022 12:30	3.1	278	26	4.6	0
23/09/2022 12:40	3.5	263	22	5.2	0
23/09/2022 12:50	3.6	259	20	5.2	0
23/09/2022 13:00	3.7	262	18	5.3	0
23/09/2022 13:10	3.5	276	23	4.6	0
23/09/2022 13:20	3.2	276	24	5.1	0
23/09/2022 13:30	3.4	277	23	5.2	0
23/09/2022 13:40	3.6	279	22	5.4	0
23/09/2022 13:50	3.5	269	17	5.2	0
23/09/2022 14:00	3.7	283	25	5.5	0
23/09/2022 14:10	3.5	279	23	5.3	0
23/09/2022 14:20	3.7	271	20	5.4	0
23/09/2022 14:30	3.5	273	21	5.7	0
23/09/2022 14:40	3.8	274	18	5.7	0
23/09/2022 14:50	3.9	270	17	6	0
23/09/2022 15:00	3.4	269	21	4.9	0
23/09/2022 15:10	4.1	276	16	6.1	0
23/09/2022 15:20	3.5	276	22	5.6	0
23/09/2022 15:30	3.3	276	24	5.4	0
23/09/2022 15:40	3.5	279	18	5.4	0
23/09/2022 15:50	3.4	274	21	5.1	0
23/09/2022 16:00	3.7	277	19	5.2	0
23/09/2022 16:10	3.3	275	25	5.2	0
23/09/2022 16:20	3.3	278	21	5.4	0
23/09/2022 16:30	3.4	290	21	5.4	0
23/09/2022 16:40	3.4	282	19	4.6	0
23/09/2022 16:50	3.3	292	21	5.4	0
23/09/2022 17:00	2.7	278	24	4.3	0
23/09/2022 17:10	2.6	268	26	4.7	0
23/09/2022 17:20	2.4	259	38	4.4	0
23/09/2022 17:30	3.1	282	21	4.8	0
23/09/2022 17:40	3.1	273	24	4.4	0
23/09/2022 17:50	3.5	272	21	6.2	0
23/09/2022 18:00	3	279	25	4.7	0
23/09/2022 18:10	2.8	275	28	5.8	0
23/09/2022 18:20	2.6	268	40	4.4	0
23/09/2022 18:30	1.9	261	45	3.6	0
23/09/2022 18:40	2.6	276	24	4	0
23/09/2022 18:50	2.5	277	25	4.1	0
23/09/2022 19:00	2.1	265	36	3.5	0
23/09/2022 19:10	2.4	266	38	4	0
23/09/2022 19:20	2.7	278	28	4.5	0
23/09/2022 19:30	2.5	273	29	4.1	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/09/2022 19:40	3	276	17	4.9	0
23/09/2022 19:50	2.3	285	22	4.1	0
23/09/2022 20:00	1.8	268	39	3	0
23/09/2022 20:10	2.4	266	26	3.7	0
23/09/2022 20:20	2.3	273	19	4.1	0
23/09/2022 20:30	2.7	277	18	4.5	0
23/09/2022 20:40	2.4	278	18	3.9	0
23/09/2022 20:50	2.3	279	22	3.8	0
23/09/2022 21:00	2.3	275	21	3.7	0
23/09/2022 21:10	2.2	282	25	3.8	0
23/09/2022 21:20	2	271	42	3.9	0
23/09/2022 21:30	1.7	266	56	3	0
23/09/2022 21:40	1.9	268	47	3.6	0
23/09/2022 21:50	2.4	254	39	5.4	0
23/09/2022 22:00	1.9	274	54	4	0
23/09/2022 22:10	1.6	278	51	3	0
23/09/2022 22:20	1.2	272	67	2.4	0
23/09/2022 22:30	1.3	271	57	2.9	0
23/09/2022 22:40	1.1	310	62	2.3	0
23/09/2022 22:50	1.3	275	60	2.8	0
23/09/2022 23:00	1.6	272	38	3.2	0
23/09/2022 23:10	1.2	298	55	2.2	0
23/09/2022 23:20	1	261	67	2.1	0
23/09/2022 23:30	1.5	253	53	3.2	0
23/09/2022 23:40	2.1	271	26	3.4	0
23/09/2022 23:50	1.8	272	35	3.6	0
24/09/2022 00:00	1.6	264	46	3.2	0
24/09/2022 00:10	1.9	263	44	3.4	0
24/09/2022 00:20	1.1	219	69	2.4	0
24/09/2022 00:30	1.2	239	48	2.4	0
24/09/2022 00:40	1.2	295	71	2.4	0
24/09/2022 00:50	1.3	265	44	2.6	0
24/09/2022 01:00	1.2	291	53	2.4	0
24/09/2022 01:10	1.8	277	31	3.1	0
24/09/2022 01:20	1.7	273	45	2.7	0
24/09/2022 01:30	1.1	316	70	2.4	0
24/09/2022 01:40	1.2	167	69	2.4	0
24/09/2022 01:50	2.5	259	35	4.8	0
24/09/2022 02:00	1.7	249	58	2.9	0
24/09/2022 02:10	1.7	253	45	4.3	0
24/09/2022 02:20	1.6	270	80	3.6	0
24/09/2022 02:30	1.8	249	53	4.3	0
24/09/2022 02:40	1.7	263	57	2.8	0
24/09/2022 02:50	1.9	262	52	3.7	0
24/09/2022 03:00	2.2	272	33	3.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/09/2022 03:10	1.9	264	57	4	0
24/09/2022 03:20	1.8	286	47	3.2	0
24/09/2022 03:30	1.9	261	35	3.2	0
24/09/2022 03:40	1.6	251	48	3.6	0
24/09/2022 03:50	1.7	269	54	3.6	0
24/09/2022 04:00	1.6	226	62	3.5	0
24/09/2022 04:10	1.6	242	66	3.5	0
24/09/2022 04:20	1.5	208	72	3.1	0
24/09/2022 04:30	1.7	261	54	3.2	0
24/09/2022 04:40	1.3	260	85	2.5	0
24/09/2022 04:50	1.2	233	82	2.6	0
24/09/2022 05:00	1.2	255	82	2.4	0
24/09/2022 05:10	1.2	287	69	2.4	0
24/09/2022 05:20	1.7	274	34	3.5	0
24/09/2022 05:30	1.2	209	72	2.6	0
24/09/2022 05:40	1.2	288	72	2	0
24/09/2022 05:50	1.1	180	74	2.5	0
24/09/2022 06:00	1.2	279	66	2.9	0
24/09/2022 06:10	1.3	286	34	2.8	0
24/09/2022 06:20	1.3	263	59	2.2	0
24/09/2022 06:30	1.3	256	61	2.8	0
24/09/2022 06:40	1.7	267	53	3.2	0
24/09/2022 06:50	1.6	259	31	3.3	0
24/09/2022 07:00	1.5	237	47	2.9	0
24/09/2022 07:10	1.3	201	60	2.5	0
24/09/2022 07:20	1.5	215	46	2.5	0
24/09/2022 07:30	1.3	236	70	2.8	0
24/09/2022 07:40	1.7	198	49	3.2	0
24/09/2022 07:50	1.7	196	33	2.9	0
24/09/2022 08:00	1.6	252	42	2.9	0
24/09/2022 08:10	1.5	229	44	2.7	0
24/09/2022 08:20	1.6	240	54	3.1	0
24/09/2022 08:30	1.6	228	58	2.8	0
24/09/2022 08:40	1.9	241	45	3.3	0
24/09/2022 08:50	2.4	210	38	5.3	0
24/09/2022 09:00	2.6	207	31	4.4	0
24/09/2022 09:10	2.5	215	27	4.7	0
24/09/2022 09:20	2	239	42	4.1	0
24/09/2022 09:30	2.5	208	31	4.5	0
24/09/2022 09:40	2.9	229	37	5.1	0
24/09/2022 09:50	3.6	209	26	6.5	0
24/09/2022 10:00	3.1	210	31	6.5	0
24/09/2022 10:10	2.3	223	49	4	0
24/09/2022 10:20	2.6	253	33	4.4	0
24/09/2022 10:30	2.8	277	24	4.2	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/09/2022 10:40	2.9	267	26	4.7	0
24/09/2022 10:50	3.1	282	25	5.4	0
24/09/2022 11:00	3.5	284	20	5.6	0
24/09/2022 11:10	3.6	281	22	5.4	0
24/09/2022 11:20	3.5	280	21	5.4	0
24/09/2022 11:30	3.8	276	20	5.2	0
24/09/2022 11:40	3.3	282	26	5.7	0
24/09/2022 11:50	3.8	296	24	5.7	0
24/09/2022 12:00	4	295	22	6.4	0
24/09/2022 12:10	4.2	290	22	6.2	0
24/09/2022 12:20	4.3	289	24	6.6	0
24/09/2022 12:30	4.1	286	22	6.6	0
24/09/2022 12:40	3.8	282	22	5.9	0
24/09/2022 12:50	3.9	281	23	6.4	0
24/09/2022 13:00	4.4	284	20	6	0
24/09/2022 13:10	4.3	289	26	7.2	0
24/09/2022 13:20	4.2	290	26	6.8	0
24/09/2022 13:30	4.1	287	22	6.9	0
24/09/2022 13:40	4.2	287	23	7.1	0
24/09/2022 13:50	4.2	283	25	7.1	0
24/09/2022 14:00	4	288	24	6.4	0
24/09/2022 14:10	4.3	293	24	6.8	0
24/09/2022 14:20	3.9	279	24	6.7	0
24/09/2022 14:30	4.5	284	18	7.3	0
24/09/2022 14:40	4.6	283	17	6.9	0
24/09/2022 14:50	4	281	23	6.4	0
24/09/2022 15:00	4.2	282	16	6.5	0
24/09/2022 15:10	4	282	22	6.3	0
24/09/2022 15:20	2.9	259	34	6.4	0
24/09/2022 15:30	3.3	263	37	6.9	0
24/09/2022 15:40	2.6	262	44	5.4	0
24/09/2022 15:50	2.7	271	44	6	0
24/09/2022 16:00	3.4	271	40	6.4	0
24/09/2022 16:10	2.9	242	49	5.6	0
24/09/2022 16:20	3.1	266	37	5.2	0
24/09/2022 16:30	2.7	252	54	5.6	0
24/09/2022 16:40	3.1	261	38	5.9	0
24/09/2022 16:50	3.1	264	33	5.3	0
24/09/2022 17:00	2.7	267	32	4.7	0
24/09/2022 17:10	2.9	280	30	5.2	0
24/09/2022 17:20	4	281	18	6.7	0
24/09/2022 17:30	3.7	279	20	5.4	0
24/09/2022 17:40	3.7	278	19	5.9	0
24/09/2022 17:50	3.7	276	17	5.1	0
24/09/2022 18:00	3	272	21	5.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/09/2022 18:10	3.4	279	17	5.5	0
24/09/2022 18:20	3	270	23	5.2	0
24/09/2022 18:30	3	264	30	5.2	0
24/09/2022 18:40	3.1	266	27	5.2	0
24/09/2022 18:50	2.9	277	25	4.9	0
24/09/2022 19:00	3	266	30	5	0
24/09/2022 19:10	3	270	23	5.2	0
24/09/2022 19:20	3.2	263	21	5.2	0
24/09/2022 19:30	3.1	275	25	4.9	0
24/09/2022 19:40	2.6	264	32	4.4	0
24/09/2022 19:50	3.3	271	20	5.4	0
24/09/2022 20:00	3	265	31	5.5	0
24/09/2022 20:10	3.1	265	27	5.7	0
24/09/2022 20:20	2.9	264	27	4.9	0
24/09/2022 20:30	2.8	265	27	5.5	0
24/09/2022 20:40	2.7	260	31	5	0
24/09/2022 20:50	2.9	266	33	5.2	0
24/09/2022 21:00	2.5	269	27	4.3	0
24/09/2022 21:10	3	280	23	5.3	0
24/09/2022 21:20	3	275	22	4.7	0
24/09/2022 21:30	2.9	280	15	4.4	0
24/09/2022 21:40	3.1	278	17	4.3	0
24/09/2022 21:50	2.8	275	19	4.4	0
24/09/2022 22:00	2.4	282	24	4	0
24/09/2022 22:10	2.6	278	25	4.5	0
24/09/2022 22:20	2.6	283	21	4	0
24/09/2022 22:30	2.6	279	16	4	0
24/09/2022 22:40	2.3	279	20	3.4	0
24/09/2022 22:50	2.1	279	23	3.4	0
24/09/2022 23:00	2.1	278	24	3.5	0
24/09/2022 23:10	2.2	282	21	3.4	0
24/09/2022 23:20	1.8	291	23	2.8	0
24/09/2022 23:30	1.5	276	44	3	0
24/09/2022 23:40	1	292	54	2.4	0
24/09/2022 23:50	1.1	289	60	2.1	0
25/09/2022 00:00	1.3	277	31	2.2	0
25/09/2022 00:10	1.3	269	38	2.8	0
25/09/2022 00:20	0.7	207	67	1.6	0
25/09/2022 00:30	1.2	277	40	2.4	0
25/09/2022 00:40	1.3	264	39	2	0
25/09/2022 00:50	1.1	236	56	2.4	0
25/09/2022 01:00	1.4	276	36	2.6	0
25/09/2022 01:10	1	286	57	2.4	0
25/09/2022 01:20	1.4	281	22	2.5	0
25/09/2022 01:30	1.3	289	39	2.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/09/2022 01:40	1.1	277	57	2.1	0
25/09/2022 01:50	0.8	156	85	2	0
25/09/2022 02:00	1.6	236	38	3.2	0
25/09/2022 02:10	1.5	228	47	2.7	0
25/09/2022 02:20	1.8	210	53	3.5	0
25/09/2022 02:30	1.7	223	49	3.2	0
25/09/2022 02:40	1.9	252	30	3.2	0
25/09/2022 02:50	2.1	257	26	3.4	0
25/09/2022 03:00	2.8	252	24	4.4	0
25/09/2022 03:10	2.6	251	21	4.6	0
25/09/2022 03:20	2.4	240	25	3.5	0
25/09/2022 03:30	2.3	226	34	4	0
25/09/2022 03:40	2.6	218	35	4.8	0
25/09/2022 03:50	2.9	206	27	5.1	0
25/09/2022 04:00	3.4	208	24	5.5	0
25/09/2022 04:10	3.3	209	24	5.2	0
25/09/2022 04:20	3.5	207	22	5.2	0
25/09/2022 04:30	3.7	205	18	5.6	0
25/09/2022 04:40	4.3	204	16	6.7	0
25/09/2022 04:50	4.7	202	11	6.7	0
25/09/2022 05:00	4.4	199	13	6.2	0
25/09/2022 05:10	4.8	196	12	6.8	0
25/09/2022 05:20	5.1	192	11	6.6	0
25/09/2022 05:30	5.3	191	12	7	0
25/09/2022 05:40	5.5	191	12	7.9	0
25/09/2022 05:50	5.2	192	11	7	0
25/09/2022 06:00	5.4	192	11	7.2	0
25/09/2022 06:10	5.3	193	11	6.8	0
25/09/2022 06:20	5.9	195	9	7.2	0
25/09/2022 06:30	5.5	194	11	7.5	0
25/09/2022 06:40	5.5	194	11	7.3	0
25/09/2022 06:50	5.7	193	11	7.5	0
25/09/2022 07:00	5.6	193	10	7.8	0
25/09/2022 07:10	5.7	195	10	7.3	0
25/09/2022 07:20	5.4	194	11	7.2	0
25/09/2022 07:30	5.4	192	10	7	0
25/09/2022 07:40	5.2	189	12	7.1	0
25/09/2022 07:50	4.9	187	13	6.4	0
25/09/2022 08:00	5.6	184	11	7.3	0
25/09/2022 08:10	5.2	183	10	7.5	0
25/09/2022 08:20	4.9	186	12	6.6	0
25/09/2022 08:30	4.6	190	13	6.4	0
25/09/2022 08:40	3.4	200	17	5.1	0
25/09/2022 08:50	2.1	225	25	3.6	0
25/09/2022 09:00	1.9	219	34	3.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/09/2022 09:10	2	229	25	3.3	0
25/09/2022 09:20	2	186	45	3.3	0
25/09/2022 09:30	2	204	26	3.4	0
25/09/2022 09:40	2	212	25	3.7	0
25/09/2022 09:50	2.3	220	22	3.7	0
25/09/2022 10:00	2	217	34	3.1	0
25/09/2022 10:10	1.7	231	51	2.8	0
25/09/2022 10:20	1.8	166	39	3.3	0
25/09/2022 10:30	1.9	198	34	3.4	0
25/09/2022 10:40	1.8	183	39	2.9	0
25/09/2022 10:50	2.3	202	32	4	0
25/09/2022 11:00	2	151	29	3.2	0
25/09/2022 11:10	2.1	191	61	3.6	0
25/09/2022 11:20	2.3	286	26	4	0
25/09/2022 11:30	2.4	294	30	4	0
25/09/2022 11:40	2.7	282	27	4.5	0
25/09/2022 11:50	2.6	276	28	4	0
25/09/2022 12:00	2.8	281	24	4	0
25/09/2022 12:10	3.1	276	23	4.6	0
25/09/2022 12:20	3.7	275	25	5.6	0
25/09/2022 12:30	4	264	21	5.9	0
25/09/2022 12:40	3.5	268	22	5.6	0
25/09/2022 12:50	3.5	278	27	5.3	0
25/09/2022 13:00	3.9	274	25	5.9	0
25/09/2022 13:10	3.9	264	19	6	0
25/09/2022 13:20	3.9	279	21	6	0
25/09/2022 13:30	4	283	21	6.1	0
25/09/2022 13:40	4	280	22	5.7	0
25/09/2022 13:50	4.3	272	20	6.4	0
25/09/2022 14:00	3.7	275	26	6.5	0
25/09/2022 14:10	3.9	270	26	6.4	0
25/09/2022 14:20	4.4	282	19	7.1	0
25/09/2022 14:30	4	278	21	6.8	0
25/09/2022 14:40	4.2	280	22	6.3	0
25/09/2022 14:50	4.5	279	22	6.4	0
25/09/2022 15:00	4.3	284	23	7.2	0
25/09/2022 15:10	4.2	281	23	6.4	0
25/09/2022 15:20	4	285	24	6.4	0
25/09/2022 15:30	4.6	273	19	6.7	0
25/09/2022 15:40	4.4	278	22	6.9	0
25/09/2022 15:50	4.1	283	25	5.9	0
25/09/2022 16:00	4.3	279	21	6.8	0
25/09/2022 16:10	3.8	273	24	6.9	0
25/09/2022 16:20	3.6	257	38	6	0
25/09/2022 16:30	3.9	273	26	6.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/09/2022 16:40	5	277	21	7.9	0
25/09/2022 16:50	5	277	18	8.2	0
25/09/2022 17:00	4.8	279	17	7.5	0
25/09/2022 17:10	4.9	277	19	7.7	0
25/09/2022 17:20	4.7	274	24	7.6	0
25/09/2022 17:30	5	273	19	7.8	0
25/09/2022 17:40	4.4	269	25	7.4	0
25/09/2022 17:50	4.2	276	22	6.4	0
25/09/2022 18:00	3.8	271	26	6.3	0
25/09/2022 18:10	3.5	274	24	6.6	0
25/09/2022 18:20	3.6	270	39	6.7	0
25/09/2022 18:30	2.8	273	40	5.2	0
25/09/2022 18:40	3.1	255	37	6	0
25/09/2022 18:50	2.9	254	44	5.2	0
25/09/2022 19:00	2.6	258	50	5.1	0
25/09/2022 19:10	2.8	260	30	5.8	0
25/09/2022 19:20	2.9	270	36	5.3	0
25/09/2022 19:30	3.1	262	33	5.5	0
25/09/2022 19:40	2.4	256	43	5.1	0
25/09/2022 19:50	2.6	269	27	4.2	0
25/09/2022 20:00	2.2	260	41	4.1	0
25/09/2022 20:10	2.6	258	36	4.6	0
25/09/2022 20:20	3.2	261	25	4.8	0
25/09/2022 20:30	2.5	264	25	4.4	0
25/09/2022 20:40	2.6	263	29	4.6	0
25/09/2022 20:50	2.2	272	32	3.8	0
25/09/2022 21:00	1.7	263	48	3.2	0
25/09/2022 21:10	1.5	274	50	2.7	0
25/09/2022 21:20	1.8	259	58	3.3	0
25/09/2022 21:30	1.3	207	77	3	0
25/09/2022 21:40	1	145	68	1.9	0
25/09/2022 21:50	1.1	198	60	2.1	0
25/09/2022 22:00	1.5	205	53	3.1	0
25/09/2022 22:10	1.7	207	45	3.2	0
25/09/2022 22:20	1.9	230	38	3.7	0
25/09/2022 22:30	2.1	251	32	3.7	0
25/09/2022 22:40	2.1	220	33	3.6	0
25/09/2022 22:50	3	208	24	4.8	0
25/09/2022 23:00	3.1	214	24	5.2	0
25/09/2022 23:10	3.4	213	21	5	0
25/09/2022 23:20	3.2	211	19	4.7	0
25/09/2022 23:30	3.4	212	20	6.4	0
25/09/2022 23:40	3.6	207	16	4.8	0
25/09/2022 23:50	3.6	211	17	5	0
26/09/2022 00:00	4	212	16	5.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/09/2022 00:10	3.8	206	19	5.2	0
26/09/2022 00:20	3.8	202	17	5.1	0
26/09/2022 00:30	4.1	203	15	6	0
26/09/2022 00:40	4.3	205	13	5.9	0
26/09/2022 00:50	4.3	208	16	6.2	0
26/09/2022 01:00	4.3	204	16	6.1	0
26/09/2022 01:10	4.4	203	15	6	0
26/09/2022 01:20	4.8	207	14	6.8	0
26/09/2022 01:30	4.6	205	13	6.6	0
26/09/2022 01:40	4.9	208	13	6.6	0
26/09/2022 01:50	5	208	14	6.7	0
26/09/2022 02:00	5	206	15	6.9	0
26/09/2022 02:10	5	210	13	6.7	0
26/09/2022 02:20	4.8	208	13	6.3	0
26/09/2022 02:30	4.7	207	13	6.5	0
26/09/2022 02:40	4.9	207	12	6.5	0
26/09/2022 02:50	4.9	207	12	6.8	0
26/09/2022 03:00	4.7	209	13	6	0
26/09/2022 03:10	4.6	210	12	6.1	0
26/09/2022 03:20	4.6	209	14	5.8	0
26/09/2022 03:30	4.8	207	11	6.4	0
26/09/2022 03:40	4.4	209	14	6.4	0
26/09/2022 03:50	4.7	211	13	6.3	0
26/09/2022 04:00	4.8	208	13	6.3	0
26/09/2022 04:10	4.6	207	10	5.9	0
26/09/2022 04:20	4.8	207	14	7.2	0
26/09/2022 04:30	5	209	13	7.2	0
26/09/2022 04:40	4.9	206	12	6.2	0
26/09/2022 04:50	4.9	208	12	6.4	0
26/09/2022 05:00	5.1	204	13	7.1	0
26/09/2022 05:10	5	208	13	6.5	0
26/09/2022 05:20	5.2	206	11	6.8	0
26/09/2022 05:30	5	204	13	6.8	0
26/09/2022 05:40	4.7	204	15	6.3	0
26/09/2022 05:50	4.5	208	12	6.4	0
26/09/2022 06:00	4.3	205	13	6	0
26/09/2022 06:10	3.9	200	15	6	0
26/09/2022 06:20	3.2	198	16	4.7	0
26/09/2022 06:30	2.1	194	25	3.6	0
26/09/2022 06:40	1.6	148	55	3.1	0
26/09/2022 06:50	2.3	147	35	4	0
26/09/2022 07:00	2.4	161	29	4.3	0
26/09/2022 07:10	2.5	140	29	4.2	0
26/09/2022 07:20	3.3	128	23	5.6	0
26/09/2022 07:30	3.2	134	25	6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/09/2022 07:40	3.3	134	32	6.9	0
26/09/2022 07:50	3.5	112	28	5.6	0
26/09/2022 08:00	4.1	106	28	6.9	0
26/09/2022 08:10	4.9	107	22	7.7	0
26/09/2022 08:20	5.4	111	23	8.9	0
26/09/2022 08:30	4.9	114	27	8	0
26/09/2022 08:40	5.1	107	24	8.4	0
26/09/2022 08:50	4.6	107	28	8.4	0
26/09/2022 09:00	5.4	109	24	9.5	0
26/09/2022 09:10	4.7	103	24	7.5	0
26/09/2022 09:20	4.7	96	21	7.9	0
26/09/2022 09:30	4.6	92	23	7.2	0
26/09/2022 09:40	4.6	89	25	7.9	0
26/09/2022 09:50	4	100	24	6.7	0
26/09/2022 10:00	3.8	94	24	6	0
26/09/2022 10:10	3.9	97	20	7.1	0
26/09/2022 10:20	3.8	93	20	5.9	0
26/09/2022 10:30	4	86	18	6.6	0
26/09/2022 10:40	4.6	82	17	6.7	0
26/09/2022 10:50	3.8	82	18	5.7	0
26/09/2022 11:00	4.4	76	12	6.1	0
26/09/2022 11:10	4.3	80	15	6	0
26/09/2022 11:20	4.5	80	14	5.8	0
26/09/2022 11:30	4.2	78	13	5.6	0
26/09/2022 11:40	3.7	61	19	5.1	0
26/09/2022 11:50	3.4	48	15	4.8	0
26/09/2022 12:00	3.3	45	14	4.6	0
26/09/2022 12:10	3.9	40	11	5.7	0
26/09/2022 12:20	4.2	41	9	5.3	0
26/09/2022 12:30	3.5	39	13	4.8	0
26/09/2022 12:40	3.6	54	17	5.3	0
26/09/2022 12:50	3.9	44	13	5.6	0
26/09/2022 13:00	3.9	44	13	5.2	0
26/09/2022 13:10	4.2	39	12	6.1	0
26/09/2022 13:20	3.7	40	15	5.3	0
26/09/2022 13:30	4.2	40	14	5.8	0
26/09/2022 13:40	4.1	36	15	6	0
26/09/2022 13:50	4.3	38	16	6	0
26/09/2022 14:00	4.3	37	13	6	0
26/09/2022 14:10	4.2	35	14	6.2	0
26/09/2022 14:20	4.1	35	14	5.7	0
26/09/2022 14:30	4.2	35	15	6	0
26/09/2022 14:40	4.5	35	13	6.3	0
26/09/2022 14:50	4	35	15	5.6	0
26/09/2022 15:00	4.1	37	14	5.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/09/2022 15:10	4.2	34	13	5.9	0
26/09/2022 15:20	4.1	38	12	5.7	0
26/09/2022 15:30	4	36	13	5.7	0
26/09/2022 15:40	3.6	38	14	4.8	0
26/09/2022 15:50	3.4	39	15	5	0
26/09/2022 16:00	3.4	38	15	5	0
26/09/2022 16:10	3.3	39	13	4.6	0
26/09/2022 16:20	3.5	37	14	5.2	0
26/09/2022 16:30	3.1	42	14	4.8	0
26/09/2022 16:40	2.8	44	14	4	0
26/09/2022 16:50	2.8	42	13	4.2	0
26/09/2022 17:00	2.3	41	14	3.6	0
26/09/2022 17:10	1.9	48	15	2.7	0
26/09/2022 17:20	1.8	52	17	3	0
26/09/2022 17:30	1.5	58	16	2.3	0
26/09/2022 17:40	0.6	82	40	1.3	0
26/09/2022 17:50	0.3	161	20	0.8	0
26/09/2022 18:00	1.1	322	20	1.9	0
26/09/2022 18:10	1.8	320	11	2.3	0
26/09/2022 18:20	2.5	281	18	4	0
26/09/2022 18:30	2.7	274	26	4.3	0
26/09/2022 18:40	2.4	260	34	4	0
26/09/2022 18:50	1.7	232	46	3.1	0
26/09/2022 19:00	2	223	44	3.5	0
26/09/2022 19:10	2	235	40	4	0
26/09/2022 19:20	2.1	219	40	4.1	0
26/09/2022 19:30	2	215	48	3.9	0
26/09/2022 19:40	1.9	222	43	3	0
26/09/2022 19:50	2	226	39	4	0
26/09/2022 20:00	1.8	240	52	4.4	0
26/09/2022 20:10	2.3	236	36	3.7	0
26/09/2022 20:20	1.7	249	55	2.8	0
26/09/2022 20:30	2.2	218	30	4.2	0
26/09/2022 20:40	2.1	205	37	4	0
26/09/2022 20:50	2.4	220	37	4.6	0
26/09/2022 21:00	2.6	221	42	4.6	0
26/09/2022 21:10	2.7	224	35	4.5	0
26/09/2022 21:20	2.8	217	35	4.7	0
26/09/2022 21:30	2.8	229	36	5.2	0
26/09/2022 21:40	3.4	209	26	5.9	0
26/09/2022 21:50	2.9	207	32	5.2	0
26/09/2022 22:00	3.8	205	30	6.6	0
26/09/2022 22:10	4	196	21	6.4	0
26/09/2022 22:20	4.6	193	21	6.5	0
26/09/2022 22:30	4.2	196	21	6.7	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/09/2022 22:40	3.7	196	22	6	0
26/09/2022 22:50	4	198	25	6	0
26/09/2022 23:00	4.3	196	18	6.7	0
26/09/2022 23:10	3.9	194	23	6	0
26/09/2022 23:20	3.8	196	21	5.7	0
26/09/2022 23:30	4.5	199	22	6.8	0
26/09/2022 23:40	4.1	203	17	6	0
26/09/2022 23:50	4.1	195	15	5.5	0
27/09/2022 00:00	4.6	182	13	6.9	0
27/09/2022 00:10	2.1	168	34	3.6	0
27/09/2022 00:20	2.4	120	23	3.5	0
27/09/2022 00:30	1.6	95	17	2.8	0
27/09/2022 00:40	1.7	88	18	2.5	0
27/09/2022 00:50	1.8	115	26	3.2	0
27/09/2022 01:00	1.9	113	26	3.2	0
27/09/2022 01:10	1.5	119	24	2.6	0
27/09/2022 01:20	1.4	100	24	2.5	0
27/09/2022 01:30	2.3	85	24	4	0
27/09/2022 01:40	3.1	86	20	5.1	0
27/09/2022 01:50	3.8	87	23	7.6	0
27/09/2022 02:00	6.7	86	16	9.8	0
27/09/2022 02:10	8.2	88	13	11.6	0
27/09/2022 02:20	7.6	84	16	10.5	0
27/09/2022 02:30	8.2	82	14	11.3	0
27/09/2022 02:40	8.3	81	15	11.9	0
27/09/2022 02:50	8.5	83	15	12.3	0
27/09/2022 03:00	8.2	84	14	11.2	0
27/09/2022 03:10	6.8	84	14	9.1	0
27/09/2022 03:20	5.4	84	18	9	0
27/09/2022 03:30	5.4	85	15	8.3	0
27/09/2022 03:40	5.3	84	15	9.7	0
27/09/2022 03:50	5	86	18	7.7	0
27/09/2022 04:00	5.3	83	14	7.5	0
27/09/2022 04:10	5.4	84	14	8.2	0
27/09/2022 04:20	5	84	15	7.2	0
27/09/2022 04:30	5.2	81	16	7.2	0
27/09/2022 04:40	5.4	84	14	7.9	0
27/09/2022 04:50	4.9	85	13	6.9	0
27/09/2022 05:00	5.5	83	13	8.3	0
27/09/2022 05:10	5.6	86	15	7.7	0
27/09/2022 05:20	5.2	85	16	7.2	0
27/09/2022 05:30	5.2	84	11	7.2	0
27/09/2022 05:40	5.3	85	13	7.9	0
27/09/2022 05:50	5.5	88	13	7.6	0
27/09/2022 06:00	5.5	86	12	7.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/09/2022 06:10	5	84	13	7	0
27/09/2022 06:20	4.9	85	14	7.5	0
27/09/2022 06:30	4.8	85	15	7.4	0
27/09/2022 06:40	4.6	83	12	6.6	0
27/09/2022 06:50	4.6	87	16	6.9	0
27/09/2022 07:00	4.7	85	13	6.6	0
27/09/2022 07:10	4.5	87	16	6.3	0
27/09/2022 07:20	4.5	85	13	6.5	0
27/09/2022 07:30	4.6	84	15	7.2	0
27/09/2022 07:40	4.9	85	16	6.5	0
27/09/2022 07:50	5.1	85	14	7.6	0
27/09/2022 08:00	5.6	83	14	7.5	0
27/09/2022 08:10	5.9	81	13	8.3	0
27/09/2022 08:20	5.8	83	12	8.2	0
27/09/2022 08:30	5.1	83	13	7.4	0
27/09/2022 08:40	4.5	87	16	6.9	0
27/09/2022 08:50	5.7	85	13	8.1	0
27/09/2022 09:00	6.1	90	15	8.7	0
27/09/2022 09:10	6.1	84	13	8.6	0
27/09/2022 09:20	5.6	85	13	7.8	0
27/09/2022 09:30	5.3	85	13	7.7	0
27/09/2022 09:40	4.7	74	17	7	0
27/09/2022 09:50	4.9	80	16	7	0
27/09/2022 10:00	4.9	80	14	6.8	0
27/09/2022 10:10	4.4	82	14	6	0
27/09/2022 10:20	4.3	78	16	5.6	0
27/09/2022 10:30	4.3	69	15	6	0
27/09/2022 10:40	3.8	66	16	5.9	0
27/09/2022 10:50	4.2	60	14	5.6	0
27/09/2022 11:00	4.7	58	11	6.1	0
27/09/2022 11:10	4.7	57	10	6	0
27/09/2022 11:20	5.1	59	9	6.6	0
27/09/2022 11:30	4.3	56	13	5.8	0
27/09/2022 11:40	3.9	52	16	5.6	0
27/09/2022 11:50	3.7	54	14	5.4	0
27/09/2022 12:00	4.1	50	12	5.6	0
27/09/2022 12:10	4.2	50	12	5.6	0
27/09/2022 12:20	3.8	48	14	5.5	0
27/09/2022 12:30	4.3	45	13	6.1	0
27/09/2022 12:40	4.5	48	11	6.2	0
27/09/2022 12:50	4.3	48	11	5.9	0
27/09/2022 13:00	4.3	46	14	5.7	0
27/09/2022 13:10	4.1	47	13	5.8	0
27/09/2022 13:20	4.5	44	13	6	0
27/09/2022 13:30	4	41	15	5.4	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/09/2022 13:40	4	39	16	5.8	0
27/09/2022 13:50	4.3	38	13	6.2	0
27/09/2022 14:00	4.4	44	12	6	0
27/09/2022 14:10	4.1	41	15	5.8	0
27/09/2022 14:20	3.9	39	14	5.8	0
27/09/2022 14:30	4	48	13	5.3	0
27/09/2022 14:40	4.1	46	13	5.5	0
27/09/2022 14:50	3.7	48	13	5.4	0
27/09/2022 15:00	3.6	46	13	4.6	0
27/09/2022 15:10	3.4	48	14	4.8	0
27/09/2022 15:20	3.5	52	11	4.7	0
27/09/2022 15:30	3.4	53	14	4.8	0
27/09/2022 15:40	3.5	46	13	4.8	0
27/09/2022 15:50	3.3	47	12	4.2	0
27/09/2022 16:00	3.4	52	10	4.6	0
27/09/2022 16:10	3.3	20	19	4.4	0
27/09/2022 16:20	4.1	342	12	5.4	0
27/09/2022 16:30	3.5	343	14	5	0
27/09/2022 16:40	3.9	345	11	5.3	0
27/09/2022 16:50	3.8	351	13	4.9	0
27/09/2022 17:00	3.5	342	12	4.5	0
27/09/2022 17:10	3.6	353	12	4.6	0
27/09/2022 17:20	3	345	16	4	0
27/09/2022 17:30	2.9	351	13	4	0
27/09/2022 17:40	2.7	289	23	4.3	0
27/09/2022 17:50	2.8	284	18	4.1	0
27/09/2022 18:00	3.2	269	18	4.7	0
27/09/2022 18:10	3.1	269	20	4.8	0
27/09/2022 18:20	2.6	272	20	4	0
27/09/2022 18:30	2.6	280	21	3.9	0
27/09/2022 18:40	2.3	273	31	4.2	0
27/09/2022 18:50	2.2	244	34	4.1	0
27/09/2022 19:00	2	255	35	3.6	0
27/09/2022 19:10	2.3	265	30	4.4	0
27/09/2022 19:20	2.7	255	25	4.2	0
27/09/2022 19:30	2.6	268	17	4.4	0
27/09/2022 19:40	2.2	267	31	3.6	0
27/09/2022 19:50	1.9	271	44	3.2	0
27/09/2022 20:00	1.8	246	35	3.6	0
27/09/2022 20:10	2.3	270	28	4	0
27/09/2022 20:20	2	247	36	3.7	0
27/09/2022 20:30	1.6	258	45	2.9	0
27/09/2022 20:40	1.7	251	53	4.3	0
27/09/2022 20:50	1.8	243	35	3.4	0
27/09/2022 21:00	1.7	234	45	3.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/09/2022 21:10	1.8	257	39	3.4	0
27/09/2022 21:20	1.7	248	57	4	0
27/09/2022 21:30	1.7	256	59	3.3	0
27/09/2022 21:40	1.4	218	62	2.4	0
27/09/2022 21:50	1.7	204	40	3.4	0
27/09/2022 22:00	1.7	210	38	2.9	0
27/09/2022 22:10	1.7	208	44	3.2	0
27/09/2022 22:20	1.1	203	75	2.3	0
27/09/2022 22:30	1.7	227	64	3.3	0
27/09/2022 22:40	1.3	205	62	2.6	0
27/09/2022 22:50	1.2	187	65	2.6	0
27/09/2022 23:00	1.6	184	51	3.1	0
27/09/2022 23:10	1.5	235	66	3	0
27/09/2022 23:20	1.7	243	46	3.1	0
27/09/2022 23:30	1.8	273	36	3.2	0
27/09/2022 23:40	1.2	294	74	2.6	0
27/09/2022 23:50	1.2	297	54	2	0
28/09/2022 00:00	2	286	24	3.4	0
28/09/2022 00:10	1.6	276	45	3.1	0
28/09/2022 00:20	1.6	280	54	3.3	0
28/09/2022 00:30	2	271	32	3.8	0
28/09/2022 00:40	2.2	277	27	3.6	0
28/09/2022 00:50	2.2	264	34	4	0
28/09/2022 01:00	1.9	258	47	4.3	0
28/09/2022 01:10	1.4	215	64	2.8	0
28/09/2022 01:20	1.3	257	66	2.8	0
28/09/2022 01:30	1.3	214	56	2.5	0
28/09/2022 01:40	1.5	267	44	3.1	0
28/09/2022 01:50	1.4	229	59	2.4	0
28/09/2022 02:00	2	203	42	3.6	0
28/09/2022 02:10	2.6	201	30	4.4	0
28/09/2022 02:20	2.1	208	38	4.2	0
28/09/2022 02:30	1.9	222	44	3.3	0
28/09/2022 02:40	2.1	201	37	3.8	0
28/09/2022 02:50	2.5	212	37	4.7	0
28/09/2022 03:00	3.4	210	29	5.9	0
28/09/2022 03:10	3	211	25	4.7	0
28/09/2022 03:20	2.4	249	28	4.6	0
28/09/2022 03:30	1.9	274	15	3.1	0
28/09/2022 03:40	1.3	226	36	2.3	0
28/09/2022 03:50	1.7	229	50	3.3	0
28/09/2022 04:00	1.8	284	18	2.4	0
28/09/2022 04:10	1.8	272	17	2.6	0
28/09/2022 04:20	1.5	284	14	2.2	0
28/09/2022 04:30	1.4	253	24	2.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/09/2022 04:40	1.5	251	31	2.2	0
28/09/2022 04:50	1.5	255	27	2.4	0
28/09/2022 05:00	1.4	270	18	2.4	0
28/09/2022 05:10	1.2	282	21	1.9	0
28/09/2022 05:20	1.4	293	8	1.7	0
28/09/2022 05:30	1.3	285	14	1.7	0
28/09/2022 05:40	0.5	231	26	1	0
28/09/2022 05:50	1.1	254	29	1.6	0
28/09/2022 06:00	0.7	96	22	1.4	0
28/09/2022 06:10	0.5	15	50	1	0
28/09/2022 06:20	0.3	114	30	0.8	0
28/09/2022 06:30	0.3	169	16	1	0
28/09/2022 06:40	0.2	38	9	0.8	0
28/09/2022 06:50	0.4	68	10	0.8	0
28/09/2022 07:00	0.3	38	25	1.3	0
28/09/2022 07:10	0.8	317	41	1.4	0
28/09/2022 07:20	0.9	85	64	1.8	0
28/09/2022 07:30	0.9	25	44	2	0
28/09/2022 07:40	1.7	113	34	2.6	0
28/09/2022 07:50	2.3	132	30	3.6	0
28/09/2022 08:00	2.6	117	27	4.5	0
28/09/2022 08:10	2.7	115	22	4.1	0
28/09/2022 08:20	2.7	115	17	4	0
28/09/2022 08:30	2.8	127	18	4.4	0
28/09/2022 08:40	2.6	120	16	3.9	0
28/09/2022 08:50	2.6	110	17	3.9	0
28/09/2022 09:00	2.8	98	18	4	0
28/09/2022 09:10	2.9	82	20	4.3	0
28/09/2022 09:20	3.5	81	14	5.3	0
28/09/2022 09:30	4.2	82	13	5.6	0
28/09/2022 09:40	4.4	82	13	6.2	0
28/09/2022 09:50	4.2	87	15	6.1	0
28/09/2022 10:00	4.1	87	15	5.8	0
28/09/2022 10:10	4.1	83	14	5.5	0
28/09/2022 10:20	4.1	84	14	6.1	0
28/09/2022 10:30	4.2	87	16	6.6	0
28/09/2022 10:40	4.1	89	14	5.5	0
28/09/2022 10:50	3.8	92	15	5.6	0
28/09/2022 11:00	3.7	93	15	5.5	0
28/09/2022 11:10	3.2	83	20	4.8	0
28/09/2022 11:20	3.2	71	13	4.5	0
28/09/2022 11:30	2.6	69	18	3.8	0
28/09/2022 11:40	3.5	50	9	4.4	0
28/09/2022 11:50	3.2	62	13	4	0
28/09/2022 12:00	3	54	13	4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/09/2022 12:10	3.5	41	12	4.5	0
28/09/2022 12:20	3.9	43	11	5	0
28/09/2022 12:30	3.2	49	15	4.3	0
28/09/2022 12:40	2.9	46	17	4.3	0
28/09/2022 12:50	2.8	53	16	3.6	0
28/09/2022 13:00	2.9	49	17	4	0
28/09/2022 13:10	3.1	57	16	4.1	0
28/09/2022 13:20	3.5	66	10	4.7	0
28/09/2022 13:30	3.3	57	12	4.4	0
28/09/2022 13:40	3.1	67	14	3.9	0
28/09/2022 13:50	3	66	14	3.9	0
28/09/2022 14:00	2.8	70	18	4	0
28/09/2022 14:10	2.6	64	18	4.2	0
28/09/2022 14:20	2.8	59	17	3.7	0
28/09/2022 14:30	3	57	12	4	0
28/09/2022 14:40	3.2	65	12	4.2	0
28/09/2022 14:50	3.4	65	14	4.4	0
28/09/2022 15:00	3	57	14	3.9	0
28/09/2022 15:10	2.7	42	20	4	0
28/09/2022 15:20	3.1	19	22	4.8	0
28/09/2022 15:30	3.8	181	17	5.2	0
28/09/2022 15:40	4	339	17	5.4	0
28/09/2022 15:50	3.6	347	15	5.2	0
28/09/2022 16:00	3.5	335	15	4.8	0
28/09/2022 16:10	3.6	344	15	5.1	0
28/09/2022 16:20	3.7	336	16	5.2	0
28/09/2022 16:30	3.4	341	16	5.4	0
28/09/2022 16:40	3.6	339	14	5.3	0
28/09/2022 16:50	2.9	331	14	5	0
28/09/2022 17:00	3.5	335	14	4.4	0
28/09/2022 17:10	3.2	323	14	4.4	0
28/09/2022 17:20	2.6	318	14	4	0
28/09/2022 17:30	2.5	293	20	3.6	0
28/09/2022 17:40	2.6	298	15	3.8	0
28/09/2022 17:50	2.3	307	16	3.6	0
28/09/2022 18:00	2.3	286	21	3.4	0
28/09/2022 18:10	2.3	274	16	3.3	0
28/09/2022 18:20	1.9	266	24	2.8	0
28/09/2022 18:30	2	241	30	3.4	0
28/09/2022 18:40	1.6	222	26	2.8	0
28/09/2022 18:50	2	211	29	3.5	0
28/09/2022 19:00	2.3	213	28	3.6	0
28/09/2022 19:10	2.4	211	23	4	0
28/09/2022 19:20	2.4	215	23	4	0
28/09/2022 19:30	2.1	224	28	3.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/09/2022 19:40	2.2	263	23	4	0
28/09/2022 19:50	2.4	254	24	3.4	0
28/09/2022 20:00	2.2	272	29	4.1	0
28/09/2022 20:10	1.9	290	25	3.2	0
28/09/2022 20:20	2.1	271	28	3.6	0
28/09/2022 20:30	2.1	240	30	3.4	0
28/09/2022 20:40	2	249	26	3.5	0
28/09/2022 20:50	2.3	259	25	3.6	0
28/09/2022 21:00	2.2	266	20	3.2	0
28/09/2022 21:10	2.1	268	18	3.2	0
28/09/2022 21:20	1.8	268	24	3	0
28/09/2022 21:30	2.1	268	23	3.2	0
28/09/2022 21:40	1.6	266	46	2.5	0
28/09/2022 21:50	1.4	261	48	2.6	0
28/09/2022 22:00	1.6	250	44	2.9	0
28/09/2022 22:10	1.8	268	47	3.4	0
28/09/2022 22:20	2.1	276	19	3.3	0
28/09/2022 22:30	1.6	262	38	3.1	0
28/09/2022 22:40	1.4	270	48	2.9	0
28/09/2022 22:50	1.5	256	41	2.5	0
28/09/2022 23:00	1.7	274	31	2.9	0
28/09/2022 23:10	1.3	263	48	2.9	0
28/09/2022 23:20	1.4	261	48	2.6	0
28/09/2022 23:30	1.2	234	49	2.7	0
28/09/2022 23:40	1.3	214	45	2.4	0
28/09/2022 23:50	1.5	214	52	2.4	0
29/09/2022 00:00	1.5	189	30	2.6	0
29/09/2022 00:10	1.3	200	48	2.3	0
29/09/2022 00:20	1.3	201	40	2.3	0
29/09/2022 00:30	1.2	268	62	2.3	0
29/09/2022 00:40	0.9	252	68	2.2	0
29/09/2022 00:50	1	209	66	1.8	0
29/09/2022 01:00	1.3	266	38	2.4	0
29/09/2022 01:10	1.4	273	38	2.8	0
29/09/2022 01:20	0.8	287	51	1.7	0
29/09/2022 01:30	0.8	252	47	1.6	0
29/09/2022 01:40	1.4	215	41	2.5	0
29/09/2022 01:50	1.2	222	46	2.2	0
29/09/2022 02:00	0.9	187	61	1.7	0
29/09/2022 02:10	0.9	227	44	1.7	0
29/09/2022 02:20	0.8	275	57	2.4	0
29/09/2022 02:30	0.6	312	73	1.8	0
29/09/2022 02:40	1.1	281	52	2.4	0
29/09/2022 02:50	0.8	192	61	1.7	0
29/09/2022 03:00	1	135	76	2.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/09/2022 03:10	1.2	210	53	2.8	0
29/09/2022 03:20	1.3	233	61	3.2	0
29/09/2022 03:30	1	195	57	2.4	0
29/09/2022 03:40	0.9	236	59	2	0
29/09/2022 03:50	0.9	232	60	1.9	0
29/09/2022 04:00	0.9	206	58	2.2	0
29/09/2022 04:10	1.2	270	54	2.5	0
29/09/2022 04:20	1	146	91	2.2	0
29/09/2022 04:30	1.1	249	44	2	0
29/09/2022 04:40	1.1	260	54	2.8	0
29/09/2022 04:50	0.7	270	67	1.7	0
29/09/2022 05:00	0.6	220	77	1.2	0
29/09/2022 05:10	1.1	297	45	1.9	0
29/09/2022 05:20	1	303	25	1.6	0
29/09/2022 05:30	1	162	13	1.6	0
29/09/2022 05:40	1.4	307	11	1.8	0
29/09/2022 05:50	1.1	313	15	1.4	0
29/09/2022 06:00	1.2	311	18	1.6	0
29/09/2022 06:10	1.1	303	9	1.6	0
29/09/2022 06:20	0.4	279	24	1.5	0
29/09/2022 06:30	1	253	29	1.6	0
29/09/2022 06:40	0.6	235	28	1.5	0
29/09/2022 06:50	1.1	259	33	2.1	0
29/09/2022 07:00	1	268	39	1.8	0
29/09/2022 07:10	1.4	296	22	2.4	0
29/09/2022 07:20	2.3	262	20	3.2	0
29/09/2022 07:30	2.6	274	22	3.9	0
29/09/2022 07:40	3.1	278	21	5	0
29/09/2022 07:50	2.7	273	24	4.4	0
29/09/2022 08:00	3	277	24	5.2	0
29/09/2022 08:10	3.1	288	23	4.8	0
29/09/2022 08:20	3.2	280	27	5.3	0
29/09/2022 08:30	2.9	283	25	4.7	0
29/09/2022 08:40	3.1	275	26	4.3	0
29/09/2022 08:50	3	267	31	5.1	0
29/09/2022 09:00	2.9	265	28	4.7	0
29/09/2022 09:10	2.7	268	25	4.1	0
29/09/2022 09:20	2.7	268	27	4.3	0
29/09/2022 09:30	2.8	262	28	4.4	0
29/09/2022 09:40	2.5	258	29	4.2	0
29/09/2022 09:50	2.5	264	34	4.2	0
29/09/2022 10:00	3.2	280	23	5.1	0
29/09/2022 10:10	3.7	286	25	5.9	0
29/09/2022 10:20	3.3	287	25	5.2	0
29/09/2022 10:30	3.3	279	28	4.7	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/09/2022 10:40	3.6	282	30	5.7	0
29/09/2022 10:50	3.3	281	25	5.6	0
29/09/2022 11:00	3.4	269	26	5.6	0
29/09/2022 11:10	3.6	282	28	5.8	0
29/09/2022 11:20	3.7	267	20	6	0
29/09/2022 11:30	4	271	23	5.9	0
29/09/2022 11:40	3.7	268	23	6	0
29/09/2022 11:50	3.8	275	25	6.2	0
29/09/2022 12:00	3.5	274	30	5.9	0
29/09/2022 12:10	3.8	268	25	6.4	0
29/09/2022 12:20	3.9	271	25	5.4	0
29/09/2022 12:30	3.6	275	24	5.4	0
29/09/2022 12:40	3.8	263	24	5.9	0
29/09/2022 12:50	4.1	309	21	7	0
29/09/2022 13:00	4.5	302	16	6.6	0
29/09/2022 13:10	4.2	298	22	6.4	0
29/09/2022 13:20	4.1	297	21	6.3	0
29/09/2022 13:30	4.1	304	23	6.8	0
29/09/2022 13:40	3.7	303	25	5.9	0
29/09/2022 13:50	4.3	317	25	7	0
29/09/2022 14:00	4.7	304	20	7.6	0
29/09/2022 14:10	4.7	302	21	7.1	0
29/09/2022 14:20	4.4	283	27	8.1	0
29/09/2022 14:30	4.2	276	22	7	0
29/09/2022 14:40	4.1	280	22	6.5	0
29/09/2022 14:50	3.7	273	31	6.8	0
29/09/2022 15:00	3.6	257	35	6.6	0
29/09/2022 15:10	3.9	275	30	6	0
29/09/2022 15:20	3.9	282	31	6.3	0
29/09/2022 15:30	3.8	273	22	6.4	0
29/09/2022 15:40	4.1	278	27	6.7	0
29/09/2022 15:50	4.4	283	20	6.4	0
29/09/2022 16:00	3.8	270	26	6.3	0
29/09/2022 16:10	3.8	269	32	6.8	0
29/09/2022 16:20	4.2	269	26	7.3	0
29/09/2022 16:30	3.9	268	37	7	0
29/09/2022 16:40	3.4	274	34	6	0
29/09/2022 16:50	3.8	272	24	6.9	0
29/09/2022 17:00	3.4	263	33	5.8	0
29/09/2022 17:10	3.5	271	29	6	0
29/09/2022 17:20	2.8	274	36	5.4	0
29/09/2022 17:30	3.5	275	24	5.6	0
29/09/2022 17:40	2.9	270	35	4.8	0
29/09/2022 17:50	3.4	273	33	6	0
29/09/2022 18:00	3.3	269	28	5.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/09/2022 18:10	3.2	268	24	4.9	0
29/09/2022 18:20	3.1	273	27	5.1	0
29/09/2022 18:30	2.9	278	22	4.5	0
29/09/2022 18:40	3.1	270	21	4.8	0
29/09/2022 18:50	3	280	22	5	0
29/09/2022 19:00	3	283	23	4.7	0
29/09/2022 19:10	2.8	277	23	4.7	0
29/09/2022 19:20	2.8	274	31	5	0
29/09/2022 19:30	2.3	273	25	3.7	0
29/09/2022 19:40	2.7	277	21	4.3	0
29/09/2022 19:50	2.2	281	22	4.2	0
29/09/2022 20:00	2.5	270	31	4	0
29/09/2022 20:10	2.3	277	26	3.8	0
29/09/2022 20:20	2.2	279	29	3.6	0
29/09/2022 20:30	2.3	293	24	3.7	0
29/09/2022 20:40	2.8	290	23	4.4	0
29/09/2022 20:50	2.5	285	24	3.9	0
29/09/2022 21:00	2.3	273	31	4	0
29/09/2022 21:10	2.4	280	21	3.5	0
29/09/2022 21:20	2	283	22	3.2	0
29/09/2022 21:30	1.9	272	30	3.4	0
29/09/2022 21:40	2.2	272	30	3.8	0
29/09/2022 21:50	2.1	270	29	3.6	0
29/09/2022 22:00	2.2	275	25	4.1	0
29/09/2022 22:10	2.1	276	22	3.4	0
29/09/2022 22:20	2.1	278	23	3.5	0
29/09/2022 22:30	2.2	278	26	4	0
29/09/2022 22:40	2.2	279	25	3.7	0
29/09/2022 22:50	2	279	26	3.5	0
29/09/2022 23:00	2.2	262	29	4	0
29/09/2022 23:10	2.5	265	24	4	0
29/09/2022 23:20	2.5	274	24	4	0
29/09/2022 23:30	2	279	28	3.2	0
29/09/2022 23:40	2.1	287	22	3.5	0
29/09/2022 23:50	2	272	29	3.5	0
30/09/2022 00:00	1.7	278	30	3	0
30/09/2022 00:10	1.5	274	47	3	0
30/09/2022 00:20	1.8	252	43	3.6	0
30/09/2022 00:30	1.5	266	29	2.8	0
30/09/2022 00:40	1.2	277	32	2.8	0
30/09/2022 00:50	1.6	281	28	2.9	0
30/09/2022 01:00	1.9	276	30	3.3	0
30/09/2022 01:10	2.2	303	23	3.4	0
30/09/2022 01:20	2.1	286	24	3.5	0
30/09/2022 01:30	2	294	27	3.6	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/09/2022 01:40	1.7	285	30	3.3	0
30/09/2022 01:50	1.4	308	29	2.5	0
30/09/2022 02:00	2.3	305	21	3.4	0
30/09/2022 02:10	2.5	303	23	3.9	0
30/09/2022 02:20	1.9	310	21	3.2	0
30/09/2022 02:30	1.9	299	24	3	0
30/09/2022 02:40	1.6	287	35	2.5	0
30/09/2022 02:50	1.6	307	24	3.1	0
30/09/2022 03:00	1.9	323	18	2.8	0
30/09/2022 03:10	2.1	315	19	3.7	0
30/09/2022 03:20	2.3	321	19	4	0
30/09/2022 03:30	3.7	330	14	5.6	0
30/09/2022 03:40	3.6	329	12	5.2	0
30/09/2022 03:50	3.6	332	12	4.8	0
30/09/2022 04:00	3	333	15	4.4	0
30/09/2022 04:10	2.8	326	18	3.8	0
30/09/2022 04:20	2.5	320	20	4.1	0
30/09/2022 04:30	2.6	329	15	3.8	0
30/09/2022 04:40	2.9	327	15	4.1	0
30/09/2022 04:50	3.3	327	13	4.6	0
30/09/2022 05:00	3.3	326	12	4.6	0
30/09/2022 05:10	3.3	324	13	4.9	0
30/09/2022 05:20	2.8	325	16	3.8	0
30/09/2022 05:30	2.8	330	13	4.2	0
30/09/2022 05:40	3.3	328	14	4.6	0
30/09/2022 05:50	2.5	318	20	3.7	0
30/09/2022 06:00	2.2	314	21	3.5	0
30/09/2022 06:10	3.1	323	16	4.5	0
30/09/2022 06:20	2.6	315	22	4.4	0
30/09/2022 06:30	2.8	324	17	4.4	0
30/09/2022 06:40	3.6	328	12	5.5	0
30/09/2022 06:50	3.6	326	13	5.1	0
30/09/2022 07:00	3.5	323	15	4.9	0
30/09/2022 07:10	2.9	317	20	4.5	0
30/09/2022 07:20	3.3	294	22	5	0
30/09/2022 07:30	2.7	285	24	4.4	0
30/09/2022 07:40	3.3	285	22	4.8	0
30/09/2022 07:50	2.6	270	24	4.1	0
30/09/2022 08:00	2	285	26	3.7	0
30/09/2022 08:10	2.7	291	28	4.6	0
30/09/2022 08:20	3.4	314	18	5.2	0
30/09/2022 08:30	3.6	329	15	5.9	0
30/09/2022 08:40	4.2	325	14	6.4	0
30/09/2022 08:50	4.1	318	19	5.9	0
30/09/2022 09:00	2.7	294	25	4.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/09/2022 09:10	2.9	275	36	4.7	0
30/09/2022 09:20	3	272	25	4.8	0
30/09/2022 09:30	2.5	272	26	4	0
30/09/2022 09:40	2.7	285	30	4.9	0
30/09/2022 09:50	2.8	298	27	4.6	0
30/09/2022 10:00	2.6	286	28	4.6	0
30/09/2022 10:10	2.7	283	21	3.8	0
30/09/2022 10:20	2.6	287	22	4.5	0
30/09/2022 10:30	2.6	303	29	4.2	0
30/09/2022 10:40	3	310	27	4.8	0
30/09/2022 10:50	2.8	309	24	4.5	0
30/09/2022 11:00	3.1	317	21	5.4	0
30/09/2022 11:10	3.4	322	26	5.3	0
30/09/2022 11:20	3.9	322	19	5.8	0
30/09/2022 11:30	4.2	327	16	6	0
30/09/2022 11:40	4.5	332	17	6.4	0
30/09/2022 11:50	4	317	19	5.8	0
30/09/2022 12:00	5	330	13	6.9	0
30/09/2022 12:10	4.8	330	16	7.2	0
30/09/2022 12:20	4.7	330	18	7.2	0
30/09/2022 12:30	4.4	323	19	7.2	0
30/09/2022 12:40	6.1	341	13	8.4	0
30/09/2022 12:50	5.4	337	15	8.1	0
30/09/2022 13:00	6.1	342	12	8	0
30/09/2022 13:10	5.3	334	14	7.6	0
30/09/2022 13:20	5.6	337	16	7.8	0
30/09/2022 13:30	6.5	336	13	8.8	0
30/09/2022 13:40	5.6	329	18	8.1	0
30/09/2022 13:50	6	334	16	8.5	0
30/09/2022 14:00	5.6	326	16	7.7	0
30/09/2022 14:10	5.6	328	16	7.9	0
30/09/2022 14:20	5.1	322	20	7.8	0
30/09/2022 14:30	5.7	329	17	8.2	0
30/09/2022 14:40	4.6	317	22	6.9	0
30/09/2022 14:50	4.4	305	26	7.5	0
30/09/2022 15:00	4.4	296	24	6.8	0
30/09/2022 15:10	4.6	291	27	7.7	0
30/09/2022 15:20	4.5	287	24	7.2	0
30/09/2022 15:30	3.8	286	33	6.5	0
30/09/2022 15:40	4.5	287	23	6.9	0
30/09/2022 15:50	4.5	288	24	7.5	0
30/09/2022 16:00	4.8	302	21	7.8	0
30/09/2022 16:10	4.7	301	22	7.1	0
30/09/2022 16:20	4.6	300	22	7.1	0
30/09/2022 16:30	4.8	298	18	7.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/09/2022 16:40	4.5	305	21	7.4	0
30/09/2022 16:50	5.2	305	19	7.2	0
30/09/2022 17:00	4.2	296	21	7.5	0
30/09/2022 17:10	4.4	299	24	7.1	0
30/09/2022 17:20	4.6	301	21	6.8	0
30/09/2022 17:30	4.3	301	22	7.5	0
30/09/2022 17:40	4.2	298	25	7.3	0
30/09/2022 17:50	4	293	23	6.8	0
30/09/2022 18:00	4	291	20	6.6	0
30/09/2022 18:10	3.2	283	25	6	0
30/09/2022 18:20	2.7	273	33	4.8	0
30/09/2022 18:30	2.8	277	23	4.3	0
30/09/2022 18:40	2.9	275	31	4.8	0
30/09/2022 18:50	2.8	272	27	4.9	0
30/09/2022 19:00	2.6	283	22	4.4	0
30/09/2022 19:10	2.9	266	27	4.6	0
30/09/2022 19:20	2.9	270	32	5	0
30/09/2022 19:30	3	267	27	5.2	0
30/09/2022 19:40	2.7	277	28	5.3	0
30/09/2022 19:50	2.7	277	28	4.4	0
30/09/2022 20:00	2.5	265	43	4.5	0
30/09/2022 20:10	3	268	32	5.2	0
30/09/2022 20:20	3	269	30	4.9	0
30/09/2022 20:30	3.2	266	31	5	0
30/09/2022 20:40	2.7	274	26	4.5	0
30/09/2022 20:50	2.4	277	29	4.2	0
30/09/2022 21:00	2.8	266	24	4.3	0
30/09/2022 21:10	2.9	266	28	4.8	0
30/09/2022 21:20	2.9	269	24	4.4	0
30/09/2022 21:30	2.7	272	29	5.2	0
30/09/2022 21:40	2.6	268	36	4.8	0
30/09/2022 21:50	2.1	269	36	3.6	0
30/09/2022 22:00	2.5	272	33	4.8	0
30/09/2022 22:10	2.5	268	25	4.5	0
30/09/2022 22:20	2.5	262	37	4.6	0
30/09/2022 22:30	2.4	264	30	4	0
30/09/2022 22:40	2.7	265	25	4.6	0
30/09/2022 22:50	2.6	275	24	4.3	0
30/09/2022 23:00	2.5	279	28	4.2	0
30/09/2022 23:10	2.6	261	27	4.1	0
30/09/2022 23:20	2.1	239	51	4	0
30/09/2022 23:30	1.7	223	67	3.6	0
30/09/2022 23:40	2	272	62	4.8	0
30/09/2022 23:50	1.8	225	60	4	0
10/01/2022 00:00	1.6	263	68	3.4	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/01/2022 00:10	1.3	215	59	2.7	0
10/01/2022 00:20	1.7	279	65	4	0
10/01/2022 00:30	1.4	231	88	3.5	0
10/01/2022 00:40	1.4	241	62	2.6	0
10/01/2022 00:50	2.1	257	39	3.6	0
10/01/2022 01:00	2.3	258	39	4.4	0
10/01/2022 01:10	1.8	277	41	3.8	0
10/01/2022 01:20	1.6	274	34	2.9	0
10/01/2022 01:30	1.6	259	37	2.7	0
10/01/2022 01:40	0.8	192	72	1.8	0
10/01/2022 01:50	1.1	204	47	1.9	0
10/01/2022 02:00	0.9	240	46	1.4	0
10/01/2022 02:10	1.4	280	50	2.8	0
10/01/2022 02:20	1.5	289	28	2.5	0
10/01/2022 02:30	1.7	282	20	2.8	0
10/01/2022 02:40	1.3	272	28	2.4	0
10/01/2022 02:50	1.3	256	35	2.4	0
10/01/2022 03:00	0.9	226	43	1.9	0
10/01/2022 03:10	0.8	213	44	1.7	0
10/01/2022 03:20	0.7	199	47	1.3	0
10/01/2022 03:30	1	232	33	2	0
10/01/2022 03:40	0.9	252	48	2	0
10/01/2022 03:50	1	234	56	2.3	0
10/01/2022 04:00	1.3	260	45	2.6	0
10/01/2022 04:10	0.9	240	58	2.2	0
10/01/2022 04:20	1.5	265	30	2.5	0
10/01/2022 04:30	1.3	242	39	2.4	0
10/01/2022 04:40	0.9	250	41	1.7	0
10/01/2022 04:50	1.2	246	34	2.1	0
10/01/2022 05:00	1.5	247	31	2.4	0
10/01/2022 05:10	1.2	226	49	2	0
10/01/2022 05:20	1	206	41	1.5	0
10/01/2022 05:30	0.7	234	52	1.5	0
10/01/2022 05:40	1.1	226	56	2.8	0
10/01/2022 05:50	1	212	62	2	0
10/01/2022 06:00	1.3	243	49	2.3	0
10/01/2022 06:10	1.2	248	49	1.9	0
10/01/2022 06:20	0.9	226	62	1.6	0
10/01/2022 06:30	1.1	247	49	2.1	0
10/01/2022 06:40	1.2	275	42	2.4	0
10/01/2022 06:50	1.5	263	34	3	0
10/01/2022 07:00	1.9	276	21	3	0
10/01/2022 07:10	2.4	287	26	3.6	0
10/01/2022 07:20	2.3	292	28	3.7	0
10/01/2022 07:30	2.3	275	28	3.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/01/2022 07:40	2.6	288	23	4.3	0
10/01/2022 07:50	2.1	274	24	3.6	0
10/01/2022 08:00	2.2	264	37	3.6	0
10/01/2022 08:10	2.4	282	28	3.8	0
10/01/2022 08:20	2.6	276	26	4.4	0
10/01/2022 08:30	2.7	271	30	5	0
10/01/2022 08:40	2.5	271	29	4.7	0
10/01/2022 08:50	2.2	275	41	4.1	0
10/01/2022 09:00	3.1	286	25	4.7	0
10/01/2022 09:10	2.7	266	33	4.4	0
10/01/2022 09:20	2.5	265	26	4.3	0
10/01/2022 09:30	2.5	281	27	4.1	0
10/01/2022 09:40	2.4	297	30	4.3	0
10/01/2022 09:50	2.1	269	38	4	0
10/01/2022 10:00	2.5	264	32	4.3	0
10/01/2022 10:10	2.3	314	31	4.6	0
10/01/2022 10:20	3.7	334	20	7	0
10/01/2022 10:30	2.9	313	27	5.1	0
10/01/2022 10:40	3.5	329	20	5.8	0
10/01/2022 10:50	4.4	328	18	7.1	0
10/01/2022 11:00	4.7	336	20	6.8	0
10/01/2022 11:10	5.3	335	13	7.2	0
10/01/2022 11:20	4.7	354	17	7	0
10/01/2022 11:30	4.7	346	16	6.4	0
10/01/2022 11:40	3.9	324	20	6.5	0
10/01/2022 11:50	4.8	335	19	6.8	0
10/01/2022 12:00	5	332	16	7.2	0
10/01/2022 12:10	5	348	16	6.8	0
10/01/2022 12:20	4.9	335	18	7.3	0
10/01/2022 12:30	5.4	342	16	7.2	0
10/01/2022 12:40	4.5	319	19	6.8	0
10/01/2022 12:50	4.6	321	20	7.2	0
10/01/2022 13:00	3.7	298	24	5.8	0
10/01/2022 13:10	3.6	283	25	5.7	0
10/01/2022 13:20	3.8	278	23	5.6	0
10/01/2022 13:30	4.1	307	21	5.7	0
10/01/2022 13:40	4.7	325	16	7.1	0
10/01/2022 13:50	3.9	313	27	7.1	0
10/01/2022 14:00	4.3	325	19	6.9	0
10/01/2022 14:10	5	326	19	7.2	0
10/01/2022 14:20	5	324	17	7.5	0
10/01/2022 14:30	5.5	325	12	7.6	0
10/01/2022 14:40	4.9	326	14	6.5	0
10/01/2022 14:50	4.3	318	20	6.8	0
10/01/2022 15:00	4.4	321	19	6.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/01/2022 15:10	3.6	299	22	5.9	0
10/01/2022 15:20	4.5	297	21	6.8	0
10/01/2022 15:30	4.2	310	21	6.8	0
10/01/2022 15:40	5.1	323	15	7.5	0
10/01/2022 15:50	4.1	314	18	6.5	0
10/01/2022 16:00	3.8	302	24	6.3	0
10/01/2022 16:10	4.1	298	23	6.4	0
10/01/2022 16:20	4.7	306	21	7.2	0
10/01/2022 16:30	4.8	304	18	7.3	0
10/01/2022 16:40	4.7	302	17	6.6	0
10/01/2022 16:50	4.8	298	20	7.2	0
10/01/2022 17:00	4	297	25	6.8	0
10/01/2022 17:10	4.3	297	22	6.7	0
10/01/2022 17:20	4.4	295	25	7	0
10/01/2022 17:30	5.2	303	18	7.8	0
10/01/2022 17:40	4.2	315	21	6.5	0
10/01/2022 17:50	4.3	310	24	7.4	0
10/01/2022 18:00	4.6	304	18	7.4	0
10/01/2022 18:10	4.5	297	26	7.1	0
10/01/2022 18:20	4.4	304	21	7.1	0
10/01/2022 18:30	3.8	301	22	6.4	0
10/01/2022 18:40	3.6	285	23	6.1	0
10/01/2022 18:50	3.2	278	26	5.7	0
10/01/2022 19:00	3.3	291	23	5.4	0
10/01/2022 19:10	2.6	292	31	5.3	0
10/01/2022 19:20	2.6	287	26	5.2	0
10/01/2022 19:30	3	279	23	4.6	0
10/01/2022 19:40	2.9	268	26	4.7	0
10/01/2022 19:50	2.6	271	29	4.6	0
10/01/2022 20:00	2.5	272	27	4.5	0
10/01/2022 20:10	2.9	268	26	4.8	0
10/01/2022 20:20	2.7	277	23	4.4	0
10/01/2022 20:30	2.9	273	20	4.6	0
10/01/2022 20:40	2.1	277	30	3.4	0
10/01/2022 20:50	2.2	266	30	3.8	0
10/01/2022 21:00	2.7	268	37	4.6	0
10/01/2022 21:10	2.6	266	28	4.1	0
10/01/2022 21:20	2.4	271	41	4.2	0
10/01/2022 21:30	2.7	278	33	4.9	0
10/01/2022 21:40	3.2	274	33	5.9	0
10/01/2022 21:50	3	272	26	4.8	0
10/01/2022 22:00	3	270	27	5	0
10/01/2022 22:10	2.6	272	27	4.6	0
10/01/2022 22:20	3	272	28	4.7	0
10/01/2022 22:30	2.5	282	23	4.3	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/01/2022 22:40	2.7	285	20	4	0
10/01/2022 22:50	2.6	300	22	4.2	0
10/01/2022 23:00	2.7	294	20	4.5	0
10/01/2022 23:10	2.5	279	21	4.7	0
10/01/2022 23:20	2.7	284	29	4.4	0
10/01/2022 23:30	2.8	281	23	4.6	0
10/01/2022 23:40	2.6	286	27	4.2	0
10/01/2022 23:50	2.5	289	29	4.1	0
10/02/2022 00:00	2.2	297	28	3.8	0
10/02/2022 00:10	2.8	295	24	5.1	0
10/02/2022 00:20	2.6	303	22	4.7	0
10/02/2022 00:30	3.2	301	24	5.1	0
10/02/2022 00:40	3.4	304	17	5.2	0
10/02/2022 00:50	2.6	297	27	4.8	0
10/02/2022 01:00	2.9	283	22	4.4	0
10/02/2022 01:10	2.8	288	25	4.2	0
10/02/2022 01:20	3.1	282	19	5.4	0
10/02/2022 01:30	3.4	287	22	5.8	0
10/02/2022 01:40	2.8	295	26	5	0
10/02/2022 01:50	3.1	282	23	4.8	0
10/02/2022 02:00	3.1	282	19	5.6	0
10/02/2022 02:10	2.9	289	30	4.8	0
10/02/2022 02:20	3.2	281	24	5.2	0
10/02/2022 02:30	3.1	273	25	5.2	0
10/02/2022 02:40	3	275	22	4.9	0
10/02/2022 02:50	2.9	279	22	4.5	0
10/02/2022 03:00	2.6	281	27	4.5	0
10/02/2022 03:10	2.5	284	25	4.1	0
10/02/2022 03:20	2.2	278	24	3.6	0
10/02/2022 03:30	2.5	279	26	3.9	0
10/02/2022 03:40	2.2	285	23	3.8	0
10/02/2022 03:50	2.3	272	26	4.7	0
10/02/2022 04:00	2.4	271	20	4	0
10/02/2022 04:10	2.1	278	24	3.2	0
10/02/2022 04:20	1.8	272	22	3.3	0
10/02/2022 04:30	1.8	268	25	2.9	0
10/02/2022 04:40	1.2	256	46	2.2	0
10/02/2022 04:50	1.3	268	23	2.4	0
10/02/2022 05:00	1.2	259	25	2.5	0
10/02/2022 05:10	0.9	241	28	1.9	0
10/02/2022 05:20	0.6	204	29	1.2	0
10/02/2022 05:30	0.5	252	31	1.7	0
10/02/2022 05:40	0.2	216	10	1.1	0
10/02/2022 05:50	0.1	227	8	0.6	0
10/02/2022 06:00	0.4	256	17	0.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/02/2022 06:10	0.7	212	22	1.2	0
10/02/2022 06:20	1.4	199	9	2	0
10/02/2022 06:30	1.5	212	16	2	0
10/02/2022 06:40	2.3	205	11	3.2	0
10/02/2022 06:50	3	197	12	4	0
10/02/2022 07:00	3.5	204	11	4.4	0
10/02/2022 07:10	3	206	14	3.9	0
10/02/2022 07:20	3.2	199	12	4.4	0
10/02/2022 07:30	3	204	14	4.3	0
10/02/2022 07:40	2.9	198	18	4.1	0
10/02/2022 07:50	3.9	201	13	5.4	0
10/02/2022 08:00	4.4	197	12	6.3	0
10/02/2022 08:10	4.1	197	12	5.6	0
10/02/2022 08:20	3.4	206	15	4.4	0
10/02/2022 08:30	3.2	203	16	4.9	0
10/02/2022 08:40	3.2	206	16	4.4	0
10/02/2022 08:50	3.4	199	13	4.9	0
10/02/2022 09:00	3.4	202	17	5.1	0
10/02/2022 09:10	3	197	15	4.4	0
10/02/2022 09:20	2.8	203	18	4.4	0
10/02/2022 09:30	2.7	197	22	4.1	0
10/02/2022 09:40	2.7	188	21	4.4	0
10/02/2022 09:50	2.2	194	26	3.5	0
10/02/2022 10:00	2.3	177	25	4	0
10/02/2022 10:10	2.2	190	33	3.9	0
10/02/2022 10:20	2.5	211	29	4.4	0
10/02/2022 10:30	2.8	184	22	4.4	0
10/02/2022 10:40	3.2	181	18	4.6	0
10/02/2022 10:50	2.8	205	34	4.8	0
10/02/2022 11:00	3.9	197	18	6	0
10/02/2022 11:10	3.5	199	18	6	0
10/02/2022 11:20	2.8	230	34	5.1	0
10/02/2022 11:30	2.8	261	33	5	0
10/02/2022 11:40	3.6	274	25	6	0
10/02/2022 11:50	3.7	278	25	5.5	0
10/02/2022 12:00	3.6	272	34	6	0
10/02/2022 12:10	3.5	268	30	5.7	0
10/02/2022 12:20	4.2	284	24	6.5	0
10/02/2022 12:30	3.8	275	28	6.7	0
10/02/2022 12:40	4.7	321	20	7	0
10/02/2022 12:50	3.8	280	27	6.7	0
10/02/2022 13:00	4.7	281	20	7.7	0
10/02/2022 13:10	4.3	278	23	7.5	0
10/02/2022 13:20	4.3	275	20	6.8	0
10/02/2022 13:30	4.4	276	23	7.5	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/02/2022 13:40	5.2	282	22	8.4	0
10/02/2022 13:50	4.9	272	21	8	0
10/02/2022 14:00	4.9	278	21	6.8	0
10/02/2022 14:10	4.5	279	24	6.4	0
10/02/2022 14:20	4.4	278	22	7.1	0
10/02/2022 14:30	4.7	267	29	8.2	0
10/02/2022 14:40	4.9	276	23	8.1	0
10/02/2022 14:50	4.5	284	22	7.7	0
10/02/2022 15:00	4.7	272	24	7.2	0
10/02/2022 15:10	4.7	272	22	7.7	0
10/02/2022 15:20	4.7	266	29	7.8	0
10/02/2022 15:30	4.3	268	25	6.7	0
10/02/2022 15:40	4.4	276	23	7.2	0
10/02/2022 15:50	4.7	268	23	7.1	0
10/02/2022 16:00	4	271	21	6.8	0
10/02/2022 16:10	3.8	271	24	6.3	0
10/02/2022 16:20	4.5	286	23	6.9	0
10/02/2022 16:30	3.9	269	30	7.2	0
10/02/2022 16:40	4.3	277	20	7	0
10/02/2022 16:50	4.1	275	29	6.4	0
10/02/2022 17:00	4.3	278	22	6.8	0
10/02/2022 17:10	4.6	266	23	7.6	0
10/02/2022 17:20	4.2	269	27	7.2	0
10/02/2022 17:30	3.7	268	25	5.7	0
10/02/2022 17:40	3.9	278	22	6	0
10/02/2022 17:50	3.8	271	24	6.3	0
10/02/2022 18:00	3.7	275	24	5.8	0
10/02/2022 18:10	3.9	269	25	6.8	0
10/02/2022 18:20	3.4	269	23	5	0
10/02/2022 18:30	4.2	270	22	7	0
10/02/2022 18:40	3.6	274	27	5.9	0
10/02/2022 18:50	3.4	270	24	5.6	0
10/02/2022 19:00	3.3	270	22	5.1	0
10/02/2022 19:10	3.3	265	31	6.2	0
10/02/2022 19:20	3.3	270	28	6.1	0
10/02/2022 19:30	3.2	272	29	5.2	0
10/02/2022 19:40	3.2	268	26	5.3	0
10/02/2022 19:50	3.3	272	23	5.5	0
10/02/2022 20:00	2.9	271	27	4.9	0
10/02/2022 20:10	3.1	274	20	4.8	0
10/02/2022 20:20	3.2	270	39	5.1	0
10/02/2022 20:30	3.3	277	26	6	0
10/02/2022 20:40	3.5	271	33	5.9	0
10/02/2022 20:50	2.8	268	43	5.3	0
10/02/2022 21:00	3	250	42	5.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/02/2022 21:10	2.7	268	62	5.4	0
10/02/2022 21:20	3.5	265	38	6.5	0
10/02/2022 21:30	3	279	35	5.2	0
10/02/2022 21:40	3.3	267	39	6.7	0
10/02/2022 21:50	2.5	245	48	5.1	0
10/02/2022 22:00	2.7	268	44	5.6	0
10/02/2022 22:10	2.8	259	39	5.2	0
10/02/2022 22:20	2.5	263	53	5	0
10/02/2022 22:30	2.5	266	52	5.6	0
10/02/2022 22:40	2.6	260	56	5.6	0
10/02/2022 22:50	2.2	240	57	5.1	0
10/02/2022 23:00	1.9	254	65	4.6	0
10/02/2022 23:10	2.5	247	41	5.1	0
10/02/2022 23:20	2.5	244	46	5.1	0
10/02/2022 23:30	2	232	54	4.6	0
10/02/2022 23:40	2.1	241	50	4	0
10/02/2022 23:50	2.2	226	54	4.4	0
10/03/2022 00:00	2	231	53	4.4	0
10/03/2022 00:10	1.9	244	58	3.5	0
10/03/2022 00:20	1.8	220	56	4	0
10/03/2022 00:30	1.9	218	59	3.4	0
10/03/2022 00:40	1.5	201	45	2.5	0
10/03/2022 00:50	1.6	237	56	2.9	0
10/03/2022 01:00	1.7	250	63	3.2	0
10/03/2022 01:10	1.8	225	51	3.4	0
10/03/2022 01:20	1.8	237	63	3.2	0
10/03/2022 01:30	1.5	234	65	3.2	0
10/03/2022 01:40	2	274	52	3.4	0
10/03/2022 01:50	1.6	257	57	3.4	0
10/03/2022 02:00	1.7	264	40	3.1	0
10/03/2022 02:10	1.5	242	65	2.7	0
10/03/2022 02:20	1.4	265	64	2.6	0
10/03/2022 02:30	1.3	289	56	2.8	0
10/03/2022 02:40	1.2	216	69	2.5	0
10/03/2022 02:50	1.2	252	83	2.5	0
10/03/2022 03:00	1.4	238	52	2.6	0
10/03/2022 03:10	1.4	176	42	2.4	0
10/03/2022 03:20	2.2	191	25	3.4	0
10/03/2022 03:30	2.9	194	19	4.7	0
10/03/2022 03:40	2.9	190	18	4.6	0
10/03/2022 03:50	2.7	199	22	4	0
10/03/2022 04:00	2.5	210	24	4.1	0
10/03/2022 04:10	2.4	222	27	4.4	0
10/03/2022 04:20	2.9	220	21	4.4	0
10/03/2022 04:30	3.8	206	15	5.4	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/03/2022 04:40	4.6	206	13	6.4	0
10/03/2022 04:50	4.9	205	12	6.4	0
10/03/2022 05:00	4.8	208	11	6.4	0
10/03/2022 05:10	5	205	11	6.5	0
10/03/2022 05:20	4.8	207	12	6.2	0
10/03/2022 05:30	4.9	206	11	6.5	0
10/03/2022 05:40	4.7	204	11	5.8	0
10/03/2022 05:50	4.7	199	12	6.5	0
10/03/2022 06:00	4.6	200	12	6.5	0
10/03/2022 06:10	4.6	198	12	6.2	0
10/03/2022 06:20	4.3	199	12	6.6	0
10/03/2022 06:30	4.1	197	11	5.8	0
10/03/2022 06:40	3.7	191	11	5.2	0
10/03/2022 06:50	3.9	190	13	5.7	0
10/03/2022 07:00	3.8	192	13	5.5	0
10/03/2022 07:10	3.6	188	13	5.4	0
10/03/2022 07:20	3.1	183	17	5.2	0
10/03/2022 07:30	2.3	169	22	3.4	0
10/03/2022 07:40	2.4	165	18	3.7	0
10/03/2022 07:50	2.2	180	26	3.4	0
10/03/2022 08:00	2.1	146	21	3.5	0
10/03/2022 08:10	2.4	131	23	3.6	0
10/03/2022 08:20	2.2	124	25	3.8	0
10/03/2022 08:30	1.8	95	24	2.8	0
10/03/2022 08:40	1.9	90	23	3.2	0
10/03/2022 08:50	2.2	91	25	3.2	0
10/03/2022 09:00	2.4	82	18	3.6	0
10/03/2022 09:10	2.2	62	18	3.2	0
10/03/2022 09:20	2.4	51	12	3.2	0
10/03/2022 09:30	2	47	18	3	0
10/03/2022 09:40	2	61	24	2.8	0
10/03/2022 09:50	1.9	63	18	2.9	0
10/03/2022 10:00	1.7	64	32	3	0
10/03/2022 10:10	2.3	47	22	3.2	0
10/03/2022 10:20	2.1	43	20	3.4	0
10/03/2022 10:30	2.7	40	19	4.1	0
10/03/2022 10:40	2.4	32	23	3.6	0
10/03/2022 10:50	2.7	39	23	3.6	0
10/03/2022 11:00	2.7	41	17	3.8	0
10/03/2022 11:10	2.6	60	18	3.6	0
10/03/2022 11:20	2.8	42	16	3.7	0
10/03/2022 11:30	2.7	47	18	3.6	0
10/03/2022 11:40	2.7	44	16	3.9	0
10/03/2022 11:50	3.7	48	12	5.6	0
10/03/2022 12:00	4.4	52	12	5.8	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/03/2022 12:10	4.3	56	12	6	0
10/03/2022 12:20	4	50	19	6.3	0
10/03/2022 12:30	4.6	54	13	6.2	0
10/03/2022 12:40	4	51	12	5.3	0
10/03/2022 12:50	3.2	35	23	5.6	0
10/03/2022 13:00	4.2	323	22	7.1	0
10/03/2022 13:10	4.4	334	17	7	0
10/03/2022 13:20	4.7	333	15	6.1	0
10/03/2022 13:30	5.3	333	17	7.5	0
10/03/2022 13:40	5.5	329	15	7.5	0
10/03/2022 13:50	6	329	14	8	0
10/03/2022 14:00	5.8	328	16	8.1	0
10/03/2022 14:10	5.5	323	17	9.1	0
10/03/2022 14:20	4.9	310	19	7.5	0
10/03/2022 14:30	4.7	290	23	7.2	0
10/03/2022 14:40	4.7	295	22	8.4	0
10/03/2022 14:50	4.4	307	20	6.6	0
10/03/2022 15:00	4.9	316	20	7.8	0
10/03/2022 15:10	5.4	323	17	7.5	0
10/03/2022 15:20	4.8	289	22	7.3	0
10/03/2022 15:30	5.5	300	17	8.3	0
10/03/2022 15:40	5.2	302	19	8.3	0
10/03/2022 15:50	5.2	310	19	7.9	0
10/03/2022 16:00	4.4	303	21	6.8	0
10/03/2022 16:10	4.6	300	25	7.6	0
10/03/2022 16:20	4.9	297	21	8.3	0
10/03/2022 16:30	4.2	297	22	6.4	0
10/03/2022 16:40	4.9	300	21	7.8	0
10/03/2022 16:50	4.4	309	25	7	0
10/03/2022 17:00	4.5	304	21	7.3	0
10/03/2022 17:10	4.3	310	21	7	0
10/03/2022 17:20	4.5	304	20	7.4	0
10/03/2022 17:30	4.3	306	18	7	0
10/03/2022 17:40	4.3	303	19	6.9	0
10/03/2022 17:50	4.3	301	19	6.4	0
10/03/2022 18:00	4.2	301	18	6	0
10/03/2022 18:10	3.8	296	21	6	0
10/03/2022 18:20	4.2	299	22	6.4	0
10/03/2022 18:30	3.9	302	21	6.3	0
10/03/2022 18:40	3.6	297	22	6	0
10/03/2022 18:50	3.4	290	25	5.5	0
10/03/2022 19:00	3.5	285	20	5.8	0
10/03/2022 19:10	3.1	275	23	5.2	0
10/03/2022 19:20	3.5	275	22	5.5	0
10/03/2022 19:30	3.1	275	27	5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/03/2022 19:40	2.9	273	25	5.3	0
10/03/2022 19:50	3	267	26	4.7	0
10/03/2022 20:00	3.2	267	28	5.5	0
10/03/2022 20:10	3.3	272	25	5.3	0
10/03/2022 20:20	3.1	264	23	4.9	0
10/03/2022 20:30	3.5	266	24	5.7	0
10/03/2022 20:40	3.2	268	28	5.1	0
10/03/2022 20:50	3	266	27	5.2	0
10/03/2022 21:00	3	270	23	5.3	0
10/03/2022 21:10	2.9	267	25	4.2	0
10/03/2022 21:20	3	269	28	4.7	0
10/03/2022 21:30	3.2	267	23	4.8	0
10/03/2022 21:40	3.7	269	23	5.5	0
10/03/2022 21:50	2.4	266	36	4.5	0
10/03/2022 22:00	3.1	271	25	5.2	0
10/03/2022 22:10	3	268	34	5	0
10/03/2022 22:20	2.9	271	42	5.1	0
10/03/2022 22:30	2.1	229	58	4.2	0
10/03/2022 22:40	2.4	266	48	4	0
10/03/2022 22:50	2.8	265	44	5.8	0
10/03/2022 23:00	2.2	257	56	4.7	0
10/03/2022 23:10	2.3	247	46	4.4	0
10/03/2022 23:20	2.2	244	57	4.6	0
10/03/2022 23:30	2.1	265	51	4.2	0
10/03/2022 23:40	2.4	269	35	4.3	0
10/03/2022 23:50	2.2	268	50	4.6	0
10/04/2022 00:00	2.2	259	54	4.3	0
10/04/2022 00:10	1.9	255	41	4.3	0
10/04/2022 00:20	1.9	251	47	3.2	0
10/04/2022 00:30	2.1	246	42	3.8	0
10/04/2022 00:40	2.3	257	28	4	0
10/04/2022 00:50	1.9	240	45	3.6	0
10/04/2022 01:00	1.5	245	50	2.9	0
10/04/2022 01:10	1.3	238	58	2.9	0
10/04/2022 01:20	1.7	265	33	3.6	0
10/04/2022 01:30	1.1	247	59	2.2	0
10/04/2022 01:40	1.3	238	68	3.1	0
10/04/2022 01:50	1.5	240	55	2.6	0
10/04/2022 02:00	1.3	247	48	2.2	0
10/04/2022 02:10	1.2	264	59	2.4	0
10/04/2022 02:20	1	256	50	2.2	0
10/04/2022 02:30	1	225	55	2.4	0
10/04/2022 02:40	1.3	199	44	2.3	0
10/04/2022 02:50	1.5	193	25	2.4	0
10/04/2022 03:00	1	186	36	2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/04/2022 03:10	1.2	224	50	2.4	0
10/04/2022 03:20	1.4	192	30	2.4	0
10/04/2022 03:30	1.3	186	28	2.4	0
10/04/2022 03:40	1.2	211	18	2.1	0
10/04/2022 03:50	1.2	217	35	2	0
10/04/2022 04:00	1.5	227	31	2.6	0
10/04/2022 04:10	2.1	218	21	3.2	0
10/04/2022 04:20	3.3	208	13	4.4	0
10/04/2022 04:30	3.6	199	10	5.1	0
10/04/2022 04:40	4	194	11	5.4	0
10/04/2022 04:50	4.6	197	10	6	0
10/04/2022 05:00	5.5	195	11	7.2	0
10/04/2022 05:10	5.6	193	12	7.5	0
10/04/2022 05:20	4.7	189	13	6.6	0
10/04/2022 05:30	4.4	192	11	5.7	0
10/04/2022 05:40	4.3	194	13	5.6	0
10/04/2022 05:50	3.5	192	16	4.8	0
10/04/2022 06:00	2.8	183	21	4.3	0
10/04/2022 06:10	3	179	20	4.6	0
10/04/2022 06:20	3.1	153	19	4.7	0
10/04/2022 06:30	3.6	157	16	5	0
10/04/2022 06:40	3.3	140	25	4.5	0
10/04/2022 06:50	2.8	120	30	5.3	0
10/04/2022 07:00	2.9	117	25	5.2	0
10/04/2022 07:10	3	107	21	5	0
10/04/2022 07:20	2.8	116	19	4.8	0
10/04/2022 07:30	2.9	110	20	4.3	0
10/04/2022 07:40	3	113	16	4.4	0
10/04/2022 07:50	2.6	102	22	4.1	0
10/04/2022 08:00	2.7	99	20	4.1	0
10/04/2022 08:10	3.2	98	18	4.8	0
10/04/2022 08:20	3.7	95	23	5.9	0
10/04/2022 08:30	3.1	99	23	5.7	0
10/04/2022 08:40	3.8	89	19	5.7	0
10/04/2022 08:50	4.7	80	14	6.6	0
10/04/2022 09:00	5	83	12	7.3	0
10/04/2022 09:10	4.7	82	14	6.3	0
10/04/2022 09:20	4.4	83	14	6	0
10/04/2022 09:30	4.5	81	13	6.5	0
10/04/2022 09:40	4.1	73	14	5.8	0
10/04/2022 09:50	4	72	11	5.8	0
10/04/2022 10:00	3.9	74	14	5.7	0
10/04/2022 10:10	3.8	74	14	5.2	0
10/04/2022 10:20	3.8	83	14	5	0
10/04/2022 10:30	4.1	74	13	5.2	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/04/2022 10:40	4.5	57	11	6	0
10/04/2022 10:50	4.5	57	11	6	0
10/04/2022 11:00	4.5	57	12	6.1	0
10/04/2022 11:10	4.7	50	15	6.1	0
10/04/2022 11:20	4.6	46	13	6.4	0
10/04/2022 11:30	4.8	42	12	6.4	0
10/04/2022 11:40	4.7	47	13	6.4	0
10/04/2022 11:50	4.5	47	14	6.4	0
10/04/2022 12:00	4.7	44	13	6.6	0
10/04/2022 12:10	4.6	47	14	6.1	0
10/04/2022 12:20	4.7	39	13	6.2	0
10/04/2022 12:30	4.4	49	15	6	0
10/04/2022 12:40	4.3	47	15	5.9	0
10/04/2022 12:50	4.3	43	13	6.1	0
10/04/2022 13:00	4.3	44	14	5.9	0
10/04/2022 13:10	4.6	43	13	5.8	0
10/04/2022 13:20	4.6	43	12	6.1	0
10/04/2022 13:30	4.7	36	13	6.2	0
10/04/2022 13:40	4.9	43	13	6.6	0
10/04/2022 13:50	4.6	48	13	6.3	0
10/04/2022 14:00	4.8	48	11	6.4	0
10/04/2022 14:10	4.6	47	13	6.4	0
10/04/2022 14:20	4.4	48	13	6	0
10/04/2022 14:30	4.6	43	13	6.1	0
10/04/2022 14:40	4.9	41	12	6.4	0
10/04/2022 14:50	5.2	43	13	6.7	0
10/04/2022 15:00	4.7	49	11	6.4	0
10/04/2022 15:10	4.7	46	13	6.4	0
10/04/2022 15:20	4.5	46	12	6	0
10/04/2022 15:30	4.4	47	12	6.3	0
10/04/2022 15:40	4.3	45	13	6.1	0
10/04/2022 15:50	3.5	191	27	5.2	0
10/04/2022 16:00	4.5	346	14	6.1	0
10/04/2022 16:10	4.5	344	14	6.1	0
10/04/2022 16:20	4.6	341	12	5.9	0
10/04/2022 16:30	4.7	351	14	6	0
10/04/2022 16:40	4.7	345	15	6.1	0
10/04/2022 16:50	4.2	339	15	5.9	0
10/04/2022 17:00	4.1	322	10	5.5	0
10/04/2022 17:10	3.9	332	19	5.2	0
10/04/2022 17:20	3.8	334	16	5.2	0
10/04/2022 17:30	3.3	318	17	4.7	0
10/04/2022 17:40	2.7	305	20	4.3	0
10/04/2022 17:50	2.8	310	23	4.3	0
10/04/2022 18:00	2.7	310	20	4.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/04/2022 18:10	2.4	298	22	3.9	0
10/04/2022 18:20	2.2	291	25	3.4	0
10/04/2022 18:30	1.9	283	37	3.1	0
10/04/2022 18:40	2.9	282	19	4.5	0
10/04/2022 18:50	2.6	272	26	4.5	0
10/04/2022 19:00	3.3	265	22	5.2	0
10/04/2022 19:10	3.1	268	23	5.2	0
10/04/2022 19:20	3	275	24	4.5	0
10/04/2022 19:30	2.7	277	23	4.4	0
10/04/2022 19:40	2.4	267	27	3.9	0
10/04/2022 19:50	2.7	275	23	4.1	0
10/04/2022 20:00	2.4	271	27	3.8	0
10/04/2022 20:10	2.2	276	25	3.7	0
10/04/2022 20:20	2.4	276	20	3.9	0
10/04/2022 20:30	2.2	277	31	3.6	0
10/04/2022 20:40	2.3	277	21	3.8	0
10/04/2022 20:50	2.4	273	26	3.4	0
10/04/2022 21:00	2.2	272	32	3.6	0
10/04/2022 21:10	2	262	47	3.7	0
10/04/2022 21:20	2.4	275	29	4.3	0
10/04/2022 21:30	2.3	270	33	3.9	0
10/04/2022 21:40	2.4	269	27	4.3	0
10/04/2022 21:50	1.6	243	46	3.2	0
10/04/2022 22:00	1.7	249	38	3	0
10/04/2022 22:10	1.5	286	36	2.4	0
10/04/2022 22:20	1.4	259	43	3	0
10/04/2022 22:30	1.2	240	46	2.8	0
10/04/2022 22:40	0.9	244	53	2	0
10/04/2022 22:50	1.7	271	37	2.8	0
10/04/2022 23:00	1.5	286	32	2.6	0
10/04/2022 23:10	0.9	275	48	2	0
10/04/2022 23:20	1.1	225	44	2.4	0
10/04/2022 23:30	0.9	211	50	2.1	0
10/04/2022 23:40	1.1	233	64	2.5	0
10/04/2022 23:50	1.4	229	61	3.2	0
10/05/2022 00:00	1.1	268	67	2.2	0
10/05/2022 00:10	1.3	251	47	2.4	0
10/05/2022 00:20	1	235	71	2.2	0
10/05/2022 00:30	1.7	268	33	2.8	0
10/05/2022 00:40	1.5	272	40	3.2	0
10/05/2022 00:50	1.3	243	55	2.4	0
10/05/2022 01:00	1.6	250	46	3.4	0
10/05/2022 01:10	1	150	67	2.4	0
10/05/2022 01:20	1	282	68	2.4	0
10/05/2022 01:30	1.5	244	50	3.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/05/2022 01:40	1.3	269	42	2.1	0
10/05/2022 01:50	1.4	258	49	2.8	0
10/05/2022 02:00	1.1	255	52	2	0
10/05/2022 02:10	1.1	263	52	2.1	0
10/05/2022 02:20	1.3	279	34	2.8	0
10/05/2022 02:30	1.7	268	36	3.1	0
10/05/2022 02:40	1.6	269	26	2.8	0
10/05/2022 02:50	1.5	280	39	2.5	0
10/05/2022 03:00	1	218	63	1.6	0
10/05/2022 03:10	1.4	268	40	2.8	0
10/05/2022 03:20	1.2	290	44	2.1	0
10/05/2022 03:30	0.8	172	75	1.8	0
10/05/2022 03:40	1.5	299	27	2.4	0
10/05/2022 03:50	1.2	275	65	2	0
10/05/2022 04:00	1	298	34	1.6	0
10/05/2022 04:10	1	168	50	1.9	0
10/05/2022 04:20	1.3	281	46	2.7	0
10/05/2022 04:30	1.4	319	25	1.8	0
10/05/2022 04:40	1.1	335	25	1.6	0
10/05/2022 04:50	1.8	304	17	2.4	0
10/05/2022 05:00	1.5	318	13	2	0
10/05/2022 05:10	1.7	299	10	2.2	0
10/05/2022 05:20	1.3	280	27	2.2	0
10/05/2022 05:30	0.9	269	47	1.7	0
10/05/2022 05:40	1.1	271	39	1.9	0
10/05/2022 05:50	0.6	227	41	1.3	0
10/05/2022 06:00	0.9	213	57	1.6	0
10/05/2022 06:10	0.8	219	66	1.6	0
10/05/2022 06:20	0.8	195	58	1.4	0
10/05/2022 06:30	0.8	293	33	1.7	0
10/05/2022 06:40	1.5	278	31	2.5	0
10/05/2022 06:50	1.2	282	59	2.3	0
10/05/2022 07:00	0.9	239	63	1.8	0
10/05/2022 07:10	1.8	218	30	2.8	0
10/05/2022 07:20	1.9	230	39	2.9	0
10/05/2022 07:30	1.4	226	56	2.5	0
10/05/2022 07:40	2	261	24	3.2	0
10/05/2022 07:50	1.6	267	37	2.7	0
10/05/2022 08:00	1.4	200	49	2	0
10/05/2022 08:10	1.5	303	41	2.3	0
10/05/2022 08:20	1.3	341	30	2	0
10/05/2022 08:30	1.4	263	68	2.4	0
10/05/2022 08:40	1.3	90	40	2.3	0
10/05/2022 08:50	1.9	98	25	2.7	0
10/05/2022 09:00	1.9	46	26	2.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/05/2022 09:10	2.4	57	17	3.8	0
10/05/2022 09:20	1.9	90	22	2.8	0
10/05/2022 09:30	2.1	65	19	3	0
10/05/2022 09:40	2.2	46	18	2.9	0
10/05/2022 09:50	2.6	59	15	3.4	0
10/05/2022 10:00	2.5	73	17	3.3	0
10/05/2022 10:10	2.6	64	17	3.7	0
10/05/2022 10:20	3	63	15	3.9	0
10/05/2022 10:30	3.2	66	13	4	0
10/05/2022 10:40	3	66	16	3.7	0
10/05/2022 10:50	3.2	63	17	4.1	0
10/05/2022 11:00	3.1	79	21	4.2	0
10/05/2022 11:10	3	68	16	3.9	0
10/05/2022 11:20	2.2	78	21	3.2	0
10/05/2022 11:30	2.8	310	44	4.4	0
10/05/2022 11:40	2.9	334	20	4.6	0
10/05/2022 11:50	2.7	309	30	4.4	0
10/05/2022 12:00	2.3	290	35	4	0
10/05/2022 12:10	2.9	315	21	4.2	0
10/05/2022 12:20	3.6	321	21	5.7	0
10/05/2022 12:30	4	333	19	5.2	0
10/05/2022 12:40	2.8	286	27	4.4	0
10/05/2022 12:50	3.2	314	25	5.4	0
10/05/2022 13:00	3.2	313	28	5.5	0
10/05/2022 13:10	3.3	320	23	5.2	0
10/05/2022 13:20	4.1	320	19	6	0
10/05/2022 13:30	3.6	310	22	5.5	0
10/05/2022 13:40	3.3	295	20	5	0
10/05/2022 13:50	2.9	309	31	5	0
10/05/2022 14:00	3.8	317	22	6.1	0
10/05/2022 14:10	3.4	296	36	5.2	0
10/05/2022 14:20	3.7	297	23	5.8	0
10/05/2022 14:30	3.4	294	28	5.3	0
10/05/2022 14:40	3.2	313	28	5.2	0
10/05/2022 14:50	3.7	311	22	5.6	0
10/05/2022 15:00	3.3	298	25	5.9	0
10/05/2022 15:10	3.3	273	25	5.1	0
10/05/2022 15:20	3.8	275	19	6	0
10/05/2022 15:30	3.4	274	26	5.2	0
10/05/2022 15:40	3.9	280	22	6	0
10/05/2022 15:50	3.7	277	22	5.8	0
10/05/2022 16:00	3.6	275	21	5.5	0
10/05/2022 16:10	3.4	275	25	5.5	0
10/05/2022 16:20	3.2	274	26	5	0
10/05/2022 16:30	3	272	26	5.3	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/05/2022 16:40	2.7	263	38	4.7	0
10/05/2022 16:50	3.6	266	27	5.6	0
10/05/2022 17:00	3	266	36	5.4	0
10/05/2022 17:10	3	270	27	4.5	0
10/05/2022 17:20	2.8	258	41	5.5	0
10/05/2022 17:30	3.3	271	34	5.6	0
10/05/2022 17:40	3.9	272	23	6	0
10/05/2022 17:50	3	268	39	6	0
10/05/2022 18:00	3.1	277	26	5.2	0
10/05/2022 18:10	3.7	273	25	5.7	0
10/05/2022 18:20	3.6	267	29	5.4	0
10/05/2022 18:30	3	267	23	4.4	0
10/05/2022 18:40	2.5	285	25	3.8	0
10/05/2022 18:50	2.3	277	26	4.3	0
10/05/2022 19:00	2.6	298	25	4	0
10/05/2022 19:10	2.8	281	17	4.9	0
10/05/2022 19:20	2.7	281	22	4.7	0
10/05/2022 19:30	2.9	283	26	4.4	0
10/05/2022 19:40	2.5	275	21	4	0
10/05/2022 19:50	2.9	278	22	4.4	0
10/05/2022 20:00	2.5	264	33	4.4	0
10/05/2022 20:10	2.7	266	27	4	0
10/05/2022 20:20	3.1	267	35	5.3	0
10/05/2022 20:30	2.6	267	33	4.9	0
10/05/2022 20:40	2.6	253	50	4.8	0
10/05/2022 20:50	2.9	278	32	5.8	0
10/05/2022 21:00	3	271	31	5.2	0
10/05/2022 21:10	2.5	281	39	5.6	0
10/05/2022 21:20	2.5	276	43	4.9	0
10/05/2022 21:30	2.6	268	36	4.6	0
10/05/2022 21:40	2.9	273	35	5.4	0
10/05/2022 21:50	2.2	262	43	4.5	0
10/05/2022 22:00	2.4	267	43	4.9	0
10/05/2022 22:10	2.2	263	50	4.2	0
10/05/2022 22:20	2.3	265	45	4.4	0
10/05/2022 22:30	2.6	275	40	5.2	0
10/05/2022 22:40	2	240	55	4	0
10/05/2022 22:50	1.9	244	65	4.2	0
10/05/2022 23:00	2.3	272	61	4.3	0
10/05/2022 23:10	2.1	264	44	4.2	0
10/05/2022 23:20	2.2	247	51	4.2	0
10/05/2022 23:30	2.2	269	53	4.3	0
10/05/2022 23:40	2.6	245	43	5.2	0
10/05/2022 23:50	2	256	54	4.2	0
10/06/2022 00:00	1.8	257	65	3.9	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/06/2022 00:10	2.6	238	40	5.3	0
10/06/2022 00:20	2.4	226	54	4.7	0
10/06/2022 00:30	1.9	217	68	3.8	0
10/06/2022 00:40	2.1	251	72	5.2	0
10/06/2022 00:50	2.5	259	46	4.7	0
10/06/2022 01:00	2.1	242	57	5	0
10/06/2022 01:10	1.8	205	53	4	0
10/06/2022 01:20	1.9	209	61	4.7	0
10/06/2022 01:30	1.9	210	60	3.7	0
10/06/2022 01:40	1.5	225	76	3.1	0
10/06/2022 01:50	1.7	231	50	4.2	0
10/06/2022 02:00	1.7	216	66	4.2	0
10/06/2022 02:10	1.5	238	72	2.7	0
10/06/2022 02:20	1.4	264	62	3.2	0
10/06/2022 02:30	1.4	193	75	3.3	0
10/06/2022 02:40	1.5	206	63	3.3	0
10/06/2022 02:50	1.4	240	71	2.6	0
10/06/2022 03:00	1.3	243	66	2.7	0
10/06/2022 03:10	1	210	77	1.8	0
10/06/2022 03:20	0.9	142	73	1.7	0
10/06/2022 03:30	1.4	226	68	3.1	0
10/06/2022 03:40	1.4	202	38	2.6	0
10/06/2022 03:50	1.8	233	35	3.4	0
10/06/2022 04:00	1.9	237	36	3.6	0
10/06/2022 04:10	2.1	255	28	3.3	0
10/06/2022 04:20	2.5	256	26	4.2	0
10/06/2022 04:30	3.3	214	28	5.7	0
10/06/2022 04:40	3.4	214	23	6.1	0
10/06/2022 04:50	3.6	214	25	5.5	0
10/06/2022 05:00	4.2	208	15	6.4	0
10/06/2022 05:10	4.1	209	17	6.1	0
10/06/2022 05:20	4.1	208	16	6	0
10/06/2022 05:30	4.4	206	17	6.1	0
10/06/2022 05:40	4.7	206	14	6.3	0
10/06/2022 05:50	5.2	210	10	6.9	0
10/06/2022 06:00	5.1	207	13	6.9	0
10/06/2022 06:10	4.7	204	13	6.1	0
10/06/2022 06:20	4.9	207	14	6.4	0
10/06/2022 06:30	4.9	204	12	6.4	0
10/06/2022 06:40	4.6	207	14	6.5	0
10/06/2022 06:50	4.6	202	14	6.1	0
10/06/2022 07:00	4.3	202	13	6.4	0
10/06/2022 07:10	4.4	200	12	6.1	0
10/06/2022 07:20	4.5	201	13	6.1	0
10/06/2022 07:30	4.6	197	11	6.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/06/2022 07:40	4.5	201	13	6	0
10/06/2022 07:50	5	195	14	6.9	0
10/06/2022 08:00	5.1	196	16	7.1	0
10/06/2022 08:10	4.6	191	15	7.2	0
10/06/2022 08:20	4	191	16	5.5	0
10/06/2022 08:30	4.1	192	17	5.9	0
10/06/2022 08:40	2.7	186	27	4.7	0
10/06/2022 08:50	2.6	136	30	4.4	0
10/06/2022 09:00	2.8	114	19	4.4	0
10/06/2022 09:10	2.1	129	26	3.3	0
10/06/2022 09:20	2.7	114	20	4.4	0
10/06/2022 09:30	2.7	121	26	4.7	0
10/06/2022 09:40	2.3	125	26	3.7	0
10/06/2022 09:50	2.1	81	25	3.6	0
10/06/2022 10:00	1.9	88	24	3	0
10/06/2022 10:10	2.3	80	25	3.3	0
10/06/2022 10:20	2.2	57	25	3.3	0
10/06/2022 10:30	2.2	44	17	3	0
10/06/2022 10:40	2.3	53	14	3.2	0
10/06/2022 10:50	2.4	54	14	3.4	0
10/06/2022 11:00	2.9	48	14	3.8	0
10/06/2022 11:10	3.5	42	11	4.8	0
10/06/2022 11:20	4	41	13	5.8	0
10/06/2022 11:30	3.6	46	13	4.8	0
10/06/2022 11:40	3.7	45	12	5.2	0
10/06/2022 11:50	4.1	45	14	5.4	0
10/06/2022 12:00	4.5	41	13	6	0
10/06/2022 12:10	4.5	40	12	6.4	0
10/06/2022 12:20	4.5	46	14	5.8	0
10/06/2022 12:30	4.6	49	12	6.3	0
10/06/2022 12:40	4.8	46	12	6.6	0
10/06/2022 12:50	4.8	48	13	6.7	0
10/06/2022 13:00	4.3	44	14	6	0
10/06/2022 13:10	3.9	44	13	5.6	0
10/06/2022 13:20	3.8	29	21	5.2	0
10/06/2022 13:30	4	344	16	6	0
10/06/2022 13:40	3.8	315	17	5.7	0
10/06/2022 13:50	3.9	321	20	6.4	0
10/06/2022 14:00	4.1	325	22	6	0
10/06/2022 14:10	4.4	331	18	6.6	0
10/06/2022 14:20	3.9	323	21	6.4	0
10/06/2022 14:30	3.9	325	17	5.8	0
10/06/2022 14:40	4	322	19	5.6	0
10/06/2022 14:50	3.3	308	28	4.9	0
10/06/2022 15:00	3.8	296	25	5.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/06/2022 15:10	3.6	293	23	5.5	0
10/06/2022 15:20	3.7	282	21	5.9	0
10/06/2022 15:30	3.5	287	26	5.2	0
10/06/2022 15:40	3.2	277	26	5.2	0
10/06/2022 15:50	3.3	284	28	5.8	0
10/06/2022 16:00	3.6	266	19	5.6	0
10/06/2022 16:10	3.9	268	21	6	0
10/06/2022 16:20	3.8	273	23	6	0
10/06/2022 16:30	4.3	270	20	6	0
10/06/2022 16:40	3.7	273	19	6.4	0
10/06/2022 16:50	3.2	271	32	5.8	0
10/06/2022 17:00	3.5	269	26	6.4	0
10/06/2022 17:10	3.7	279	17	5.4	0
10/06/2022 17:20	3.4	270	27	5.6	0
10/06/2022 17:30	3.6	275	19	5.7	0
10/06/2022 17:40	3.6	275	19	5.4	0
10/06/2022 17:50	3.1	281	21	5.1	0
10/06/2022 18:00	3	281	22	5	0
10/06/2022 18:10	3.6	274	17	5.5	0
10/06/2022 18:20	3.1	277	22	5	0
10/06/2022 18:30	3.2	271	18	4.7	0
10/06/2022 18:40	3.4	271	17	5.3	0
10/06/2022 18:50	3.2	274	22	5	0
10/06/2022 19:00	3.1	275	18	5.4	0
10/06/2022 19:10	2.7	280	23	4	0
10/06/2022 19:20	2.3	262	50	4.3	0
10/06/2022 19:30	2.4	273	33	4	0
10/06/2022 19:40	3.1	277	16	4.2	0
10/06/2022 19:50	2.1	278	24	3.1	0
10/06/2022 20:00	2.4	279	24	3.8	0
10/06/2022 20:10	2.2	272	38	3.9	0
10/06/2022 20:20	2.4	279	25	3.7	0
10/06/2022 20:30	2.1	258	49	3.7	0
10/06/2022 20:40	1.7	271	65	3.2	0
10/06/2022 20:50	2.1	271	37	3.8	0
10/06/2022 21:00	2.1	273	44	3.8	0
10/06/2022 21:10	1.9	246	47	3.5	0
10/06/2022 21:20	1.9	231	50	4.7	0
10/06/2022 21:30	2.2	255	50	4.5	0
10/06/2022 21:40	2.5	251	31	4.8	0
10/06/2022 21:50	1.7	223	64	4.3	0
10/06/2022 22:00	2.2	261	42	4.8	0
10/06/2022 22:10	1.9	252	53	3.8	0
10/06/2022 22:20	1.8	241	54	3.9	0
10/06/2022 22:30	2.1	251	47	4.2	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/06/2022 22:40	1.8	255	68	3.5	0
10/06/2022 22:50	1.8	265	57	3.6	0
10/06/2022 23:00	1.6	273	62	3.5	0
10/06/2022 23:10	1.8	260	47	4.1	0
10/06/2022 23:20	1.6	243	53	3	0
10/06/2022 23:30	1.7	264	53	3.8	0
10/06/2022 23:40	1.7	232	58	3.7	0
10/06/2022 23:50	1.3	261	57	2.5	0
10/07/2022 00:00	2.1	257	42	3.4	0
10/07/2022 00:10	1.5	245	70	2.9	0
10/07/2022 00:20	1.5	232	53	2.9	0
10/07/2022 00:30	1.9	259	44	3.2	0
10/07/2022 00:40	1.7	242	62	3.4	0
10/07/2022 00:50	1.3	157	67	2.4	0
10/07/2022 01:00	1.2	241	77	2.8	0
10/07/2022 01:10	1.2	220	60	2.4	0
10/07/2022 01:20	0.7	146	85	1.4	0
10/07/2022 01:30	1	203	84	2	0
10/07/2022 01:40	1.3	220	65	2.4	0
10/07/2022 01:50	1.7	246	42	3.4	0
10/07/2022 02:00	1.7	259	34	2.8	0
10/07/2022 02:10	2.5	255	20	4	0
10/07/2022 02:20	2.4	262	14	3.7	0
10/07/2022 02:30	2.4	265	14	3.5	0
10/07/2022 02:40	2.3	264	18	3.5	0
10/07/2022 02:50	2.2	261	22	3.4	0
10/07/2022 03:00	2.4	261	21	4.1	0
10/07/2022 03:10	2.9	251	19	4.4	0
10/07/2022 03:20	3.1	231	29	5.3	0
10/07/2022 03:30	4.1	207	20	6	0
10/07/2022 03:40	4.7	203	12	6.4	0
10/07/2022 03:50	4.9	202	15	6.9	0
10/07/2022 04:00	4.9	204	13	6.5	0
10/07/2022 04:10	4.4	204	13	6	0
10/07/2022 04:20	4	206	14	5.6	0
10/07/2022 04:30	4.2	204	13	5.7	0
10/07/2022 04:40	4.1	198	14	5.7	0
10/07/2022 04:50	5	196	12	6.6	0
10/07/2022 05:00	5.3	195	11	6.8	0
10/07/2022 05:10	5.4	197	10	7.2	0
10/07/2022 05:20	6.2	196	8	7.5	0
10/07/2022 05:30	6.2	195	10	7.9	0
10/07/2022 05:40	6.2	191	11	8.1	0
10/07/2022 05:50	5.8	190	11	8	0
10/07/2022 06:00	6	188	12	8.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/07/2022 06:10	6.4	189	11	8.2	0
10/07/2022 06:20	6	192	10	7.9	0
10/07/2022 06:30	5.2	191	12	7.2	0
10/07/2022 06:40	4	190	13	5.6	0
10/07/2022 06:50	3.5	185	19	5.5	0
10/07/2022 07:00	2.3	155	28	3.6	0
10/07/2022 07:10	2.8	145	17	4.5	0
10/07/2022 07:20	2.4	120	25	4.4	0
10/07/2022 07:30	2.7	140	23	4	0
10/07/2022 07:40	2.8	139	18	4.4	0
10/07/2022 07:50	2.5	128	20	3.8	0
10/07/2022 08:00	2.3	116	27	3.8	0
10/07/2022 08:10	2.3	120	22	3.9	0
10/07/2022 08:20	2.1	111	21	3.2	0
10/07/2022 08:30	2.7	154	22	4.4	0
10/07/2022 08:40	2.3	136	31	4.6	0
10/07/2022 08:50	2.7	77	20	4.1	0
10/07/2022 09:00	2	57	17	2.8	0
10/07/2022 09:10	2.2	65	18	3	0
10/07/2022 09:20	2.5	49	13	3.4	0
10/07/2022 09:30	2.2	48	18	3	0
10/07/2022 09:40	2.3	60	19	3.4	0
10/07/2022 09:50	2.7	62	13	3.6	0
10/07/2022 10:00	2.5	63	14	3.4	0
10/07/2022 10:10	2.5	63	13	3.5	0
10/07/2022 10:20	2.8	60	16	3.9	0
10/07/2022 10:30	3	51	16	4	0
10/07/2022 10:40	3.7	44	12	4.8	0
10/07/2022 10:50	3.7	45	14	5.2	0
10/07/2022 11:00	3.6	43	12	5.1	0
10/07/2022 11:10	4.2	47	13	5.6	0
10/07/2022 11:20	4	40	15	5.9	0
10/07/2022 11:30	4.3	44	14	5.8	0
10/07/2022 11:40	4.4	43	11	6	0
10/07/2022 11:50	4.2	44	15	5.5	0
10/07/2022 12:00	4.3	42	12	5.7	0
10/07/2022 12:10	4.5	46	11	6.1	0
10/07/2022 12:20	4.6	44	13	6	0
10/07/2022 12:30	4.7	45	12	6.5	0
10/07/2022 12:40	4.4	43	12	6	0
10/07/2022 12:50	4.5	46	13	6.3	0
10/07/2022 13:00	4.5	39	13	6.1	0
10/07/2022 13:10	4.5	43	13	6	0
10/07/2022 13:20	4.2	43	14	6.2	0
10/07/2022 13:30	4.2	43	13	6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/07/2022 13:40	5	39	14	6.8	0
10/07/2022 13:50	4.5	44	14	6.4	0
10/07/2022 14:00	5	44	12	6.6	0
10/07/2022 14:10	4.7	43	15	5.9	0
10/07/2022 14:20	4.4	46	13	6.2	0
10/07/2022 14:30	4.4	46	13	6	0
10/07/2022 14:40	4.4	45	12	6.3	0
10/07/2022 14:50	4.3	42	13	6	0
10/07/2022 15:00	4.5	41	15	6.4	0
10/07/2022 15:10	4.5	38	14	6.4	0
10/07/2022 15:20	4.2	42	13	5.9	0
10/07/2022 15:30	3.7	43	13	5	0
10/07/2022 15:40	2.8	179	30	4.8	0
10/07/2022 15:50	3.2	296	33	5.3	0
10/07/2022 16:00	3.1	303	28	4.8	0
10/07/2022 16:10	3.3	293	27	4.6	0
10/07/2022 16:20	3.7	318	21	5.4	0
10/07/2022 16:30	3.4	318	20	5.4	0
10/07/2022 16:40	3.1	300	24	4.7	0
10/07/2022 16:50	3.6	295	22	5.5	0
10/07/2022 17:00	3.5	297	19	5.2	0
10/07/2022 17:10	3.9	306	17	5.6	0
10/07/2022 17:20	3.6	313	18	5.2	0
10/07/2022 17:30	3.4	304	17	4.8	0
10/07/2022 17:40	2.8	289	23	4.6	0
10/07/2022 17:50	3.4	285	19	5.2	0
10/07/2022 18:00	3.1	281	21	4.8	0
10/07/2022 18:10	3.2	279	19	4.4	0
10/07/2022 18:20	3.1	265	23	5.3	0
10/07/2022 18:30	2.9	269	21	4.8	0
10/07/2022 18:40	2.5	269	20	4.1	0
10/07/2022 18:50	2.9	264	20	4.3	0
10/07/2022 19:00	2.5	268	19	3.8	0
10/07/2022 19:10	2.7	273	21	4.4	0
10/07/2022 19:20	2.6	270	21	4.4	0
10/07/2022 19:30	2.6	267	22	3.7	0
10/07/2022 19:40	2.4	276	20	3.4	0
10/07/2022 19:50	2.4	280	21	3.6	0
10/07/2022 20:00	2	273	23	3.2	0
10/07/2022 20:10	1.9	267	31	3.1	0
10/07/2022 20:20	2.3	271	23	3.6	0
10/07/2022 20:30	1.8	270	39	3.1	0
10/07/2022 20:40	1.7	278	22	2.8	0
10/07/2022 20:50	1.7	273	26	2.8	0
10/07/2022 21:00	1.4	282	36	2.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/07/2022 21:10	1.7	262	28	2.9	0
10/07/2022 21:20	2	272	26	2.8	0
10/07/2022 21:30	1.5	264	35	2.6	0
10/07/2022 21:40	1.9	269	25	3.1	0
10/07/2022 21:50	2	271	20	3.1	0
10/07/2022 22:00	1.7	276	29	2.6	0
10/07/2022 22:10	1.9	281	18	2.8	0
10/07/2022 22:20	1.5	259	40	2.3	0
10/07/2022 22:30	1.8	275	30	3.2	0
10/07/2022 22:40	2.1	277	25	3.4	0
10/07/2022 22:50	1.8	270	28	2.8	0
10/07/2022 23:00	2	269	21	3.1	0
10/07/2022 23:10	1.8	270	24	3	0
10/07/2022 23:20	2	266	20	2.9	0
10/07/2022 23:30	1.9	261	30	3.2	0
10/07/2022 23:40	1.5	262	50	2.7	0
10/07/2022 23:50	1.4	251	51	2.7	0
10/08/2022 00:00	1.4	273	44	2.9	0
10/08/2022 00:10	2.1	277	25	3.4	0
10/08/2022 00:20	1.3	254	60	2.8	0
10/08/2022 00:30	1.3	257	64	2.2	0
10/08/2022 00:40	1.6	244	36	3	0
10/08/2022 00:50	1.7	267	52	3.5	0
10/08/2022 01:00	1.5	266	34	2.6	0
10/08/2022 01:10	1.2	216	57	2.1	0
10/08/2022 01:20	1.2	236	39	2.3	0
10/08/2022 01:30	0.8	165	59	1.4	0
10/08/2022 01:40	0.6	83	54	1.2	0
10/08/2022 01:50	0.8	301	23	1.3	0
10/08/2022 02:00	1	211	27	1.6	0
10/08/2022 02:10	0.9	206	29	1.5	0
10/08/2022 02:20	0.8	183	20	1.2	0
10/08/2022 02:30	1.2	191	13	1.6	0
10/08/2022 02:40	1.1	260	27	1.7	0
10/08/2022 02:50	0.7	252	32	1.6	0
10/08/2022 03:00	0.9	295	35	1.5	0
10/08/2022 03:10	0.8	203	49	1.3	0
10/08/2022 03:20	0.7	155	29	1.4	0
10/08/2022 03:30	1	154	17	1.6	0
10/08/2022 03:40	1.7	117	22	2.8	0
10/08/2022 03:50	3	120	12	4.4	0
10/08/2022 04:00	2.5	121	18	3.6	0
10/08/2022 04:10	2.4	120	16	3.2	0
10/08/2022 04:20	2.2	112	22	3.3	0
10/08/2022 04:30	2.5	118	12	3.5	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/08/2022 04:40	2.5	121	14	3.5	0
10/08/2022 04:50	2.4	119	18	4	0
10/08/2022 05:00	2.3	119	15	3.2	0
10/08/2022 05:10	2.6	126	17	4	0
10/08/2022 05:20	2.6	121	18	3.7	0
10/08/2022 05:30	2.2	125	20	3.4	0
10/08/2022 05:40	2.1	114	20	3.5	0
10/08/2022 05:50	2.5	109	22	3.8	0
10/08/2022 06:00	2.4	122	18	3.7	0
10/08/2022 06:10	2.3	119	22	3.6	0
10/08/2022 06:20	1.3	104	25	2.7	0
10/08/2022 06:30	1.8	95	34	4.1	0
10/08/2022 06:40	2.4	99	22	4	0
10/08/2022 06:50	2.3	99	25	3.6	0
10/08/2022 07:00	2.5	95	25	4.4	0
10/08/2022 07:10	2.8	96	24	5	0
10/08/2022 07:20	3.6	98	22	6	0
10/08/2022 07:30	3.9	105	28	7.4	0
10/08/2022 07:40	5.4	102	22	8.3	0
10/08/2022 07:50	5.7	88	17	8.7	0
10/08/2022 08:00	5.4	89	18	7.7	0
10/08/2022 08:10	5.7	86	16	8	0
10/08/2022 08:20	6.6	89	12	9.3	0
10/08/2022 08:30	6.5	86	15	9.4	0
10/08/2022 08:40	7.2	85	14	10.5	0
10/08/2022 08:50	7.1	83	13	9.8	0
10/08/2022 09:00	7.3	85	13	10.3	0
10/08/2022 09:10	6.5	86	15	9.1	0
10/08/2022 09:20	6.9	87	16	9.3	0
10/08/2022 09:30	6.5	84	14	9.2	0
10/08/2022 09:40	6.2	83	18	9	0
10/08/2022 09:50	6	78	15	8.6	0
10/08/2022 10:00	6.6	76	12	9	0
10/08/2022 10:10	6.6	73	12	8.8	0
10/08/2022 10:20	5.7	74	14	8.3	0
10/08/2022 10:30	5.6	73	15	8.8	0
10/08/2022 10:40	5.9	71	13	8.3	0
10/08/2022 10:50	5.5	73	14	8.3	0
10/08/2022 11:00	5.5	74	15	7.9	0
10/08/2022 11:10	5	66	15	7.4	0
10/08/2022 11:20	5.3	61	15	7.9	0
10/08/2022 11:30	6.4	58	12	9	0
10/08/2022 11:40	6.3	58	10	7.9	0
10/08/2022 11:50	6.9	56	11	9.6	0
10/08/2022 12:00	5.8	54	12	8.4	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/08/2022 12:10	6	47	12	8.1	0
10/08/2022 12:20	5.9	47	12	7.5	0
10/08/2022 12:30	5.1	49	13	6.8	0
10/08/2022 12:40	5.1	49	12	7.2	0
10/08/2022 12:50	5.1	46	13	6.7	0
10/08/2022 13:00	5	49	11	6.9	0
10/08/2022 13:10	4.7	47	13	6.1	0
10/08/2022 13:20	4.5	41	12	5.9	0
10/08/2022 13:30	4.8	43	12	6.2	0
10/08/2022 13:40	4.7	40	14	6.8	0
10/08/2022 13:50	4.4	42	13	6	0
10/08/2022 14:00	4.7	40	11	6.4	0
10/08/2022 14:10	5	37	12	7.3	0
10/08/2022 14:20	4.9	36	13	7	0
10/08/2022 14:30	5.1	43	14	6.7	0
10/08/2022 14:40	4.9	43	12	7	0
10/08/2022 14:50	4.6	44	13	6.1	0
10/08/2022 15:00	4.7	42	12	6.5	0
10/08/2022 15:10	4.7	41	13	6.4	0
10/08/2022 15:20	3.8	49	12	5.3	0
10/08/2022 15:30	3.8	54	14	5.3	0
10/08/2022 15:40	3.6	53	13	4.7	0
10/08/2022 15:50	3.4	51	12	4.7	0
10/08/2022 16:00	3.4	48	15	5.1	0
10/08/2022 16:10	3.6	44	13	4.7	0
10/08/2022 16:20	3.6	46	14	4.8	0
10/08/2022 16:30	3.9	41	14	5.7	0
10/08/2022 16:40	4.1	42	12	5.6	0
10/08/2022 16:50	5	30	14	7.4	0
10/08/2022 17:00	4.9	22	14	7.5	0
10/08/2022 17:10	5.5	14	16	8.4	0
10/08/2022 17:20	5.1	22	14	6.8	0
10/08/2022 17:30	4.1	24	14	5.9	0
10/08/2022 17:40	4.2	24	14	6.2	0
10/08/2022 17:50	3.5	17	17	5.4	0
10/08/2022 18:00	2.5	353	14	3.6	0
10/08/2022 18:10	3.1	344	11	4.4	0
10/08/2022 18:20	2.8	342	14	3.8	0
10/08/2022 18:30	2.9	343	14	4.1	0
10/08/2022 18:40	1.9	337	19	3	0
10/08/2022 18:50	1.9	327	14	2.7	0
10/08/2022 19:00	1.6	320	20	2.2	0
10/08/2022 19:10	1.9	314	18	2.9	0
10/08/2022 19:20	1.3	296	18	2	0
10/08/2022 19:30	1.7	305	17	2.6	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/08/2022 19:40	1.9	318	16	2.7	0
10/08/2022 19:50	2.1	312	21	3.1	0
10/08/2022 20:00	2.4	324	14	3.6	0
10/08/2022 20:10	2.3	326	19	4.2	0
10/08/2022 20:20	2.1	331	16	2.8	0
10/08/2022 20:30	1.5	204	27	2.4	0
10/08/2022 20:40	0.8	43	22	1.3	0
10/08/2022 20:50	0.3	344	13	1.1	0
10/08/2022 21:00	0.8	320	9	1.8	0
10/08/2022 21:10	1.4	309	12	1.9	0
10/08/2022 21:20	1.1	299	16	1.6	0
10/08/2022 21:30	1	162	45	1.6	0
10/08/2022 21:40	0.2	33	9	0.8	0
10/08/2022 21:50	0.3	181	13	0.8	0
10/08/2022 22:00					0
10/08/2022 22:10	0.5	80	15	0.8	0
10/08/2022 22:20	0.2	345	3	0.6	0
10/08/2022 22:30	0.5	343	8	0.8	0
10/08/2022 22:40	0.4	232	6	0.9	0
10/08/2022 22:50	0.5	293	23	0.9	0
10/08/2022 23:00					0
10/08/2022 23:10	0.3	332	4	0.9	0
10/08/2022 23:20	0.6	265	32	0.8	0
10/08/2022 23:30	0.2	158	3	0.8	0
10/08/2022 23:40	0.7	332	5	1.1	0
10/08/2022 23:50	0.6	330	9	1	0
10/09/2022 00:00	0.9	301	22	1.2	0
10/09/2022 00:10	0.5	176	25	0.9	0
10/09/2022 00:20	0.3	198	13	0.8	0
10/09/2022 00:30	0.3	196	22	0.8	0
10/09/2022 00:40	1.1	190	18	1.9	0
10/09/2022 00:50	0.6	86	41	1.1	0
10/09/2022 01:00	0.6	180	12	1.2	0
10/09/2022 01:10	0.4	263	17	0.9	0
10/09/2022 01:20	0.2	218	4	0.8	0
10/09/2022 01:30	0.6	240	6	1.2	0
10/09/2022 01:40	1.4	298	5	1.7	0
10/09/2022 01:50	0.4	211	25	0.9	0
10/09/2022 02:00					0
10/09/2022 02:10	0	249	17	0.6	0
10/09/2022 02:20	0.6	258	64	1.3	0
10/09/2022 02:30	0.7	175	9	1.2	0
10/09/2022 02:40	0.2	130	14	0.6	0
10/09/2022 02:50	0.3	167	7	0.8	0
10/09/2022 03:00	1.1	184	22	1.6	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/09/2022 03:10	2.6	199	12	3.6	0
10/09/2022 03:20	2.6	202	9	3.5	0
10/09/2022 03:30	2.9	202	10	3.7	0
10/09/2022 03:40	2.3	202	14	3.2	0
10/09/2022 03:50	2.1	197	14	2.9	0
10/09/2022 04:00	1.6	210	28	2.8	0
10/09/2022 04:10	1.2	191	33	2.2	0
10/09/2022 04:20	1.2	185	30	1.9	0
10/09/2022 04:30	0.8	273	53	1.4	0
10/09/2022 04:40	1.4	309	16	2	0
10/09/2022 04:50	0.6	190	44	1.1	0
10/09/2022 05:00	1.2	293	26	1.6	0
10/09/2022 05:10	0.5	300	35	1.1	0
10/09/2022 05:20	1.1	291	9	1.6	0
10/09/2022 05:30	0.6	289	10	1.3	0
10/09/2022 05:40	0.8	29	28	1	0
10/09/2022 05:50	0.4	340	14	0.9	0
10/09/2022 06:00	0.8	184	11	1.2	0
10/09/2022 06:10	0.5	175	5	0.9	0
10/09/2022 06:20					0
10/09/2022 06:30	0.4	170	1	0.8	0
10/09/2022 06:40	0	291	2	0.4	0
10/09/2022 06:50	0.2	246	10	0.8	0
10/09/2022 07:00	0.6	207	18	1	0
10/09/2022 07:10	0.9	227	38	1.6	0
10/09/2022 07:20	1	273	41	1.7	0
10/09/2022 07:30	1.3	95	24	2	0
10/09/2022 07:40	1.6	92	18	2.3	0
10/09/2022 07:50	1.2	64	21	2	0
10/09/2022 08:00	1.8	57	14	2.3	0
10/09/2022 08:10	1.8	92	19	2.3	0
10/09/2022 08:20	1.6	86	24	2.4	0
10/09/2022 08:30	1.7	53	14	2.4	0
10/09/2022 08:40	2.1	46	15	2.7	0
10/09/2022 08:50	2.1	55	15	2.7	0
10/09/2022 09:00	1.7	75	35	2.4	0
10/09/2022 09:10	1.6	45	18	2.3	0
10/09/2022 09:20	1.6	39	24	2.3	0
10/09/2022 09:30	1.6	49	21	2.5	0
10/09/2022 09:40	1.6	40	21	2.5	0
10/09/2022 09:50	1.8	56	32	2.5	0
10/09/2022 10:00	1.9	68	21	2.7	0
10/09/2022 10:10	2.1	58	24	3.6	0
10/09/2022 10:20	2.3	49	22	3.3	0
10/09/2022 10:30	2	52	23	3	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/09/2022 10:40	1.9	56	21	3	0
10/09/2022 10:50	2	49	18	2.8	0
10/09/2022 11:00	2.1	58	18	3	0
10/09/2022 11:10	2.1	63	19	3	0
10/09/2022 11:20	2.4	61	13	3	0
10/09/2022 11:30	2.4	66	19	3.2	0
10/09/2022 11:40	2.6	62	19	3.5	0
10/09/2022 11:50	2.8	54	14	3.7	0
10/09/2022 12:00	2.8	51	17	3.6	0
10/09/2022 12:10	2.9	60	13	3.7	0
10/09/2022 12:20	3	67	16	3.7	0
10/09/2022 12:30	2.7	70	13	3.6	0
10/09/2022 12:40	2.8	54	13	3.6	0
10/09/2022 12:50	2.6	60	13	3.6	0
10/09/2022 13:00	2.5	66	19	3.3	0
10/09/2022 13:10	2.5	65	16	3.5	0
10/09/2022 13:20	3	66	13	3.8	0
10/09/2022 13:30	3.1	61	11	3.8	0
10/09/2022 13:40	3.2	55	11	4.1	0
10/09/2022 13:50	3.1	63	11	3.8	0
10/09/2022 14:00	3	61	14	3.9	0
10/09/2022 14:10	3.2	61	11	3.7	0
10/09/2022 14:20	3.1	63	12	4	0
10/09/2022 14:30	3.3	55	12	4.3	0
10/09/2022 14:40	3.6	59	8	4.4	0
10/09/2022 14:50	3.3	61	12	4.4	0
10/09/2022 15:00	3.1	58	13	4.1	0
10/09/2022 15:10	3.1	61	16	4	0
10/09/2022 15:20	3.4	53	14	4.4	0
10/09/2022 15:30	3.2	46	18	4	0
10/09/2022 15:40	2.8	10	23	4.2	0
10/09/2022 15:50	3.1	352	16	4.5	0
10/09/2022 16:00	3.6	344	16	4.9	0
10/09/2022 16:10	3.3	347	18	4.8	0
10/09/2022 16:20	3.5	355	17	5	0
10/09/2022 16:30	3.8	355	16	5.5	0
10/09/2022 16:40	3.6	344	14	4.7	0
10/09/2022 16:50	3.5	340	15	4.8	0
10/09/2022 17:00	3.5	344	14	5	0
10/09/2022 17:10	3.3	347	16	4.7	0
10/09/2022 17:20	2.7	300	16	3.9	0
10/09/2022 17:30	3	297	18	4.4	0
10/09/2022 17:40	2.5	307	17	3.8	0
10/09/2022 17:50	2.3	311	17	3.4	0
10/09/2022 18:00	2.8	306	13	4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/09/2022 18:10	2.9	304	15	4	0
10/09/2022 18:20	2.6	295	21	4	0
10/09/2022 18:30	2.7	299	17	4	0
10/09/2022 18:40	2.7	281	18	3.8	0
10/09/2022 18:50	2.5	276	17	3.6	0
10/09/2022 19:00	2.6	274	17	4.2	0
10/09/2022 19:10	2.4	281	21	3.7	0
10/09/2022 19:20	2.1	296	25	3.4	0
10/09/2022 19:30	2.2	288	19	3.6	0
10/09/2022 19:40	2.5	269	20	3.6	0
10/09/2022 19:50	2.5	266	22	3.9	0
10/09/2022 20:00	2.6	268	20	4.2	0
10/09/2022 20:10	2	277	23	3.6	0
10/09/2022 20:20	2.5	284	18	4.4	0
10/09/2022 20:30	2.4	282	26	4	0
10/09/2022 20:40	2.2	286	21	3.5	0
10/09/2022 20:50	1.9	279	24	3.2	0
10/09/2022 21:00	2.1	268	21	3.5	0
10/09/2022 21:10	2	265	23	3.2	0
10/09/2022 21:20	2.1	266	22	3.4	0
10/09/2022 21:30	1.9	264	22	3.2	0
10/09/2022 21:40	2.2	266	20	3.2	0
10/09/2022 21:50	2.2	263	22	3.5	0
10/09/2022 22:00	2.5	263	23	3.9	0
10/09/2022 22:10	2.2	272	21	3.5	0
10/09/2022 22:20	2.3	270	20	3.6	0
10/09/2022 22:30	2.3	273	23	3.6	0
10/09/2022 22:40	2.6	272	18	4	0
10/09/2022 22:50	2.4	271	23	3.7	0
10/09/2022 23:00	2	270	27	3.2	0
10/09/2022 23:10	2.6	274	23	3.8	0
10/09/2022 23:20	2.8	270	23	4.2	0
10/09/2022 23:30	2.3	278	23	3.6	0
10/09/2022 23:40	2	270	45	3.7	0
10/09/2022 23:50	2.3	277	39	4.4	0
10/10/2022 00:00	1.8	277	42	3.6	0
10/10/2022 00:10	2	277	40	3.7	0
10/10/2022 00:20	1.8	256	43	3.6	0
10/10/2022 00:30	1.7	242	47	3.2	0
10/10/2022 00:40	1.8	256	45	3.7	0
10/10/2022 00:50	1.6	241	69	4.2	0
10/10/2022 01:00	1.5	231	52	4	0
10/10/2022 01:10	1.5	253	57	3.2	0
10/10/2022 01:20	1.4	197	42	2.6	0
10/10/2022 01:30	1.2	206	52	2.4	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/10/2022 01:40	1.2	205	51	3	0
10/10/2022 01:50	1.6	219	56	3.6	0
10/10/2022 02:00	1.9	240	51	3.6	0
10/10/2022 02:10	1.9	214	54	4.2	0
10/10/2022 02:20	1.6	209	66	3.2	0
10/10/2022 02:30	1.4	195	59	2.8	0
10/10/2022 02:40	1.4	223	74	3.2	0
10/10/2022 02:50	1.5	233	43	3.1	0
10/10/2022 03:00	1.3	206	71	2.8	0
10/10/2022 03:10	1.2	167	62	2.1	0
10/10/2022 03:20	0.8	173	72	1.5	0
10/10/2022 03:30	0.7	112	71	1.2	0
10/10/2022 03:40	1	171	59	1.8	0
10/10/2022 03:50	1	192	74	1.9	0
10/10/2022 04:00	1	198	66	2.3	0
10/10/2022 04:10	0.9	218	80	1.9	0
10/10/2022 04:20	0.9	138	76	1.7	0
10/10/2022 04:30	1.1	168	51	2	0
10/10/2022 04:40	1	244	85	2.4	0
10/10/2022 04:50	0.8	47	66	1.5	0
10/10/2022 05:00	0.6	196	81	1.2	0
10/10/2022 05:10	0.8	268	52	1.8	0
10/10/2022 05:20	0.7	245	60	1.3	0
10/10/2022 05:30	0.4	153	34	1.1	0
10/10/2022 05:40	0.7	297	63	1.6	0
10/10/2022 05:50	0.9	232	65	2	0
10/10/2022 06:00	1	254	63	2.3	0
10/10/2022 06:10	0.7	113	66	1.6	0
10/10/2022 06:20	1.1	301	55	2.3	0
10/10/2022 06:30	1.6	290	32	2.8	0
10/10/2022 06:40	2.2	274	31	3.4	0
10/10/2022 06:50	1.8	267	46	3.2	0
10/10/2022 07:00	1.4	267	66	3	0
10/10/2022 07:10	1.7	223	47	2.9	0
10/10/2022 07:20	1.6	225	48	3	0
10/10/2022 07:30	1.1	266	33	2.7	0
10/10/2022 07:40	0.2	277	8	1.6	0
10/10/2022 07:50	0.6	240	15	1.6	0
10/10/2022 08:00	2	245	31	3.3	0
10/10/2022 08:10	2	250	29	3.1	0
10/10/2022 08:20	1.8	254	28	2.9	0
10/10/2022 08:30	1.8	255	40	3.1	0
10/10/2022 08:40	1.7	223	46	2.9	0
10/10/2022 08:50	1.7	284	35	2.8	0
10/10/2022 09:00	1.7	279	39	3.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/10/2022 09:10	3.2	214	30	5.2	0
10/10/2022 09:20	2.9	197	21	4.7	0
10/10/2022 09:30	3.1	189	23	4.7	0
10/10/2022 09:40	3	190	19	4.6	0
10/10/2022 09:50	3	203	26	4.8	0
10/10/2022 10:00	2.9	206	27	4.7	0
10/10/2022 10:10	3.4	207	26	5	0
10/10/2022 10:20	3.3	232	25	5.5	0
10/10/2022 10:30	3	274	25	4.4	0
10/10/2022 10:40	2.8	291	25	4.4	0
10/10/2022 10:50	2.8	283	25	4.2	0
10/10/2022 11:00	2.5	279	27	4.1	0
10/10/2022 11:10	2.7	281	27	4	0
10/10/2022 11:20	2.9	298	22	5.2	0
10/10/2022 11:30	3.1	292	26	5.2	0
10/10/2022 11:40	3.4	273	25	5.2	0
10/10/2022 11:50	3.4	273	20	5.6	0
10/10/2022 12:00	3.5	266	22	5.7	0
10/10/2022 12:10	3	266	28	5.6	0
10/10/2022 12:20	3.6	268	26	5.6	0
10/10/2022 12:30	3.6	273	22	5.2	0
10/10/2022 12:40	3.6	271	25	5.6	0
10/10/2022 12:50	3.8	275	22	6.6	0
10/10/2022 13:00	3.8	275	24	6.1	0
10/10/2022 13:10	4	278	25	5.9	0
10/10/2022 13:20	3.9	271	29	6.2	0
10/10/2022 13:30	4.2	283	20	6.8	0
10/10/2022 13:40	4	272	28	7.2	0
10/10/2022 13:50	5	263	23	7.7	0
10/10/2022 14:00	3.9	268	28	6	0
10/10/2022 14:10	3.9	272	23	6.3	0
10/10/2022 14:20	4.1	270	27	7.2	0
10/10/2022 14:30	4.3	267	29	7.9	0
10/10/2022 14:40	5.1	265	25	8	0
10/10/2022 14:50	4.9	269	32	8.5	0
10/10/2022 15:00	4.6	270	24	7.7	0
10/10/2022 15:10	5	274	24	7.9	0
10/10/2022 15:20	3.7	252	34	6.4	0
10/10/2022 15:30	3.1	248	48	6.2	0
10/10/2022 15:40	4	263	29	7.6	0
10/10/2022 15:50	3.5	265	41	6.4	0
10/10/2022 16:00	3.7	271	35	7.2	0
10/10/2022 16:10	4.3	274	23	7.3	0
10/10/2022 16:20	4.4	273	28	7.9	0
10/10/2022 16:30	4.7	267	24	7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/10/2022 16:40	4.5	269	27	8.5	0
10/10/2022 16:50	3.9	267	38	7.2	0
10/10/2022 17:00	3.2	271	35	5.8	0
10/10/2022 17:10	3.7	260	43	6.7	0
10/10/2022 17:20	5	268	21	7.6	0
10/10/2022 17:30	4.5	273	25	7.6	0
10/10/2022 17:40	4.2	272	23	7.3	0
10/10/2022 17:50	3.9	275	24	6	0
10/10/2022 18:00	4.3	268	21	7.4	0
10/10/2022 18:10	3.8	271	23	6.3	0
10/10/2022 18:20	4	274	31	6.8	0
10/10/2022 18:30	3.6	273	24	6.7	0
10/10/2022 18:40	3.5	278	29	6.4	0
10/10/2022 18:50	4.1	272	24	7	0
10/10/2022 19:00	3.2	263	44	5.7	0
10/10/2022 19:10	2.8	262	48	6.3	0
10/10/2022 19:20	2.6	265	45	5.2	0
10/10/2022 19:30	2.6	263	54	5.8	0
10/10/2022 19:40	3	259	36	5.9	0
10/10/2022 19:50	2.5	263	46	6.1	0
10/10/2022 20:00	2.4	251	55	4.8	0
10/10/2022 20:10	2.6	261	46	4.9	0
10/10/2022 20:20	2.5	225	46	5.3	0
10/10/2022 20:30	2.6	246	43	5.1	0
10/10/2022 20:40	2.6	259	44	5.9	0
10/10/2022 20:50	2.4	249	42	4.6	0
10/10/2022 21:00	2.8	256	33	5.1	0
10/10/2022 21:10	2.2	258	42	4.2	0
10/10/2022 21:20	2.7	260	34	4.8	0
10/10/2022 21:30	2.2	262	59	4.9	0
10/10/2022 21:40	2.3	248	45	4.7	0
10/10/2022 21:50	2.3	255	53	4.3	0
10/10/2022 22:00	2.4	264	45	4.4	0
10/10/2022 22:10	2.1	252	55	4.7	0
10/10/2022 22:20	2.5	259	35	4.4	0
10/10/2022 22:30	1.9	251	55	4.2	0
10/10/2022 22:40	2.2	251	47	4.5	0
10/10/2022 22:50	2	248	49	3.6	0
10/10/2022 23:00	2.6	269	34	4.6	0
10/10/2022 23:10	2.5	266	26	4	0
10/10/2022 23:20	2.6	264	32	4.8	0
10/10/2022 23:30	3.3	262	26	5.6	0
10/10/2022 23:40	2.8	265	37	5.2	0
10/10/2022 23:50	2.2	240	55	4.4	0
10/11/2022 00:00	2	247	62	3.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/11/2022 00:10	2.3	238	45	4.2	0
10/11/2022 00:20	2.6	264	30	4.3	0
10/11/2022 00:30	2.4	256	40	4.8	0
10/11/2022 00:40	2.8	267	30	5.4	0
10/11/2022 00:50	2.2	264	43	4.6	0
10/11/2022 01:00	1.8	273	54	4	0
10/11/2022 01:10	2.4	272	30	4.1	0
10/11/2022 01:20	2	271	46	4.3	0
10/11/2022 01:30	2.2	263	43	3.9	0
10/11/2022 01:40	2.4	274	32	4.3	0
10/11/2022 01:50	2.6	278	21	4	0
10/11/2022 02:00	2.8	276	24	4.5	0
10/11/2022 02:10	2.7	280	26	4.8	0
10/11/2022 02:20	2.3	272	40	4.4	0
10/11/2022 02:30	2	266	34	3.5	0
10/11/2022 02:40	1.9	276	44	3.6	0
10/11/2022 02:50	1.5	252	58	3.1	0
10/11/2022 03:00	1.6	238	55	3.3	0
10/11/2022 03:10	1.7	257	46	3.7	0
10/11/2022 03:20	1.3	269	63	2.7	0
10/11/2022 03:30	1.6	230	52	2.9	0
10/11/2022 03:40	1.3	272	59	3	0
10/11/2022 03:50	1.1	238	82	2.2	0
10/11/2022 04:00	0.7	240	70	1.4	0
10/11/2022 04:10	1.4	248	42	2.7	0
10/11/2022 04:20	1.1	267	31	1.6	0
10/11/2022 04:30	1.4	264	23	2.1	0
10/11/2022 04:40	1.9	275	10	2.7	0
10/11/2022 04:50	1.7	277	11	2.3	0
10/11/2022 05:00	1.5	283	9	2	0
10/11/2022 05:10	1.9	274	13	3.2	0
10/11/2022 05:20	2.4	263	21	3.6	0
10/11/2022 05:30	2.1	260	22	3.1	0
10/11/2022 05:40	1.7	247	39	3.1	0
10/11/2022 05:50	2.6	214	32	4.6	0
10/11/2022 06:00	3.4	207	20	5	0
10/11/2022 06:10	3.9	201	11	5.2	0
10/11/2022 06:20	3.4	204	12	4.3	0
10/11/2022 06:30	3.1	204	14	4.3	0
10/11/2022 06:40	3.1	199	13	4.3	0
10/11/2022 06:50	3.7	196	11	4.9	0
10/11/2022 07:00	2.9	198	15	4.4	0
10/11/2022 07:10	2.6	220	27	4.6	0
10/11/2022 07:20	2.1	240	26	4.2	0
10/11/2022 07:30	1.9	245	30	3.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/11/2022 07:40	2.2	223	23	3.7	0
10/11/2022 07:50	3.1	206	13	4.4	0
10/11/2022 08:00	2.2	222	29	3.6	0
10/11/2022 08:10	1.7	221	41	3.5	0
10/11/2022 08:20	1.8	195	29	3.2	0
10/11/2022 08:30	1.8	206	30	3.3	0
10/11/2022 08:40	2.4	208	28	3.6	0
10/11/2022 08:50	1.7	250	31	2.6	0
10/11/2022 09:00	1.9	210	17	3	0
10/11/2022 09:10	1.3	207	36	2.1	0
10/11/2022 09:20	1.8	182	30	2.8	0
10/11/2022 09:30	1.6	269	51	3	0
10/11/2022 09:40	2	309	32	3	0
10/11/2022 09:50	1.3	259	64	1.8	0
10/11/2022 10:00	1.4	292	57	2.2	0
10/11/2022 10:10	1.5	86	36	2.4	0
10/11/2022 10:20	2.5	73	21	3.4	0
10/11/2022 10:30	2.2	56	16	3.2	0
10/11/2022 10:40	1.9	41	26	4	0
10/11/2022 10:50	2.2	302	46	3.4	0
10/11/2022 11:00	3.2	267	22	5	0
10/11/2022 11:10	2.8	277	30	4.4	0
10/11/2022 11:20	2.7	284	31	4.5	0
10/11/2022 11:30	3.1	277	22	4.9	0
10/11/2022 11:40	3.1	267	24	5.2	0
10/11/2022 11:50	3.3	275	18	5	0
10/11/2022 12:00	3.6	264	21	5.4	0
10/11/2022 12:10	3.6	264	20	5.6	0
10/11/2022 12:20	3.8	275	21	5.6	0
10/11/2022 12:30	3.7	272	22	5.8	0
10/11/2022 12:40	3.8	274	23	5.8	0
10/11/2022 12:50	3.7	288	19	6	0
10/11/2022 13:00	3.9	270	21	6.4	0
10/11/2022 13:10	4.4	269	22	6.6	0
10/11/2022 13:20	4	263	22	6	0
10/11/2022 13:30	4.8	277	19	6.9	0
10/11/2022 13:40	4.6	272	19	7	0
10/11/2022 13:50	4.6	272	24	7.4	0
10/11/2022 14:00	5	267	21	7.7	0
10/11/2022 14:10	5.4	267	21	8	0
10/11/2022 14:20	4.7	270	27	7.2	0
10/11/2022 14:30	4.5	273	23	8.2	0
10/11/2022 14:40	5	272	23	8.4	0
10/11/2022 14:50	4.6	268	22	7.4	0
10/11/2022 15:00	4.9	277	21	7.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/11/2022 15:10	5.2	273	22	8	0
10/11/2022 15:20	4.7	268	24	7.5	0
10/11/2022 15:30	5	275	21	7.5	0
10/11/2022 15:40	5.2	267	24	8.5	0
10/11/2022 15:50	4.9	272	22	8.2	0
10/11/2022 16:00	5	271	20	7.8	0
10/11/2022 16:10	5.4	272	21	7.9	0
10/11/2022 16:20	4.4	270	23	7.5	0
10/11/2022 16:30	4.4	279	29	8	0
10/11/2022 16:40	4.1	262	30	6.6	0
10/11/2022 16:50	4.5	275	24	7.7	0
10/11/2022 17:00	4.7	275	21	7.7	0
10/11/2022 17:10	3.9	253	48	7.9	0
10/11/2022 17:20	3.8	268	42	7.6	0
10/11/2022 17:30	3.7	263	46	6.8	0
10/11/2022 17:40	4.5	271	37	8.3	0
10/11/2022 17:50	3.6	264	44	7	0
10/11/2022 18:00	3.5	273	36	6.4	0
10/11/2022 18:10	3.8	255	35	6.5	0
10/11/2022 18:20	3.5	244	48	6.2	0
10/11/2022 18:30	2.9	250	40	5.1	0
10/11/2022 18:40	3.5	255	49	7.6	0
10/11/2022 18:50	2.8	243	44	6	0
10/11/2022 19:00	3.3	248	47	6.9	0
10/11/2022 19:10	3.2	248	44	6.3	0
10/11/2022 19:20	2.8	257	54	5.9	0
10/11/2022 19:30	3.4	247	39	6.6	0
10/11/2022 19:40	2.6	255	62	5.5	0
10/11/2022 19:50	2.8	232	55	5.9	0
10/11/2022 20:00	3	236	46	5.4	0
10/11/2022 20:10	2.6	251	59	6.1	0
10/11/2022 20:20	2.4	220	65	5.8	0
10/11/2022 20:30	3.2	216	34	6.8	0
10/11/2022 20:40	3.2	229	45	6.8	0
10/11/2022 20:50	3	226	55	5.2	0
10/11/2022 21:00	2.6	247	53	5.5	0
10/11/2022 21:10	3.1	246	42	5.9	0
10/11/2022 21:20	2.5	218	61	5.2	0
10/11/2022 21:30	2.6	226	47	6	0
10/11/2022 21:40	2.8	231	46	5.7	0
10/11/2022 21:50	2.4	221	55	4.7	0
10/11/2022 22:00	3.3	223	45	6.4	0
10/11/2022 22:10	3.2	229	41	6	0
10/11/2022 22:20	2.5	217	62	5	0
10/11/2022 22:30	2.4	223	54	4.7	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/11/2022 22:40	2.6	243	45	5.6	0
10/11/2022 22:50	2.8	244	44	5.5	0
10/11/2022 23:00	2.5	224	56	5.7	0
10/11/2022 23:10	2.2	236	61	5.6	0
10/11/2022 23:20	2.2	246	55	5.4	0
10/11/2022 23:30	2.3	249	46	4.8	0
10/11/2022 23:40	2.4	237	48	4.6	0
10/11/2022 23:50	2.3	232	58	5.2	0
10/12/2022 00:00	1.9	223	58	3.8	0
10/12/2022 00:10	2.6	240	44	5.1	0
10/12/2022 00:20	2.4	224	57	5.6	0
10/12/2022 00:30	2.4	227	52	5.5	0
10/12/2022 00:40	1.7	221	64	4.1	0
10/12/2022 00:50	1.9	251	64	4.2	0
10/12/2022 01:00	1.6	273	67	3.6	0
10/12/2022 01:10	1.7	241	67	3.6	0
10/12/2022 01:20	1.9	247	58	3.7	0
10/12/2022 01:30	1.8	250	48	4	0
10/12/2022 01:40	2.1	244	56	4.2	0
10/12/2022 01:50	1.8	250	44	3.6	0
10/12/2022 02:00	1.9	276	62	3.6	0
10/12/2022 02:10	1.7	231	61	3.6	0
10/12/2022 02:20	1.9	270	61	4.5	0
10/12/2022 02:30	1.9	219	48	3.6	0
10/12/2022 02:40	1.9	217	54	4.9	0
10/12/2022 02:50	2.3	214	43	5	0
10/12/2022 03:00	2.4	203	37	4.5	0
10/12/2022 03:10	2.6	211	34	5.6	0
10/12/2022 03:20	3.3	207	28	5.7	0
10/12/2022 03:30	2.9	211	30	5.6	0
10/12/2022 03:40	3.5	215	31	5.8	0
10/12/2022 03:50	3.4	209	27	5.7	0
10/12/2022 04:00	3.2	208	29	5.5	0
10/12/2022 04:10	3.2	213	35	6	0
10/12/2022 04:20	3.4	208	28	6	0
10/12/2022 04:30	3.5	214	26	5.6	0
10/12/2022 04:40	3.5	207	25	6	0
10/12/2022 04:50	3.5	209	29	6	0
10/12/2022 05:00	3.5	217	30	7.1	0
10/12/2022 05:10	3.5	211	30	6.4	0
10/12/2022 05:20	3.3	201	24	6.1	0
10/12/2022 05:30	3.2	207	29	5.1	0
10/12/2022 05:40	2.9	212	33	5.4	0
10/12/2022 05:50	3.2	205	29	6.1	0
10/12/2022 06:00	3.1	212	28	5.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/12/2022 06:10	3.2	207	26	5.3	0
10/12/2022 06:20	4.4	206	21	6.8	0
10/12/2022 06:30	3.9	205	21	6.4	0
10/12/2022 06:40	4.3	204	18	7	0
10/12/2022 06:50	5.1	204	17	7.2	0
10/12/2022 07:00	4.5	206	21	6.9	0
10/12/2022 07:10	5	202	18	7	0
10/12/2022 07:20	4.3	209	19	6.4	0
10/12/2022 07:30	4.2	203	16	6.4	0
10/12/2022 07:40	4.3	203	14	6.3	0
10/12/2022 07:50	4.1	201	16	6.3	0
10/12/2022 08:00	3.9	199	19	6.1	0
10/12/2022 08:10	4.4	200	15	6.5	0
10/12/2022 08:20	4.7	195	16	7.1	0
10/12/2022 08:30	4.4	197	13	6.8	0
10/12/2022 08:40	4.1	191	15	5.6	0
10/12/2022 08:50	3.5	201	23	5.5	0
10/12/2022 09:00	4.4	204	13	5.9	0
10/12/2022 09:10	3.9	201	15	5.5	0
10/12/2022 09:20	3.8	206	19	5.8	0
10/12/2022 09:30	3.5	204	20	5.2	0
10/12/2022 09:40	4.6	199	15	6.8	0
10/12/2022 09:50	3.7	198	18	6	0
10/12/2022 10:00	3.9	198	19	6.4	0
10/12/2022 10:10	3.8	196	21	5.7	0
10/12/2022 10:20	3.9	202	17	6.2	0
10/12/2022 10:30	4.1	200	18	6.6	0
10/12/2022 10:40	4.1	197	20	7.4	0
10/12/2022 10:50	4.3	205	23	6.5	0
10/12/2022 11:00	4.1	202	30	6.8	0
10/12/2022 11:10	4.4	207	22	6.8	0
10/12/2022 11:20	3.9	204	24	6.8	0
10/12/2022 11:30	4.7	198	18	6.9	0
10/12/2022 11:40	4.2	205	25	7.2	0
10/12/2022 11:50	4.6	202	20	7.3	0
10/12/2022 12:00	5.2	197	18	7.7	0
10/12/2022 12:10	5.1	195	19	8.7	0
10/12/2022 12:20	4.8	197	17	7.6	0
10/12/2022 12:30	5.1	191	17	7.6	0
10/12/2022 12:40	5.9	198	15	9.1	0
10/12/2022 12:50	5	204	17	7.7	0
10/12/2022 13:00	5.1	195	17	7.7	0
10/12/2022 13:10	5.3	197	15	8	0
10/12/2022 13:20	5.5	196	19	8.6	0
10/12/2022 13:30	5.5	201	18	8.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/12/2022 13:40	4.8	198	14	7.2	0
10/12/2022 13:50	4.6	204	22	8.1	0
10/12/2022 14:00	5.4	191	17	8.6	0
10/12/2022 14:10	5.1	197	17	7.6	0
10/12/2022 14:20	5	198	18	7.9	0
10/12/2022 14:30	5	199	12	7.1	0
10/12/2022 14:40	5.6	194	18	8.4	0
10/12/2022 14:50	5.6	201	19	8.2	0
10/12/2022 15:00	5.1	203	15	7.3	0
10/12/2022 15:10	5	194	15	8.2	0
10/12/2022 15:20	5	197	19	8.3	0
10/12/2022 15:30	5.5	201	15	8.6	0
10/12/2022 15:40	5.6	196	17	9	0
10/12/2022 15:50	6	196	15	10.2	0
10/12/2022 16:00	6.9	197	11	10	0
10/12/2022 16:10	6.5	196	11	9.6	0
10/12/2022 16:20	5.7	197	13	7.9	0
10/12/2022 16:30	4.9	196	16	7	0
10/12/2022 16:40	5.5	194	12	7.6	0
10/12/2022 16:50	5.4	200	13	7.8	0
10/12/2022 17:00	4.7	201	15	7.4	0
10/12/2022 17:10	4.9	199	17	7.6	0
10/12/2022 17:20	4.9	195	17	6.8	0
10/12/2022 17:30	5	198	14	6.8	0
10/12/2022 17:40	4.4	197	16	6.4	0
10/12/2022 17:50	4.8	195	13	7.2	0
10/12/2022 18:00	4.1	205	16	6.3	0
10/12/2022 18:10	4.5	202	15	6.3	0
10/12/2022 18:20	3.6	205	17	5.4	0
10/12/2022 18:30	3.5	207	17	5.4	0
10/12/2022 18:40	3.4	204	17	5	0
10/12/2022 18:50	3.8	202	19	6.4	0
10/12/2022 19:00	4.5	206	14	6.3	0
10/12/2022 19:10	4.3	209	13	6.2	0
10/12/2022 19:20	3.8	209	15	5.1	0
10/12/2022 19:30	4.1	209	15	6.2	0
10/12/2022 19:40	4.1	206	14	5.9	0
10/12/2022 19:50	4.6	206	12	6.4	0
10/12/2022 20:00	4.3	207	16	5.9	0
10/12/2022 20:10	4.4	208	15	6.2	0
10/12/2022 20:20	4.3	208	14	6.5	0
10/12/2022 20:30	4.7	205	14	7	0
10/12/2022 20:40	4.3	208	13	7.2	0
10/12/2022 20:50	4.5	212	15	6.3	0
10/12/2022 21:00	4.9	210	15	6.7	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/12/2022 21:10	4.7	209	13	7.1	0
10/12/2022 21:20	4.7	207	13	7.1	0
10/12/2022 21:30	4.6	206	15	6.8	0
10/12/2022 21:40	4.6	210	17	6.6	0
10/12/2022 21:50	5.1	208	14	7.1	0
10/12/2022 22:00	5.4	207	14	7.3	0
10/12/2022 22:10	4.9	208	16	6.8	0
10/12/2022 22:20	4.9	210	14	6.6	0
10/12/2022 22:30	4.7	209	14	6.1	0
10/12/2022 22:40	4.5	210	15	6.4	0
10/12/2022 22:50	5	208	15	7.4	0
10/12/2022 23:00	4.8	210	15	6.9	0
10/12/2022 23:10	4.6	205	16	6.9	0
10/12/2022 23:20	4.5	211	15	6.9	0
10/12/2022 23:30	4.6	208	15	6.8	0
10/12/2022 23:40	4.5	206	16	6.5	0
10/12/2022 23:50	3.7	209	16	5.4	0
13/10/2022 00:00	3.1	208	16	5	0
13/10/2022 00:10	3.2	216	18	4.8	0
13/10/2022 00:20	3.2	208	18	5.2	0
13/10/2022 00:30	2.7	204	27	4.6	0
13/10/2022 00:40	3.1	204	19	4.8	0
13/10/2022 00:50	3.1	209	21	4.8	0
13/10/2022 01:00	3	213	20	4.5	0
13/10/2022 01:10	3	207	19	4.3	0
13/10/2022 01:20	3	214	18	4.3	0
13/10/2022 01:30	3.2	203	18	4.8	0
13/10/2022 01:40	3.3	205	18	4.6	0
13/10/2022 01:50	3.6	208	15	5.2	0
13/10/2022 02:00	3.3	202	16	4.8	0
13/10/2022 02:10	3.3	208	16	5.2	0
13/10/2022 02:20	3	212	18	4.4	0
13/10/2022 02:30	3.1	207	17	4.8	0
13/10/2022 02:40	2.7	201	17	4.4	0
13/10/2022 02:50	2.7	205	17	4.3	0
13/10/2022 03:00	2	196	30	3.7	0
13/10/2022 03:10	1.1	116	65	2.4	0
13/10/2022 03:20	1	198	48	1.9	0
13/10/2022 03:30	1.1	89	58	2.4	0
13/10/2022 03:40	1.5	137	46	3	0
13/10/2022 03:50	1.8	143	39	3.5	0
13/10/2022 04:00	1.6	144	54	2.9	0
13/10/2022 04:10	1.6	155	58	4.2	0
13/10/2022 04:20	1.7	171	45	4.3	0
13/10/2022 04:30	1.7	174	30	3.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/10/2022 04:40	1.8	152	40	3.6	0
13/10/2022 04:50	2.1	158	36	4	0
13/10/2022 05:00	2.4	166	31	5.2	0
13/10/2022 05:10	2.7	161	28	4.4	0
13/10/2022 05:20	2.9	165	21	4.7	0
13/10/2022 05:30	2.5	157	22	3.6	0
13/10/2022 05:40	2.3	164	21	3.6	0
13/10/2022 05:50	2.8	138	30	5.6	0
13/10/2022 06:00	3.2	106	29	6	0
13/10/2022 06:10	3.6	116	19	5.3	0
13/10/2022 06:20	3.4	120	13	5.1	0
13/10/2022 06:30	2.8	111	17	4	0
13/10/2022 06:40	4.2	95	21	6.9	0
13/10/2022 06:50	6.3	92	17	9.5	0
13/10/2022 07:00	6.6	85	17	10	0
13/10/2022 07:10	6.3	89	20	9.5	0
13/10/2022 07:20	5.9	93	18	9.5	0
13/10/2022 07:30	6.1	90	20	9.3	0
13/10/2022 07:40	7.1	88	16	10	0
13/10/2022 07:50	6.7	90	15	9.5	0
13/10/2022 08:00	6.5	89	15	9.1	0
13/10/2022 08:10	7.5	84	15	11.5	0
13/10/2022 08:20	7.3	89	16	10.2	0
13/10/2022 08:30	6.8	92	20	10.4	0
13/10/2022 08:40	6.6	88	17	9.5	0
13/10/2022 08:50	6.1	93	20	10.1	0
13/10/2022 09:00	6.4	90	17	9.2	0
13/10/2022 09:10	7.6	81	13	10.3	0
13/10/2022 09:20	7	83	15	9.7	0
13/10/2022 09:30	7.1	83	15	10.2	0
13/10/2022 09:40	7.3	85	15	9.9	0
13/10/2022 09:50	7.2	82	15	10.3	0
13/10/2022 10:00	7	84	13	9.8	0
13/10/2022 10:10	6.5	80	15	9.5	0
13/10/2022 10:20	6.5	80	14	9	0
13/10/2022 10:30	6.4	78	13	8.6	0
13/10/2022 10:40	6.3	75	14	8.7	0
13/10/2022 10:50	6.2	78	16	8.7	0
13/10/2022 11:00	5.8	76	15	8.8	0
13/10/2022 11:10	6.3	72	14	8.8	0
13/10/2022 11:20	5.7	68	16	7.8	0
13/10/2022 11:30	5.5	64	16	7.9	0
13/10/2022 11:40	6	61	13	7.9	0
13/10/2022 11:50	6.4	58	10	7.9	0
13/10/2022 12:00	5.7	56	11	7.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/10/2022 12:10	5.7	57	14	7.5	0
13/10/2022 12:20	5.5	58	13	7.2	0
13/10/2022 12:30	5.5	54	13	7.5	0
13/10/2022 12:40	5	53	14	7.1	0
13/10/2022 12:50	4.9	53	15	6.9	0
13/10/2022 13:00	5.1	45	13	7	0
13/10/2022 13:10	5.2	46	15	7.4	0
13/10/2022 13:20	5.4	48	13	7.1	0
13/10/2022 13:30	4.8	46	14	6.8	0
13/10/2022 13:40	4.7	41	12	6.4	0
13/10/2022 13:50	5.1	43	11	7.3	0
13/10/2022 14:00	4.6	41	11	6.4	0
13/10/2022 14:10	4.6	34	14	6.8	0
13/10/2022 14:20	4.9	38	13	6.6	0
13/10/2022 14:30	4.9	38	11	6.7	0
13/10/2022 14:40	4.6	34	12	6.4	0
13/10/2022 14:50	4.7	39	13	6.5	0
13/10/2022 15:00	4.5	40	14	6	0
13/10/2022 15:10	4.2	35	14	6.1	0
13/10/2022 15:20	4.3	42	15	6	0
13/10/2022 15:30	4.4	42	15	5.8	0
13/10/2022 15:40	4.4	43	13	6.1	0
13/10/2022 15:50	4.2	38	13	6.3	0
13/10/2022 16:00	4	34	11	5.4	0
13/10/2022 16:10	3.9	29	16	5.3	0
13/10/2022 16:20	4	39	15	5.7	0
13/10/2022 16:30	3.9	24	15	5.3	0
13/10/2022 16:40	4.4	10	16	6.6	0
13/10/2022 16:50	4.9	175	15	6.6	0
13/10/2022 17:00	4.1	351	16	5.9	0
13/10/2022 17:10	4.4	342	13	6	0
13/10/2022 17:20	3.6	338	14	5.1	0
13/10/2022 17:30	3.6	338	12	4.9	0
13/10/2022 17:40	3.7	337	11	5.1	0
13/10/2022 17:50	3.2	346	11	4.6	0
13/10/2022 18:00	3.6	354	12	4.5	0
13/10/2022 18:10	3.1	345	15	4.1	0
13/10/2022 18:20	2.7	339	12	3.9	0
13/10/2022 18:30	2.6	341	14	3.7	0
13/10/2022 18:40	2.4	319	19	3.3	0
13/10/2022 18:50	2.5	257	33	4.4	0
13/10/2022 19:00	2.3	306	31	3.5	0
13/10/2022 19:10	2	272	37	3.5	0
13/10/2022 19:20	2.4	265	23	4	0
13/10/2022 19:30	2	264	42	3.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/10/2022 19:40	2.1	265	30	3.4	0
13/10/2022 19:50	2.3	258	30	3.8	0
13/10/2022 20:00	1.6	259	37	2.7	0
13/10/2022 20:10	1.2	268	54	2.5	0
13/10/2022 20:20	1.8	247	36	3.3	0
13/10/2022 20:30	1.5	252	34	2.9	0
13/10/2022 20:40	1.9	250	37	3.6	0
13/10/2022 20:50	1.1	230	50	2.1	0
13/10/2022 21:00	1.5	204	35	2.4	0
13/10/2022 21:10	1.5	205	45	3.1	0
13/10/2022 21:20	1.7	230	38	3.1	0
13/10/2022 21:30	1.7	205	38	3.2	0
13/10/2022 21:40	1.4	215	46	2.7	0
13/10/2022 21:50	1.5	208	51	2.7	0
13/10/2022 22:00	2.7	198	20	4.1	0
13/10/2022 22:10	2.7	203	25	4.2	0
13/10/2022 22:20	2.8	205	24	4.8	0
13/10/2022 22:30	3	200	22	5.4	0
13/10/2022 22:40	3.2	203	20	4.9	0
13/10/2022 22:50	2.7	203	23	4.7	0
13/10/2022 23:00	2.5	203	24	4.4	0
13/10/2022 23:10	3.2	199	21	5.5	0
13/10/2022 23:20	3.4	206	21	5.6	0
13/10/2022 23:30	3.6	203	17	5.2	0
13/10/2022 23:40	2.6	206	25	4.7	0
13/10/2022 23:50	1.9	223	39	3.4	0
14/10/2022 00:00	2	207	37	3.3	0
14/10/2022 00:10	3.1	203	17	4.8	0
14/10/2022 00:20	3.8	191	14	5.4	0
14/10/2022 00:30	3.6	194	14	5.5	0
14/10/2022 00:40	2.7	208	27	4.5	0
14/10/2022 00:50	3.3	196	16	4.8	0
14/10/2022 01:00	3.5	191	14	5.2	0
14/10/2022 01:10	3.4	193	16	5.2	0
14/10/2022 01:20	4.1	195	14	5.8	0
14/10/2022 01:30	3.4	197	16	5.2	0
14/10/2022 01:40	2.7	198	28	4.6	0
14/10/2022 01:50	3.1	196	25	5.2	0
14/10/2022 02:00	3.6	193	15	5.3	0
14/10/2022 02:10	3.4	188	15	5	0
14/10/2022 02:20	3	189	16	4.5	0
14/10/2022 02:30	3.3	201	14	4.7	0
14/10/2022 02:40	2.9	210	13	3.8	0
14/10/2022 02:50	3.1	202	13	4.1	0
14/10/2022 03:00	2.8	194	15	3.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/10/2022 03:10	3	190	14	4.4	0
14/10/2022 03:20	3.1	193	12	4.4	0
14/10/2022 03:30	3.9	195	9	5.4	0
14/10/2022 03:40	3.7	193	10	5.1	0
14/10/2022 03:50	3.4	196	11	4.4	0
14/10/2022 04:00	3.6	197	10	4.8	0
14/10/2022 04:10	4.2	198	9	5.5	0
14/10/2022 04:20	4.3	197	8	5.5	0
14/10/2022 04:30	4.5	195	10	5.9	0
14/10/2022 04:40	5	192	10	6.4	0
14/10/2022 04:50	5.1	193	10	6.7	0
14/10/2022 05:00	5	192	11	6.8	0
14/10/2022 05:10	5	193	9	6.3	0
14/10/2022 05:20	4.7	196	11	6.4	0
14/10/2022 05:30	3.6	182	14	5.2	0
14/10/2022 05:40	3.3	160	16	5.2	0
14/10/2022 05:50	3.6	156	15	5.2	0
14/10/2022 06:00	3.6	158	20	5.3	0
14/10/2022 06:10	3.2	167	16	4.9	0
14/10/2022 06:20	3	162	20	4.7	0
14/10/2022 06:30	2.6	159	16	3.8	0
14/10/2022 06:40	3.5	162	18	5	0
14/10/2022 06:50	3.1	149	25	5	0
14/10/2022 07:00	3.6	127	24	5.9	0
14/10/2022 07:10	3.6	123	22	5.7	0
14/10/2022 07:20	3.2	124	21	4.9	0
14/10/2022 07:30	2.5	127	18	3.9	0
14/10/2022 07:40	2.6	126	22	3.8	0
14/10/2022 07:50	2.7	124	24	4.1	0
14/10/2022 08:00	2.8	118	20	4.4	0
14/10/2022 08:10	3.1	116	19	4.6	0
14/10/2022 08:20	3	118	16	4.3	0
14/10/2022 08:30	2.8	100	20	4.1	0
14/10/2022 08:40	3.2	78	12	4.2	0
14/10/2022 08:50	4.3	79	17	6.4	0
14/10/2022 09:00	5.3	73	15	7.5	0
14/10/2022 09:10	4.8	67	17	7.4	0
14/10/2022 09:20	4.9	67	14	7.2	0
14/10/2022 09:30	4.5	69	16	6.4	0
14/10/2022 09:40	4.7	65	13	6.8	0
14/10/2022 09:50	4.6	59	11	6.4	0
14/10/2022 10:00	5.1	57	10	6.4	0
14/10/2022 10:10	5.3	58	10	6.8	0
14/10/2022 10:20	4.7	59	10	6.8	0
14/10/2022 10:30	4.3	53	14	5.7	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/10/2022 10:40	4.7	54	11	6.1	0
14/10/2022 10:50	4.4	51	14	5.7	0
14/10/2022 11:00	5.4	59	10	7.2	0
14/10/2022 11:10	4.9	58	14	6.9	0
14/10/2022 11:20	4.9	53	13	7.1	0
14/10/2022 11:30	4.9	49	14	6.8	0
14/10/2022 11:40	5	49	11	7.2	0
14/10/2022 11:50	4.7	47	13	6.5	0
14/10/2022 12:00	4.7	48	12	6.3	0
14/10/2022 12:10	4.5	42	13	6.4	0
14/10/2022 12:20	5	43	8	6.3	0
14/10/2022 12:30	4.5	46	12	6	0
14/10/2022 12:40	4.8	42	12	6.2	0
14/10/2022 12:50	4.7	43	12	6.3	0
14/10/2022 13:00	4.5	37	15	6.1	0
14/10/2022 13:10	4.5	39	14	5.9	0
14/10/2022 13:20	4.6	41	14	6.2	0
14/10/2022 13:30	4.8	44	13	6.4	0
14/10/2022 13:40	4.9	43	13	6.9	0
14/10/2022 13:50	4.7	41	12	6.6	0
14/10/2022 14:00	5	46	11	6.6	0
14/10/2022 14:10	5.1	43	11	6.7	0
14/10/2022 14:20	4.8	38	13	6.6	0
14/10/2022 14:30	4.3	44	13	6	0
14/10/2022 14:40	4.5	46	11	6	0
14/10/2022 14:50	4.4	47	11	6.3	0
14/10/2022 15:00	4.3	41	12	6.1	0
14/10/2022 15:10	4.1	48	11	5.8	0
14/10/2022 15:20	4.4	52	10	5.6	0
14/10/2022 15:30	3.9	49	11	5.2	0
14/10/2022 15:40	3.9	50	10	5.3	0
14/10/2022 15:50	4	45	10	5.2	0
14/10/2022 16:00	3.9	44	11	5.2	0
14/10/2022 16:10	3.9	184	17	5.5	0
14/10/2022 16:20	3.9	354	16	6.1	0
14/10/2022 16:30	4.6	352	12	6.1	0
14/10/2022 16:40	4.7	337	15	5.7	0
14/10/2022 16:50	3.9	336	12	5.5	0
14/10/2022 17:00	3.9	345	11	5.7	0
14/10/2022 17:10	3.5	347	15	5.3	0
14/10/2022 17:20	3.6	337	12	4.8	0
14/10/2022 17:30	3.4	336	15	5.2	0
14/10/2022 17:40	3.4	335	12	5	0
14/10/2022 17:50	3.4	338	12	4.4	0
14/10/2022 18:00	2.7	339	15	3.6	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/10/2022 18:10	2.4	317	18	3.9	0
14/10/2022 18:20	2.4	326	12	3.6	0
14/10/2022 18:30	2.7	313	18	3.9	0
14/10/2022 18:40	2.3	312	11	3.4	0
14/10/2022 18:50	2.1	287	19	3.2	0
14/10/2022 19:00	2.3	293	21	3.2	0
14/10/2022 19:10	2.6	290	22	4	0
14/10/2022 19:20	2.2	276	21	3.5	0
14/10/2022 19:30	2.1	273	25	3.1	0
14/10/2022 19:40	2.2	263	18	3.5	0
14/10/2022 19:50	2.3	261	21	3.6	0
14/10/2022 20:00	2.2	264	19	3.6	0
14/10/2022 20:10	2.4	265	18	3.7	0
14/10/2022 20:20	2.1	272	22	3.2	0
14/10/2022 20:30	2	262	20	3.2	0
14/10/2022 20:40	1.6	224	26	2.7	0
14/10/2022 20:50	1.6	249	31	2.4	0
14/10/2022 21:00	1.7	265	25	2.4	0
14/10/2022 21:10	1.4	267	27	2.4	0
14/10/2022 21:20	2	265	16	3.1	0
14/10/2022 21:30	2	268	21	3	0
14/10/2022 21:40	1.7	277	24	2.7	0
14/10/2022 21:50	1.5	270	33	2.5	0
14/10/2022 22:00	1.5	266	24	2.4	0
14/10/2022 22:10	1.3	250	42	2	0
14/10/2022 22:20	1	233	56	2	0
14/10/2022 22:30	1.4	207	29	2.3	0
14/10/2022 22:40	1	220	54	1.9	0
14/10/2022 22:50	0.9	191	45	1.8	0
14/10/2022 23:00	1	199	47	1.9	0
14/10/2022 23:10	1	189	44	1.8	0
14/10/2022 23:20	1.1	218	54	2	0
14/10/2022 23:30	1.6	199	28	2.8	0
14/10/2022 23:40	2	192	24	3.4	0
14/10/2022 23:50	2	189	31	3.4	0
15/10/2022 00:00	3.2	195	16	4.8	0
15/10/2022 00:10	3.3	190	15	5.1	0
15/10/2022 00:20	2.8	201	23	4.6	0
15/10/2022 00:30	3	197	17	4.2	0
15/10/2022 00:40	2.3	203	30	4.4	0
15/10/2022 00:50	3.2	195	27	5.2	0
15/10/2022 01:00	3.2	201	21	5.2	0
15/10/2022 01:10	2.2	202	31	3.5	0
15/10/2022 01:20	2.2	199	26	3.9	0
15/10/2022 01:30	2.2	221	30	4.3	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/10/2022 01:40	1.7	234	44	3.7	0
15/10/2022 01:50	1.7	248	52	3.4	0
15/10/2022 02:00	1.6	255	46	3.6	0
15/10/2022 02:10	1.4	232	53	2.8	0
15/10/2022 02:20	1.2	287	41	2.3	0
15/10/2022 02:30	1.1	317	27	1.7	0
15/10/2022 02:40	1.2	301	42	2	0
15/10/2022 02:50	1.2	269	54	2.2	0
15/10/2022 03:00	1.4	247	58	2.7	0
15/10/2022 03:10	2	260	29	3.5	0
15/10/2022 03:20	2.2	221	33	4.2	0
15/10/2022 03:30	2.7	220	35	4.7	0
15/10/2022 03:40	2.9	210	32	5.5	0
15/10/2022 03:50	2.9	206	31	4.9	0
15/10/2022 04:00	2.9	206	27	5	0
15/10/2022 04:10	3.9	206	18	5.9	0
15/10/2022 04:20	4.1	204	16	5.9	0
15/10/2022 04:30	4	199	15	6	0
15/10/2022 04:40	4.4	203	13	6.4	0
15/10/2022 04:50	4.7	198	13	6.8	0
15/10/2022 05:00	4.4	196	14	6.6	0
15/10/2022 05:10	4.6	193	15	7.2	0
15/10/2022 05:20	4.5	198	16	6.9	0
15/10/2022 05:30	4.7	196	16	7	0
15/10/2022 05:40	4.5	194	13	6.1	0
15/10/2022 05:50	4.6	193	13	6.7	0
15/10/2022 06:00	4.1	197	15	5.8	0
15/10/2022 06:10	4.9	189	10	6.7	0
15/10/2022 06:20	3.9	192	13	5.7	0
15/10/2022 06:30	3.4	194	15	5.6	0
15/10/2022 06:40	3.9	193	14	6.5	0
15/10/2022 06:50	3.8	190	17	5.2	0
15/10/2022 07:00	3.2	184	14	4.4	0
15/10/2022 07:10	2.7	196	13	3.9	0
15/10/2022 07:20	2.9	198	14	4.2	0
15/10/2022 07:30	3.7	192	12	5.2	0
15/10/2022 07:40	4.1	198	10	5.4	0
15/10/2022 07:50	3	192	16	4.5	0
15/10/2022 08:00	3.5	185	15	5.4	0
15/10/2022 08:10	3.8	190	14	5	0
15/10/2022 08:20	4.1	183	13	5.6	0
15/10/2022 08:30	4	188	15	5.9	0
15/10/2022 08:40	4.4	185	15	6.2	0
15/10/2022 08:50	4.2	189	13	6.1	0
15/10/2022 09:00	4.3	197	11	5.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/10/2022 09:10	4	195	11	5.2	0
15/10/2022 09:20	3.7	197	13	5.4	0
15/10/2022 09:30	3.5	201	15	5	0
15/10/2022 09:40	3	200	14	4.2	0
15/10/2022 09:50	3.1	196	16	4.5	0
15/10/2022 10:00	2.3	186	26	3.9	0
15/10/2022 10:10	2.3	138	35	3.6	0
15/10/2022 10:20	2.1	121	33	3	0
15/10/2022 10:30	2.9	54	12	3.7	0
15/10/2022 10:40	2.4	61	21	3.2	0
15/10/2022 10:50	2.4	55	17	3.1	0
15/10/2022 11:00	2.4	56	15	3.2	0
15/10/2022 11:10	2.4	55	17	3	0
15/10/2022 11:20	2.3	50	19	2.9	0
15/10/2022 11:30	2	56	18	2.8	0
15/10/2022 11:40	1.9	51	22	2.8	0
15/10/2022 11:50	2.1	48	18	2.8	0
15/10/2022 12:00	2.6	56	18	3.7	0
15/10/2022 12:10	3.9	47	12	5.1	0
15/10/2022 12:20	4.1	54	12	5.6	0
15/10/2022 12:30	3.9	42	25	6.4	0
15/10/2022 12:40	4.4	51	18	7.2	0
15/10/2022 12:50	4.5	49	13	6	0
15/10/2022 13:00	4.3	50	13	6.2	0
15/10/2022 13:10	4.3	51	14	6.1	0
15/10/2022 13:20	3.7	46	18	5.4	0
15/10/2022 13:30	3	22	24	5.1	0
15/10/2022 13:40	3.3	178	23	5.6	0
15/10/2022 13:50	3.4	340	18	5.8	0
15/10/2022 14:00	3.3	329	23	5.2	0
15/10/2022 14:10	2.8	321	24	4.8	0
15/10/2022 14:20	3.5	336	21	5.2	0
15/10/2022 14:30	3.4	347	19	5.3	0
15/10/2022 14:40	3.5	345	17	5.1	0
15/10/2022 14:50	3.2	333	16	4.8	0
15/10/2022 15:00	3.4	344	18	4.9	0
15/10/2022 15:10	3.4	333	16	5.1	0
15/10/2022 15:20	3	340	18	4.6	0
15/10/2022 15:30	2.8	347	23	4.4	0
15/10/2022 15:40	3.1	177	22	4.7	0
15/10/2022 15:50	3.1	332	15	4.9	0
15/10/2022 16:00	3	334	18	4.7	0
15/10/2022 16:10	3	345	21	4.4	0
15/10/2022 16:20	3.4	348	14	4.7	0
15/10/2022 16:30	3	333	18	4.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/10/2022 16:40	3.2	341	13	4.7	0
15/10/2022 16:50	3.3	329	13	4.5	0
15/10/2022 17:00	3.6	336	13	4.8	0
15/10/2022 17:10	3.9	331	13	5.2	0
15/10/2022 17:20	3.9	324	13	5.5	0
15/10/2022 17:30	4.4	335	13	5.6	0
15/10/2022 17:40	4.1	328	14	6.2	0
15/10/2022 17:50	2.7	324	23	5.1	0
15/10/2022 18:00	2.9	328	18	4.7	0
15/10/2022 18:10	2.4	314	22	3.8	0
15/10/2022 18:20	2.3	291	22	3.8	0
15/10/2022 18:30	2.3	287	20	3.7	0
15/10/2022 18:40	2.3	280	14	3.6	0
15/10/2022 18:50	2	287	22	3.1	0
15/10/2022 19:00	2.1	282	22	3.2	0
15/10/2022 19:10	2.5	292	20	3.6	0
15/10/2022 19:20	2.6	295	20	3.8	0
15/10/2022 19:30	2.6	260	22	4	0
15/10/2022 19:40	2.1	267	22	3.3	0
15/10/2022 19:50	2.8	269	16	4	0
15/10/2022 20:00	2.7	276	20	4.6	0
15/10/2022 20:10	2.5	269	24	4.5	0
15/10/2022 20:20	2.3	271	28	4	0
15/10/2022 20:30	2.9	280	20	4.4	0
15/10/2022 20:40	2.4	271	35	4.2	0
15/10/2022 20:50	2.7	276	16	3.9	0
15/10/2022 21:00	2.4	280	18	3.6	0
15/10/2022 21:10	2.2	267	23	3.4	0
15/10/2022 21:20	2.2	280	16	3.1	0
15/10/2022 21:30	1.5	269	38	2.9	0
15/10/2022 21:40	2.4	274	24	3.9	0
15/10/2022 21:50	1.4	277	31	2.8	0
15/10/2022 22:00	1	198	69	2.7	0
15/10/2022 22:10	1.7	206	44	3.5	0
15/10/2022 22:20	1.5	207	47	3	0
15/10/2022 22:30	1.7	219	40	3.2	0
15/10/2022 22:40	1.6	259	46	2.8	0
15/10/2022 22:50	1.7	243	40	4	0
15/10/2022 23:00	1.9	250	42	3.8	0
15/10/2022 23:10	1.8	209	47	3.4	0
15/10/2022 23:20	1.8	235	56	3.8	0
15/10/2022 23:30	1.7	241	55	3.2	0
15/10/2022 23:40	1.4	269	57	3.2	0
15/10/2022 23:50	1.1	256	71	2.1	0
16/10/2022 00:00	1.6	271	48	3.3	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/10/2022 00:10	1.3	267	84	3.7	0
16/10/2022 00:20	1.7	225	71	4	0
16/10/2022 00:30	2.2	232	48	5.3	0
16/10/2022 00:40	2.2	242	48	5.1	0
16/10/2022 00:50	2.5	218	40	5.2	0
16/10/2022 01:00	2	199	49	3.6	0
16/10/2022 01:10	1.3	194	59	3.1	0
16/10/2022 01:20	1.4	175	74	3.2	0
16/10/2022 01:30	0.9	294	77	2.8	0
16/10/2022 01:40	0.9	279	73	2.3	0
16/10/2022 01:50	1.2	289	84	2.5	0
16/10/2022 02:00	1.3	247	64	2.6	0
16/10/2022 02:10	1.5	289	46	2.6	0
16/10/2022 02:20	1.3	302	32	2.3	0
16/10/2022 02:30	1.7	277	29	2.8	0
16/10/2022 02:40	1.5	287	34	2.6	0
16/10/2022 02:50	1.5	291	32	2.7	0
16/10/2022 03:00	0.9	318	39	1.6	0
16/10/2022 03:10	1.3	293	37	2.4	0
16/10/2022 03:20	1.7	310	28	2.5	0
16/10/2022 03:30	1.6	312	19	2.4	0
16/10/2022 03:40	1.3	290	31	2.4	0
16/10/2022 03:50	1.2	294	42	2.2	0
16/10/2022 04:00	0.9	318	38	1.5	0
16/10/2022 04:10	1.4	310	19	2	0
16/10/2022 04:20	1.8	302	10	2.2	0
16/10/2022 04:30	1.1	252	42	2.4	0
16/10/2022 04:40	1	182	58	2.2	0
16/10/2022 04:50	0.8	192	49	1.6	0
16/10/2022 05:00	1	216	49	2.1	0
16/10/2022 05:10	1.5	191	19	2.4	0
16/10/2022 05:20	1.3	201	33	2	0
16/10/2022 05:30	2	202	19	2.8	0
16/10/2022 05:40	2.1	231	21	3.2	0
16/10/2022 05:50	2.2	240	18	3.5	0
16/10/2022 06:00	2.1	223	22	2.8	0
16/10/2022 06:10	1.7	208	15	2.6	0
16/10/2022 06:20	1.6	217	24	2.2	0
16/10/2022 06:30	1.7	199	25	2.8	0
16/10/2022 06:40	1.3	213	54	2.2	0
16/10/2022 06:50	1.9	189	32	3	0
16/10/2022 07:00	1.5	209	38	2.8	0
16/10/2022 07:10	1.8	244	39	3.2	0
16/10/2022 07:20	1.4	252	55	3.6	0
16/10/2022 07:30	1.4	250	39	2.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/10/2022 07:40	2.1	267	26	4.8	0
16/10/2022 07:50	1.9	268	24	2.9	0
16/10/2022 08:00	1.9	244	46	2.8	0
16/10/2022 08:10	2.1	251	37	3.4	0
16/10/2022 08:20	1.8	292	29	3.2	0
16/10/2022 08:30	2.9	305	20	4.3	0
16/10/2022 08:40	2.8	297	22	4.2	0
16/10/2022 08:50	2.4	272	26	3.6	0
16/10/2022 09:00	2.6	271	22	3.7	0
16/10/2022 09:10	2.9	287	21	4.4	0
16/10/2022 09:20	3	280	21	4.4	0
16/10/2022 09:30	3	284	23	5.1	0
16/10/2022 09:40	3.9	303	19	6.2	0
16/10/2022 09:50	4	303	16	5.7	0
16/10/2022 10:00	3.6	297	23	6.1	0
16/10/2022 10:10	3.8	292	24	5.9	0
16/10/2022 10:20	3.4	293	19	4.9	0
16/10/2022 10:30	3.3	277	20	5.5	0
16/10/2022 10:40	3.4	291	23	5	0
16/10/2022 10:50	3.3	283	27	5.2	0
16/10/2022 11:00	3.2	281	25	5.1	0
16/10/2022 11:10	3.3	287	23	5.6	0
16/10/2022 11:20	3.3	282	24	5.2	0
16/10/2022 11:30	3.5	279	27	5.7	0
16/10/2022 11:40	3.5	278	25	5.6	0
16/10/2022 11:50	3.9	282	25	5.9	0
16/10/2022 12:00	3.6	277	24	5.8	0
16/10/2022 12:10	4.1	278	22	6	0
16/10/2022 12:20	3.6	274	26	5.5	0
16/10/2022 12:30	3.9	272	27	6.4	0
16/10/2022 12:40	3.7	281	20	6	0
16/10/2022 12:50	4.1	282	27	6.2	0
16/10/2022 13:00	3.9	275	20	6.5	0
16/10/2022 13:10	4	278	21	6.3	0
16/10/2022 13:20	4	277	20	6.4	0
16/10/2022 13:30	4.1	284	22	6.2	0
16/10/2022 13:40	4.6	278	22	7	0
16/10/2022 13:50	4.1	281	23	6.8	0
16/10/2022 14:00	4.5	279	25	7.5	0
16/10/2022 14:10	4.5	275	23	8.7	0
16/10/2022 14:20	5.1	282	17	8	0
16/10/2022 14:30	4.7	279	26	7	0
16/10/2022 14:40	4.9	273	24	7.8	0
16/10/2022 14:50	5.1	275	21	8	0
16/10/2022 15:00	5.2	274	18	7.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/10/2022 15:10	4.6	276	23	7.3	0
16/10/2022 15:20	5.3	278	19	7.9	0
16/10/2022 15:30	3.9	273	31	6.3	0
16/10/2022 15:40	4.4	267	27	7.2	0
16/10/2022 15:50	3.8	268	29	7.1	0
16/10/2022 16:00	4.5	269	26	8.3	0
16/10/2022 16:10	4.7	267	23	7.9	0
16/10/2022 16:20	3.5	263	33	6.8	0
16/10/2022 16:30	3.4	246	51	6.3	0
16/10/2022 16:40	4	259	33	7.2	0
16/10/2022 16:50	3.9	264	41	6.7	0
16/10/2022 17:00	4.1	258	38	7	0
16/10/2022 17:10	4.2	264	38	7.5	0
16/10/2022 17:20	4.2	269	42	7.9	0
16/10/2022 17:30	3.9	267	36	6.4	0
16/10/2022 17:40	3.8	259	48	6.6	0
16/10/2022 17:50	3.6	269	32	7.2	0
16/10/2022 18:00	2.9	254	51	5.6	0
16/10/2022 18:10	3.5	270	39	6.7	0
16/10/2022 18:20	2.7	258	45	6	0
16/10/2022 18:30	3	252	36	5.5	0
16/10/2022 18:40	2.6	263	44	5.4	0
16/10/2022 18:50	2.5	253	56	5.1	0
16/10/2022 19:00	2.6	261	38	5.2	0
16/10/2022 19:10	2.3	265	42	4.3	0
16/10/2022 19:20	2.1	237	60	4.8	0
16/10/2022 19:30	2.4	246	62	5.6	0
16/10/2022 19:40	2.7	257	45	5.3	0
16/10/2022 19:50	2.7	237	37	4.9	0
16/10/2022 20:00	2.5	252	44	4.8	0
16/10/2022 20:10	2.6	252	46	4.8	0
16/10/2022 20:20	2.6	253	44	4.8	0
16/10/2022 20:30	2.8	249	47	5.6	0
16/10/2022 20:40	2.7	249	47	4.8	0
16/10/2022 20:50	3	267	33	5.7	0
16/10/2022 21:00	2.7	225	58	5.7	0
16/10/2022 21:10	2.6	242	48	5.9	0
16/10/2022 21:20	2.5	245	39	4.8	0
16/10/2022 21:30	2.9	252	46	6.1	0
16/10/2022 21:40	2.9	232	45	5.3	0
16/10/2022 21:50	2.6	225	54	5.6	0
16/10/2022 22:00	2.6	221	46	5.8	0
16/10/2022 22:10	2.5	234	58	5.2	0
16/10/2022 22:20	2.5	229	52	4.8	0
16/10/2022 22:30	2.1	227	55	4.1	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/10/2022 22:40	2	251	52	4	0
16/10/2022 22:50	2.2	237	53	4.7	0
16/10/2022 23:00	2.4	256	41	4.8	0
16/10/2022 23:10	2.2	229	60	4.1	0
16/10/2022 23:20	2.9	234	41	5.5	0
16/10/2022 23:30	2.5	242	46	4.5	0
16/10/2022 23:40	2.2	245	52	4.2	0
16/10/2022 23:50	2.6	252	50	4.8	0
17/10/2022 00:00	2.3	238	50	4.2	0
17/10/2022 00:10	2.3	247	55	4.6	0
17/10/2022 00:20	1.9	255	60	4	0
17/10/2022 00:30	2.2	242	57	4.6	0
17/10/2022 00:40	2	249	53	3.8	0
17/10/2022 00:50	2	250	48	5.2	0
17/10/2022 01:00	2	240	54	4.5	0
17/10/2022 01:10	2.3	247	45	4.3	0
17/10/2022 01:20	1.7	258	58	3.3	0
17/10/2022 01:30	1.9	253	65	4	0
17/10/2022 01:40	1.3	189	84	3.2	0
17/10/2022 01:50	1.6	228	60	2.9	0
17/10/2022 02:00	1.5	228	70	2.8	0
17/10/2022 02:10	1.7	272	44	3.5	0
17/10/2022 02:20	1.4	228	71	2.8	0
17/10/2022 02:30	1.5	264	55	3.1	0
17/10/2022 02:40	1.2	211	81	2.5	0
17/10/2022 02:50	1.5	248	52	2.8	0
17/10/2022 03:00	1.7	264	41	3.6	0
17/10/2022 03:10	1.6	263	50	3	0
17/10/2022 03:20	1.4	230	61	2.6	0
17/10/2022 03:30	1.5	231	66	3.2	0
17/10/2022 03:40	1.7	231	48	3.5	0
17/10/2022 03:50	2	239	49	4.1	0
17/10/2022 04:00	2.8	230	29	5.1	0
17/10/2022 04:10	3	219	29	5.2	0
17/10/2022 04:20	3.4	210	26	5.5	0
17/10/2022 04:30	3.7	208	22	6.2	0
17/10/2022 04:40	4.8	203	16	7.3	0
17/10/2022 04:50	5.4	200	11	7.1	0
17/10/2022 05:00	5.3	200	12	7.2	0
17/10/2022 05:10	5.4	201	11	7.1	0
17/10/2022 05:20	5.5	201	10	7.5	0
17/10/2022 05:30	5.4	201	12	7.4	0
17/10/2022 05:40	5.1	199	15	7.5	0
17/10/2022 05:50	5.1	194	12	7.3	0
17/10/2022 06:00	5.6	192	12	7.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/10/2022 06:10	5.5	192	12	7.4	0
17/10/2022 06:20	5.1	193	13	7.3	0
17/10/2022 06:30	4.5	190	12	6.5	0
17/10/2022 06:40	4.5	191	14	6.3	0
17/10/2022 06:50	4.8	193	12	6.6	0
17/10/2022 07:00	4.7	192	12	6.4	0
17/10/2022 07:10	4.6	196	13	6.4	0
17/10/2022 07:20	4.6	199	11	6.8	0
17/10/2022 07:30	5.2	193	11	7.4	0
17/10/2022 07:40	5.3	192	13	7.5	0
17/10/2022 07:50	4.2	192	13	6.5	0
17/10/2022 08:00	3.6	184	17	5.3	0
17/10/2022 08:10	3.1	193	16	5.2	0
17/10/2022 08:20	2.3	180	25	3.4	0
17/10/2022 08:30	1.8	183	35	4.1	0
17/10/2022 08:40	2.4	133	24	4.2	0
17/10/2022 08:50	1.9	134	26	3.2	0
17/10/2022 09:00	2	144	34	3.4	0
17/10/2022 09:10	2.2	164	34	3.8	0
17/10/2022 09:20	2.2	80	27	3.6	0
17/10/2022 09:30	2.1	92	23	3.2	0
17/10/2022 09:40	1.8	132	33	3.3	0
17/10/2022 09:50	1.9	133	42	3.4	0
17/10/2022 10:00	2.4	143	27	3.6	0
17/10/2022 10:10	2.4	117	29	4	0
17/10/2022 10:20	2.6	115	40	4	0
17/10/2022 10:30	2.5	68	28	4.3	0
17/10/2022 10:40	2.5	60	21	3.9	0
17/10/2022 10:50	2.6	56	20	4	0
17/10/2022 11:00	2.4	61	20	3.4	0
17/10/2022 11:10	2.8	52	22	4	0
17/10/2022 11:20	1.8	66	37	2.9	0
17/10/2022 11:30	2.7	68	24	4	0
17/10/2022 11:40	2.5	58	17	4	0
17/10/2022 11:50	2.6	52	24	4	0
17/10/2022 12:00	2.5	69	21	3.6	0
17/10/2022 12:10	2.4	61	13	3.2	0
17/10/2022 12:20	2.7	65	15	3.3	0
17/10/2022 12:30	1.3	117	68	2.8	0
17/10/2022 12:40	1.6	225	80	3.5	0
17/10/2022 12:50	2.8	279	34	4.8	0
17/10/2022 13:00	2.4	283	32	4.2	0
17/10/2022 13:10	2.9	288	28	4.5	0
17/10/2022 13:20	3.3	314	26	5.4	0
17/10/2022 13:30	3.9	316	21	6.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/10/2022 13:40	3.9	303	22	6.4	0
17/10/2022 13:50	4.1	299	24	6.5	0
17/10/2022 14:00	4.6	310	23	7.2	0
17/10/2022 14:10	4.2	310	19	6.4	0
17/10/2022 14:20	4	303	23	6.5	0
17/10/2022 14:30	4.1	293	20	6.5	0
17/10/2022 14:40	3.8	292	23	5.9	0
17/10/2022 14:50	3.4	282	25	5.8	0
17/10/2022 15:00	2.9	250	33	5.3	0
17/10/2022 15:10	4.2	269	20	6.7	0
17/10/2022 15:20	4	273	24	6.7	0
17/10/2022 15:30	4.2	291	20	6.2	0
17/10/2022 15:40	4	282	23	5.8	0
17/10/2022 15:50	4.2	279	23	6.1	0
17/10/2022 16:00	4.4	270	18	6	0
17/10/2022 16:10	3.9	271	22	6	0
17/10/2022 16:20	4.4	272	17	6.2	0
17/10/2022 16:30	4	271	19	6.6	0
17/10/2022 16:40	4.1	270	20	5.6	0
17/10/2022 16:50	4	271	21	7.1	0
17/10/2022 17:00	4	270	24	6.3	0
17/10/2022 17:10	3.7	273	24	6.1	0
17/10/2022 17:20	3.6	271	25	5.5	0
17/10/2022 17:30	3	272	25	5.2	0
17/10/2022 17:40	3.3	271	25	5.9	0
17/10/2022 17:50	3.6	274	22	6.1	0
17/10/2022 18:00	3	268	27	5.8	0
17/10/2022 18:10	3	265	30	4.8	0
17/10/2022 18:20	2.9	272	24	4.8	0
17/10/2022 18:30	3	270	23	4.7	0
17/10/2022 18:40	2.6	267	26	4.1	0
17/10/2022 18:50	2.6	257	27	4.3	0
17/10/2022 19:00	3.1	261	21	4.9	0
17/10/2022 19:10	2.8	252	28	4.5	0
17/10/2022 19:20	2.3	239	42	4.2	0
17/10/2022 19:30	3.2	263	23	5.2	0
17/10/2022 19:40	2.8	262	27	4.4	0
17/10/2022 19:50	3.1	266	22	4.5	0
17/10/2022 20:00	2.8	279	16	4.4	0
17/10/2022 20:10	1.9	264	45	4	0
17/10/2022 20:20	2.4	270	30	3.8	0
17/10/2022 20:30	1.8	272	30	3.4	0
17/10/2022 20:40	2.4	270	16	3.3	0
17/10/2022 20:50	2.6	267	13	3.6	0
17/10/2022 21:00	2.1	265	22	3.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/10/2022 21:10	1	240	37	2.1	0
17/10/2022 21:20	2.3	269	12	3.4	0
17/10/2022 21:30	1.9	251	21	3.2	0
17/10/2022 21:40	2	245	20	3	0
17/10/2022 21:50	2.7	254	12	3.8	0
17/10/2022 22:00	3.4	229	15	4.5	0
17/10/2022 22:10	3.4	222	15	4.5	0
17/10/2022 22:20	3.3	215	15	4.8	0
17/10/2022 22:30	3.4	214	15	5.1	0
17/10/2022 22:40	3.5	220	15	4.9	0
17/10/2022 22:50	3.8	207	13	5.6	0
17/10/2022 23:00	4.1	202	12	5.4	0
17/10/2022 23:10	4.2	201	14	5.9	0
17/10/2022 23:20	3.7	202	13	5.3	0
17/10/2022 23:30	3.6	200	14	4.8	0
17/10/2022 23:40	3.4	199	16	4.8	0
17/10/2022 23:50	3.1	202	18	4.9	0
18/10/2022 00:00	1.9	180	40	3.1	0
18/10/2022 00:10	2	187	31	3.5	0
18/10/2022 00:20	2	183	33	3.7	0
18/10/2022 00:30	2.1	156	35	3.7	0
18/10/2022 00:40	1.9	154	33	3.2	0
18/10/2022 00:50	2.5	156	24	4.4	0
18/10/2022 01:00	2	160	28	3.7	0
18/10/2022 01:10	2.1	151	26	3.9	0
18/10/2022 01:20	2.4	150	23	3.6	0
18/10/2022 01:30	2.9	151	21	4.6	0
18/10/2022 01:40	2.4	144	27	4	0
18/10/2022 01:50	2.5	150	28	4.6	0
18/10/2022 02:00	2.9	137	21	4.7	0
18/10/2022 02:10	3.3	128	24	5.5	0
18/10/2022 02:20	2.5	133	25	3.7	0
18/10/2022 02:30	2.6	133	26	4.7	0
18/10/2022 02:40	2.8	133	26	5.1	0
18/10/2022 02:50	3.2	128	23	5.4	0
18/10/2022 03:00	3.3	137	24	5.3	0
18/10/2022 03:10	2.2	136	28	4.9	0
18/10/2022 03:20	2.4	131	33	4.5	0
18/10/2022 03:30	2.3	128	22	4.4	0
18/10/2022 03:40	2.5	139	27	5.9	0
18/10/2022 03:50	1.7	126	35	3.5	0
18/10/2022 04:00	2.4	113	29	4	0
18/10/2022 04:10	3	113	21	4.9	0
18/10/2022 04:20	2.9	115	22	4.4	0
18/10/2022 04:30	2.7	114	18	4.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/10/2022 04:40	2.8	113	15	4	0
18/10/2022 04:50	2	105	16	3.6	0
18/10/2022 05:00	2.2	92	18	3.2	0
18/10/2022 05:10	2.9	89	18	4.6	0
18/10/2022 05:20	2.7	93	19	4.7	0
18/10/2022 05:30	3	90	15	5.1	0
18/10/2022 05:40	3.8	88	16	5.4	0
18/10/2022 05:50	3.6	90	14	4.8	0
18/10/2022 06:00	3.7	86	15	5.5	0
18/10/2022 06:10	3.8	90	15	5.4	0
18/10/2022 06:20	4.4	92	15	6.6	0
18/10/2022 06:30	4.9	90	13	6.8	0
18/10/2022 06:40	3.8	76	14	5.2	0
18/10/2022 06:50	3.9	75	14	5.9	0
18/10/2022 07:00	4.9	86	16	7.2	0
18/10/2022 07:10	5.3	79	15	7.2	0
18/10/2022 07:20	5.7	83	14	8.3	0
18/10/2022 07:30	5.8	91	15	8.8	0
18/10/2022 07:40	5.9	84	15	9.1	0
18/10/2022 07:50	6.5	84	14	8.7	0
18/10/2022 08:00	6.2	82	15	8.7	0
18/10/2022 08:10	7	85	16	9.6	0
18/10/2022 08:20	7.2	87	16	10	0
18/10/2022 08:30	7.3	85	16	10.2	0
18/10/2022 08:40	6.8	86	14	9.4	0
18/10/2022 08:50	6.9	77	15	9.8	0
18/10/2022 09:00	6.8	77	16	9.5	0
18/10/2022 09:10	6.2	77	16	8.7	0
18/10/2022 09:20	6.5	73	15	9.6	0
18/10/2022 09:30	6.5	73	13	9.3	0
18/10/2022 09:40	6.5	76	14	9.5	0
18/10/2022 09:50	6.4	73	13	9.4	0
18/10/2022 10:00	5.8	65	15	8.7	0
18/10/2022 10:10	5.6	68	14	8.1	0
18/10/2022 10:20	5.8	61	14	8.7	0
18/10/2022 10:30	5.5	60	13	8.9	0
18/10/2022 10:40	6.5	61	11	8.9	0
18/10/2022 10:50	6.1	60	13	9	0
18/10/2022 11:00	6.8	60	12	9.5	0
18/10/2022 11:10	6.7	57	11	8.7	0
18/10/2022 11:20	6.6	57	13	8.3	0
18/10/2022 11:30	6.4	58	10	7.9	0
18/10/2022 11:40	6	59	9	7.8	0
18/10/2022 11:50	6.1	59	9	8.1	0
18/10/2022 12:00	5.6	59	11	7	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/10/2022 12:10	5.2	58	11	7.1	0
18/10/2022 12:20	5.3	51	13	7.2	0
18/10/2022 12:30	5.2	47	13	7.2	0
18/10/2022 12:40	4.9	42	14	6.8	0
18/10/2022 12:50	5.3	43	13	7.5	0
18/10/2022 13:00	5.6	38	11	8	0
18/10/2022 13:10	5.3	39	12	7.2	0
18/10/2022 13:20	5.1	35	14	7.2	0
18/10/2022 13:30	5.5	35	14	7.2	0
18/10/2022 13:40	5.4	37	13	7.3	0
18/10/2022 13:50	5.6	35	12	7.2	0
18/10/2022 14:00	5.6	36	14	8.3	0
18/10/2022 14:10	5.8	42	13	7.9	0
18/10/2022 14:20	5.1	41	14	7.1	0
18/10/2022 14:30	5.8	36	11	7.3	0
18/10/2022 14:40	5.4	39	12	7.5	0
18/10/2022 14:50	5.3	44	11	6.8	0
18/10/2022 15:00	5	40	12	6.4	0
18/10/2022 15:10	4.8	39	14	6.7	0
18/10/2022 15:20	4.7	38	12	6.2	0
18/10/2022 15:30	4.4	42	13	6.2	0
18/10/2022 15:40	4.1	46	13	5.7	0
18/10/2022 15:50	4.5	41	12	6.1	0
18/10/2022 16:00	4.4	47	13	5.8	0
18/10/2022 16:10	3.9	46	12	5.7	0
18/10/2022 16:20	3.8	47	12	4.9	0
18/10/2022 16:30	3.9	48	11	5.4	0
18/10/2022 16:40	3.7	49	11	5	0
18/10/2022 16:50	3.2	53	11	4.4	0
18/10/2022 17:00	3	48	13	4.4	0
18/10/2022 17:10	2.9	44	15	4.1	0
18/10/2022 17:20	2.7	187	24	4.3	0
18/10/2022 17:30	3.4	340	12	4.5	0
18/10/2022 17:40	3.4	340	12	4.8	0
18/10/2022 17:50	4	335	10	5.3	0
18/10/2022 18:00	3.7	346	14	4.9	0
18/10/2022 18:10	3.8	341	14	5.5	0
18/10/2022 18:20	4.3	341	12	6	0
18/10/2022 18:30	3.1	343	15	4.4	0
18/10/2022 18:40	2.6	332	15	4.7	0
18/10/2022 18:50	2.7	331	14	3.8	0
18/10/2022 19:00	2.9	329	12	4.5	0
18/10/2022 19:10	2.4	333	14	3.6	0
18/10/2022 19:20	2.8	333	13	4.1	0
18/10/2022 19:30	3.3	337	15	5	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/10/2022 19:40	3.1	330	16	4.8	0
18/10/2022 19:50	2.8	324	13	4.4	0
18/10/2022 20:00	2.7	321	15	3.9	0
18/10/2022 20:10	2	324	14	3	0
18/10/2022 20:20	2.2	324	16	3.3	0
18/10/2022 20:30	1.9	325	14	3.3	0
18/10/2022 20:40	2.1	330	21	3.6	0
18/10/2022 20:50	2.9	326	14	4.4	0
18/10/2022 21:00	3.2	326	12	4.7	0
18/10/2022 21:10	2.6	320	17	4	0
18/10/2022 21:20	2.4	318	19	3.7	0
18/10/2022 21:30	2.4	317	17	4	0
18/10/2022 21:40	2.4	316	18	3.9	0
18/10/2022 21:50	2.6	320	13	3.9	0
18/10/2022 22:00	2.2	322	14	3.2	0
18/10/2022 22:10	1.9	310	19	2.9	0
18/10/2022 22:20	1.2	283	54	2.5	0
18/10/2022 22:30	1.3	149	64	2.4	0
18/10/2022 22:40	0.9	85	49	1.8	0
18/10/2022 22:50	1.2	313	36	2.4	0
18/10/2022 23:00	0.6	52	73	1.1	0
18/10/2022 23:10	0.6	111	58	1.5	0
18/10/2022 23:20	0.5	84	16	1	0
18/10/2022 23:30					0
18/10/2022 23:40	0.5	13	66	1.4	0
18/10/2022 23:50	0.7	288	13	1.2	0
19/10/2022 00:00	0.7	265	24	1.3	0
19/10/2022 00:10	0.1	199	2	0.5	0
19/10/2022 00:20	0.3	183	6	0.9	0
19/10/2022 00:30	0.4	294	26	1.2	0
19/10/2022 00:40	0.3	196	20	1.3	0
19/10/2022 00:50	0.5	304	10	0.9	0
19/10/2022 01:00	0.3	199	6	1.6	0
19/10/2022 01:10	1.6	203	9	2	0
19/10/2022 01:20	2	210	19	2.9	0
19/10/2022 01:30	2.5	208	12	3.2	0
19/10/2022 01:40	2.1	206	11	2.9	0
19/10/2022 01:50	1.2	256	45	1.9	0
19/10/2022 02:00	0.6	347	36	1.1	0
19/10/2022 02:10	1.2	232	43	2.8	0
19/10/2022 02:20	1.4	251	66	2.2	0
19/10/2022 02:30	1.7	206	35	2.5	0
19/10/2022 02:40	2.4	201	12	3.5	0
19/10/2022 02:50	0.8	173	51	1.6	0
19/10/2022 03:00	0.9	51	45	1.6	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/10/2022 03:10	0.8	187	58	1.6	0
19/10/2022 03:20	0.9	156	48	1.6	0
19/10/2022 03:30	1	184	33	2.1	0
19/10/2022 03:40	0.8	154	42	1.9	0
19/10/2022 03:50	2.4	182	19	3.8	0
19/10/2022 04:00	3	176	15	4.6	0
19/10/2022 04:10	3.2	178	13	4.5	0
19/10/2022 04:20	3.4	180	13	4.8	0
19/10/2022 04:30	2.5	194	19	4	0
19/10/2022 04:40	2.2	197	17	3.4	0
19/10/2022 04:50	2	189	19	3.2	0
19/10/2022 05:00	1.5	198	30	2.4	0
19/10/2022 05:10	1.6	193	27	3	0
19/10/2022 05:20	1.3	183	33	2.4	0
19/10/2022 05:30	1.7	187	27	2.8	0
19/10/2022 05:40	0.9	243	84	1.9	0
19/10/2022 05:50	0.9	324	66	1.8	0
19/10/2022 06:00	1	21	30	1.6	0
19/10/2022 06:10	0.6	328	34	1.3	0
19/10/2022 06:20	2	183	30	3.3	0
19/10/2022 06:30	2.6	171	16	4	0
19/10/2022 06:40	3.2	169	15	4.8	0
19/10/2022 06:50	3.8	168	12	4.8	0
19/10/2022 07:00	3.4	158	16	5	0
19/10/2022 07:10	3.1	156	16	4.3	0
19/10/2022 07:20	2.7	150	18	4.5	0
19/10/2022 07:30	2.7	142	20	3.8	0
19/10/2022 07:40	2.4	125	18	3.2	0
19/10/2022 07:50	2.7	113	10	3.6	0
19/10/2022 08:00	2.3	113	14	3.1	0
19/10/2022 08:10	2.4	116	18	3.7	0
19/10/2022 08:20	2.2	109	16	3.1	0
19/10/2022 08:30	2.4	111	13	3.2	0
19/10/2022 08:40	2.3	110	15	3	0
19/10/2022 08:50	2	115	18	2.8	0
19/10/2022 09:00	2	113	19	3	0
19/10/2022 09:10	2.3	77	16	3.1	0
19/10/2022 09:20	2.5	55	16	3.2	0
19/10/2022 09:30	2.3	56	17	3	0
19/10/2022 09:40	2.2	60	17	3	0
19/10/2022 09:50	2.5	53	16	3.2	0
19/10/2022 10:00	2.7	58	17	3.6	0
19/10/2022 10:10	2.7	59	15	3.6	0
19/10/2022 10:20	2.6	53	13	3.4	0
19/10/2022 10:30	2.5	61	17	3.2	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/10/2022 10:40	3	58	13	3.6	0
19/10/2022 10:50	3	56	13	3.8	0
19/10/2022 11:00	3.6	56	12	4.4	0
19/10/2022 11:10	3.6	53	14	4.6	0
19/10/2022 11:20	3.5	51	14	4.4	0
19/10/2022 11:30	4	46	11	5.5	0
19/10/2022 11:40	4.1	52	11	5.3	0
19/10/2022 11:50	4.1	54	10	5.1	0
19/10/2022 12:00	3.7	54	11	4.7	0
19/10/2022 12:10	4.2	59	12	5.4	0
19/10/2022 12:20	4.2	54	11	5.5	0
19/10/2022 12:30	3.9	58	14	5.3	0
19/10/2022 12:40	4.4	59	14	5.8	0
19/10/2022 12:50	4.3	58	11	5.6	0
19/10/2022 13:00	4.1	44	14	5.6	0
19/10/2022 13:10	4.5	54	13	6.2	0
19/10/2022 13:20	4.5	54	12	6	0
19/10/2022 13:30	3.8	52	14	5.2	0
19/10/2022 13:40	3.7	52	13	5	0
19/10/2022 13:50	4.2	60	11	5.7	0
19/10/2022 14:00	3.8	54	13	5.3	0
19/10/2022 14:10	4.1	49	12	5.8	0
19/10/2022 14:20	4.1	44	14	5.2	0
19/10/2022 14:30	4.4	50	14	5.9	0
19/10/2022 14:40	3.9	56	13	5.3	0
19/10/2022 14:50	3.6	51	15	5.1	0
19/10/2022 15:00	4	56	13	5.2	0
19/10/2022 15:10	3.8	51	12	5.2	0
19/10/2022 15:20	3.7	47	14	5.2	0
19/10/2022 15:30	3.7	51	14	4.8	0
19/10/2022 15:40	3.7	49	12	4.9	0
19/10/2022 15:50	3.7	47	11	5	0
19/10/2022 16:00	3.8	49	11	5.4	0
19/10/2022 16:10	4.3	47	12	5.7	0
19/10/2022 16:20	4.1	47	11	5.5	0
19/10/2022 16:30	3.9	47	10	5	0
19/10/2022 16:40	3.3	39	16	4.5	0
19/10/2022 16:50	2.9	41	15	3.9	0
19/10/2022 17:00	2.8	43	12	3.9	0
19/10/2022 17:10	2.5	47	11	3.4	0
19/10/2022 17:20	2.4	43	13	3.1	0
19/10/2022 17:30	2.2	28	16	3.2	0
19/10/2022 17:40	2.8	349	14	3.7	0
19/10/2022 17:50	2.8	345	12	3.7	0
19/10/2022 18:00	2.8	344	12	3.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/10/2022 18:10	2.7	343	11	3.6	0
19/10/2022 18:20	2	341	12	2.8	0
19/10/2022 18:30	2.2	330	10	3.2	0
19/10/2022 18:40	1.8	341	14	2.4	0
19/10/2022 18:50	1.5	345	13	2	0
19/10/2022 19:00	1.1	318	14	1.6	0
19/10/2022 19:10	1.4	304	16	2	0
19/10/2022 19:20	1.4	315	16	2.2	0
19/10/2022 19:30	1.5	317	18	2.3	0
19/10/2022 19:40	1.7	307	16	2.5	0
19/10/2022 19:50	1.6	302	22	2.7	0
19/10/2022 20:00	1.7	288	18	2.5	0
19/10/2022 20:10	1.7	277	18	2.4	0
19/10/2022 20:20	2.1	272	15	2.9	0
19/10/2022 20:30	1.7	271	21	2.8	0
19/10/2022 20:40	1.9	267	21	3.3	0
19/10/2022 20:50	1.5	249	45	3.1	0
19/10/2022 21:00	2.2	267	20	3.5	0
19/10/2022 21:10	2.2	275	13	3.1	0
19/10/2022 21:20	2.3	268	15	3.3	0
19/10/2022 21:30	1.6	270	18	2.4	0
19/10/2022 21:40	1.7	276	19	2.7	0
19/10/2022 21:50	1.4	288	28	2.1	0
19/10/2022 22:00	1.7	283	29	3.1	0
19/10/2022 22:10	1.5	280	41	3.1	0
19/10/2022 22:20	2	283	20	3.2	0
19/10/2022 22:30	1.9	264	23	3.3	0
19/10/2022 22:40	1.3	268	36	2.3	0
19/10/2022 22:50	1	248	55	1.9	0
19/10/2022 23:00	1.2	280	42	2.6	0
19/10/2022 23:10	1	227	55	2.2	0
19/10/2022 23:20	0.7	210	44	1.7	0
19/10/2022 23:30	1.6	238	37	2.7	0
19/10/2022 23:40	2	271	22	2.9	0
19/10/2022 23:50	1.3	276	30	2.5	0
20/10/2022 00:00	0.8	225	42	1.8	0
20/10/2022 00:10	0.6	227	52	1.5	0
20/10/2022 00:20	1	194	65	2.2	0
20/10/2022 00:30	1.1	270	51	2.4	0
20/10/2022 00:40	1.1	261	62	2.4	0
20/10/2022 00:50	0.9	233	56	2.2	0
20/10/2022 01:00	1.4	248	45	2.3	0
20/10/2022 01:10	1.3	215	57	2.6	0
20/10/2022 01:20	1.8	212	40	3.2	0
20/10/2022 01:30	2	198	24	3.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/10/2022 01:40	1.6	238	41	2.8	0
20/10/2022 01:50	1.3	255	48	2.7	0
20/10/2022 02:00	1.6	232	63	3.1	0
20/10/2022 02:10	1.7	233	52	3.2	0
20/10/2022 02:20	1.4	191	30	2.4	0
20/10/2022 02:30	1.8	207	27	3	0
20/10/2022 02:40	2.3	210	26	3.4	0
20/10/2022 02:50	1.7	220	41	3.5	0
20/10/2022 03:00	1.9	197	37	3.3	0
20/10/2022 03:10	1.3	212	62	2.4	0
20/10/2022 03:20	1.4	211	45	2.9	0
20/10/2022 03:30	1.7	205	41	3.6	0
20/10/2022 03:40	2	203	30	4.2	0
20/10/2022 03:50	1.7	202	33	3.2	0
20/10/2022 04:00	1.7	200	30	2.8	0
20/10/2022 04:10	1.6	213	47	3.2	0
20/10/2022 04:20	1.2	187	23	2.3	0
20/10/2022 04:30	1.5	200	26	3.4	0
20/10/2022 04:40	1.9	228	33	3.2	0
20/10/2022 04:50	2.1	209	28	4.3	0
20/10/2022 05:00	1.8	215	35	3.1	0
20/10/2022 05:10	1.6	227	48	3.8	0
20/10/2022 05:20	1.9	223	32	3.8	0
20/10/2022 05:30	1.7	218	37	3.2	0
20/10/2022 05:40	1.6	233	42	2.7	0
20/10/2022 05:50	1.8	214	35	3.4	0
20/10/2022 06:00	1.6	210	35	2.8	0
20/10/2022 06:10	2.1	204	20	3.2	0
20/10/2022 06:20	2.5	209	25	4.4	0
20/10/2022 06:30	2.6	218	21	4.5	0
20/10/2022 06:40	2.2	216	26	3.7	0
20/10/2022 06:50	1.8	224	43	3.3	0
20/10/2022 07:00	1.7	247	44	3.4	0
20/10/2022 07:10	2.1	223	27	3.6	0
20/10/2022 07:20	2.3	220	22	3.3	0
20/10/2022 07:30	2.4	211	14	3.6	0
20/10/2022 07:40	2.1	215	17	3.1	0
20/10/2022 07:50	1.8	184	33	2.9	0
20/10/2022 08:00	1.8	158	33	3	0
20/10/2022 08:10	1.6	185	42	2.4	0
20/10/2022 08:20	1.6	194	45	2.8	0
20/10/2022 08:30	1.7	120	20	2.9	0
20/10/2022 08:40	1.6	145	56	2.5	0
20/10/2022 08:50	1.8	135	40	2.6	0
20/10/2022 09:00	1.7	149	34	2.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/10/2022 09:10	1.9	138	38	3.4	0
20/10/2022 09:20	1.6	192	33	2.9	0
20/10/2022 09:30	1.3	167	60	2.5	0
20/10/2022 09:40	1.4	201	51	2.5	0
20/10/2022 09:50	1.8	183	38	3.1	0
20/10/2022 10:00	1.8	160	37	2.9	0
20/10/2022 10:10	1.5	153	40	2.4	0
20/10/2022 10:20	2.4	158	29	3.6	0
20/10/2022 10:30	1.8	159	38	3	0
20/10/2022 10:40	1.6	224	60	2.7	0
20/10/2022 10:50	2.5	328	34	4	0
20/10/2022 11:00	2.7	324	34	4.3	0
20/10/2022 11:10	3.3	16	22	5	0
20/10/2022 11:20	2.4	33	20	3.8	0
20/10/2022 11:30	1.9	37	26	2.8	0
20/10/2022 11:40	2.2	42	24	2.9	0
20/10/2022 11:50	2.3	158	38	3.8	0
20/10/2022 12:00	1.9	316	42	3.5	0
20/10/2022 12:10	2.2	275	36	4	0
20/10/2022 12:20	2.7	273	23	4.1	0
20/10/2022 12:30	3.1	280	20	4.8	0
20/10/2022 12:40	3.1	279	26	4.5	0
20/10/2022 12:50	2.9	284	23	4.4	0
20/10/2022 13:00	3.3	283	20	4.8	0
20/10/2022 13:10	3.1	287	25	4.2	0
20/10/2022 13:20	3.2	279	21	4.5	0
20/10/2022 13:30	3.4	286	25	4.8	0
20/10/2022 13:40	3.3	288	22	5.2	0
20/10/2022 13:50	3.1	283	26	4.6	0
20/10/2022 14:00	3.2	291	26	4.7	0
20/10/2022 14:10	3.4	285	21	5.2	0
20/10/2022 14:20	3.2	285	21	4.7	0
20/10/2022 14:30	3.2	279	25	5.1	0
20/10/2022 14:40	3.5	275	27	5.5	0
20/10/2022 14:50	3.3	294	27	5.3	0
20/10/2022 15:00	3.4	291	21	5	0
20/10/2022 15:10	2.9	283	27	4.4	0
20/10/2022 15:20	3.6	289	28	5.9	0
20/10/2022 15:30	3.1	271	24	4.6	0
20/10/2022 15:40	3.7	290	20	5.6	0
20/10/2022 15:50	3.8	287	24	6	0
20/10/2022 16:00	3.6	271	25	5.9	0
20/10/2022 16:10	4.1	268	18	5.8	0
20/10/2022 16:20	3.4	282	22	5.7	0
20/10/2022 16:30	3.7	272	19	5.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/10/2022 16:40	3.9	273	21	5.6	0
20/10/2022 16:50	3.5	268	26	5.7	0
20/10/2022 17:00	3.8	270	21	5.8	0
20/10/2022 17:10	3.7	269	20	5.5	0
20/10/2022 17:20	3.4	271	20	5.8	0
20/10/2022 17:30	3	286	25	4.9	0
20/10/2022 17:40	2.9	280	23	4.9	0
20/10/2022 17:50	3.3	276	20	4.8	0
20/10/2022 18:00	3.4	271	22	5.3	0
20/10/2022 18:10	3.5	273	20	5.4	0
20/10/2022 18:20	4	271	19	5.6	0
20/10/2022 18:30	3.3	273	23	5.4	0
20/10/2022 18:40	3.3	267	20	5.2	0
20/10/2022 18:50	3.3	272	17	4.8	0
20/10/2022 19:00	3.3	276	19	4.8	0
20/10/2022 19:10	2.9	281	20	4.4	0
20/10/2022 19:20	2.8	274	18	4.4	0
20/10/2022 19:30	3.1	279	20	4.7	0
20/10/2022 19:40	3.1	273	19	4.4	0
20/10/2022 19:50	3.1	279	17	4.4	0
20/10/2022 20:00	2.9	281	18	4.6	0
20/10/2022 20:10	2.8	278	19	4.2	0
20/10/2022 20:20	2.6	278	21	4.6	0
20/10/2022 20:30	3.1	277	18	4.8	0
20/10/2022 20:40	2.8	272	22	4.1	0
20/10/2022 20:50	3	278	18	4.4	0
20/10/2022 21:00	2.9	277	23	4.9	0
20/10/2022 21:10	2.8	271	32	4.7	0
20/10/2022 21:20	3.4	275	27	5.4	0
20/10/2022 21:30	2.8	277	34	4.5	0
20/10/2022 21:40	2.4	274	37	4.4	0
20/10/2022 21:50	2.7	275	42	5.2	0
20/10/2022 22:00	2.1	278	47	4.2	0
20/10/2022 22:10	2.1	261	38	4	0
20/10/2022 22:20	2	248	55	4.2	0
20/10/2022 22:30	1.7	275	55	3.7	0
20/10/2022 22:40	1.7	253	62	4	0
20/10/2022 22:50	1.7	255	52	3.2	0
20/10/2022 23:00	2.4	262	32	4.3	0
20/10/2022 23:10	2.1	248	48	4.3	0
20/10/2022 23:20	1.6	261	69	3.3	0
20/10/2022 23:30	1.5	262	66	3.4	0
20/10/2022 23:40	1.6	224	46	3.6	0
20/10/2022 23:50	1.9	235	41	3.5	0
21/10/2022 00:00	1.5	242	49	2.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/10/2022 00:10	1.9	258	31	3.2	0
21/10/2022 00:20	1.6	270	46	3.7	0
21/10/2022 00:30	1.6	243	43	3.2	0
21/10/2022 00:40	1.6	241	45	3.2	0
21/10/2022 00:50	1.4	237	61	2.7	0
21/10/2022 01:00	1.6	237	70	3.6	0
21/10/2022 01:10	2.1	195	29	4	0
21/10/2022 01:20	1.3	201	52	2.6	0
21/10/2022 01:30	1.6	228	52	3.5	0
21/10/2022 01:40	1.6	253	41	2.7	0
21/10/2022 01:50	1.4	247	55	3.1	0
21/10/2022 02:00	1.1	249	57	2.2	0
21/10/2022 02:10	1.7	230	62	3.2	0
21/10/2022 02:20	1.8	258	61	4.1	0
21/10/2022 02:30	1.9	202	50	4.4	0
21/10/2022 02:40	2	209	47	4.1	0
21/10/2022 02:50	2.2	209	40	4.8	0
21/10/2022 03:00	2.3	220	42	4.6	0
21/10/2022 03:10	2.7	209	37	4.6	0
21/10/2022 03:20	2.2	206	45	3.9	0
21/10/2022 03:30	1.7	215	68	3.2	0
21/10/2022 03:40	1.8	209	41	4.1	0
21/10/2022 03:50	2.1	212	52	4.3	0
21/10/2022 04:00	1.7	252	53	3.6	0
21/10/2022 04:10	2	222	61	4.5	0
21/10/2022 04:20	1.8	227	45	3.1	0
21/10/2022 04:30	1.9	248	46	3.8	0
21/10/2022 04:40	1.7	245	60	3.5	0
21/10/2022 04:50	1.6	235	49	3.4	0
21/10/2022 05:00	1.7	231	51	3.3	0
21/10/2022 05:10	1.5	238	47	3.1	0
21/10/2022 05:20	1.4	277	56	2.8	0
21/10/2022 05:30	1.6	261	36	3	0
21/10/2022 05:40	1.6	254	40	2.9	0
21/10/2022 05:50	1.2	267	31	2.4	0
21/10/2022 06:00	1.1	291	55	2.2	0
21/10/2022 06:10	1.1	225	48	2.9	0
21/10/2022 06:20	1.4	241	52	3.2	0
21/10/2022 06:30	1.3	276	45	2.8	0
21/10/2022 06:40	1.8	264	39	3.6	0
21/10/2022 06:50	1.5	228	54	2.8	0
21/10/2022 07:00	1.3	215	67	2.4	0
21/10/2022 07:10	2.1	226	36	3.8	0
21/10/2022 07:20	2	217	42	3.3	0
21/10/2022 07:30	1.8	212	31	3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/10/2022 07:40	3	197	24	4.6	0
21/10/2022 07:50	2.5	212	24	4.9	0
21/10/2022 08:00					0
21/10/2022 08:10					0
21/10/2022 08:20					0
21/10/2022 08:30					0
21/10/2022 08:40					0
21/10/2022 08:50					0
21/10/2022 09:00					0
21/10/2022 09:10					0
21/10/2022 09:20					0
21/10/2022 09:30					0
21/10/2022 09:40					0
21/10/2022 09:50					0
21/10/2022 10:00	3.7	273	20	5.4	0
21/10/2022 10:10	3.5	289	24	5.2	0
21/10/2022 10:20	3.2	272	24	5.5	0
21/10/2022 10:30	2.9	274	25	4.6	0
21/10/2022 10:40	3.4	290	26	5.6	0
21/10/2022 10:50	3.3	283	28	5.5	0
21/10/2022 11:00	2.8	287	27	4.8	0
21/10/2022 11:10	3.2	281	27	5.3	0
21/10/2022 11:20	3.8	289	27	6.4	0
21/10/2022 11:30	3.8	276	21	5.6	0
21/10/2022 11:40	4.1	275	22	6.4	0
21/10/2022 11:50	3.8	269	25	6.4	0
21/10/2022 12:00	4.2	275	19	6.6	0
21/10/2022 12:10	4.4	264	22	6.7	0
21/10/2022 12:20	4.5	259	22	6.4	0
21/10/2022 12:30	4.7	270	21	7.9	0
21/10/2022 12:40	3.8	266	31	6.3	0
21/10/2022 12:50	4.1	265	28	7	0
21/10/2022 13:00	4.6	277	29	7.4	0
21/10/2022 13:10	4.2	271	23	6.8	0
21/10/2022 13:20	4.2	275	28	6.5	0
21/10/2022 13:30	4.6	273	22	6.7	0
21/10/2022 13:40	5.3	277	19	8.2	0
21/10/2022 13:50	5.1	270	20	8.1	0
21/10/2022 14:00	4.7	274	24	7.6	0
21/10/2022 14:10	4.5	274	22	7.3	0
21/10/2022 14:20	5.1	279	21	7.3	0
21/10/2022 14:30	5.1	271	22	7.9	0
21/10/2022 14:40	5.1	272	30	8.4	0
21/10/2022 14:50	4.5	259	35	7.5	0
21/10/2022 15:00	4.1	265	40	7.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/10/2022 15:10	5	272	20	7.7	0
21/10/2022 15:20	5.1	277	20	7.3	0
21/10/2022 15:30	5	272	23	7.9	0
21/10/2022 15:40	4.9	276	21	7.3	0
21/10/2022 15:50	5	274	21	7.6	0
21/10/2022 16:00	4.6	277	23	7.1	0
21/10/2022 16:10	4.7	270	22	7.7	0
21/10/2022 16:20	4.6	275	19	6.7	0
21/10/2022 16:30	4.4	275	20	6.8	0
21/10/2022 16:40	5	276	19	7.3	0
21/10/2022 16:50	4.7	276	23	7.1	0
21/10/2022 17:00	4.5	273	26	6.8	0
21/10/2022 17:10	4.1	265	27	6.7	0
21/10/2022 17:20	3.8	262	38	7	0
21/10/2022 17:30	3.1	242	50	6.5	0
21/10/2022 17:40	2.7	240	58	5.6	0
21/10/2022 17:50	4	269	29	7	0
21/10/2022 18:00	4.1	275	22	6.6	0
21/10/2022 18:10	3.5	274	25	5.6	0
21/10/2022 18:20	3.5	271	31	6.9	0
21/10/2022 18:30	3.8	267	28	6	0
21/10/2022 18:40	3.8	271	31	7.5	0
21/10/2022 18:50	3.8	271	29	7	0
21/10/2022 19:00	3.8	271	25	6.3	0
21/10/2022 19:10	4	265	31	6.7	0
21/10/2022 19:20	3.3	269	25	6.4	0
21/10/2022 19:30	4	272	24	5.8	0
21/10/2022 19:40	3.7	267	23	5.7	0
21/10/2022 19:50	4.1	269	23	6.6	0
21/10/2022 20:00	4	273	21	6.4	0
21/10/2022 20:10	3.7	274	25	5.6	0
21/10/2022 20:20	3.7	270	24	5.7	0
21/10/2022 20:30	4	273	23	6.8	0
21/10/2022 20:40	3.9	270	26	6	0
21/10/2022 20:50	3.8	265	24	5.8	0
21/10/2022 21:00	3.8	265	27	6.1	0
21/10/2022 21:10	3.5	261	39	6.3	0
21/10/2022 21:20	3.5	273	35	6.8	0
21/10/2022 21:30	3.2	274	45	5.8	0
21/10/2022 21:40	2.4	264	72	5.3	0
21/10/2022 21:50	1.9	254	86	3.8	0
21/10/2022 22:00	2.2	232	74	5.4	0
21/10/2022 22:10	1.7	249	74	3.8	0
21/10/2022 22:20	2	262	63	4.4	0
21/10/2022 22:30	2.4	283	48	4.4	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/10/2022 22:40	2.2	244	71	5.2	0
21/10/2022 22:50	2.5	246	56	4.8	0
21/10/2022 23:00	2.3	251	52	5	0
21/10/2022 23:10	2.6	234	51	5.6	0
21/10/2022 23:20	2.6	251	39	4.8	0
21/10/2022 23:30	2.7	250	59	5.9	0
21/10/2022 23:40	2.1	259	58	4.4	0
21/10/2022 23:50	2.4	249	53	5	0
22/10/2022 00:00	2.3	238	66	5.2	0
22/10/2022 00:10	2.2	241	56	5	0
22/10/2022 00:20	1.9	248	56	4.4	0
22/10/2022 00:30	1.6	251	63	3.1	0
22/10/2022 00:40	1.9	238	57	3.6	0
22/10/2022 00:50	2	251	58	4.3	0
22/10/2022 01:00	2	247	46	4	0
22/10/2022 01:10	2.4	245	46	5.7	0
22/10/2022 01:20	2.6	255	44	4.9	0
22/10/2022 01:30	2.5	245	51	5.1	0
22/10/2022 01:40	2.2	245	56	4.8	0
22/10/2022 01:50	1.3	187	86	3.4	0
22/10/2022 02:00	2	230	59	5.1	0
22/10/2022 02:10	1.7	217	77	2.8	0
22/10/2022 02:20	1.8	252	62	3.6	0
22/10/2022 02:30	2.2	262	62	4.6	0
22/10/2022 02:40	2	265	66	4.4	0
22/10/2022 02:50	2.4	246	59	4.9	0
22/10/2022 03:00	1.8	203	58	4.8	0
22/10/2022 03:10	2.4	246	59	5	0
22/10/2022 03:20	2.4	227	52	4.2	0
22/10/2022 03:30	2.1	208	49	4.9	0
22/10/2022 03:40	1.8	231	61	4.8	0
22/10/2022 03:50	2	202	57	4.4	0
22/10/2022 04:00	2	226	58	4.1	0
22/10/2022 04:10	2.2	244	53	4.7	0
22/10/2022 04:20	2.2	228	54	4.3	0
22/10/2022 04:30	2.3	194	26	4.2	0
22/10/2022 04:40	1.7	218	64	3.3	0
22/10/2022 04:50	2.4	226	44	4.4	0
22/10/2022 05:00	2.2	227	43	4.1	0
22/10/2022 05:10	2.2	238	49	4	0
22/10/2022 05:20	1.7	204	66	3.3	0
22/10/2022 05:30	2	239	48	4	0
22/10/2022 05:40	1.5	228	56	2.8	0
22/10/2022 05:50	2.1	263	42	5	0
22/10/2022 06:00	1.7	221	62	3.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/10/2022 06:10	1.6	239	59	3.5	0
22/10/2022 06:20	1.5	237	52	2.8	0
22/10/2022 06:30	1.7	263	56	3.1	0
22/10/2022 06:40	2.1	258	37	4	0
22/10/2022 06:50	2.1	247	50	4.4	0
22/10/2022 07:00	1.9	261	49	4.4	0
22/10/2022 07:10	2.2	213	41	4	0
22/10/2022 07:20	2.2	228	43	4.1	0
22/10/2022 07:30	2	236	46	3.6	0
22/10/2022 07:40	1.7	232	57	3.5	0
22/10/2022 07:50	2.4	233	32	4.4	0
22/10/2022 08:00	2.9	208	34	5	0
22/10/2022 08:10	2.7	211	30	4.4	0
22/10/2022 08:20	2.8	208	32	5.2	0
22/10/2022 08:30	3.5	201	24	5.9	0
22/10/2022 08:40	3.4	202	30	5.5	0
22/10/2022 08:50	3.1	211	32	4.8	0
22/10/2022 09:00	2.3	231	46	4.6	0
22/10/2022 09:10	2.6	257	38	4.4	0
22/10/2022 09:20	3.4	289	26	5.3	0
22/10/2022 09:30	3.8	287	29	5.7	0
22/10/2022 09:40	4.1	280	19	6.4	0
22/10/2022 09:50	4	280	19	6.6	0
22/10/2022 10:00	3.8	284	23	5.7	0
22/10/2022 10:10	3.9	286	25	7	0
22/10/2022 10:20	4.2	278	25	6.2	0
22/10/2022 10:30	4.2	279	21	7.2	0
22/10/2022 10:40	4.3	277	26	6.8	0
22/10/2022 10:50	4.7	286	26	7.6	0
22/10/2022 11:00	4.4	282	23	6.5	0
22/10/2022 11:10	4.2	282	24	6.3	0
22/10/2022 11:20	4.4	272	23	6.8	0
22/10/2022 11:30	4.3	285	24	6.6	0
22/10/2022 11:40	4.8	282	22	7.2	0
22/10/2022 11:50	4.1	281	26	6.9	0
22/10/2022 12:00	4.3	278	25	6.8	0
22/10/2022 12:10	4.3	275	27	7.1	0
22/10/2022 12:20	4.2	273	22	6.9	0
22/10/2022 12:30	4.1	274	25	6	0
22/10/2022 12:40	4.3	274	26	6.5	0
22/10/2022 12:50	4.7	277	21	6.9	0
22/10/2022 13:00	4.7	281	22	7.3	0
22/10/2022 13:10	4.5	283	25	7.9	0
22/10/2022 13:20	4.9	276	20	7.5	0
22/10/2022 13:30	4.8	274	20	7.4	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/10/2022 13:40	4.4	272	27	6.9	0
22/10/2022 13:50	4.6	270	24	7.5	0
22/10/2022 14:00	4.9	277	19	7.3	0
22/10/2022 14:10	4.4	275	26	7.5	0
22/10/2022 14:20	4.9	271	25	6.9	0
22/10/2022 14:30	4.7	269	26	7.5	0
22/10/2022 14:40	4.7	274	21	7.1	0
22/10/2022 14:50	5.3	276	21	7.7	0
22/10/2022 15:00	5.2	274	21	8.2	0
22/10/2022 15:10	4.9	268	24	8.4	0
22/10/2022 15:20	4.4	271	35	7.5	0
22/10/2022 15:30	5	272	23	8.1	0
22/10/2022 15:40	5.1	272	23	8.3	0
22/10/2022 15:50	4.7	279	20	7.8	0
22/10/2022 16:00	4.8	276	23	7.4	0
22/10/2022 16:10	4.9	279	21	7.7	0
22/10/2022 16:20	4.2	268	26	7.1	0
22/10/2022 16:30	4.1	272	23	6.4	0
22/10/2022 16:40	4.6	272	20	7.2	0
22/10/2022 16:50	4.3	274	25	7	0
22/10/2022 17:00	4.4	278	24	6.5	0
22/10/2022 17:10	4.3	267	23	7.2	0
22/10/2022 17:20	4	275	27	7.5	0
22/10/2022 17:30	4.3	272	23	6.8	0
22/10/2022 17:40	4.3	267	25	7.5	0
22/10/2022 17:50	4.4	265	20	6.9	0
22/10/2022 18:00	4.1	268	22	6.7	0
22/10/2022 18:10	4	269	21	6.8	0
22/10/2022 18:20	3.4	271	29	5.7	0
22/10/2022 18:30	3.8	268	25	7.2	0
22/10/2022 18:40	3.6	267	24	6.1	0
22/10/2022 18:50	3.3	269	29	5.6	0
22/10/2022 19:00	3.8	268	26	5.7	0
22/10/2022 19:10	3.4	266	26	5.8	0
22/10/2022 19:20	3.7	271	24	6	0
22/10/2022 19:30	3	262	36	5.5	0
22/10/2022 19:40	3.9	275	23	6.4	0
22/10/2022 19:50	4.2	268	23	6.8	0
22/10/2022 20:00	4.2	270	22	6.3	0
22/10/2022 20:10	3.6	270	33	6	0
22/10/2022 20:20	3.5	269	28	6.4	0
22/10/2022 20:30	3.7	273	29	5.9	0
22/10/2022 20:40	3.3	259	43	5.6	0
22/10/2022 20:50	3.6	266	29	6.1	0
22/10/2022 21:00	2.6	253	48	5.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/10/2022 21:10	2.7	238	46	5.7	0
22/10/2022 21:20	2.6	240	46	5	0
22/10/2022 21:30	2.9	244	39	6	0
22/10/2022 21:40	3.3	268	25	5.6	0
22/10/2022 21:50	2.6	257	41	4.6	0
22/10/2022 22:00	2.7	265	54	5.3	0
22/10/2022 22:10	2.8	247	56	6	0
22/10/2022 22:20	2.6	238	50	4.5	0
22/10/2022 22:30	2.5	248	51	5	0
22/10/2022 22:40	2.8	248	36	4.8	0
22/10/2022 22:50	2.4	253	54	5.4	0
22/10/2022 23:00	2.3	245	56	4.8	0
22/10/2022 23:10	2	246	45	3.9	0
22/10/2022 23:20	1.9	229	60	4	0
22/10/2022 23:30	2.8	254	45	5.6	0
22/10/2022 23:40	2.1	245	60	4.4	0
22/10/2022 23:50	2.6	271	41	4.5	0
23/10/2022 00:00	2.3	257	50	4.5	0
23/10/2022 00:10	1.8	242	62	3.8	0
23/10/2022 00:20	2	245	62	3.6	0
23/10/2022 00:30	2.1	240	53	4.5	0
23/10/2022 00:40	2	227	61	3.9	0
23/10/2022 00:50	2.1	248	52	3.8	0
23/10/2022 01:00	1.9	239	57	4.2	0
23/10/2022 01:10	2.4	241	39	4.2	0
23/10/2022 01:20	2.6	255	34	4.3	0
23/10/2022 01:30	2.2	246	40	4.1	0
23/10/2022 01:40	1.8	254	53	3.6	0
23/10/2022 01:50	2	215	56	4.3	0
23/10/2022 02:00	2	243	66	3.6	0
23/10/2022 02:10	2.3	204	43	4.5	0
23/10/2022 02:20	1.8	220	63	4.3	0
23/10/2022 02:30	2.2	232	54	4.7	0
23/10/2022 02:40	2.4	223	54	4	0
23/10/2022 02:50	1.6	207	72	3.8	0
23/10/2022 03:00	1.7	249	58	3.3	0
23/10/2022 03:10	1.5	223	55	3.3	0
23/10/2022 03:20	1.7	201	57	3.2	0
23/10/2022 03:30	1.4	239	62	2.9	0
23/10/2022 03:40	1.8	206	57	2.9	0
23/10/2022 03:50	2	253	41	4	0
23/10/2022 04:00	1.7	242	52	3.3	0
23/10/2022 04:10	1.4	273	48	2.5	0
23/10/2022 04:20	1.4	278	71	2.6	0
23/10/2022 04:30	1.8	276	43	4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/10/2022 04:40	1.1	206	73	2.1	0
23/10/2022 04:50	1.5	290	35	3	0
23/10/2022 05:00	1.8	280	33	2.8	0
23/10/2022 05:10	1.1	163	79	2.2	0
23/10/2022 05:20	0.9	145	57	1.7	0
23/10/2022 05:30	1.8	282	38	3.2	0
23/10/2022 05:40	1.2	175	60	2	0
23/10/2022 05:50	1.1	239	70	2.3	0
23/10/2022 06:00	1.2	196	71	2.4	0
23/10/2022 06:10	1.6	224	55	3.2	0
23/10/2022 06:20	1.1	185	67	2.8	0
23/10/2022 06:30	1.7	237	61	2.8	0
23/10/2022 06:40	1.3	272	64	3.9	0
23/10/2022 06:50	2.1	258	35	3.6	0
23/10/2022 07:00	1.8	262	45	3.2	0
23/10/2022 07:10	2.1	262	47	4.1	0
23/10/2022 07:20	2.4	269	38	4.3	0
23/10/2022 07:30	2.1	249	44	4	0
23/10/2022 07:40	2.5	265	28	4.3	0
23/10/2022 07:50	2.2	236	37	4.1	0
23/10/2022 08:00	2.5	268	32	4.3	0
23/10/2022 08:10	3.1	275	23	4.9	0
23/10/2022 08:20	3.3	278	22	5	0
23/10/2022 08:30	3.7	272	22	5.3	0
23/10/2022 08:40	3.3	278	25	5.2	0
23/10/2022 08:50	3.3	273	29	5.5	0
23/10/2022 09:00	3.4	278	26	5.9	0
23/10/2022 09:10	3.3	267	37	5.5	0
23/10/2022 09:20	3.6	271	22	6.4	0
23/10/2022 09:30	3.9	272	19	6.3	0
23/10/2022 09:40	3	265	27	5	0
23/10/2022 09:50	3.1	258	38	5.8	0
23/10/2022 10:00	4.1	275	22	6.2	0
23/10/2022 10:10	4	275	21	6	0
23/10/2022 10:20	4.7	273	21	7.4	0
23/10/2022 10:30	4.5	277	22	6.8	0
23/10/2022 10:40	4.4	274	22	6.7	0
23/10/2022 10:50	4.5	277	18	6.7	0
23/10/2022 11:00	4.3	273	18	6.8	0
23/10/2022 11:10	4.3	280	22	6.6	0
23/10/2022 11:20	4.2	277	20	6.4	0
23/10/2022 11:30	4.5	276	23	6.7	0
23/10/2022 11:40	4.2	284	23	6.8	0
23/10/2022 11:50	4.3	289	26	7.7	0
23/10/2022 12:00	4.3	278	29	6.7	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/10/2022 12:10	3.9	291	25	5.9	0
23/10/2022 12:20	4.2	278	24	7.3	0
23/10/2022 12:30	4.1	287	23	6.3	0
23/10/2022 12:40	4.2	276	26	6.6	0
23/10/2022 12:50	4.1	275	25	6.4	0
23/10/2022 13:00	4.7	277	19	6.8	0
23/10/2022 13:10	4.7	277	22	7.8	0
23/10/2022 13:20	4.9	276	19	8.1	0
23/10/2022 13:30	4	266	31	6.5	0
23/10/2022 13:40	3.9	265	31	6.2	0
23/10/2022 13:50	4.6	267	31	8.7	0
23/10/2022 14:00	4.5	277	23	7.7	0
23/10/2022 14:10	4.3	279	36	7.9	0
23/10/2022 14:20	3.9	277	26	6.8	0
23/10/2022 14:30	4.1	273	21	6.7	0
23/10/2022 14:40	4.1	277	22	7.3	0
23/10/2022 14:50	4.9	275	20	7.8	0
23/10/2022 15:00	4.9	278	21	7.2	0
23/10/2022 15:10	4.7	282	19	7	0
23/10/2022 15:20	4.3	277	22	6.9	0
23/10/2022 15:30	4.8	277	19	7.5	0
23/10/2022 15:40	4.5	275	18	6.8	0
23/10/2022 15:50	4.1	278	23	6.2	0
23/10/2022 16:00	5	276	20	7.2	0
23/10/2022 16:10	4.2	277	23	6.6	0
23/10/2022 16:20	5	272	22	8	0
23/10/2022 16:30	4.4	271	24	7.5	0
23/10/2022 16:40	3.7	262	36	6.3	0
23/10/2022 16:50	4	265	34	6.4	0
23/10/2022 17:00	3.8	266	37	7	0
23/10/2022 17:10	3.7	264	42	7.1	0
23/10/2022 17:20	4	262	33	7	0
23/10/2022 17:30	3.7	271	36	6.4	0
23/10/2022 17:40	3.1	268	35	6.3	0
23/10/2022 17:50	4.6	271	23	7.9	0
23/10/2022 18:00	4.1	274	25	6.6	0
23/10/2022 18:10	4.4	273	23	7.2	0
23/10/2022 18:20	4	275	28	6.8	0
23/10/2022 18:30	4	277	25	6.3	0
23/10/2022 18:40	3.9	265	35	6.6	0
23/10/2022 18:50	2.8	266	32	5.4	0
23/10/2022 19:00	3.6	271	29	5.9	0
23/10/2022 19:10	3.6	270	28	6.8	0
23/10/2022 19:20	3.9	274	31	6.9	0
23/10/2022 19:30	3.1	263	46	6.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/10/2022 19:40	2.7	256	50	5.1	0
23/10/2022 19:50	3.5	272	23	6.2	0
23/10/2022 20:00	3	270	30	5.4	0
23/10/2022 20:10	3.6	267	29	6.5	0
23/10/2022 20:20	2.9	274	33	4.7	0
23/10/2022 20:30	3.4	276	23	5.7	0
23/10/2022 20:40	3.4	273	24	5.6	0
23/10/2022 20:50	3.6	273	24	5.5	0
23/10/2022 21:00	3.3	269	43	5.6	0
23/10/2022 21:10	3.1	261	44	5.9	0
23/10/2022 21:20	3	248	44	6	0
23/10/2022 21:30	3	244	49	6.3	0
23/10/2022 21:40	3.2	255	45	6.7	0
23/10/2022 21:50	3.1	244	49	5.8	0
23/10/2022 22:00	2.5	230	53	5.1	0
23/10/2022 22:10	2.7	263	42	5.1	0
23/10/2022 22:20	2.6	227	58	5.4	0
23/10/2022 22:30	3.2	254	43	6	0
23/10/2022 22:40	2.8	243	38	5.4	0
23/10/2022 22:50	2.8	239	45	5.6	0
23/10/2022 23:00	2.2	226	55	5.3	0
23/10/2022 23:10	2.3	228	57	4.4	0
23/10/2022 23:20	1.5	237	68	3.5	0
23/10/2022 23:30	2.6	231	54	6	0
23/10/2022 23:40	2.3	253	56	4.8	0
23/10/2022 23:50	2.2	224	65	4.4	0
24/10/2022 00:00	2.2	252	53	5.3	0
24/10/2022 00:10	2.4	218	60	4.5	0
24/10/2022 00:20	2.6	256	53	5.3	0
24/10/2022 00:30	2	210	54	4.6	0
24/10/2022 00:40	2	239	54	4	0
24/10/2022 00:50	2.4	253	61	5.2	0
24/10/2022 01:00	2.3	210	56	5.3	0
24/10/2022 01:10	1.9	251	62	4.5	0
24/10/2022 01:20	2.3	248	42	5.1	0
24/10/2022 01:30	2.1	241	45	4.3	0
24/10/2022 01:40	2	220	54	4.2	0
24/10/2022 01:50	1.9	243	56	4	0
24/10/2022 02:00	2.2	205	47	4.4	0
24/10/2022 02:10	2	226	52	4	0
24/10/2022 02:20	2.1	215	49	4	0
24/10/2022 02:30	2.1	228	59	3.6	0
24/10/2022 02:40	1.8	200	79	4.7	0
24/10/2022 02:50	2	216	54	4.7	0
24/10/2022 03:00	1.8	231	58	4.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/10/2022 03:10	1.9	237	49	3.8	0
24/10/2022 03:20	1.8	235	60	3.3	0
24/10/2022 03:30	1.7	254	64	3.2	0
24/10/2022 03:40	1.9	263	48	3.6	0
24/10/2022 03:50	1.6	219	68	3.2	0
24/10/2022 04:00	1.6	250	48	2.8	0
24/10/2022 04:10	2	248	35	3.8	0
24/10/2022 04:20	1.5	268	39	3	0
24/10/2022 04:30	1.9	268	30	3.6	0
24/10/2022 04:40	1.5	276	42	3.2	0
24/10/2022 04:50	1.3	267	58	2.4	0
24/10/2022 05:00	1.4	254	56	2.7	0
24/10/2022 05:10	1.9	253	43	3.7	0
24/10/2022 05:20	2.2	260	45	4.6	0
24/10/2022 05:30	1.8	248	56	3.9	0
24/10/2022 05:40	1.7	247	51	4	0
24/10/2022 05:50	1.5	193	64	3	0
24/10/2022 06:00	1.9	230	46	4.7	0
24/10/2022 06:10	1.8	224	46	3.6	0
24/10/2022 06:20	1.5	208	57	3.1	0
24/10/2022 06:30	1.7	186	32	7.9	0
24/10/2022 06:40					0
24/10/2022 06:50					0
24/10/2022 07:00	2.4	210	41	4.8	0
24/10/2022 07:10	3.5	214	29	5.8	0
24/10/2022 07:20	2.9	203	35	5.3	0
24/10/2022 07:30	2.9	221	37	5.6	0
24/10/2022 07:40	3.4	212	33	6.6	0
24/10/2022 07:50	2.5	222	45	5.3	0
24/10/2022 08:00	3.1	200	31	6.6	0
24/10/2022 08:10	3.4	208	37	5.9	0
24/10/2022 08:20	2.8	213	36	5.4	0
24/10/2022 08:30	3.8	209	34	6.7	0
24/10/2022 08:40	3.7	222	32	6	0
24/10/2022 08:50	3.5	204	32	5.9	0
24/10/2022 09:00	4	210	26	8	0
24/10/2022 09:10	3.9	208	27	6.8	0
24/10/2022 09:20	4.6	204	22	7.3	0
24/10/2022 09:30	3.4	217	44	7.2	0
24/10/2022 09:40	3.3	222	45	6.6	0
24/10/2022 09:50	2.7	227	44	5.2	0
24/10/2022 10:00	3.8	206	26	6.6	0
24/10/2022 10:10	4.3	208	24	6.9	0
24/10/2022 10:20	4	211	38	7.9	0
24/10/2022 10:30	4	215	35	7.1	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/10/2022 10:40	3.3	227	48	6.7	0
24/10/2022 10:50	3.2	220	45	5.6	0
24/10/2022 11:00	3	234	39	5.7	0
24/10/2022 11:10	3.5	243	38	7	0
24/10/2022 11:20	4.7	268	22	7.5	0
24/10/2022 11:30	4.7	273	25	6.8	0
24/10/2022 11:40	4.9	274	26	7.8	0
24/10/2022 11:50	5	276	24	7.8	0
24/10/2022 12:00	5	270	23	8.6	0
24/10/2022 12:10	5.3	271	21	8.5	0
24/10/2022 12:20	5.5	272	24	7.7	0
24/10/2022 12:30	5.1	272	29	7.9	0
24/10/2022 12:40	5.4	275	21	8	0
24/10/2022 12:50	5.5	275	25	9.5	0
24/10/2022 13:00	5.6	271	24	8.8	0
24/10/2022 13:10	5	266	34	8.8	0
24/10/2022 13:20	5.1	272	29	9.1	0
24/10/2022 13:30	4.7	257	32	8.6	0
24/10/2022 13:40	4.7	269	37	8.8	0
24/10/2022 13:50	4.6	261	31	9.5	0
24/10/2022 14:00	4.3	267	39	7.9	0
24/10/2022 14:10	4.3	260	41	7.9	0
24/10/2022 14:20	5.3	268	31	8.3	0
24/10/2022 14:30	4.4	269	32	8	0
24/10/2022 14:40	3.9	257	50	7.2	0
24/10/2022 14:50	5.1	264	35	8.1	0
24/10/2022 15:00	4	244	55	8.3	0
24/10/2022 15:10	5.2	274	35	8.8	0
24/10/2022 15:20	4.1	255	49	7.6	0
24/10/2022 15:30	4.8	273	33	8.8	0
24/10/2022 15:40	4.4	262	45	8.8	0
24/10/2022 15:50	4.8	265	42	8.9	0
24/10/2022 16:00	5.3	266	29	9.5	0
24/10/2022 16:10	4.3	237	47	8.3	0
24/10/2022 16:20	4.6	250	43	8.6	0
24/10/2022 16:30	4.6	262	42	9.5	0
24/10/2022 16:40	3.8	254	53	7.6	0
24/10/2022 16:50	4.5	249	44	7.9	0
24/10/2022 17:00	3.9	262	49	7.5	0
24/10/2022 17:10	4.1	277	29	7.2	0
24/10/2022 17:20	3.7	260	46	7.7	0
24/10/2022 17:30	4.5	266	33	8.2	0
24/10/2022 17:40	3.7	272	41	7.9	0
24/10/2022 17:50	4	265	39	7.1	0
24/10/2022 18:00	3.5	259	47	7	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/10/2022 18:10	3.4	248	43	6.7	0
24/10/2022 18:20	3.5	262	44	6.3	0
24/10/2022 18:30	3.2	257	44	6.1	0
24/10/2022 18:40	3	265	41	6.4	0
24/10/2022 18:50	2.9	261	47	5.9	0
24/10/2022 19:00	3.4	266	39	6.4	0
24/10/2022 19:10	2.8	265	55	6	0
24/10/2022 19:20	3.8	268	33	7	0
24/10/2022 19:30	3.5	264	57	6.9	0
24/10/2022 19:40	3.7	276	34	6.9	0
24/10/2022 19:50	4	269	35	7.8	0
24/10/2022 20:00	3.2	256	51	6	0
24/10/2022 20:10	2.9	259	47	5.4	0
24/10/2022 20:20	3.4	248	53	6.9	0
24/10/2022 20:30	2.5	252	48	5.4	0
24/10/2022 20:40	3	246	51	6	0
24/10/2022 20:50	2.8	257	38	5.2	0
24/10/2022 21:00	2.5	246	53	5.4	0
24/10/2022 21:10	2.2	238	55	4.7	0
24/10/2022 21:20	2.7	246	54	5	0
24/10/2022 21:30	2.6	216	65	5.4	0
24/10/2022 21:40	2.9	257	40	6	0
24/10/2022 21:50	2.7	220	56	6.2	0
24/10/2022 22:00	2.5	249	49	5	0
24/10/2022 22:10	2.7	271	47	5.2	0
24/10/2022 22:20	2.9	247	38	5.6	0
24/10/2022 22:30	2.5	238	49	4.8	0
24/10/2022 22:40	2.4	245	42	4.9	0
24/10/2022 22:50	2.7	248	42	5.3	0
24/10/2022 23:00	2.5	244	51	5.2	0
24/10/2022 23:10	2.6	244	50	5.3	0
24/10/2022 23:20	2.3	240	59	4	0
24/10/2022 23:30	2.5	255	47	4.9	0
24/10/2022 23:40	2.6	245	43	4.9	0
24/10/2022 23:50	2.4	254	45	4.6	0
25/10/2022 00:00	2.5	254	42	4.8	0
25/10/2022 00:10	2.8	249	44	5.4	0
25/10/2022 00:20	2.3	244	47	4.5	0
25/10/2022 00:30	2.8	255	31	4.6	0
25/10/2022 00:40	2	219	54	4.3	0
25/10/2022 00:50	2	256	48	4	0
25/10/2022 01:00	1.8	218	52	3.8	0
25/10/2022 01:10	1.9	258	66	4.4	0
25/10/2022 01:20	2	242	66	4.4	0
25/10/2022 01:30	2.4	246	48	5.3	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/10/2022 01:40	1.9	247	61	4.1	0
25/10/2022 01:50	2	247	47	4	0
25/10/2022 02:00	1.9	223	50	3.2	0
25/10/2022 02:10	1.9	236	71	4	0
25/10/2022 02:20	1.8	234	46	3.7	0
25/10/2022 02:30	1.7	218	54	3.1	0
25/10/2022 02:40	1.4	210	46	2.8	0
25/10/2022 02:50	1.4	246	52	3.1	0
25/10/2022 03:00	1.2	229	66	2.4	0
25/10/2022 03:10	1.5	226	47	2.5	0
25/10/2022 03:20	1.5	224	45	2.9	0
25/10/2022 03:30	1.5	232	47	2.8	0
25/10/2022 03:40	2	240	35	4.2	0
25/10/2022 03:50	2.5	232	35	4.2	0
25/10/2022 04:00	3.3	217	28	5.1	0
25/10/2022 04:10	4	207	20	6.6	0
25/10/2022 04:20	3.8	214	22	5.9	0
25/10/2022 04:30	4.4	205	17	6.2	0
25/10/2022 04:40	4.5	208	17	6.2	0
25/10/2022 04:50	4.2	208	18	6.2	0
25/10/2022 05:00	3.7	210	18	6.2	0
25/10/2022 05:10	3.3	210	23	5.4	0
25/10/2022 05:20	3.5	206	23	5.6	0
25/10/2022 05:30	3.5	213	22	5.4	0
25/10/2022 05:40	4.1	210	19	6.4	0
25/10/2022 05:50	4.1	206	20	6	0
25/10/2022 06:00	4.2	209	19	6.3	0
25/10/2022 06:10	3.9	209	20	5.8	0
25/10/2022 06:20	3.8	208	20	5.7	0
25/10/2022 06:30	4.1	208	17	6	0
25/10/2022 06:40	4.4	207	18	6.1	0
25/10/2022 06:50	4.5	208	16	6.2	0
25/10/2022 07:00	5	205	13	6.9	0
25/10/2022 07:10	4.8	201	12	6.8	0
25/10/2022 07:20	4.8	197	14	6.4	0
25/10/2022 07:30	3.5	194	13	7	0
25/10/2022 07:40	3.8	195	19	6.3	0
25/10/2022 07:50	3.5	199	19	5.2	0
25/10/2022 08:00	2.8	189	32	5.6	0
25/10/2022 08:10	2.9	179	25	5	0
25/10/2022 08:20	1.8	175	38	3.4	0
25/10/2022 08:30	1.8	164	39	3.6	0
25/10/2022 08:40	2	129	32	4	0
25/10/2022 08:50	1.7	103	43	2.8	0
25/10/2022 09:00	1.6	134	42	3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/10/2022 09:10	2	114	26	3.9	0
25/10/2022 09:20	1.9	126	35	3.4	0
25/10/2022 09:30	2.3	103	26	3.9	0
25/10/2022 09:40	2.4	103	22	4	0
25/10/2022 09:50	2.5	100	18	3.7	0
25/10/2022 10:00	2.4	107	24	3.7	0
25/10/2022 10:10	1.5	121	77	2.9	0
25/10/2022 10:20	2.7	190	30	4.3	0
25/10/2022 10:30	2	190	42	4.4	0
25/10/2022 10:40	2.1	191	30	3.8	0
25/10/2022 10:50	2.8	133	50	4.4	0
25/10/2022 11:00	2.6	75	21	4.5	0
25/10/2022 11:10	2.5	95	24	4	0
25/10/2022 11:20	2.6	57	15	3.8	0
25/10/2022 11:30	2.6	59	16	3.5	0
25/10/2022 11:40	3.1	60	16	4.8	0
25/10/2022 11:50	3.2	110	30	4.8	0
25/10/2022 12:00	2.7	144	45	4.5	0
25/10/2022 12:10	2.1	207	52	3.8	0
25/10/2022 12:20	3.2	282	34	5.6	0
25/10/2022 12:30	3.9	286	23	6.5	0
25/10/2022 12:40	3.6	280	25	5.5	0
25/10/2022 12:50	3.8	283	25	6	0
25/10/2022 13:00	3.8	289	21	6	0
25/10/2022 13:10	3.4	283	30	4.7	0
25/10/2022 13:20	3.6	278	25	5.8	0
25/10/2022 13:30	3.4	274	27	5.2	0
25/10/2022 13:40	3.9	274	24	6.1	0
25/10/2022 13:50	3.9	268	23	6	0
25/10/2022 14:00	4	271	24	6	0
25/10/2022 14:10	4.6	277	22	6.9	0
25/10/2022 14:20	4.4	277	22	6.7	0
25/10/2022 14:30	4.4	279	27	6.9	0
25/10/2022 14:40	4.1	273	22	6.3	0
25/10/2022 14:50	4.2	270	23	5.8	0
25/10/2022 15:00	4.3	271	23	6.4	0
25/10/2022 15:10	4.2	287	23	6.8	0
25/10/2022 15:20	4.5	312	18	7	0
25/10/2022 15:30	4.7	307	20	6.8	0
25/10/2022 15:40	5.2	315	19	7.5	0
25/10/2022 15:50	4	305	20	6.4	0
25/10/2022 16:00	4.3	299	20	6.7	0
25/10/2022 16:10	3.9	298	21	6.9	0
25/10/2022 16:20	5	300	21	7.9	0
25/10/2022 16:30	6	302	16	7.8	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/10/2022 16:40	5	302	21	7.9	0
25/10/2022 16:50	6.2	304	13	8	0
25/10/2022 17:00	4.9	298	22	7.2	0
25/10/2022 17:10	3.8	277	21	6	0
25/10/2022 17:20	4.1	269	21	6.3	0
25/10/2022 17:30	4.5	272	24	6.5	0
25/10/2022 17:40	4.1	268	22	6	0
25/10/2022 17:50	3.6	269	22	5.5	0
25/10/2022 18:00	3.4	273	21	6	0
25/10/2022 18:10	4	266	29	7.2	0
25/10/2022 18:20	3.9	274	33	7	0
25/10/2022 18:30	4.5	265	25	7.1	0
25/10/2022 18:40	4.1	268	23	6.7	0
25/10/2022 18:50	4	270	23	6.2	0
25/10/2022 19:00	3.8	273	24	6.1	0
25/10/2022 19:10	3.8	275	24	6	0
25/10/2022 19:20	3.9	272	28	6.3	0
25/10/2022 19:30	4	270	27	6.3	0
25/10/2022 19:40	3.9	268	25	6.7	0
25/10/2022 19:50	4.3	267	23	6.7	0
25/10/2022 20:00	4.1	275	27	6.9	0
25/10/2022 20:10	4	271	26	6.8	0
25/10/2022 20:20	4	270	32	6.7	0
25/10/2022 20:30	3.9	273	28	6.9	0
25/10/2022 20:40	4	274	31	7.6	0
25/10/2022 20:50	3.7	266	35	6.5	0
25/10/2022 21:00	3.3	269	28	6.1	0
25/10/2022 21:10	3.6	270	31	7	0
25/10/2022 21:20	3.8	268	26	6	0
25/10/2022 21:30	3.3	269	26	6	0
25/10/2022 21:40	3.6	267	27	6.2	0
25/10/2022 21:50	3.5	271	27	5.3	0
25/10/2022 22:00	3.6	271	23	5.8	0
25/10/2022 22:10	3.4	266	26	6.1	0
25/10/2022 22:20	3.3	268	25	5.5	0
25/10/2022 22:30	2.4	260	44	5.5	0
25/10/2022 22:40	1.8	269	59	4.2	0
25/10/2022 22:50	2.3	258	46	4.6	0
25/10/2022 23:00	2.1	249	46	3.6	0
25/10/2022 23:10	1.7	229	48	2.7	0
25/10/2022 23:20	1.8	250	58	3.7	0
25/10/2022 23:30	1.8	256	39	4	0
25/10/2022 23:40	1.3	241	55	2.4	0
25/10/2022 23:50	1.1	274	72	2.9	0
26/10/2022 00:00	1.5	234	62	2.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/10/2022 00:10	1.2	223	62	2.6	0
26/10/2022 00:20	1.4	224	48	2.5	0
26/10/2022 00:30	1.2	222	41	2.1	0
26/10/2022 00:40	1.4	194	24	2.4	0
26/10/2022 00:50	1.3	235	47	2	0
26/10/2022 01:00	0.7	210	46	1.6	0
26/10/2022 01:10	1	187	20	1.6	0
26/10/2022 01:20	1.2	201	21	1.7	0
26/10/2022 01:30	1.4	199	19	2.1	0
26/10/2022 01:40	1	204	33	2	0
26/10/2022 01:50	0.8	264	21	1.6	0
26/10/2022 02:00	0.8	264	24	1.7	0
26/10/2022 02:10	1.1	269	23	2.1	0
26/10/2022 02:20	1.6	273	11	2.1	0
26/10/2022 02:30	1.6	279	10	2.1	0
26/10/2022 02:40	1.5	277	13	2.2	0
26/10/2022 02:50	1.4	267	17	2.1	0
26/10/2022 03:00	1.4	261	26	2.4	0
26/10/2022 03:10	2	257	21	3.7	0
26/10/2022 03:20	2.6	257	15	3.3	0
26/10/2022 03:30	2.2	256	17	3.2	0
26/10/2022 03:40	1.9	242	29	3	0
26/10/2022 03:50	2.2	221	24	4	0
26/10/2022 04:00	2.3	219	24	3.9	0
26/10/2022 04:10	2.1	218	25	3	0
26/10/2022 04:20	2.4	226	22	3.9	0
26/10/2022 04:30	3.7	217	15	5	0
26/10/2022 04:40	3.5	215	15	4.6	0
26/10/2022 04:50	3.8	213	13	5	0
26/10/2022 05:00	4.1	204	11	5.5	0
26/10/2022 05:10	3.9	203	10	5.2	0
26/10/2022 05:20	3.8	196	10	5.2	0
26/10/2022 05:30	4	199	11	5.3	0
26/10/2022 05:40	4.2	197	11	5.6	0
26/10/2022 05:50	3.7	195	11	5	0
26/10/2022 06:00	3.4	197	14	4.7	0
26/10/2022 06:10	3.2	192	14	4.3	0
26/10/2022 06:20	3.7	194	16	5	0
26/10/2022 06:30	3.3	192	15	4.4	0
26/10/2022 06:40	3.1	194	17	4.5	0
26/10/2022 06:50	3	194	18	4.5	0
26/10/2022 07:00	2.8	189	18	4.3	0
26/10/2022 07:10	2.4	188	22	4.1	0
26/10/2022 07:20	3	193	15	4.6	0
26/10/2022 07:30	3.2	192	19	5.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/10/2022 07:40	2.6	190	16	4.5	0
26/10/2022 07:50	3	190	20	4.6	0
26/10/2022 08:00	2	177	31	3.6	0
26/10/2022 08:10	2.4	150	30	4.4	0
26/10/2022 08:20	2.5	143	26	3.9	0
26/10/2022 08:30	2.4	133	22	3.7	0
26/10/2022 08:40	2.3	140	27	4	0
26/10/2022 08:50	2.6	126	29	4.8	0
26/10/2022 09:00	2.5	125	26	4.1	0
26/10/2022 09:10	2.5	118	20	3.7	0
26/10/2022 09:20	2.4	75	22	3.4	0
26/10/2022 09:30	2.5	46	13	3.2	0
26/10/2022 09:40	2	58	19	3.1	0
26/10/2022 09:50	2.3	43	13	3.3	0
26/10/2022 10:00	2	53	23	2.8	0
26/10/2022 10:10	2.3	50	14	3.3	0
26/10/2022 10:20	2.1	53	26	3	0
26/10/2022 10:30	2.5	60	15	3.5	0
26/10/2022 10:40	2.8	59	13	3.6	0
26/10/2022 10:50	2.5	59	17	3.8	0
26/10/2022 11:00	3.2	50	15	4.8	0
26/10/2022 11:10	3.8	40	14	5	0
26/10/2022 11:20	4	39	15	5.1	0
26/10/2022 11:30	3.7	41	14	5.3	0
26/10/2022 11:40	4.1	44	14	5.4	0
26/10/2022 11:50	4.3	39	13	6	0
26/10/2022 12:00	4	38	14	5.6	0
26/10/2022 12:10	4.1	38	15	5.5	0
26/10/2022 12:20	4.2	39	13	5.9	0
26/10/2022 12:30	4.1	39	11	5.6	0
26/10/2022 12:40	4.1	37	15	5.6	0
26/10/2022 12:50	4	38	14	5.7	0
26/10/2022 13:00	4.1	39	14	5.2	0
26/10/2022 13:10	4.3	35	12	6.4	0
26/10/2022 13:20	4.7	35	13	6.5	0
26/10/2022 13:30	4.5	41	14	6.9	0
26/10/2022 13:40	4.6	41	11	6.7	0
26/10/2022 13:50	5.5	36	14	7.5	0
26/10/2022 14:00	5.2	30	12	7.3	0
26/10/2022 14:10	5.4	32	15	7.5	0
26/10/2022 14:20	5.2	36	14	7.9	0
26/10/2022 14:30	6.2	29	15	8.6	0
26/10/2022 14:40	5.8	34	14	9	0
26/10/2022 14:50	5.7	34	13	7.9	0
26/10/2022 15:00	5.9	34	12	7.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/10/2022 15:10	5.7	30	15	8.2	0
26/10/2022 15:20	5.9	39	13	8.3	0
26/10/2022 15:30	5.2	42	13	7.3	0
26/10/2022 15:40	4.6	40	13	6	0
26/10/2022 15:50	4.3	17	18	5.7	0
26/10/2022 16:00	4	341	19	6	0
26/10/2022 16:10	4.8	333	14	6.5	0
26/10/2022 16:20	4.5	350	11	6.4	0
26/10/2022 16:30	5	349	16	6.5	0
26/10/2022 16:40	3.7	335	16	5.2	0
26/10/2022 16:50	4	342	13	5.6	0
26/10/2022 17:00	4.1	340	16	6	0
26/10/2022 17:10	3.2	316	20	4.8	0
26/10/2022 17:20	2.9	292	21	4.4	0
26/10/2022 17:30	3.5	295	19	5.4	0
26/10/2022 17:40	3.6	303	15	5.2	0
26/10/2022 17:50	2.6	288	25	3.9	0
26/10/2022 18:00	2.9	288	23	4.9	0
26/10/2022 18:10	3.3	300	16	4.6	0
26/10/2022 18:20	3	298	13	4.4	0
26/10/2022 18:30	2.7	297	19	3.8	0
26/10/2022 18:40	3.3	300	14	4.6	0
26/10/2022 18:50	2.2	299	23	3.6	0
26/10/2022 19:00	2.4	291	20	3.5	0
26/10/2022 19:10	2.6	269	17	4	0
26/10/2022 19:20	2.3	272	16	3.2	0
26/10/2022 19:30	2.2	270	20	3.5	0
26/10/2022 19:40	2	274	22	3.2	0
26/10/2022 19:50	1.7	277	29	2.7	0
26/10/2022 20:00	2.1	283	22	3.1	0
26/10/2022 20:10	1.8	281	22	2.8	0
26/10/2022 20:20	1.8	272	25	3.2	0
26/10/2022 20:30	1.8	273	28	2.8	0
26/10/2022 20:40	1.7	272	24	2.8	0
26/10/2022 20:50	1.7	264	28	2.6	0
26/10/2022 21:00	1.1	255	55	2	0
26/10/2022 21:10	1.1	279	37	2.4	0
26/10/2022 21:20	1.8	272	48	4	0
26/10/2022 21:30	2.1	280	20	3.5	0
26/10/2022 21:40	1.4	288	35	2.8	0
26/10/2022 21:50	1	256	39	1.9	0
26/10/2022 22:00	1.4	302	30	2.2	0
26/10/2022 22:10	1.1	310	42	2.8	0
26/10/2022 22:20	1.2	295	62	2.7	0
26/10/2022 22:30	1.4	221	71	3	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/10/2022 22:40	1.6	238	55	3.1	0
26/10/2022 22:50	1.5	233	40	2.9	0
26/10/2022 23:00	1.6	249	53	3.2	0
26/10/2022 23:10	1.9	257	40	4.6	0
26/10/2022 23:20	1.7	249	53	3.4	0
26/10/2022 23:30	1.8	252	37	3.1	0
26/10/2022 23:40	1.3	206	68	3.2	0
26/10/2022 23:50	1.3	221	51	2.6	0
27/10/2022 00:00	1.2	239	82	2.3	0
27/10/2022 00:10	1.3	206	59	2.7	0
27/10/2022 00:20	1.1	179	71	2.6	0
27/10/2022 00:30	1.3	278	46	2.9	0
27/10/2022 00:40	1.3	249	68	2.8	0
27/10/2022 00:50	0.9	141	75	1.5	0
27/10/2022 01:00	1	297	72	2.2	0
27/10/2022 01:10	1.2	223	53	2.3	0
27/10/2022 01:20	1.2	281	68	2.6	0
27/10/2022 01:30	1.3	289	41	2.4	0
27/10/2022 01:40	1.3	277	78	2.4	0
27/10/2022 01:50	1.4	260	59	2.7	0
27/10/2022 02:00	1.4	266	67	2.9	0
27/10/2022 02:10	1.5	240	67	3.5	0
27/10/2022 02:20	1.1	160	77	2.3	0
27/10/2022 02:30	0.9	243	74	1.7	0
27/10/2022 02:40	1.2	218	67	2.4	0
27/10/2022 02:50	1.4	230	71	3.2	0
27/10/2022 03:00	1.8	267	44	4.4	0
27/10/2022 03:10	1.7	247	52	3.5	0
27/10/2022 03:20	1.7	256	52	3.2	0
27/10/2022 03:30	1	171	63	2.2	0
27/10/2022 03:40	1.2	164	92	3	0
27/10/2022 03:50	1.1	223	75	2.4	0
27/10/2022 04:00	1.3	228	53	2.2	0
27/10/2022 04:10	1.5	273	31	3.2	0
27/10/2022 04:20	1.5	265	46	2.4	0
27/10/2022 04:30	1.7	256	38	3.4	0
27/10/2022 04:40	1.3	225	77	2.5	0
27/10/2022 04:50	1.3	252	56	2.4	0
27/10/2022 05:00	1	284	60	2.4	0
27/10/2022 05:10	1.1	168	66	2.4	0
27/10/2022 05:20	1.1	172	52	2.8	0
27/10/2022 05:30	1.3	213	43	2.4	0
27/10/2022 05:40	1.8	191	25	2.8	0
27/10/2022 05:50	1.6	196	23	2.6	0
27/10/2022 06:00	1.7	204	37	2.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/10/2022 06:10	1.7	231	43	2.8	0
27/10/2022 06:20	1.7	226	36	3.4	0
27/10/2022 06:30	1.3	245	42	2	0
27/10/2022 06:40	1.7	226	35	2.8	0
27/10/2022 06:50	1.9	232	30	3.2	0
27/10/2022 07:00	1.7	258	20	2.9	0
27/10/2022 07:10	2.1	263	18	3.2	0
27/10/2022 07:20	2	257	28	3	0
27/10/2022 07:30	2.2	214	36	2.9	0
27/10/2022 07:40	1.8	232	37	2.8	0
27/10/2022 07:50	2.2	287	22	3.6	0
27/10/2022 08:00	2.7	296	20	4	0
27/10/2022 08:10	2.6	298	20	4	0
27/10/2022 08:20	2.4	283	25	3.8	0
27/10/2022 08:30	2.4	277	25	4.1	0
27/10/2022 08:40	2.6	291	21	4.1	0
27/10/2022 08:50	2.5	288	21	3.4	0
27/10/2022 09:00	2.4	284	24	3.8	0
27/10/2022 09:10	2.5	286	23	3.8	0
27/10/2022 09:20	3	279	24	4.1	0
27/10/2022 09:30	2.8	273	21	4.2	0
27/10/2022 09:40	3.1	281	21	4.8	0
27/10/2022 09:50	3.5	275	18	5.3	0
27/10/2022 10:00	3.2	267	24	5.2	0
27/10/2022 10:10	3.5	271	22	5	0
27/10/2022 10:20	3.5	279	25	5.1	0
27/10/2022 10:30	3.2	276	21	4.9	0
27/10/2022 10:40	3.3	274	23	5.6	0
27/10/2022 10:50	3.6	285	23	5.6	0
27/10/2022 11:00	3.8	284	21	5.6	0
27/10/2022 11:10	3.2	268	23	5.2	0
27/10/2022 11:20	3.3	275	25	5.2	0
27/10/2022 11:30	3.4	263	22	5.1	0
27/10/2022 11:40	3.4	273	26	6.4	0
27/10/2022 11:50	3.9	274	22	6.6	0
27/10/2022 12:00	4.2	266	24	6.5	0
27/10/2022 12:10	4.3	272	19	6.1	0
27/10/2022 12:20	4	269	21	6.2	0
27/10/2022 12:30	4	269	18	5.7	0
27/10/2022 12:40	3.8	272	22	6.2	0
27/10/2022 12:50	4	262	20	6.7	0
27/10/2022 13:00	3.9	265	25	5.9	0
27/10/2022 13:10	4.1	272	24	6.4	0
27/10/2022 13:20	3.7	272	26	6	0
27/10/2022 13:30	3.8	299	28	6.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/10/2022 13:40	3.8	300	23	6	0
27/10/2022 13:50	3.9	300	27	6.3	0
27/10/2022 14:00	4.9	304	18	6.6	0
27/10/2022 14:10	4.9	301	17	7	0
27/10/2022 14:20	4.6	304	19	7.3	0
27/10/2022 14:30	4.9	304	19	7.4	0
27/10/2022 14:40	4.4	295	22	6.4	0
27/10/2022 14:50	4.7	307	22	7.4	0
27/10/2022 15:00	4.7	308	22	6.8	0
27/10/2022 15:10	4.8	299	18	7.8	0
27/10/2022 15:20	4.9	304	19	7.3	0
27/10/2022 15:30	4.5	310	17	6.7	0
27/10/2022 15:40	4.2	307	20	7.3	0
27/10/2022 15:50	4.2	302	20	7	0
27/10/2022 16:00	5.3	303	18	7.8	0
27/10/2022 16:10	5.3	305	17	8.4	0
27/10/2022 16:20	4.9	297	21	7.9	0
27/10/2022 16:30	4.1	290	24	7.4	0
27/10/2022 16:40	5	296	18	8	0
27/10/2022 16:50	4.8	302	16	7.5	0
27/10/2022 17:00	4.8	300	20	7.2	0
27/10/2022 17:10	4.8	300	21	7.5	0
27/10/2022 17:20	4.8	294	22	7.7	0
27/10/2022 17:30	5.6	304	14	7.9	0
27/10/2022 17:40	4.2	297	22	6.7	0
27/10/2022 17:50	4.3	293	23	7.3	0
27/10/2022 18:00	4.5	296	23	7.3	0
27/10/2022 18:10	4.3	295	22	7.1	0
27/10/2022 18:20	4	293	24	6.5	0
27/10/2022 18:30	3.8	290	23	6.3	0
27/10/2022 18:40	3.7	287	23	6	0
27/10/2022 18:50	3.6	289	22	6	0
27/10/2022 19:00	4	284	23	6.6	0
27/10/2022 19:10	3.5	281	24	5.7	0
27/10/2022 19:20	3.5	282	22	5.7	0
27/10/2022 19:30	3.6	278	22	5.8	0
27/10/2022 19:40	3.7	287	19	5.7	0
27/10/2022 19:50	3.5	283	21	5.7	0
27/10/2022 20:00	3	288	23	5.1	0
27/10/2022 20:10	3.5	276	22	5.2	0
27/10/2022 20:20	3.3	283	25	5.3	0
27/10/2022 20:30	3.1	278	21	4.6	0
27/10/2022 20:40	3.5	285	19	5.6	0
27/10/2022 20:50	3.1	290	22	5.1	0
27/10/2022 21:00	2.3	294	28	4.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/10/2022 21:10	2.9	300	22	4.8	0
27/10/2022 21:20	2.4	293	27	4.4	0
27/10/2022 21:30	2.7	293	22	4	0
27/10/2022 21:40	2.6	284	23	4.4	0
27/10/2022 21:50	2.8	279	24	4.5	0
27/10/2022 22:00	2.8	273	21	4.5	0
27/10/2022 22:10	2.7	268	33	4.4	0
27/10/2022 22:20	2.8	265	43	4.4	0
27/10/2022 22:30	3.1	266	33	5.5	0
27/10/2022 22:40	2.3	268	50	4.4	0
27/10/2022 22:50	3.2	270	32	5.2	0
27/10/2022 23:00	3.3	270	28	5.5	0
27/10/2022 23:10	3.4	272	30	6	0
27/10/2022 23:20	2.4	276	51	5.1	0
27/10/2022 23:30	3.1	266	34	5.4	0
27/10/2022 23:40	3.4	271	25	5.6	0
27/10/2022 23:50	3.6	272	26	6	0
28/10/2022 00:00	2.8	269	36	5.2	0
28/10/2022 00:10	3.2	271	27	5.5	0
28/10/2022 00:20	3	258	45	5.3	0
28/10/2022 00:30	2.6	275	40	5.2	0
28/10/2022 00:40	2.6	268	47	4.8	0
28/10/2022 00:50	2.5	263	57	4.5	0
28/10/2022 01:00	2.5	275	37	4.6	0
28/10/2022 01:10	2.7	260	46	6.1	0
28/10/2022 01:20	2.3	262	51	4.4	0
28/10/2022 01:30	2.5	270	62	5.2	0
28/10/2022 01:40	2.8	273	33	5.6	0
28/10/2022 01:50	2.7	262	45	4.6	0
28/10/2022 02:00	2.7	264	39	5.8	0
28/10/2022 02:10	1.9	248	61	4.3	0
28/10/2022 02:20	2.2	270	55	4.6	0
28/10/2022 02:30	2.4	258	52	4.4	0
28/10/2022 02:40	1.6	223	60	3.2	0
28/10/2022 02:50	1.9	255	61	4.7	0
28/10/2022 03:00	2	258	63	4.6	0
28/10/2022 03:10	1.7	263	68	4.4	0
28/10/2022 03:20	1.9	237	47	3.9	0
28/10/2022 03:30	1.7	243	62	3.8	0
28/10/2022 03:40	2.4	243	39	4.1	0
28/10/2022 03:50	1.7	246	55	3.2	0
28/10/2022 04:00	1.9	256	60	4	0
28/10/2022 04:10	1.5	185	80	4	0
28/10/2022 04:20	1.5	226	57	2.6	0
28/10/2022 04:30	1.2	249	65	2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/10/2022 04:40	1.3	187	37	2.4	0
28/10/2022 04:50	1.5	189	41	2.5	0
28/10/2022 05:00	1.5	215	49	3.9	0
28/10/2022 05:10	1.4	213	48	3.2	0
28/10/2022 05:20	2	211	41	3.2	0
28/10/2022 05:30	1.8	207	49	4	0
28/10/2022 05:40	1.5	207	59	2.7	0
28/10/2022 05:50	1.7	202	51	3.4	0
28/10/2022 06:00	1.9	207	41	3.9	0
28/10/2022 06:10	1.6	200	47	2.9	0
28/10/2022 06:20	1.5	184	57	3.1	0
28/10/2022 06:30	2.2	205	38	3.6	0
28/10/2022 06:40	1.8	202	57	3.7	0
28/10/2022 06:50	1.8	225	73	3.6	0
28/10/2022 07:00	1.6	207	69	3.8	0
28/10/2022 07:10	2.6	248	34	5.5	0
28/10/2022 07:20	2.7	252	39	5.6	0
28/10/2022 07:30	2.6	255	35	4.6	0
28/10/2022 07:40	2.5	259	53	6	0
28/10/2022 07:50	3.1	269	40	6.2	0
28/10/2022 08:00	3.4	264	29	6.1	0
28/10/2022 08:10	3.2	275	30	5.9	0
28/10/2022 08:20	3.5	274	33	5.6	0
28/10/2022 08:30	3.3	266	34	6.1	0
28/10/2022 08:40	4	256	33	6.9	0
28/10/2022 08:50	3.6	273	36	6.1	0
28/10/2022 09:00	4.2	277	25	6.8	0
28/10/2022 09:10	4.6	270	22	7.9	0
28/10/2022 09:20	4.6	278	22	6.9	0
28/10/2022 09:30	4.9	275	18	7.3	0
28/10/2022 09:40	4.6	277	21	7.2	0
28/10/2022 09:50	4.8	274	23	7.3	0
28/10/2022 10:00	4.6	271	25	8.4	0
28/10/2022 10:10	4.8	274	22	6.8	0
28/10/2022 10:20	5	268	24	7.9	0
28/10/2022 10:30	4.8	265	27	7.6	0
28/10/2022 10:40	5.2	269	27	7.8	0
28/10/2022 10:50	4.3	268	30	7.8	0
28/10/2022 11:00	4.5	270	26	6.9	0
28/10/2022 11:10	5.1	270	25	8	0
28/10/2022 11:20	5.1	272	23	8.7	0
28/10/2022 11:30	4.8	273	25	8.3	0
28/10/2022 11:40	4.6	269	33	7.2	0
28/10/2022 11:50	5	275	35	8.7	0
28/10/2022 12:00	5.2	274	24	8.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/10/2022 12:10	5.7	280	22	9.1	0
28/10/2022 12:20	5.4	274	23	9.1	0
28/10/2022 12:30	5.9	275	22	8.7	0
28/10/2022 12:40	5.3	275	22	8.7	0
28/10/2022 12:50	6	283	21	9.2	0
28/10/2022 13:00	5.2	271	26	8.8	0
28/10/2022 13:10	4.5	273	30	8.1	0
28/10/2022 13:20	5.3	270	24	9	0
28/10/2022 13:30	4.6	273	26	7.5	0
28/10/2022 13:40	4.8	279	26	8.2	0
28/10/2022 13:50	5.6	272	26	8.5	0
28/10/2022 14:00	4.8	268	28	8.5	0
28/10/2022 14:10	5.5	274	21	8.3	0
28/10/2022 14:20	4.6	269	31	7.3	0
28/10/2022 14:30	4.3	276	27	7.5	0
28/10/2022 14:40	4.7	274	23	7.8	0
28/10/2022 14:50	4.1	274	30	7.2	0
28/10/2022 15:00	5.1	277	24	8	0
28/10/2022 15:10	4.4	269	32	7.8	0
28/10/2022 15:20	4.5	268	22	7.5	0
28/10/2022 15:30	4.5	273	27	7.2	0
28/10/2022 15:40	4.3	272	26	7.8	0
28/10/2022 15:50	4.3	274	31	7.3	0
28/10/2022 16:00	4.1	272	31	6.9	0
28/10/2022 16:10	4.7	269	27	7.5	0
28/10/2022 16:20	4.4	275	30	7.5	0
28/10/2022 16:30	4.4	270	27	6.9	0
28/10/2022 16:40	4.6	271	26	6.8	0
28/10/2022 16:50	4.8	274	25	8.3	0
28/10/2022 17:00	4.2	273	28	7.4	0
28/10/2022 17:10	4	268	32	7.1	0
28/10/2022 17:20	3.9	270	26	6.1	0
28/10/2022 17:30	4.1	268	30	6.2	0
28/10/2022 17:40	4.1	269	28	6.6	0
28/10/2022 17:50	3.8	271	25	6.3	0
28/10/2022 18:00	3.9	272	25	6.7	0
28/10/2022 18:10	3.8	268	28	6.9	0
28/10/2022 18:20	3.7	267	33	6.6	0
28/10/2022 18:30	3.6	274	32	5.9	0
28/10/2022 18:40	3.8	272	30	6.8	0
28/10/2022 18:50	3.5	264	36	6.4	0
28/10/2022 19:00	3.9	264	28	7.4	0
28/10/2022 19:10	3.8	269	23	7	0
28/10/2022 19:20	3.5	269	33	6.6	0
28/10/2022 19:30	3.8	273	31	7.5	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/10/2022 19:40	3.9	268	33	6.9	0
28/10/2022 19:50	3.7	270	33	6.6	0
28/10/2022 20:00	3.7	250	47	7.5	0
28/10/2022 20:10	3.2	266	44	6	0
28/10/2022 20:20	3	265	42	5.6	0
28/10/2022 20:30	2.9	268	50	5.4	0
28/10/2022 20:40	2.4	258	62	6.3	0
28/10/2022 20:50	2.8	246	48	5.1	0
28/10/2022 21:00	2.6	253	59	5.6	0
28/10/2022 21:10	2.6	255	57	5.6	0
28/10/2022 21:20	2.9	263	42	5.8	0
28/10/2022 21:30	2.1	240	74	4.2	0
28/10/2022 21:40	3	256	40	5.6	0
28/10/2022 21:50	2.7	250	57	5	0
28/10/2022 22:00	2.5	268	48	5.3	0
28/10/2022 22:10	2.6	256	56	4.8	0
28/10/2022 22:20	2.9	261	54	6	0
28/10/2022 22:30	2.3	250	65	5.1	0
28/10/2022 22:40	2.6	257	62	5.5	0
28/10/2022 22:50	3	257	54	6.1	0
28/10/2022 23:00	2.5	252	56	5.4	0
28/10/2022 23:10	2.7	233	58	5.3	0
28/10/2022 23:20	2.7	242	61	4.8	0
28/10/2022 23:30	2.4	245	61	5	0
28/10/2022 23:40	2.3	246	61	5.3	0
28/10/2022 23:50	2.5	250	56	5.5	0
29/10/2022 00:00	2.8	226	61	5.9	0
29/10/2022 00:10	2.9	237	46	5.5	0
29/10/2022 00:20	2.8	230	58	5.6	0
29/10/2022 00:30	2.4	225	55	4.8	0
29/10/2022 00:40	2.7	243	49	5.7	0
29/10/2022 00:50	2.2	239	55	5.8	0
29/10/2022 01:00	3	251	56	6.2	0
29/10/2022 01:10	2.3	231	50	4.2	0
29/10/2022 01:20	2.6	237	53	5.8	0
29/10/2022 01:30	1.8	247	60	3.4	0
29/10/2022 01:40	2.5	218	36	5.7	0
29/10/2022 01:50	2.5	214	40	4.4	0
29/10/2022 02:00	2.7	197	31	5.3	0
29/10/2022 02:10	2.6	210	42	5.9	0
29/10/2022 02:20	3.3	211	36	6	0
29/10/2022 02:30	3.1	210	40	5.5	0
29/10/2022 02:40	3	220	47	6.8	0
29/10/2022 02:50	2.9	203	44	6	0
29/10/2022 03:00	3.4	203	29	5.8	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/10/2022 03:10	3.3	210	32	6.6	0
29/10/2022 03:20	2.9	217	44	5.2	0
29/10/2022 03:30	3.4	212	36	5.3	0
29/10/2022 03:40	3.2	202	38	6.4	0
29/10/2022 03:50	4.1	211	28	7.7	0
29/10/2022 04:00	3.2	210	30	6.8	0
29/10/2022 04:10	3	207	38	5.2	0
29/10/2022 04:20	3.2	212	32	7	0
29/10/2022 04:30	3.1	206	32	6	0
29/10/2022 04:40	3.5	206	26	5.4	0
29/10/2022 04:50	3.2	203	31	5.4	0
29/10/2022 05:00	3.7	206	26	6.4	0
29/10/2022 05:10	3.5	207	28	6	0
29/10/2022 05:20	3.6	208	26	6.8	0
29/10/2022 05:30	3.8	199	20	6.4	0
29/10/2022 05:40	3.7	201	19	6.6	0
29/10/2022 05:50	3.4	199	22	6	0
29/10/2022 06:00	3.1	198	35	5.2	0
29/10/2022 06:10	3	203	31	6.1	0
29/10/2022 06:20	3.2	199	25	4.8	0
29/10/2022 06:30	3.8	208	22	6.4	0
29/10/2022 06:40	3.7	208	26	5.8	0
29/10/2022 06:50	4.2	198	20	6.4	0
29/10/2022 07:00	3.5	199	28	5.6	0
29/10/2022 07:10	3.6	208	26	6.1	0
29/10/2022 07:20	4.1	202	21	6.9	0
29/10/2022 07:30	4.1	203	22	6.4	0
29/10/2022 07:40	3.3	213	30	5.8	0
29/10/2022 07:50	3.8	200	24	6.8	0
29/10/2022 08:00	4.4	203	24	7.1	0
29/10/2022 08:10	4.6	199	17	7.2	0
29/10/2022 08:20	4.8	201	17	6.9	0
29/10/2022 08:30	4.2	204	20	6.4	0
29/10/2022 08:40	3.7	213	33	6.8	0
29/10/2022 08:50	4.1	219	31	7.4	0
29/10/2022 09:00	4.4	197	23	8.2	0
29/10/2022 09:10	4.7	204	26	7.2	0
29/10/2022 09:20	4.6	199	21	8	0
29/10/2022 09:30	4.4	204	24	6.6	0
29/10/2022 09:40	3.9	210	34	6.9	0
29/10/2022 09:50	3.7	213	31	6.4	0
29/10/2022 10:00	4.9	204	22	8.3	0
29/10/2022 10:10	3.7	226	37	6.6	0
29/10/2022 10:20	4.8	208	29	8.3	0
29/10/2022 10:30	4.9	199	18	7.5	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/10/2022 10:40	4.3	213	38	7.7	0
29/10/2022 10:50	3.6	222	42	6	0
29/10/2022 11:00	4.1	259	35	6.6	0
29/10/2022 11:10	3.7	264	36	6.2	0
29/10/2022 11:20	5.1	286	21	8.5	0
29/10/2022 11:30	4.7	282	25	7.9	0
29/10/2022 11:40	5.1	278	26	8.5	0
29/10/2022 11:50	5	279	25	7.5	0
29/10/2022 12:00	5	280	23	8.5	0
29/10/2022 12:10	5.4	276	21	8.2	0
29/10/2022 12:20	5.5	273	23	8.7	0
29/10/2022 12:30	5.3	278	23	8.7	0
29/10/2022 12:40	5.1	276	25	7.9	0
29/10/2022 12:50	5.7	269	26	9.1	0
29/10/2022 13:00	5	276	24	8.2	0
29/10/2022 13:10	4.9	274	25	7.3	0
29/10/2022 13:20	5.3	274	28	9.7	0
29/10/2022 13:30	5.3	269	24	8.1	0
29/10/2022 13:40	5	269	34	9.2	0
29/10/2022 13:50	5.8	273	28	8.9	0
29/10/2022 14:00	5.2	271	29	8.3	0
29/10/2022 14:10	5.1	271	27	8.1	0
29/10/2022 14:20	5.3	266	27	8.3	0
29/10/2022 14:30	5.2	273	28	8.8	0
29/10/2022 14:40	5.5	269	30	9.5	0
29/10/2022 14:50	5.1	272	30	8.3	0
29/10/2022 15:00	5.8	271	24	9.1	0
29/10/2022 15:10	5.7	272	24	8.6	0
29/10/2022 15:20	5.2	266	30	8.9	0
29/10/2022 15:30	4.9	271	31	9	0
29/10/2022 15:40	5.2	272	26	8.6	0
29/10/2022 15:50	5.2	273	28	7.9	0
29/10/2022 16:00	5.3	271	26	9	0
29/10/2022 16:10	5.1	268	31	8.7	0
29/10/2022 16:20	5.1	261	39	9.4	0
29/10/2022 16:30	5.2	266	34	9.5	0
29/10/2022 16:40	4.9	268	36	9.2	0
29/10/2022 16:50	5.2	270	27	9.9	0
29/10/2022 17:00	4.2	254	40	7.7	0
29/10/2022 17:10	4.4	257	40	8.7	0
29/10/2022 17:20	4	260	50	8.3	0
29/10/2022 17:30	4.3	256	47	8.4	0
29/10/2022 17:40	4.2	262	42	7.3	0
29/10/2022 17:50	3.7	265	40	7.7	0
29/10/2022 18:00	4.5	264	41	7.9	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/10/2022 18:10	3.4	271	56	6.7	0
29/10/2022 18:20	4.3	266	39	9.1	0
29/10/2022 18:30	3.6	256	51	7.5	0
29/10/2022 18:40	3.8	246	50	6.9	0
29/10/2022 18:50	4.1	243	43	7.7	0
29/10/2022 19:00	3.1	224	56	7.1	0
29/10/2022 19:10	3.4	237	49	6	0
29/10/2022 19:20	3.5	240	44	6.9	0
29/10/2022 19:30	3.1	251	55	5.6	0
29/10/2022 19:40	3	237	57	5.9	0
29/10/2022 19:50	3.1	255	48	7	0
29/10/2022 20:00	2.9	261	53	6.2	0
29/10/2022 20:10	2.6	251	62	5.5	0
29/10/2022 20:20	2.8	263	55	6.6	0
29/10/2022 20:30	2.9	253	59	6.4	0
29/10/2022 20:40	2.9	237	54	6.2	0
29/10/2022 20:50	2.6	256	50	5.9	0
29/10/2022 21:00	2.9	253	48	5.8	0
29/10/2022 21:10	3.2	262	46	6	0
29/10/2022 21:20	2.9	254	44	5.5	0
29/10/2022 21:30	2.6	240	57	5.8	0
29/10/2022 21:40	2.3	248	52	5.2	0
29/10/2022 21:50	2.2	255	47	4.7	0
29/10/2022 22:00	2.9	237	39	5.1	0
29/10/2022 22:10	3.1	233	45	6.4	0
29/10/2022 22:20	2.3	228	53	4.2	0
29/10/2022 22:30	2.5	220	65	6.7	0
29/10/2022 22:40	2.5	226	47	5.6	0
29/10/2022 22:50	3.1	245	38	6.1	0
29/10/2022 23:00	2.8	213	47	6.4	0
29/10/2022 23:10	2.7	215	44	6.2	0
29/10/2022 23:20	2.5	221	49	5.2	0
29/10/2022 23:30	2.4	221	53	5.2	0
29/10/2022 23:40	2.6	229	52	5.4	0
29/10/2022 23:50	2.8	217	46	5.6	0
30/10/2022 00:00	2.8	222	45	5.3	0
30/10/2022 00:10	2.6	223	52	5.2	0
30/10/2022 00:20	2.3	218	43	6	0
30/10/2022 00:30	2.2	230	50	4.3	0
30/10/2022 00:40	2.2	249	61	4.8	0
30/10/2022 00:50	2.3	210	55	4.8	0
30/10/2022 01:00	2	198	60	4.5	0
30/10/2022 01:10	2	223	54	3.9	0
30/10/2022 01:20	2.2	215	59	5.2	0
30/10/2022 01:30	2.5	207	43	5.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/10/2022 01:40	2.4	221	46	5.1	0
30/10/2022 01:50	2.4	218	40	5.9	0
30/10/2022 02:00	2.1	199	49	4.5	0
30/10/2022 02:10	2.4	206	40	5.1	0
30/10/2022 02:20	2.4	216	45	5.3	0
30/10/2022 02:30	2.6	214	37	4.6	0
30/10/2022 02:40	2.5	222	39	4.8	0
30/10/2022 02:50	2.8	226	34	5.8	0
30/10/2022 03:00	1.8	213	53	4.3	0
30/10/2022 03:10	1.9	255	52	3.9	0
30/10/2022 03:20	1.6	225	61	3.3	0
30/10/2022 03:30	1.5	213	65	3.5	0
30/10/2022 03:40	1.8	220	53	3.5	0
30/10/2022 03:50	1.6	205	47	2.8	0
30/10/2022 04:00	2.5	216	34	4.8	0
30/10/2022 04:10	2.4	219	29	4.6	0
30/10/2022 04:20	2.5	212	31	4.4	0
30/10/2022 04:30	2.5	210	27	4.4	0
30/10/2022 04:40	2.5	216	37	4.5	0
30/10/2022 04:50	2.9	214	32	4.9	0
30/10/2022 05:00	3.7	202	20	5.9	0
30/10/2022 05:10	4.2	201	15	6.5	0
30/10/2022 05:20	4.4	200	13	6.6	0
30/10/2022 05:30	4.3	196	14	7.1	0
30/10/2022 05:40	4	198	15	5.8	0
30/10/2022 05:50	4.6	203	15	6.4	0
30/10/2022 06:00	4.8	207	16	6.6	0
30/10/2022 06:10	4.8	201	18	6.9	0
30/10/2022 06:20	4.5	207	21	6.5	0
30/10/2022 06:30	4.3	205	24	6.7	0
30/10/2022 06:40	3.5	209	24	5.7	0
30/10/2022 06:50	3.6	203	22	6	0
30/10/2022 07:00	4.1	205	18	7.2	0
30/10/2022 07:10	4.9	203	15	7.1	0
30/10/2022 07:20	4.7	201	17	6.6	0
30/10/2022 07:30	4.4	200	16	6.2	0
30/10/2022 07:40	4.6	202	17	7.4	0
30/10/2022 07:50	5.1	205	16	7.1	0
30/10/2022 08:00	4.5	199	16	6.4	0
30/10/2022 08:10	4.1	201	18	6	0
30/10/2022 08:20	4	205	15	6	0
30/10/2022 08:30	3.6	202	17	5.3	0
30/10/2022 08:40	3.3	199	20	4.9	0
30/10/2022 08:50	3.1	203	23	4.8	0
30/10/2022 09:00	3.1	208	19	5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/10/2022 09:10	3.3	195	17	5.5	0
30/10/2022 09:20	3.2	199	23	4.9	0
30/10/2022 09:30	2.7	204	20	4	0
30/10/2022 09:40	2.8	201	20	4.1	0
30/10/2022 09:50	2.9	186	25	4.5	0
30/10/2022 10:00	3	200	34	5.1	0
30/10/2022 10:10	3.6	198	24	6.6	0
30/10/2022 10:20	2.8	221	43	4.9	0
30/10/2022 10:30	3.6	198	16	6.5	0
30/10/2022 10:40	3	210	32	5.4	0
30/10/2022 10:50	3.1	222	31	5.2	0
30/10/2022 11:00	2.9	205	43	5.7	0
30/10/2022 11:10	2.8	261	54	4.8	0
30/10/2022 11:20	3.9	282	29	6.1	0
30/10/2022 11:30	3.9	282	24	6.4	0
30/10/2022 11:40	3.8	269	27	5.9	0
30/10/2022 11:50	4	280	23	6.3	0
30/10/2022 12:00	4.7	283	24	7.2	0
30/10/2022 12:10	4.9	272	21	7.7	0
30/10/2022 12:20	4.6	271	21	6.7	0
30/10/2022 12:30	4.9	276	25	7.6	0
30/10/2022 12:40	5.2	273	20	7.9	0
30/10/2022 12:50	4.8	272	22	7.5	0
30/10/2022 13:00	5.4	274	21	8.5	0
30/10/2022 13:10	5.3	270	20	8.3	0
30/10/2022 13:20	5.1	274	22	8	0
30/10/2022 13:30	5.4	276	23	7.9	0
30/10/2022 13:40	4.9	282	25	8.1	0
30/10/2022 13:50	4.6	271	28	7.5	0
30/10/2022 14:00	4	277	30	6.2	0
30/10/2022 14:10	5.1	267	24	7.8	0
30/10/2022 14:20	5.1	273	23	7.9	0
30/10/2022 14:30	5.3	268	25	8.4	0
30/10/2022 14:40	5.2	273	24	8.3	0
30/10/2022 14:50	5.2	276	20	8.1	0
30/10/2022 15:00	4.5	269	25	7.3	0
30/10/2022 15:10	4.7	274	24	7.9	0
30/10/2022 15:20	3.9	275	28	6.7	0
30/10/2022 15:30	4.8	273	21	7.7	0
30/10/2022 15:40	4.9	280	20	8.8	0
30/10/2022 15:50	5	268	22	7.9	0
30/10/2022 16:00	4.1	277	22	6.3	0
30/10/2022 16:10	4.5	270	20	7.5	0
30/10/2022 16:20	3.9	259	35	6.5	0
30/10/2022 16:30	3.8	256	38	7.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/10/2022 16:40	3	245	41	5.4	0
30/10/2022 16:50	4	258	32	7.7	0
30/10/2022 17:00	3.6	262	37	5.9	0
30/10/2022 17:10	4.6	268	28	6.8	0
30/10/2022 17:20	3.5	269	34	6.5	0
30/10/2022 17:30	3.4	263	31	5.7	0
30/10/2022 17:40	3.8	267	26	5.6	0
30/10/2022 17:50	2.2	231	60	4.4	0
30/10/2022 18:00	2.6	254	35	4.8	0
30/10/2022 18:10	4	274	22	6	0
30/10/2022 18:20	3	287	17	4.3	0
30/10/2022 18:30	3.6	277	11	5.2	0
30/10/2022 18:40	3.2	279	13	4.4	0
30/10/2022 18:50	3	253	25	4.5	0
30/10/2022 19:00	3.8	207	17	6.2	0
30/10/2022 19:10	4.2	204	14	5.7	0
30/10/2022 19:20	4.1	212	14	6.6	0
30/10/2022 19:30	4.2	210	14	5.6	0
30/10/2022 19:40	4	211	13	6.1	0
30/10/2022 19:50	3.3	210	18	4.8	0
30/10/2022 20:00	4	208	16	5.6	0
30/10/2022 20:10	3.9	207	14	5.6	0
30/10/2022 20:20	3.5	210	17	5.2	0
30/10/2022 20:30	3.9	211	15	5.5	0
30/10/2022 20:40	4.3	214	16	5.9	0
30/10/2022 20:50	4.6	209	14	6.7	0
30/10/2022 21:00	4.6	209	17	6.9	0
30/10/2022 21:10	4.5	207	17	6.4	0
30/10/2022 21:20	4.8	209	15	7	0
30/10/2022 21:30	4.6	208	14	6.7	0
30/10/2022 21:40	4.7	208	15	7	0
30/10/2022 21:50	4.6	212	14	6.7	0
30/10/2022 22:00	4.4	211	14	6.8	0
30/10/2022 22:10	4.4	215	14	6.5	0
30/10/2022 22:20	5	211	16	7.2	0
30/10/2022 22:30	5.2	208	16	7.2	0
30/10/2022 22:40	5.1	207	15	7.2	0
30/10/2022 22:50	4.6	210	17	7	0
30/10/2022 23:00	4.7	208	15	6.7	0
30/10/2022 23:10	4.8	206	15	6.9	0
30/10/2022 23:20	4.8	211	12	6.8	0
30/10/2022 23:30	4.7	209	13	7	0
30/10/2022 23:40	4.8	207	15	7.4	0
30/10/2022 23:50	4.4	206	16	6.5	0
31/10/2022 00:00	4.2	207	15	6.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/10/2022 00:10	3.9	209	15	5.6	0
31/10/2022 00:20	4.1	207	17	5.9	0
31/10/2022 00:30	4.4	209	17	6.4	0
31/10/2022 00:40	4.2	207	17	6	0
31/10/2022 00:50	3.8	211	16	6	0
31/10/2022 01:00	4.1	209	17	5.8	0
31/10/2022 01:10	4.1	209	17	6.4	0
31/10/2022 01:20	4.4	207	14	6.1	0
31/10/2022 01:30	4.3	210	14	6	0
31/10/2022 01:40	4	212	14	6.3	0
31/10/2022 01:50	3.4	213	22	5	0
31/10/2022 02:00	3.2	211	19	4.9	0
31/10/2022 02:10	2.5	217	23	4.3	0
31/10/2022 02:20	3.1	216	21	4.6	0
31/10/2022 02:30	3.1	216	20	4.6	0
31/10/2022 02:40	3	214	21	4.6	0
31/10/2022 02:50	3	211	15	4.4	0
31/10/2022 03:00	2.9	210	21	4.9	0
31/10/2022 03:10	2.8	208	21	4.1	0
31/10/2022 03:20	2.5	211	24	4.4	0
31/10/2022 03:30	1.9	211	38	4	0
31/10/2022 03:40	1.6	188	69	2.8	0
31/10/2022 03:50	1.6	214	57	3.1	0
31/10/2022 04:00	1.3	181	69	3	0
31/10/2022 04:10	2.6	204	21	4	0
31/10/2022 04:20	2.5	199	21	4	0
31/10/2022 04:30	1.8	204	43	2.9	0
31/10/2022 04:40	1.4	171	55	3.1	0
31/10/2022 04:50	1.3	67	58	2.3	0
31/10/2022 05:00	1.5	157	46	2.8	0
31/10/2022 05:10	1.8	154	35	3.5	0
31/10/2022 05:20	2.3	147	38	4.1	0
31/10/2022 05:30	2.5	143	39	5.1	0
31/10/2022 05:40	3.7	124	30	6.2	0
31/10/2022 05:50	4	118	17	6.6	0
31/10/2022 06:00	4.7	124	18	7.6	0
31/10/2022 06:10	4.1	122	22	6.2	0
31/10/2022 06:20	3.7	120	22	5.6	0
31/10/2022 06:30	3.4	120	18	5.7	0
31/10/2022 06:40	3.5	127	22	5.8	0
31/10/2022 06:50	4.8	127	21	7.9	0
31/10/2022 07:00	5.1	128	23	8.4	0
31/10/2022 07:10	4.3	128	23	7.7	0
31/10/2022 07:20	6.4	133	27	10.3	0
31/10/2022 07:30	4.8	126	21	8.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/10/2022 07:40	5	135	21	7.5	0
31/10/2022 07:50	4.4	125	26	7.5	0
31/10/2022 08:00	3.7	114	36	7.8	0
31/10/2022 08:10	4.7	107	30	7.6	0
31/10/2022 08:20	3.9	110	31	7.2	0
31/10/2022 08:30	4.4	120	32	8.3	0
31/10/2022 08:40	3.9	109	30	7.1	0
31/10/2022 08:50	4.9	112	29	8.5	0
31/10/2022 09:00	4	120	30	7	0
31/10/2022 09:10	3.9	119	31	6.9	0
31/10/2022 09:20	3.5	113	30	6	0
31/10/2022 09:30	3.7	126	31	6.4	0
31/10/2022 09:40	4	120	27	6.8	0
31/10/2022 09:50	4.2	112	25	7.5	0
31/10/2022 10:00	4	113	22	6.5	0
31/10/2022 10:10	3.7	103	25	6.6	0
31/10/2022 10:20	3.7	97	24	6.4	0
31/10/2022 10:30	3.5	98	29	5.6	0
31/10/2022 10:40	3.4	99	27	6.1	0
31/10/2022 10:50	3.6	111	23	6	0
31/10/2022 11:00	3.3	100	27	5.4	0
31/10/2022 11:10	3.2	98	27	5.3	0
31/10/2022 11:20	3.1	100	24	4.8	0
31/10/2022 11:30	4.1	79	15	5.6	0
31/10/2022 11:40	3.1	91	22	4.8	0
31/10/2022 11:50	4.1	80	18	6.1	0
31/10/2022 12:00	3.4	91	20	5.1	0
31/10/2022 12:10	3.3	91	22	5.2	0
31/10/2022 12:20	4.3	79	16	6	0
31/10/2022 12:30	4.4	69	15	5.7	0
31/10/2022 12:40	4	47	15	6.2	0
31/10/2022 12:50	4.6	42	13	6.1	0
31/10/2022 13:00	4	40	13	5.1	0
31/10/2022 13:10	3.9	40	13	5.8	0
31/10/2022 13:20	4.1	46	15	5.5	0
31/10/2022 13:30	4.2	45	11	5.5	0
31/10/2022 13:40	4.4	41	11	5.6	0
31/10/2022 13:50	3.9	48	11	5.3	0
31/10/2022 14:00	4.1	45	11	5.5	0
31/10/2022 14:10	4.2	45	12	5.7	0
31/10/2022 14:20	4.3	42	12	6.3	0
31/10/2022 14:30	4.1	45	14	5.6	0
31/10/2022 14:40	3.9	44	14	5.5	0
31/10/2022 14:50	4.3	39	15	5.7	0
31/10/2022 15:00	4.3	44	11	5.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/10/2022 15:10	4	42	11	5.2	0
31/10/2022 15:20	4.2	45	10	5.5	0
31/10/2022 15:30	3.5	50	13	4.8	0
31/10/2022 15:40	3.4	43	16	4.9	0
31/10/2022 15:50	3.8	43	12	5.2	0
31/10/2022 16:00	3.6	46	13	5.1	0
31/10/2022 16:10	3.1	41	15	4.4	0
31/10/2022 16:20	2.5	181	32	4	0
31/10/2022 16:30	3	292	33	4.8	0
31/10/2022 16:40	2.8	278	22	4.6	0
31/10/2022 16:50	3.6	274	21	5.6	0
31/10/2022 17:00	3.8	282	24	6.3	0
31/10/2022 17:10	3.4	279	27	6	0
31/10/2022 17:20	3	263	24	5.1	0
31/10/2022 17:30	2.9	274	23	5.2	0
31/10/2022 17:40	2.9	263	24	4.8	0
31/10/2022 17:50	3.2	272	24	4.8	0
31/10/2022 18:00	3	269	19	4.4	0
31/10/2022 18:10	2.8	265	24	4.2	0
31/10/2022 18:20	2.9	275	17	4.4	0
31/10/2022 18:30	2.6	274	22	3.8	0
31/10/2022 18:40	2.6	269	21	4.2	0
31/10/2022 18:50	2.9	268	21	4.5	0
31/10/2022 19:00	2.8	264	21	4.3	0
31/10/2022 19:10	2.6	272	22	4.4	0
31/10/2022 19:20	2.7	273	17	4.1	0
31/10/2022 19:30	2.5	272	20	4.3	0
31/10/2022 19:40	2.5	269	21	3.9	0
31/10/2022 19:50	2.5	269	17	3.9	0
31/10/2022 20:00	2.5	277	15	3.7	0
31/10/2022 20:10	2	261	36	3.4	0
31/10/2022 20:20	2.7	269	17	4.1	0
31/10/2022 20:30	2.3	276	18	3.4	0
31/10/2022 20:40	1.8	269	32	2.8	0
31/10/2022 20:50	1.7	264	35	2.8	0
31/10/2022 21:00	1.5	241	52	2.8	0
31/10/2022 21:10	1.5	209	27	2.8	0
31/10/2022 21:20	1.7	199	22	2.8	0
31/10/2022 21:30	1.9	202	17	3	0
31/10/2022 21:40	1.8	194	16	2.8	0
31/10/2022 21:50	1.8	214	28	2.7	0
31/10/2022 22:00	2.2	205	16	3.6	0
31/10/2022 22:10	2.4	206	15	3.2	0
31/10/2022 22:20	2.9	204	14	4.2	0
31/10/2022 22:30	3.6	200	12	5.3	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/10/2022 22:40	2.5	162	29	4.4	0
31/10/2022 22:50	2.9	195	19	4.3	0
31/10/2022 23:00	3.5	200	10	4.6	0
31/10/2022 23:10	2.4	195	19	3.7	0
31/10/2022 23:20	2.2	187	15	3.6	0
31/10/2022 23:30	2.9	195	11	4.3	0
31/10/2022 23:40	2.9	195	12	4	0
31/10/2022 23:50	3	197	9	4	0
01/11/2022 00:00	3.1	190	10	4.1	0
01/11/2022 00:10	3.3	191	9	4.4	0
01/11/2022 00:20	3.6	194	8	4.6	0
01/11/2022 00:30	3.2	197	9	4	0
01/11/2022 00:40	3	196	10	3.9	0
01/11/2022 00:50	2.8	186	14	4.2	0
01/11/2022 01:00	2.9	178	14	3.9	0
01/11/2022 01:10	2.3	174	15	3.2	0
01/11/2022 01:20	1.7	160	18	2.7	0
01/11/2022 01:30	1.8	137	33	3.3	0
01/11/2022 01:40	2.7	120	21	4.2	0
01/11/2022 01:50	2.7	121	16	4	0
01/11/2022 02:00	2.6	121	17	3.7	0
01/11/2022 02:10	1.6	110	20	2.4	0
01/11/2022 02:20	1.7	92	19	3.5	0
01/11/2022 02:30	3	93	17	4.8	0
01/11/2022 02:40	2.9	86	16	4.7	0
01/11/2022 02:50	3.6	86	13	5.1	0
01/11/2022 03:00	3.1	91	16	5.2	0
01/11/2022 03:10	3.5	91	18	5.3	0
01/11/2022 03:20	3.4	88	19	5.9	0
01/11/2022 03:30	3.4	110	22	5.5	0
01/11/2022 03:40	3.6	90	22	6	0
01/11/2022 03:50	3.5	97	24	6.7	0
01/11/2022 04:00	3.8	100	24	6.4	0
01/11/2022 04:10	4.2	119	25	7.5	0
01/11/2022 04:20	4	117	23	6.5	0
01/11/2022 04:30	4.7	119	23	8.1	0
01/11/2022 04:40	4.2	115	23	7.1	0
01/11/2022 04:50	3.7	115	26	6.7	0
01/11/2022 05:00	3.4	110	25	5.8	0
01/11/2022 05:10	4.3	107	23	7.2	0
01/11/2022 05:20	3.9	113	24	6.4	0
01/11/2022 05:30	3.5	103	28	6.4	0
01/11/2022 05:40	4.4	114	24	7.4	0
01/11/2022 05:50	4.1	106	23	7.2	0
01/11/2022 06:00	4.2	115	22	7.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/11/2022 06:10	4.2	121	24	7.7	0
01/11/2022 06:20	4.4	119	27	7.1	0
01/11/2022 06:30	4	115	23	6.3	0
01/11/2022 06:40	4.3	111	24	7.2	0
01/11/2022 06:50	4.2	118	23	7.1	0
01/11/2022 07:00	4	107	24	7.2	0
01/11/2022 07:10	4.3	109	25	7.2	0
01/11/2022 07:20	4.7	101	27	8.1	0
01/11/2022 07:30	4.6	97	22	7.7	0
01/11/2022 07:40	4.4	103	22	7.3	0
01/11/2022 07:50	5	95	21	8	0
01/11/2022 08:00	4.3	97	21	7.7	0
01/11/2022 08:10	4.9	93	21	7.8	0
01/11/2022 08:20	5.7	87	16	8.3	0
01/11/2022 08:30	5.8	82	15	8.4	0
01/11/2022 08:40	5.7	84	14	8.8	0
01/11/2022 08:50	6	85	15	7.8	0
01/11/2022 09:00	6.4	82	12	8.8	0
01/11/2022 09:10	6.5	83	14	9.5	0
01/11/2022 09:20	5.8	84	15	8.6	0
01/11/2022 09:30	5.8	87	14	8.1	0
01/11/2022 09:40	5.9	84	14	8.3	0
01/11/2022 09:50	5.9	84	12	8.1	0
01/11/2022 10:00	5.7	85	14	8.1	0
01/11/2022 10:10	4.9	74	15	7.1	0
01/11/2022 10:20	5	72	15	7	0
01/11/2022 10:30	4.9	67	16	7	0
01/11/2022 10:40	5	70	14	7.2	0
01/11/2022 10:50	5.2	65	13	8.3	0
01/11/2022 11:00	4.9	61	13	7.2	0
01/11/2022 11:10	5.7	59	13	8.2	0
01/11/2022 11:20	5.4	59	13	7.9	0
01/11/2022 11:30	6.4	56	10	8.5	0
01/11/2022 11:40	5.9	57	11	7.9	0
01/11/2022 11:50	5.3	51	14	7.3	0
01/11/2022 12:00	4.9	50	14	6.8	0
01/11/2022 12:10	5	51	12	6.9	0
01/11/2022 12:20	5.1	50	12	7.1	0
01/11/2022 12:30	5	43	13	7.2	0
01/11/2022 12:40	5.2	41	13	7.4	0
01/11/2022 12:50	5.2	42	14	6.8	0
01/11/2022 13:00	5	37	14	6.8	0
01/11/2022 13:10	5.2	32	13	6.9	0
01/11/2022 13:20	5.1	40	12	6.6	0
01/11/2022 13:30	4.7	39	16	6.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/11/2022 13:40	4.7	36	14	6.5	0
01/11/2022 13:50	4.7	37	15	6.3	0
01/11/2022 14:00	4.7	40	14	6.5	0
01/11/2022 14:10	4.3	40	13	5.8	0
01/11/2022 14:20	4.5	42	14	6.3	0
01/11/2022 14:30	4.6	37	15	6	0
01/11/2022 14:40	4.4	38	12	6	0
01/11/2022 14:50	4.3	43	13	6	0
01/11/2022 15:00	4.2	44	13	6	0
01/11/2022 15:10	3.8	45	15	5	0
01/11/2022 15:20	4.1	48	12	5.4	0
01/11/2022 15:30	3.7	48	14	5.2	0
01/11/2022 15:40	3.8	46	13	5.3	0
01/11/2022 15:50	3.7	48	13	5.4	0
01/11/2022 16:00	3.1	41	14	4.4	0
01/11/2022 16:10	3.1	40	15	4.2	0
01/11/2022 16:20	3.3	188	22	5.1	0
01/11/2022 16:30	4.3	341	15	6.1	0
01/11/2022 16:40	4.6	339	12	5.6	0
01/11/2022 16:50	4.3	339	15	5.7	0
01/11/2022 17:00	4.3	336	11	6	0
01/11/2022 17:10	4.3	346	14	5.9	0
01/11/2022 17:20	4.5	348	17	6.2	0
01/11/2022 17:30	4.3	346	13	6	0
01/11/2022 17:40	4.6	350	14	6.2	0
01/11/2022 17:50	3.6	333	12	5	0
01/11/2022 18:00	3.4	331	14	4.6	0
01/11/2022 18:10	3.1	336	14	4.6	0
01/11/2022 18:20	2.4	325	16	3.6	0
01/11/2022 18:30	2.7	315	17	4	0
01/11/2022 18:40	3	291	23	4.8	0
01/11/2022 18:50	2.9	298	20	4.2	0
01/11/2022 19:00	2.9	289	21	4.2	0
01/11/2022 19:10	2.4	274	27	4.1	0
01/11/2022 19:20	2.8	282	21	4.1	0
01/11/2022 19:30	2.5	274	23	4.1	0
01/11/2022 19:40	2.7	270	21	4.3	0
01/11/2022 19:50	2.7	266	23	4	0
01/11/2022 20:00	2.6	264	23	4.4	0
01/11/2022 20:10	2.6	261	27	4.2	0
01/11/2022 20:20	2.7	269	24	4.4	0
01/11/2022 20:30	2.3	270	31	4.6	0
01/11/2022 20:40	2.4	275	16	3.8	0
01/11/2022 20:50	2.7	270	22	4.2	0
01/11/2022 21:00	2.3	274	23	3.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/11/2022 21:10	2.1	272	24	3.8	0
01/11/2022 21:20	2	265	41	3.6	0
01/11/2022 21:30	1.4	218	55	2.8	0
01/11/2022 21:40	1.7	248	52	3.1	0
01/11/2022 21:50	1.5	245	51	2.7	0
01/11/2022 22:00	1.3	238	70	2.4	0
01/11/2022 22:10	1.4	200	61	2.4	0
01/11/2022 22:20	1.4	202	43	2.4	0
01/11/2022 22:30	1.2	219	52	2.2	0
01/11/2022 22:40	1.3	205	73	2.5	0
01/11/2022 22:50	1.2	210	69	2.3	0
01/11/2022 23:00	1.4	217	66	2.8	0
01/11/2022 23:10	1.3	231	75	2.7	0
01/11/2022 23:20	1.7	236	51	3.1	0
01/11/2022 23:30	1.7	193	39	2.9	0
01/11/2022 23:40	1.9	208	41	3.5	0
01/11/2022 23:50	1.8	221	44	3.9	0
02/11/2022 00:00	1.8	184	43	2.9	0
02/11/2022 00:10	1.8	189	50	3.6	0
02/11/2022 00:20	1.9	219	46	3.6	0
02/11/2022 00:30	2	204	35	4	0
02/11/2022 00:40	1.7	201	60	3.8	0
02/11/2022 00:50	1.8	206	49	2.9	0
02/11/2022 01:00	2	194	32	3.7	0
02/11/2022 01:10	1.2	187	76	2.8	0
02/11/2022 01:20	1.7	199	43	2.8	0
02/11/2022 01:30	2.2	194	25	3.7	0
02/11/2022 01:40	2.2	193	23	3.8	0
02/11/2022 01:50	2	193	22	3.2	0
02/11/2022 02:00	2	200	26	3.7	0
02/11/2022 02:10	2.2	194	28	3.3	0
02/11/2022 02:20	3	194	20	4.7	0
02/11/2022 02:30	3	191	17	4.3	0
02/11/2022 02:40	2.9	190	17	4.4	0
02/11/2022 02:50	2.7	192	19	4.2	0
02/11/2022 03:00	2.5	188	17	3.7	0
02/11/2022 03:10	2.8	193	14	4.5	0
02/11/2022 03:20	2.8	198	16	4.4	0
02/11/2022 03:30	2.7	197	13	4	0
02/11/2022 03:40	2.4	203	21	3.4	0
02/11/2022 03:50	2.2	199	17	2.9	0
02/11/2022 04:00	1.9	203	14	3.1	0
02/11/2022 04:10	1.6	192	24	2.8	0
02/11/2022 04:20	1.4	198	24	2.3	0
02/11/2022 04:30	1.2	200	24	1.9	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/11/2022 04:40	1.7	201	14	2.8	0
02/11/2022 04:50	1.1	172	13	1.6	0
02/11/2022 05:00	0.6	200	26	1.1	0
02/11/2022 05:10	1.1	188	23	2	0
02/11/2022 05:20	1.5	205	15	2.4	0
02/11/2022 05:30	1.5	211	19	2.7	0
02/11/2022 05:40	1.9	210	18	3	0
02/11/2022 05:50	2.1	194	20	3.3	0
02/11/2022 06:00	2.3	195	17	3.8	0
02/11/2022 06:10	1.8	194	16	2.9	0
02/11/2022 06:20	1.1	169	48	2.3	0
02/11/2022 06:30	1.3	177	36	2.8	0
02/11/2022 06:40	1.5	182	34	2.7	0
02/11/2022 06:50	2.2	193	20	3.2	0
02/11/2022 07:00	2.1	187	19	3.2	0
02/11/2022 07:10	2.3	193	21	3.4	0
02/11/2022 07:20	2.3	192	26	4.2	0
02/11/2022 07:30	2.1	170	36	3.9	0
02/11/2022 07:40	1.8	154	34	3.4	0
02/11/2022 07:50	2.3	159	31	3.9	0
02/11/2022 08:00	2.4	152	24	3.7	0
02/11/2022 08:10	2.9	145	17	4.2	0
02/11/2022 08:20	2.6	133	24	4	0
02/11/2022 08:30	2.8	116	23	4.1	0
02/11/2022 08:40	2.3	113	25	3.4	0
02/11/2022 08:50	1.8	117	36	3	0
02/11/2022 09:00	2	121	20	3.4	0
02/11/2022 09:10	2.3	91	26	4	0
02/11/2022 09:20	2.3	78	20	3.3	0
02/11/2022 09:30	2.7	53	11	3.5	0
02/11/2022 09:40	2.4	55	21	3.2	0
02/11/2022 09:50	2.5	55	14	3.2	0
02/11/2022 10:00	2.8	61	12	3.6	0
02/11/2022 10:10	3.1	60	13	4	0
02/11/2022 10:20	3.1	56	13	4.2	0
02/11/2022 10:30	3.3	53	16	4.1	0
02/11/2022 10:40	3.4	41	16	4.7	0
02/11/2022 10:50	4.4	56	10	5.8	0
02/11/2022 11:00	4.8	56	9	6.5	0
02/11/2022 11:10	4.5	58	13	6.4	0
02/11/2022 11:20	4.4	52	13	5.6	0
02/11/2022 11:30	3.9	49	14	5.9	0
02/11/2022 11:40	4.4	43	12	5.9	0
02/11/2022 11:50	4.5	38	13	5.9	0
02/11/2022 12:00	4.6	40	14	6.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/11/2022 12:10	4.9	42	12	6.4	0
02/11/2022 12:20	4.9	37	12	6.3	0
02/11/2022 12:30	4.9	36	15	6.5	0
02/11/2022 12:40	4.7	43	16	6.3	0
02/11/2022 12:50	5.1	38	12	6.7	0
02/11/2022 13:00	4.9	38	13	6.8	0
02/11/2022 13:10	4.8	40	13	6.1	0
02/11/2022 13:20	4.6	42	14	6.5	0
02/11/2022 13:30	4.5	43	14	6.3	0
02/11/2022 13:40	4.6	45	13	6.2	0
02/11/2022 13:50	4.8	45	12	6.4	0
02/11/2022 14:00	4.4	44	11	6	0
02/11/2022 14:10	4.3	41	14	6.3	0
02/11/2022 14:20	4.9	44	11	6.2	0
02/11/2022 14:30	4.5	45	13	6.2	0
02/11/2022 14:40	4.4	46	12	6	0
02/11/2022 14:50	4.1	47	14	5.5	0
02/11/2022 15:00	4.4	49	12	6.3	0
02/11/2022 15:10	4	45	13	5.8	0
02/11/2022 15:20	4.1	42	14	5.7	0
02/11/2022 15:30	3.9	26	21	5.6	0
02/11/2022 15:40	4.9	342	11	6.7	0
02/11/2022 15:50	4.4	338	13	6.4	0
02/11/2022 16:00	4.7	337	13	6.4	0
02/11/2022 16:10	4.2	338	14	5.8	0
02/11/2022 16:20	4.5	340	11	6	0
02/11/2022 16:30	4	341	15	5.6	0
02/11/2022 16:40	3.7	335	13	5.4	0
02/11/2022 16:50	3.7	335	14	5.6	0
02/11/2022 17:00	3.8	337	12	5.3	0
02/11/2022 17:10	4	351	16	5.2	0
02/11/2022 17:20	3.4	347	16	4.7	0
02/11/2022 17:30	3.5	345	14	5.1	0
02/11/2022 17:40	3.6	338	11	5.3	0
02/11/2022 17:50	3.3	337	17	4.8	0
02/11/2022 18:00	3	332	12	4.5	0
02/11/2022 18:10	2.6	331	14	4	0
02/11/2022 18:20	2.3	315	16	3.7	0
02/11/2022 18:30	2.6	303	14	3.8	0
02/11/2022 18:40	2.2	292	20	3.1	0
02/11/2022 18:50	2	281	24	3.4	0
02/11/2022 19:00	2.3	272	21	3.5	0
02/11/2022 19:10	2.3	258	24	4	0
02/11/2022 19:20	2.2	260	23	3.4	0
02/11/2022 19:30	2.3	267	20	3.6	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/11/2022 19:40	2.2	258	23	3.6	0
02/11/2022 19:50	1.9	254	26	3.3	0
02/11/2022 20:00	1.9	260	36	3.3	0
02/11/2022 20:10	1.7	245	34	3.3	0
02/11/2022 20:20	2.1	253	26	3.2	0
02/11/2022 20:30	1.5	235	39	3.2	0
02/11/2022 20:40	1.7	240	37	2.6	0
02/11/2022 20:50	1.3	246	55	2.5	0
02/11/2022 21:00	1.6	207	35	3.1	0
02/11/2022 21:10	1.6	211	32	2.7	0
02/11/2022 21:20	1.8	213	39	3.2	0
02/11/2022 21:30	2	204	24	3.5	0
02/11/2022 21:40	3	199	18	4.6	0
02/11/2022 21:50	3	199	18	4.8	0
02/11/2022 22:00	3.1	204	22	4.5	0
02/11/2022 22:10	2.8	202	22	4.4	0
02/11/2022 22:20	2.4	202	22	4.3	0
02/11/2022 22:30	2.3	201	25	3.6	0
02/11/2022 22:40	2	207	29	3.2	0
02/11/2022 22:50	1.9	207	36	3.3	0
02/11/2022 23:00	2	199	25	3.2	0
02/11/2022 23:10	2.1	210	32	3.5	0
02/11/2022 23:20	1.6	212	42	3.2	0
02/11/2022 23:30	1.7	199	25	2.8	0
02/11/2022 23:40	2	209	29	3.3	0
02/11/2022 23:50	3.1	199	23	5.1	0
03/11/2022 00:00	3.2	197	17	5.1	0
03/11/2022 00:10	3.6	198	15	5	0
03/11/2022 00:20	3.9	195	13	5.2	0
03/11/2022 00:30	3.9	197	15	5.3	0
03/11/2022 00:40	3.5	205	17	4.9	0
03/11/2022 00:50	3.1	203	14	4.4	0
03/11/2022 01:00	3.7	195	12	5.3	0
03/11/2022 01:10	3.8	195	11	5.7	0
03/11/2022 01:20	3.7	195	11	5.3	0
03/11/2022 01:30	2.8	198	13	3.9	0
03/11/2022 01:40	3.1	194	12	4	0
03/11/2022 01:50	3.2	194	11	4.8	0
03/11/2022 02:00	2.9	196	12	4	0
03/11/2022 02:10	3.1	194	12	4.1	0
03/11/2022 02:20	3.3	195	9	4.5	0
03/11/2022 02:30	3	200	11	4.3	0
03/11/2022 02:40	2.6	195	16	4	0
03/11/2022 02:50	2.3	202	17	3.7	0
03/11/2022 03:00	1.8	214	42	3.2	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/11/2022 03:10	2.2	205	29	3.8	0
03/11/2022 03:20	2.7	198	16	4.3	0
03/11/2022 03:30	3.9	192	12	5.3	0
03/11/2022 03:40	3.9	192	10	5.1	0
03/11/2022 03:50	3.1	193	13	4.5	0
03/11/2022 04:00	2.8	201	15	4.5	0
03/11/2022 04:10	2.6	199	13	3.9	0
03/11/2022 04:20	3.2	197	15	4.7	0
03/11/2022 04:30	3.3	191	14	4.5	0
03/11/2022 04:40	4	189	13	6.3	0
03/11/2022 04:50	4.3	192	11	5.5	0
03/11/2022 05:00	4.1	190	10	5.5	0
03/11/2022 05:10	3.6	185	11	4.9	0
03/11/2022 05:20	3.8	188	11	5.2	0
03/11/2022 05:30	3.8	190	10	4.9	0
03/11/2022 05:40	3.8	190	11	4.9	0
03/11/2022 05:50	4.1	195	9	5.3	0
03/11/2022 06:00	4.3	195	10	5.6	0
03/11/2022 06:10	4.3	194	10	5.7	0
03/11/2022 06:20	4.4	196	10	6	0
03/11/2022 06:30	3.7	194	13	5.2	0
03/11/2022 06:40	2.6	176	24	4.7	0
03/11/2022 06:50	3.2	139	23	5.5	0
03/11/2022 07:00	3	139	21	4.8	0
03/11/2022 07:10	2.5	136	32	4.7	0
03/11/2022 07:20	2.9	107	25	6.4	0
03/11/2022 07:30	3.4	105	25	5.8	0
03/11/2022 07:40	3.4	123	27	6	0
03/11/2022 07:50	3.7	119	17	5.2	0
03/11/2022 08:00	3.7	123	16	5.3	0
03/11/2022 08:10	3.6	124	19	5.7	0
03/11/2022 08:20	2.9	109	23	4.1	0
03/11/2022 08:30	4.1	86	15	5.6	0
03/11/2022 08:40	4	86	14	5.7	0
03/11/2022 08:50	5.1	88	16	7.5	0
03/11/2022 09:00	5.7	89	13	8.3	0
03/11/2022 09:10	5.4	90	14	7.6	0
03/11/2022 09:20	5.3	89	15	7.9	0
03/11/2022 09:30	5.2	86	16	7.8	0
03/11/2022 09:40	4.7	77	14	6.4	0
03/11/2022 09:50	3.9	74	14	5.7	0
03/11/2022 10:00	3.6	67	14	5.2	0
03/11/2022 10:10	4.5	57	12	6.2	0
03/11/2022 10:20	4.8	59	9	6.4	0
03/11/2022 10:30	4.3	59	11	5.8	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/11/2022 10:40	4	51	14	5.4	0
03/11/2022 10:50	4	49	13	5.7	0
03/11/2022 11:00	3.9	50	13	5.3	0
03/11/2022 11:10	3.7	43	14	5.2	0
03/11/2022 11:20	4.3	41	11	5.5	0
03/11/2022 11:30	4.3	40	12	5.4	0
03/11/2022 11:40	4.4	42	14	5.9	0
03/11/2022 11:50	4.2	47	14	6	0
03/11/2022 12:00	4.6	39	12	6	0
03/11/2022 12:10	5	40	13	6.2	0
03/11/2022 12:20	4.4	42	13	6	0
03/11/2022 12:30	4.5	44	11	5.6	0
03/11/2022 12:40	4.2	43	13	5.8	0
03/11/2022 12:50	4.2	44	13	5.4	0
03/11/2022 13:00	4.2	46	12	5.6	0
03/11/2022 13:10	4	44	13	5.6	0
03/11/2022 13:20	4.4	44	11	5.8	0
03/11/2022 13:30	4.3	43	15	5.8	0
03/11/2022 13:40	4.4	51	12	6.1	0
03/11/2022 13:50	4.1	50	13	5.4	0
03/11/2022 14:00	3.8	52	15	5	0
03/11/2022 14:10	4	44	14	5.8	0
03/11/2022 14:20	4.3	10	19	6.8	0
03/11/2022 14:30	4.4	181	17	6.2	0
03/11/2022 14:40	4.4	345	16	6.2	0
03/11/2022 14:50	4.4	335	14	5.7	0
03/11/2022 15:00	4.2	333	14	5.8	0
03/11/2022 15:10	4.2	337	19	5.7	0
03/11/2022 15:20	3.9	341	14	5.2	0
03/11/2022 15:30	4.3	342	13	6	0
03/11/2022 15:40	4.4	340	18	6.3	0
03/11/2022 15:50	4.2	345	18	5.6	0
03/11/2022 16:00	3.8	340	13	5.2	0
03/11/2022 16:10	3.5	333	19	5	0
03/11/2022 16:20	3.6	323	18	4.7	0
03/11/2022 16:30	3.7	340	19	5.4	0
03/11/2022 16:40	4.8	345	13	6.3	0
03/11/2022 16:50	4.7	337	13	6.3	0
03/11/2022 17:00	4.5	339	15	6.2	0
03/11/2022 17:10	4.2	328	16	6.3	0
03/11/2022 17:20	4.8	337	12	7.2	0
03/11/2022 17:30	4.7	342	12	6.8	0
03/11/2022 17:40	3.1	324	18	4.7	0
03/11/2022 17:50	3.9	334	12	5.2	0
03/11/2022 18:00	3.1	331	14	4.2	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/11/2022 18:10	2.9	325	17	4	0
03/11/2022 18:20	1.9	306	28	3.5	0
03/11/2022 18:30	2.4	284	19	3.6	0
03/11/2022 18:40	3.1	262	17	4.5	0
03/11/2022 18:50	2.9	274	20	4.6	0
03/11/2022 19:00	2.9	277	18	4.6	0
03/11/2022 19:10	2.9	281	17	4.3	0
03/11/2022 19:20	3	278	19	4.5	0
03/11/2022 19:30	3.3	265	19	4.8	0
03/11/2022 19:40	3.6	263	20	5.5	0
03/11/2022 19:50	2.8	262	25	4.2	0
03/11/2022 20:00	2.5	266	24	3.8	0
03/11/2022 20:10	1.6	259	54	3.1	0
03/11/2022 20:20	1.4	257	59	2.8	0
03/11/2022 20:30	1.6	230	40	2.7	0
03/11/2022 20:40	1.9	191	24	3.2	0
03/11/2022 20:50	1.5	230	43	3.2	0
03/11/2022 21:00	1.3	205	45	3	0
03/11/2022 21:10	2.4	201	20	3.6	0
03/11/2022 21:20	2	208	36	4.3	0
03/11/2022 21:30	2	209	29	3.8	0
03/11/2022 21:40	1.9	207	29	4	0
03/11/2022 21:50	2.3	208	29	3.9	0
03/11/2022 22:00	1.6	209	33	3.5	0
03/11/2022 22:10	1.2	234	49	2.2	0
03/11/2022 22:20	1.5	214	54	2.7	0
03/11/2022 22:30	2	216	40	3.7	0
03/11/2022 22:40	2.4	202	33	4.1	0
03/11/2022 22:50	2.7	197	18	4.3	0
03/11/2022 23:00	3.3	199	15	4.8	0
03/11/2022 23:10	3.8	195	14	5.8	0
03/11/2022 23:20	3.6	193	11	5	0
03/11/2022 23:30	4.3	191	12	6	0
03/11/2022 23:40	4.2	194	11	5.8	0
03/11/2022 23:50	4.2	193	13	5.8	0
04/11/2022 00:00	4.6	191	12	6.7	0
04/11/2022 00:10	3.6	197	12	5.3	0
04/11/2022 00:20	3.4	192	13	5	0
04/11/2022 00:30	3.3	194	12	5.1	0
04/11/2022 00:40	3.5	194	12	5	0
04/11/2022 00:50	4.4	195	10	6	0
04/11/2022 01:00	4.3	193	12	5.8	0
04/11/2022 01:10	4	191	11	6	0
04/11/2022 01:20	4	191	10	5.7	0
04/11/2022 01:30	4	196	12	5.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/11/2022 01:40	4.1	193	12	5.9	0
04/11/2022 01:50	4	195	11	5.2	0
04/11/2022 02:00	3.7	202	14	5.2	0
04/11/2022 02:10	3.2	197	18	4.5	0
04/11/2022 02:20	4.1	194	16	5.8	0
04/11/2022 02:30	4.5	193	13	6.5	0
04/11/2022 02:40	3.7	193	12	5.5	0
04/11/2022 02:50	3.6	197	17	5.2	0
04/11/2022 03:00	3.4	207	16	4.8	0
04/11/2022 03:10	3.4	202	17	4.7	0
04/11/2022 03:20	4	193	13	5.9	0
04/11/2022 03:30	3.7	196	15	6	0
04/11/2022 03:40	4.6	191	12	6.4	0
04/11/2022 03:50	4	196	14	5.7	0
04/11/2022 04:00	2.6	195	26	5	0
04/11/2022 04:10	1.9	213	38	3.6	0
04/11/2022 04:20	1.2	295	48	2	0
04/11/2022 04:30	1.5	348	29	2.8	0
04/11/2022 04:40	1	171	17	1.8	0
04/11/2022 04:50	1.6	285	15	2.2	0
04/11/2022 05:00	1.7	283	12	2.4	0
04/11/2022 05:10	1.8	292	9	2.3	0
04/11/2022 05:20	2	294	7	2.5	0
04/11/2022 05:30	1.2	264	21	1.7	0
04/11/2022 05:40	1.7	282	18	2.5	0
04/11/2022 05:50	2	284	14	2.7	0
04/11/2022 06:00	2	288	10	2.6	0
04/11/2022 06:10	1.6	292	29	2.4	0
04/11/2022 06:20	1.1	221	63	2.5	0
04/11/2022 06:30	1.5	240	48	3	0
04/11/2022 06:40	1.4	233	37	2.6	0
04/11/2022 06:50	1.9	209	27	3.8	0
04/11/2022 07:00	2.1	210	25	3.5	0
04/11/2022 07:10	2	202	23	2.8	0
04/11/2022 07:20	2.5	206	23	4	0
04/11/2022 07:30	2.4	202	23	3.6	0
04/11/2022 07:40	2.4	213	28	4	0
04/11/2022 07:50	2.6	198	20	4.3	0
04/11/2022 08:00	2.3	185	21	3.7	0
04/11/2022 08:10	2.8	195	15	4.4	0
04/11/2022 08:20	2.3	206	17	3.4	0
04/11/2022 08:30	2.4	206	22	4	0
04/11/2022 08:40	2.9	187	12	3.8	0
04/11/2022 08:50	2.8	193	15	4.2	0
04/11/2022 09:00	2.6	208	19	4	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/11/2022 09:10	2.5	206	16	3.6	0
04/11/2022 09:20	2	216	17	3.1	0
04/11/2022 09:30	1.9	202	33	3	0
04/11/2022 09:40	1.6	215	51	2.9	0
04/11/2022 09:50	1.9	93	32	3.4	0
04/11/2022 10:00	1.4	163	40	2.3	0
04/11/2022 10:10	1.8	95	37	3.6	0
04/11/2022 10:20	2	45	21	3	0
04/11/2022 10:30	1.8	54	25	2.8	0
04/11/2022 10:40	2.1	56	21	2.9	0
04/11/2022 10:50	2.4	46	11	3.3	0
04/11/2022 11:00	2.6	48	19	3.6	0
04/11/2022 11:10	2.8	53	14	3.7	0
04/11/2022 11:20	3.8	41	12	4.8	0
04/11/2022 11:30	3.4	40	13	4.5	0
04/11/2022 11:40	3.5	45	14	4.4	0
04/11/2022 11:50	3.5	43	15	4.6	0
04/11/2022 12:00	3.5	46	14	4.7	0
04/11/2022 12:10	3	51	14	4	0
04/11/2022 12:20	3.4	52	12	4.4	0
04/11/2022 12:30	3.8	50	13	4.8	0
04/11/2022 12:40	3.7	51	11	4.8	0
04/11/2022 12:50	3.6	64	13	4.7	0
04/11/2022 13:00	3.7	66	12	4.6	0
04/11/2022 13:10	3.6	66	12	4.7	0
04/11/2022 13:20	3.6	65	11	4.7	0
04/11/2022 13:30	3.5	64	14	4.6	0
04/11/2022 13:40	3.6	52	13	4.9	0
04/11/2022 13:50	3.9	63	11	5.1	0
04/11/2022 14:00	3.6	65	12	5	0
04/11/2022 14:10	3.7	59	15	5.2	0
04/11/2022 14:20	3.7	59	14	5.2	0
04/11/2022 14:30	4	64	9	4.8	0
04/11/2022 14:40	3.3	58	13	4.3	0
04/11/2022 14:50	2.8	55	15	3.8	0
04/11/2022 15:00	2.5	186	25	3.8	0
04/11/2022 15:10	2.6	172	25	4.9	0
04/11/2022 15:20	3	177	26	4.5	0
04/11/2022 15:30	2.7	336	23	4.5	0
04/11/2022 15:40	2.9	338	21	4.5	0
04/11/2022 15:50	3.1	349	17	4.4	0
04/11/2022 16:00	2.8	346	18	4.5	0
04/11/2022 16:10	2.5	305	25	4.2	0
04/11/2022 16:20	2.8	275	20	3.9	0
04/11/2022 16:30	2.6	272	25	4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/11/2022 16:40	2.4	291	25	4	0
04/11/2022 16:50	2.3	277	25	3.5	0
04/11/2022 17:00	2.6	276	21	3.9	0
04/11/2022 17:10	2.3	279	25	4	0
04/11/2022 17:20	2.7	294	20	4	0
04/11/2022 17:30	2.6	287	21	3.9	0
04/11/2022 17:40	2.7	267	17	4	0
04/11/2022 17:50	2.8	258	14	3.9	0
04/11/2022 18:00	2.6	264	19	4	0
04/11/2022 18:10	2.5	264	15	3.6	0
04/11/2022 18:20	2.8	264	17	4.1	0
04/11/2022 18:30	2.6	269	18	3.6	0
04/11/2022 18:40	2.7	266	15	4	0
04/11/2022 18:50	2.3	266	22	3.3	0
04/11/2022 19:00	2.9	265	16	4.4	0
04/11/2022 19:10	3	270	18	4.7	0
04/11/2022 19:20	2.9	266	29	4.7	0
04/11/2022 19:30	2.8	274	30	4.5	0
04/11/2022 19:40	3.1	273	19	5.6	0
04/11/2022 19:50	2.5	279	18	4.4	0
04/11/2022 20:00	2.2	284	24	3.7	0
04/11/2022 20:10	2.6	280	22	4.3	0
04/11/2022 20:20	2.6	282	21	4.2	0
04/11/2022 20:30	2.8	276	26	4.4	0
04/11/2022 20:40	2.7	277	20	4.4	0
04/11/2022 20:50	2.6	280	23	4.6	0
04/11/2022 21:00	2.8	280	18	4	0
04/11/2022 21:10	3	278	17	4.4	0
04/11/2022 21:20	2.7	285	15	4.2	0
04/11/2022 21:30	2.4	280	17	3.8	0
04/11/2022 21:40	2.4	276	19	3.6	0
04/11/2022 21:50	2.5	276	28	4.1	0
04/11/2022 22:00	2	268	40	3.8	0
04/11/2022 22:10	2.6	276	27	4.7	0
04/11/2022 22:20	2.3	276	28	3.9	0
04/11/2022 22:30	2	276	32	3.6	0
04/11/2022 22:40	1.5	265	52	2.8	0
04/11/2022 22:50	2.3	274	30	4.3	0
04/11/2022 23:00	1.9	275	44	3.2	0
04/11/2022 23:10	2	278	31	3.3	0
04/11/2022 23:20	1.9	265	55	3.5	0
04/11/2022 23:30	2.3	260	39	4.4	0
04/11/2022 23:40	2.2	267	34	4	0
04/11/2022 23:50	2.3	263	38	4.8	0
05/11/2022 00:00	2	286	30	3.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/11/2022 00:10	1.7	279	47	3	0
05/11/2022 00:20	1.8	274	38	3.2	0
05/11/2022 00:30	2.1	266	36	4	0
05/11/2022 00:40	2.1	252	51	4.5	0
05/11/2022 00:50	1.7	215	61	3.6	0
05/11/2022 01:00	1.7	253	55	4.4	0
05/11/2022 01:10	1.8	254	56	3.6	0
05/11/2022 01:20	1.8	263	52	3.6	0
05/11/2022 01:30	2.1	264	43	4.2	0
05/11/2022 01:40	1.4	248	63	2.6	0
05/11/2022 01:50	1.2	273	63	2.5	0
05/11/2022 02:00	1.3	269	59	2.5	0
05/11/2022 02:10	1.8	283	36	3.3	0
05/11/2022 02:20	1.8	280	39	3.6	0
05/11/2022 02:30	1.5	282	47	3.2	0
05/11/2022 02:40	1.3	283	59	2.8	0
05/11/2022 02:50	2.1	278	23	3.4	0
05/11/2022 03:00	2.4	284	16	3.4	0
05/11/2022 03:10	2	285	19	3.4	0
05/11/2022 03:20	2	281	23	3.2	0
05/11/2022 03:30	1.8	294	20	2.7	0
05/11/2022 03:40	1.7	274	52	3.2	0
05/11/2022 03:50	2.2	282	20	3.6	0
05/11/2022 04:00	2.1	279	31	3.6	0
05/11/2022 04:10	1.7	279	27	2.9	0
05/11/2022 04:20	1.6	269	37	3	0
05/11/2022 04:30	0.9	274	42	2.1	0
05/11/2022 04:40	0.9	268	60	2.3	0
05/11/2022 04:50	1	247	37	2.4	0
05/11/2022 05:00	0.8	210	48	2	0
05/11/2022 05:10	0.6	191	65	1.4	0
05/11/2022 05:20	1	279	54	2.4	0
05/11/2022 05:30	1.6	286	44	3.3	0
05/11/2022 05:40	1.2	276	52	2.8	0
05/11/2022 05:50	1.5	259	43	2.9	0
05/11/2022 06:00	0.7	207	75	2	0
05/11/2022 06:10	1.8	266	31	3	0
05/11/2022 06:20	1.9	269	25	3.2	0
05/11/2022 06:30	2.2	266	21	3.1	0
05/11/2022 06:40	2.2	279	23	3.3	0
05/11/2022 06:50	2.2	268	27	3.2	0
05/11/2022 07:00	2.3	270	23	3.7	0
05/11/2022 07:10	2.4	269	16	3.6	0
05/11/2022 07:20	2.5	276	21	3.4	0
05/11/2022 07:30	2.6	260	18	3.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/11/2022 07:40	2.5	269	20	3.8	0
05/11/2022 07:50	2.4	271	20	3.7	0
05/11/2022 08:00	2.3	269	23	3.6	0
05/11/2022 08:10	2.7	270	20	4.3	0
05/11/2022 08:20	2.6	285	24	4.1	0
05/11/2022 08:30	2.9	277	20	4.1	0
05/11/2022 08:40	3	294	19	4.4	0
05/11/2022 08:50	3.4	291	18	4.8	0
05/11/2022 09:00	3.4	298	20	5.1	0
05/11/2022 09:10	3.1	289	19	5	0
05/11/2022 09:20	3.1	284	23	5	0
05/11/2022 09:30	3.2	272	20	4.7	0
05/11/2022 09:40	3.3	267	21	5	0
05/11/2022 09:50	3.3	259	21	5.2	0
05/11/2022 10:00	2.9	273	29	4.5	0
05/11/2022 10:10	3.2	267	19	4.5	0
05/11/2022 10:20	3.4	272	18	5.5	0
05/11/2022 10:30	3.2	262	23	5.1	0
05/11/2022 10:40	3.3	272	20	5.2	0
05/11/2022 10:50	3.6	270	21	5.4	0
05/11/2022 11:00	3.6	260	19	5.2	0
05/11/2022 11:10	3.5	288	24	5.5	0
05/11/2022 11:20	3.5	269	26	5.6	0
05/11/2022 11:30	3.3	275	23	5.2	0
05/11/2022 11:40	3.4	269	23	5.7	0
05/11/2022 11:50	3.2	299	25	5.1	0
05/11/2022 12:00	4.1	316	26	6.5	0
05/11/2022 12:10	3.9	307	27	6.4	0
05/11/2022 12:20	3.7	308	24	5.7	0
05/11/2022 12:30	4.2	320	19	7.1	0
05/11/2022 12:40	3.8	304	21	5.7	0
05/11/2022 12:50	3.6	297	25	5.4	0
05/11/2022 13:00	3.9	280	22	5.6	0
05/11/2022 13:10	4.5	282	20	7.9	0
05/11/2022 13:20	4.3	293	26	7	0
05/11/2022 13:30	4.3	284	23	7.2	0
05/11/2022 13:40	3.9	280	21	6.1	0
05/11/2022 13:50	4.6	294	22	6.7	0
05/11/2022 14:00	4.2	290	23	6.4	0
05/11/2022 14:10	4.5	281	23	6.9	0
05/11/2022 14:20	5.1	305	15	7.1	0
05/11/2022 14:30	4.9	313	21	7.3	0
05/11/2022 14:40	4.7	319	18	7.2	0
05/11/2022 14:50	4.9	316	19	7.6	0
05/11/2022 15:00	4.8	301	20	7.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/11/2022 15:10	4.5	308	21	6.8	0
05/11/2022 15:20	4.3	299	20	6.9	0
05/11/2022 15:30	4.1	305	24	6.9	0
05/11/2022 15:40	4.5	310	22	6.8	0
05/11/2022 15:50	4.9	315	19	7.3	0
05/11/2022 16:00	4.2	306	18	6.7	0
05/11/2022 16:10	4.9	304	17	7.2	0
05/11/2022 16:20	5	302	14	6.5	0
05/11/2022 16:30	5.2	303	13	7.4	0
05/11/2022 16:40	4.7	303	16	7.2	0
05/11/2022 16:50	5.5	306	14	7.8	0
05/11/2022 17:00	4.1	308	18	6.4	0
05/11/2022 17:10	3.9	307	19	5.8	0
05/11/2022 17:20	4.1	305	20	6.6	0
05/11/2022 17:30	4	308	23	6.4	0
05/11/2022 17:40	4.3	302	16	6.3	0
05/11/2022 17:50	4.2	302	18	6.3	0
05/11/2022 18:00	4.1	304	18	6	0
05/11/2022 18:10	4.7	302	15	6.5	0
05/11/2022 18:20	4.7	302	13	6.4	0
05/11/2022 18:30	4	300	15	6	0
05/11/2022 18:40	3.9	301	18	6.2	0
05/11/2022 18:50	3.8	303	18	5.6	0
05/11/2022 19:00	4	304	17	5.7	0
05/11/2022 19:10	3.9	306	16	6.4	0
05/11/2022 19:20	3.5	298	23	5	0
05/11/2022 19:30	3.4	305	20	5.2	0
05/11/2022 19:40	3.2	286	23	5.2	0
05/11/2022 19:50	3	287	24	5.3	0
05/11/2022 20:00	3.4	280	19	5.7	0
05/11/2022 20:10	3	284	23	5.2	0
05/11/2022 20:20	2.6	281	25	4.1	0
05/11/2022 20:30	3	276	19	4.8	0
05/11/2022 20:40	3.5	270	23	5.2	0
05/11/2022 20:50	3.1	272	25	4.6	0
05/11/2022 21:00	3.2	275	21	5	0
05/11/2022 21:10	3.3	273	21	5.5	0
05/11/2022 21:20	3.3	272	23	5.2	0
05/11/2022 21:30	3.8	275	24	6	0
05/11/2022 21:40	3.3	273	22	5.4	0
05/11/2022 21:50	3.7	273	20	5.8	0
05/11/2022 22:00	3.6	277	19	5.6	0
05/11/2022 22:10	3.4	273	24	5.8	0
05/11/2022 22:20	3.4	265	30	6	0
05/11/2022 22:30	3.3	267	28	5.3	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/11/2022 22:40	3.2	272	25	5	0
05/11/2022 22:50	3.4	272	22	5.1	0
05/11/2022 23:00	3.1	266	27	5.4	0
05/11/2022 23:10	3.4	277	21	5.5	0
05/11/2022 23:20	2.6	278	47	5.5	0
05/11/2022 23:30	3.2	270	35	6	0
05/11/2022 23:40	2.6	262	49	4.9	0
05/11/2022 23:50	2.1	250	75	4.5	0
06/11/2022 00:00	2	264	63	4.8	0
06/11/2022 00:10	2.6	268	38	4.7	0
06/11/2022 00:20	2.2	240	53	4.1	0
06/11/2022 00:30	1.6	261	64	4.4	0
06/11/2022 00:40	2.4	257	45	4.2	0
06/11/2022 00:50	2.2	247	51	4.6	0
06/11/2022 01:00	1.9	268	45	3.6	0
06/11/2022 01:10	2.6	257	32	5	0
06/11/2022 01:20	2.6	266	41	4.7	0
06/11/2022 01:30	1.9	249	52	3.9	0
06/11/2022 01:40	2.5	259	35	5.2	0
06/11/2022 01:50	1.9	257	56	3.9	0
06/11/2022 02:00	2.2	270	35	3.9	0
06/11/2022 02:10	1.8	265	41	4	0
06/11/2022 02:20	1.6	256	65	3.6	0
06/11/2022 02:30	2.1	241	49	4.5	0
06/11/2022 02:40	2.3	261	36	4.2	0
06/11/2022 02:50	2.2	256	49	4.2	0
06/11/2022 03:00	1.8	269	55	4.1	0
06/11/2022 03:10	1.9	265	45	3.2	0
06/11/2022 03:20	1.8	250	49	3.2	0
06/11/2022 03:30	2.3	255	49	4.5	0
06/11/2022 03:40	2.3	265	47	4.5	0
06/11/2022 03:50	2.6	266	40	5.3	0
06/11/2022 04:00	2.3	262	41	3.7	0
06/11/2022 04:10	2	266	55	4.5	0
06/11/2022 04:20	1.9	258	59	3.7	0
06/11/2022 04:30	1.8	265	68	4	0
06/11/2022 04:40	2.8	260	38	5.1	0
06/11/2022 04:50	2.6	266	37	5.1	0
06/11/2022 05:00	3.3	257	33	5.9	0
06/11/2022 05:10	2.2	248	46	4.7	0
06/11/2022 05:20	2.4	237	52	5.2	0
06/11/2022 05:30	1.8	238	61	4	0
06/11/2022 05:40	1.9	222	54	3.6	0
06/11/2022 05:50	2.1	263	61	4.8	0
06/11/2022 06:00	2.5	243	51	4.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/11/2022 06:10	2	239	56	4.2	0
06/11/2022 06:20	2.1	224	58	3.9	0
06/11/2022 06:30	2	246	48	3.8	0
06/11/2022 06:40	1.6	250	54	2.9	0
06/11/2022 06:50	2.3	270	35	4.1	0
06/11/2022 07:00	2.2	279	41	4.4	0
06/11/2022 07:10	2.1	284	44	4.1	0
06/11/2022 07:20	2.3	266	29	4	0
06/11/2022 07:30	2	269	29	3.6	0
06/11/2022 07:40	2.6	269	24	4.4	0
06/11/2022 07:50	3	269	42	5.7	0
06/11/2022 08:00	2.3	267	44	4.8	0
06/11/2022 08:10	2.2	238	52	4.2	0
06/11/2022 08:20	1.7	222	58	3.4	0
06/11/2022 08:30	1.7	250	40	2.8	0
06/11/2022 08:40	2	271	22	3.2	0
06/11/2022 08:50	2.4	255	30	4.3	0
06/11/2022 09:00	2.7	280	23	4	0
06/11/2022 09:10	2.7	286	27	4.6	0
06/11/2022 09:20	2.8	278	30	4.5	0
06/11/2022 09:30	4.2	278	18	6.2	0
06/11/2022 09:40	3.5	265	37	5.4	0
06/11/2022 09:50	3.2	265	35	5.2	0
06/11/2022 10:00	2.9	244	31	4.5	0
06/11/2022 10:10	3.4	271	28	5.9	0
06/11/2022 10:20	2.8	258	32	4.5	0
06/11/2022 10:30	2.8	266	29	4.4	0
06/11/2022 10:40	2.8	278	25	4.5	0
06/11/2022 10:50	3.6	297	23	5.7	0
06/11/2022 11:00	3.8	289	26	6.3	0
06/11/2022 11:10	4	284	21	6.6	0
06/11/2022 11:20	4.1	271	25	6.6	0
06/11/2022 11:30	3.2	271	28	5.2	0
06/11/2022 11:40	3.3	287	27	5.9	0
06/11/2022 11:50	3.9	278	24	6.4	0
06/11/2022 12:00	4.2	280	29	6.3	0
06/11/2022 12:10	4.9	287	21	7.5	0
06/11/2022 12:20	4.5	274	23	7.2	0
06/11/2022 12:30	4.6	280	23	7.3	0
06/11/2022 12:40	4.6	271	23	7.9	0
06/11/2022 12:50	4.7	282	21	7.9	0
06/11/2022 13:00	4.4	271	23	6.9	0
06/11/2022 13:10	4.8	280	30	7.8	0
06/11/2022 13:20	5.1	275	26	8.1	0
06/11/2022 13:30	5.2	276	22	8.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/11/2022 13:40	4.8	274	20	8.3	0
06/11/2022 13:50	5.5	272	23	9.3	0
06/11/2022 14:00	5.4	275	22	8	0
06/11/2022 14:10	4.8	277	24	8.1	0
06/11/2022 14:20	4.4	267	25	7.5	0
06/11/2022 14:30	4.9	269	28	7	0
06/11/2022 14:40	5.5	275	24	8.5	0
06/11/2022 14:50	4.9	275	23	7.5	0
06/11/2022 15:00	4.9	270	25	7.9	0
06/11/2022 15:10	4.2	273	26	7.5	0
06/11/2022 15:20	4.1	262	38	7.5	0
06/11/2022 15:30	3.5	262	48	6.1	0
06/11/2022 15:40	4.6	268	29	7.7	0
06/11/2022 15:50	4.5	265	30	7.3	0
06/11/2022 16:00	4.1	257	39	7.3	0
06/11/2022 16:10	3.5	256	37	6	0
06/11/2022 16:20	4.2	261	42	7.2	0
06/11/2022 16:30	4.7	268	29	8.1	0
06/11/2022 16:40	4.1	261	34	6.9	0
06/11/2022 16:50	4.5	272	29	7.2	0
06/11/2022 17:00	3.4	268	41	5.8	0
06/11/2022 17:10	4.2	263	28	7.9	0
06/11/2022 17:20	3.5	264	34	6	0
06/11/2022 17:30	3.9	271	44	6.8	0
06/11/2022 17:40	4.1	262	36	7	0
06/11/2022 17:50	3.5	266	41	6.8	0
06/11/2022 18:00	4	265	32	7.5	0
06/11/2022 18:10	3.8	272	34	6.5	0
06/11/2022 18:20	4.4	271	25	7.1	0
06/11/2022 18:30	4.4	270	24	7.2	0
06/11/2022 18:40	4.3	271	22	6.8	0
06/11/2022 18:50	4.3	269	28	6.4	0
06/11/2022 19:00	4.1	273	21	6.6	0
06/11/2022 19:10	4.2	270	22	6.7	0
06/11/2022 19:20	4.1	269	25	7.4	0
06/11/2022 19:30	4.3	267	24	6.9	0
06/11/2022 19:40	3.4	259	46	6.7	0
06/11/2022 19:50	3.8	272	32	6.2	0
06/11/2022 20:00	3.9	267	31	6.1	0
06/11/2022 20:10	3.9	264	31	6.6	0
06/11/2022 20:20	3.6	262	35	7	0
06/11/2022 20:30	3.8	260	37	6.9	0
06/11/2022 20:40	3.2	264	42	5.9	0
06/11/2022 20:50	3.3	269	34	6.8	0
06/11/2022 21:00	3.1	267	45	6	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/11/2022 21:10	3.7	269	35	6.2	0
06/11/2022 21:20	3.4	263	37	5.8	0
06/11/2022 21:30	3.5	263	35	6.4	0
06/11/2022 21:40	3.8	262	30	6.8	0
06/11/2022 21:50	3.9	266	31	6.8	0
06/11/2022 22:00	3.5	265	37	6	0
06/11/2022 22:10	2.8	233	59	4.8	0
06/11/2022 22:20	2.6	271	54	6.2	0
06/11/2022 22:30	2.3	222	56	4.9	0
06/11/2022 22:40	2.7	269	57	5.6	0
06/11/2022 22:50	2.1	246	67	3.7	0
06/11/2022 23:00	2.9	242	43	5.6	0
06/11/2022 23:10	2.6	250	54	6.1	0
06/11/2022 23:20	2.8	238	47	7.2	0
06/11/2022 23:30	2.5	244	58	5.2	0
06/11/2022 23:40	2.9	238	50	5.5	0
06/11/2022 23:50	2.7	246	53	5.4	0
07/11/2022 00:00	2.2	259	63	5.2	0
07/11/2022 00:10	2.7	244	46	5.7	0
07/11/2022 00:20	2.6	222	54	5.4	0
07/11/2022 00:30	2	237	59	4.7	0
07/11/2022 00:40	2.3	262	60	5	0
07/11/2022 00:50	2.1	238	60	4.6	0
07/11/2022 01:00	1.9	211	54	3.6	0
07/11/2022 01:10	1.6	245	52	2.9	0
07/11/2022 01:20	2.1	203	42	4.2	0
07/11/2022 01:30	2.5	222	46	5.3	0
07/11/2022 01:40	2.2	221	52	4.6	0
07/11/2022 01:50	2.5	207	40	4.8	0
07/11/2022 02:00	2	216	47	4.1	0
07/11/2022 02:10	3	203	39	6.4	0
07/11/2022 02:20	2.7	215	43	5.6	0
07/11/2022 02:30	3.1	217	35	6	0
07/11/2022 02:40	2.6	210	40	5.5	0
07/11/2022 02:50	2.8	213	39	5.6	0
07/11/2022 03:00	3.3	208	46	6.7	0
07/11/2022 03:10	3	229	45	6.3	0
07/11/2022 03:20	3.2	209	40	6.2	0
07/11/2022 03:30	2.5	219	51	6.4	0
07/11/2022 03:40	3.2	204	35	6	0
07/11/2022 03:50	3.1	214	36	6.7	0
07/11/2022 04:00	3.2	202	37	6.8	0
07/11/2022 04:10	3.1	211	33	6	0
07/11/2022 04:20	3.3	217	40	6.4	0
07/11/2022 04:30	3	207	36	5.6	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/11/2022 04:40	2.2	204	50	4.7	0
07/11/2022 04:50	2.8	222	57	6	0
07/11/2022 05:00	2.8	205	41	5.6	0
07/11/2022 05:10	2.6	199	45	5.2	0
07/11/2022 05:20	2.2	210	48	3.7	0
07/11/2022 05:30	2.6	216	45	5.5	0
07/11/2022 05:40	3.6	223	36	6.8	0
07/11/2022 05:50	3.2	224	34	5.7	0
07/11/2022 06:00	3	205	36	5.7	0
07/11/2022 06:10	3.1	210	34	5.8	0
07/11/2022 06:20	3	203	35	5.3	0
07/11/2022 06:30	3	219	32	5.2	0
07/11/2022 06:40	2.4	218	47	5.6	0
07/11/2022 06:50	2.6	209	47	4.2	0
07/11/2022 07:00	3.5	211	31	6.8	0
07/11/2022 07:10	3.3	208	35	6	0
07/11/2022 07:20	2.8	210	41	5.1	0
07/11/2022 07:30	4.1	210	29	7.7	0
07/11/2022 07:40	3.9	216	39	7.1	0
07/11/2022 07:50	4.7	207	26	7.5	0
07/11/2022 08:00	3.4	219	38	5.7	0
07/11/2022 08:10	3.2	220	41	7	0
07/11/2022 08:20	3.6	210	33	6.2	0
07/11/2022 08:30	3.6	207	41	6.8	0
07/11/2022 08:40	4.4	201	22	7.6	0
07/11/2022 08:50	3.7	210	38	6.4	0
07/11/2022 09:00	3.9	203	34	6.4	0
07/11/2022 09:10	3.5	212	36	6.9	0
07/11/2022 09:20	3	226	58	5.8	0
07/11/2022 09:30	3.8	212	36	7	0
07/11/2022 09:40	3	214	48	5.8	0
07/11/2022 09:50	3.5	247	36	6.5	0
07/11/2022 10:00	2.9	245	55	6.8	0
07/11/2022 10:10	3.5	261	33	6.2	0
07/11/2022 10:20	3.6	256	45	6.5	0
07/11/2022 10:30	3.5	245	38	6.6	0
07/11/2022 10:40	4.6	275	24	7.3	0
07/11/2022 10:50	4.6	272	28	8.3	0
07/11/2022 11:00	4.8	280	22	7.5	0
07/11/2022 11:10	4.9	277	21	7.9	0
07/11/2022 11:20	4.8	273	20	7.6	0
07/11/2022 11:30	5.3	278	22	8	0
07/11/2022 11:40	4.8	276	28	8	0
07/11/2022 11:50	5.3	270	23	8.1	0
07/11/2022 12:00	5.3	278	26	8.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/11/2022 12:10	5.4	276	27	8.6	0
07/11/2022 12:20	4.9	269	32	7.8	0
07/11/2022 12:30	5.2	274	26	8.7	0
07/11/2022 12:40	5.4	270	31	9.3	0
07/11/2022 12:50	6.3	271	21	9.3	0
07/11/2022 13:00	5.4	271	23	8.7	0
07/11/2022 13:10	5.4	271	24	8.8	0
07/11/2022 13:20	5.4	272	30	8.6	0
07/11/2022 13:30	6.4	271	24	11	0
07/11/2022 13:40	5.6	272	25	9.1	0
07/11/2022 13:50	5.7	270	22	9	0
07/11/2022 14:00	5.9	279	21	8.3	0
07/11/2022 14:10	6.2	273	22	9.4	0
07/11/2022 14:20	5.4	269	33	8.6	0
07/11/2022 14:30	5.3	272	29	9.1	0
07/11/2022 14:40	5.7	277	29	10	0
07/11/2022 14:50	5	264	31	9	0
07/11/2022 15:00	5.4	271	22	9.3	0
07/11/2022 15:10	5.6	272	22	8	0
07/11/2022 15:20	5.9	274	22	9.1	0
07/11/2022 15:30	5.3	270	33	8.4	0
07/11/2022 15:40	5	278	26	8.1	0
07/11/2022 15:50	5.1	272	31	8.8	0
07/11/2022 16:00	5.2	269	30	8.3	0
07/11/2022 16:10	5.2	266	30	8.6	0
07/11/2022 16:20	5.4	270	21	7.9	0
07/11/2022 16:30	5	270	28	9	0
07/11/2022 16:40	5	263	29	9.9	0
07/11/2022 16:50	5.2	269	27	7.9	0
07/11/2022 17:00	5.3	271	26	8.8	0
07/11/2022 17:10	4.7	270	32	8.1	0
07/11/2022 17:20	4.5	263	42	7.6	0
07/11/2022 17:30	5	272	23	7.7	0
07/11/2022 17:40	4.2	269	29	7.2	0
07/11/2022 17:50	4.2	261	32	7.5	0
07/11/2022 18:00	5	271	23	7.8	0
07/11/2022 18:10	4.7	274	25	7.8	0
07/11/2022 18:20	4.4	265	24	7.5	0
07/11/2022 18:30	3.9	259	36	7.1	0
07/11/2022 18:40	3.6	259	42	6.4	0
07/11/2022 18:50	3.3	270	47	6.7	0
07/11/2022 19:00	4	271	26	6.7	0
07/11/2022 19:10	3.6	264	45	6.4	0
07/11/2022 19:20	3.2	256	44	6.4	0
07/11/2022 19:30	3.5	266	41	6.1	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/11/2022 19:40	2.7	266	52	5.8	0
07/11/2022 19:50	3.4	268	37	6.4	0
07/11/2022 20:00	3.7	271	35	6.8	0
07/11/2022 20:10	4	275	25	6.8	0
07/11/2022 20:20	3.4	266	41	6.4	0
07/11/2022 20:30	3	245	49	5.7	0
07/11/2022 20:40	3.2	264	44	5.8	0
07/11/2022 20:50	3.3	263	42	6.3	0
07/11/2022 21:00	2.5	230	64	5.4	0
07/11/2022 21:10	3.3	257	38	6.3	0
07/11/2022 21:20	2.3	253	66	4.8	0
07/11/2022 21:30	2.9	249	43	5	0
07/11/2022 21:40	3	251	45	6.5	0
07/11/2022 21:50	3.1	249	50	6.3	0
07/11/2022 22:00	3	263	53	6	0
07/11/2022 22:10	2.5	247	57	4.7	0
07/11/2022 22:20	2.2	236	65	4.5	0
07/11/2022 22:30	2.5	216	64	5.1	0
07/11/2022 22:40	3	243	43	5.8	0
07/11/2022 22:50	2.6	245	49	5.1	0
07/11/2022 23:00	3	237	49	6	0
07/11/2022 23:10	2.8	245	51	5.6	0
07/11/2022 23:20	2.5	249	49	4.8	0
07/11/2022 23:30	2.6	244	49	5.5	0
07/11/2022 23:40	2.1	213	75	6	0
07/11/2022 23:50	2.7	224	51	5.6	0
08/11/2022 00:00	2.8	216	38	5.2	0
08/11/2022 00:10	2.7	209	42	5.2	0
08/11/2022 00:20	2.8	208	44	5.2	0
08/11/2022 00:30	2.8	204	39	6.5	0
08/11/2022 00:40	2.9	212	50	5.7	0
08/11/2022 00:50	3.1	208	33	6.8	0
08/11/2022 01:00	2.5	206	47	5.6	0
08/11/2022 01:10	2.7	224	46	4.8	0
08/11/2022 01:20	2.5	231	53	5.2	0
08/11/2022 01:30	2.1	198	55	4.4	0
08/11/2022 01:40	2.6	220	61	6.4	0
08/11/2022 01:50	2.3	217	65	5.4	0
08/11/2022 02:00	2.3	230	67	4.8	0
08/11/2022 02:10	2.8	226	49	5.7	0
08/11/2022 02:20	2.3	233	51	5.1	0
08/11/2022 02:30	2	235	68	4.8	0
08/11/2022 02:40	2.2	224	49	4.3	0
08/11/2022 02:50	2.4	213	56	5.6	0
08/11/2022 03:00	2.5	241	53	5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/11/2022 03:10	1.8	256	57	4.2	0
08/11/2022 03:20	1.8	228	60	3.5	0
08/11/2022 03:30	2	221	65	4.1	0
08/11/2022 03:40	2	224	52	3.6	0
08/11/2022 03:50	2	246	61	4.4	0
08/11/2022 04:00	1.9	236	46	3.4	0
08/11/2022 04:10	2.2	217	48	4.3	0
08/11/2022 04:20	2.1	213	53	3.9	0
08/11/2022 04:30	1.7	227	58	3.6	0
08/11/2022 04:40	1.9	234	49	3.5	0
08/11/2022 04:50	1.7	208	52	3.8	0
08/11/2022 05:00	2	227	48	3.3	0
08/11/2022 05:10	1.6	235	51	3.2	0
08/11/2022 05:20	1.5	214	73	2.9	0
08/11/2022 05:30	1.4	209	54	2.8	0
08/11/2022 05:40	1.7	203	59	3.5	0
08/11/2022 05:50	2	224	44	3.2	0
08/11/2022 06:00	2.2	240	45	4	0
08/11/2022 06:10	2	213	55	3.9	0
08/11/2022 06:20	1.9	218	52	3.4	0
08/11/2022 06:30	2.5	214	42	5	0
08/11/2022 06:40	2.6	217	42	5.2	0
08/11/2022 06:50	3	208	35	5.1	0
08/11/2022 07:00	3.6	210	29	6.4	0
08/11/2022 07:10	3.6	211	31	6.3	0
08/11/2022 07:20	3.9	202	26	6.4	0
08/11/2022 07:30	3.4	207	27	6.2	0
08/11/2022 07:40	3.1	210	32	5.4	0
08/11/2022 07:50	3.4	215	37	6.2	0
08/11/2022 08:00	3.7	206	28	6.5	0
08/11/2022 08:10	3	216	32	5.1	0
08/11/2022 08:20	2.9	209	36	5.3	0
08/11/2022 08:30	3.7	196	20	5.3	0
08/11/2022 08:40	2.8	240	39	5.1	0
08/11/2022 08:50	2.5	241	51	5.3	0
08/11/2022 09:00	3.2	235	36	6.2	0
08/11/2022 09:10	3.3	209	37	5.7	0
08/11/2022 09:20	2.8	223	36	5.5	0
08/11/2022 09:30	3	233	46	5.5	0
08/11/2022 09:40	3.7	223	37	7.2	0
08/11/2022 09:50	3.1	227	34	5.9	0
08/11/2022 10:00	3.9	223	39	7.2	0
08/11/2022 10:10	3.7	242	29	6	0
08/11/2022 10:20	4	261	28	7	0
08/11/2022 10:30	3	247	52	5.7	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/11/2022 10:40	3.9	255	36	6	0
08/11/2022 10:50	3.5	252	34	7.1	0
08/11/2022 11:00	4.2	272	26	7.5	0
08/11/2022 11:10	3.8	265	31	7	0
08/11/2022 11:20	3.7	266	39	6.9	0
08/11/2022 11:30	4.9	280	23	8.6	0
08/11/2022 11:40	4.7	277	26	7.7	0
08/11/2022 11:50	5.1	269	26	7.8	0
08/11/2022 12:00	5.2	275	22	8	0
08/11/2022 12:10	4.9	269	28	7.5	0
08/11/2022 12:20	5.3	268	22	8.1	0
08/11/2022 12:30	3.9	260	35	8.3	0
08/11/2022 12:40	4.6	266	27	8.3	0
08/11/2022 12:50	4.7	270	25	7.5	0
08/11/2022 13:00	5.2	265	26	8.3	0
08/11/2022 13:10	4.9	272	29	9.1	0
08/11/2022 13:20	4.2	264	35	7.9	0
08/11/2022 13:30	4.2	267	36	6.7	0
08/11/2022 13:40	4.8	271	25	9.1	0
08/11/2022 13:50	5	268	23	7.8	0
08/11/2022 14:00	5.6	266	23	8.7	0
08/11/2022 14:10	5.2	267	25	8.3	0
08/11/2022 14:20	5.1	279	26	8.6	0
08/11/2022 14:30	5.4	277	24	8.6	0
08/11/2022 14:40	5	275	23	8.1	0
08/11/2022 14:50	5.6	279	21	8.7	0
08/11/2022 15:00	5.4	279	22	8.7	0
08/11/2022 15:10	5.6	278	23	8.3	0
08/11/2022 15:20	5.6	279	22	8.4	0
08/11/2022 15:30	5.7	272	18	8.7	0
08/11/2022 15:40	5	272	22	8.1	0
08/11/2022 15:50	5	278	22	8.3	0
08/11/2022 16:00	5.1	277	20	8	0
08/11/2022 16:10	4.6	272	26	8.2	0
08/11/2022 16:20	5.7	277	21	8.2	0
08/11/2022 16:30	4.4	271	21	6.8	0
08/11/2022 16:40	5	272	21	8.7	0
08/11/2022 16:50	5.2	270	23	8	0
08/11/2022 17:00	4.6	277	25	7	0
08/11/2022 17:10	5	268	26	8	0
08/11/2022 17:20	4.6	273	26	8	0
08/11/2022 17:30	4.7	278	21	7.9	0
08/11/2022 17:40	4.2	269	26	6.8	0
08/11/2022 17:50	3.3	260	44	6.3	0
08/11/2022 18:00	4.2	274	26	8.3	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/11/2022 18:10	3.9	267	33	6	0
08/11/2022 18:20	3.1	274	45	6.6	0
08/11/2022 18:30	4.4	271	34	7.3	0
08/11/2022 18:40	3.7	258	41	7.4	0
08/11/2022 18:50	3.7	274	32	6.9	0
08/11/2022 19:00	3.5	268	33	6.2	0
08/11/2022 19:10	3.5	264	46	7	0
08/11/2022 19:20	3.4	268	38	5.9	0
08/11/2022 19:30	3.2	260	42	5.6	0
08/11/2022 19:40	2.7	263	42	5.5	0
08/11/2022 19:50	3.3	258	42	7	0
08/11/2022 20:00	2.7	258	51	6	0
08/11/2022 20:10	3.1	252	37	6.5	0
08/11/2022 20:20	2.8	239	53	5.5	0
08/11/2022 20:30	2.5	256	44	4.5	0
08/11/2022 20:40	2.5	266	52	5.3	0
08/11/2022 20:50	2.3	244	57	4.6	0
08/11/2022 21:00	3	248	41	5.6	0
08/11/2022 21:10	2.3	229	46	4.9	0
08/11/2022 21:20	2.6	238	60	5.6	0
08/11/2022 21:30	2.2	252	63	4.9	0
08/11/2022 21:40	2.5	236	46	5.5	0
08/11/2022 21:50	2.6	245	56	5.7	0
08/11/2022 22:00	2.3	236	46	4.4	0
08/11/2022 22:10	1.9	245	63	3.8	0
08/11/2022 22:20	1.9	237	69	4.3	0
08/11/2022 22:30	2.1	239	60	4.1	0
08/11/2022 22:40	2.1	245	58	3.6	0
08/11/2022 22:50	1.9	246	59	3.2	0
08/11/2022 23:00	2	235	63	4.4	0
08/11/2022 23:10	1.6	210	64	3.5	0
08/11/2022 23:20	1.8	222	62	3.8	0
08/11/2022 23:30	2.1	242	63	4	0
08/11/2022 23:40	2	226	54	4.3	0
08/11/2022 23:50	2	247	56	4.5	0
09/11/2022 00:00	2.6	246	46	5.6	0
09/11/2022 00:10	2.6	260	40	4.7	0
09/11/2022 00:20	1.6	217	70	3.5	0
09/11/2022 00:30	2.7	256	47	6	0
09/11/2022 00:40	2.2	223	48	5.6	0
09/11/2022 00:50	2.4	248	48	5	0
09/11/2022 01:00	2.1	240	60	4.4	0
09/11/2022 01:10	2.2	236	59	4.8	0
09/11/2022 01:20	2.6	248	54	5.7	0
09/11/2022 01:30	2.8	257	39	5.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/11/2022 01:40	2.3	244	58	3.7	0
09/11/2022 01:50	2.2	234	51	4.7	0
09/11/2022 02:00	2.1	240	53	4.1	0
09/11/2022 02:10	2.3	234	46	4.4	0
09/11/2022 02:20	2.2	234	49	4.5	0
09/11/2022 02:30	2.5	230	52	5.4	0
09/11/2022 02:40	2.1	236	53	4.1	0
09/11/2022 02:50	2	239	59	4.8	0
09/11/2022 03:00	1.7	216	55	3.3	0
09/11/2022 03:10	2	213	52	5	0
09/11/2022 03:20	2.4	255	35	4.1	0
09/11/2022 03:30	2.5	261	36	5.1	0
09/11/2022 03:40	2.2	270	30	4	0
09/11/2022 03:50	2.2	268	36	3.8	0
09/11/2022 04:00	2	253	56	4	0
09/11/2022 04:10	1.8	263	38	3.6	0
09/11/2022 04:20	1.9	284	35	3.5	0
09/11/2022 04:30	1.5	266	63	2.6	0
09/11/2022 04:40	1.5	295	50	3.2	0
09/11/2022 04:50	1.8	279	28	3	0
09/11/2022 05:00	1.8	265	45	3.2	0
09/11/2022 05:10	2.1	267	27	3.2	0
09/11/2022 05:20	2.3	270	26	4.1	0
09/11/2022 05:30	1.3	286	71	2.8	0
09/11/2022 05:40	1.4	299	38	2.5	0
09/11/2022 05:50	1.1	279	85	2.2	0
09/11/2022 06:00	1.3	207	44	2.5	0
09/11/2022 06:10	2.1	273	20	2.8	0
09/11/2022 06:20	2.4	275	21	3.3	0
09/11/2022 06:30	2.7	277	13	4	0
09/11/2022 06:40	2.7	276	16	4.2	0
09/11/2022 06:50	2.8	270	19	4.4	0
09/11/2022 07:00	2.9	274	15	4.3	0
09/11/2022 07:10	2.1	261	30	4	0
09/11/2022 07:20	2.4	241	30	4	0
09/11/2022 07:30	2	225	38	3.2	0
09/11/2022 07:40	2	267	38	4	0
09/11/2022 07:50	2.1	248	44	3.7	0
09/11/2022 08:00	2.9	276	23	4.9	0
09/11/2022 08:10	2.8	269	37	4.8	0
09/11/2022 08:20	2.1	261	30	3.9	0
09/11/2022 08:30	2.1	262	30	3.7	0
09/11/2022 08:40	2.9	212	30	5.1	0
09/11/2022 08:50	2.6	202	25	4	0
09/11/2022 09:00	3.1	206	31	5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/11/2022 09:10	2.9	200	29	4.2	0
09/11/2022 09:20	2.2	234	42	4	0
09/11/2022 09:30	2.9	210	31	5.1	0
09/11/2022 09:40	2.8	210	32	4.6	0
09/11/2022 09:50	2.4	244	27	4.4	0
09/11/2022 10:00	2.5	260	33	4.3	0
09/11/2022 10:10	2.8	274	27	5	0
09/11/2022 10:20	3.3	273	25	6	0
09/11/2022 10:30	3.5	274	23	5.2	0
09/11/2022 10:40	3.2	277	21	4.8	0
09/11/2022 10:50	3.6	275	28	5.1	0
09/11/2022 11:00	3.4	275	21	5.1	0
09/11/2022 11:10	3.6	271	21	5.6	0
09/11/2022 11:20	4.2	274	21	6.2	0
09/11/2022 11:30	4.2	275	21	6	0
09/11/2022 11:40	4	275	18	6.1	0
09/11/2022 11:50	4.4	284	21	6.4	0
09/11/2022 12:00	4.2	293	23	5.9	0
09/11/2022 12:10	4.3	281	25	6.2	0
09/11/2022 12:20	4.6	283	26	7.4	0
09/11/2022 12:30	4.7	275	21	7.1	0
09/11/2022 12:40	4.5	272	20	7.2	0
09/11/2022 12:50	4.8	274	18	6.9	0
09/11/2022 13:00	4.6	268	19	7.5	0
09/11/2022 13:10	4.1	269	19	6.5	0
09/11/2022 13:20	3.4	266	34	6.1	0
09/11/2022 13:30	3.9	269	23	5.7	0
09/11/2022 13:40	3.8	275	21	5.6	0
09/11/2022 13:50	3.7	279	25	5.7	0
09/11/2022 14:00	4.1	275	22	6.2	0
09/11/2022 14:10	4.3	274	22	6.8	0
09/11/2022 14:20	4.7	270	23	7	0
09/11/2022 14:30	4.5	276	22	7.2	0
09/11/2022 14:40	4.3	273	23	6.8	0
09/11/2022 14:50	4.6	272	24	7.8	0
09/11/2022 15:00	4.7	275	25	7.7	0
09/11/2022 15:10	5.1	270	26	8.3	0
09/11/2022 15:20	4.8	269	24	7.8	0
09/11/2022 15:30	4.6	272	23	7.5	0
09/11/2022 15:40	4.8	269	20	6.8	0
09/11/2022 15:50	4.6	274	22	6.8	0
09/11/2022 16:00	4.3	276	19	6.8	0
09/11/2022 16:10	4.3	269	25	7.5	0
09/11/2022 16:20	4.7	272	24	6.8	0
09/11/2022 16:30	4.2	278	23	6.8	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/11/2022 16:40	4.7	267	29	8.3	0
09/11/2022 16:50	4.9	268	26	8.3	0
09/11/2022 17:00	4.7	265	30	8.5	0
09/11/2022 17:10	5.5	272	19	8.2	0
09/11/2022 17:20	4.9	268	28	8.3	0
09/11/2022 17:30	5	272	23	8.8	0
09/11/2022 17:40	4.6	270	28	7.5	0
09/11/2022 17:50	4.6	275	26	7.5	0
09/11/2022 18:00	5	269	24	7.7	0
09/11/2022 18:10	4.7	271	23	7.9	0
09/11/2022 18:20	4.4	270	25	7.2	0
09/11/2022 18:30	3.8	266	28	6.2	0
09/11/2022 18:40	3.5	273	25	5.7	0
09/11/2022 18:50	4	274	20	6.6	0
09/11/2022 19:00	4.1	272	21	6.8	0
09/11/2022 19:10	3.6	271	27	5.7	0
09/11/2022 19:20	3.4	270	30	6	0
09/11/2022 19:30	3.2	263	37	6.2	0
09/11/2022 19:40	3.4	273	24	6.1	0
09/11/2022 19:50	3.9	268	24	6.4	0
09/11/2022 20:00	4.4	270	23	7.1	0
09/11/2022 20:10	4	268	29	6.8	0
09/11/2022 20:20	3.9	271	33	7.2	0
09/11/2022 20:30	3.2	261	43	5.6	0
09/11/2022 20:40	3.2	267	35	5.6	0
09/11/2022 20:50	2.7	262	48	5	0
09/11/2022 21:00	2.8	268	54	5.9	0
09/11/2022 21:10	2.8	252	52	5.4	0
09/11/2022 21:20	2.8	254	39	6.4	0
09/11/2022 21:30	3	244	54	6.1	0
09/11/2022 21:40	2.9	260	45	5.2	0
09/11/2022 21:50	2.7	265	53	6	0
09/11/2022 22:00	2.9	260	42	6.2	0
09/11/2022 22:10	2.6	257	50	5.2	0
09/11/2022 22:20	2.3	245	78	4.6	0
09/11/2022 22:30	2.3	241	59	4.2	0
09/11/2022 22:40	3	241	45	5.8	0
09/11/2022 22:50	2.4	220	53	4.8	0
09/11/2022 23:00	2.3	240	48	4.4	0
09/11/2022 23:10	2.4	239	53	4.8	0
09/11/2022 23:20	2.5	246	58	5.5	0
09/11/2022 23:30	2.3	244	61	5.2	0
09/11/2022 23:40	2.2	242	53	4.7	0
09/11/2022 23:50	2.2	228	61	4.6	0
10/11/2022 00:00	2.6	241	43	4.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/11/2022 00:10	2.1	229	61	4.8	0
10/11/2022 00:20	2.2	265	51	4.5	0
10/11/2022 00:30	1.8	245	66	3.9	0
10/11/2022 00:40	2.3	254	64	4.3	0
10/11/2022 00:50	2.2	230	54	4.7	0
10/11/2022 01:00	2	242	55	4	0
10/11/2022 01:10	1.5	209	60	3.2	0
10/11/2022 01:20	1.7	223	79	4.2	0
10/11/2022 01:30	1.8	217	54	4.1	0
10/11/2022 01:40	2	249	66	4.3	0
10/11/2022 01:50	2.2	221	49	4.5	0
10/11/2022 02:00	2.1	214	63	5	0
10/11/2022 02:10	2.2	241	60	3.9	0
10/11/2022 02:20	2.2	207	57	4.4	0
10/11/2022 02:30	1.9	224	58	4.4	0
10/11/2022 02:40	2.5	213	54	4.1	0
10/11/2022 02:50	2.1	214	48	4.4	0
10/11/2022 03:00	2	227	57	4.1	0
10/11/2022 03:10	2	202	63	4.1	0
10/11/2022 03:20	2.2	219	71	4.1	0
10/11/2022 03:30	2.2	224	63	4.3	0
10/11/2022 03:40	2.5	227	55	5.8	0
10/11/2022 03:50	2.5	244	62	4.9	0
10/11/2022 04:00	2.2	222	63	4.6	0
10/11/2022 04:10	2	201	53	3.9	0
10/11/2022 04:20	2.3	210	50	4.2	0
10/11/2022 04:30	2.3	250	56	4.8	0
10/11/2022 04:40	1.8	236	68	4.4	0
10/11/2022 04:50	2.4	236	55	4.8	0
10/11/2022 05:00	2.6	237	50	5.6	0
10/11/2022 05:10	2.3	230	57	6.3	0
10/11/2022 05:20	3.3	211	34	6.3	0
10/11/2022 05:30	2.8	214	47	6.3	0
10/11/2022 05:40	3.7	219	30	6.6	0
10/11/2022 05:50	2.5	217	41	4.6	0
10/11/2022 06:00	2.7	203	41	5.5	0
10/11/2022 06:10	3.1	210	40	5.4	0
10/11/2022 06:20	2.9	209	42	5.6	0
10/11/2022 06:30	2.8	216	49	6.4	0
10/11/2022 06:40	2.8	209	40	5.7	0
10/11/2022 06:50	3.1	213	39	5.6	0
10/11/2022 07:00	2.9	252	44	5.5	0
10/11/2022 07:10	2.5	233	51	6.4	0
10/11/2022 07:20	2.9	229	36	5.6	0
10/11/2022 07:30	2.7	235	53	4.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/11/2022 07:40	2.8	209	46	5.1	0
10/11/2022 07:50	2.4	202	40	5.1	0
10/11/2022 08:00	2.7	251	56	5.2	0
10/11/2022 08:10	2.7	234	41	5.3	0
10/11/2022 08:20	3.5	224	34	6	0
10/11/2022 08:30	3.2	230	44	5.8	0
10/11/2022 08:40	3.5	236	40	6.6	0
10/11/2022 08:50	3.2	227	42	7.3	0
10/11/2022 09:00	3.4	228	38	6.6	0
10/11/2022 09:10	3.7	238	40	7.1	0
10/11/2022 09:20	3	258	39	6	0
10/11/2022 09:30	3.3	264	33	6.4	0
10/11/2022 09:40	3.8	257	34	6	0
10/11/2022 09:50	4	271	28	6.9	0
10/11/2022 10:00	4.6	265	28	7.8	0
10/11/2022 10:10	3.8	258	37	7.5	0
10/11/2022 10:20	4.3	269	32	7.2	0
10/11/2022 10:30	4.1	263	28	6.8	0
10/11/2022 10:40	4.4	273	32	8.8	0
10/11/2022 10:50	4.8	271	25	8.4	0
10/11/2022 11:00	5	265	26	8.6	0
10/11/2022 11:10	5.3	276	23	9.1	0
10/11/2022 11:20	5.4	277	23	8.4	0
10/11/2022 11:30	5.3	272	24	9.3	0
10/11/2022 11:40	5.4	273	20	8.6	0
10/11/2022 11:50	5.7	271	23	9.4	0
10/11/2022 12:00	5.6	271	25	8.5	0
10/11/2022 12:10	5.7	274	26	8.4	0
10/11/2022 12:20	5.3	272	29	9.5	0
10/11/2022 12:30	5.7	277	26	8.8	0
10/11/2022 12:40	5.3	276	25	8.1	0
10/11/2022 12:50	5.5	277	24	9	0
10/11/2022 13:00	5.7	272	21	9.1	0
10/11/2022 13:10	5.7	273	23	9.9	0
10/11/2022 13:20	5.7	271	22	9.1	0
10/11/2022 13:30	5.7	272	26	9.3	0
10/11/2022 13:40	5.4	272	26	9	0
10/11/2022 13:50	5.6	278	24	8.6	0
10/11/2022 14:00	5.8	274	21	9.3	0
10/11/2022 14:10	5.6	270	29	9	0
10/11/2022 14:20	5.9	272	25	9.2	0
10/11/2022 14:30	5.9	271	21	8.4	0
10/11/2022 14:40	5.4	272	22	8.3	0
10/11/2022 14:50	5.4	271	27	8	0
10/11/2022 15:00	5.5	273	23	8.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/11/2022 15:10	4.5	262	36	8.7	0
10/11/2022 15:20	4.7	270	27	8	0
10/11/2022 15:30	4.6	252	36	9.5	0
10/11/2022 15:40	4.4	270	43	8.1	0
10/11/2022 15:50	4.3	268	29	7.8	0
10/11/2022 16:00	3.9	249	47	7.3	0
10/11/2022 16:10	3.9	256	41	7.7	0
10/11/2022 16:20	4.1	266	32	6.8	0
10/11/2022 16:30	3.6	242	43	6.4	0
10/11/2022 16:40	3.6	258	46	6.4	0
10/11/2022 16:50	3.8	253	52	7.4	0
10/11/2022 17:00	3.5	246	45	6.8	0
10/11/2022 17:10	3.9	257	35	7.8	0
10/11/2022 17:20	3.6	264	39	7.2	0
10/11/2022 17:30	4.6	268	34	8.2	0
10/11/2022 17:40	3.9	260	40	6.4	0
10/11/2022 17:50	3.5	235	53	6.7	0
10/11/2022 18:00	3.2	242	57	9.1	0
10/11/2022 18:10	3	237	48	5.8	0
10/11/2022 18:20	3.3	248	46	6.6	0
10/11/2022 18:30	3.7	264	36	6.3	0
10/11/2022 18:40	3.7	264	40	7.3	0
10/11/2022 18:50	3.2	251	57	6.4	0
10/11/2022 19:00	2.8	251	53	5.5	0
10/11/2022 19:10	2.9	256	51	5.6	0
10/11/2022 19:20	3	271	45	5.5	0
10/11/2022 19:30	3.7	273	36	7	0
10/11/2022 19:40	3.1	263	51	6.4	0
10/11/2022 19:50	2.9	267	45	5.4	0
10/11/2022 20:00	3	251	31	5	0
10/11/2022 20:10	2.7	264	35	5.3	0
10/11/2022 20:20	2.7	258	37	4.4	0
10/11/2022 20:30	2.9	272	42	5.1	0
10/11/2022 20:40	2.4	261	51	5.2	0
10/11/2022 20:50	2.5	253	42	5.1	0
10/11/2022 21:00	2.9	260	38	5.4	0
10/11/2022 21:10	2.6	253	54	5.2	0
10/11/2022 21:20	2.8	244	47	4.8	0
10/11/2022 21:30	2.9	266	42	5.7	0
10/11/2022 21:40	3	260	36	5.5	0
10/11/2022 21:50	2.2	225	57	5	0
10/11/2022 22:00	2.9	244	40	6	0
10/11/2022 22:10	2.5	242	59	4.6	0
10/11/2022 22:20	2.2	234	64	4.1	0
10/11/2022 22:30	2.7	243	44	5.9	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/11/2022 22:40	2.8	255	52	5.2	0
10/11/2022 22:50	2	246	55	5.6	0
10/11/2022 23:00	2.1	245	63	4.9	0
10/11/2022 23:10	3	247	40	5.7	0
10/11/2022 23:20	2.8	255	44	5.6	0
10/11/2022 23:30	2.4	254	52	5.2	0
10/11/2022 23:40	2.5	252	44	5.4	0
10/11/2022 23:50	2.2	240	61	5.1	0
11/11/2022 00:00	2.5	243	49	4.9	0
11/11/2022 00:10	2.2	223	63	4.6	0
11/11/2022 00:20	2.3	239	52	4.2	0
11/11/2022 00:30	2.9	254	49	5.2	0
11/11/2022 00:40	2.6	240	41	5.5	0
11/11/2022 00:50	2.4	244	46	4.4	0
11/11/2022 01:00	2.1	237	52	4	0
11/11/2022 01:10	2.7	256	46	5.2	0
11/11/2022 01:20	1.8	257	66	3.9	0
11/11/2022 01:30	2	212	61	3.8	0
11/11/2022 01:40	1.6	252	69	3.9	0
11/11/2022 01:50	1.7	237	71	4	0
11/11/2022 02:00	1.8	236	54	3.4	0
11/11/2022 02:10	1.7	234	74	3.6	0
11/11/2022 02:20	2	224	61	4	0
11/11/2022 02:30	2.2	249	45	4.3	0
11/11/2022 02:40	1.9	257	43	4.4	0
11/11/2022 02:50	1.6	250	76	3.2	0
11/11/2022 03:00	2	232	56	3.8	0
11/11/2022 03:10	2	253	54	3.6	0
11/11/2022 03:20	2	222	55	4.4	0
11/11/2022 03:30	2.3	243	43	4	0
11/11/2022 03:40	2.1	243	54	4.2	0
11/11/2022 03:50	2.2	262	41	4.2	0
11/11/2022 04:00	1.6	257	76	3.2	0
11/11/2022 04:10	1.9	243	72	4.2	0
11/11/2022 04:20	1.8	237	57	4	0
11/11/2022 04:30	1.8	250	44	3.3	0
11/11/2022 04:40	1.8	254	57	4	0
11/11/2022 04:50	2.2	261	30	4.2	0
11/11/2022 05:00	2.3	273	26	4.7	0
11/11/2022 05:10	2.6	271	27	4.4	0
11/11/2022 05:20	1.9	245	48	3.9	0
11/11/2022 05:30	1.7	254	46	3.2	0
11/11/2022 05:40	1.7	257	55	3.5	0
11/11/2022 05:50	1.7	253	45	3.2	0
11/11/2022 06:00	1.7	234	44	3	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/11/2022 06:10	1.8	207	53	3.6	0
11/11/2022 06:20	2.1	227	47	3.9	0
11/11/2022 06:30	1.8	269	50	3.8	0
11/11/2022 06:40	2.2	248	40	4.2	0
11/11/2022 06:50	2.1	256	36	3.6	0
11/11/2022 07:00	2.6	260	30	4.3	0
11/11/2022 07:10	2.6	250	30	4.4	0
11/11/2022 07:20	2.8	262	22	5	0
11/11/2022 07:30	2.6	273	23	4.5	0
11/11/2022 07:40	2.6	266	33	4.3	0
11/11/2022 07:50	2.8	276	23	4.6	0
11/11/2022 08:00	2.8	267	26	5.2	0
11/11/2022 08:10	3.1	258	28	4.8	0
11/11/2022 08:20	3.2	271	18	5.2	0
11/11/2022 08:30	2.9	264	30	4.8	0
11/11/2022 08:40	3.3	262	24	5	0
11/11/2022 08:50	3.2	268	22	4.8	0
11/11/2022 09:00	3.1	273	22	5	0
11/11/2022 09:10	3.4	277	21	5.2	0
11/11/2022 09:20	3.5	281	28	5.2	0
11/11/2022 09:30	4	286	23	5.9	0
11/11/2022 09:40	4.1	278	20	5.8	0
11/11/2022 09:50	4.2	286	25	6	0
11/11/2022 10:00	3.7	278	23	5.6	0
11/11/2022 10:10	3.9	279	25	5.9	0
11/11/2022 10:20	4.1	293	24	6.1	0
11/11/2022 10:30	3.9	281	23	6.1	0
11/11/2022 10:40	4.2	274	22	6.3	0
11/11/2022 10:50	4.4	282	20	6.8	0
11/11/2022 11:00	4.4	277	19	6.5	0
11/11/2022 11:10	4.4	281	24	6.6	0
11/11/2022 11:20	4.4	282	21	6.7	0
11/11/2022 11:30	4.7	278	18	6.6	0
11/11/2022 11:40	4.5	280	22	7.1	0
11/11/2022 11:50	4.5	282	23	6.7	0
11/11/2022 12:00	4.8	273	17	6.7	0
11/11/2022 12:10	4.5	292	25	7.2	0
11/11/2022 12:20	5.2	283	21	8.3	0
11/11/2022 12:30	5.3	274	18	7.8	0
11/11/2022 12:40	4.7	278	25	8.1	0
11/11/2022 12:50	5.2	270	24	7.6	0
11/11/2022 13:00	5.3	269	23	8.3	0
11/11/2022 13:10	5.5	271	22	8.5	0
11/11/2022 13:20	5.3	273	25	8.3	0
11/11/2022 13:30	5.3	275	23	7.9	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/11/2022 13:40	5.2	271	22	8.2	0
11/11/2022 13:50	5.3	269	22	8.6	0
11/11/2022 14:00	5.2	275	21	8.3	0
11/11/2022 14:10	5	270	25	7.9	0
11/11/2022 14:20	5.5	275	21	9.2	0
11/11/2022 14:30	5.5	272	21	8.7	0
11/11/2022 14:40	5.3	277	22	8.1	0
11/11/2022 14:50	4.6	273	27	7.2	0
11/11/2022 15:00	4.6	269	30	8.5	0
11/11/2022 15:10	5.1	270	24	7.7	0
11/11/2022 15:20	5	282	21	8.5	0
11/11/2022 15:30	5.3	274	22	8.5	0
11/11/2022 15:40	5	275	29	8.2	0
11/11/2022 15:50	5.1	276	21	8.5	0
11/11/2022 16:00	5.4	272	22	8.3	0
11/11/2022 16:10	4.8	273	21	8.3	0
11/11/2022 16:20	4.9	271	28	7.5	0
11/11/2022 16:30	4.9	273	25	7.7	0
11/11/2022 16:40	5.6	273	25	8.7	0
11/11/2022 16:50	4.9	275	19	7.5	0
11/11/2022 17:00	4.9	272	21	7.9	0
11/11/2022 17:10	4.3	273	29	7.9	0
11/11/2022 17:20	4.4	276	26	7.9	0
11/11/2022 17:30	4.7	275	22	7.5	0
11/11/2022 17:40	4.3	258	42	7.2	0
11/11/2022 17:50	4.4	271	30	7.3	0
11/11/2022 18:00	3.8	274	34	7.4	0
11/11/2022 18:10	4.4	270	29	6.8	0
11/11/2022 18:20	4.7	271	23	7.4	0
11/11/2022 18:30	3.2	257	43	6.6	0
11/11/2022 18:40	3.6	263	42	7.1	0
11/11/2022 18:50	2.9	254	46	5.7	0
11/11/2022 19:00	3.8	275	27	6.6	0
11/11/2022 19:10	4.2	272	26	6.8	0
11/11/2022 19:20	2.9	259	42	6.1	0
11/11/2022 19:30	2.9	261	40	5.7	0
11/11/2022 19:40	3.1	264	50	6.6	0
11/11/2022 19:50	3.2	264	46	6.2	0
11/11/2022 20:00	2.7	263	62	5	0
11/11/2022 20:10	3.5	257	31	8.3	0
11/11/2022 20:20	3	267	36	6.1	0
11/11/2022 20:30	3.1	255	39	5.9	0
11/11/2022 20:40	3	251	45	5.9	0
11/11/2022 20:50	3.1	256	48	5.7	0
11/11/2022 21:00	3.2	254	34	6.1	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/11/2022 21:10	2.6	253	51	5.5	0
11/11/2022 21:20	2.8	260	55	5.9	0
11/11/2022 21:30	2.1	239	67	4.8	0
11/11/2022 21:40	3.1	251	31	5.7	0
11/11/2022 21:50	2.9	255	40	5.8	0
11/11/2022 22:00	2.9	248	48	5.2	0
11/11/2022 22:10	2.7	254	50	5.2	0
11/11/2022 22:20	2.8	261	42	4.7	0
11/11/2022 22:30	3.2	256	34	5.2	0
11/11/2022 22:40	2.7	262	38	5.1	0
11/11/2022 22:50	2.5	260	47	4.5	0
11/11/2022 23:00	2.8	262	36	5.1	0
11/11/2022 23:10	2.5	257	47	5	0
11/11/2022 23:20	2.2	249	55	5.5	0
11/11/2022 23:30	2.7	272	28	4.7	0
11/11/2022 23:40	2.1	243	56	3.9	0
11/11/2022 23:50	2.7	248	40	4.9	0
12/11/2022 00:00	3	262	44	5.6	0
12/11/2022 00:10	2.2	249	50	5.3	0
12/11/2022 00:20	1.9	262	49	3.6	0
12/11/2022 00:30	2.2	257	52	4.6	0
12/11/2022 00:40	2	247	60	3.7	0
12/11/2022 00:50	1.9	270	70	4	0
12/11/2022 01:00	1.7	260	64	2.8	0
12/11/2022 01:10	1.6	230	74	3.6	0
12/11/2022 01:20	2.1	246	45	4.3	0
12/11/2022 01:30	2.4	252	38	4.1	0
12/11/2022 01:40	2.1	251	50	3.9	0
12/11/2022 01:50	2.2	260	47	4	0
12/11/2022 02:00	2	244	37	3.3	0
12/11/2022 02:10	1.9	241	61	4	0
12/11/2022 02:20	1.8	244	57	3.5	0
12/11/2022 02:30	1.8	260	53	4.2	0
12/11/2022 02:40	1.7	265	46	3.4	0
12/11/2022 02:50	1.5	226	56	3.1	0
12/11/2022 03:00	1.5	263	45	2.8	0
12/11/2022 03:10	1.5	241	55	2.9	0
12/11/2022 03:20	1.6	265	32	2.9	0
12/11/2022 03:30	1.9	272	25	3.1	0
12/11/2022 03:40	1.9	263	27	3.6	0
12/11/2022 03:50	1.8	267	25	3.3	0
12/11/2022 04:00	1.5	259	30	2.4	0
12/11/2022 04:10	1.6	266	24	2.9	0
12/11/2022 04:20	1.2	250	44	2.8	0
12/11/2022 04:30	2.2	251	28	3.5	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/11/2022 04:40	2.1	254	25	3.6	0
12/11/2022 04:50	2.3	255	27	4	0
12/11/2022 05:00	2.6	250	22	3.9	0
12/11/2022 05:10	3.1	247	18	5	0
12/11/2022 05:20	3.2	248	20	5.2	0
12/11/2022 05:30	2.3	241	29	3.7	0
12/11/2022 05:40	2.5	234	25	4.3	0
12/11/2022 05:50	2.2	243	27	3.7	0
12/11/2022 06:00	2.3	229	29	4.6	0
12/11/2022 06:10	2.1	234	42	3.5	0
12/11/2022 06:20	1.7	230	47	3.5	0
12/11/2022 06:30	2.7	213	33	4.3	0
12/11/2022 06:40	3.1	207	26	4.4	0
12/11/2022 06:50	3.4	202	14	4.9	0
12/11/2022 07:00	3.9	204	14	5.2	0
12/11/2022 07:10	4.1	203	12	6.3	0
12/11/2022 07:20	4.4	203	12	5.9	0
12/11/2022 07:30	4.7	200	11	6.4	0
12/11/2022 07:40	4.8	198	10	6.4	0
12/11/2022 07:50	5.1	193	10	6.9	0
12/11/2022 08:00	5.1	184	13	7.3	0
12/11/2022 08:10	4.7	186	12	6.8	0
12/11/2022 08:20	4.6	194	11	6.4	0
12/11/2022 08:30	3.8	193	15	5.6	0
12/11/2022 08:40	3.2	191	16	4.4	0
12/11/2022 08:50	3.3	184	14	4.8	0
12/11/2022 09:00	3.1	183	14	4.4	0
12/11/2022 09:10	2.7	172	24	4.4	0
12/11/2022 09:20	2.7	172	19	4.2	0
12/11/2022 09:30	2.5	178	22	4	0
12/11/2022 09:40	2.6	152	23	3.6	0
12/11/2022 09:50	2.4	140	21	3.6	0
12/11/2022 10:00	1.9	154	30	2.9	0
12/11/2022 10:10	1.9	106	24	2.9	0
12/11/2022 10:20	2.1	119	21	3	0
12/11/2022 10:30	3	74	15	3.8	0
12/11/2022 10:40	3	54	9	3.5	0
12/11/2022 10:50	2.3	64	13	3.1	0
12/11/2022 11:00	2.3	57	13	3	0
12/11/2022 11:10	2.3	55	15	2.9	0
12/11/2022 11:20	2.2	48	18	2.8	0
12/11/2022 11:30	2.3	45	21	3.1	0
12/11/2022 11:40	2.8	57	17	3.8	0
12/11/2022 11:50	2.9	113	35	4.8	0
12/11/2022 12:00	3	212	49	5.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/11/2022 12:10	2.9	303	36	5.2	0
12/11/2022 12:20	3.2	315	25	5.1	0
12/11/2022 12:30	3.6	317	27	5.6	0
12/11/2022 12:40	3.7	319	21	6.4	0
12/11/2022 12:50	4.9	332	13	6.5	0
12/11/2022 13:00	4.5	327	18	6.8	0
12/11/2022 13:10	5.3	333	16	7.2	0
12/11/2022 13:20	4.3	315	19	6.6	0
12/11/2022 13:30	4.8	319	18	7.2	0
12/11/2022 13:40	4.9	315	17	7.3	0
12/11/2022 13:50	5.1	319	19	7.6	0
12/11/2022 14:00	4.3	319	25	6.7	0
12/11/2022 14:10	4.9	325	16	7.6	0
12/11/2022 14:20	4.3	314	22	6.8	0
12/11/2022 14:30	4.4	304	21	7.1	0
12/11/2022 14:40	4.5	312	22	6.6	0
12/11/2022 14:50	5.4	300	18	7.9	0
12/11/2022 15:00	6	302	18	8.8	0
12/11/2022 15:10	5.6	306	16	7.6	0
12/11/2022 15:20	5.2	309	17	8.1	0
12/11/2022 15:30	5.8	304	16	7.9	0
12/11/2022 15:40	5.2	306	16	7.6	0
12/11/2022 15:50	4.9	306	21	7.6	0
12/11/2022 16:00	6.4	300	13	8.9	0
12/11/2022 16:10	5.2	304	18	7.9	0
12/11/2022 16:20	4.3	299	21	6.4	0
12/11/2022 16:30	5	302	19	7.4	0
12/11/2022 16:40	5.8	300	15	8.1	0
12/11/2022 16:50	6	302	16	8.9	0
12/11/2022 17:00	5.6	305	16	7.9	0
12/11/2022 17:10	4.6	300	22	7.3	0
12/11/2022 17:20	4.3	282	25	7.2	0
12/11/2022 17:30	4.2	273	23	6.6	0
12/11/2022 17:40	3.2	271	26	5.9	0
12/11/2022 17:50	4.5	268	24	7.4	0
12/11/2022 18:00	4.1	267	23	6.8	0
12/11/2022 18:10	4.1	274	22	6.9	0
12/11/2022 18:20	4.8	263	24	7.6	0
12/11/2022 18:30	4.4	266	23	6.8	0
12/11/2022 18:40	3.9	268	23	6	0
12/11/2022 18:50	4.1	273	23	6.6	0
12/11/2022 19:00	4	272	29	7.1	0
12/11/2022 19:10	4.1	275	18	6.8	0
12/11/2022 19:20	3.8	271	32	6	0
12/11/2022 19:30	4.1	267	23	6.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/11/2022 19:40	3.3	270	39	5.7	0
12/11/2022 19:50	4.2	272	27	6.5	0
12/11/2022 20:00	4.2	269	24	7.2	0
12/11/2022 20:10	4	272	26	6.7	0
12/11/2022 20:20	4.1	265	27	6.2	0
12/11/2022 20:30	3.8	271	27	6.3	0
12/11/2022 20:40	4	266	24	6.2	0
12/11/2022 20:50	3.3	264	34	5.6	0
12/11/2022 21:00	4	262	26	6.5	0
12/11/2022 21:10	3.2	266	37	5.6	0
12/11/2022 21:20	3.6	265	29	6.4	0
12/11/2022 21:30	3.7	275	27	6.4	0
12/11/2022 21:40	2.9	269	40	5.8	0
12/11/2022 21:50	3.1	265	37	5.3	0
12/11/2022 22:00	3.7	272	25	5.7	0
12/11/2022 22:10	3.2	269	28	6.3	0
12/11/2022 22:20	3.3	274	26	6.7	0
12/11/2022 22:30	3.2	270	27	6	0
12/11/2022 22:40	3.7	275	20	6	0
12/11/2022 22:50	3.6	276	30	6.3	0
12/11/2022 23:00	3.8	276	21	6.4	0
12/11/2022 23:10	3.7	269	24	6	0
12/11/2022 23:20	3.4	277	24	5.7	0
12/11/2022 23:30	2.8	274	29	4.7	0
12/11/2022 23:40	3.4	277	24	5.8	0
12/11/2022 23:50	3.2	273	27	5.6	0
13/11/2022 00:00	3.5	274	27	5.3	0
13/11/2022 00:10	2.6	267	36	5.6	0
13/11/2022 00:20	2.9	273	36	4.9	0
13/11/2022 00:30	2.1	267	43	3.7	0
13/11/2022 00:40	2.4	265	42	4.5	0
13/11/2022 00:50	2.3	272	24	3.6	0
13/11/2022 01:00	2.4	281	20	3.8	0
13/11/2022 01:10	2.3	274	29	3.8	0
13/11/2022 01:20	2.3	266	36	3.7	0
13/11/2022 01:30	2	271	32	3.7	0
13/11/2022 01:40	2	271	30	3.6	0
13/11/2022 01:50	2	268	23	3.2	0
13/11/2022 02:00	1.7	262	39	3.1	0
13/11/2022 02:10	1.6	202	36	2.6	0
13/11/2022 02:20	1.3	203	53	2.4	0
13/11/2022 02:30	1.2	214	49	2.9	0
13/11/2022 02:40	1.7	209	30	2.8	0
13/11/2022 02:50	1.3	252	32	2.3	0
13/11/2022 03:00	1.9	263	21	3.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/11/2022 03:10	2.3	270	11	3	0
13/11/2022 03:20	2	277	9	2.6	0
13/11/2022 03:30	2.1	280	10	2.5	0
13/11/2022 03:40	2.4	266	11	3.2	0
13/11/2022 03:50	2.2	271	12	3.2	0
13/11/2022 04:00	2.2	257	19	3.1	0
13/11/2022 04:10	2.5	236	22	4	0
13/11/2022 04:20	2.9	219	22	4.4	0
13/11/2022 04:30	4.1	218	15	5.6	0
13/11/2022 04:40	4.6	211	11	6.1	0
13/11/2022 04:50	4.5	209	13	6.3	0
13/11/2022 05:00	4.4	210	13	5.9	0
13/11/2022 05:10	4.6	208	11	6.7	0
13/11/2022 05:20	4.5	203	12	6	0
13/11/2022 05:30	4.1	202	11	5.6	0
13/11/2022 05:40	3	201	12	3.9	0
13/11/2022 05:50	3.3	202	11	4.4	0
13/11/2022 06:00	3.5	197	12	4.7	0
13/11/2022 06:10	3.4	196	14	5.2	0
13/11/2022 06:20	3.7	199	16	4.8	0
13/11/2022 06:30	3.7	196	13	5.2	0
13/11/2022 06:40	3.8	201	15	5.4	0
13/11/2022 06:50	3.7	197	15	5.2	0
13/11/2022 07:00	2.9	193	18	4.1	0
13/11/2022 07:10	2.6	179	26	4.3	0
13/11/2022 07:20	2.1	176	30	4.1	0
13/11/2022 07:30	2.4	176	27	4.2	0
13/11/2022 07:40	2.2	164	29	4.7	0
13/11/2022 07:50	3	150	25	4.6	0
13/11/2022 08:00	2.5	139	27	4.4	0
13/11/2022 08:10	2.8	125	31	5.3	0
13/11/2022 08:20	2.7	113	31	5.2	0
13/11/2022 08:30	2.7	107	30	4.7	0
13/11/2022 08:40	2.8	104	26	4.5	0
13/11/2022 08:50	2.8	88	24	4.4	0
13/11/2022 09:00	3.9	86	23	6	0
13/11/2022 09:10	3.4	95	24	5.9	0
13/11/2022 09:20	3.9	81	17	5.8	0
13/11/2022 09:30	4.6	82	15	6.7	0
13/11/2022 09:40	5.2	80	15	7.9	0
13/11/2022 09:50	3.8	86	19	6.3	0
13/11/2022 10:00	3.5	75	16	4.8	0
13/11/2022 10:10	3.2	61	14	4.2	0
13/11/2022 10:20	3.2	60	13	4.4	0
13/11/2022 10:30	3.3	55	15	4.5	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/11/2022 10:40	3.7	53	14	4.8	0
13/11/2022 10:50	4.2	48	13	5.6	0
13/11/2022 11:00	4.6	40	12	5.9	0
13/11/2022 11:10	4.6	42	14	6.9	0
13/11/2022 11:20	4.7	42	13	6.4	0
13/11/2022 11:30	4.6	41	13	6.6	0
13/11/2022 11:40	5	43	14	6.4	0
13/11/2022 11:50	5	42	13	6.9	0
13/11/2022 12:00	5	42	14	7.2	0
13/11/2022 12:10	5.4	35	14	7.4	0
13/11/2022 12:20	5.4	37	11	6.8	0
13/11/2022 12:30	5.2	36	13	7	0
13/11/2022 12:40	5.1	38	13	7.3	0
13/11/2022 12:50	5	38	14	6.8	0
13/11/2022 13:00	4.9	41	13	6.8	0
13/11/2022 13:10	5.4	45	12	7.1	0
13/11/2022 13:20	5.6	45	11	7.8	0
13/11/2022 13:30	5.5	45	11	7.2	0
13/11/2022 13:40	5.2	48	13	6.8	0
13/11/2022 13:50	5	49	13	6.6	0
13/11/2022 14:00	5.1	44	13	7.2	0
13/11/2022 14:10	5.4	41	13	7.1	0
13/11/2022 14:20	5.1	48	10	6.9	0
13/11/2022 14:30	5.3	46	12	7.2	0
13/11/2022 14:40	5.2	44	12	7.2	0
13/11/2022 14:50	4.9	47	13	6.7	0
13/11/2022 15:00	5.2	44	13	7	0
13/11/2022 15:10	5	44	13	6.7	0
13/11/2022 15:20	4.7	42	14	6.4	0
13/11/2022 15:30	4.9	37	14	6.9	0
13/11/2022 15:40	5.1	39	14	7.5	0
13/11/2022 15:50	4.9	41	15	7.2	0
13/11/2022 16:00	4.8	52	12	6.4	0
13/11/2022 16:10	4.2	49	13	5.9	0
13/11/2022 16:20	3.7	54	13	5	0
13/11/2022 16:30	3.1	54	15	4.2	0
13/11/2022 16:40	4.6	355	20	6.7	0
13/11/2022 16:50	4.3	172	15	6	0
13/11/2022 17:00	4.3	335	11	6.2	0
13/11/2022 17:10	4.1	344	14	5.6	0
13/11/2022 17:20	3.6	331	16	4.9	0
13/11/2022 17:30	3.4	348	16	4.8	0
13/11/2022 17:40	3.8	345	15	5.5	0
13/11/2022 17:50	3.5	326	17	5.5	0
13/11/2022 18:00	3.9	294	20	6.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/11/2022 18:10	3.5	302	24	6.3	0
13/11/2022 18:20	3.5	290	19	6.1	0
13/11/2022 18:30	3	282	21	4.6	0
13/11/2022 18:40	3	292	23	4.7	0
13/11/2022 18:50	3.3	302	19	4.8	0
13/11/2022 19:00	3	289	21	4.5	0
13/11/2022 19:10	2.4	282	24	3.8	0
13/11/2022 19:20	2.2	282	22	3.5	0
13/11/2022 19:30	2.1	276	23	3.3	0
13/11/2022 19:40	1.9	280	30	3.1	0
13/11/2022 19:50	2.3	277	25	3.5	0
13/11/2022 20:00	2.1	276	21	3.2	0
13/11/2022 20:10	1.8	270	24	3.2	0
13/11/2022 20:20	1.3	265	53	2.1	0
13/11/2022 20:30	1.5	281	28	2.4	0
13/11/2022 20:40	1.6	303	20	2.4	0
13/11/2022 20:50	1.6	309	15	2.3	0
13/11/2022 21:00	1.3	308	19	1.9	0
13/11/2022 21:10	1.3	282	28	2.1	0
13/11/2022 21:20	1.1	277	30	2	0
13/11/2022 21:30	1.5	303	19	2.1	0
13/11/2022 21:40	1.2	301	20	1.9	0
13/11/2022 21:50	1.2	302	23	1.9	0
13/11/2022 22:00	1.5	288	20	2.1	0
13/11/2022 22:10	1.4	279	25	2.3	0
13/11/2022 22:20	1.6	274	19	2.5	0
13/11/2022 22:30	1.9	279	16	2.5	0
13/11/2022 22:40	1.9	268	20	3.1	0
13/11/2022 22:50	1.6	274	23	2.6	0
13/11/2022 23:00	1.8	286	15	2.6	0
13/11/2022 23:10	1.5	295	27	2.2	0
13/11/2022 23:20	1.4	302	18	2	0
13/11/2022 23:30	2	289	10	2.4	0
13/11/2022 23:40	1.6	294	24	2.4	0
13/11/2022 23:50	0.9	294	44	1.9	0
14/11/2022 00:00	1.3	282	43	2.4	0
14/11/2022 00:10	1.9	304	11	2.3	0
14/11/2022 00:20	1.4	280	15	1.9	0
14/11/2022 00:30	1.1	272	29	1.8	0
14/11/2022 00:40	1.4	287	21	2.1	0
14/11/2022 00:50	0.4	306	65	1	0
14/11/2022 01:00	0.7	208	64	1.2	0
14/11/2022 01:10	0.6	194	62	1.2	0
14/11/2022 01:20	0.5	194	36	0.9	0
14/11/2022 01:30	0.5	293	29	1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/11/2022 01:40	0.7	322	27	1.1	0
14/11/2022 01:50	0.7	289	20	1.2	0
14/11/2022 02:00	1.1	249	23	1.6	0
14/11/2022 02:10	1.1	240	24	1.9	0
14/11/2022 02:20	1.4	255	24	2.3	0
14/11/2022 02:30	0.3	192	22	0.9	0
14/11/2022 02:40	0.9	207	25	1.3	0
14/11/2022 02:50	0.7	249	39	1.2	0
14/11/2022 03:00	0.9	235	34	1.3	0
14/11/2022 03:10	1.1	256	34	1.8	0
14/11/2022 03:20	1.1	265	20	1.7	0
14/11/2022 03:30	1.3	241	31	2	0
14/11/2022 03:40	1.2	230	34	2.2	0
14/11/2022 03:50	1.1	208	31	2	0
14/11/2022 04:00	1.1	214	26	1.6	0
14/11/2022 04:10	0.8	210	29	1.2	0
14/11/2022 04:20	1.4	199	14	2	0
14/11/2022 04:30	1.1	292	26	1.7	0
14/11/2022 04:40	1.2	258	16	1.6	0
14/11/2022 04:50	1.2	257	18	1.7	0
14/11/2022 05:00	1	296	11	1.3	0
14/11/2022 05:10	1.1	301	15	1.6	0
14/11/2022 05:20	1.4	280	19	2	0
14/11/2022 05:30	1.2	285	14	1.6	0
14/11/2022 05:40	1.5	259	12	2.1	0
14/11/2022 05:50	1.3	256	16	1.7	0
14/11/2022 06:00	1.4	263	21	2	0
14/11/2022 06:10	1.3	264	18	1.7	0
14/11/2022 06:20	1.5	269	19	2.1	0
14/11/2022 06:30	1.3	276	19	1.8	0
14/11/2022 06:40	1.1	258	19	1.9	0
14/11/2022 06:50	2	312	24	3.4	0
14/11/2022 07:00	2.2	337	12	3.2	0
14/11/2022 07:10	1.6	317	29	2.4	0
14/11/2022 07:20	1.3	145	47	2.1	0
14/11/2022 07:30	1	189	74	1.9	0
14/11/2022 07:40	1.8	61	18	2.4	0
14/11/2022 07:50	2.1	69	16	2.6	0
14/11/2022 08:00	2.5	96	20	3.3	0
14/11/2022 08:10	2.8	77	11	3.6	0
14/11/2022 08:20	2.8	80	10	3.7	0
14/11/2022 08:30	2.9	77	12	3.8	0
14/11/2022 08:40	3.1	79	12	4.1	0
14/11/2022 08:50	2.9	78	16	3.8	0
14/11/2022 09:00	2.7	91	17	3.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/11/2022 09:10	2.7	72	20	3.7	0
14/11/2022 09:20	3	59	15	3.9	0
14/11/2022 09:30	3.4	52	9	4.3	0
14/11/2022 09:40	3.2	60	16	4.2	0
14/11/2022 09:50	3.3	57	13	4.2	0
14/11/2022 10:00	3.3	58	14	4.3	0
14/11/2022 10:10	3.3	64	14	4.1	0
14/11/2022 10:20	3.3	56	15	4.2	0
14/11/2022 10:30	3.4	56	12	4.8	0
14/11/2022 10:40	3.4	59	12	4.3	0
14/11/2022 10:50	3.4	59	12	4.4	0
14/11/2022 11:00	3.4	61	14	4.7	0
14/11/2022 11:10	3.4	52	16	4.5	0
14/11/2022 11:20	3.6	55	16	4.9	0
14/11/2022 11:30	4.1	59	14	5.2	0
14/11/2022 11:40	4.2	49	14	5.5	0
14/11/2022 11:50	4.3	50	13	5.6	0
14/11/2022 12:00	4.5	50	13	6.2	0
14/11/2022 12:10	4.5	47	14	6.2	0
14/11/2022 12:20	4.2	44	14	6	0
14/11/2022 12:30	4.2	57	14	5.9	0
14/11/2022 12:40	4.2	50	15	5.5	0
14/11/2022 12:50	4.5	46	12	5.9	0
14/11/2022 13:00	4.1	48	15	5.4	0
14/11/2022 13:10	4.2	48	13	5.6	0
14/11/2022 13:20	4.2	48	12	5.6	0
14/11/2022 13:30	4.2	48	11	6	0
14/11/2022 13:40	4.3	51	13	5.8	0
14/11/2022 13:50	4.4	54	14	5.7	0
14/11/2022 14:00	4.4	52	12	5.6	0
14/11/2022 14:10	4	57	14	5.2	0
14/11/2022 14:20	4.1	54	13	5.6	0
14/11/2022 14:30	4.4	54	13	5.7	0
14/11/2022 14:40	4.3	62	12	5.6	0
14/11/2022 14:50	3.8	48	14	5.3	0
14/11/2022 15:00	3.6	33	15	4.9	0
14/11/2022 15:10	3.5	20	34	6.3	0
14/11/2022 15:20	3.6	342	24	5.6	0
14/11/2022 15:30	3.7	350	17	5.2	0
14/11/2022 15:40	4	349	13	5.5	0
14/11/2022 15:50	4.1	344	17	6	0
14/11/2022 16:00	3.6	324	17	5.3	0
14/11/2022 16:10	3.7	334	17	5.6	0
14/11/2022 16:20	3.6	322	20	5.2	0
14/11/2022 16:30	3.7	326	14	5.2	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/11/2022 16:40	3.4	320	21	5	0
14/11/2022 16:50	2.9	322	21	4.4	0
14/11/2022 17:00	2.9	305	17	4.3	0
14/11/2022 17:10	3.6	317	18	5.6	0
14/11/2022 17:20	4	322	15	6	0
14/11/2022 17:30	3.9	320	16	5.7	0
14/11/2022 17:40	4.1	323	17	6	0
14/11/2022 17:50	3.2	315	18	4.8	0
14/11/2022 18:00	2.6	299	23	4.4	0
14/11/2022 18:10	2.7	305	21	4.8	0
14/11/2022 18:20	2.5	296	23	4.2	0
14/11/2022 18:30	2.7	300	26	4	0
14/11/2022 18:40	2.6	284	21	4.4	0
14/11/2022 18:50	3.1	283	20	4.7	0
14/11/2022 19:00	2.4	282	24	4.1	0
14/11/2022 19:10	2.5	289	26	4	0
14/11/2022 19:20	2.6	279	21	4.2	0
14/11/2022 19:30	2.6	276	21	4.2	0
14/11/2022 19:40	2.7	270	20	4.1	0
14/11/2022 19:50	2.4	279	21	4	0
14/11/2022 20:00	2.3	267	19	3.6	0
14/11/2022 20:10	1.9	271	21	3.1	0
14/11/2022 20:20	2.1	272	24	3.1	0
14/11/2022 20:30	2.5	259	23	3.7	0
14/11/2022 20:40	2.2	256	25	3.2	0
14/11/2022 20:50	1.9	258	29	3.1	0
14/11/2022 21:00	2.3	267	19	3.5	0
14/11/2022 21:10	2	271	21	3.2	0
14/11/2022 21:20	2	270	23	2.8	0
14/11/2022 21:30	2.3	270	20	3.5	0
14/11/2022 21:40	2	272	17	3	0
14/11/2022 21:50	2.4	272	20	3.6	0
14/11/2022 22:00	2.5	282	17	4	0
14/11/2022 22:10	2.2	276	23	3.4	0
14/11/2022 22:20	2.7	280	18	4.4	0
14/11/2022 22:30	2.3	281	23	3.8	0
14/11/2022 22:40	2.3	275	21	3.7	0
14/11/2022 22:50	2	277	33	3.6	0
14/11/2022 23:00	2.4	273	36	4	0
14/11/2022 23:10	2.2	271	31	4	0
14/11/2022 23:20	2	273	32	3.7	0
14/11/2022 23:30	2.3	253	32	4.4	0
14/11/2022 23:40	1.6	254	34	3.6	0
14/11/2022 23:50	2	261	35	3.4	0
15/11/2022 00:00	1.5	255	50	3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/11/2022 00:10	1.6	265	47	3	0
15/11/2022 00:20	2.2	278	24	3.6	0
15/11/2022 00:30	1.6	256	36	2.9	0
15/11/2022 00:40	1.4	260	55	3.3	0
15/11/2022 00:50	1.1	285	49	2.7	0
15/11/2022 01:00	1.1	285	62	2.7	0
15/11/2022 01:10	1.7	272	23	3	0
15/11/2022 01:20	1.6	268	33	3.4	0
15/11/2022 01:30	1.5	269	35	2.3	0
15/11/2022 01:40	1.1	203	60	2	0
15/11/2022 01:50	1.2	198	42	2	0
15/11/2022 02:00	1.4	202	40	2.6	0
15/11/2022 02:10	1.1	178	32	1.8	0
15/11/2022 02:20	0.8	192	54	2	0
15/11/2022 02:30	0.7	192	51	1.8	0
15/11/2022 02:40	0.9	197	39	2	0
15/11/2022 02:50	1.3	207	32	2.4	0
15/11/2022 03:00	1.2	196	22	1.9	0
15/11/2022 03:10	0.7	168	31	1.3	0
15/11/2022 03:20	0.9	249	61	1.5	0
15/11/2022 03:30	0.5	230	37	1.6	0
15/11/2022 03:40	0.6	273	23	1.6	0
15/11/2022 03:50	1.1	266	21	1.9	0
15/11/2022 04:00	0.8	277	30	1.8	0
15/11/2022 04:10	0.7	206	38	1.5	0
15/11/2022 04:20	0.8	291	34	1.6	0
15/11/2022 04:30	0.8	268	26	1.6	0
15/11/2022 04:40	0.9	250	29	1.4	0
15/11/2022 04:50	0.5	249	22	1.2	0
15/11/2022 05:00	0.7	253	25	1.4	0
15/11/2022 05:10	1.2	273	19	1.8	0
15/11/2022 05:20	0.4	259	28	1.1	0
15/11/2022 05:30	0.8	277	23	1.4	0
15/11/2022 05:40	0.9	198	30	1.4	0
15/11/2022 05:50	1.4	202	19	2.2	0
15/11/2022 06:00	1.8	196	11	2.5	0
15/11/2022 06:10	1.3	192	19	2	0
15/11/2022 06:20	0.9	179	19	1.3	0
15/11/2022 06:30	0.6	187	19	1.2	0
15/11/2022 06:40	1.1	191	14	1.6	0
15/11/2022 06:50	0.9	298	23	1.4	0
15/11/2022 07:00	1	300	19	1.8	0
15/11/2022 07:10	1.1	13	25	1.6	0
15/11/2022 07:20	1.5	40	16	2	0
15/11/2022 07:30	1.3	49	29	2.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/11/2022 07:40	1.4	102	17	2	0
15/11/2022 07:50	1.3	80	29	1.8	0
15/11/2022 08:00	1.8	89	17	2.6	0
15/11/2022 08:10	1.4	105	14	2	0
15/11/2022 08:20	1.7	76	17	2.5	0
15/11/2022 08:30	2.1	73	27	3.3	0
15/11/2022 08:40	2.5	63	14	3.5	0
15/11/2022 08:50	2.3	80	22	3.4	0
15/11/2022 09:00	2.2	79	18	3.2	0
15/11/2022 09:10	2.3	74	22	3.5	0
15/11/2022 09:20	2.5	73	21	3.6	0
15/11/2022 09:30	2.1	85	23	3.2	0
15/11/2022 09:40	2.4	64	26	3.7	0
15/11/2022 09:50	2.8	63	15	3.8	0
15/11/2022 10:00	2.9	59	17	3.9	0
15/11/2022 10:10	2.7	67	16	4	0
15/11/2022 10:20	2.8	68	15	3.9	0
15/11/2022 10:30	2.7	62	14	3.7	0
15/11/2022 10:40	3.2	64	14	4.3	0
15/11/2022 10:50	3.8	41	17	5.4	0
15/11/2022 11:00	4	38	18	6	0
15/11/2022 11:10	3.8	51	16	5.2	0
15/11/2022 11:20	3.7	40	15	5.2	0
15/11/2022 11:30	4.1	44	14	5.3	0
15/11/2022 11:40	3.8	45	16	5.5	0
15/11/2022 11:50	3.6	21	16	5	0
15/11/2022 12:00	3.3	186	18	4.8	0
15/11/2022 12:10	4	38	17	5.6	0
15/11/2022 12:20	3.8	35	17	5.1	0
15/11/2022 12:30	3.9	32	27	5.9	0
15/11/2022 12:40	3.2	28	17	5.2	0
15/11/2022 12:50	3.9	38	19	5.4	0
15/11/2022 13:00	4.1	343	20	6.4	0
15/11/2022 13:10	4.7	334	13	6.2	0
15/11/2022 13:20	4.4	345	14	5.9	0
15/11/2022 13:30	4.1	347	17	6	0
15/11/2022 13:40	4.9	351	14	6.9	0
15/11/2022 13:50	5	344	15	6.9	0
15/11/2022 14:00	4.9	349	18	6.8	0
15/11/2022 14:10	5.2	353	11	7.2	0
15/11/2022 14:20	5.1	349	17	7.1	0
15/11/2022 14:30	4.8	341	13	7	0
15/11/2022 14:40	4.7	345	14	6.4	0
15/11/2022 14:50	5	347	13	6.6	0
15/11/2022 15:00	4.9	349	19	6.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/11/2022 15:10	4.3	347	18	6	0
15/11/2022 15:20	4.2	331	18	5.9	0
15/11/2022 15:30	4.4	348	15	6.2	0
15/11/2022 15:40	4.2	342	14	5.7	0
15/11/2022 15:50	4.3	328	14	5.9	0
15/11/2022 16:00	4.2	335	18	6	0
15/11/2022 16:10	4.4	326	17	6.1	0
15/11/2022 16:20	4.5	323	18	6.5	0
15/11/2022 16:30	4.4	339	14	6.7	0
15/11/2022 16:40	4	334	18	6.3	0
15/11/2022 16:50	4.3	332	15	6.5	0
15/11/2022 17:00	4.3	335	16	6.3	0
15/11/2022 17:10	4.7	339	13	6.4	0
15/11/2022 17:20	4.1	328	12	6	0
15/11/2022 17:30	4.1	328	17	6	0
15/11/2022 17:40	4.1	320	16	6.1	0
15/11/2022 17:50	3.6	321	18	5	0
15/11/2022 18:00	3.6	321	19	5.1	0
15/11/2022 18:10	3.9	330	20	6.9	0
15/11/2022 18:20	4	327	14	5.5	0
15/11/2022 18:30	4.2	327	14	6	0
15/11/2022 18:40	4	324	15	6.3	0
15/11/2022 18:50	3.7	323	17	5.4	0
15/11/2022 19:00	3.2	319	18	4.8	0
15/11/2022 19:10	3.7	322	16	5.2	0
15/11/2022 19:20	3.4	326	17	4.8	0
15/11/2022 19:30	3.4	322	18	4.8	0
15/11/2022 19:40	3.6	327	15	5.1	0
15/11/2022 19:50	4.1	327	16	5.7	0
15/11/2022 20:00	3.6	322	18	5	0
15/11/2022 20:10	3.3	308	23	5.2	0
15/11/2022 20:20	2.7	299	26	4.8	0
15/11/2022 20:30	3.1	276	20	4.8	0
15/11/2022 20:40	2.6	269	26	4.1	0
15/11/2022 20:50	2.9	271	23	4.5	0
15/11/2022 21:00	2.7	270	21	4.3	0
15/11/2022 21:10	2.7	265	20	4.2	0
15/11/2022 21:20	2.2	277	22	3.3	0
15/11/2022 21:30	2.4	275	25	3.6	0
15/11/2022 21:40	2.5	273	25	4	0
15/11/2022 21:50	2.3	275	20	3.9	0
15/11/2022 22:00	2.4	284	22	3.9	0
15/11/2022 22:10	2.3	273	24	3.5	0
15/11/2022 22:20	2.3	266	41	3.8	0
15/11/2022 22:30	2.2	261	34	4.3	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/11/2022 22:40	2.4	270	24	4	0
15/11/2022 22:50	2.3	269	29	3.7	0
15/11/2022 23:00	2	275	20	3.5	0
15/11/2022 23:10	2.1	275	24	3.2	0
15/11/2022 23:20	2	280	22	3.2	0
15/11/2022 23:30	2	269	27	4	0
15/11/2022 23:40	2.6	270	23	4.3	0
15/11/2022 23:50	2.4	266	22	3.6	0
16/11/2022 00:00	1.8	265	28	3.1	0
16/11/2022 00:10	2.3	270	24	3.6	0
16/11/2022 00:20	1.9	277	24	2.8	0
16/11/2022 00:30	2.4	269	24	3.9	0
16/11/2022 00:40	2.3	253	37	3.8	0
16/11/2022 00:50	2.4	275	23	3.6	0
16/11/2022 01:00	1.7	278	28	2.8	0
16/11/2022 01:10	1.7	262	37	3.3	0
16/11/2022 01:20	2	268	26	3.2	0
16/11/2022 01:30	2.2	266	26	3.7	0
16/11/2022 01:40	1.9	257	28	2.9	0
16/11/2022 01:50	2.2	269	24	3.6	0
16/11/2022 02:00	1.5	267	30	2.9	0
16/11/2022 02:10	1.6	251	40	2.8	0
16/11/2022 02:20	1.6	242	26	2.9	0
16/11/2022 02:30	2.2	269	25	3.6	0
16/11/2022 02:40	1.7	267	26	3.2	0
16/11/2022 02:50	1.4	258	44	2.8	0
16/11/2022 03:00	1.5	246	42	2.8	0
16/11/2022 03:10	1.7	276	27	2.5	0
16/11/2022 03:20	1.9	276	20	3.1	0
16/11/2022 03:30	1.7	266	30	2.8	0
16/11/2022 03:40	1.9	257	37	3.4	0
16/11/2022 03:50	1.6	257	33	2.6	0
16/11/2022 04:00	2	273	24	3.2	0
16/11/2022 04:10	1.3	280	31	2.2	0
16/11/2022 04:20	1.6	260	25	2.7	0
16/11/2022 04:30	1.4	272	29	2.4	0
16/11/2022 04:40	1.6	268	26	2.8	0
16/11/2022 04:50	1.4	256	29	2.8	0
16/11/2022 05:00	1.5	265	28	2.7	0
16/11/2022 05:10	1.4	263	33	2.3	0
16/11/2022 05:20	1.5	268	33	2.3	0
16/11/2022 05:30	1.3	258	35	2.1	0
16/11/2022 05:40	1.1	269	36	1.9	0
16/11/2022 05:50	1.1	276	36	2.4	0
16/11/2022 06:00	1	239	42	1.9	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/11/2022 06:10	1.4	193	31	2.4	0
16/11/2022 06:20	1.4	194	27	2.2	0
16/11/2022 06:30	1.1	205	54	2	0
16/11/2022 06:40	1.2	251	45	1.9	0
16/11/2022 06:50	1.5	282	24	2.4	0
16/11/2022 07:00	1.6	260	40	3.2	0
16/11/2022 07:10	1.9	264	25	2.8	0
16/11/2022 07:20	2	278	20	3.6	0
16/11/2022 07:30	1.7	282	25	2.9	0
16/11/2022 07:40	1.9	275	34	3.5	0
16/11/2022 07:50	2.4	286	21	4.4	0
16/11/2022 08:00	1.9	262	39	3	0
16/11/2022 08:10	2.6	265	24	4.2	0
16/11/2022 08:20	2.4	237	27	3.7	0
16/11/2022 08:30	2.1	247	33	4	0
16/11/2022 08:40	2.4	268	31	4.1	0
16/11/2022 08:50	2.2	238	32	4	0
16/11/2022 09:00	2.6	249	45	4.3	0
16/11/2022 09:10	2.2	252	41	4.1	0
16/11/2022 09:20	2.8	269	27	4.1	0
16/11/2022 09:30	2.2	262	29	3.7	0
16/11/2022 09:40	2.5	249	41	4.4	0
16/11/2022 09:50	2.5	250	38	4.4	0
16/11/2022 10:00	2.9	262	25	5.2	0
16/11/2022 10:10	3.1	272	20	5.1	0
16/11/2022 10:20	2.9	260	35	4.8	0
16/11/2022 10:30	2.4	267	36	4.5	0
16/11/2022 10:40	2.7	278	39	4.9	0
16/11/2022 10:50	3	305	39	4.7	0
16/11/2022 11:00	3.6	296	25	5.8	0
16/11/2022 11:10	3.2	289	29	5.6	0
16/11/2022 11:20	3.1	279	25	5.6	0
16/11/2022 11:30	3.4	295	24	5.2	0
16/11/2022 11:40	3.4	321	28	5.7	0
16/11/2022 11:50	4.2	324	23	6.2	0
16/11/2022 12:00	4.3	330	23	6.5	0
16/11/2022 12:10	4.3	324	22	6.7	0
16/11/2022 12:20	3.8	303	18	6.8	0
16/11/2022 12:30	3.4	309	25	5.5	0
16/11/2022 12:40	3.9	323	22	6.2	0
16/11/2022 12:50	3.6	304	24	6.1	0
16/11/2022 13:00	3.9	287	22	6	0
16/11/2022 13:10	3.7	311	25	6.9	0
16/11/2022 13:20	4.2	312	26	6.8	0
16/11/2022 13:30	4.3	323	25	7.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/11/2022 13:40	3.9	302	27	6.1	0
16/11/2022 13:50	4.5	318	21	7	0
16/11/2022 14:00	4.1	303	29	6.5	0
16/11/2022 14:10	3.8	301	23	7.2	0
16/11/2022 14:20	4	295	24	6.5	0
16/11/2022 14:30	3.9	294	27	6.6	0
16/11/2022 14:40	3.9	291	22	6.2	0
16/11/2022 14:50	3.9	276	19	6.5	0
16/11/2022 15:00	3.8	284	24	6.2	0
16/11/2022 15:10	4.2	280	29	6.9	0
16/11/2022 15:20	4.1	271	25	6.4	0
16/11/2022 15:30	4.1	292	25	6.1	0
16/11/2022 15:40	4.2	279	21	6.7	0
16/11/2022 15:50	4.1	294	23	6.3	0
16/11/2022 16:00	4.2	292	23	6.3	0
16/11/2022 16:10	3.9	290	26	6.3	0
16/11/2022 16:20	4.3	289	25	6.7	0
16/11/2022 16:30	4	283	26	6.4	0
16/11/2022 16:40	4.1	289	28	6.9	0
16/11/2022 16:50	3.9	290	25	5.6	0
16/11/2022 17:00	3.8	290	23	6.2	0
16/11/2022 17:10	4.1	297	23	6.5	0
16/11/2022 17:20	4.2	301	19	6.8	0
16/11/2022 17:30	3.8	289	23	6	0
16/11/2022 17:40	3.9	296	24	6.4	0
16/11/2022 17:50	3.1	277	23	5.2	0
16/11/2022 18:00	3.4	286	22	5.5	0
16/11/2022 18:10	3.4	294	22	4.9	0
16/11/2022 18:20	3.4	294	23	5.6	0
16/11/2022 18:30	3	286	25	4.8	0
16/11/2022 18:40	2.6	286	28	4.5	0
16/11/2022 18:50	2.8	282	24	4.3	0
16/11/2022 19:00	2.8	284	27	4.5	0
16/11/2022 19:10	3	279	22	5.2	0
16/11/2022 19:20	2.9	268	26	4.3	0
16/11/2022 19:30	2.6	274	22	4.3	0
16/11/2022 19:40	2.7	274	24	4.4	0
16/11/2022 19:50	2.5	275	26	4.5	0
16/11/2022 20:00	3.3	277	23	5.2	0
16/11/2022 20:10	2.6	274	24	4	0
16/11/2022 20:20	2.9	273	24	4.5	0
16/11/2022 20:30	3.1	269	21	5.1	0
16/11/2022 20:40	2.9	269	25	4.6	0
16/11/2022 20:50	3.1	267	25	4.9	0
16/11/2022 21:00	2.3	271	32	3.8	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/11/2022 21:10	2.8	278	23	4.5	0
16/11/2022 21:20	2.9	275	24	5.3	0
16/11/2022 21:30	2.7	271	28	4.5	0
16/11/2022 21:40	2.7	265	34	4.6	0
16/11/2022 21:50	2.3	263	42	4	0
16/11/2022 22:00	2.5	276	21	4	0
16/11/2022 22:10	2.4	277	21	3.7	0
16/11/2022 22:20	2.7	273	25	4.4	0
16/11/2022 22:30	2.5	270	32	4.4	0
16/11/2022 22:40	2.6	267	41	4.7	0
16/11/2022 22:50	2.2	273	32	3.7	0
16/11/2022 23:00	1.8	276	45	3.1	0
16/11/2022 23:10	1.8	272	39	3.2	0
16/11/2022 23:20	2.1	278	25	3.3	0
16/11/2022 23:30	1.5	248	52	3	0
16/11/2022 23:40	1.9	255	57	3.4	0
16/11/2022 23:50	1.7	280	47	3	0
17/11/2022 00:00	1.9	267	41	3.2	0
17/11/2022 00:10	2.1	268	42	3.9	0
17/11/2022 00:20	1.9	264	47	3.2	0
17/11/2022 00:30	2	273	39	4.1	0
17/11/2022 00:40	1.8	226	65	3.6	0
17/11/2022 00:50	1.6	240	57	2.8	0
17/11/2022 01:00	1.6	252	43	3.6	0
17/11/2022 01:10	1.4	253	47	2.3	0
17/11/2022 01:20	1.9	269	40	3.3	0
17/11/2022 01:30	1.5	278	46	3.6	0
17/11/2022 01:40	1.5	261	40	3.6	0
17/11/2022 01:50	1.7	255	45	3.1	0
17/11/2022 02:00	1.8	261	42	3.5	0
17/11/2022 02:10	2.1	287	44	3.9	0
17/11/2022 02:20	2.4	270	36	4.7	0
17/11/2022 02:30	2.4	264	40	5.1	0
17/11/2022 02:40	2.5	269	35	4.4	0
17/11/2022 02:50	1.7	263	42	2.9	0
17/11/2022 03:00	1.5	239	47	2.4	0
17/11/2022 03:10	1.2	245	65	2.4	0
17/11/2022 03:20	1.4	271	42	2.5	0
17/11/2022 03:30	1.1	242	66	1.9	0
17/11/2022 03:40	1.6	194	36	2.5	0
17/11/2022 03:50	0.7	172	35	1.5	0
17/11/2022 04:00	1	260	77	2.6	0
17/11/2022 04:10	1.4	218	53	2.4	0
17/11/2022 04:20	1.4	258	55	2.8	0
17/11/2022 04:30	1.1	220	58	2.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/11/2022 04:40	1.4	199	33	2.5	0
17/11/2022 04:50	1.1	199	34	2.2	0
17/11/2022 05:00	1.2	190	38	2.4	0
17/11/2022 05:10	1.7	192	20	2.7	0
17/11/2022 05:20	1.3	199	47	2.4	0
17/11/2022 05:30	1.4	227	66	2.9	0
17/11/2022 05:40	1.5	231	46	2.7	0
17/11/2022 05:50	1.5	230	48	3.5	0
17/11/2022 06:00	2.1	256	45	4	0
17/11/2022 06:10	2.5	261	30	4.7	0
17/11/2022 06:20	2.2	267	30	3.9	0
17/11/2022 06:30	1.4	281	48	2.5	0
17/11/2022 06:40	1.6	236	49	2.8	0
17/11/2022 06:50	2.2	252	45	3.9	0
17/11/2022 07:00	2.6	252	39	4.2	0
17/11/2022 07:10	2.1	263	52	3.8	0
17/11/2022 07:20	2.4	259	34	3.6	0
17/11/2022 07:30	2.2	254	48	4.4	0
17/11/2022 07:40	2.9	279	23	4.7	0
17/11/2022 07:50	2.7	252	33	4.9	0
17/11/2022 08:00	1.6	230	41	3.2	0
17/11/2022 08:10	2.8	278	33	4.4	0
17/11/2022 08:20	2.6	272	26	4.7	0
17/11/2022 08:30	2.7	267	29	4.9	0
17/11/2022 08:40	2.5	273	32	4.3	0
17/11/2022 08:50	2.5	257	34	4.2	0
17/11/2022 09:00	1.8	246	43	3.5	0
17/11/2022 09:10	2.7	217	41	4.5	0
17/11/2022 09:20	2.4	247	43	4.4	0
17/11/2022 09:30	3.1	273	24	4.9	0
17/11/2022 09:40	3.1	279	29	5.3	0
17/11/2022 09:50	3.4	278	22	5.6	0
17/11/2022 10:00	3.2	264	43	6	0
17/11/2022 10:10	3.9	294	25	6.6	0
17/11/2022 10:20	3.8	288	29	5.4	0
17/11/2022 10:30	4.1	293	27	6.4	0
17/11/2022 10:40	4.2	283	25	6.5	0
17/11/2022 10:50	4.2	299	23	7	0
17/11/2022 11:00	3.7	291	26	6.3	0
17/11/2022 11:10	3.9	292	30	6.5	0
17/11/2022 11:20	4.5	288	23	7.8	0
17/11/2022 11:30	4.7	285	26	7.8	0
17/11/2022 11:40	4.2	274	23	6.7	0
17/11/2022 11:50	4.6	282	27	7.4	0
17/11/2022 12:00	4.8	277	23	7.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/11/2022 12:10	4.7	274	21	7.2	0
17/11/2022 12:20	4.8	279	25	6.8	0
17/11/2022 12:30	4.9	286	25	7.8	0
17/11/2022 12:40	4.6	280	21	6.9	0
17/11/2022 12:50	4.7	275	26	7.8	0
17/11/2022 13:00	4.7	269	25	7.2	0
17/11/2022 13:10	5	283	23	7.6	0
17/11/2022 13:20	4.6	273	21	7.2	0
17/11/2022 13:30	4.7	277	25	7.3	0
17/11/2022 13:40	5	276	22	7.6	0
17/11/2022 13:50	5.3	273	21	8	0
17/11/2022 14:00	4.8	280	24	7.2	0
17/11/2022 14:10	4.8	273	20	7.2	0
17/11/2022 14:20	4.1	276	31	7.4	0
17/11/2022 14:30	4.8	271	21	7.7	0
17/11/2022 14:40	4.7	275	26	7.8	0
17/11/2022 14:50	4.2	261	32	6.8	0
17/11/2022 15:00	4.2	269	26	7.7	0
17/11/2022 15:10	4.4	271	31	7.5	0
17/11/2022 15:20	4.6	275	23	7.1	0
17/11/2022 15:30	4.9	272	23	6.9	0
17/11/2022 15:40	4	264	37	6.4	0
17/11/2022 15:50	4.7	277	21	7.5	0
17/11/2022 16:00	4.2	276	25	6.8	0
17/11/2022 16:10	4.9	275	22	6.9	0
17/11/2022 16:20	4.4	271	24	7	0
17/11/2022 16:30	4.6	274	21	7.4	0
17/11/2022 16:40	4.8	267	22	7.8	0
17/11/2022 16:50	4.5	278	23	7.8	0
17/11/2022 17:00	4.7	274	23	7.4	0
17/11/2022 17:10	4.4	271	24	7.5	0
17/11/2022 17:20	4.4	276	26	6.5	0
17/11/2022 17:30	5.1	270	25	7.5	0
17/11/2022 17:40	4.5	274	24	7.4	0
17/11/2022 17:50	4.9	271	25	7.8	0
17/11/2022 18:00	3.7	269	35	6.5	0
17/11/2022 18:10	4.5	272	25	7.2	0
17/11/2022 18:20	4.1	265	26	7.5	0
17/11/2022 18:30	4.7	269	27	7.6	0
17/11/2022 18:40	4.1	259	44	6.8	0
17/11/2022 18:50	3.9	262	44	7	0
17/11/2022 19:00	4.2	270	34	6.9	0
17/11/2022 19:10	4.1	266	37	6.8	0
17/11/2022 19:20	3.5	260	41	7.4	0
17/11/2022 19:30	3.8	257	47	7.9	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/11/2022 19:40	3.8	258	38	7.5	0
17/11/2022 19:50	3.4	258	49	7.4	0
17/11/2022 20:00	3.1	239	45	6.1	0
17/11/2022 20:10	3.5	252	51	6.4	0
17/11/2022 20:20	3.2	238	43	5.5	0
17/11/2022 20:30	2.9	239	52	5.8	0
17/11/2022 20:40	3.2	248	48	6.3	0
17/11/2022 20:50	3.5	255	43	6	0
17/11/2022 21:00	2.5	237	54	6	0
17/11/2022 21:10	3.2	259	51	6.1	0
17/11/2022 21:20	2.9	241	58	6.3	0
17/11/2022 21:30	3.2	252	39	5.6	0
17/11/2022 21:40	3.3	239	50	5.7	0
17/11/2022 21:50	2.6	223	54	5.3	0
17/11/2022 22:00	3.3	253	44	7.6	0
17/11/2022 22:10	3.2	254	48	6.4	0
17/11/2022 22:20	3.6	252	37	6	0
17/11/2022 22:30	3.3	254	38	6.9	0
17/11/2022 22:40	2.7	243	55	5.7	0
17/11/2022 22:50	3.2	254	42	7.2	0
17/11/2022 23:00	3.2	251	42	6.2	0
17/11/2022 23:10	3.3	248	49	6.9	0
17/11/2022 23:20	2.6	236	59	5.7	0
17/11/2022 23:30	3.2	243	51	6.8	0
17/11/2022 23:40	3	243	51	7	0
17/11/2022 23:50	2.7	226	57	6.2	0
18/11/2022 00:00	2.8	227	54	5.5	0
18/11/2022 00:10	2.7	230	60	5.6	0
18/11/2022 00:20	3.2	214	43	5.8	0
18/11/2022 00:30	3.2	218	41	7	0
18/11/2022 00:40	2.7	203	43	5.1	0
18/11/2022 00:50	3.5	220	36	6.3	0
18/11/2022 01:00	2.8	209	58	6.2	0
18/11/2022 01:10	3.1	207	37	5.7	0
18/11/2022 01:20	3	212	48	5.6	0
18/11/2022 01:30	2.7	206	45	4.6	0
18/11/2022 01:40	3.5	214	38	7.3	0
18/11/2022 01:50	2.7	212	48	5.6	0
18/11/2022 02:00	3.4	226	44	6.7	0
18/11/2022 02:10	3.4	228	43	6.8	0
18/11/2022 02:20	3.4	209	45	6.7	0
18/11/2022 02:30	3.1	208	42	6	0
18/11/2022 02:40	3.3	203	44	5.9	0
18/11/2022 02:50	3.8	209	33	6.5	0
18/11/2022 03:00	4	213	32	7.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/11/2022 03:10	3.6	216	35	7.9	0
18/11/2022 03:20	3.5	221	39	6.1	0
18/11/2022 03:30	4	210	32	7.7	0
18/11/2022 03:40	4.1	213	29	6.8	0
18/11/2022 03:50	3.8	221	36	6.8	0
18/11/2022 04:00	3.9	220	39	7.4	0
18/11/2022 04:10	3.4	214	38	6	0
18/11/2022 04:20	3	211	45	6	0
18/11/2022 04:30	3.1	205	51	6.6	0
18/11/2022 04:40	3.4	211	34	6.3	0
18/11/2022 04:50	2.8	215	47	5.9	0
18/11/2022 05:00	2.9	202	39	5.9	0
18/11/2022 05:10	3.3	212	36	6.2	0
18/11/2022 05:20	3.7	221	33	7	0
18/11/2022 05:30	2.9	223	33	5.9	0
18/11/2022 05:40	2.7	207	40	5.2	0
18/11/2022 05:50	2.7	207	38	5.8	0
18/11/2022 06:00	3	218	39	6.7	0
18/11/2022 06:10	2.9	215	41	5.4	0
18/11/2022 06:20	3.4	225	32	5.7	0
18/11/2022 06:30	3	228	30	4.9	0
18/11/2022 06:40	3.2	214	32	5.7	0
18/11/2022 06:50	3.3	221	28	6.2	0
18/11/2022 07:00	3.7	217	27	6	0
18/11/2022 07:10	3.8	208	32	6.7	0
18/11/2022 07:20	3.7	203	28	6.5	0
18/11/2022 07:30	3.8	207	25	6	0
18/11/2022 07:40	4	206	26	7.5	0
18/11/2022 07:50	4	204	22	6.3	0
18/11/2022 08:00	4	203	27	7.2	0
18/11/2022 08:10	3.7	208	28	5.9	0
18/11/2022 08:20	4.1	207	20	6.2	0
18/11/2022 08:30	3.7	213	29	7.1	0
18/11/2022 08:40	4.5	198	20	7.9	0
18/11/2022 08:50	3.9	212	30	6.4	0
18/11/2022 09:00	3.9	215	31	6.4	0
18/11/2022 09:10	4.4	202	21	7.3	0
18/11/2022 09:20	3.9	214	28	7.5	0
18/11/2022 09:30	4.2	199	28	7.1	0
18/11/2022 09:40	3.6	222	42	6.9	0
18/11/2022 09:50	4.5	212	26	7.4	0
18/11/2022 10:00	3.4	212	32	6.8	0
18/11/2022 10:10	3.3	209	36	5.9	0
18/11/2022 10:20	3.7	209	33	6.5	0
18/11/2022 10:30	2.9	249	38	6	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/11/2022 10:40	3.2	230	34	5.7	0
18/11/2022 10:50	2.9	235	41	4.9	0
18/11/2022 11:00	2.5	243	46	4.5	0
18/11/2022 11:10	3.5	226	39	6.2	0
18/11/2022 11:20	3.8	275	40	7.4	0
18/11/2022 11:30	3.6	258	36	6	0
18/11/2022 11:40	4.3	277	30	7.1	0
18/11/2022 11:50	3.9	272	37	7	0
18/11/2022 12:00	4.4	261	30	7.4	0
18/11/2022 12:10	4.5	279	27	8.3	0
18/11/2022 12:20	5	279	23	8.1	0
18/11/2022 12:30	4.3	284	25	7.4	0
18/11/2022 12:40	4.7	276	23	7.9	0
18/11/2022 12:50	4.7	280	24	7.2	0
18/11/2022 13:00	5.2	271	24	7.9	0
18/11/2022 13:10	5.6	282	21	8.3	0
18/11/2022 13:20	5.6	280	22	7.9	0
18/11/2022 13:30	5.4	274	21	8.8	0
18/11/2022 13:40	4.7	273	27	7.4	0
18/11/2022 13:50	5.3	280	25	9.2	0
18/11/2022 14:00	5.2	286	23	8.3	0
18/11/2022 14:10	4.8	277	23	8.3	0
18/11/2022 14:20	5.3	276	25	8.7	0
18/11/2022 14:30	5.3	272	20	8.4	0
18/11/2022 14:40	5.3	272	25	9.1	0
18/11/2022 14:50	5.5	272	20	8.7	0
18/11/2022 15:00	5	271	24	7.7	0
18/11/2022 15:10	5	274	20	8.2	0
18/11/2022 15:20	4.7	269	28	7.7	0
18/11/2022 15:30	4.3	269	30	6.9	0
18/11/2022 15:40	4.8	269	26	7.9	0
18/11/2022 15:50	5	276	30	8.2	0
18/11/2022 16:00	5.1	277	24	7.6	0
18/11/2022 16:10	5.1	266	24	8.1	0
18/11/2022 16:20	5.4	274	22	8.5	0
18/11/2022 16:30	4.1	268	32	7	0
18/11/2022 16:40	4.4	270	32	7.8	0
18/11/2022 16:50	5.2	270	25	7.6	0
18/11/2022 17:00	5.3	273	23	8.4	0
18/11/2022 17:10	5.2	270	28	8.3	0
18/11/2022 17:20	5.1	263	26	8.7	0
18/11/2022 17:30	4.6	271	31	8.4	0
18/11/2022 17:40	3.7	258	40	7.3	0
18/11/2022 17:50	4.4	268	36	8.2	0
18/11/2022 18:00	4	258	36	7.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/11/2022 18:10	3.7	264	32	7.5	0
18/11/2022 18:20	3.6	243	50	7.1	0
18/11/2022 18:30	3.3	252	48	6.2	0
18/11/2022 18:40	3.5	267	36	7.2	0
18/11/2022 18:50	2.6	261	66	5.7	0
18/11/2022 19:00	3.1	259	51	6.4	0
18/11/2022 19:10	2.9	258	53	5.6	0
18/11/2022 19:20	2.8	247	59	5.6	0
18/11/2022 19:30	3.2	253	47	6.8	0
18/11/2022 19:40	3	245	41	6.1	0
18/11/2022 19:50	3.5	257	40	6.4	0
18/11/2022 20:00	3.1	231	40	6.2	0
18/11/2022 20:10	3.4	244	40	5.7	0
18/11/2022 20:20	2.3	225	65	5.2	0
18/11/2022 20:30	3.1	247	49	5.9	0
18/11/2022 20:40	3	234	55	6.1	0
18/11/2022 20:50	2.8	238	48	5.6	0
18/11/2022 21:00	3.2	242	41	6.5	0
18/11/2022 21:10	2.9	248	47	5.6	0
18/11/2022 21:20	2.4	239	59	5.2	0
18/11/2022 21:30	2.4	246	51	5	0
18/11/2022 21:40	2.6	234	46	5.8	0
18/11/2022 21:50	2.4	229	51	5.8	0
18/11/2022 22:00	2.3	236	56	4.4	0
18/11/2022 22:10	1.8	238	63	3.9	0
18/11/2022 22:20	1.7	246	66	3.6	0
18/11/2022 22:30	1.8	229	73	3.9	0
18/11/2022 22:40	2.1	245	59	4	0
18/11/2022 22:50	1.7	242	63	3.2	0
18/11/2022 23:00	2.1	243	49	3.5	0
18/11/2022 23:10	1.5	247	68	2.9	0
18/11/2022 23:20	1.7	269	56	3.6	0
18/11/2022 23:30	2.1	272	35	4.3	0
18/11/2022 23:40	1.7	267	54	3.5	0
18/11/2022 23:50	1.3	286	55	2.6	0
19/11/2022 00:00	1.4	280	63	2.4	0
19/11/2022 00:10	1.2	275	61	2.4	0
19/11/2022 00:20	0.9	213	73	2.1	0
19/11/2022 00:30	0.7	87	63	1.6	0
19/11/2022 00:40	0.7	289	49	1.6	0
19/11/2022 00:50	1.1	210	52	2.7	0
19/11/2022 01:00	1.8	210	36	3.1	0
19/11/2022 01:10	1.6	234	44	3.2	0
19/11/2022 01:20	1.7	228	55	3.6	0
19/11/2022 01:30	1.7	240	44	3.3	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/11/2022 01:40	1.8	238	40	3.7	0
19/11/2022 01:50	1.3	220	53	2.5	0
19/11/2022 02:00	1.4	223	40	2.2	0
19/11/2022 02:10	1.1	211	52	1.8	0
19/11/2022 02:20	0.8	258	47	1.6	0
19/11/2022 02:30	1.1	245	45	1.9	0
19/11/2022 02:40	1.8	238	33	3.2	0
19/11/2022 02:50	1.4	256	34	2.5	0
19/11/2022 03:00	1.9	243	27	3.9	0
19/11/2022 03:10	1.9	239	29	3	0
19/11/2022 03:20	1.9	232	28	3	0
19/11/2022 03:30	1.7	228	30	3.1	0
19/11/2022 03:40	1.9	242	27	3.3	0
19/11/2022 03:50	1.6	251	37	2.9	0
19/11/2022 04:00	1.9	244	32	3.3	0
19/11/2022 04:10	2	232	37	3.3	0
19/11/2022 04:20	2	235	32	3	0
19/11/2022 04:30	2.1	231	28	3.6	0
19/11/2022 04:40	2.3	241	26	3.9	0
19/11/2022 04:50	2.1	233	28	4.1	0
19/11/2022 05:00	2.3	221	22	3.7	0
19/11/2022 05:10	2.6	214	20	3.9	0
19/11/2022 05:20	2.9	218	20	4.1	0
19/11/2022 05:30	2.7	213	19	4.3	0
19/11/2022 05:40	3.2	210	17	4.5	0
19/11/2022 05:50	3.6	208	16	4.9	0
19/11/2022 06:00	4.1	208	12	5.6	0
19/11/2022 06:10	4.1	206	13	5.2	0
19/11/2022 06:20	4	202	11	5.7	0
19/11/2022 06:30	4	204	13	5.7	0
19/11/2022 06:40	4.4	203	12	6	0
19/11/2022 06:50	4.2	201	13	5.4	0
19/11/2022 07:00	4	198	12	5.6	0
19/11/2022 07:10	3.9	201	12	5.6	0
19/11/2022 07:20	3.7	192	17	5.3	0
19/11/2022 07:30	3.9	191	19	6	0
19/11/2022 07:40	3.6	191	22	6.1	0
19/11/2022 07:50	3.3	192	22	5.1	0
19/11/2022 08:00	2.8	184	24	5.1	0
19/11/2022 08:10	2.4	136	30	4	0
19/11/2022 08:20	2.4	140	31	4.3	0
19/11/2022 08:30	2.4	125	26	3.7	0
19/11/2022 08:40	3	118	18	4.6	0
19/11/2022 08:50	2.8	118	23	4.5	0
19/11/2022 09:00	2.8	109	16	4.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/11/2022 09:10	3.3	135	22	5.5	0
19/11/2022 09:20	2.8	120	27	5.6	0
19/11/2022 09:30	2.5	113	25	4.3	0
19/11/2022 09:40	2.5	100	22	4.4	0
19/11/2022 09:50	2.6	114	23	3.9	0
19/11/2022 10:00	2.4	111	24	3.5	0
19/11/2022 10:10	2.7	126	22	4	0
19/11/2022 10:20	2.2	114	27	3.5	0
19/11/2022 10:30	2.3	121	24	3.6	0
19/11/2022 10:40	2.2	87	27	3.7	0
19/11/2022 10:50	2.5	58	19	3.2	0
19/11/2022 11:00	2.5	59	17	3.2	0
19/11/2022 11:10	2.9	53	14	3.7	0
19/11/2022 11:20	3.1	53	13	3.9	0
19/11/2022 11:30	3.2	48	15	4.4	0
19/11/2022 11:40	3.3	44	14	4.4	0
19/11/2022 11:50	3.6	40	13	4.8	0
19/11/2022 12:00	3.7	53	13	4.8	0
19/11/2022 12:10	4.2	50	13	5.3	0
19/11/2022 12:20	4	46	13	5.6	0
19/11/2022 12:30	3.9	49	11	5.2	0
19/11/2022 12:40	4.2	52	13	5.9	0
19/11/2022 12:50	4.6	49	14	6	0
19/11/2022 13:00	4.9	52	12	6.5	0
19/11/2022 13:10	3.9	34	24	6.2	0
19/11/2022 13:20	3.3	323	40	5.5	0
19/11/2022 13:30	4.1	334	24	5.6	0
19/11/2022 13:40	4.1	318	23	6.5	0
19/11/2022 13:50	3.8	320	18	5.6	0
19/11/2022 14:00	4.4	326	15	6.4	0
19/11/2022 14:10	3.7	305	24	5.7	0
19/11/2022 14:20	3.8	284	25	5.6	0
19/11/2022 14:30	3.6	273	31	6.6	0
19/11/2022 14:40	3.8	264	24	6	0
19/11/2022 14:50	3.7	277	22	6.3	0
19/11/2022 15:00	3.8	265	23	6.3	0
19/11/2022 15:10	3.6	266	25	5.6	0
19/11/2022 15:20	3.6	269	19	5.6	0
19/11/2022 15:30	3.5	263	22	4.9	0
19/11/2022 15:40	4	273	22	5.5	0
19/11/2022 15:50	4.1	266	20	6.8	0
19/11/2022 16:00	4.1	270	22	6.5	0
19/11/2022 16:10	3.7	270	21	5.7	0
19/11/2022 16:20	3.9	271	18	5.7	0
19/11/2022 16:30	3.5	276	20	6	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/11/2022 16:40	3.5	278	23	5.6	0
19/11/2022 16:50	3.5	272	25	5.5	0
19/11/2022 17:00	3.3	269	25	5.1	0
19/11/2022 17:10	3.4	272	28	5.6	0
19/11/2022 17:20	3.7	268	17	5.9	0
19/11/2022 17:30	3.4	278	25	5.6	0
19/11/2022 17:40	3.4	271	28	5.5	0
19/11/2022 17:50	3.3	273	20	5.3	0
19/11/2022 18:00	3.7	274	18	5.5	0
19/11/2022 18:10	3.6	276	19	5.4	0
19/11/2022 18:20	3.2	275	25	5	0
19/11/2022 18:30	3.2	275	19	4.8	0
19/11/2022 18:40	2.9	275	17	4.4	0
19/11/2022 18:50	2.8	281	20	4.2	0
19/11/2022 19:00	3.1	271	27	5.1	0
19/11/2022 19:10	3.1	275	25	5.1	0
19/11/2022 19:20	3.2	271	24	5.6	0
19/11/2022 19:30	3.6	274	21	5.2	0
19/11/2022 19:40	3.4	274	21	5.5	0
19/11/2022 19:50	3.3	276	24	5.4	0
19/11/2022 20:00	3	270	34	5.2	0
19/11/2022 20:10	3.2	276	29	5.3	0
19/11/2022 20:20	2.7	265	36	5.5	0
19/11/2022 20:30	2.9	277	28	5.1	0
19/11/2022 20:40	3.1	266	37	5.6	0
19/11/2022 20:50	2.8	265	34	5.3	0
19/11/2022 21:00	2.8	275	32	4.6	0
19/11/2022 21:10	2.7	267	30	5	0
19/11/2022 21:20	1.8	250	70	3.6	0
19/11/2022 21:30	2.3	261	51	4.7	0
19/11/2022 21:40	3.3	278	18	5.3	0
19/11/2022 21:50	2.4	270	37	4.1	0
19/11/2022 22:00	2.7	280	22	4.3	0
19/11/2022 22:10	2.9	272	18	4.5	0
19/11/2022 22:20	2.1	250	35	3.4	0
19/11/2022 22:30	2.5	269	29	4.2	0
19/11/2022 22:40	2.6	272	25	4.1	0
19/11/2022 22:50	2.8	274	22	4.1	0
19/11/2022 23:00	2.6	272	20	4	0
19/11/2022 23:10	2.9	268	22	4.6	0
19/11/2022 23:20	2.9	270	22	4.7	0
19/11/2022 23:30	2.6	268	28	4.1	0
19/11/2022 23:40	2.8	267	23	4.5	0
19/11/2022 23:50	2.9	271	20	4.8	0
20/11/2022 00:00	2.7	271	27	4.8	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/11/2022 00:10	2.1	269	46	4.4	0
20/11/2022 00:20	2.5	265	27	4.7	0
20/11/2022 00:30	1.7	262	54	3.3	0
20/11/2022 00:40	1.2	217	62	3.2	0
20/11/2022 00:50	1.3	231	67	2.7	0
20/11/2022 01:00	1.9	254	38	3.3	0
20/11/2022 01:10	2.2	261	23	4	0
20/11/2022 01:20	1.5	246	58	3.6	0
20/11/2022 01:30	1.9	242	49	3.3	0
20/11/2022 01:40	2	260	46	3.3	0
20/11/2022 01:50	1.9	263	29	3.2	0
20/11/2022 02:00	1.5	242	57	3.6	0
20/11/2022 02:10	1.7	245	40	3.2	0
20/11/2022 02:20	1.9	247	45	3.8	0
20/11/2022 02:30	1.9	236	32	3.8	0
20/11/2022 02:40	1.7	235	36	3.1	0
20/11/2022 02:50	1.9	224	28	3.4	0
20/11/2022 03:00	1.4	239	46	2.7	0
20/11/2022 03:10	1.2	189	41	2.4	0
20/11/2022 03:20	1.1	250	44	1.6	0
20/11/2022 03:30	0.7	231	59	1.4	0
20/11/2022 03:40	1.3	269	35	2.3	0
20/11/2022 03:50	1	292	27	2	0
20/11/2022 04:00	0.9	269	30	1.7	0
20/11/2022 04:10	1	287	19	1.7	0
20/11/2022 04:20	0.9	315	19	1.3	0
20/11/2022 04:30	0.6	341	12	1	0
20/11/2022 04:40	0.9	73	11	1.5	0
20/11/2022 04:50	1.2	95	11	1.7	0
20/11/2022 05:00	1.3	137	28	1.7	0
20/11/2022 05:10	1.9	109	13	2.5	0
20/11/2022 05:20	1.5	136	19	2.1	0
20/11/2022 05:30	1.7	123	19	2.5	0
20/11/2022 05:40	1.9	106	14	2.4	0
20/11/2022 05:50	2.2	77	13	2.8	0
20/11/2022 06:00	1.9	82	17	2.8	0
20/11/2022 06:10	2.2	75	12	3.1	0
20/11/2022 06:20	2.5	67	12	3.5	0
20/11/2022 06:30	2.7	56	13	3.8	0
20/11/2022 06:40	3.1	51	13	4.4	0
20/11/2022 06:50	2.6	52	15	3.8	0
20/11/2022 07:00	2.4	61	13	3.7	0
20/11/2022 07:10	2.6	57	13	3.6	0
20/11/2022 07:20	2.9	55	15	4	0
20/11/2022 07:30	3.3	43	14	4.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/11/2022 07:40	3.1	55	13	4.3	0
20/11/2022 07:50	2.7	63	14	4	0
20/11/2022 08:00	2.7	75	14	3.6	0
20/11/2022 08:10	3.6	85	12	4.8	0
20/11/2022 08:20	3.9	94	17	5.2	0
20/11/2022 08:30	3.1	77	14	4.5	0
20/11/2022 08:40	3	62	12	4.4	0
20/11/2022 08:50	2.8	59	14	3.6	0
20/11/2022 09:00	2.9	60	11	3.8	0
20/11/2022 09:10	2.5	76	16	3.7	0
20/11/2022 09:20	2.9	88	18	4.4	0
20/11/2022 09:30	3.1	124	15	4.8	0
20/11/2022 09:40	3.1	126	23	5	0
20/11/2022 09:50	2.6	121	25	3.9	0
20/11/2022 10:00	3	124	21	4.3	0
20/11/2022 10:10	3.3	124	22	5.3	0
20/11/2022 10:20	3.5	127	19	5.6	0
20/11/2022 10:30	3.5	127	22	7.2	0
20/11/2022 10:40	2.4	115	24	4.9	0
20/11/2022 10:50	2.5	85	18	3.6	0
20/11/2022 11:00	2.6	95	20	4.1	0
20/11/2022 11:10	2.3	108	18	3.2	0
20/11/2022 11:20	2.8	83	13	4	0
20/11/2022 11:30	2.4	63	14	3.3	0
20/11/2022 11:40	2.1	71	18	3.4	0
20/11/2022 11:50	2.3	76	13	3.2	0
20/11/2022 12:00	3.2	62	13	4.1	0
20/11/2022 12:10	4.3	60	10	5.6	0
20/11/2022 12:20	3.9	55	12	5.2	0
20/11/2022 12:30	3.9	52	13	5.6	0
20/11/2022 12:40	4.1	57	12	6	0
20/11/2022 12:50	5.1	56	10	6.6	0
20/11/2022 13:00	4.1	57	11	5.5	0
20/11/2022 13:10	3.9	58	12	5.4	0
20/11/2022 13:20	4	60	13	5.2	0
20/11/2022 13:30	4	58	11	5.3	0
20/11/2022 13:40	3.4	63	12	4.4	0
20/11/2022 13:50	3	63	12	3.8	0
20/11/2022 14:00	2.6	61	15	3.5	0
20/11/2022 14:10	2.6	64	18	3.6	0
20/11/2022 14:20	2.2	71	21	3.8	0
20/11/2022 14:30	2.3	97	32	3.7	0
20/11/2022 14:40	2.6	102	27	4.7	0
20/11/2022 14:50	2.8	80	26	4.3	0
20/11/2022 15:00	2.6	77	17	4	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/11/2022 15:10	1.9	52	35	2.8	0
20/11/2022 15:20	2.1	79	22	2.8	0
20/11/2022 15:30	2.3	78	21	3.3	0
20/11/2022 15:40	2.8	65	12	3.7	0
20/11/2022 15:50	3.2	66	12	4.3	0
20/11/2022 16:00	3.1	55	14	4	0
20/11/2022 16:10	2.6	44	16	3.6	0
20/11/2022 16:20	2.8	45	13	3.8	0
20/11/2022 16:30	2.5	52	14	3.6	0
20/11/2022 16:40	2.8	49	13	3.6	0
20/11/2022 16:50	2.7	54	14	3.6	0
20/11/2022 17:00	3.3	46	13	4.6	0
20/11/2022 17:10	3.3	41	14	4.6	0
20/11/2022 17:20	3.1	44	15	4.3	0
20/11/2022 17:30	2.6	46	14	3.8	0
20/11/2022 17:40	2.9	42	12	4.1	0
20/11/2022 17:50	2.7	37	12	3.8	0
20/11/2022 18:00	2.3	44	14	3	0
20/11/2022 18:10	1.6	61	20	2.4	0
20/11/2022 18:20	1.4	63	18	2	0
20/11/2022 18:30	1.5	63	18	2.6	0
20/11/2022 18:40	1.9	53	17	2.8	0
20/11/2022 18:50	1.4	72	22	2.1	0
20/11/2022 19:00	1.7	53	19	3	0
20/11/2022 19:10	1.8	46	16	2.8	0
20/11/2022 19:20	1.9	47	16	2.9	0
20/11/2022 19:30	2.1	40	14	3.3	0
20/11/2022 19:40	1.9	50	15	3	0
20/11/2022 19:50	1.8	49	18	2.8	0
20/11/2022 20:00	2.3	49	16	3.2	0
20/11/2022 20:10	1.8	54	17	2.9	0
20/11/2022 20:20	1.5	79	19	2.5	0
20/11/2022 20:30	1.4	94	23	2	0
20/11/2022 20:40	1.3	83	17	2	0
20/11/2022 20:50	1.3	78	19	1.9	0
20/11/2022 21:00	0.5	86	10	1.2	0
20/11/2022 21:10	0.3	73	18	0.9	0
20/11/2022 21:20	1.3	109	23	2	0
20/11/2022 21:30	1.4	44	14	2.1	0
20/11/2022 21:40	1.1	46	16	1.6	0
20/11/2022 21:50	1.1	77	14	1.6	0
20/11/2022 22:00	1.2	74	13	1.6	0
20/11/2022 22:10	1.4	70	14	2	0
20/11/2022 22:20	1.7	68	17	2.4	0
20/11/2022 22:30	1.7	86	15	2.4	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/11/2022 22:40	1.6	80	13	2.2	0
20/11/2022 22:50	1.7	104	16	2.8	0
20/11/2022 23:00	1.8	122	21	2.9	0
20/11/2022 23:10	2.2	118	18	3.2	0
20/11/2022 23:20	2.6	127	21	4	0
20/11/2022 23:30	2.4	130	23	4.4	0
20/11/2022 23:40	2	131	25	3.5	0
20/11/2022 23:50	2.7	146	19	4.2	0
21/11/2022 00:00	2.9	119	14	4.1	0
21/11/2022 00:10	2.4	126	18	3.7	0
21/11/2022 00:20	2.1	99	19	3.4	0
21/11/2022 00:30	1.5	79	15	2	0
21/11/2022 00:40	0.9	80	14	1.2	0
21/11/2022 00:50	0.8	70	17	1.2	0
21/11/2022 01:00	0.7	107	17	1.1	0
21/11/2022 01:10	0.3	109	18	0.7	0
21/11/2022 01:20	0.9	151	12	1.8	0
21/11/2022 01:30	1.5	116	23	2.7	0
21/11/2022 01:40	2	136	19	2.9	0
21/11/2022 01:50	2.5	159	18	3.8	0
21/11/2022 02:00	1.8	144	25	3	0
21/11/2022 02:10	2.7	158	15	4	0
21/11/2022 02:20	2.3	148	16	3.4	0
21/11/2022 02:30	1.9	153	24	3.6	0
21/11/2022 02:40	1.4	155	18	2.3	0
21/11/2022 02:50	2.1	253	34	3.8	0
21/11/2022 03:00	1.1	248	22	2.2	0
21/11/2022 03:10	1.5	169	20	2.4	0
21/11/2022 03:20	1.1	189	34	2.4	0
21/11/2022 03:30	2.1	241	14	2.9	0
21/11/2022 03:40	1.9	249	12	2.5	0
21/11/2022 03:50	1.8	278	14	2.4	0
21/11/2022 04:00	1.3	236	17	1.8	0
21/11/2022 04:10	0.7	149	29	1.2	0
21/11/2022 04:20	2.2	159	12	4.1	0
21/11/2022 04:30	3.3	159	17	4.7	0
21/11/2022 04:40	3.6	195	11	4.8	0
21/11/2022 04:50	2.8	205	12	3.8	0
21/11/2022 05:00	1.3	170	51	1.9	0
21/11/2022 05:10	1.8	147	25	2.8	0
21/11/2022 05:20	2.4	163	20	3.6	0
21/11/2022 05:30	1.9	159	26	3.2	0
21/11/2022 05:40	2.5	160	18	4	0
21/11/2022 05:50	2.4	145	21	3.6	0
21/11/2022 06:00	2.6	147	20	4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/11/2022 06:10	2.3	132	32	3.4	0
21/11/2022 06:20	3	119	18	4.3	0
21/11/2022 06:30	2.2	128	18	3.2	0.1
21/11/2022 06:40	2.3	108	19	3.8	0.1
21/11/2022 06:50	1.8	104	15	2.8	0.1
21/11/2022 07:00	2.1	88	18	3.1	0
21/11/2022 07:10	1.7	80	13	2.5	0
21/11/2022 07:20	1.8	76	17	2.4	0
21/11/2022 07:30	2.4	72	13	3.6	0
21/11/2022 07:40	2.4	63	15	3.9	0
21/11/2022 07:50	1.9	81	19	2.8	0
21/11/2022 08:00	1.8	126	22	2.9	0
21/11/2022 08:10	2	116	27	3.3	0
21/11/2022 08:20	2.3	119	19	3.5	0
21/11/2022 08:30	1.9	114	25	3.2	0
21/11/2022 08:40	1.8	108	21	2.7	0
21/11/2022 08:50	3.2	94	18	5.4	0
21/11/2022 09:00	3.3	85	15	4.3	0
21/11/2022 09:10	3.3	81	15	4.8	0
21/11/2022 09:20	4.3	87	15	6.5	0
21/11/2022 09:30	4.1	82	15	6.3	0
21/11/2022 09:40	4	80	14	6.2	0
21/11/2022 09:50	3.8	84	17	5.6	0
21/11/2022 10:00	4.4	90	15	5.8	0
21/11/2022 10:10	4.7	87	16	6.8	0
21/11/2022 10:20	4.1	86	18	6.1	0
21/11/2022 10:30	4.5	84	15	7	0
21/11/2022 10:40	4.4	87	19	6.2	0
21/11/2022 10:50	4.1	89	14	6.4	0
21/11/2022 11:00	3.5	73	14	4.9	0
21/11/2022 11:10	3.7	74	15	5.5	0
21/11/2022 11:20	3.3	78	16	4.8	0
21/11/2022 11:30	3.8	87	14	5.6	0
21/11/2022 11:40	4	86	15	6	0.2
21/11/2022 11:50	4.2	88	17	6	0
21/11/2022 12:00	4.5	88	17	7	0
21/11/2022 12:10	3.8	86	18	5.3	0
21/11/2022 12:20	3	80	17	4.8	0.1
21/11/2022 12:30	3.8	74	13	5.3	0
21/11/2022 12:40	3.7	85	16	5.4	0
21/11/2022 12:50	4.2	92	16	6	0
21/11/2022 13:00	4.6	88	15	6.3	0
21/11/2022 13:10	4.3	89	18	6	0
21/11/2022 13:20	4.3	90	16	6.1	0
21/11/2022 13:30	3.5	78	13	4.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/11/2022 13:40	3.8	76	15	5.5	0
21/11/2022 13:50	4.1	88	17	6	0
21/11/2022 14:00	4.8	94	15	6.8	0
21/11/2022 14:10	4	84	15	5.8	0
21/11/2022 14:20	4.2	93	21	6.2	0
21/11/2022 14:30	3.7	85	16	5.6	0
21/11/2022 14:40	3.6	91	18	5.6	0
21/11/2022 14:50	3.7	85	14	5.6	0
21/11/2022 15:00	3.5	83	18	6.1	0
21/11/2022 15:10	3.1	95	22	4.6	0
21/11/2022 15:20	3.2	121	19	5.3	0
21/11/2022 15:30	4.1	92	20	6.6	0
21/11/2022 15:40	3.7	91	24	6.8	0
21/11/2022 15:50	4.1	86	21	7.2	0
21/11/2022 16:00	4	82	19	6.4	0
21/11/2022 16:10	3.2	84	22	5.1	0
21/11/2022 16:20	3.3	85	21	6.8	0
21/11/2022 16:30	3.5	84	16	5.1	0
21/11/2022 16:40	2.7	116	23	4.4	0
21/11/2022 16:50	3	99	28	5.2	0
21/11/2022 17:00	3.3	80	17	4.8	0
21/11/2022 17:10	2.8	53	17	5.1	0
21/11/2022 17:20	3.4	46	14	4.6	0
21/11/2022 17:30	2.5	53	14	3.7	0
21/11/2022 17:40	2.7	49	13	3.7	0
21/11/2022 17:50	2.2	60	14	3.1	0
21/11/2022 18:00	1.7	67	20	2.9	0
21/11/2022 18:10	1.7	74	20	2.9	0
21/11/2022 18:20	3.1	85	18	5.2	0
21/11/2022 18:30	3.5	83	19	5.5	0
21/11/2022 18:40	2.6	82	32	4.3	0
21/11/2022 18:50	4	76	15	6.9	0
21/11/2022 19:00	3.4	77	13	5	0
21/11/2022 19:10	2.7	79	18	4.8	0
21/11/2022 19:20	2.1	104	35	3.8	0
21/11/2022 19:30	2	117	27	3.4	0
21/11/2022 19:40	2.6	124	21	4.3	0
21/11/2022 19:50	3.2	125	20	4.8	0
21/11/2022 20:00	2.2	119	22	4	0
21/11/2022 20:10	1.8	106	46	4.4	0
21/11/2022 20:20	2.8	93	23	5.2	0
21/11/2022 20:30	3.5	94	19	5.7	0
21/11/2022 20:40	3.3	85	17	5.1	0
21/11/2022 20:50	2.6	77	15	3.7	0
21/11/2022 21:00	2.6	81	16	3.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/11/2022 21:10	2.8	86	18	4.2	0
21/11/2022 21:20	2.9	81	15	4.6	0
21/11/2022 21:30	1.7	68	19	3.1	0
21/11/2022 21:40	2.2	76	17	3.8	0
21/11/2022 21:50	3	73	14	4.2	0
21/11/2022 22:00	2.8	74	15	4.1	0
21/11/2022 22:10	3.3	71	15	5.2	0
21/11/2022 22:20	4.2	76	13	5.9	0
21/11/2022 22:30	3.9	75	13	5.9	0
21/11/2022 22:40	3.7	77	14	5.4	0
21/11/2022 22:50	3.6	70	13	6	0
21/11/2022 23:00	3.8	74	16	5.3	0
21/11/2022 23:10	3.7	74	13	5.6	0
21/11/2022 23:20	4.6	92	15	7.6	0
21/11/2022 23:30	4.6	92	16	6.8	0
21/11/2022 23:40	4.9	92	16	8.4	0
21/11/2022 23:50	4.9	91	16	7.8	0
22/11/2022 00:00	5.2	90	15	7.5	0
22/11/2022 00:10	4.9	88	15	7.1	0
22/11/2022 00:20	4.5	86	16	6.8	0
22/11/2022 00:30	4.6	87	16	6.7	0
22/11/2022 00:40	4.6	87	16	6.4	0
22/11/2022 00:50	4.2	88	15	6.6	0
22/11/2022 01:00	4.2	90	13	6.5	0
22/11/2022 01:10	4	82	15	6	0
22/11/2022 01:20	3.3	85	19	5.5	0
22/11/2022 01:30	4.2	83	15	6.3	0
22/11/2022 01:40	4.2	82	13	6.1	0
22/11/2022 01:50	3.7	82	16	5.2	0
22/11/2022 02:00	3.5	84	16	5.3	0
22/11/2022 02:10	3	100	25	4.5	0
22/11/2022 02:20	3.3	94	20	5.2	0
22/11/2022 02:30	2.7	102	23	5.1	0
22/11/2022 02:40	3.2	114	24	5.2	0
22/11/2022 02:50	3.1	114	27	5.6	0
22/11/2022 03:00	3	99	26	6	0
22/11/2022 03:10	3.2	98	22	5.6	0
22/11/2022 03:20	3.7	94	17	5.9	0
22/11/2022 03:30	3.7	113	21	6	0
22/11/2022 03:40	3.7	107	25	6	0
22/11/2022 03:50	4.1	90	18	6.4	0
22/11/2022 04:00	3.7	88	18	5.6	0
22/11/2022 04:10	4.6	86	13	7	0
22/11/2022 04:20	5	86	14	7.6	0
22/11/2022 04:30	4.3	100	18	6.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/11/2022 04:40	4.9	95	16	7	0
22/11/2022 04:50	5.7	81	13	7.8	0
22/11/2022 05:00	5.1	84	12	7.1	0
22/11/2022 05:10	4.4	94	18	7	0
22/11/2022 05:20	3.8	99	19	6.4	0
22/11/2022 05:30	3.7	109	23	6.9	0
22/11/2022 05:40	3.9	107	22	6.8	0
22/11/2022 05:50	3.7	105	24	6.5	0
22/11/2022 06:00	3.6	114	20	6.4	0
22/11/2022 06:10	4.2	121	26	7	0
22/11/2022 06:20	4.6	116	26	8.3	0
22/11/2022 06:30	4.3	117	24	7.2	0
22/11/2022 06:40	4.1	121	31	7.5	0
22/11/2022 06:50	3.7	113	26	6.4	0
22/11/2022 07:00	3.8	113	23	6.1	0
22/11/2022 07:10	4	106	24	6.8	0
22/11/2022 07:20	4.4	114	23	7.9	0
22/11/2022 07:30	5.2	115	19	7.9	0
22/11/2022 07:40	4.5	121	19	7.3	0
22/11/2022 07:50	4.1	118	27	6.6	0
22/11/2022 08:00	4.3	114	24	6.8	0
22/11/2022 08:10	4.4	104	23	6.7	0
22/11/2022 08:20	3.7	94	24	5.7	0
22/11/2022 08:30	4.3	85	18	6.6	0
22/11/2022 08:40	4.6	82	17	6.9	0
22/11/2022 08:50	4.3	88	19	6.8	0
22/11/2022 09:00	4.2	88	19	6.7	0
22/11/2022 09:10	4.7	79	15	7.2	0
22/11/2022 09:20	4.6	77	15	6.8	0
22/11/2022 09:30	5	82	15	8.2	0
22/11/2022 09:40	4.8	84	13	6.9	0
22/11/2022 09:50	4.3	88	15	6.1	0
22/11/2022 10:00	4.8	88	16	6.7	0
22/11/2022 10:10	3.9	81	15	5.3	0
22/11/2022 10:20	3.6	76	16	5.2	0
22/11/2022 10:30	3.5	54	15	4.7	0
22/11/2022 10:40	4.2	54	10	6	0
22/11/2022 10:50	4.6	54	12	6.4	0
22/11/2022 11:00	4.9	47	12	6.4	0
22/11/2022 11:10	4.6	44	13	6.2	0
22/11/2022 11:20	5	48	11	6.7	0
22/11/2022 11:30	4.8	46	14	7	0
22/11/2022 11:40	4.6	48	12	6.4	0
22/11/2022 11:50	4.7	42	13	6.6	0
22/11/2022 12:00	4.7	42	15	6.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/11/2022 12:10	4.5	42	14	6.3	0
22/11/2022 12:20	4.4	42	16	5.8	0
22/11/2022 12:30	4.9	40	13	6.4	0
22/11/2022 12:40	5	42	12	6.9	0
22/11/2022 12:50	4.7	41	11	6.4	0
22/11/2022 13:00	4.9	42	12	6.8	0
22/11/2022 13:10	4.6	39	14	6.1	0
22/11/2022 13:20	4.8	35	14	6.6	0
22/11/2022 13:30	5.5	35	13	7.3	0
22/11/2022 13:40	6.1	40	13	8.3	0
22/11/2022 13:50	5.7	40	11	7.5	0
22/11/2022 14:00	5.9	40	12	7.7	0
22/11/2022 14:10	5.9	42	12	8.4	0
22/11/2022 14:20	5.7	39	11	7.9	0
22/11/2022 14:30	6.3	38	14	8.5	0
22/11/2022 14:40	5.7	35	14	8	0
22/11/2022 14:50	5.8	44	13	7.9	0
22/11/2022 15:00	5.6	40	13	7.4	0
22/11/2022 15:10	5.5	42	13	7.4	0
22/11/2022 15:20	6.2	43	12	8.3	0
22/11/2022 15:30	5.6	44	12	7.5	0
22/11/2022 15:40	6.1	48	9	7.7	0
22/11/2022 15:50	5.1	49	12	7.2	0
22/11/2022 16:00	5	49	12	6.9	0
22/11/2022 16:10	4.8	51	13	6.6	0
22/11/2022 16:20	4.2	53	11	5.8	0
22/11/2022 16:30	3.6	49	12	4.8	0
22/11/2022 16:40	3.5	48	15	4.4	0
22/11/2022 16:50	3.5	46	13	4.5	0
22/11/2022 17:00	3.1	47	18	4.1	0
22/11/2022 17:10	3.5	40	15	5.4	0
22/11/2022 17:20	3.3	42	20	5.1	0
22/11/2022 17:30	3.2	23	19	4.5	0
22/11/2022 17:40	3.6	351	15	5.4	0
22/11/2022 17:50	4.1	348	14	5.6	0
22/11/2022 18:00	3.8	338	11	5.2	0
22/11/2022 18:10	4.1	343	15	5.6	0
22/11/2022 18:20	3.7	347	12	5.2	0
22/11/2022 18:30	3.2	350	15	4.5	0
22/11/2022 18:40	3.8	354	14	5.1	0
22/11/2022 18:50	3.8	353	13	5.7	0
22/11/2022 19:00	3.1	350	12	4.5	0
22/11/2022 19:10	3	346	15	4.8	0
22/11/2022 19:20	3.3	347	16	4.9	0
22/11/2022 19:30	2.6	336	14	3.7	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/11/2022 19:40	2.3	346	14	3.8	0
22/11/2022 19:50	1.6	327	19	2.6	0
22/11/2022 20:00	1.6	334	16	2.4	0
22/11/2022 20:10	1.9	324	15	2.6	0
22/11/2022 20:20	1.5	328	12	2	0
22/11/2022 20:30	1.7	327	13	2.6	0
22/11/2022 20:40	2	331	11	2.8	0
22/11/2022 20:50	1.9	330	9	2.3	0
22/11/2022 21:00	1.6	323	11	2.4	0
22/11/2022 21:10	1.3	324	15	1.7	0
22/11/2022 21:20	1.1	315	13	1.6	0
22/11/2022 21:30	1.3	272	20	2.1	0
22/11/2022 21:40	1.4	228	23	2.2	0
22/11/2022 21:50	1.2	224	42	2.1	0
22/11/2022 22:00	0.8	202	30	1.6	0
22/11/2022 22:10	1.1	214	50	2	0
22/11/2022 22:20	0.2	93	7	0.6	0
22/11/2022 22:30	0	135	6	0.4	0
22/11/2022 22:40	1.5	147	21	2.8	0
22/11/2022 22:50	1.4	153	24	2.3	0
22/11/2022 23:00	2.4	154	20	3.8	0
22/11/2022 23:10	2.8	180	17	3.9	0
22/11/2022 23:20	2.3	175	17	3.6	0
22/11/2022 23:30	2.3	183	14	3.2	0
22/11/2022 23:40	3	194	13	4	0
22/11/2022 23:50	3.2	190	12	4.5	0
23/11/2022 00:00	3.6	189	10	4.7	0
23/11/2022 00:10	3.7	191	11	4.7	0
23/11/2022 00:20	3.3	198	10	4.3	0
23/11/2022 00:30	3.2	194	10	4.6	0
23/11/2022 00:40	2.9	194	11	4	0
23/11/2022 00:50	3.1	187	14	4.2	0
23/11/2022 01:00	2.6	190	12	3.6	0
23/11/2022 01:10	3	175	15	4	0
23/11/2022 01:20	2.8	194	17	4.2	0
23/11/2022 01:30	1.9	160	20	2.7	0
23/11/2022 01:40	2.1	169	17	3.3	0
23/11/2022 01:50	2.8	187	14	4.4	0
23/11/2022 02:00	1.7	158	22	2.8	0
23/11/2022 02:10	1.5	128	20	2.4	0
23/11/2022 02:20	1.7	170	17	2.4	0
23/11/2022 02:30	2.1	143	29	3.5	0
23/11/2022 02:40	2.4	121	20	3.3	0
23/11/2022 02:50	1.9	123	27	3.3	0
23/11/2022 03:00	2.3	113	25	4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/11/2022 03:10	2.3	84	16	3.6	0
23/11/2022 03:20	2	90	14	2.8	0
23/11/2022 03:30	2.5	87	14	3.8	0
23/11/2022 03:40	2	103	17	3.3	0
23/11/2022 03:50	2	95	23	2.8	0
23/11/2022 04:00	2.3	69	13	3	0
23/11/2022 04:10	2	63	13	3	0
23/11/2022 04:20	2.3	76	12	3.3	0
23/11/2022 04:30	2.4	70	13	3.1	0
23/11/2022 04:40	2.2	67	13	3.2	0
23/11/2022 04:50	2.3	65	13	3.2	0
23/11/2022 05:00	2.6	62	11	3.7	0
23/11/2022 05:10	3.1	56	12	4.3	0
23/11/2022 05:20	3.1	54	12	4.1	0
23/11/2022 05:30	3	57	13	4	0
23/11/2022 05:40	2.5	53	12	3.3	0
23/11/2022 05:50	2.3	57	13	3.3	0
23/11/2022 06:00	2.4	60	12	3.5	0
23/11/2022 06:10	2.7	60	11	3.5	0
23/11/2022 06:20	2.6	60	11	3.5	0
23/11/2022 06:30	2.6	64	13	3.6	0
23/11/2022 06:40	2.5	74	16	3.4	0
23/11/2022 06:50	2.3	76	14	3.5	0
23/11/2022 07:00	3	74	13	4.2	0
23/11/2022 07:10	2.9	75	15	3.9	0
23/11/2022 07:20	2.8	84	14	3.7	0
23/11/2022 07:30	2.9	77	16	3.7	0
23/11/2022 07:40	3.1	77	15	4.1	0
23/11/2022 07:50	2.9	74	15	4.4	0
23/11/2022 08:00	3.2	70	11	4.2	0
23/11/2022 08:10	3.3	69	14	4.4	0
23/11/2022 08:20	3.1	65	15	4.5	0
23/11/2022 08:30	3.7	58	11	4.7	0
23/11/2022 08:40	3.9	59	10	5.2	0
23/11/2022 08:50	3.8	56	13	5.2	0
23/11/2022 09:00	3.8	58	12	5.1	0
23/11/2022 09:10	4.4	61	8	5.5	0
23/11/2022 09:20	4.2	61	10	5.2	0
23/11/2022 09:30	3.9	62	10	5.1	0
23/11/2022 09:40	3.9	62	11	4.9	0
23/11/2022 09:50	3.6	54	13	4.8	0
23/11/2022 10:00	3.7	45	14	5	0
23/11/2022 10:10	3.9	44	13	5.4	0
23/11/2022 10:20	4.1	42	12	5.2	0
23/11/2022 10:30	4.2	42	13	5.6	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/11/2022 10:40	4.4	45	14	6	0
23/11/2022 10:50	4.2	45	12	5.6	0
23/11/2022 11:00	4.7	47	10	6	0
23/11/2022 11:10	5.2	46	10	6.4	0
23/11/2022 11:20	4.8	48	12	6.5	0
23/11/2022 11:30	5	45	11	6.6	0
23/11/2022 11:40	5.1	42	12	6.9	0
23/11/2022 11:50	4.9	42	12	6.8	0
23/11/2022 12:00	5	44	13	6.7	0
23/11/2022 12:10	5.1	41	13	6.8	0
23/11/2022 12:20	5.2	45	12	6.8	0
23/11/2022 12:30	5	45	13	6.8	0
23/11/2022 12:40	4.5	47	15	6	0
23/11/2022 12:50	4.9	47	12	6.6	0
23/11/2022 13:00	4.9	47	11	6.8	0
23/11/2022 13:10	4.5	50	13	6.5	0
23/11/2022 13:20	4.4	55	12	6	0
23/11/2022 13:30	4.6	49	14	6.2	0
23/11/2022 13:40	4.5	52	13	6.3	0
23/11/2022 13:50	4.6	50	12	6.2	0
23/11/2022 14:00	4.2	53	12	5.8	0
23/11/2022 14:10	4	51	11	5.8	0
23/11/2022 14:20	4.5	50	12	5.7	0
23/11/2022 14:30	4.6	49	11	5.9	0
23/11/2022 14:40	4.7	47	12	6.3	0
23/11/2022 14:50	3.7	19	21	5.4	0
23/11/2022 15:00	4.6	343	21	6.3	0
23/11/2022 15:10	4.2	324	16	6.3	0
23/11/2022 15:20	4.2	321	20	6.4	0
23/11/2022 15:30	4.3	326	19	6.8	0
23/11/2022 15:40	4.2	324	21	6.4	0
23/11/2022 15:50	4.4	307	18	6.2	0
23/11/2022 16:00	4.3	316	19	6.4	0
23/11/2022 16:10	4.2	315	20	6.8	0
23/11/2022 16:20	3.9	313	22	6	0
23/11/2022 16:30	4	321	20	6	0
23/11/2022 16:40	3.9	317	21	5.7	0
23/11/2022 16:50	4.4	323	17	6.4	0
23/11/2022 17:00	3.9	317	18	5.6	0
23/11/2022 17:10	4.3	321	18	6.2	0
23/11/2022 17:20	4	321	17	6.1	0
23/11/2022 17:30	3.3	313	21	5.8	0
23/11/2022 17:40	3.2	308	16	4.8	0
23/11/2022 17:50	3.5	288	24	5.1	0
23/11/2022 18:00	3.2	297	21	4.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/11/2022 18:10	3.2	306	22	4.8	0
23/11/2022 18:20	3.9	320	15	5.6	0
23/11/2022 18:30	3.1	310	16	5.2	0
23/11/2022 18:40	4.1	300	16	5.4	0
23/11/2022 18:50	3.5	304	15	5.3	0
23/11/2022 19:00	3	297	20	4.5	0
23/11/2022 19:10	3	296	20	4.4	0
23/11/2022 19:20	2.5	288	23	4.4	0
23/11/2022 19:30	2.8	289	19	4.6	0
23/11/2022 19:40	2.4	281	27	4.2	0
23/11/2022 19:50	2.5	273	18	4	0
23/11/2022 20:00	2.6	277	18	3.6	0
23/11/2022 20:10	2.2	275	19	3.2	0
23/11/2022 20:20	2.2	270	23	3.5	0
23/11/2022 20:30	2.6	266	20	3.7	0
23/11/2022 20:40	2.7	268	19	4	0
23/11/2022 20:50	2.5	274	17	3.9	0
23/11/2022 21:00	2.4	273	17	3.6	0
23/11/2022 21:10	2.3	274	19	3.6	0
23/11/2022 21:20	2.4	273	19	3.6	0
23/11/2022 21:30	2.7	270	18	4	0
23/11/2022 21:40	2.4	268	25	4.1	0
23/11/2022 21:50	2.8	271	17	4.2	0
23/11/2022 22:00	2.5	278	23	4.1	0
23/11/2022 22:10	2.7	274	18	3.9	0
23/11/2022 22:20	2.9	271	24	4.3	0
23/11/2022 22:30	2	268	38	3.5	0
23/11/2022 22:40	2	266	39	4	0
23/11/2022 22:50	2.2	274	20	3.4	0
23/11/2022 23:00	1.9	269	40	3.4	0
23/11/2022 23:10	2.4	272	26	3.8	0
23/11/2022 23:20	1.8	269	51	3.6	0
23/11/2022 23:30	2.2	274	20	3.5	0
23/11/2022 23:40	1.6	274	39	3.1	0
23/11/2022 23:50	1.9	264	28	3.4	0
24/11/2022 00:00	1.2	291	59	2.4	0
24/11/2022 00:10	1.6	274	47	2.9	0
24/11/2022 00:20	1.5	255	65	3	0
24/11/2022 00:30	1.1	269	50	2.3	0
24/11/2022 00:40	1.2	233	65	2	0
24/11/2022 00:50	1.1	235	61	2.4	0
24/11/2022 01:00	0.9	171	64	1.9	0
24/11/2022 01:10	1.3	266	31	2.5	0
24/11/2022 01:20	1.5	282	18	2.3	0
24/11/2022 01:30	1.5	286	17	2.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/11/2022 01:40	1.4	286	17	2	0
24/11/2022 01:50	1	309	24	1.7	0
24/11/2022 02:00	1.5	282	18	2.4	0
24/11/2022 02:10	1.1	292	26	1.9	0
24/11/2022 02:20	1.4	287	22	2.1	0
24/11/2022 02:30	1.2	293	19	2	0
24/11/2022 02:40	1.2	284	27	2	0
24/11/2022 02:50	1.3	274	18	2.4	0
24/11/2022 03:00	1	286	23	1.8	0
24/11/2022 03:10	1.3	267	24	2.1	0
24/11/2022 03:20	1.5	269	27	2.5	0
24/11/2022 03:30	1.6	264	22	2.6	0
24/11/2022 03:40	1.2	253	32	2.4	0
24/11/2022 03:50	1.4	264	33	2	0
24/11/2022 04:00	1.5	274	20	2.2	0
24/11/2022 04:10	1.3	279	18	2.1	0
24/11/2022 04:20	1.4	283	20	2.1	0
24/11/2022 04:30	0.9	286	22	1.6	0
24/11/2022 04:40	1.2	276	13	2	0
24/11/2022 04:50	0.4	279	12	0.9	0
24/11/2022 05:00	0.7	286	13	1.5	0
24/11/2022 05:10	0.7	272	18	1.6	0
24/11/2022 05:20	0.9	279	15	1.8	0
24/11/2022 05:30	1	227	21	1.7	0
24/11/2022 05:40	0.5	197	14	1.6	0
24/11/2022 05:50	0.1	194	5	0.7	0
24/11/2022 06:00	0.4	199	27	1.2	0
24/11/2022 06:10	0.9	191	15	1.7	0
24/11/2022 06:20	1.2	254	36	2	0
24/11/2022 06:30	1.1	285	18	1.7	0
24/11/2022 06:40	0.9	174	53	1.5	0
24/11/2022 06:50	1.3	281	27	2	0
24/11/2022 07:00	1.3	272	21	1.9	0
24/11/2022 07:10	0.8	299	29	1.4	0
24/11/2022 07:20	1.1	279	49	2	0
24/11/2022 07:30	1.2	292	48	2.1	0
24/11/2022 07:40	1.1	210	71	2.1	0
24/11/2022 07:50	2.4	51	24	3.1	0
24/11/2022 08:00	2.3	65	14	3.2	0
24/11/2022 08:10	2.4	64	15	3.3	0
24/11/2022 08:20	2.6	65	13	3.2	0
24/11/2022 08:30	2.8	68	14	3.6	0
24/11/2022 08:40	2.8	56	15	3.5	0
24/11/2022 08:50	2.9	73	17	4	0
24/11/2022 09:00	3.3	60	13	4.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/11/2022 09:10	3.4	63	11	4.4	0
24/11/2022 09:20	3.2	50	14	4.3	0
24/11/2022 09:30	3.3	55	15	4.4	0
24/11/2022 09:40	3.5	49	15	4.6	0
24/11/2022 09:50	3.6	50	13	4.7	0
24/11/2022 10:00	3.3	54	10	4	0
24/11/2022 10:10	3.3	51	9	4.2	0
24/11/2022 10:20	2.9	51	11	3.7	0
24/11/2022 10:30	2.8	64	13	3.7	0
24/11/2022 10:40	3.7	66	9	4.4	0
24/11/2022 10:50	3.7	63	10	4.5	0
24/11/2022 11:00	3.7	63	10	4.6	0
24/11/2022 11:10	3.6	62	9	4.4	
24/11/2022 11:20	3.6	58	9	4.2	
24/11/2022 11:30	3.8	58	8	4.6	0
24/11/2022 11:40	3.8	61	13	4.6	0
24/11/2022 11:50	3.6	49	17	5.1	0
24/11/2022 12:00	3.4	190	20	5.1	0
24/11/2022 12:10	4.1	346	16	5.6	0
24/11/2022 12:20	4.1	352	19	6.4	0
24/11/2022 12:30	3.3	349	22	5.4	0
24/11/2022 12:40	3.3	343	21	5.3	0
24/11/2022 12:50	3.6	342	20	5.6	0
24/11/2022 13:00	3.8	330	21	6	0
24/11/2022 13:10	4	332	22	6.3	0
24/11/2022 13:20	3.1	335	25	4.9	0
24/11/2022 13:30	3.6	178	24	5.6	0
24/11/2022 13:40	3.3	337	24	5.6	0
24/11/2022 13:50	3.4	347	25	5.9	0
24/11/2022 14:00	3	333	29	4.9	0
24/11/2022 14:10	2.9	334	31	5.1	0
24/11/2022 14:20	3.1	341	25	5.1	0
24/11/2022 14:30	2.9	329	33	5.5	0
24/11/2022 14:40	3.7	336	23	5.8	0
24/11/2022 14:50	3.7	350	14	5.8	0
24/11/2022 15:00	3.9	336	16	5.5	0
24/11/2022 15:10	4	339	16	6.1	0
24/11/2022 15:20	4.2	344	16	6	0
24/11/2022 15:30	4.1	345	22	6	0
24/11/2022 15:40	4	353	17	5.8	0
24/11/2022 15:50	4.4	179	13	6.2	0
24/11/2022 16:00	5	352	15	7.2	0
24/11/2022 16:10	4.6	336	15	6.5	0
24/11/2022 16:20	4.7	334	14	6.3	0
24/11/2022 16:30	4.8	329	14	6.6	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/11/2022 16:40	4.3	325	13	6.4	0
24/11/2022 16:50	3.3	325	19	5.2	0
24/11/2022 17:00	2.9	321	22	4.4	0
24/11/2022 17:10	3.3	311	21	5	0
24/11/2022 17:20	3.1	305	20	5.2	0
24/11/2022 17:30	3.4	320	17	5	0
24/11/2022 17:40	3.3	314	25	5	0
24/11/2022 17:50	3.2	305	25	5.5	0
24/11/2022 18:00	3.3	313	20	5.9	0
24/11/2022 18:10	3.1	313	20	4.8	0
24/11/2022 18:20	3.6	297	21	5.4	0
24/11/2022 18:30	3.7	298	20	5.6	0
24/11/2022 18:40	3.9	300	20	5.5	0
24/11/2022 18:50	3.5	298	23	5.9	0
24/11/2022 19:00	2.8	275	23	4.5	0
24/11/2022 19:10	2.7	265	22	4.2	0
24/11/2022 19:20	3.2	265	20	4.7	0
24/11/2022 19:30	3.2	257	28	5.2	0
24/11/2022 19:40	3.1	266	20	4.9	0
24/11/2022 19:50	3.3	260	20	4.8	0
24/11/2022 20:00	3.1	260	17	5	0
24/11/2022 20:10	3.2	257	20	4.8	0
24/11/2022 20:20	3.1	265	18	4.8	0
24/11/2022 20:30	2.9	258	22	4.4	0
24/11/2022 20:40	2.8	266	22	4.7	0
24/11/2022 20:50	2.5	272	21	3.9	0
24/11/2022 21:00	2.7	275	19	4.5	0
24/11/2022 21:10	2.8	271	20	4.6	0
24/11/2022 21:20	2.6	263	26	4.2	0
24/11/2022 21:30	2.1	277	21	3.6	0
24/11/2022 21:40	2	271	36	3.5	0
24/11/2022 21:50	2.3	269	23	4	0
24/11/2022 22:00	2	263	41	4.1	0
24/11/2022 22:10	1.4	259	50	2.5	0
24/11/2022 22:20	2	262	41	4.2	0
24/11/2022 22:30	2	272	31	3.7	0
24/11/2022 22:40	1.9	276	32	3.8	0
24/11/2022 22:50	2.1	251	35	3.6	0
24/11/2022 23:00	2	268	28	3.5	0
24/11/2022 23:10	1.6	272	32	3	0
24/11/2022 23:20	1.6	274	30	2.8	0
24/11/2022 23:30	1.8	275	24	3.2	0
24/11/2022 23:40	1.2	276	38	2.4	0
24/11/2022 23:50	0.8	260	43	2	0
25/11/2022 00:00	1.9	279	23	3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/11/2022 00:10	1.7	271	27	2.9	0
25/11/2022 00:20	1.5	255	29	2.7	0
25/11/2022 00:30	1.1	263	49	2.2	0
25/11/2022 00:40	1.4	225	45	2.4	0
25/11/2022 00:50	1.6	279	23	2.4	0
25/11/2022 01:00	1.8	274	17	2.5	0
25/11/2022 01:10	1.4	275	34	2.1	0
25/11/2022 01:20	1.4	274	23	2.3	0
25/11/2022 01:30	1.5	282	24	2.2	0
25/11/2022 01:40	1.4	311	15	2.1	0
25/11/2022 01:50	1.5	298	15	2	0
25/11/2022 02:00	1.5	278	16	2.7	0
25/11/2022 02:10	1.5	272	16	2.3	0
25/11/2022 02:20	1.4	273	18	2.1	0
25/11/2022 02:30	1.8	265	18	2.5	0
25/11/2022 02:40	1.6	277	16	2.4	0
25/11/2022 02:50	1.3	273	21	2.3	0
25/11/2022 03:00	1.2	272	26	2.7	0
25/11/2022 03:10	1.6	272	18	2.5	0
25/11/2022 03:20	1.6	273	17	2.5	0
25/11/2022 03:30	1.1	273	29	2	0
25/11/2022 03:40	1.2	276	24	2.1	0
25/11/2022 03:50	1.3	270	20	2.1	0
25/11/2022 04:00	1.2	275	17	2	0
25/11/2022 04:10	1	252	28	1.6	0
25/11/2022 04:20	1.3	276	16	2.1	0
25/11/2022 04:30	1.4	268	15	2	0
25/11/2022 04:40	1.6	269	17	2.4	0
25/11/2022 04:50	1.1	246	40	2.4	0
25/11/2022 05:00	1.1	272	29	1.9	0
25/11/2022 05:10	0.8	293	27	1.6	0
25/11/2022 05:20	0.8	245	25	1.4	0
25/11/2022 05:30	1	271	26	1.8	0
25/11/2022 05:40	1	285	29	1.7	0
25/11/2022 05:50	1.1	267	35	1.8	0
25/11/2022 06:00	0.7	305	17	1.6	0
25/11/2022 06:10	1.3	330	16	2	0
25/11/2022 06:20	0.9	175	18	1.6	0
25/11/2022 06:30	1.4	177	15	2	0
25/11/2022 06:40	0.8	20	20	1.8	0
25/11/2022 06:50	1	331	29	1.5	0
25/11/2022 07:00	1.1	308	24	2	0
25/11/2022 07:10	1.2	315	26	2.2	0
25/11/2022 07:20	2.6	355	18	3.5	0
25/11/2022 07:30	2.1	176	22	3.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/11/2022 07:40	2.3	7	18	3.4	0
25/11/2022 07:50	2	353	27	3	0
25/11/2022 08:00	2.6	176	18	3.8	0
25/11/2022 08:10	2.5	346	19	4.1	0
25/11/2022 08:20	2.6	175	15	3.6	0
25/11/2022 08:30	2.6	342	20	3.7	0
25/11/2022 08:40	2.5	330	17	3.8	0
25/11/2022 08:50	2.8	339	17	4.1	0
25/11/2022 09:00	3	342	21	4.4	0
25/11/2022 09:10	3	340	15	4.3	0
25/11/2022 09:20	2.8	349	19	4.4	0
25/11/2022 09:30	2.7	329	18	3.9	0
25/11/2022 09:40	2.4	323	19	3.7	0
25/11/2022 09:50	2.3	325	27	3.6	0
25/11/2022 10:00	2.5	335	28	3.7	0
25/11/2022 10:10	2.8	341	23	4	0
25/11/2022 10:20	2.2	323	34	3.9	0
25/11/2022 10:30	2.4	325	37	4.4	0
25/11/2022 10:40	3.1	335	20	4.5	0
25/11/2022 10:50	3	332	20	4.8	0
25/11/2022 11:00	3.2	334	26	5.4	0
25/11/2022 11:10	3.7	340	17	5.4	0
25/11/2022 11:20	3.5	326	20	5.2	0
25/11/2022 11:30	3.3	327	26	5	0
25/11/2022 11:40	3.4	314	24	5.2	0
25/11/2022 11:50	3.3	317	16	5.4	0
25/11/2022 12:00	3.5	313	19	5.2	0
25/11/2022 12:10	3.3	324	27	5.6	0
25/11/2022 12:20	2.9	329	29	5	0
25/11/2022 12:30	3.1	329	25	4.7	0
25/11/2022 12:40	2.9	320	21	4.8	0
25/11/2022 12:50	3.4	327	16	4.8	0
25/11/2022 13:00	3.7	330	18	5.1	0
25/11/2022 13:10	3.3	329	17	5.2	0
25/11/2022 13:20	3.2	311	21	4.8	0
25/11/2022 13:30	3.9	327	17	5.4	0
25/11/2022 13:40	3.4	330	24	5.2	0
25/11/2022 13:50	3.5	326	22	5.9	0
25/11/2022 14:00	3.7	328	18	5.4	0
25/11/2022 14:10	3.9	329	16	6.6	0
25/11/2022 14:20	3.9	330	18	5.8	0
25/11/2022 14:30	3.8	330	18	5.7	0
25/11/2022 14:40	4.1	333	19	5.7	0
25/11/2022 14:50	3.9	324	20	5.2	0
25/11/2022 15:00	3.9	332	16	5.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/11/2022 15:10	4.2	339	16	5.6	0
25/11/2022 15:20	3.7	325	18	5.4	0
25/11/2022 15:30	4	320	18	5.6	0
25/11/2022 15:40	4	325	14	5.5	0
25/11/2022 15:50	4.1	325	18	6	0
25/11/2022 16:00	4	320	16	5.9	0
25/11/2022 16:10	4.3	324	15	6.4	0
25/11/2022 16:20	4.4	324	17	6	0
25/11/2022 16:30	4.4	326	13	6.4	0
25/11/2022 16:40	3.9	318	20	5.5	0
25/11/2022 16:50	3.1	304	20	5.1	0
25/11/2022 17:00	3	289	27	4.6	0
25/11/2022 17:10	3.1	288	23	4.9	0
25/11/2022 17:20	3.5	279	17	4.9	0
25/11/2022 17:30	3.7	279	17	5.2	0
25/11/2022 17:40	3.7	281	19	5.4	0
25/11/2022 17:50	3.3	288	23	5.2	0
25/11/2022 18:00	3.4	287	24	5.7	0
25/11/2022 18:10	2.9	290	27	4.6	0
25/11/2022 18:20	3.1	299	21	4.8	0
25/11/2022 18:30	2.9	292	24	4.4	0
25/11/2022 18:40	2.7	291	24	4.5	0
25/11/2022 18:50	2.4	297	25	4.1	0
25/11/2022 19:00	2.9	283	20	4.6	0
25/11/2022 19:10	3	279	20	4.5	0
25/11/2022 19:20	3	279	20	4.9	0
25/11/2022 19:30	2.4	282	23	4	0
25/11/2022 19:40	3.3	283	20	4.6	0
25/11/2022 19:50	2.8	286	22	4.7	0
25/11/2022 20:00	3.3	277	18	4.9	0
25/11/2022 20:10	2.9	276	24	4.5	0
25/11/2022 20:20	2.6	272	24	4	0
25/11/2022 20:30	2.6	270	23	4.4	0
25/11/2022 20:40	2.8	272	24	4.3	0
25/11/2022 20:50	3.1	270	23	4.8	0
25/11/2022 21:00	3.2	274	17	5	0
25/11/2022 21:10	2.9	271	23	4.9	0
25/11/2022 21:20	3.1	268	23	4.6	0
25/11/2022 21:30	3	274	18	4.8	0
25/11/2022 21:40	3.1	276	19	4.8	0
25/11/2022 21:50	2.6	270	22	4.5	0
25/11/2022 22:00	2.7	276	19	4	0
25/11/2022 22:10	2.1	265	39	4.2	0
25/11/2022 22:20	2.4	273	27	3.8	0
25/11/2022 22:30	2.4	279	22	4	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/11/2022 22:40	2.2	273	22	3.8	0
25/11/2022 22:50	1.9	272	36	3.8	0
25/11/2022 23:00	1.9	264	34	3	0
25/11/2022 23:10	1.8	271	44	3.2	0
25/11/2022 23:20	2.3	279	24	3.9	0
25/11/2022 23:30	2.6	264	32	4.1	0
25/11/2022 23:40	2.7	279	19	4.3	0
25/11/2022 23:50	2.7	268	26	4.8	0
26/11/2022 00:00	2.8	275	22	4.7	0
26/11/2022 00:10	2.8	276	19	4.8	0
26/11/2022 00:20	2.6	270	19	4.7	0
26/11/2022 00:30	2.8	269	21	4.4	0
26/11/2022 00:40	2.8	271	21	4.5	0
26/11/2022 00:50	2.9	277	23	5.4	0
26/11/2022 01:00	2.7	271	21	4.6	0
26/11/2022 01:10	2.5	274	33	4.2	0
26/11/2022 01:20	2.5	275	30	4	0
26/11/2022 01:30	2.4	278	53	4	0
26/11/2022 01:40	2.2	276	42	4.1	0
26/11/2022 01:50	2.3	279	32	3.8	0
26/11/2022 02:00	2	276	31	3.2	0
26/11/2022 02:10	2.4	279	26	4	0
26/11/2022 02:20	1.9	272	34	3.1	0
26/11/2022 02:30	1.4	250	70	2.7	0
26/11/2022 02:40	1.3	296	63	2.8	0
26/11/2022 02:50	2	250	47	3.6	0
26/11/2022 03:00	1.7	243	51	3.7	0
26/11/2022 03:10	1.7	236	56	3.2	0
26/11/2022 03:20	1.9	253	53	3.9	0
26/11/2022 03:30	2	259	40	4	0
26/11/2022 03:40	1.8	248	40	3.2	0
26/11/2022 03:50	1.4	277	63	2.4	0
26/11/2022 04:00	2.1	271	27	3.5	0
26/11/2022 04:10	1.6	270	35	2.7	0
26/11/2022 04:20	1.4	255	72	2.8	0
26/11/2022 04:30	1.8	271	29	3.2	0
26/11/2022 04:40	2.2	275	24	3.3	0
26/11/2022 04:50	2.1	277	21	3.2	0
26/11/2022 05:00	2	286	16	3.3	0
26/11/2022 05:10	1.5	288	25	2.3	0
26/11/2022 05:20	1.7	287	22	2.7	0
26/11/2022 05:30	1.8	301	25	2.7	0
26/11/2022 05:40	1.6	303	20	2.4	0
26/11/2022 05:50	1.5	309	19	2.2	0
26/11/2022 06:00	1.4	301	23	2.1	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/11/2022 06:10	1.5	287	20	2.2	0
26/11/2022 06:20	1.2	300	23	2.2	0
26/11/2022 06:30	1.4	280	33	2.9	0
26/11/2022 06:40	1.9	243	34	3.2	0
26/11/2022 06:50	2	229	37	3.6	0
26/11/2022 07:00	2.5	219	24	3.8	0
26/11/2022 07:10	2.5	198	18	3.9	0
26/11/2022 07:20	1.8	219	35	2.7	0
26/11/2022 07:30	1.7	244	36	3.1	0
26/11/2022 07:40	1.7	241	39	3.1	0
26/11/2022 07:50	1.6	209	32	2.5	0
26/11/2022 08:00	1.9	200	21	3.8	0
26/11/2022 08:10	2.1	198	28	3.8	0
26/11/2022 08:20	2.4	209	28	4.8	0
26/11/2022 08:30	2.5	192	23	4	0
26/11/2022 08:40	2.3	184	26	3.7	0
26/11/2022 08:50	2	159	37	3.1	0
26/11/2022 09:00	1.9	205	31	3.6	0
26/11/2022 09:10	1.7	166	37	3.5	0
26/11/2022 09:20	1.9	173	28	3.7	0
26/11/2022 09:30	1.7	183	61	3.8	0
26/11/2022 09:40	1.8	79	31	2.8	0
26/11/2022 09:50	2.1	181	55	3.3	0
26/11/2022 10:00	1.7	182	67	2.7	0
26/11/2022 10:10	3	61	14	4	0
26/11/2022 10:20	2.9	61	14	4	0
26/11/2022 10:30	2.5	65	23	4.7	0
26/11/2022 10:40	2.1	158	50	5.1	0
26/11/2022 10:50	3.2	336	22	5.3	0
26/11/2022 11:00	3.5	329	18	5.5	0
26/11/2022 11:10	3.1	339	20	4.8	0
26/11/2022 11:20	3.4	322	22	5	0
26/11/2022 11:30	2.9	315	20	4.8	0
26/11/2022 11:40	3.6	323	22	5	0
26/11/2022 11:50	3.6	321	21	5.4	0
26/11/2022 12:00	4.1	323	15	6	0
26/11/2022 12:10	3.8	318	19	6	0
26/11/2022 12:20	3.5	314	19	5.1	0
26/11/2022 12:30	3.4	313	22	5.7	0
26/11/2022 12:40	3.8	320	24	6.1	0
26/11/2022 12:50	3.7	314	24	6.5	0
26/11/2022 13:00	3.6	324	18	5.7	0
26/11/2022 13:10	3.6	324	18	5.2	0
26/11/2022 13:20	3.9	322	16	6	0
26/11/2022 13:30	3.6	311	20	5.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/11/2022 13:40	4.1	322	17	5.9	0
26/11/2022 13:50	4.4	323	16	6	0
26/11/2022 14:00	4.2	318	19	6.8	0
26/11/2022 14:10	4.5	320	21	6.8	0
26/11/2022 14:20	4.6	321	18	6.5	0
26/11/2022 14:30	4.6	318	17	6.4	0
26/11/2022 14:40	4.4	309	23	7.5	0
26/11/2022 14:50	3.9	300	25	6.5	0
26/11/2022 15:00	4.6	319	18	6.7	0
26/11/2022 15:10	4.6	325	18	7.2	0
26/11/2022 15:20	3.6	303	22	6	0
26/11/2022 15:30	4	294	21	6.6	0
26/11/2022 15:40	3.2	282	26	5.3	0
26/11/2022 15:50	3.2	282	21	5.1	0
26/11/2022 16:00	3.3	287	20	5.3	0
26/11/2022 16:10	3.5	284	25	5.3	0
26/11/2022 16:20	3.5	285	23	5.5	0
26/11/2022 16:30	3.2	274	23	4.5	0
26/11/2022 16:40	3.7	264	21	5.1	0
26/11/2022 16:50	3.1	294	25	4.8	0
26/11/2022 17:00	3.5	298	19	5.4	0
26/11/2022 17:10	3.5	299	20	5.6	0
26/11/2022 17:20	3.8	293	18	5.6	0
26/11/2022 17:30	4	300	19	5.7	0
26/11/2022 17:40	3.3	294	22	5.2	0
26/11/2022 17:50	3.7	280	20	5.7	0
26/11/2022 18:00	3.4	287	23	5.3	0
26/11/2022 18:10	3.3	288	24	5.4	0
26/11/2022 18:20	3.2	288	21	4.9	0
26/11/2022 18:30	3.4	287	23	5.6	0
26/11/2022 18:40	3.2	276	21	5.9	0
26/11/2022 18:50	3.3	281	22	5.2	0
26/11/2022 19:00	4	273	19	6.4	0
26/11/2022 19:10	3.9	274	20	5.9	0
26/11/2022 19:20	3.5	276	22	5.2	0
26/11/2022 19:30	3.6	270	21	5.4	0
26/11/2022 19:40	3.7	270	20	5.5	0
26/11/2022 19:50	3.6	270	21	5.7	0
26/11/2022 20:00	3.2	276	23	4.9	0
26/11/2022 20:10	3.2	273	24	5.2	0
26/11/2022 20:20	3.4	270	22	5.2	0
26/11/2022 20:30	3.6	272	20	5.1	0
26/11/2022 20:40	3.2	273	23	5.2	0
26/11/2022 20:50	3	275	23	5.1	0
26/11/2022 21:00	3	276	22	5.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/11/2022 21:10	2.9	263	28	5.2	0
26/11/2022 21:20	3.2	271	20	5.3	0
26/11/2022 21:30	2.9	270	22	4.3	0
26/11/2022 21:40	3.3	269	22	4.9	0
26/11/2022 21:50	3.5	271	22	5.9	0
26/11/2022 22:00	3	275	25	5.2	0
26/11/2022 22:10	3.2	274	24	5.2	0
26/11/2022 22:20	3.6	264	27	5.9	0
26/11/2022 22:30	3.8	270	22	6.3	0
26/11/2022 22:40	3.2	276	25	5.6	0
26/11/2022 22:50	3.6	269	24	6.1	0
26/11/2022 23:00	3.7	272	27	6	0
26/11/2022 23:10	3.6	270	23	5.5	0
26/11/2022 23:20	4.1	271	20	5.8	0
26/11/2022 23:30	4	265	20	6.1	0
26/11/2022 23:40	4.1	273	20	6.7	0
26/11/2022 23:50	4.1	270	21	6.1	0
27/11/2022 00:00	3.8	266	29	6.5	0
27/11/2022 00:10	3.6	270	24	5.7	0
27/11/2022 00:20	3.3	266	32	5.3	0
27/11/2022 00:30	3.4	266	29	5.8	0
27/11/2022 00:40	3	271	34	5.7	0
27/11/2022 00:50	2.7	268	42	5	0
27/11/2022 01:00	2.7	266	50	5.6	0
27/11/2022 01:10	3	271	32	5.1	0
27/11/2022 01:20	2.8	274	33	4.7	0
27/11/2022 01:30	2.2	270	34	3.6	0
27/11/2022 01:40	2.5	268	38	5.3	0
27/11/2022 01:50	1.9	249	58	3.6	0
27/11/2022 02:00	2.2	261	45	4.5	0
27/11/2022 02:10	2.2	257	43	5	0
27/11/2022 02:20	2.2	262	52	4.2	0
27/11/2022 02:30	1.7	264	60	3.5	0
27/11/2022 02:40	1.4	234	78	2.8	0
27/11/2022 02:50	1.5	235	67	3.2	0
27/11/2022 03:00	1.7	256	60	3.3	0
27/11/2022 03:10	1.2	291	68	2.8	0
27/11/2022 03:20	1.5	255	71	2.8	0
27/11/2022 03:30	1.3	211	56	2.9	0
27/11/2022 03:40	1.1	247	80	2.5	0
27/11/2022 03:50	1.3	217	71	2.7	0
27/11/2022 04:00	1	163	82	2.3	0
27/11/2022 04:10	1.1	202	73	1.9	0
27/11/2022 04:20	0.8	123	52	1.4	0
27/11/2022 04:30	1.1	151	52	1.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/11/2022 04:40	0.8	318	74	1.6	0
27/11/2022 04:50	1.2	169	73	2.5	0
27/11/2022 05:00	1.8	196	43	3.7	0
27/11/2022 05:10	1.8	198	30	3	0
27/11/2022 05:20	2	205	42	4.4	0
27/11/2022 05:30	2.5	205	22	4.2	0
27/11/2022 05:40	2.7	204	20	4.3	0
27/11/2022 05:50	2.9	201	15	4.1	0
27/11/2022 06:00	3.3	205	11	4.4	0
27/11/2022 06:10	3.1	201	11	4.2	0
27/11/2022 06:20	2.9	204	13	3.9	0
27/11/2022 06:30	3	204	10	3.9	0
27/11/2022 06:40	3.1	205	10	3.9	0
27/11/2022 06:50	3	204	10	4	0
27/11/2022 07:00	2.2	174	19	3.4	0
27/11/2022 07:10	2	163	26	3.5	0
27/11/2022 07:20	2.3	155	20	3.3	0
27/11/2022 07:30	2.2	155	22	3.3	0
27/11/2022 07:40	2.2	133	23	3.7	0
27/11/2022 07:50	2.4	118	21	3.6	0
27/11/2022 08:00	2.2	119	21	3.6	0
27/11/2022 08:10	2.3	113	18	3.7	0
27/11/2022 08:20	1.9	87	22	2.8	0
27/11/2022 08:30	2.5	88	18	3.3	0
27/11/2022 08:40	2.3	77	18	3.2	0
27/11/2022 08:50	2.2	56	17	3.2	0
27/11/2022 09:00	2	73	20	3.2	0
27/11/2022 09:10	2	57	21	3.6	0
27/11/2022 09:20	2.2	64	19	3	0
27/11/2022 09:30	2.2	59	18	2.9	0
27/11/2022 09:40	2.2	53	18	3.2	0
27/11/2022 09:50	2.3	54	19	3.1	0
27/11/2022 10:00	2.5	56	18	3.6	0
27/11/2022 10:10	2.8	59	17	3.9	0
27/11/2022 10:20	3.3	51	14	4.4	0
27/11/2022 10:30	3.6	54	15	4.4	0
27/11/2022 10:40	3.7	41	11	4.9	0
27/11/2022 10:50	4.1	42	11	5.3	0
27/11/2022 11:00	4.3	45	12	5.6	0
27/11/2022 11:10	4.1	48	14	5.5	0
27/11/2022 11:20	3.8	47	15	5.3	0
27/11/2022 11:30	3.6	53	16	4.9	0
27/11/2022 11:40	3.6	48	15	5.2	0
27/11/2022 11:50	3.4	55	15	4.8	0
27/11/2022 12:00	3.4	48	15	4.5	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/11/2022 12:10	3.6	48	14	5.2	0
27/11/2022 12:20	4.3	49	15	5.6	0
27/11/2022 12:30	4.2	46	13	6	0
27/11/2022 12:40	4.5	48	13	6.2	0
27/11/2022 12:50	4.4	57	12	5.9	0
27/11/2022 13:00	4.1	58	13	5.7	0
27/11/2022 13:10	4	52	14	5.2	0
27/11/2022 13:20	4.2	55	13	5.3	0
27/11/2022 13:30	3.9	56	13	5.3	0
27/11/2022 13:40	4	36	19	5.6	0
27/11/2022 13:50	3.3	183	21	4.7	0
27/11/2022 14:00	3.6	345	20	5.4	0
27/11/2022 14:10	4.1	314	19	6.3	0
27/11/2022 14:20	4	314	17	6	0
27/11/2022 14:30	3.6	312	23	5.5	0
27/11/2022 14:40	4.2	325	18	6.4	0
27/11/2022 14:50	4.2	320	18	5.6	0
27/11/2022 15:00	3.2	313	27	5.1	0
27/11/2022 15:10	3.7	327	19	5.8	0
27/11/2022 15:20	3.7	334	23	5.1	0
27/11/2022 15:30	4	332	17	5.6	0
27/11/2022 15:40	4	338	17	5.7	0
27/11/2022 15:50	4	340	14	5.5	0
27/11/2022 16:00	3.6	328	19	5.6	0
27/11/2022 16:10	3.4	321	20	5.2	0
27/11/2022 16:20	2.7	293	30	4.3	0
27/11/2022 16:30	3.5	303	21	5.2	0
27/11/2022 16:40	3.3	270	18	5.2	0
27/11/2022 16:50	3.6	280	20	5.2	0
27/11/2022 17:00	3.5	293	22	5.4	0
27/11/2022 17:10	3.5	300	21	5.3	0
27/11/2022 17:20	3.2	293	22	4.9	0
27/11/2022 17:30	3.7	295	22	5.7	0
27/11/2022 17:40	3.1	286	24	4.8	0
27/11/2022 17:50	2.7	273	23	4.2	0
27/11/2022 18:00	2.9	282	19	4.6	0
27/11/2022 18:10	2.9	282	25	4.5	0
27/11/2022 18:20	2.9	278	23	4.7	0
27/11/2022 18:30	3	292	23	4.7	0
27/11/2022 18:40	3.1	296	19	4.8	0
27/11/2022 18:50	3	299	23	4.8	0
27/11/2022 19:00	2.7	294	21	4.4	0
27/11/2022 19:10	2.9	275	21	4.5	0
27/11/2022 19:20	2.8	278	27	4.8	0
27/11/2022 19:30	3.1	277	20	4.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/11/2022 19:40	3.4	279	18	4.8	0
27/11/2022 19:50	3.3	280	21	5.7	0
27/11/2022 20:00	3	284	26	5.2	0
27/11/2022 20:10	3.3	276	20	5	0
27/11/2022 20:20	2.9	283	21	4.7	0
27/11/2022 20:30	2.9	277	22	4.6	0
27/11/2022 20:40	3.1	275	20	4.7	0
27/11/2022 20:50	2.9	282	24	4.4	0
27/11/2022 21:00	2.7	277	23	4.4	0
27/11/2022 21:10	3.1	273	21	4.7	0
27/11/2022 21:20	2.7	277	18	4.4	0
27/11/2022 21:30	2.5	284	23	4	0
27/11/2022 21:40	3	272	21	4.9	0
27/11/2022 21:50	2.9	271	22	4.8	0
27/11/2022 22:00	2.7	284	23	4.2	0
27/11/2022 22:10	2.2	278	29	3.5	0
27/11/2022 22:20	2.5	269	30	4.2	0
27/11/2022 22:30	2.6	273	29	4.1	0
27/11/2022 22:40	2.7	271	21	4	0
27/11/2022 22:50	2.9	268	24	5	0
27/11/2022 23:00	2.8	275	33	4.5	0
27/11/2022 23:10	3.1	268	23	4.8	0
27/11/2022 23:20	2.9	271	28	5	0
27/11/2022 23:30	2.3	282	48	4.4	0
27/11/2022 23:40	2.1	257	64	3.9	0
27/11/2022 23:50	2	265	36	3.6	0
28/11/2022 00:00	2.3	267	38	4.2	0
28/11/2022 00:10	2.2	259	35	4.1	0
28/11/2022 00:20	2.6	263	28	4.2	0
28/11/2022 00:30	2.3	269	27	4	0
28/11/2022 00:40	2.7	269	31	4.4	0
28/11/2022 00:50	2.6	264	36	4.7	0
28/11/2022 01:00	2.1	269	34	3.6	0
28/11/2022 01:10	2.2	258	54	4.3	0
28/11/2022 01:20	2.3	258	40	4	0
28/11/2022 01:30	2.3	251	35	4.2	0
28/11/2022 01:40	2.4	259	34	4.4	0
28/11/2022 01:50	2.4	258	47	4.5	0
28/11/2022 02:00	2	247	54	4.5	0
28/11/2022 02:10	3	256	24	4.8	0
28/11/2022 02:20	2.5	254	40	4.4	0
28/11/2022 02:30	2.1	225	50	4.2	0
28/11/2022 02:40	2.3	239	47	5	0
28/11/2022 02:50	1.9	227	67	4.5	0
28/11/2022 03:00	1.4	260	80	2.8	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/11/2022 03:10	1.6	230	65	3.5	0
28/11/2022 03:20	1.4	204	79	3	0
28/11/2022 03:30	2	231	53	3.6	0
28/11/2022 03:40	1.7	216	57	3.4	0
28/11/2022 03:50	2	215	49	4	0
28/11/2022 04:00	2	207	53	5	0
28/11/2022 04:10	1.8	222	55	3.9	0
28/11/2022 04:20	2	238	59	5.1	0
28/11/2022 04:30	1.8	231	58	3.5	0
28/11/2022 04:40	2	205	41	3.6	0
28/11/2022 04:50	2.1	217	54	4	0
28/11/2022 05:00	1.8	267	61	3.8	0
28/11/2022 05:10	1.5	223	54	2.6	0
28/11/2022 05:20	2.1	227	46	3.7	0
28/11/2022 05:30	1.7	230	42	2.9	0
28/11/2022 05:40	1.6	219	60	3.7	0
28/11/2022 05:50	1.6	192	66	3.3	0
28/11/2022 06:00	1.9	192	39	3.3	0
28/11/2022 06:10	2.1	200	46	3.7	0
28/11/2022 06:20	3.3	185	16	4.8	0
28/11/2022 06:30	3.4	195	19	4.9	0
28/11/2022 06:40	2.2	215	42	4.5	0
28/11/2022 06:50	1.7	223	50	3.7	0
28/11/2022 07:00	2	206	39	3.6	0
28/11/2022 07:10	2.1	271	44	3.5	0
28/11/2022 07:20	2	263	41	3.8	0
28/11/2022 07:30	1.7	275	48	2.6	0
28/11/2022 07:40	2.1	204	25	3.4	0
28/11/2022 07:50	2.2	173	16	3.4	0
28/11/2022 08:00	2.4	200	13	3.5	0
28/11/2022 08:10	2.2	193	21	3.2	0
28/11/2022 08:20	1.9	174	26	3.1	0
28/11/2022 08:30	1.4	90	40	2.4	0
28/11/2022 08:40	1.6	81	31	2.5	0
28/11/2022 08:50	1.9	73	34	2.9	0
28/11/2022 09:00	1.3	124	42	2	0
28/11/2022 09:10	1.5	141	21	2.4	0
28/11/2022 09:20	1.4	183	67	2.3	0
28/11/2022 09:30	2	82	31	3.1	0
28/11/2022 09:40	2.1	116	22	2.8	0
28/11/2022 09:50	2.4	64	39	3.2	0
28/11/2022 10:00	2.6	69	19	3.4	0
28/11/2022 10:10	2	55	49	3	0
28/11/2022 10:20	2.6	72	24	3.5	0
28/11/2022 10:30	2.7	48	14	3.2	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/11/2022 10:40	2.5	58	16	3.6	0
28/11/2022 10:50	2.6	61	15	3.4	0
28/11/2022 11:00	2.3	61	12	3.2	0
28/11/2022 11:10	2.1	52	31	3.1	0
28/11/2022 11:20	2.5	266	22	3.9	0
28/11/2022 11:30	2.7	279	25	4.1	0
28/11/2022 11:40	2.6	277	28	3.6	0
28/11/2022 11:50	2.7	257	27	4.4	0
28/11/2022 12:00	2.9	285	21	4.6	0
28/11/2022 12:10	2.9	274	25	4.8	0
28/11/2022 12:20	3.1	279	26	4.7	0
28/11/2022 12:30	3.4	280	24	5.3	0
28/11/2022 12:40	3.7	266	18	5.1	0
28/11/2022 12:50	3.2	261	20	4.4	0
28/11/2022 13:00	3.3	269	20	4.7	0
28/11/2022 13:10	3.7	260	20	5.4	0
28/11/2022 13:20	3.7	261	19	5.2	0
28/11/2022 13:30	3.7	259	18	5.6	0
28/11/2022 13:40	3.6	266	19	5.7	0
28/11/2022 13:50	4.2	262	20	6	0
28/11/2022 14:00	4	264	20	5.4	0
28/11/2022 14:10	3.9	269	19	6	0
28/11/2022 14:20	3.7	268	22	5.5	0
28/11/2022 14:30	3.9	273	18	5.9	0
28/11/2022 14:40	3.9	270	19	5.6	0
28/11/2022 14:50	4.2	266	20	5.7	0
28/11/2022 15:00	3.5	272	23	5.6	0
28/11/2022 15:10	3.7	270	24	5.6	0
28/11/2022 15:20	3.7	278	22	5.8	0
28/11/2022 15:30	3.7	278	19	5.6	0
28/11/2022 15:40	3.7	279	23	5.5	0
28/11/2022 15:50	3.7	268	19	5.6	0
28/11/2022 16:00	3.9	269	20	5.7	0
28/11/2022 16:10	3.2	267	31	5.2	0
28/11/2022 16:20	3.7	265	27	6.2	0
28/11/2022 16:30	3.7	272	25	6.1	0
28/11/2022 16:40	3.2	262	27	5.9	0
28/11/2022 16:50	3	268	24	5.2	0
28/11/2022 17:00	3.2	260	25	5	0
28/11/2022 17:10	3.6	271	15	5.1	0
28/11/2022 17:20	3.4	273	19	5.6	0
28/11/2022 17:30	3.7	280	19	5.5	0
28/11/2022 17:40	3	271	22	5	0
28/11/2022 17:50	3.4	267	26	5.4	0
28/11/2022 18:00	2.4	255	35	4.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/11/2022 18:10	3.9	274	20	5.8	0
28/11/2022 18:20	4.3	270	25	6.8	0
28/11/2022 18:30	4.1	273	21	6.6	0
28/11/2022 18:40	4.2	262	23	6.4	0
28/11/2022 18:50	4.4	268	18	6.6	0
28/11/2022 19:00	3.9	274	18	5.8	0
28/11/2022 19:10	3	275	29	5.5	0
28/11/2022 19:20	2.9	271	34	4.4	0
28/11/2022 19:30	3	275	26	4.8	0
28/11/2022 19:40	2.6	279	23	4.4	0.1
28/11/2022 19:50	3.1	275	23	4.7	0
28/11/2022 20:00	2.1	255	45	4.1	0
28/11/2022 20:10	2.4	248	51	4.4	0
28/11/2022 20:20	2.3	236	51	4.1	0
28/11/2022 20:30	1.9	230	48	3.5	0
28/11/2022 20:40	2.2	232	41	4.2	0
28/11/2022 20:50	2.2	262	42	3.8	0
28/11/2022 21:00	2.5	271	37	4.6	0
28/11/2022 21:10	2.5	269	27	4.3	0
28/11/2022 21:20	2.1	253	39	3.4	0
28/11/2022 21:30	2.8	276	24	4.8	0
28/11/2022 21:40	2.4	280	40	4.4	0
28/11/2022 21:50	3.1	278	19	4.8	0
28/11/2022 22:00	2.7	268	27	4.4	0
28/11/2022 22:10	2.6	276	34	4.6	0
28/11/2022 22:20	2.3	265	44	4.7	0
28/11/2022 22:30	1.9	259	66	3.6	0
28/11/2022 22:40	2.4	261	45	4.7	0
28/11/2022 22:50	2.4	261	40	4.3	0
28/11/2022 23:00	1.7	244	67	3.3	0
28/11/2022 23:10	2.5	259	36	4.3	0
28/11/2022 23:20	2.7	270	28	4.8	0
28/11/2022 23:30	1.8	282	59	4	0
28/11/2022 23:40	2.6	275	38	4.8	0
28/11/2022 23:50	2.8	270	39	4.4	0
29/11/2022 00:00	3	272	25	5	0
29/11/2022 00:10	3.3	272	31	5.5	0
29/11/2022 00:20	3.2	274	34	5.3	0
29/11/2022 00:30	2.4	252	52	4.7	0
29/11/2022 00:40	3	275	32	6	0
29/11/2022 00:50	2.7	255	49	4.9	0
29/11/2022 01:00	3.3	268	38	5.9	0
29/11/2022 01:10	3.4	268	39	6.5	0
29/11/2022 01:20	2.7	263	38	5.2	0
29/11/2022 01:30	3.1	260	43	6.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/11/2022 01:40	2.9	265	40	5.4	0
29/11/2022 01:50	3.1	265	35	5.4	0
29/11/2022 02:00	3.1	276	32	5.4	0
29/11/2022 02:10	3.3	274	29	5.5	0
29/11/2022 02:20	2.8	271	44	5.2	0
29/11/2022 02:30	3	273	32	6.1	0
29/11/2022 02:40	2.7	262	45	4.9	0
29/11/2022 02:50	3	263	42	5.6	0
29/11/2022 03:00	2.8	266	44	5.6	0
29/11/2022 03:10	2.5	267	51	5.4	0
29/11/2022 03:20	2.8	272	45	6	0
29/11/2022 03:30	3.1	270	43	5.2	0
29/11/2022 03:40	2.9	273	46	5.5	0
29/11/2022 03:50	2.6	259	50	5	0
29/11/2022 04:00	3.4	271	32	5.6	0
29/11/2022 04:10	2.5	249	57	4.8	0
29/11/2022 04:20	2.4	220	44	4.4	0
29/11/2022 04:30	2.1	209	64	4.1	0
29/11/2022 04:40	2.2	253	52	4.8	0
29/11/2022 04:50	2.2	250	70	4.6	0
29/11/2022 05:00	2.8	272	38	5.7	0
29/11/2022 05:10	2.5	268	54	5	0
29/11/2022 05:20	2.5	270	52	4.4	0
29/11/2022 05:30	2.2	239	67	4.1	0
29/11/2022 05:40	2.2	244	52	3.9	0
29/11/2022 05:50	2.1	261	56	4.4	0
29/11/2022 06:00	2.3	259	54	5	0
29/11/2022 06:10	2.2	253	57	5.2	0
29/11/2022 06:20	2.5	256	48	5.2	0
29/11/2022 06:30	2.5	268	48	4.5	0
29/11/2022 06:40	2.7	261	36	4.9	0
29/11/2022 06:50	2.6	253	50	5.1	0
29/11/2022 07:00	3.2	247	40	5.9	0
29/11/2022 07:10	2.6	249	40	4.9	0
29/11/2022 07:20	3.2	271	28	6	0
29/11/2022 07:30	3.4	271	30	5.9	0
29/11/2022 07:40	2.6	281	27	4.6	0
29/11/2022 07:50	2.8	274	26	4.8	0
29/11/2022 08:00	3.6	268	22	5.2	0
29/11/2022 08:10	1.9	216	65	3.5	0
29/11/2022 08:20	3.4	195	13	5.4	0
29/11/2022 08:30	3.2	189	22	4.5	0
29/11/2022 08:40	2.9	190	17	4.6	0
29/11/2022 08:50	2.7	211	29	4.6	0
29/11/2022 09:00	2.6	187	30	4.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/11/2022 09:10	2.3	208	24	3.9	0
29/11/2022 09:20	2	231	30	3.2	0
29/11/2022 09:30	2	188	29	3.7	0
29/11/2022 09:40	2.2	235	32	3.6	0
29/11/2022 09:50	1.9	185	31	3.7	0
29/11/2022 10:00	2.5	172	29	4.4	0
29/11/2022 10:10	1.4	207	84	2.4	0
29/11/2022 10:20	3	179	44	4.6	0
29/11/2022 10:30	2.3	68	35	3.8	0
29/11/2022 10:40	3.1	55	11	4	0
29/11/2022 10:50	3.4	52	13	4.7	0
29/11/2022 11:00	2.3	31	27	3.5	0
29/11/2022 11:10	2.1	13	40	3.6	0
29/11/2022 11:20	2.1	36	26	3.8	0
29/11/2022 11:30	2.2	49	21	3.2	0
29/11/2022 11:40	2.3	51	22	4.4	0
29/11/2022 11:50	3.9	186	52	7.8	0
29/11/2022 12:00	3.2	207	36	5.6	0
29/11/2022 12:10	3.1	344	28	5.1	0
29/11/2022 12:20	3.2	340	34	5.6	0
29/11/2022 12:30	3.6	28	32	5.9	0
29/11/2022 12:40	4.3	58	13	5.8	0
29/11/2022 12:50	4.7	58	10	6	0
29/11/2022 13:00	4.6	58	11	5.6	0
29/11/2022 13:10	4.3	59	9	5.4	0
29/11/2022 13:20	4	58	11	4.9	0
29/11/2022 13:30	4.1	58	9	5	0
29/11/2022 13:40	4	60	12	5.1	0
29/11/2022 13:50	4.2	57	10	5.2	0
29/11/2022 14:00	4.3	61	12	5.6	0
29/11/2022 14:10	4	60	13	5.6	0
29/11/2022 14:20	4	55	16	6	0
29/11/2022 14:30	3.4	175	44	5.2	0
29/11/2022 14:40	3.7	346	18	5.2	0
29/11/2022 14:50	3.7	321	23	5.8	0
29/11/2022 15:00	3.3	306	28	5.3	0
29/11/2022 15:10	3.8	320	19	5.8	0
29/11/2022 15:20	3.6	307	23	5.7	0
29/11/2022 15:30	3.7	322	21	5.7	0
29/11/2022 15:40	3.7	314	26	5.8	0
29/11/2022 15:50	3.4	311	20	5.6	0
29/11/2022 16:00	3.8	321	21	5.4	0
29/11/2022 16:10	4.1	322	19	5.8	0
29/11/2022 16:20	4.1	324	17	5.6	0
29/11/2022 16:30	3.4	314	21	5.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/11/2022 16:40	3.3	287	24	5.9	0
29/11/2022 16:50	3.3	286	24	5.2	0
29/11/2022 17:00	3.3	286	25	5.2	0
29/11/2022 17:10	3.5	293	21	5.6	0
29/11/2022 17:20	3.7	283	20	5.7	0
29/11/2022 17:30	4	292	21	5.9	0
29/11/2022 17:40	3.7	282	21	5.6	0
29/11/2022 17:50	3.1	291	21	4.8	0
29/11/2022 18:00	3.2	282	21	5	0
29/11/2022 18:10	2.8	277	21	4.6	0
29/11/2022 18:20	3	277	20	4.3	0
29/11/2022 18:30	3.1	271	20	4.7	0
29/11/2022 18:40	2.5	264	28	3.7	0
29/11/2022 18:50	2.7	267	27	4.8	0
29/11/2022 19:00	3.4	272	17	4.9	0
29/11/2022 19:10	3	278	16	4.4	0
29/11/2022 19:20	3.4	277	17	4.8	0
29/11/2022 19:30	3	269	26	4.9	0
29/11/2022 19:40	2.8	255	34	4.5	0
29/11/2022 19:50	2.1	246	51	4.3	0
29/11/2022 20:00	3.5	266	23	5.6	0
29/11/2022 20:10	3.7	270	21	5.6	0
29/11/2022 20:20	3.5	270	28	5.5	0
29/11/2022 20:30	3.4	263	30	5.7	0
29/11/2022 20:40	3	273	31	5.4	0
29/11/2022 20:50	3.3	272	20	5.1	0
29/11/2022 21:00	3.1	274	20	5.6	0
29/11/2022 21:10	3.8	270	23	5.8	0
29/11/2022 21:20	3.3	272	30	5.2	0
29/11/2022 21:30	2.6	275	34	5.2	0
29/11/2022 21:40	2.9	263	32	5.2	0
29/11/2022 21:50	2.9	263	31	5.6	0
29/11/2022 22:00	3.1	270	34	5.8	0
29/11/2022 22:10	2.6	276	28	4.3	0
29/11/2022 22:20	2.5	261	39	4.9	0
29/11/2022 22:30	1.8	253	42	3.4	0
29/11/2022 22:40	2.6	265	29	4.7	0
29/11/2022 22:50	2.4	266	36	5	0
29/11/2022 23:00	1.7	238	50	3.2	0
29/11/2022 23:10	2	236	53	3.7	0
29/11/2022 23:20	1.7	257	55	3.9	0
29/11/2022 23:30	1.8	228	56	3.9	0
29/11/2022 23:40	1.7	248	66	3.9	0
29/11/2022 23:50	2	248	58	3.6	0
30/11/2022 00:00	2.6	254	36	4.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/11/2022 00:10	2.1	212	52	4	0
30/11/2022 00:20	1.3	181	69	2.7	0
30/11/2022 00:30	1.9	242	49	4.1	0
30/11/2022 00:40	1.5	242	64	3.2	0
30/11/2022 00:50	1.2	276	57	2.5	0
30/11/2022 01:00	1.2	259	53	2.4	0
30/11/2022 01:10	0.8	275	39	1.9	0
30/11/2022 01:20	1	289	31	2.1	0
30/11/2022 01:30	0.9	289	25	2	0
30/11/2022 01:40	1.8	284	21	3.2	0
30/11/2022 01:50	1.3	272	40	2.8	0
30/11/2022 02:00	1.6	276	23	3	0
30/11/2022 02:10	1.7	280	17	2.8	0
30/11/2022 02:20	1.5	279	23	2.5	0
30/11/2022 02:30	1.5	277	22	2.3	0
30/11/2022 02:40	1.7	274	22	2.7	0
30/11/2022 02:50	2.6	285	21	4.2	0
30/11/2022 03:00	2.8	278	24	4.3	0
30/11/2022 03:10	2.7	288	18	4.1	0
30/11/2022 03:20	2.7	288	25	4.6	0
30/11/2022 03:30	2.7	283	23	4.4	0
30/11/2022 03:40	2.6	293	24	4.2	0
30/11/2022 03:50	3.1	303	25	4.8	0
30/11/2022 04:00	2.7	280	22	4.1	0
30/11/2022 04:10	2.2	280	26	3.9	0
30/11/2022 04:20	2	280	27	3.3	0
30/11/2022 04:30	2.1	280	24	3.6	0
30/11/2022 04:40	2.3	267	19	4	0
30/11/2022 04:50	2	277	19	3.2	0
30/11/2022 05:00	1.8	276	28	3.3	0
30/11/2022 05:10	2.3	263	20	3.6	0
30/11/2022 05:20	2.3	270	29	3.7	0
30/11/2022 05:30	2.6	271	19	4	0
30/11/2022 05:40	2.4	269	24	3.6	0
30/11/2022 05:50	2.5	273	23	3.8	0
30/11/2022 06:00	2.1	265	30	4	0
30/11/2022 06:10	1.6	261	43	3.2	0
30/11/2022 06:20	2.6	268	22	4	0
30/11/2022 06:30	2.5	266	29	4.1	0
30/11/2022 06:40	2.6	258	38	4.6	0
30/11/2022 06:50	2.9	268	20	4.5	0
30/11/2022 07:00	3.1	270	24	4.6	0
30/11/2022 07:10	3.2	269	21	4.9	0
30/11/2022 07:20	2.3	274	41	4.2	0
30/11/2022 07:30	2.8	278	24	4.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/11/2022 07:40	2.8	274	25	4.4	0
30/11/2022 07:50	2.7	270	26	4.7	0
30/11/2022 08:00	2.9	271	22	4.6	0
30/11/2022 08:10	3.1	271	21	4.7	0
30/11/2022 08:20	2.6	281	36	5.2	0
30/11/2022 08:30	2.6	259	23	4.3	0
30/11/2022 08:40	1.9	234	39	3.3	0
30/11/2022 08:50	2.1	266	39	3.6	0
30/11/2022 09:00	2.6	272	29	4.8	0
30/11/2022 09:10	2.7	287	29	4.2	0
30/11/2022 09:20	2.5	308	27	4.2	0
30/11/2022 09:30	1.8	264	41	2.8	0
30/11/2022 09:40	2.4	272	22	4	0
30/11/2022 09:50	2.7	278	28	4	0
30/11/2022 10:00	2.4	271	29	3.7	0
30/11/2022 10:10	2.7	279	29	4	0
30/11/2022 10:20	2.7	299	25	4	0
30/11/2022 10:30	2.4	300	30	3.7	0
30/11/2022 10:40	2.7	267	22	4	0
30/11/2022 10:50	2.8	278	24	4.5	0
30/11/2022 11:00	2.9	266	23	4.3	0
30/11/2022 11:10	3	259	27	4.4	0
30/11/2022 11:20	3	274	26	4.8	0
30/11/2022 11:30	3	275	29	5.1	0
30/11/2022 11:40	3.4	261	20	5.1	0
30/11/2022 11:50	3.5	279	22	5.6	0
30/11/2022 12:00	2.9	276	24	4.7	0
30/11/2022 12:10	3.3	297	25	5.5	0
30/11/2022 12:20	3.1	306	26	5.1	0
30/11/2022 12:30	3.4	281	27	5	0
30/11/2022 12:40	3.3	284	29	4.8	0
30/11/2022 12:50	3.6	264	22	5.8	0
30/11/2022 13:00	4	274	26	6	0
30/11/2022 13:10	3.9	265	21	6.1	0
30/11/2022 13:20	3.9	276	20	6.1	0
30/11/2022 13:30	3.8	280	30	5.7	0
30/11/2022 13:40	3.9	280	22	6.7	0
30/11/2022 13:50	3.9	290	27	5.8	0
30/11/2022 14:00	3.8	298	19	5.6	0
30/11/2022 14:10	3.5	297	23	6	0
30/11/2022 14:20	4	302	21	6.3	0
30/11/2022 14:30	3.8	294	22	5.5	0
30/11/2022 14:40	3.3	301	23	5.3	0
30/11/2022 14:50	4.1	301	19	5.8	0
30/11/2022 15:00	3.7	305	25	5.8	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/11/2022 15:10	4.2	303	23	6.4	0
30/11/2022 15:20	3.4	285	21	5.2	0
30/11/2022 15:30	4.1	302	20	6.4	0
30/11/2022 15:40	4.5	299	20	6.5	0
30/11/2022 15:50	3.9	292	24	6.2	0
30/11/2022 16:00	4.9	304	17	7.8	0
30/11/2022 16:10	3.7	300	22	6.3	0
30/11/2022 16:20	4.7	299	21	6.8	0
30/11/2022 16:30	4.2	299	23	6.8	0
30/11/2022 16:40	4	295	24	5.8	0
30/11/2022 16:50	3.8	277	20	5.4	0
30/11/2022 17:00	3.8	282	22	5.9	0
30/11/2022 17:10	4.1	281	22	6	0
30/11/2022 17:20	4.3	287	19	6.5	0
30/11/2022 17:30	5.1	303	15	7.5	0
30/11/2022 17:40	4.5	301	20	7	0
30/11/2022 17:50	3.9	297	21	6.5	0
30/11/2022 18:00	4.2	302	19	6	0
30/11/2022 18:10	3.5	298	22	6.7	0
30/11/2022 18:20	4.2	298	22	6.5	0
30/11/2022 18:30	4.2	295	21	7.1	0
30/11/2022 18:40	3.8	294	21	6.2	0
30/11/2022 18:50	3.3	281	24	5.5	0
30/11/2022 19:00	3.9	280	18	5.7	0
30/11/2022 19:10	3.3	272	24	5.1	0
30/11/2022 19:20	3.5	272	22	5.6	0
30/11/2022 19:30	4.2	269	23	6.9	0
30/11/2022 19:40	3.7	269	33	5.8	0
30/11/2022 19:50	4.1	271	21	6.7	0
30/11/2022 20:00	3.4	270	28	5.8	0
30/11/2022 20:10	3.5	272	20	5.2	0
30/11/2022 20:20	3.3	273	20	5.1	0
30/11/2022 20:30	2.9	266	29	4.8	0
30/11/2022 20:40	3.5	274	19	5.3	0
30/11/2022 20:50	3.4	274	22	5.3	0
30/11/2022 21:00	2.7	260	37	5.6	0
30/11/2022 21:10	2.5	268	25	4.7	0
30/11/2022 21:20	2.6	269	20	4.8	0
30/11/2022 21:30	3.1	278	20	5.1	0
30/11/2022 21:40	2.8	280	15	4.1	0
30/11/2022 21:50	2.8	276	19	4.4	0
30/11/2022 22:00	2.4	279	25	3.9	0
30/11/2022 22:10	2.3	273	22	3.8	0
30/11/2022 22:20	2.1	273	31	3.6	0
30/11/2022 22:30	2.4	271	27	3.8	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/11/2022 22:40	2.5	269	23	4.4	0
30/11/2022 22:50	2.4	267	26	4.3	0
30/11/2022 23:00	2.5	275	27	4.3	0
30/11/2022 23:10	2.2	270	38	3.6	0
30/11/2022 23:20	2.6	266	22	4.2	0
30/11/2022 23:30	2	266	45	3.9	0
30/11/2022 23:40	2	260	46	4	0
30/11/2022 23:50	2.1	261	51	4.5	0
01/12/2022 00:00	1.9	250	45	4.4	0
12/01/2022 00:10	2.5	250	28	4	0
12/01/2022 00:20	1.5	265	55	3.2	0
12/01/2022 00:30	1.3	249	59	2.7	0
12/01/2022 00:40	2	260	33	3.9	0
12/01/2022 00:50	1.5	268	68	3.6	0
12/01/2022 01:00	2.3	253	38	3.9	0
12/01/2022 01:10	1.9	244	55	4.4	0
12/01/2022 01:20	1.7	223	71	3.9	0
12/01/2022 01:30	1.8	230	47	3.3	0
12/01/2022 01:40	1.4	228	67	2.6	0
12/01/2022 01:50	1.4	210	59	3.6	0
12/01/2022 02:00	1.1	249	80	2.7	0
12/01/2022 02:10	1.8	228	46	3.2	0
12/01/2022 02:20	1.4	187	57	2.8	0
12/01/2022 02:30	1.7	225	64	3.3	0
12/01/2022 02:40	1.9	204	39	3.5	0
12/01/2022 02:50	1.8	253	44	3.1	0
12/01/2022 03:00	1.5	208	52	3.2	0
12/01/2022 03:10	1.4	292	65	2.8	0
12/01/2022 03:20	1.2	276	41	2.4	0
12/01/2022 03:30	1.2	253	55	2.2	0
12/01/2022 03:40	1.5	279	60	2.9	0
12/01/2022 03:50	1.9	277	26	3.2	0
12/01/2022 04:00	1.6	270	43	2.9	0
12/01/2022 04:10	2	275	22	3.6	0
12/01/2022 04:20	1.9	268	36	3.2	0
12/01/2022 04:30	1.5	264	47	3.1	0
12/01/2022 04:40	1.9	263	39	3.2	0
12/01/2022 04:50	1.5	280	78	3	0
12/01/2022 05:00	1.7	237	50	3.6	0
12/01/2022 05:10	1.3	276	60	3.2	0
12/01/2022 05:20	1.3	274	63	2.4	0
12/01/2022 05:30	1	276	87	2.4	0
12/01/2022 05:40	1	258	75	2.1	0
12/01/2022 05:50	1.4	272	47	2.6	0
12/01/2022 06:00	1.4	258	44	2.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/01/2022 06:10	1.3	282	32	2.6	0
12/01/2022 06:20	2	275	22	3.2	0
12/01/2022 06:30	1.4	230	47	2.8	0
12/01/2022 06:40	1.5	232	45	3.2	0
12/01/2022 06:50	1.4	264	31	2.4	0
12/01/2022 07:00	1.6	266	24	2.4	0
12/01/2022 07:10	1.9	289	19	2.8	0
12/01/2022 07:20	2.3	277	18	3.2	0
12/01/2022 07:30	2.4	271	19	3.6	0
12/01/2022 07:40	2.8	273	21	4.2	0
12/01/2022 07:50	2.3	266	22	4.4	0
12/01/2022 08:00	2.3	270	22	3.5	0
12/01/2022 08:10	2.8	268	21	4.6	0
12/01/2022 08:20	2.5	271	22	4	0
12/01/2022 08:30	2.8	275	23	4.2	0
12/01/2022 08:40	2.4	275	23	3.6	0
12/01/2022 08:50	2.7	278	19	4	0
12/01/2022 09:00	2.4	267	21	3.6	0
12/01/2022 09:10	2.3	279	21	4.5	0
12/01/2022 09:20	2.4	278	18	3.6	0
12/01/2022 09:30	2.6	276	23	3.6	0
12/01/2022 09:40	2.6	282	23	4.1	0
12/01/2022 09:50	3.3	296	20	4.8	0
12/01/2022 10:00	3.2	291	24	5.1	0
12/01/2022 10:10	3.2	289	28	5.3	0
12/01/2022 10:20	3.2	264	22	4.8	0
12/01/2022 10:30	2.9	270	26	4.3	0
12/01/2022 10:40	3.3	274	23	5.2	0
12/01/2022 10:50	3.3	266	31	5.6	0
12/01/2022 11:00	3.5	272	21	5.2	0
12/01/2022 11:10	3.8	274	21	5.5	0
12/01/2022 11:20	4.1	271	21	6	0
12/01/2022 11:30	3.4	266	32	5.9	0
12/01/2022 11:40	3.7	260	25	6.4	0
12/01/2022 11:50	3.8	272	19	5.9	0
12/01/2022 12:00	3.5	274	25	5.3	0
12/01/2022 12:10	3.5	268	29	5.2	0
12/01/2022 12:20	3.4	273	26	5.7	0
12/01/2022 12:30	3.9	267	20	6.2	0
12/01/2022 12:40	4	269	23	5.8	0
12/01/2022 12:50	4.1	272	25	6.4	0
12/01/2022 13:00	4.3	275	19	6.8	0
12/01/2022 13:10	4.6	274	21	7	0
12/01/2022 13:20	4.3	279	21	6.8	0
12/01/2022 13:30	4.2	278	22	6.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/01/2022 13:40	4.7	277	22	7.1	0
12/01/2022 13:50	4.3	277	30	6.4	0
12/01/2022 14:00	4.4	284	25	6.8	0
12/01/2022 14:10	5	289	28	8.1	0
12/01/2022 14:20	4.6	273	21	7.2	0
12/01/2022 14:30	4.6	267	23	7.2	0
12/01/2022 14:40	4.7	279	20	7	0
12/01/2022 14:50	4.2	271	25	6.5	0
12/01/2022 15:00	3.8	281	17	6.2	0
12/01/2022 15:10	4	273	19	6.3	0
12/01/2022 15:20	3.9	275	23	6.7	0
12/01/2022 15:30	4.1	272	18	6.3	0
12/01/2022 15:40	3.7	265	20	6	0
12/01/2022 15:50	4	278	23	6.4	0
12/01/2022 16:00	3.9	272	22	5.9	0
12/01/2022 16:10	4	290	24	5.8	0
12/01/2022 16:20	4.2	283	23	6.6	0
12/01/2022 16:30	3.8	282	24	6.2	0
12/01/2022 16:40	4.1	273	21	5.9	0
12/01/2022 16:50	4.4	267	21	6.9	0
12/01/2022 17:00	4.2	275	19	6.5	0
12/01/2022 17:10	3.7	261	27	6.1	0
12/01/2022 17:20	3.9	269	23	6.1	0
12/01/2022 17:30	4.4	271	20	6.9	0
12/01/2022 17:40	3.4	259	37	6	0
12/01/2022 17:50	3.8	267	30	6.4	0
12/01/2022 18:00	4.2	271	23	6.6	0
12/01/2022 18:10	4	271	25	6	0
12/01/2022 18:20	4	275	21	6.3	0
12/01/2022 18:30	4	275	21	6.1	0
12/01/2022 18:40	3.7	271	24	5.6	0
12/01/2022 18:50	3.3	269	35	5.6	0
12/01/2022 19:00	2.7	256	36	4.8	0
12/01/2022 19:10	3.8	276	18	6.1	0
12/01/2022 19:20	4.1	268	21	6.9	0
12/01/2022 19:30	4	272	21	7.3	0
12/01/2022 19:40	4.1	272	20	6.6	0
12/01/2022 19:50	3.9	274	22	6.4	0
12/01/2022 20:00	3.2	271	23	5.3	0
12/01/2022 20:10	3.6	275	25	5.6	0
12/01/2022 20:20	3.1	278	33	5.6	0
12/01/2022 20:30	3.3	273	27	6.1	0
12/01/2022 20:40	3.3	268	28	5.3	0
12/01/2022 20:50	2.6	273	34	4.8	0
12/01/2022 21:00	2.3	260	53	5.1	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/01/2022 21:10	2.9	272	36	5.6	0
12/01/2022 21:20	3.1	273	28	5.8	0
12/01/2022 21:30	2.8	275	28	4.6	0
12/01/2022 21:40	2.7	274	46	5.3	0
12/01/2022 21:50	3	272	20	5.2	0
12/01/2022 22:00	2.6	280	40	4.7	0
12/01/2022 22:10	2.2	268	52	4.1	0
12/01/2022 22:20	2.5	267	42	4.8	0
12/01/2022 22:30	2.2	274	64	4.2	0
12/01/2022 22:40	1.8	214	70	3.8	0
12/01/2022 22:50	1.5	230	74	3.6	0
12/01/2022 23:00	1.9	264	62	3.7	0
12/01/2022 23:10	1.9	239	63	3.6	0
12/01/2022 23:20	2	259	34	3.7	0
12/01/2022 23:30	2.2	249	51	3.8	0
12/01/2022 23:40	2.6	258	35	4.5	0
12/01/2022 23:50	1.8	231	62	3.6	0
12/02/2022 00:00	1.8	260	63	4.1	0
12/02/2022 00:10	2	256	43	3.9	0
12/02/2022 00:20	1.7	251	45	3.2	0
12/02/2022 00:30	2.3	268	40	4.2	0
12/02/2022 00:40	2.7	256	31	4.4	0
12/02/2022 00:50	2	260	36	4.2	0
12/02/2022 01:00	2	243	49	3.4	0
12/02/2022 01:10	1.2	253	62	3.1	0
12/02/2022 01:20	1.8	270	39	2.8	0
12/02/2022 01:30	2.1	257	47	4	0
12/02/2022 01:40	1.9	258	48	4.7	0
12/02/2022 01:50	1.9	269	45	3.8	0
12/02/2022 02:00	2.4	270	27	3.7	0
12/02/2022 02:10	2.1	281	23	3.4	0
12/02/2022 02:20	2.3	284	20	3.8	0
12/02/2022 02:30	2	274	23	3.2	0
12/02/2022 02:40	2.1	283	19	3.2	0
12/02/2022 02:50	1.1	256	52	2.5	0
12/02/2022 03:00	1.3	274	45	2.7	0
12/02/2022 03:10	1.6	276	26	2.9	0
12/02/2022 03:20	1.5	281	42	3	0
12/02/2022 03:30	1.7	282	31	3.7	0
12/02/2022 03:40	1.4	265	50	2.5	0
12/02/2022 03:50	1.4	275	70	3.6	0
12/02/2022 04:00	1.8	244	48	3.7	0
12/02/2022 04:10	1.9	263	49	4.3	0
12/02/2022 04:20	1.6	226	65	3.4	0
12/02/2022 04:30	1.6	236	67	4.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/02/2022 04:40	2.1	257	41	3.9	0
12/02/2022 04:50	1.7	224	54	3.5	0
12/02/2022 05:00	1.8	260	49	3.6	0
12/02/2022 05:10	1.9	235	48	3.7	0
12/02/2022 05:20	1.6	245	66	3.6	0
12/02/2022 05:30	1.3	240	67	2.7	0
12/02/2022 05:40	1.5	269	58	2.6	0
12/02/2022 05:50	2.2	265	33	3.8	0
12/02/2022 06:00	1.4	206	79	3.1	0
12/02/2022 06:10	1.6	248	65	3.6	0
12/02/2022 06:20	1.8	259	43	2.9	0
12/02/2022 06:30	2.2	272	29	3.6	0
12/02/2022 06:40	2	270	28	3.6	0
12/02/2022 06:50	1.7	249	72	3.2	0
12/02/2022 07:00	2.3	259	34	4	0
12/02/2022 07:10	2.1	264	30	3.7	0
12/02/2022 07:20	3	271	19	4.6	0
12/02/2022 07:30	2.7	273	24	4.2	0
12/02/2022 07:40	3.5	275	17	5.6	0
12/02/2022 07:50	3.4	276	22	5.2	0
12/02/2022 08:00	3.3	265	22	4.8	0
12/02/2022 08:10	3.6	275	17	5.8	0
12/02/2022 08:20	3.7	270	28	5.6	0
12/02/2022 08:30	3.9	269	19	6	0
12/02/2022 08:40	4.1	278	22	6.3	0
12/02/2022 08:50	4.7	278	18	6.7	0
12/02/2022 09:00	4.6	273	21	6.7	0
12/02/2022 09:10	4.3	271	19	7	0
12/02/2022 09:20	4.2	272	23	6.2	0
12/02/2022 09:30	4.4	276	20	7.1	0
12/02/2022 09:40	4	278	20	6	0
12/02/2022 09:50	4.2	287	26	6.7	0
12/02/2022 10:00	4.2	283	21	6.5	0
12/02/2022 10:10	4.5	276	22	6.8	0
12/02/2022 10:20	4.2	276	26	6	0
12/02/2022 10:30	4.1	275	24	6.8	0
12/02/2022 10:40	4.4	275	22	6.7	0
12/02/2022 10:50	4.3	280	20	6.4	0
12/02/2022 11:00	4.3	283	19	6.6	0
12/02/2022 11:10	4.1	280	24	6.6	0
12/02/2022 11:20	4.3	280	24	6.3	0
12/02/2022 11:30	4.3	284	27	7.3	0
12/02/2022 11:40	5	279	19	7.8	0
12/02/2022 11:50	4.8	278	19	6.8	0
12/02/2022 12:00	4.8	274	21	7.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/02/2022 12:10	4.5	279	20	6.5	0
12/02/2022 12:20	4.7	276	20	6.8	0
12/02/2022 12:30	5.1	283	21	8.1	0
12/02/2022 12:40	5.2	278	21	8.3	0
12/02/2022 12:50	3.5	257	30	6.6	0
12/02/2022 13:00	4.7	274	20	6.8	0
12/02/2022 13:10	5.1	275	21	7.9	0
12/02/2022 13:20	4.6	268	33	7.3	0
12/02/2022 13:30	4.1	267	32	7.9	0
12/02/2022 13:40	4.5	274	32	7.9	0
12/02/2022 13:50	5.2	268	24	8.1	0
12/02/2022 14:00	5.1	266	26	8	0
12/02/2022 14:10	4.9	270	23	8	0
12/02/2022 14:20	5.5	269	20	7.9	0
12/02/2022 14:30	5.4	268	22	8.2	0
12/02/2022 14:40	5.4	264	26	8.8	0
12/02/2022 14:50	4.7	269	23	7.6	0
12/02/2022 15:00	3.8	260	35	6.9	0
12/02/2022 15:10	4.8	270	35	7.9	0
12/02/2022 15:20	5.4	271	21	8.3	0
12/02/2022 15:30	5.4	270	22	8	0
12/02/2022 15:40	5.1	268	25	7.9	0
12/02/2022 15:50	4.5	266	29	8.5	0
12/02/2022 16:00	5.1	267	23	7.5	0
12/02/2022 16:10	5.3	269	23	7.8	0
12/02/2022 16:20	5.1	265	26	8.3	0
12/02/2022 16:30	5.8	266	20	8.7	0
12/02/2022 16:40	4.4	268	30	7.4	0
12/02/2022 16:50	4.3	263	37	7.9	0
12/02/2022 17:00	3.8	269	40	7.9	0
12/02/2022 17:10	4.6	269	28	7.9	0
12/02/2022 17:20	3.8	271	37	7.1	0
12/02/2022 17:30	4.3	272	31	7.2	0
12/02/2022 17:40	5	268	22	7.8	0
12/02/2022 17:50	4.4	273	22	7.7	0
12/02/2022 18:00	4.7	269	21	7	0
12/02/2022 18:10	3.3	257	51	6.4	0
12/02/2022 18:20	4	268	31	7.2	0
12/02/2022 18:30	4.4	269	30	7.1	0
12/02/2022 18:40	5	271	24	7.4	0
12/02/2022 18:50	3.8	266	30	7.1	0
12/02/2022 19:00	3.9	270	26	6.9	0
12/02/2022 19:10	3	270	35	6	0
12/02/2022 19:20	4.1	271	27	6.8	0
12/02/2022 19:30	3.1	260	42	6	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/02/2022 19:40	3.4	274	35	6.9	0
12/02/2022 19:50	3.1	266	30	5.9	0
12/02/2022 20:00	2.7	262	42	5.2	0
12/02/2022 20:10	3.5	273	24	6	0
12/02/2022 20:20	3.4	272	31	6.2	0
12/02/2022 20:30	3.2	272	36	5.6	0
12/02/2022 20:40	3.2	267	39	5.4	0
12/02/2022 20:50	3	269	41	5.6	0
12/02/2022 21:00	3.8	273	26	6	0
12/02/2022 21:10	3.3	274	25	5.4	0
12/02/2022 21:20	2.9	269	37	5.3	0
12/02/2022 21:30	3.5	276	25	5.6	0
12/02/2022 21:40	2.7	275	45	5.9	0
12/02/2022 21:50	3	271	33	5.5	0
12/02/2022 22:00	3.2	275	25	5.6	0
12/02/2022 22:10	3.5	274	25	5.2	0
12/02/2022 22:20	3	273	31	5.9	0
12/02/2022 22:30	3.1	271	29	5.1	0
12/02/2022 22:40	2.3	271	45	4.3	0
12/02/2022 22:50	1.8	256	58	4	0
12/02/2022 23:00	2.3	260	52	4.3	0
12/02/2022 23:10	2.2	255	56	4.6	0
12/02/2022 23:20	2.6	253	41	5.8	0
12/02/2022 23:30	2.3	232	58	5	0
12/02/2022 23:40	2.1	235	50	4.2	0
12/02/2022 23:50	2.7	250	42	5	0
12/03/2022 00:00	2.7	253	30	4.8	0
12/03/2022 00:10	2.4	259	39	4.6	0
12/03/2022 00:20	2.1	259	37	4.2	0
12/03/2022 00:30	1.5	252	65	2.8	0
12/03/2022 00:40	2.1	268	33	3.4	0
12/03/2022 00:50	1.6	192	78	3.7	0
12/03/2022 01:00	1.8	261	42	4.6	0
12/03/2022 01:10	2.2	256	40	4.1	0
12/03/2022 01:20	1.7	265	55	3.1	0
12/03/2022 01:30	1.8	262	48	3.2	0
12/03/2022 01:40	2	269	39	3.6	0
12/03/2022 01:50	2.1	281	28	3.6	0
12/03/2022 02:00	2	275	39	3.6	0
12/03/2022 02:10	1.8	281	28	3.1	0
12/03/2022 02:20	1.1	297	67	2.4	0
12/03/2022 02:30	1.2	311	61	2.4	0
12/03/2022 02:40	1.2	120	77	3.3	0
12/03/2022 02:50	1.6	208	68	3.1	0
12/03/2022 03:00	1.6	159	66	3.5	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/03/2022 03:10	1.1	184	82	2.2	0
12/03/2022 03:20	1.5	250	70	3.2	0
12/03/2022 03:30	1.4	288	51	3.2	0
12/03/2022 03:40	2	277	16	3	0
12/03/2022 03:50	1.7	275	22	2.9	0
12/03/2022 04:00	1.9	259	45	3.5	0
12/03/2022 04:10	1.4	197	73	2.5	0
12/03/2022 04:20	1.3	215	61	2.4	0
12/03/2022 04:30	1.5	253	54	2.8	0
12/03/2022 04:40	1.9	244	35	3.6	0
12/03/2022 04:50	1.5	223	58	2.6	0
12/03/2022 05:00	1.7	230	56	3	0
12/03/2022 05:10	1.6	248	50	3.2	0
12/03/2022 05:20	1.6	241	43	2.8	0
12/03/2022 05:30	1.3	230	49	2.7	0
12/03/2022 05:40	1.2	225	87	2.1	0
12/03/2022 05:50	1.9	243	42	3.3	0
12/03/2022 06:00	1.7	244	42	2.9	0
12/03/2022 06:10	1.8	232	45	3.3	0
12/03/2022 06:20	1.8	248	50	3.9	0
12/03/2022 06:30	2.2	263	36	4.5	0
12/03/2022 06:40	2.3	269	34	3.7	0
12/03/2022 06:50	2.3	264	41	4.8	0
12/03/2022 07:00	2.8	259	26	4.4	0
12/03/2022 07:10	2.7	274	27	4.2	0
12/03/2022 07:20	2.8	270	27	4.2	0
12/03/2022 07:30	2.3	274	32	3.9	0
12/03/2022 07:40	2.8	280	23	4	0
12/03/2022 07:50	2.7	267	27	4	0
12/03/2022 08:00	2.8	267	27	4.8	0
12/03/2022 08:10	2.6	256	27	4.5	0
12/03/2022 08:20	2.4	248	39	4.4	0
12/03/2022 08:30	2.3	261	30	4.7	0
12/03/2022 08:40	3.7	274	19	5.6	0
12/03/2022 08:50	3.5	269	20	5.6	0
12/03/2022 09:00	3	268	30	4.8	0
12/03/2022 09:10	3.1	275	24	5.6	0
12/03/2022 09:20	3.6	274	19	5.5	0
12/03/2022 09:30	3.6	280	24	6	0
12/03/2022 09:40	3.6	281	25	6.3	0
12/03/2022 09:50	3.7	281	23	6	0
12/03/2022 10:00	3.8	281	26	6.2	0
12/03/2022 10:10	4.1	285	22	6.4	0
12/03/2022 10:20	4	283	21	6.2	0
12/03/2022 10:30	4.2	288	23	6.2	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/03/2022 10:40	3.9	283	23	6.4	0
12/03/2022 10:50	3.9	287	23	6.2	0
12/03/2022 11:00	4.3	293	21	6.4	0
12/03/2022 11:10	4.3	287	24	6.9	0
12/03/2022 11:20	4.2	279	23	6.5	0
12/03/2022 11:30	4.1	282	22	6.4	0
12/03/2022 11:40	3.9	286	21	5.9	0
12/03/2022 11:50	4.5	291	21	6.7	0
12/03/2022 12:00	4.5	292	21	6.9	0
12/03/2022 12:10	4.5	285	21	6.6	0
12/03/2022 12:20	4.3	286	25	6.6	0
12/03/2022 12:30	4.2	281	22	7.1	0
12/03/2022 12:40	4.1	280	26	6.8	0
12/03/2022 12:50	4.9	278	18	7.9	0
12/03/2022 13:00	4.4	275	22	6.3	0
12/03/2022 13:10	4.9	275	19	7.5	0
12/03/2022 13:20	4.8	276	19	6.9	0
12/03/2022 13:30	4.5	279	20	6.7	0
12/03/2022 13:40	4.8	284	19	6.8	0
12/03/2022 13:50	4.4	276	21	6.8	0
12/03/2022 14:00	4.9	276	19	7.6	0
12/03/2022 14:10	5	279	18	7.4	0
12/03/2022 14:20	5.5	278	19	8.3	0
12/03/2022 14:30	5	266	23	8.1	0
12/03/2022 14:40	5.3	271	20	8.3	0
12/03/2022 14:50	5.3	270	22	8.7	0
12/03/2022 15:00	5	267	23	8.1	0
12/03/2022 15:10	4.9	269	29	8.1	0
12/03/2022 15:20	4.2	269	33	6.7	0
12/03/2022 15:30	4.7	276	23	8.6	0
12/03/2022 15:40	4.9	266	25	7.3	0
12/03/2022 15:50	5.3	266	23	7.7	0
12/03/2022 16:00	5.3	269	23	8.6	0
12/03/2022 16:10	4.8	273	25	7.5	0
12/03/2022 16:20	5.8	272	16	8.7	0
12/03/2022 16:30	4.2	262	33	7.4	0
12/03/2022 16:40	5.3	273	19	7.9	0
12/03/2022 16:50	5.2	271	23	7.9	0
12/03/2022 17:00	5.7	273	18	8.1	0
12/03/2022 17:10	5	278	19	7.7	0
12/03/2022 17:20	4.6	273	20	7.5	0
12/03/2022 17:30	4.9	273	22	7.5	0
12/03/2022 17:40	4.8	275	19	7.5	0
12/03/2022 17:50	4.3	274	24	7.2	0
12/03/2022 18:00	4.2	271	25	7.9	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/03/2022 18:10	4.3	274	21	6.9	0
12/03/2022 18:20	4.6	273	22	7.3	0
12/03/2022 18:30	3.7	258	41	7.2	0
12/03/2022 18:40	3.6	270	36	6.4	0
12/03/2022 18:50	4.3	277	30	7.3	0
12/03/2022 19:00	4.1	272	30	6.9	0
12/03/2022 19:10	3.3	269	36	6.7	0
12/03/2022 19:20	3.5	270	31	5.6	0
12/03/2022 19:30	3.9	271	28	6.7	0
12/03/2022 19:40	3.2	277	29	6	0
12/03/2022 19:50	3.7	266	33	6.5	0
12/03/2022 20:00	3.6	265	32	6.4	0
12/03/2022 20:10	3.6	267	31	6.4	0
12/03/2022 20:20	3.8	272	28	6.5	0
12/03/2022 20:30	3.8	270	31	5.8	0
12/03/2022 20:40	3.7	279	28	6	0
12/03/2022 20:50	3.4	273	37	5.6	0
12/03/2022 21:00	3.8	268	39	7.9	0
12/03/2022 21:10	3.3	280	40	6.7	0
12/03/2022 21:20	2.8	267	50	4.8	0
12/03/2022 21:30	2.4	238	51	4.6	0
12/03/2022 21:40	2.1	227	69	4.5	0
12/03/2022 21:50	2.2	239	67	4.5	0
12/03/2022 22:00	2.8	270	39	5.1	0
12/03/2022 22:10	2.5	253	58	4.5	0
12/03/2022 22:20	2.5	258	56	5	0
12/03/2022 22:30	2.6	256	50	5	0
12/03/2022 22:40	2.3	243	65	4.9	0
12/03/2022 22:50	2.2	235	56	4.1	0
12/03/2022 23:00	2.4	260	42	4.5	0
12/03/2022 23:10	2.2	254	52	4.6	0
12/03/2022 23:20	2.1	251	54	4	0
12/03/2022 23:30	2	241	59	3.7	0
12/03/2022 23:40	2.5	250	39	4.7	0
12/03/2022 23:50	2.4	240	43	4.2	0
12/04/2022 00:00	2.5	252	38	4.9	0
12/04/2022 00:10	2.4	252	43	4.8	0
12/04/2022 00:20	2.4	255	29	4.9	0
12/04/2022 00:30	2.4	262	36	4.4	0
12/04/2022 00:40	1.9	244	49	4.1	0
12/04/2022 00:50	2.2	261	35	4.5	0
12/04/2022 01:00	2.3	262	36	4	0
12/04/2022 01:10	1.8	267	60	3.5	0
12/04/2022 01:20	1.9	262	41	4.4	0
12/04/2022 01:30	1.7	273	36	2.9	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/04/2022 01:40	1.6	264	57	3.2	0
12/04/2022 01:50	2.3	263	32	4.4	0
12/04/2022 02:00	1.4	226	64	2.7	0
12/04/2022 02:10	1.7	251	70	3.3	0
12/04/2022 02:20	1.9	251	50	4.1	0
12/04/2022 02:30	1.8	239	48	3.5	0
12/04/2022 02:40	1.7	254	66	3.2	0
12/04/2022 02:50	1.4	277	48	2.5	0
12/04/2022 03:00	1.3	280	53	2.5	0
12/04/2022 03:10	1.6	260	53	2.7	0
12/04/2022 03:20	1.8	260	40	3.5	0
12/04/2022 03:30	1.2	269	53	2.8	0
12/04/2022 03:40	1.5	271	57	2.8	0
12/04/2022 03:50	1.5	271	53	3	0
12/04/2022 04:00	1.5	274	44	3.2	0
12/04/2022 04:10	1.5	261	33	2.5	0
12/04/2022 04:20	1.6	264	30	2.8	0
12/04/2022 04:30	1.5	289	28	2.4	0
12/04/2022 04:40	1.6	282	19	2.4	0
12/04/2022 04:50	1.7	283	15	2.6	0
12/04/2022 05:00	1.8	282	14	2.6	0
12/04/2022 05:10	2.3	273	12	3	0
12/04/2022 05:20	2	274	12	2.7	0
12/04/2022 05:30	2	281	12	2.7	0
12/04/2022 05:40	2.1	289	14	2.6	0
12/04/2022 05:50	2	274	14	3	0
12/04/2022 06:00	2.2	270	11	2.9	0
12/04/2022 06:10	2.5	267	12	3.6	0
12/04/2022 06:20	2	268	17	3.2	0
12/04/2022 06:30	2.4	267	14	3.5	0
12/04/2022 06:40	2.5	258	14	3.6	0
12/04/2022 06:50	2.9	261	12	4	0
12/04/2022 07:00	2.4	256	17	3.5	0
12/04/2022 07:10	2.7	254	17	4	0
12/04/2022 07:20	2.6	255	17	3.8	0
12/04/2022 07:30	2.5	255	21	4.1	0
12/04/2022 07:40	2.2	257	23	3.5	0
12/04/2022 07:50	2.3	253	22	3.5	0
12/04/2022 08:00	2.5	253	23	4.2	0
12/04/2022 08:10	2.4	259	22	3.4	0
12/04/2022 08:20	2	251	20	3	0
12/04/2022 08:30	2.5	254	24	4.2	0
12/04/2022 08:40	2.7	270	20	4	0
12/04/2022 08:50	2.6	267	18	4.1	0
12/04/2022 09:00	2.8	276	19	4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/04/2022 09:10	3	273	23	4.8	0
12/04/2022 09:20	3.5	283	16	5.1	0
12/04/2022 09:30	2.9	274	19	4.9	0
12/04/2022 09:40	3.2	281	21	5.2	0
12/04/2022 09:50	3.3	272	21	5	0
12/04/2022 10:00	3.4	276	20	4.7	0
12/04/2022 10:10	3.9	271	20	5.7	0
12/04/2022 10:20	3.9	273	21	5.6	0
12/04/2022 10:30	4.4	270	18	6.1	0
12/04/2022 10:40	4.3	279	19	6.6	0
12/04/2022 10:50	3.7	287	25	5.7	0
12/04/2022 11:00	3.5	275	22	5.2	0
12/04/2022 11:10	3.6	274	23	4.9	0
12/04/2022 11:20	3.6	282	25	5.7	0
12/04/2022 11:30	3.9	279	21	5.6	0
12/04/2022 11:40	3.7	277	19	5.5	0
12/04/2022 11:50	3.4	279	25	5.6	0
12/04/2022 12:00	4	287	26	6	0
12/04/2022 12:10	4.1	283	21	6.5	0
12/04/2022 12:20	4.1	279	22	5.8	0
12/04/2022 12:30	4.2	288	25	7	0
12/04/2022 12:40	4.1	282	23	6.2	0
12/04/2022 12:50	4.3	278	20	7.2	0
12/04/2022 13:00	4.6	277	18	7.8	0
12/04/2022 13:10	4.9	281	21	6.9	0
12/04/2022 13:20	4.5	281	21	6.4	0
12/04/2022 13:30	4.1	273	23	7.2	0
12/04/2022 13:40	4.7	276	20	6.8	0
12/04/2022 13:50	4.7	281	17	6.9	0
12/04/2022 14:00	4.6	276	21	7.2	0
12/04/2022 14:10	4.5	277	19	6.3	0
12/04/2022 14:20	4.5	281	19	7.2	0
12/04/2022 14:30	4.6	278	21	6.8	0
12/04/2022 14:40	4.4	278	21	7.1	0
12/04/2022 14:50	4.7	279	19	7.5	0
12/04/2022 15:00	4.4	277	20	6.9	0
12/04/2022 15:10	4.8	273	20	8	0
12/04/2022 15:20	4.7	276	18	6.8	0
12/04/2022 15:30	4.2	284	22	7.1	0
12/04/2022 15:40	4.4	281	19	6.8	0
12/04/2022 15:50	4.4	277	19	6.8	0
12/04/2022 16:00	4.4	279	23	6.7	0
12/04/2022 16:10	4.8	275	22	6.8	0
12/04/2022 16:20	5.3	276	20	7.5	0
12/04/2022 16:30	4.3	263	32	7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/04/2022 16:40	3.6	265	36	6.4	0
12/04/2022 16:50	3.9	267	28	6.6	0
12/04/2022 17:00	4.4	278	20	6.9	0
12/04/2022 17:10	3.6	268	28	6.3	0
12/04/2022 17:20	3.3	245	44	5.9	0
12/04/2022 17:30	4.3	276	29	6.8	0
12/04/2022 17:40	3.9	274	24	6.4	0
12/04/2022 17:50	3.9	271	32	6.5	0
12/04/2022 18:00	3.9	274	26	6.8	0
12/04/2022 18:10	3.8	273	24	6.6	0
12/04/2022 18:20	3.8	273	28	6.7	0
12/04/2022 18:30	3.6	279	27	5.6	0
12/04/2022 18:40	3.3	272	35	5.8	0
12/04/2022 18:50	3.2	253	39	5.2	0
12/04/2022 19:00	3.4	263	34	5.6	0
12/04/2022 19:10	2.8	252	48	5.6	0
12/04/2022 19:20	2.8	252	50	6	0
12/04/2022 19:30	2.6	266	41	4.7	0
12/04/2022 19:40	3	255	42	5	0
12/04/2022 19:50	2.8	261	42	6.1	0
12/04/2022 20:00	2.8	259	37	4.9	0
12/04/2022 20:10	2.6	256	41	5.6	0
12/04/2022 20:20	2.8	274	35	5	0
12/04/2022 20:30	2.6	269	43	6	0
12/04/2022 20:40	2.2	253	44	4.5	0
12/04/2022 20:50	2.2	265	47	4.3	0
12/04/2022 21:00	2.1	258	47	3.4	0
12/04/2022 21:10	2.8	261	32	5.2	0
12/04/2022 21:20	2.3	261	52	4.1	0
12/04/2022 21:30	2	263	51	4.7	0
12/04/2022 21:40	2.9	258	34	5.7	0
12/04/2022 21:50	3	260	33	5.1	0
12/04/2022 22:00	1.7	265	58	3.5	0
12/04/2022 22:10	2.1	257	45	4.3	0
12/04/2022 22:20	2.3	226	42	4.2	0
12/04/2022 22:30	2.9	226	43	5.6	0
12/04/2022 22:40	2.5	220	52	4.6	0
12/04/2022 22:50	3.1	217	35	6.2	0
12/04/2022 23:00	3.2	220	31	5.9	0
12/04/2022 23:10	2.8	224	44	5.2	0
12/04/2022 23:20	2.5	216	50	5.2	0
12/04/2022 23:30	1.8	262	70	3.6	0
12/04/2022 23:40	1.6	235	73	4.1	0
12/04/2022 23:50	2.1	225	56	4.8	0
12/05/2022 00:00	1.8	258	56	3.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/05/2022 00:10	2.8	218	37	5.3	0
12/05/2022 00:20	2.8	221	42	5.2	0
12/05/2022 00:30	2.6	222	34	5.3	0
12/05/2022 00:40	2.9	211	34	4.9	0
12/05/2022 00:50	2.3	203	51	4.6	0
12/05/2022 01:00	2.7	201	35	4.3	0
12/05/2022 01:10	3.1	199	24	5.2	0
12/05/2022 01:20	3.7	196	22	6.2	0
12/05/2022 01:30	3.7	197	23	5.9	0
12/05/2022 01:40	4	200	22	6.5	0
12/05/2022 01:50	4.4	203	18	6.4	0
12/05/2022 02:00	4.8	200	14	6.8	0
12/05/2022 02:10	4.8	198	14	6.9	0
12/05/2022 02:20	4.6	199	12	6.8	0
12/05/2022 02:30	4.5	200	13	6.5	0
12/05/2022 02:40	4.5	201	14	6.2	0
12/05/2022 02:50	4.8	201	10	6.7	0
12/05/2022 03:00	4.8	199	10	6.4	0
12/05/2022 03:10	4.5	199	9	6	0
12/05/2022 03:20	4.8	198	10	6.1	0
12/05/2022 03:30	4	200	17	5.5	0
12/05/2022 03:40	3.3	200	23	5.2	0
12/05/2022 03:50	2	198	40	4.6	0
12/05/2022 04:00	1.1	256	62	2.3	0
12/05/2022 04:10	1.2	225	62	2.1	0
12/05/2022 04:20	2	223	34	3.4	0
12/05/2022 04:30	1.8	254	34	2.8	0
12/05/2022 04:40	1.6	242	45	2.8	0
12/05/2022 04:50	1.6	239	37	3.2	0
12/05/2022 05:00	0.8	130	84	1.6	0
12/05/2022 05:10	1.4	297	33	2	0
12/05/2022 05:20	1.4	307	17	2.2	0
12/05/2022 05:30	1.4	314	13	1.9	0
12/05/2022 05:40	1.7	306	7	2.2	0
12/05/2022 05:50	1.9	295	5	2.2	0
12/05/2022 06:00	1.7	287	14	2.3	0
12/05/2022 06:10	1.9	275	22	2.6	0
12/05/2022 06:20	1.9	287	14	2.4	0
12/05/2022 06:30	1.9	288	15	2.5	0
12/05/2022 06:40	1.8	271	18	2.8	0
12/05/2022 06:50	1.9	248	31	3.3	0
12/05/2022 07:00	2.2	214	25	3.6	0
12/05/2022 07:10	2.5	211	27	4	0
12/05/2022 07:20	3.4	205	17	5.3	0
12/05/2022 07:30	4.3	204	12	6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/05/2022 07:40	4.1	202	13	5.4	0
12/05/2022 07:50	3.8	202	12	5.4	0
12/05/2022 08:00	3.5	199	13	4.8	0
12/05/2022 08:10	3.4	194	14	4.9	0
12/05/2022 08:20	3.2	196	13	4.6	0
12/05/2022 08:30	2.9	198	13	4.4	0
12/05/2022 08:40	2.8	196	14	4.3	0
12/05/2022 08:50	2.9	191	14	4.4	0
12/05/2022 09:00	3.1	196	18	4.4	0
12/05/2022 09:10	3.5	205	14	4.9	0
12/05/2022 09:20	3.2	195	18	5.2	0
12/05/2022 09:30	3.3	220	30	5.5	0
12/05/2022 09:40	2.1	231	43	3.7	0
12/05/2022 09:50	2.9	237	37	4.8	0
12/05/2022 10:00	2.6	268	23	4	0
12/05/2022 10:10	2.6	272	31	4.1	0
12/05/2022 10:20	2.7	280	27	4.6	0
12/05/2022 10:30	3.1	274	22	5.2	0
12/05/2022 10:40	3.2	269	24	5.3	0
12/05/2022 10:50	3.3	269	18	5.3	0
12/05/2022 11:00	3.1	271	23	4.8	0
12/05/2022 11:10	3.6	279	17	5.3	0
12/05/2022 11:20	3.2	260	18	4.8	0
12/05/2022 11:30	3.6	267	24	5.4	0
12/05/2022 11:40	3.5	272	23	5.6	0
12/05/2022 11:50	4.1	270	20	6	0
12/05/2022 12:00	3.9	279	23	5.5	0
12/05/2022 12:10	3.8	264	22	5.8	0
12/05/2022 12:20	4.2	267	23	6.2	0
12/05/2022 12:30	4.1	276	23	6.3	0
12/05/2022 12:40	4.1	277	20	6	0
12/05/2022 12:50	4.2	275	24	6.7	0
12/05/2022 13:00	4.2	271	19	6.4	0
12/05/2022 13:10	4.4	278	21	6.7	0
12/05/2022 13:20	4.1	279	26	6	0
12/05/2022 13:30	4	284	24	6	0
12/05/2022 13:40	4.2	280	24	7	0
12/05/2022 13:50	4.1	279	22	6.2	0
12/05/2022 14:00	4.4	282	23	6.7	0
12/05/2022 14:10	4.5	271	23	7	0
12/05/2022 14:20	4.6	276	22	6.9	0
12/05/2022 14:30	4.2	277	19	6.1	0
12/05/2022 14:40	4.3	280	20	6.8	0
12/05/2022 14:50	4.5	279	23	6.8	0
12/05/2022 15:00	4.3	273	20	6.9	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/05/2022 15:10	4.7	272	20	6.8	0
12/05/2022 15:20	4.8	276	20	7.2	0
12/05/2022 15:30	4.6	287	22	7.6	0
12/05/2022 15:40	4.3	288	21	7.1	0
12/05/2022 15:50	4.6	281	22	7.2	0
12/05/2022 16:00	4.3	282	21	7.4	0
12/05/2022 16:10	4.6	282	21	7.2	0
12/05/2022 16:20	4.2	282	23	6.5	0
12/05/2022 16:30	4.1	280	24	7	0
12/05/2022 16:40	4.3	285	21	6.8	0
12/05/2022 16:50	4.5	285	20	6.8	0
12/05/2022 17:00	3.8	282	23	6.4	0
12/05/2022 17:10	3.5	284	25	6	0
12/05/2022 17:20	3.8	282	21	5.6	0
12/05/2022 17:30	3.7	276	21	6	0
12/05/2022 17:40	3.9	284	24	5.9	0
12/05/2022 17:50	4.5	283	19	7.3	0
12/05/2022 18:00	4	284	20	6.8	0
12/05/2022 18:10	3.5	277	25	6.3	0
12/05/2022 18:20	4	275	21	6.8	0
12/05/2022 18:30	3.8	273	22	5.6	0
12/05/2022 18:40	4.1	273	20	7.2	0
12/05/2022 18:50	4.1	272	21	6.4	0
12/05/2022 19:00	3.8	275	28	7.7	0
12/05/2022 19:10	3.7	275	22	5.9	0
12/05/2022 19:20	3.7	271	23	6.2	0
12/05/2022 19:30	4.5	275	23	6.8	0
12/05/2022 19:40	4.5	273	21	7.1	0
12/05/2022 19:50	3.6	269	28	5.6	0
12/05/2022 20:00	3.8	266	30	5.6	0
12/05/2022 20:10	3.6	276	30	7	0
12/05/2022 20:20	3.3	267	35	5.6	0
12/05/2022 20:30	3.5	264	38	6.4	0
12/05/2022 20:40	2.9	264	46	5.7	0
12/05/2022 20:50	3.1	264	43	5.5	0
12/05/2022 21:00	3	250	38	6.6	0
12/05/2022 21:10	3.2	261	34	6.1	0
12/05/2022 21:20	2.7	267	44	5.6	0
12/05/2022 21:30	3	245	45	5.8	0
12/05/2022 21:40	2.7	273	51	4.5	0
12/05/2022 21:50	2.4	225	69	5.6	0
12/05/2022 22:00	2.8	258	47	5.4	0
12/05/2022 22:10	2.6	253	48	4.9	0
12/05/2022 22:20	2.9	249	41	6	0
12/05/2022 22:30	2.8	258	37	4.7	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/05/2022 22:40	2.6	256	49	5.5	0
12/05/2022 22:50	2.4	250	72	5.2	0
12/05/2022 23:00	2.4	240	58	5.4	0
12/05/2022 23:10	1.8	241	56	4	0
12/05/2022 23:20	1.9	281	76	3.8	0
12/05/2022 23:30	2.6	240	50	4.7	0
12/05/2022 23:40	3	254	45	5.3	0
12/05/2022 23:50	2.5	269	44	5.2	0
12/06/2022 00:00	2.1	247	53	4	0
12/06/2022 00:10	2.5	285	43	5	0
12/06/2022 00:20	2.6	258	45	5.9	0
12/06/2022 00:30	2.7	269	31	5.1	0
12/06/2022 00:40	1.8	243	58	3.6	0
12/06/2022 00:50	2.2	262	50	4.1	0
12/06/2022 01:00	2.5	249	53	5.4	0
12/06/2022 01:10	2	261	43	4.4	0
12/06/2022 01:20	2.2	263	50	4.4	0
12/06/2022 01:30	2.2	227	67	4	0
12/06/2022 01:40	2.1	213	49	5.2	0
12/06/2022 01:50	1.8	224	45	3.9	0
12/06/2022 02:00	1.4	204	59	2.7	0
12/06/2022 02:10	2.3	243	45	4.5	0
12/06/2022 02:20	2.3	247	59	4.4	0
12/06/2022 02:30	1.7	242	67	3.6	0
12/06/2022 02:40	1.6	253	55	3.3	0
12/06/2022 02:50	2.1	269	42	3.3	0
12/06/2022 03:00	1.8	234	50	3	0
12/06/2022 03:10	1.9	253	66	3.8	0
12/06/2022 03:20	1.7	223	68	3.9	0
12/06/2022 03:30	2.2	231	61	4	0
12/06/2022 03:40	1.7	247	60	3.5	0
12/06/2022 03:50	2	241	40	3.3	0
12/06/2022 04:00	1.5	246	53	2.8	0
12/06/2022 04:10	1.3	231	78	2.7	0
12/06/2022 04:20	1.3	242	54	2.4	0
12/06/2022 04:30	1.2	270	55	2.1	0
12/06/2022 04:40	1.3	240	40	2.2	0
12/06/2022 04:50	2.2	248	30	3.6	0
12/06/2022 05:00	1.8	262	26	3	0
12/06/2022 05:10	1.7	264	29	2.8	0
12/06/2022 05:20	1.6	278	33	2.5	0
12/06/2022 05:30	2.4	292	13	3.3	0
12/06/2022 05:40	2.5	281	13	3.5	0
12/06/2022 05:50	2.3	275	18	3.2	0
12/06/2022 06:00	2	269	16	3.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/06/2022 06:10	2.2	262	19	3.2	0
12/06/2022 06:20	2.2	261	21	3.5	0
12/06/2022 06:30	2.4	260	17	3.6	0
12/06/2022 06:40	2.6	262	19	3.6	0
12/06/2022 06:50	2.4	267	16	3.3	0
12/06/2022 07:00	3.1	268	12	4.4	0
12/06/2022 07:10	2.8	260	23	4.4	0
12/06/2022 07:20	2.5	252	25	4.2	0
12/06/2022 07:30	2.6	249	21	4	0
12/06/2022 07:40	2.5	253	26	4	0
12/06/2022 07:50	2.2	248	26	4	0
12/06/2022 08:00	1.8	238	46	3.2	0
12/06/2022 08:10	1.8	236	47	3.2	0
12/06/2022 08:20	2.2	256	39	4.3	0
12/06/2022 08:30	2.3	257	26	3.6	0
12/06/2022 08:40	2	240	35	3.9	0
12/06/2022 08:50	2.6	262	28	4.3	0
12/06/2022 09:00	2.5	245	36	4	0
12/06/2022 09:10	2.1	241	44	3.5	0
12/06/2022 09:20	2.5	264	28	3.7	0
12/06/2022 09:30	2.7	267	28	4.6	0
12/06/2022 09:40	2.3	258	44	4.2	0
12/06/2022 09:50	2.8	285	26	4.8	0
12/06/2022 10:00	2.8	284	24	4.7	0
12/06/2022 10:10	3.3	285	25	4.9	0
12/06/2022 10:20	3.5	278	17	5.4	0
12/06/2022 10:30	3.8	287	20	5.5	0
12/06/2022 10:40	3.6	280	23	5.6	0
12/06/2022 10:50	3.6	279	26	5.6	0
12/06/2022 11:00	4.1	278	20	5.9	0
12/06/2022 11:10	4	293	21	5.9	0
12/06/2022 11:20	4	286	21	6.4	0
12/06/2022 11:30	3.8	272	26	6	0
12/06/2022 11:40	3.5	258	30	5.6	0
12/06/2022 11:50	3.1	237	36	4.8	0
12/06/2022 12:00	3	250	35	5.1	0
12/06/2022 12:10	3.9	275	22	5.4	0
12/06/2022 12:20	3.7	263	29	6.3	0
12/06/2022 12:30	3.7	267	25	6	0
12/06/2022 12:40	3.6	267	24	6	0
12/06/2022 12:50	3.6	260	30	5.6	0
12/06/2022 13:00	3.6	271	31	5.7	0
12/06/2022 13:10	3.7	266	23	6.7	0
12/06/2022 13:20	4	264	25	6.4	0
12/06/2022 13:30	4.2	272	21	6.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/06/2022 13:40	4.2	266	29	7.5	0
12/06/2022 13:50	3.9	264	28	6.4	0
12/06/2022 14:00	4.4	276	20	7.1	0
12/06/2022 14:10	4.7	276	21	6.5	0
12/06/2022 14:20	4.4	269	20	6.7	0
12/06/2022 14:30	4	266	22	6.7	0
12/06/2022 14:40	3.6	261	29	6.4	0
12/06/2022 14:50	4.8	268	18	7.5	0
12/06/2022 15:00	4	264	32	6.5	0
12/06/2022 15:10	4.1	270	23	6.5	0
12/06/2022 15:20	4.8	272	17	8.3	0
12/06/2022 15:30	4.5	271	24	7.5	0
12/06/2022 15:40	4.9	269	23	7.5	0
12/06/2022 15:50	5.1	275	15	7.4	0
12/06/2022 16:00	4.9	274	16	7.2	0
12/06/2022 16:10	5	271	19	7.5	0
12/06/2022 16:20	4.7	275	19	7.2	0
12/06/2022 16:30	4.9	278	17	8.1	0
12/06/2022 16:40	4.9	277	20	7.9	0
12/06/2022 16:50	5.1	273	20	7.9	0
12/06/2022 17:00	4.9	274	22	7.5	0
12/06/2022 17:10	4.4	277	22	7	0
12/06/2022 17:20	4.3	277	22	6.6	0
12/06/2022 17:30	4.1	273	26	6.9	0
12/06/2022 17:40	4.5	274	22	7	0
12/06/2022 17:50	4.4	273	29	6.8	0
12/06/2022 18:00	4.4	273	24	6.6	0
12/06/2022 18:10	4.1	273	26	6.7	0
12/06/2022 18:20	4.4	275	22	7.4	0
12/06/2022 18:30	4.7	274	21	6.8	0
12/06/2022 18:40	4.2	265	28	6.6	0
12/06/2022 18:50	3.6	262	34	6.5	0
12/06/2022 19:00	3.9	272	35	7.3	0
12/06/2022 19:10	3.4	267	38	6	0
12/06/2022 19:20	2.9	257	39	5.7	0
12/06/2022 19:30	2.4	262	54	4.3	0
12/06/2022 19:40	3.5	273	28	6.2	0
12/06/2022 19:50	3.6	268	38	5.8	0
12/06/2022 20:00	2.7	254	48	5.1	0
12/06/2022 20:10	2.5	270	51	5.1	0
12/06/2022 20:20	2.6	258	50	5.7	0
12/06/2022 20:30	2.7	254	58	6	0
12/06/2022 20:40	3.3	250	33	6.2	0
12/06/2022 20:50	2.4	248	42	5.1	0
12/06/2022 21:00	2.4	240	50	4.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/06/2022 21:10	3.2	247	42	5.5	0
12/06/2022 21:20	2.9	263	35	5.4	0
12/06/2022 21:30	2.5	261	42	4.9	0
12/06/2022 21:40	2.3	254	55	4.8	0
12/06/2022 21:50	2.5	258	48	5.9	0
12/06/2022 22:00	3	248	31	5.6	0
12/06/2022 22:10	2.9	257	32	5.2	0
12/06/2022 22:20	3.1	256	30	5.2	0
12/06/2022 22:30	3.3	252	30	6	0
12/06/2022 22:40	2.7	263	42	4.9	0
12/06/2022 22:50	2.7	267	44	5	0
12/06/2022 23:00	2.9	259	39	5.4	0
12/06/2022 23:10	2.6	254	53	4.9	0
12/06/2022 23:20	2.4	249	47	5.3	0
12/06/2022 23:30	2.7	258	50	5.2	0
12/06/2022 23:40	2.2	242	64	4.6	0
12/06/2022 23:50	2.5	267	37	4.9	0
12/07/2022 00:00	2.6	260	45	5.1	0
12/07/2022 00:10	2.6	268	45	5	0
12/07/2022 00:20	2.9	265	43	5.5	0
12/07/2022 00:30	2.8	260	42	5.9	0
12/07/2022 00:40	2.4	256	54	4.4	0
12/07/2022 00:50	2.1	220	62	4	0
12/07/2022 01:00	2	223	60	4.9	0
12/07/2022 01:10	2.6	228	55	6	0
12/07/2022 01:20	2.8	249	44	5.3	0
12/07/2022 01:30	2.5	232	51	4.4	0
12/07/2022 01:40	2.5	239	60	5.1	0
12/07/2022 01:50	2.8	240	45	4.8	0
12/07/2022 02:00	2.7	221	55	5	0
12/07/2022 02:10	2.4	242	49	5.3	0
12/07/2022 02:20	2.2	246	53	4.2	0
12/07/2022 02:30	2.4	262	47	4.4	0
12/07/2022 02:40	1.7	228	76	3.8	0
12/07/2022 02:50	1.8	240	67	3.6	0
12/07/2022 03:00	1.7	243	70	4	0
12/07/2022 03:10	1.7	230	63	3.6	0
12/07/2022 03:20	1.9	245	53	4	0
12/07/2022 03:30	1.5	263	60	2.8	0
12/07/2022 03:40	1.6	225	48	2.9	0
12/07/2022 03:50	1.6	261	52	3.3	0
12/07/2022 04:00	1.5	269	36	2.5	0
12/07/2022 04:10	1.2	152	58	2.4	0
12/07/2022 04:20	1.8	289	49	3.4	0
12/07/2022 04:30	1.5	252	55	3.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/07/2022 04:40	1.5	281	58	2.8	0
12/07/2022 04:50	1.5	257	53	2.9	0
12/07/2022 05:00	1.5	271	41	3.4	0
12/07/2022 05:10	1.8	230	63	3	0
12/07/2022 05:20	2.5	263	26	4.2	0
12/07/2022 05:30	2.3	262	29	4.2	0
12/07/2022 05:40	1.7	257	40	3.1	0
12/07/2022 05:50	1.7	241	66	3.6	0
12/07/2022 06:00	1.3	228	57	3.1	0
12/07/2022 06:10	1.5	230	47	2.7	0
12/07/2022 06:20	1.4	227	85	2.8	0
12/07/2022 06:30	1.7	272	46	2.7	0
12/07/2022 06:40	2	258	52	3.8	0
12/07/2022 06:50	2.2	277	37	4.4	0
12/07/2022 07:00	2.4	264	48	5.1	0
12/07/2022 07:10	2.1	263	63	4.2	0
12/07/2022 07:20	2.2	268	39	3.9	0
12/07/2022 07:30	2.8	265	24	4.4	0
12/07/2022 07:40	2.6	268	29	4	0
12/07/2022 07:50	3.2	263	26	4.9	0
12/07/2022 08:00	3.1	275	20	4.8	0
12/07/2022 08:10	2.9	269	25	5.4	0
12/07/2022 08:20	2.9	272	27	4.4	0
12/07/2022 08:30	2.7	265	35	4.8	0
12/07/2022 08:40	2.9	262	24	5.2	0
12/07/2022 08:50	2.3	244	37	4	0
12/07/2022 09:00	2.2	236	41	4	0
12/07/2022 09:10	2.4	253	31	3.7	0
12/07/2022 09:20	2.8	275	25	4.7	0
12/07/2022 09:30	2.9	278	21	4.3	0
12/07/2022 09:40	3.1	279	20	4.8	0
12/07/2022 09:50	3.1	284	22	4.8	0
12/07/2022 10:00	3.4	286	21	5.4	0
12/07/2022 10:10	3.3	275	27	4.9	0
12/07/2022 10:20	3.7	272	22	5.7	0
12/07/2022 10:30	3.7	276	23	6	0
12/07/2022 10:40	4.3	271	20	6.7	0
12/07/2022 10:50	4.5	271	17	6.6	0
12/07/2022 11:00	4.1	270	22	6.4	0
12/07/2022 11:10	4.1	263	20	6.1	0
12/07/2022 11:20	4.1	268	22	6.3	0
12/07/2022 11:30	3.9	271	27	6.2	0
12/07/2022 11:40	3.8	267	28	6.8	0
12/07/2022 11:50	4.1	267	25	6.5	0
12/07/2022 12:00	4	268	25	6.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/07/2022 12:10	3.8	258	29	6.7	0
12/07/2022 12:20	4.4	266	22	7.1	0
12/07/2022 12:30	4.6	268	23	7.2	0
12/07/2022 12:40	4.9	269	31	7.3	0
12/07/2022 12:50	4.3	265	25	6.8	0
12/07/2022 13:00	4.4	268	24	7.5	0
12/07/2022 13:10	4.7	266	24	7	0
12/07/2022 13:20	5.1	267	20	7.9	0
12/07/2022 13:30	4.9	274	22	7.8	0
12/07/2022 13:40	4.9	267	21	8	0
12/07/2022 13:50	4.6	268	28	7.9	0
12/07/2022 14:00	5.3	275	18	7.7	0
12/07/2022 14:10	4.9	269	22	7.2	0
12/07/2022 14:20	5.1	270	20	7.6	0
12/07/2022 14:30	4.9	265	25	8.1	0
12/07/2022 14:40	5.1	277	16	7.6	0
12/07/2022 14:50	4.7	272	20	7.4	0
12/07/2022 15:00	4.6	270	22	7.6	0
12/07/2022 15:10	4.9	271	20	7.5	0
12/07/2022 15:20	4.8	279	17	8.1	0
12/07/2022 15:30	4.9	272	21	7.5	0
12/07/2022 15:40	4.8	277	19	7.5	0
12/07/2022 15:50	5.1	275	19	8.2	0
12/07/2022 16:00	4.6	278	21	6.9	0
12/07/2022 16:10	5	270	19	7.5	0
12/07/2022 16:20	4.7	273	18	7.1	0
12/07/2022 16:30	5.3	276	21	7.2	0
12/07/2022 16:40	4.4	273	20	7.5	0
12/07/2022 16:50	5	283	18	7.4	0
12/07/2022 17:00	4.8	278	18	7.3	0
12/07/2022 17:10	4.5	274	18	6.4	0
12/07/2022 17:20	3.5	263	38	5.6	0
12/07/2022 17:30	3.9	271	24	6.6	0
12/07/2022 17:40	3.5	262	29	5.8	0
12/07/2022 17:50	3.2	264	48	6.1	0
12/07/2022 18:00	3.3	266	42	6.5	0
12/07/2022 18:10	3.1	270	35	5.5	0
12/07/2022 18:20	3.3	266	46	6.4	0
12/07/2022 18:30	3.4	269	35	6.3	0
12/07/2022 18:40	3.3	266	37	5.7	0
12/07/2022 18:50	3.2	269	30	5.3	0
12/07/2022 19:00	3	262	34	6	0
12/07/2022 19:10	3.5	269	34	6.8	0
12/07/2022 19:20	3.2	265	37	6.2	0
12/07/2022 19:30	3.7	273	29	6.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/07/2022 19:40	3.2	271	29	5.5	0
12/07/2022 19:50	3.6	258	41	6.5	0
12/07/2022 20:00	3.1	257	42	6.5	0
12/07/2022 20:10	3.5	262	37	6.5	0
12/07/2022 20:20	3.6	271	31	6	0
12/07/2022 20:30	3.2	262	42	7	0
12/07/2022 20:40	3.3	256	48	5.6	0
12/07/2022 20:50	2.5	259	69	5.2	0
12/07/2022 21:00	3.1	248	47	7.5	0
12/07/2022 21:10	2.1	256	72	5.4	0
12/07/2022 21:20	2.6	246	60	5	0
12/07/2022 21:30	2.6	239	47	4.8	0
12/07/2022 21:40	2.5	233	59	5.9	0
12/07/2022 21:50	2.6	212	50	5.1	0
12/07/2022 22:00	2.9	203	47	5.9	0
12/07/2022 22:10	2.6	211	56	4.8	0
12/07/2022 22:20	3	228	41	5.4	0
12/07/2022 22:30	2.6	227	62	5.7	0
12/07/2022 22:40	2.5	237	57	5	0
12/07/2022 22:50	3	236	48	6.4	0
12/07/2022 23:00	2.8	242	57	5.6	0
12/07/2022 23:10	2.9	238	51	6.1	0
12/07/2022 23:20	2.5	216	56	4.8	0
12/07/2022 23:30	2.9	222	47	6	0
12/07/2022 23:40	3.1	219	39	6	0
12/07/2022 23:50	2.5	225	64	5.4	0
12/08/2022 00:00	2.9	236	43	6.3	0
12/08/2022 00:10	2.9	240	45	6	0
12/08/2022 00:20	3	224	38	5.7	0
12/08/2022 00:30	2.2	233	68	4.8	0
12/08/2022 00:40	2.9	256	47	5.9	0
12/08/2022 00:50	2	207	65	4.4	0
12/08/2022 01:00	2.4	212	54	5.1	0
12/08/2022 01:10	2.4	246	65	6.4	0
12/08/2022 01:20	2.3	246	57	4.5	0
12/08/2022 01:30	2.4	228	51	4.8	0
12/08/2022 01:40	2.2	234	54	4.4	0
12/08/2022 01:50	2.4	248	43	4.8	0
12/08/2022 02:00	2.4	236	55	5	0
12/08/2022 02:10	2.3	232	48	4.5	0
12/08/2022 02:20	2.5	234	47	5.6	0
12/08/2022 02:30	1.6	231	83	3.2	0
12/08/2022 02:40	2.3	200	42	4.2	0
12/08/2022 02:50	2.2	239	41	4.4	0
12/08/2022 03:00	1.9	228	51	4.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/08/2022 03:10	1.7	209	50	4	0
12/08/2022 03:20	1.7	226	59	4.3	0
12/08/2022 03:30	1.7	261	47	3.2	0
12/08/2022 03:40	1.4	281	51	2.5	0
12/08/2022 03:50	1.5	281	75	2.9	0
12/08/2022 04:00	1.5	251	57	3.2	0
12/08/2022 04:10	1.6	270	46	2.9	0
12/08/2022 04:20	1.3	275	60	2.8	0
12/08/2022 04:30	1	275	39	2.7	0
12/08/2022 04:40	1.7	270	37	2.8	0
12/08/2022 04:50	1.3	259	51	2.7	0
12/08/2022 05:00	1.6	250	45	2.7	0
12/08/2022 05:10	1.7	255	42	3	0
12/08/2022 05:20	1.5	259	46	2.7	0
12/08/2022 05:30	1.2	248	63	3.3	0
12/08/2022 05:40	1.8	229	50	3.4	0
12/08/2022 05:50	1.9	225	66	4	0
12/08/2022 06:00	1.7	181	60	3.8	0
12/08/2022 06:10	1.5	173	91	3.1	0
12/08/2022 06:20	1.6	229	70	3.1	0
12/08/2022 06:30	2.1	252	36	4.1	0
12/08/2022 06:40	2.2	218	35	4	0
12/08/2022 06:50	2.1	211	41	4	0
12/08/2022 07:00	2.5	216	33	4.7	0
12/08/2022 07:10	2.3	247	35	3.8	0
12/08/2022 07:20	2.5	234	32	4.2	0
12/08/2022 07:30	2.1	242	52	4.2	0
12/08/2022 07:40	1.9	224	43	3.7	0
12/08/2022 07:50	2.4	242	41	3.8	0
12/08/2022 08:00	2.3	236	38	5.1	0
12/08/2022 08:10	2.4	219	43	4.4	0
12/08/2022 08:20	2.7	230	34	4.2	0
12/08/2022 08:30	2.1	223	47	4.2	0
12/08/2022 08:40	3.7	212	28	6.5	0
12/08/2022 08:50	3.1	210	33	5.6	0
12/08/2022 09:00	3.3	204	41	6.2	0
12/08/2022 09:10	3.6	212	29	6	0
12/08/2022 09:20	3.3	215	38	6.1	0
12/08/2022 09:30	3.3	207	26	5.1	0
12/08/2022 09:40	3.3	222	41	5	0
12/08/2022 09:50	3.4	214	28	5.6	0
12/08/2022 10:00	2.8	219	37	5.7	0
12/08/2022 10:10	2.8	222	37	5	0
12/08/2022 10:20	3	240	41	5.3	0
12/08/2022 10:30	3.5	209	25	5.2	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/08/2022 10:40	3.7	215	30	6	0
12/08/2022 10:50	3.2	233	46	5.4	0
12/08/2022 11:00	3.2	270	26	5.2	0
12/08/2022 11:10	3.6	271	22	5.6	0
12/08/2022 11:20	3.7	273	23	5.3	0
12/08/2022 11:30	4.1	280	20	6.3	0
12/08/2022 11:40	4	272	21	6.1	0
12/08/2022 11:50	4	277	20	6.1	0
12/08/2022 12:00	4.2	278	24	6.4	0
12/08/2022 12:10	4.2	286	23	6.1	0
12/08/2022 12:20	4.4	281	25	6.8	0
12/08/2022 12:30	4.1	280	22	6.4	0
12/08/2022 12:40	4.4	280	19	6.2	0
12/08/2022 12:50	4.3	282	21	7.2	0
12/08/2022 13:00	4.5	278	20	7.3	0
12/08/2022 13:10	4.4	274	21	7.4	0
12/08/2022 13:20	4.3	281	23	6.7	0
12/08/2022 13:30	4.3	272	21	6.6	0
12/08/2022 13:40	4.3	276	22	6.4	0
12/08/2022 13:50	4.4	275	25	6.5	0
12/08/2022 14:00	4.4	282	22	7	0
12/08/2022 14:10	4.5	278	23	6.6	0
12/08/2022 14:20	4.1	273	23	6.3	0
12/08/2022 14:30	4.5	270	23	6.8	0
12/08/2022 14:40	4.8	281	21	6.8	0
12/08/2022 14:50	4.7	277	23	7.3	0
12/08/2022 15:00	4.4	275	24	7.5	0
12/08/2022 15:10	4.4	270	20	6.7	0
12/08/2022 15:20	4.8	270	22	7.5	0
12/08/2022 15:30	4.8	270	22	8.2	0
12/08/2022 15:40	4.9	269	21	7.6	0
12/08/2022 15:50	4.7	270	22	7.1	0
12/08/2022 16:00	5	266	23	8	0
12/08/2022 16:10	4.3	269	24	6.4	0
12/08/2022 16:20	5.3	268	21	9.2	0
12/08/2022 16:30	4.5	268	28	7.7	0
12/08/2022 16:40	4.5	268	33	8.3	0
12/08/2022 16:50	3.8	262	44	6.6	0
12/08/2022 17:00	3.7	252	44	6.4	0
12/08/2022 17:10	4.1	269	33	7	0
12/08/2022 17:20	4.5	268	24	6.8	0
12/08/2022 17:30	3.5	265	36	6.4	0
12/08/2022 17:40	4.8	267	22	8.3	0
12/08/2022 17:50	3.9	264	33	7.4	0
12/08/2022 18:00	4	271	26	6.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/08/2022 18:10	3.7	272	29	6.9	0
12/08/2022 18:20	4.2	269	34	7.8	0
12/08/2022 18:30	4.2	271	33	7.9	0
12/08/2022 18:40	4.6	261	33	7.2	0
12/08/2022 18:50	4.3	271	21	6.9	0
12/08/2022 19:00	4.4	267	22	6.9	0
12/08/2022 19:10	4.2	267	26	6.5	0
12/08/2022 19:20	3.8	271	27	6	0
12/08/2022 19:30	3.9	268	25	6	0
12/08/2022 19:40	4	274	24	6.4	0
12/08/2022 19:50	4.1	267	22	6.4	0
12/08/2022 20:00	4	269	20	6.3	0
12/08/2022 20:10	3	270	33	6	0
12/08/2022 20:20	4	267	27	6.6	0
12/08/2022 20:30	3.7	266	36	6.8	0
12/08/2022 20:40	2.9	238	52	6	0
12/08/2022 20:50	3	244	47	5.7	0
12/08/2022 21:00	3.6	262	30	6.3	0
12/08/2022 21:10	3.8	274	19	5.8	0
12/08/2022 21:20	3.5	267	30	7	0
12/08/2022 21:30	3.2	272	37	5.6	0
12/08/2022 21:40	2.9	254	43	5.8	0
12/08/2022 21:50	4.2	278	21	6.7	0
12/08/2022 22:00	4	274	29	7	0
12/08/2022 22:10	2.8	248	52	5.1	0
12/08/2022 22:20	3.2	273	38	5.7	0
12/08/2022 22:30	2.4	264	64	4.8	0
12/08/2022 22:40	2.8	261	44	6.3	0
12/08/2022 22:50	3.5	269	28	6.5	0
12/08/2022 23:00	3.3	273	30	6.1	0
12/08/2022 23:10	3.2	271	34	5.7	0
12/08/2022 23:20	2.2	260	58	4.8	0
12/08/2022 23:30	2.7	263	47	5.4	0
12/08/2022 23:40	3	264	34	5.2	0
12/08/2022 23:50	2.9	268	43	5.6	0
12/09/2022 00:00	2.6	262	56	4.8	0
12/09/2022 00:10	2.5	237	60	5	0
12/09/2022 00:20	3.3	264	30	6.4	0
12/09/2022 00:30	3.1	261	35	6	0
12/09/2022 00:40	3	263	33	4.8	0
12/09/2022 00:50	3	264	47	5.2	0
12/09/2022 01:00	2.9	265	37	5.4	0
12/09/2022 01:10	2.9	255	38	5.2	0
12/09/2022 01:20	2.4	245	44	5.2	0
12/09/2022 01:30	2.7	271	60	5.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/09/2022 01:40	2.4	233	57	4.9	0
12/09/2022 01:50	2.7	245	54	5.9	0
12/09/2022 02:00	3	255	34	5.9	0
12/09/2022 02:10	2.6	258	47	4.8	0
12/09/2022 02:20	2.6	246	54	5.3	0
12/09/2022 02:30	2.2	247	53	5.1	0
12/09/2022 02:40	2.9	242	43	5	0
12/09/2022 02:50	2.1	251	55	3.8	0
12/09/2022 03:00	2.5	261	42	4.7	0
12/09/2022 03:10	2.8	264	31	5.3	0
12/09/2022 03:20	1.8	232	64	3.9	0
12/09/2022 03:30	1.8	206	66	4.2	0
12/09/2022 03:40	1.9	223	61	4.7	0
12/09/2022 03:50	1.9	207	53	4	0
12/09/2022 04:00	1.9	218	49	3.5	0
12/09/2022 04:10	1.8	255	55	3.8	0
12/09/2022 04:20	2.1	251	47	4.3	0
12/09/2022 04:30	1.9	245	40	3.8	0
12/09/2022 04:40	2.9	261	26	5.5	0
12/09/2022 04:50	2.6	265	34	4.4	0
12/09/2022 05:00	2.1	272	28	3.7	0
12/09/2022 05:10	1.6	254	57	2.9	0
12/09/2022 05:20	1.8	235	41	3.2	0
12/09/2022 05:30	1.6	233	58	2.8	0
12/09/2022 05:40	2.1	234	40	3.9	0
12/09/2022 05:50	1.6	251	54	2.6	0
12/09/2022 06:00	1.8	268	51	3.2	0
12/09/2022 06:10	1.8	237	64	4.2	0
12/09/2022 06:20	2.5	258	40	4.7	0
12/09/2022 06:30	2	261	49	4.3	0
12/09/2022 06:40	2.1	264	43	4.5	0
12/09/2022 06:50	2.1	231	47	4.2	0
12/09/2022 07:00	1.8	236	51	3.6	0
12/09/2022 07:10	3	264	24	5.6	0
12/09/2022 07:20	3.1	271	25	5.4	0
12/09/2022 07:30	2.9	266	25	5.7	0
12/09/2022 07:40	2.6	268	34	4.4	0
12/09/2022 07:50	2.6	269	34	4.7	0
12/09/2022 08:00	2.8	268	37	5.1	0
12/09/2022 08:10	3.5	271	20	5.5	0
12/09/2022 08:20	3	256	32	4.8	0
12/09/2022 08:30	2.6	271	37	4.3	0
12/09/2022 08:40	2.8	268	31	4.8	0
12/09/2022 08:50	3.4	272	22	5	0
12/09/2022 09:00	3.1	271	29	4.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/09/2022 09:10	3.2	274	29	5.2	0
12/09/2022 09:20	3.2	270	28	5.2	0
12/09/2022 09:30	3.4	270	25	5.2	0
12/09/2022 09:40	3.9	274	21	6.1	0
12/09/2022 09:50	3.7	275	23	6	0
12/09/2022 10:00	3.9	278	23	5.7	0
12/09/2022 10:10	4	281	23	6.1	0
12/09/2022 10:20	3.7	283	23	6.3	0
12/09/2022 10:30	4.1	286	21	6.2	0
12/09/2022 10:40	3.9	276	24	6.2	0
12/09/2022 10:50	3.6	273	23	5.6	0
12/09/2022 11:00	4.1	278	21	6.2	0
12/09/2022 11:10	4.1	276	21	6	0
12/09/2022 11:20	4.1	276	25	6.4	0
12/09/2022 11:30	4	275	26	6.2	0
12/09/2022 11:40	4.1	277	21	6.4	0
12/09/2022 11:50	4.4	273	20	6.2	0
12/09/2022 12:00	4.5	275	21	6.7	0
12/09/2022 12:10	4.6	279	18	7.3	0
12/09/2022 12:20	4.7	277	18	7.1	0
12/09/2022 12:30	4.5	274	19	7.3	0
12/09/2022 12:40	4.4	278	19	6.8	0
12/09/2022 12:50	4.5	276	20	7	0
12/09/2022 13:00	4.9	280	17	7.3	0
12/09/2022 13:10	4.6	279	20	7.2	0
12/09/2022 13:20	4.6	277	20	7.2	0
12/09/2022 13:30	4.5	282	21	7.3	0
12/09/2022 13:40	4.5	277	20	6.6	0
12/09/2022 13:50	4.7	276	21	7.5	0
12/09/2022 14:00	4.8	277	20	7.4	0
12/09/2022 14:10	4.8	276	20	7.1	0
12/09/2022 14:20	4.4	269	22	7.3	0
12/09/2022 14:30	4.5	269	19	7.3	0
12/09/2022 14:40	4.6	267	21	7.4	0
12/09/2022 14:50	5	274	19	7.1	0
12/09/2022 15:00	4.5	272	22	7.2	0
12/09/2022 15:10	4.5	276	22	7	0
12/09/2022 15:20	4.7	273	21	7.2	0
12/09/2022 15:30	4	278	22	6.6	0
12/09/2022 15:40	4.1	252	38	7.2	0
12/09/2022 15:50	3.8	263	40	7.5	0
12/09/2022 16:00	4.5	258	35	7.9	0
12/09/2022 16:10	4.4	272	32	7.2	0
12/09/2022 16:20	3.4	255	44	6.1	0
12/09/2022 16:30	3.5	265	38	5.8	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/09/2022 16:40	4.1	267	31	7.8	0
12/09/2022 16:50	3.2	267	26	5.9	0
12/09/2022 17:00	3.4	258	38	6.2	0
12/09/2022 17:10	3.1	265	38	6.2	0
12/09/2022 17:20	3.4	259	34	7	0
12/09/2022 17:30	3	267	33	5.9	0
12/09/2022 17:40	3.1	268	28	5.5	0
12/09/2022 17:50	3.2	265	29	6	0
12/09/2022 18:00	2.9	274	29	5.7	0
12/09/2022 18:10	3.3	269	28	5.8	0
12/09/2022 18:20	3.7	273	22	5.4	0
12/09/2022 18:30	3	272	30	4.8	0
12/09/2022 18:40	3.5	272	24	5.8	0
12/09/2022 18:50	3.7	278	18	5.6	0
12/09/2022 19:00	2.7	265	27	5.4	0
12/09/2022 19:10	3.4	275	19	5.1	0
12/09/2022 19:20	3	275	23	5	0
12/09/2022 19:30	2.7	264	31	5.3	0
12/09/2022 19:40	2.9	269	28	4.8	0
12/09/2022 19:50	3	278	17	4.6	0
12/09/2022 20:00	2.9	259	33	5.5	0
12/09/2022 20:10	2.5	241	35	4.4	0
12/09/2022 20:20	2.7	232	34	4.4	0
12/09/2022 20:30	2.8	283	26	4.8	0
12/09/2022 20:40	2.2	251	44	4.4	0
12/09/2022 20:50	2.9	276	21	4.7	0
12/09/2022 21:00	2.4	279	25	3.4	0
12/09/2022 21:10	1.9	276	41	3.3	0
12/09/2022 21:20	2.5	283	19	4.1	0
12/09/2022 21:30	2	233	49	3.2	0
12/09/2022 21:40	2.2	275	36	3.8	0
12/09/2022 21:50	2	275	46	3.7	0
12/09/2022 22:00	2.6	276	31	4.3	0
12/09/2022 22:10	2.6	274	25	4.4	0
12/09/2022 22:20	2.4	274	24	4.4	0
12/09/2022 22:30	1.8	236	47	3.7	0
12/09/2022 22:40	2	290	29	3.8	0
12/09/2022 22:50	2.4	270	33	3.9	0
12/09/2022 23:00	2.2	272	43	4.1	0
12/09/2022 23:10	1.9	285	26	3.3	0
12/09/2022 23:20	2.1	250	45	3.6	0
12/09/2022 23:30	1.9	269	38	3.5	0
12/09/2022 23:40	2.5	278	25	4	0
12/09/2022 23:50	1.5	291	50	2.8	0
12/10/2022 00:00	2.4	279	20	3.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/10/2022 00:10	1.9	270	40	3.5	0
12/10/2022 00:20	1.8	268	52	3.2	0
12/10/2022 00:30	1.7	268	41	3.2	0
12/10/2022 00:40	1.5	260	64	2.8	0
12/10/2022 00:50	1.5	274	63	3	0
12/10/2022 01:00	1.8	246	62	3.6	0
12/10/2022 01:10	1.6	260	55	2.8	0
12/10/2022 01:20	1.8	272	40	3.3	0
12/10/2022 01:30	2	275	33	3.6	0
12/10/2022 01:40	2.2	276	26	3.6	0
12/10/2022 01:50	1.6	249	57	3.2	0
12/10/2022 02:00	1.7	279	29	3.1	0
12/10/2022 02:10	1.7	275	54	3.3	0
12/10/2022 02:20	2	260	38	3.8	0
12/10/2022 02:30	1.7	275	58	3.3	0
12/10/2022 02:40	1.7	271	61	3.2	0
12/10/2022 02:50	1.5	253	73	3	0
12/10/2022 03:00	1.7	264	49	3.6	0
12/10/2022 03:10	2	257	32	3.6	0
12/10/2022 03:20	2.1	267	29	3.5	0
12/10/2022 03:30	1.5	275	47	3.4	0
12/10/2022 03:40	1.1	119	78	2	0
12/10/2022 03:50	2.1	286	33	3.6	0
12/10/2022 04:00	2	245	39	3.4	0
12/10/2022 04:10	2.3	284	15	3.3	0
12/10/2022 04:20	1.9	291	21	3.2	0
12/10/2022 04:30	2.2	297	19	3.2	0
12/10/2022 04:40	2.2	299	9	3	0
12/10/2022 04:50	2.2	300	9	2.8	0
12/10/2022 05:00	2.3	299	10	3.2	0
12/10/2022 05:10	2.4	296	15	3.4	0
12/10/2022 05:20	2	301	15	2.9	0
12/10/2022 05:30	1.5	337	40	2.4	0
12/10/2022 05:40	2.1	294	16	3	0
12/10/2022 05:50	2.1	284	10	2.9	0
12/10/2022 06:00	2.3	289	11	3.2	0
12/10/2022 06:10	2.2	285	9	3.1	0
12/10/2022 06:20	2.3	296	10	3	0
12/10/2022 06:30	1.9	297	14	2.8	0
12/10/2022 06:40	1.9	291	18	2.8	0
12/10/2022 06:50	1.9	291	13	2.7	0
12/10/2022 07:00	1.6	287	15	2.3	0
12/10/2022 07:10	1.3	289	47	2.2	0
12/10/2022 07:20	1.5	289	17	2.2	0
12/10/2022 07:30	1.1	258	26	2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/10/2022 07:40	1.9	197	26	3.2	0
12/10/2022 07:50	1.5	203	30	2.8	0
12/10/2022 08:00	1.8	205	24	2.8	0
12/10/2022 08:10	1.5	222	27	2.4	0
12/10/2022 08:20	1.9	208	27	3.1	0
12/10/2022 08:30	2.4	199	20	3.6	0
12/10/2022 08:40	2.2	238	37	3.7	0
12/10/2022 08:50	1.7	254	45	2.9	0
12/10/2022 09:00	2.9	195	16	4.2	0
12/10/2022 09:10	2.6	201	17	4	0
12/10/2022 09:20	2.5	203	24	4.1	0
12/10/2022 09:30	2.9	200	22	4	0
12/10/2022 09:40	3.4	197	16	4.7	0
12/10/2022 09:50	3.6	196	19	5.2	0
12/10/2022 10:00	3.5	192	19	5.6	0
12/10/2022 10:10	2.7	211	28	4.4	0
12/10/2022 10:20	3.3	212	31	5.1	0
12/10/2022 10:30	2.5	243	37	4.4	0
12/10/2022 10:40	2.7	236	41	5.2	0
12/10/2022 10:50	2.5	245	42	4.8	0
12/10/2022 11:00	2.9	227	34	5.8	0
12/10/2022 11:10	2.9	221	39	5.2	0
12/10/2022 11:20	3.2	231	41	6.1	0
12/10/2022 11:30	2.6	246	35	5	0
12/10/2022 11:40	3	247	39	5.2	0
12/10/2022 11:50	2.8	243	37	4.7	0
12/10/2022 12:00	3.3	258	32	5.6	0
12/10/2022 12:10	3	228	41	5.9	0
12/10/2022 12:20	3.1	230	49	5.4	0
12/10/2022 12:30	3.5	236	44	6	0
12/10/2022 12:40	3.1	245	46	6.1	0
12/10/2022 12:50	3.4	240	45	6.1	0
12/10/2022 13:00	3.4	245	44	6.9	0
12/10/2022 13:10	3.3	254	46	7	0
12/10/2022 13:20	2.9	237	47	6.2	0
12/10/2022 13:30	3.9	243	39	7	0
12/10/2022 13:40	3.8	253	38	6.9	0
12/10/2022 13:50	3.3	242	58	7	0
12/10/2022 14:00	4.1	265	33	6.8	0
12/10/2022 14:10	3.6	254	45	6.8	0
12/10/2022 14:20	2.8	248	57	5.8	0
12/10/2022 14:30	3.2	251	52	6.9	0
12/10/2022 14:40	3.8	248	41	7.5	0
12/10/2022 14:50	3.1	236	50	6.3	0
12/10/2022 15:00	3.5	245	41	6.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/10/2022 15:10	3.7	245	44	7.5	0
12/10/2022 15:20	3.6	250	43	6.8	0
12/10/2022 15:30	3.5	238	43	7.3	0
12/10/2022 15:40	2.7	234	48	6	0
12/10/2022 15:50	3.5	246	41	5.9	0
12/10/2022 16:00	3.6	243	42	7.3	0
12/10/2022 16:10	3.3	225	42	7.2	0
12/10/2022 16:20	3.4	242	38	6	0
12/10/2022 16:30	3.8	228	41	7.3	0
12/10/2022 16:40	3.7	231	41	6.4	0
12/10/2022 16:50	3.5	246	34	6.8	0
12/10/2022 17:00	3.4	230	43	6.8	0
12/10/2022 17:10	3.1	233	50	6.4	0
12/10/2022 17:20	3.2	216	37	5.8	0
12/10/2022 17:30	2.8	220	40	5.6	0
12/10/2022 17:40	2.7	244	37	5.1	0
12/10/2022 17:50	2.7	265	44	4.8	0
12/10/2022 18:00	2.2	249	51	5.7	0
12/10/2022 18:10	2.2	254	42	4.5	0
12/10/2022 18:20	2.6	269	24	4.3	0
12/10/2022 18:30	2.5	207	38	4.3	0
12/10/2022 18:40	2.4	208	41	4.1	0
12/10/2022 18:50	2.6	207	34	4.5	0
12/10/2022 19:00	2.3	269	36	4.2	0
12/10/2022 19:10	2.2	238	31	4.1	0
12/10/2022 19:20	2.6	268	25	4.5	0
12/10/2022 19:30	2.9	278	21	4.3	0
12/10/2022 19:40	2.4	264	33	4.2	0
12/10/2022 19:50	1.9	266	50	3.9	0
12/10/2022 20:00	2.3	280	19	3.2	0
12/10/2022 20:10	1.5	252	61	3.1	0
12/10/2022 20:20	1.7	278	51	3.3	0
12/10/2022 20:30	1.9	287	18	2.8	0
12/10/2022 20:40	1.5	249	55	2.6	0
12/10/2022 20:50	2	205	50	3.8	0
12/10/2022 21:00	2.6	208	31	4.8	0
12/10/2022 21:10	2.1	259	35	3.9	0
12/10/2022 21:20	2.6	275	18	4.3	0
12/10/2022 21:30	2.1	278	28	4	0
12/10/2022 21:40	2.1	225	55	4.2	0
12/10/2022 21:50	2.6	211	35	4.3	0
12/10/2022 22:00	2.3	198	35	4	0
12/10/2022 22:10	2.9	206	31	5.9	0
12/10/2022 22:20	2.8	203	31	5.2	0
12/10/2022 22:30	3.3	204	28	5.4	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/10/2022 22:40	2.7	208	29	5.1	0
12/10/2022 22:50	2.3	211	35	3.6	0
12/10/2022 23:00	3.3	200	25	5.1	0
12/10/2022 23:10	2.8	201	27	4.4	0
12/10/2022 23:20	2.1	212	32	3.9	0
12/10/2022 23:30	2.3	220	41	4	0
12/10/2022 23:40	2.5	209	33	4.1	0
12/10/2022 23:50	2.9	210	29	4.8	0
12/11/2022 00:00	3.1	216	26	5.2	0
12/11/2022 00:10	2.4	209	37	4.3	0
12/11/2022 00:20	2.2	212	40	4.2	0
12/11/2022 00:30	2.3	210	32	4	0
12/11/2022 00:40	2.5	210	32	4.8	0
12/11/2022 00:50	2.4	208	31	4.3	0
12/11/2022 01:00	2.6	202	28	4.4	0
12/11/2022 01:10	2.5	219	39	4.7	0
12/11/2022 01:20	2.6	215	35	4.4	0
12/11/2022 01:30	2.6	207	33	4.7	0
12/11/2022 01:40	2.7	216	27	4.4	0
12/11/2022 01:50	2.6	214	31	4.4	0
12/11/2022 02:00	2.7	209	26	4.5	0
12/11/2022 02:10	2.7	211	27	5	0
12/11/2022 02:20	2.7	220	33	5.3	0
12/11/2022 02:30	2.8	209	30	4.6	0
12/11/2022 02:40	2.6	217	34	5.1	0
12/11/2022 02:50	2.1	228	31	3.6	0
12/11/2022 03:00	1.9	239	33	3.2	0
12/11/2022 03:10	2.5	229	30	4.7	0
12/11/2022 03:20	2.6	213	27	5	0
12/11/2022 03:30	2.6	211	27	4.2	0
12/11/2022 03:40	2.8	209	24	4.2	0
12/11/2022 03:50	2.6	206	26	4.4	0
12/11/2022 04:00	3.1	202	22	5.3	0
12/11/2022 04:10	3	208	21	4.4	0
12/11/2022 04:20	2.8	214	25	4.4	0
12/11/2022 04:30	2.9	212	23	4.7	0
12/11/2022 04:40	2.4	211	21	3.6	0
12/11/2022 04:50	2	228	31	3.3	0
12/11/2022 05:00	3.1	208	15	4.4	0
12/11/2022 05:10	3.7	201	16	5.2	0
12/11/2022 05:20	3.5	206	13	4.9	0
12/11/2022 05:30	3.2	207	17	5	0
12/11/2022 05:40	3	207	18	4.3	0
12/11/2022 05:50	3.2	207	13	4.3	0
12/11/2022 06:00	3.4	203	14	4.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/11/2022 06:10	3.5	211	12	5.1	0
12/11/2022 06:20	3.7	211	13	4.8	0
12/11/2022 06:30	3.6	208	12	5.1	0
12/11/2022 06:40	3.5	209	11	4.6	0
12/11/2022 06:50	3.3	209	13	4.5	0
12/11/2022 07:00	3.2	209	15	4.3	0
12/11/2022 07:10	3.4	201	11	4.7	0
12/11/2022 07:20	3.4	204	13	4.8	0
12/11/2022 07:30	3.4	200	13	4.8	0
12/11/2022 07:40	3	199	13	4.2	0
12/11/2022 07:50	3	193	16	4.1	0
12/11/2022 08:00	2.9	197	15	3.9	0
12/11/2022 08:10	2.6	200	14	3.7	0
12/11/2022 08:20	2.3	200	16	3.2	0
12/11/2022 08:30	2.2	190	18	3	0
12/11/2022 08:40	2.5	197	18	3.9	0
12/11/2022 08:50	2.5	201	19	3.5	0
12/11/2022 09:00	3.4	194	16	5.2	0
12/11/2022 09:10	3.5	191	16	4.8	0
12/11/2022 09:20	3.9	195	16	5.5	0
12/11/2022 09:30	3.9	203	21	7.1	0
12/11/2022 09:40	4.8	193	14	6.8	0
12/11/2022 09:50	4.7	200	15	6.8	0
12/11/2022 10:00	3.6	204	21	5.6	0
12/11/2022 10:10	2.9	239	38	5.6	0
12/11/2022 10:20	3.2	271	27	5.4	0
12/11/2022 10:30	2.5	273	30	4.6	0
12/11/2022 10:40	3.4	294	20	5.1	0
12/11/2022 10:50	3.2	291	26	5	0
12/11/2022 11:00	3.4	283	24	5.3	0
12/11/2022 11:10	3.2	278	22	4.8	0
12/11/2022 11:20	3.7	270	19	5.4	0
12/11/2022 11:30	3.4	275	29	5.6	0
12/11/2022 11:40	4	287	21	5.8	0
12/11/2022 11:50	4.1	275	22	6.4	0
12/11/2022 12:00	3.8	277	25	5.6	0
12/11/2022 12:10	3.9	274	23	6.1	0
12/11/2022 12:20	4	268	25	6.6	0
12/11/2022 12:30	3.8	265	25	6.2	0
12/11/2022 12:40	4.2	267	21	6.6	0
12/11/2022 12:50	3.8	267	27	6.1	0
12/11/2022 13:00	3.9	263	28	6.2	0
12/11/2022 13:10	4.6	275	19	7.4	0
12/11/2022 13:20	5.2	294	22	7.9	0
12/11/2022 13:30	5.1	297	20	8.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/11/2022 13:40	4.9	294	21	7.6	0
12/11/2022 13:50	4.5	289	21	6.9	0
12/11/2022 14:00	4.7	301	24	7.5	0
12/11/2022 14:10	4.6	297	22	6.9	0
12/11/2022 14:20	4.1	273	30	7.6	0
12/11/2022 14:30	4.3	269	26	6.6	0
12/11/2022 14:40	3.8	262	38	6.8	0
12/11/2022 14:50	4.3	265	39	8.3	0
12/11/2022 15:00	3.7	258	38	7.2	0
12/11/2022 15:10	3.9	252	43	7.8	0
12/11/2022 15:20	3.5	242	43	7.5	0
12/11/2022 15:30	4	254	36	7	0
12/11/2022 15:40	4.1	250	35	7.2	0
12/11/2022 15:50	4.2	257	33	7.7	0
12/11/2022 16:00	3.9	256	40	7.2	0
12/11/2022 16:10	3.9	254	44	8	0
12/11/2022 16:20	3.8	262	38	6.9	0
12/11/2022 16:30	4	257	48	8.7	0
12/11/2022 16:40	4	264	32	7.4	0
12/11/2022 16:50	3.9	253	34	7.6	0
12/11/2022 17:00	3.6	245	45	7	0
12/11/2022 17:10	4	263	35	7.7	0
12/11/2022 17:20	3.7	262	31	6.8	0
12/11/2022 17:30	4	269	30	6.8	0
12/11/2022 17:40	4.1	275	26	7.2	0
12/11/2022 17:50	3.9	270	32	7.3	0
12/11/2022 18:00	3.5	270	44	6.5	0
12/11/2022 18:10	3.4	254	48	6.3	0
12/11/2022 18:20	3.6	268	35	7	0
12/11/2022 18:30	3.1	265	43	5.6	0
12/11/2022 18:40	3.5	277	37	6.4	0
12/11/2022 18:50	3.2	263	41	5.7	0
12/11/2022 19:00	3	271	46	6.5	0
12/11/2022 19:10	3.4	268	37	6.3	0
12/11/2022 19:20	2.6	243	58	6	0
12/11/2022 19:30	2.9	264	49	6	0
12/11/2022 19:40	2.2	232	59	4.1	0
12/11/2022 19:50	2.9	246	42	5.8	0
12/11/2022 20:00	3	264	30	5.4	0
12/11/2022 20:10	3.2	259	28	5.5	0
12/11/2022 20:20	2.7	268	41	5.6	0
12/11/2022 20:30	2.7	259	35	5.2	0
12/11/2022 20:40	3.1	261	37	6	0
12/11/2022 20:50	2.3	269	45	5.7	0
12/11/2022 21:00	1.9	226	74	4.8	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/11/2022 21:10	2.5	238	50	4.6	0
12/11/2022 21:20	3.5	272	30	6	0
12/11/2022 21:30	2.7	270	33	4.5	0
12/11/2022 21:40	2.9	258	34	5.8	0
12/11/2022 21:50	3.3	260	35	5.4	0
12/11/2022 22:00	2.7	258	40	5.6	0
12/11/2022 22:10	2.9	255	47	6.1	0
12/11/2022 22:20	2.8	268	37	6	0
12/11/2022 22:30	2.5	262	55	5.1	0
12/11/2022 22:40	2.1	228	68	4.7	0
12/11/2022 22:50	2.6	254	42	4.8	0
12/11/2022 23:00	2.7	261	40	5	0
12/11/2022 23:10	2.7	264	39	4.8	0
12/11/2022 23:20	2.5	257	50	4	0
12/11/2022 23:30	2.3	258	46	4.4	0
12/11/2022 23:40	2.6	250	42	5.2	0
12/11/2022 23:50	2.7	236	51	5.2	0
12/12/2022 00:00	2.7	254	42	5	0
12/12/2022 00:10	2.6	255	45	5.2	0
12/12/2022 00:20	2.2	253	70	5.2	0
12/12/2022 00:30	2.5	254	55	4.5	0
12/12/2022 00:40	2.3	251	56	4.8	0
12/12/2022 00:50	2.3	269	40	5.2	0
12/12/2022 01:00	2.7	265	40	4.8	0
12/12/2022 01:10	2.8	264	28	5.2	0
12/12/2022 01:20	2.2	268	61	4.2	0
12/12/2022 01:30	2.1	268	56	4.2	0
12/12/2022 01:40	2.8	259	37	5.7	0
12/12/2022 01:50	2.6	225	56	7.1	0
12/12/2022 02:00	2.8	224	50	5.9	0
12/12/2022 02:10	2.3	239	71	5.6	0
12/12/2022 02:20	2.3	239	64	5.2	0
12/12/2022 02:30	2.8	217	36	4.8	0
12/12/2022 02:40	2.6	218	47	5.1	0
12/12/2022 02:50	2.2	220	57	5.9	0
12/12/2022 03:00	2.3	235	52	5.2	0
12/12/2022 03:10	2.4	244	58	4.4	0
12/12/2022 03:20	2.1	224	56	4.1	0
12/12/2022 03:30	1.8	244	61	4.3	0
12/12/2022 03:40	2.5	238	43	4.5	0
12/12/2022 03:50	1.8	194	55	3.4	0
12/12/2022 04:00	1.5	258	74	3.8	0
12/12/2022 04:10	2	263	34	4.5	0
12/12/2022 04:20	1.9	268	41	3.2	0
12/12/2022 04:30	1.5	286	41	3.2	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/12/2022 04:40	1.7	293	27	2.7	0
12/12/2022 04:50	2	293	17	2.9	0
12/12/2022 05:00	2.3	284	19	3.6	0
12/12/2022 05:10	2.6	279	17	3.7	0
12/12/2022 05:20	2.3	276	28	3.7	0
12/12/2022 05:30	2.2	281	23	3.5	0
12/12/2022 05:40	1.2	252	69	2.8	0
12/12/2022 05:50	1.6	276	31	2.5	0
12/12/2022 06:00	1.9	273	26	3.5	0
12/12/2022 06:10	2	281	20	3.3	0
12/12/2022 06:20	2.4	274	15	3.4	0
12/12/2022 06:30	2.2	272	18	3.3	0
12/12/2022 06:40	2.4	267	19	3.4	0
12/12/2022 06:50	2.5	272	16	3.7	0
12/12/2022 07:00	2.2	269	26	3.4	0
12/12/2022 07:10	2.3	271	25	4	0
12/12/2022 07:20	2.3	261	25	4.4	0
12/12/2022 07:30	2.8	263	19	4.2	0
12/12/2022 07:40	2.2	270	22	3.6	0
12/12/2022 07:50	3.2	278	14	4.4	0
12/12/2022 08:00	3.3	271	14	4.8	0
12/12/2022 08:10	3.2	271	18	4.4	0
12/12/2022 08:20	2.6	258	20	4.1	0
12/12/2022 08:30	2.4	273	23	3.7	0
12/12/2022 08:40	2.3	221	31	4.1	0
12/12/2022 08:50	2.6	259	28	4.5	0
12/12/2022 09:00	2.4	260	33	3.5	0
12/12/2022 09:10	2.3	259	29	4	0
12/12/2022 09:20	2.7	272	18	4.4	0
12/12/2022 09:30	3.2	292	21	4.6	0
12/12/2022 09:40	3.3	293	19	4.8	0
12/12/2022 09:50	3.3	282	19	4.8	0
12/12/2022 10:00	3.6	271	16	5.5	0
12/12/2022 10:10	3.5	279	17	4.8	0
12/12/2022 10:20	3.4	273	20	5.3	0
12/12/2022 10:30	3.5	268	19	5.1	0
12/12/2022 10:40	3.3	268	18	4.7	0
12/12/2022 10:50	3.3	279	22	4.9	0
12/12/2022 11:00	3.3	269	22	5.2	0
12/12/2022 11:10	3.9	267	19	5.6	0
12/12/2022 11:20	3.9	271	18	5.6	0
12/12/2022 11:30	3.9	278	23	5.2	0
12/12/2022 11:40	4.2	270	18	6.2	0
12/12/2022 11:50	3.9	273	16	6	0
12/12/2022 12:00	4.6	271	17	6.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/12/2022 12:10	4.1	269	23	6	0
12/12/2022 12:20	3.8	268	19	5.6	0
12/12/2022 12:30	3.7	272	21	5.7	0
12/12/2022 12:40	4.4	275	18	6.8	0
12/12/2022 12:50	4.4	280	18	6.3	0
12/12/2022 13:00	4	271	19	5.7	0
12/12/2022 13:10	3.7	277	24	5.7	0
12/12/2022 13:20	4.5	296	21	7.3	0
12/12/2022 13:30	4.3	282	23	6.4	0
12/12/2022 13:40	4.3	280	21	7	0
12/12/2022 13:50	4	283	21	6.2	0
12/12/2022 14:00	4	282	23	6.4	0
12/12/2022 14:10	4.7	275	16	6.8	0
12/12/2022 14:20	4.7	281	20	6.8	0
12/12/2022 14:30	4.3	285	20	7	0
12/12/2022 14:40	4.3	286	20	6.1	0
12/12/2022 14:50	4.5	290	23	6.4	0
12/12/2022 15:00	4.2	289	25	6.7	0
12/12/2022 15:10	4.5	286	21	6.9	0
12/12/2022 15:20	4.7	281	19	7.3	0
12/12/2022 15:30	4.6	283	19	6.4	0
12/12/2022 15:40	4.5	280	17	6.4	0
12/12/2022 15:50	4.7	282	17	6.8	0
12/12/2022 16:00	4	277	17	5.6	0
12/12/2022 16:10	4.1	283	17	6.7	0
12/12/2022 16:20	4.2	285	22	6	0
12/12/2022 16:30	4.4	281	21	6.2	0
12/12/2022 16:40	4.1	283	19	6.4	0
12/12/2022 16:50	3.9	281	18	5.9	0
12/12/2022 17:00	4.9	278	20	7.3	0
12/12/2022 17:10	5.1	275	18	7.9	0
12/12/2022 17:20	3.9	267	25	6.8	0
12/12/2022 17:30	4.2	267	26	7.2	0
12/12/2022 17:40	4.3	281	18	6.6	0
12/12/2022 17:50	4.2	272	30	6.8	0
12/12/2022 18:00	4.6	273	22	7.2	0
12/12/2022 18:10	4.3	274	22	7.5	0
12/12/2022 18:20	4.2	274	26	7.2	0
12/12/2022 18:30	4.6	275	18	7.2	0
12/12/2022 18:40	4.3	276	24	6.8	0
12/12/2022 18:50	3.2	274	43	5.5	0
12/12/2022 19:00	2.8	271	40	5.1	0
12/12/2022 19:10	2.6	250	50	4.8	0
12/12/2022 19:20	2.3	265	52	5	0
12/12/2022 19:30	3	259	37	5.8	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/12/2022 19:40	3.1	263	32	5.2	0
12/12/2022 19:50	2.9	263	32	5.4	0
12/12/2022 20:00	3.5	262	31	5.7	0
12/12/2022 20:10	2.6	267	35	5	0
12/12/2022 20:20	2.4	254	38	4.8	0
12/12/2022 20:30	2.9	269	28	5.2	0
12/12/2022 20:40	2.9	261	42	5.1	0
12/12/2022 20:50	2.4	262	56	5.5	0
12/12/2022 21:00	2.6	250	45	4.8	0
12/12/2022 21:10	3.7	264	30	6.6	0
12/12/2022 21:20	3	255	46	6.7	0
12/12/2022 21:30	3.1	267	37	5.6	0
12/12/2022 21:40	3	258	36	5.9	0
12/12/2022 21:50	3.6	263	27	6	0
12/12/2022 22:00	3	266	36	5.3	0
12/12/2022 22:10	3.2	270	32	5.5	0
12/12/2022 22:20	2.6	267	31	4.1	0
12/12/2022 22:30	2.9	264	31	4.9	0
12/12/2022 22:40	2.5	265	47	4.6	0
12/12/2022 22:50	2.5	263	42	5	0
12/12/2022 23:00	2.5	270	32	4.8	0
12/12/2022 23:10	2.7	264	48	5.1	0
12/12/2022 23:20	2.4	268	38	5	0
12/12/2022 23:30	1.6	248	77	3.8	0
12/12/2022 23:40	2.4	265	48	4.9	0
12/12/2022 23:50	2.6	257	39	4.8	0
13/12/2022 00:00	2.4	258	40	4.6	0
13/12/2022 00:10	2.3	266	44	4.4	0
13/12/2022 00:20	1.9	261	55	3.6	0
13/12/2022 00:30	2.1	262	39	4.2	0
13/12/2022 00:40	2	276	45	4.3	0
13/12/2022 00:50	1.4	245	71	3.2	0
13/12/2022 01:00	2.1	260	41	4.9	0
13/12/2022 01:10	2.7	264	30	4.5	0
13/12/2022 01:20	1.9	258	46	3.3	0
13/12/2022 01:30	1.8	269	57	3.9	0
13/12/2022 01:40	1.3	254	84	2.5	0
13/12/2022 01:50	1.4	277	70	2.6	0
13/12/2022 02:00	1.6	261	51	3.1	0
13/12/2022 02:10	1.6	274	44	3.2	0
13/12/2022 02:20	1.2	244	81	2.8	0
13/12/2022 02:30	1.3	274	58	3	0
13/12/2022 02:40	1.4	218	56	2.8	0
13/12/2022 02:50	1.2	232	49	2.2	0
13/12/2022 03:00	1.4	262	37	2.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/12/2022 03:10	1.4	185	35	2.2	0
13/12/2022 03:20	1.4	218	51	2.2	0
13/12/2022 03:30	1.4	200	44	2.7	0
13/12/2022 03:40	1.2	221	47	2.1	0
13/12/2022 03:50	1.2	247	49	2.4	0
13/12/2022 04:00	1.3	227	43	2.5	0
13/12/2022 04:10	1.4	273	29	2	0
13/12/2022 04:20	1.9	273	25	2.8	0
13/12/2022 04:30	1.6	274	17	2.2	0
13/12/2022 04:40	1.1	319	39	2	0
13/12/2022 04:50	1.3	288	13	1.9	0
13/12/2022 05:00	2.2	292	8	2.8	0
13/12/2022 05:10	2.3	289	9	2.8	0
13/12/2022 05:20	1.9	271	14	2.7	0
13/12/2022 05:30	1.3	259	39	2	0
13/12/2022 05:40	2	280	12	2.7	0
13/12/2022 05:50	1.9	256	23	2.8	0
13/12/2022 06:00	0.9	289	71	1.9	0
13/12/2022 06:10	1.4	267	33	2.5	0
13/12/2022 06:20	1.3	269	31	2.2	0
13/12/2022 06:30	2.4	254	18	3.7	0
13/12/2022 06:40	1.8	239	24	3.1	0
13/12/2022 06:50	2.5	260	12	3.9	0
13/12/2022 07:00	2.8	259	11	3.7	0
13/12/2022 07:10	2.5	265	14	3.7	0
13/12/2022 07:20	2.4	266	19	3.6	0
13/12/2022 07:30	2.3	273	16	3.3	0
13/12/2022 07:40	2.9	275	15	4.2	0
13/12/2022 07:50	3	272	15	4	0
13/12/2022 08:00	2.8	270	17	4	0
13/12/2022 08:10	2.5	274	16	3.8	0
13/12/2022 08:20	2.5	270	25	4.1	0
13/12/2022 08:30	2.1	233	26	3.8	0
13/12/2022 08:40	2.4	226	34	3.6	0
13/12/2022 08:50	2.3	234	34	4.4	0
13/12/2022 09:00	2.6	262	25	4.3	0
13/12/2022 09:10	2.1	251	36	3.4	0
13/12/2022 09:20	2.4	268	26	3.8	0
13/12/2022 09:30	3.3	292	19	5.2	0
13/12/2022 09:40	3.8	284	17	5	0
13/12/2022 09:50	3.7	276	17	5	0
13/12/2022 10:00	3.6	283	16	5.6	0
13/12/2022 10:10	3.8	289	19	5.5	0
13/12/2022 10:20	4	273	17	5.6	0
13/12/2022 10:30	3.5	279	21	5	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/12/2022 10:40	3.4	279	21	5.4	0
13/12/2022 10:50	3.6	283	20	5.6	0
13/12/2022 11:00	3.4	292	23	5.6	0
13/12/2022 11:10	3.4	284	18	5.1	0
13/12/2022 11:20	3.2	281	19	4.8	0
13/12/2022 11:30	3.2	281	22	4.3	0
13/12/2022 11:40	2.8	272	24	3.9	0
13/12/2022 11:50	2.2	147	45	3.6	0
13/12/2022 12:00	2.7	284	24	4.2	0
13/12/2022 12:10	3.6	277	20	5.4	0
13/12/2022 12:20	3.3	261	17	4.8	0
13/12/2022 12:30	3.3	245	31	5.2	0
13/12/2022 12:40	3.1	259	22	4.8	0
13/12/2022 12:50	3.5	261	19	5	0
13/12/2022 13:00	3.4	270	21	4.8	0
13/12/2022 13:10	3.5	258	22	5.2	0
13/12/2022 13:20	4	273	18	5.9	0
13/12/2022 13:30	3.7	271	18	5.4	0
13/12/2022 13:40	3.5	276	24	4.8	0
13/12/2022 13:50	3.7	277	20	5.3	0
13/12/2022 14:00	4	275	19	5.5	0
13/12/2022 14:10	4	279	19	5.6	0
13/12/2022 14:20	3.7	269	17	5.9	0
13/12/2022 14:30	3.5	267	18	5.2	0
13/12/2022 14:40	4	264	23	6.4	0
13/12/2022 14:50	3.8	270	20	5.6	0
13/12/2022 15:00	4.2	271	20	6.4	0
13/12/2022 15:10	4.1	269	17	6.2	0
13/12/2022 15:20	3.8	272	17	6	0
13/12/2022 15:30	3.8	272	20	5.2	0
13/12/2022 15:40	3.6	271	21	5.6	0
13/12/2022 15:50	3.6	277	20	5.6	0
13/12/2022 16:00	4	273	22	5.7	0
13/12/2022 16:10	4	298	23	6	0
13/12/2022 16:20	4.1	278	24	6.7	0
13/12/2022 16:30	3.6	267	24	5.2	0
13/12/2022 16:40	4	275	21	6	0
13/12/2022 16:50	4.1	277	22	6.7	0
13/12/2022 17:00	3.5	273	25	5.9	0
13/12/2022 17:10	4.3	266	28	6.6	0
13/12/2022 17:20	4.7	261	28	7.8	0
13/12/2022 17:30	3.7	269	35	7.2	0
13/12/2022 17:40	4	268	23	6.6	0
13/12/2022 17:50	4	269	21	6.2	0
13/12/2022 18:00	4	274	21	6.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/12/2022 18:10	4.1	275	17	6.4	0
13/12/2022 18:20	4.3	277	17	6.3	0
13/12/2022 18:30	4.1	280	17	6.1	0
13/12/2022 18:40	3.8	277	20	5.7	0
13/12/2022 18:50	4.2	269	21	6.3	0
13/12/2022 19:00	3.7	266	24	5.6	0
13/12/2022 19:10	3.4	275	22	5.9	0
13/12/2022 19:20	3.4	272	22	4.8	0
13/12/2022 19:30	3.1	274	26	4.8	0
13/12/2022 19:40	3.1	276	24	5.3	0
13/12/2022 19:50	3.3	274	20	5.2	0
13/12/2022 20:00	3.1	270	28	5.3	0
13/12/2022 20:10	3.5	280	17	5.4	0
13/12/2022 20:20	2.5	262	31	4.5	0
13/12/2022 20:30	3	264	33	5.2	0
13/12/2022 20:40	2.8	264	42	4.8	0
13/12/2022 20:50	2.3	261	46	4	0
13/12/2022 21:00	1.8	272	53	3.7	0
13/12/2022 21:10	2.9	263	28	5.2	0
13/12/2022 21:20	2.1	246	54	4	0
13/12/2022 21:30	2.1	262	43	3.6	0
13/12/2022 21:40	2.5	268	37	4.6	0
13/12/2022 21:50	2.6	269	29	4.4	0
13/12/2022 22:00	2.9	272	32	5	0
13/12/2022 22:10	2.3	272	34	3.4	0
13/12/2022 22:20	2.2	277	22	4.4	0
13/12/2022 22:30	2.7	270	24	4.4	0
13/12/2022 22:40	2	259	38	4	0
13/12/2022 22:50	2.6	261	29	4.3	0
13/12/2022 23:00	2.8	265	30	4.9	0
13/12/2022 23:10	2.4	251	46	5.8	0
13/12/2022 23:20	2.4	249	46	4.8	0
13/12/2022 23:30	2.1	206	55	4.6	0
13/12/2022 23:40	2.2	223	54	4.2	0
13/12/2022 23:50	2.4	221	49	4.9	0
14/12/2022 00:00	2.1	213	48	4.1	0
14/12/2022 00:10	1.9	233	62	3.9	0
14/12/2022 00:20	2	258	53	4	0
14/12/2022 00:30	2	251	51	3.6	0
14/12/2022 00:40	1.6	257	59	3.6	0
14/12/2022 00:50	1.3	256	64	2.5	0
14/12/2022 01:00	1.2	261	64	2.7	0
14/12/2022 01:10	1.7	267	40	3.2	0
14/12/2022 01:20	1.4	266	50	2.8	0
14/12/2022 01:30	1.9	276	26	3.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/12/2022 01:40	1.8	276	31	3	0
14/12/2022 01:50	1.6	278	34	2.8	0
14/12/2022 02:00	1.2	261	72	2.6	0
14/12/2022 02:10	1.8	279	31	3.1	0
14/12/2022 02:20	1.9	281	26	3.4	0
14/12/2022 02:30	1.9	289	24	2.8	0
14/12/2022 02:40	2.7	285	12	3.6	0
14/12/2022 02:50	2.1	276	26	3.2	0
14/12/2022 03:00	1.5	272	53	2.5	0
14/12/2022 03:10	1.5	266	48	2.4	0
14/12/2022 03:20	1.2	318	71	2.1	0
14/12/2022 03:30	1.1	246	63	2	0
14/12/2022 03:40	0.9	77	86	1.6	0
14/12/2022 03:50	0.5	117	55	1.4	0
14/12/2022 04:00	0.9	261	73	2.1	0
14/12/2022 04:10	1.2	246	62	2	0
14/12/2022 04:20	2.1	291	15	2.7	0
14/12/2022 04:30	1.3	315	19	2.1	0
14/12/2022 04:40	1.8	279	13	2.5	0
14/12/2022 04:50	1.7	299	16	2.6	0
14/12/2022 05:00	1.9	313	12	2.4	0
14/12/2022 05:10	2.1	262	10	2.8	0
14/12/2022 05:20	1.4	303	29	2.1	0
14/12/2022 05:30	2.1	328	14	2.6	0
14/12/2022 05:40	1.4	289	16	2	0
14/12/2022 05:50	2.2	270	7	2.7	0
14/12/2022 06:00	1.7	287	11	2.2	0
14/12/2022 06:10	1.9	281	10	2.4	0
14/12/2022 06:20	1.7	286	10	2.3	0
14/12/2022 06:30	1.8	296	19	2.5	0
14/12/2022 06:40	1.6	254	22	2.6	0
14/12/2022 06:50	1.9	265	20	2.9	0
14/12/2022 07:00	2	199	37	2.5	0
14/12/2022 07:10	2.4	111	23	3.8	0
14/12/2022 07:20	3.1	109	14	4.4	0
14/12/2022 07:30	2	120	24	3	0
14/12/2022 07:40	2	132	23	3.2	0
14/12/2022 07:50	2.2	97	23	3.2	0
14/12/2022 08:00	2.4	95	15	3.3	0
14/12/2022 08:10	2.2	83	17	3.2	0
14/12/2022 08:20	2.1	64	18	2.9	0
14/12/2022 08:30	1.8	55	24	2.7	0
14/12/2022 08:40	2.2	45	17	3	0
14/12/2022 08:50	2.2	55	18	2.9	0
14/12/2022 09:00	2.3	56	14	3.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/12/2022 09:10	2.8	50	15	3.7	0
14/12/2022 09:20	3.2	65	14	4.2	0
14/12/2022 09:30	3.2	57	14	4.3	0
14/12/2022 09:40	3.5	63	11	4.4	0
14/12/2022 09:50	3.5	60	13	4.6	0
14/12/2022 10:00	3.5	58	15	4.4	0
14/12/2022 10:10	3.6	57	13	4.5	0
14/12/2022 10:20	3.8	60	10	4.8	0
14/12/2022 10:30	3.8	57	15	5.3	0
14/12/2022 10:40	4.2	54	14	5.7	0
14/12/2022 10:50	3.9	55	15	4.9	0
14/12/2022 11:00	3.9	62	10	4.8	0
14/12/2022 11:10	4.2	61	10	5.3	0
14/12/2022 11:20	3.9	61	15	4.9	0
14/12/2022 11:30	3.7	54	13	4.8	0
14/12/2022 11:40	3.5	51	14	4.6	0
14/12/2022 11:50	3.3	51	14	4.5	0
14/12/2022 12:00	3.2	60	17	4.3	0
14/12/2022 12:10	3.3	60	14	4.3	0
14/12/2022 12:20	3.6	53	14	4.4	0
14/12/2022 12:30	3.5	53	14	4.5	0
14/12/2022 12:40	3.5	44	14	4.6	0
14/12/2022 12:50	3.9	47	16	5	0
14/12/2022 13:00	3.9	49	15	5.2	0
14/12/2022 13:10	4.1	47	13	5.2	0
14/12/2022 13:20	4.4	41	14	5.7	0
14/12/2022 13:30	4.7	42	13	6.4	0
14/12/2022 13:40	4.8	45	14	6.6	0
14/12/2022 13:50	4.8	50	12	6.1	0
14/12/2022 14:00	4.5	49	13	6	0
14/12/2022 14:10	4.7	59	11	5.9	0
14/12/2022 14:20	4.6	61	12	5.9	0
14/12/2022 14:30	4.3	50	13	5.9	0
14/12/2022 14:40	4.2	51	13	5.7	0
14/12/2022 14:50	4.3	47	13	6.1	0
14/12/2022 15:00	4.5	50	13	5.8	0
14/12/2022 15:10	4.5	44	13	5.9	0
14/12/2022 15:20	4.5	49	11	6.1	0
14/12/2022 15:30	4.6	47	14	6.1	0
14/12/2022 15:40	4.2	185	18	5.9	0
14/12/2022 15:50	4.5	333	15	6.1	0
14/12/2022 16:00	4.7	341	14	6.5	0
14/12/2022 16:10	4.6	339	12	6.4	0
14/12/2022 16:20	4.7	332	14	6.4	0
14/12/2022 16:30	4.5	328	16	6.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/12/2022 16:40	4.3	327	15	6	0
14/12/2022 16:50	4	322	20	6	0
14/12/2022 17:00	4.2	322	15	5.7	0
14/12/2022 17:10	3.9	325	13	5.8	0
14/12/2022 17:20	4.2	313	16	6.4	0
14/12/2022 17:30	3.8	314	19	5.3	0
14/12/2022 17:40	3.3	307	19	4.8	0
14/12/2022 17:50	3.4	316	20	5.5	0
14/12/2022 18:00	3.6	309	20	6	0
14/12/2022 18:10	3.1	300	25	5.2	0
14/12/2022 18:20	3.9	302	19	5.9	0
14/12/2022 18:30	3.1	293	20	4.6	0
14/12/2022 18:40	3.4	298	25	5.3	0
14/12/2022 18:50	3.6	302	18	5.5	0
14/12/2022 19:00	3.1	276	21	4.8	0
14/12/2022 19:10	3.1	273	18	5.3	0
14/12/2022 19:20	2.8	273	27	4.4	0
14/12/2022 19:30	2.6	278	33	4.5	0
14/12/2022 19:40	3.1	274	24	4.5	0
14/12/2022 19:50	2.9	273	28	4.6	0
14/12/2022 20:00	3.5	269	24	5.6	0
14/12/2022 20:10	3.5	269	19	5.6	0
14/12/2022 20:20	3.3	271	24	5.2	0
14/12/2022 20:30	2.9	266	30	4.6	0
14/12/2022 20:40	2.7	275	22	4.5	0
14/12/2022 20:50	3.1	274	24	5.4	0
14/12/2022 21:00	2.7	268	29	4.3	0
14/12/2022 21:10	2.8	272	22	4.5	0
14/12/2022 21:20	2.7	267	37	4.8	0
14/12/2022 21:30	3.1	275	20	5.3	0
14/12/2022 21:40	3.3	270	19	5.4	0
14/12/2022 21:50	3.5	272	19	5.9	0
14/12/2022 22:00	3	268	33	5.2	0
14/12/2022 22:10	2.6	276	30	4.4	0
14/12/2022 22:20	2.8	267	36	5.6	0
14/12/2022 22:30	2.8	264	33	5.3	0
14/12/2022 22:40	3.1	271	28	5.1	0
14/12/2022 22:50	2.6	263	38	4.5	0
14/12/2022 23:00	2.4	274	43	4.3	0
14/12/2022 23:10	3.4	275	25	5.2	0
14/12/2022 23:20	3	273	35	5.1	0
14/12/2022 23:30	2.8	268	38	5.2	0
14/12/2022 23:40	2.5	273	33	4.9	0
14/12/2022 23:50	2.5	269	28	4.4	0
15/12/2022 00:00	2.7	267	29	4.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/12/2022 00:10	2.8	274	25	4.5	0
15/12/2022 00:20	2.5	274	25	5	0
15/12/2022 00:30	2.9	274	22	5.6	0
15/12/2022 00:40	2.4	273	34	4.2	0
15/12/2022 00:50	2.2	265	48	4.2	0
15/12/2022 01:00	2.3	266	33	4.1	0
15/12/2022 01:10	2.6	265	32	4.8	0
15/12/2022 01:20	1.7	250	67	3.7	0
15/12/2022 01:30	2.6	258	50	5.3	0
15/12/2022 01:40	2.2	238	60	4.4	0
15/12/2022 01:50	1.9	210	77	3.8	0
15/12/2022 02:00	1.9	217	78	4.5	0
15/12/2022 02:10	1.7	200	64	3.6	0
15/12/2022 02:20	2.9	242	36	5.1	0
15/12/2022 02:30	2.4	257	43	4.7	0
15/12/2022 02:40	1.7	250	82	3.7	0
15/12/2022 02:50	2.6	243	36	4.8	0
15/12/2022 03:00	2.4	253	41	5.3	0
15/12/2022 03:10	1.8	225	60	4.4	0
15/12/2022 03:20	1.8	260	49	3.5	0
15/12/2022 03:30	1.5	238	66	3.1	0
15/12/2022 03:40	1.2	204	66	2.2	0
15/12/2022 03:50	1.2	282	55	2.4	0
15/12/2022 04:00	1.1	235	63	2.4	0
15/12/2022 04:10	1.1	144	66	2.5	0
15/12/2022 04:20	1.9	287	23	3.5	0
15/12/2022 04:30	1.3	299	73	3.5	0
15/12/2022 04:40	1.2	257	71	2.4	0
15/12/2022 04:50	1.4	217	66	2.8	0
15/12/2022 05:00	1.4	245	63	2.6	0
15/12/2022 05:10	1.4	255	51	3.7	0
15/12/2022 05:20	1.5	234	70	2.8	0
15/12/2022 05:30	1.3	175	61	2.4	0
15/12/2022 05:40	1.2	247	65	2.4	0
15/12/2022 05:50	1.6	265	50	3.7	0
15/12/2022 06:00	1.1	255	59	2.1	0
15/12/2022 06:10	1.9	271	32	3.8	0
15/12/2022 06:20	2.2	271	22	4	0
15/12/2022 06:30	1.6	280	44	2.9	0
15/12/2022 06:40	1.5	270	41	2.9	0
15/12/2022 06:50	2.1	268	34	4.2	0
15/12/2022 07:00	1.7	267	37	3.2	0
15/12/2022 07:10	1.7	263	43	2.8	0
15/12/2022 07:20	1.8	254	33	3.2	0
15/12/2022 07:30	1.9	263	35	3.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/12/2022 07:40	1.7	260	39	3.4	0
15/12/2022 07:50	2.1	279	25	4	0
15/12/2022 08:00	2.6	272	23	4.2	0
15/12/2022 08:10	2	276	43	4.1	0
15/12/2022 08:20	2.8	277	16	4.4	0
15/12/2022 08:30	2.8	278	20	4.3	0
15/12/2022 08:40	3	278	21	4.6	0
15/12/2022 08:50	3	282	18	4.4	0
15/12/2022 09:00	3.1	274	21	4.7	0
15/12/2022 09:10	3.3	267	20	5	0
15/12/2022 09:20	3.7	274	18	5.2	0
15/12/2022 09:30	3.3	276	21	5.1	0
15/12/2022 09:40	3.6	277	20	5.6	0
15/12/2022 09:50	3.7	284	20	5.6	0
15/12/2022 10:00	3.6	273	18	4.9	0
15/12/2022 10:10	4.1	274	17	6.2	0
15/12/2022 10:20	4.2	272	17	6.1	0
15/12/2022 10:30	4.2	276	17	6.4	0
15/12/2022 10:40	3.9	283	26	6.4	0
15/12/2022 10:50	4	279	21	6	0
15/12/2022 11:00	4.3	278	20	6	0
15/12/2022 11:10	4.4	277	20	6.4	0
15/12/2022 11:20	4.7	282	18	6.5	0
15/12/2022 11:30	4.6	279	20	6.4	0
15/12/2022 11:40	4.2	283	25	6.4	0
15/12/2022 11:50	4.1	281	20	6	0
15/12/2022 12:00	4.3	280	19	6.5	0
15/12/2022 12:10	4.1	286	21	6.5	0
15/12/2022 12:20	4.4	292	24	6.7	0
15/12/2022 12:30	4.5	298	22	6.8	0
15/12/2022 12:40	4.3	296	21	7.2	0
15/12/2022 12:50	3.9	289	23	6	0
15/12/2022 13:00	3.8	290	23	6.2	0
15/12/2022 13:10	3.7	280	23	6	0
15/12/2022 13:20	3.9	285	24	6	0
15/12/2022 13:30	4.4	272	20	6.3	0
15/12/2022 13:40	4.8	272	19	7.1	0
15/12/2022 13:50	4.4	275	20	6.7	0
15/12/2022 14:00	5	276	17	7.8	0
15/12/2022 14:10	4.1	277	26	6.8	0
15/12/2022 14:20	4.6	277	20	6.6	0
15/12/2022 14:30	4.6	274	18	6.7	0
15/12/2022 14:40	4.2	278	18	6.3	0
15/12/2022 14:50	4.6	281	21	7.6	0
15/12/2022 15:00	4.6	283	21	6.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/12/2022 15:10	4.7	279	20	7.8	0
15/12/2022 15:20	4.9	285	22	8	0
15/12/2022 15:30	5.2	278	22	7.9	0
15/12/2022 15:40	5	278	22	7.6	0
15/12/2022 15:50	4.6	276	19	7.9	0
15/12/2022 16:00	5.3	275	20	7.9	0
15/12/2022 16:10	4.7	278	24	7.5	0
15/12/2022 16:20	4.7	272	25	7.7	0
15/12/2022 16:30	3.7	269	34	6.7	0
15/12/2022 16:40	4.9	266	31	8.3	0
15/12/2022 16:50	5.5	271	20	8.3	0
15/12/2022 17:00	5	271	18	7.7	0
15/12/2022 17:10	5.2	273	21	8.1	0
15/12/2022 17:20	4.6	275	24	7.5	0
15/12/2022 17:30	5.2	277	17	7.9	0
15/12/2022 17:40	5.1	271	25	7.8	0
15/12/2022 17:50	5	274	20	7.4	0
15/12/2022 18:00	4.6	277	23	7.9	0
15/12/2022 18:10	4.7	271	22	7.2	0
15/12/2022 18:20	3.6	269	35	7.2	0
15/12/2022 18:30	4.1	268	32	8.1	0
15/12/2022 18:40	3.9	278	21	7	0
15/12/2022 18:50	4.1	264	29	6.5	0
15/12/2022 19:00	3.2	261	43	6	0
15/12/2022 19:10	3.7	262	35	6.9	0
15/12/2022 19:20	3.1	266	44	5.3	0
15/12/2022 19:30	3.3	250	32	6.8	0
15/12/2022 19:40	3	262	42	5.2	0
15/12/2022 19:50	2.9	249	44	5.8	0
15/12/2022 20:00	3	245	64	6.4	0
15/12/2022 20:10	2.8	238	46	5.1	0
15/12/2022 20:20	2.7	261	52	6	0
15/12/2022 20:30	2.8	252	40	6.2	0
15/12/2022 20:40	2.5	236	45	5.6	0
15/12/2022 20:50	2.4	248	56	4.8	0
15/12/2022 21:00	2.9	248	41	6.2	0
15/12/2022 21:10	2.5	245	58	4.8	0
15/12/2022 21:20	2.1	231	60	4.8	0
15/12/2022 21:30	2.3	245	52	5.7	0
15/12/2022 21:40	2.1	237	64	5.5	0
15/12/2022 21:50	2.7	240	50	5.7	0
15/12/2022 22:00	3	254	33	5.7	0
15/12/2022 22:10	3.1	257	34	5.3	0
15/12/2022 22:20	2.9	255	31	5	0
15/12/2022 22:30	3.2	250	38	5.3	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/12/2022 22:40	3	249	45	5.7	0
15/12/2022 22:50	2.7	243	47	5.6	0
15/12/2022 23:00	2.6	257	39	4.8	0
15/12/2022 23:10	2.6	247	53	5.2	0
15/12/2022 23:20	2.2	243	57	4	0
15/12/2022 23:30	2.4	233	49	4.4	0
15/12/2022 23:40	2.6	242	45	4.8	0
15/12/2022 23:50	2.6	228	51	5.3	0
16/12/2022 00:00	2.4	252	47	4.8	0
16/12/2022 00:10	2.5	239	43	5.1	0
16/12/2022 00:20	2.4	250	45	4.2	0
16/12/2022 00:30	1.9	237	66	3.9	0
16/12/2022 00:40	2.1	226	55	3.6	0
16/12/2022 00:50	2.2	227	68	4.5	0
16/12/2022 01:00	2.3	234	52	5.7	0
16/12/2022 01:10	2.5	265	46	5	0
16/12/2022 01:20	2.1	248	63	5.3	0
16/12/2022 01:30	2.4	253	54	5.6	0
16/12/2022 01:40	2.4	259	40	4.5	0
16/12/2022 01:50	2.1	258	45	4.2	0
16/12/2022 02:00	2.1	261	53	4.1	0
16/12/2022 02:10	2	262	53	4	0
16/12/2022 02:20	2.1	262	41	3.7	0
16/12/2022 02:30	2.2	260	42	4.6	0
16/12/2022 02:40	2.1	256	57	3.9	0
16/12/2022 02:50	2.9	264	24	5.2	0
16/12/2022 03:00	2.8	272	23	4.9	0
16/12/2022 03:10	2.8	265	27	4.8	0
16/12/2022 03:20	2.9	267	25	4.6	0
16/12/2022 03:30	2.5	262	27	3.6	0
16/12/2022 03:40	2.5	267	33	4.9	0
16/12/2022 03:50	1.8	227	55	3.6	0
16/12/2022 04:00	2.1	244	44	4	0
16/12/2022 04:10	2.6	263	27	5.1	0
16/12/2022 04:20	2.5	272	22	3.5	0
16/12/2022 04:30	2.6	269	25	4.4	0
16/12/2022 04:40	2.4	250	56	4.8	0
16/12/2022 04:50	2.3	249	46	4	0
16/12/2022 05:00	2.2	258	44	4.4	0
16/12/2022 05:10	2	242	51	3.6	0
16/12/2022 05:20	2.4	255	40	4.4	0
16/12/2022 05:30	1.7	239	66	4	0
16/12/2022 05:40	2.4	255	41	4.2	0
16/12/2022 05:50	2.4	252	38	4.4	0
16/12/2022 06:00	2	248	43	4.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/12/2022 06:10	2.4	252	32	4.1	0
16/12/2022 06:20	2	244	50	4	0
16/12/2022 06:30	2.6	256	37	4.4	0
16/12/2022 06:40	2.5	252	32	4.9	0
16/12/2022 06:50	2.6	254	37	4.4	0
16/12/2022 07:00	2.5	260	35	4.7	0
16/12/2022 07:10	2.2	263	37	4.2	0
16/12/2022 07:20	2.3	265	34	4.5	0
16/12/2022 07:30	2.5	254	32	4.4	0
16/12/2022 07:40	1.9	223	49	4	0
16/12/2022 07:50	2.4	256	31	4.7	0
16/12/2022 08:00	2.3	252	43	4.4	0
16/12/2022 08:10	2.4	263	30	3.9	0
16/12/2022 08:20	2.6	262	29	4.2	0
16/12/2022 08:30	2.7	264	30	4.5	0
16/12/2022 08:40	2.5	260	27	4.3	0
16/12/2022 08:50	3.5	282	31	5.7	0
16/12/2022 09:00	3.9	291	28	6.3	0
16/12/2022 09:10	3.8	279	26	5.8	0
16/12/2022 09:20	3.9	281	20	6.3	0
16/12/2022 09:30	3.8	280	31	6.1	0
16/12/2022 09:40	4.5	291	24	7.3	0
16/12/2022 09:50	4.8	277	21	7.5	0
16/12/2022 10:00	4	276	24	6.8	0
16/12/2022 10:10	4.3	280	23	6.7	0
16/12/2022 10:20	4.4	277	22	6.5	0
16/12/2022 10:30	4.1	282	21	6.4	0
16/12/2022 10:40	4.7	285	23	7.2	0
16/12/2022 10:50	4.7	277	21	7.7	0
16/12/2022 11:00	4.7	286	21	7.2	0
16/12/2022 11:10	4.5	285	24	6.9	0
16/12/2022 11:20	4.5	290	25	7.5	0
16/12/2022 11:30	4.6	282	24	7	0
16/12/2022 11:40	4.8	282	21	7.4	0
16/12/2022 11:50	4.6	281	21	7.5	0
16/12/2022 12:00	4.8	289	21	7.3	0
16/12/2022 12:10	4.8	275	19	7.5	0
16/12/2022 12:20	4.8	272	18	7.7	0
16/12/2022 12:30	5	272	18	7.3	0
16/12/2022 12:40	4.2	267	27	6.6	0
16/12/2022 12:50	3.8	262	36	6.5	0
16/12/2022 13:00	4.9	271	22	7.4	0
16/12/2022 13:10	4.1	269	31	6.4	0
16/12/2022 13:20	4.9	275	22	8.2	0
16/12/2022 13:30	5.3	258	23	7.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/12/2022 13:40	5.6	270	21	8.3	0
16/12/2022 13:50	5.2	279	19	7.9	0
16/12/2022 14:00	5.3	279	20	8.3	0
16/12/2022 14:10	4.3	265	39	8.5	0
16/12/2022 14:20	5	267	33	9.9	0
16/12/2022 14:30	5.7	269	20	8.8	0
16/12/2022 14:40	5.5	275	22	9.1	0
16/12/2022 14:50	5.7	265	23	8.7	0
16/12/2022 15:00	5.1	268	22	8.5	0
16/12/2022 15:10	4.3	262	33	8.2	0
16/12/2022 15:20	4.5	264	31	7.8	0
16/12/2022 15:30	4.7	258	36	8.2	0
16/12/2022 15:40	5.2	267	27	9.8	0
16/12/2022 15:50	5.6	269	24	9.5	0
16/12/2022 16:00	5	269	35	8	0
16/12/2022 16:10	5.7	270	26	9	0
16/12/2022 16:20	5.9	265	30	10.3	0
16/12/2022 16:30	5	269	30	9.9	0
16/12/2022 16:40	5.8	270	23	8.7	0
16/12/2022 16:50	5.9	268	22	8.9	0
16/12/2022 17:00	5.6	271	22	8.7	0
16/12/2022 17:10	5.8	275	22	8.6	0
16/12/2022 17:20	5.8	269	19	9	0
16/12/2022 17:30	5	275	23	8.1	0
16/12/2022 17:40	5.5	276	19	8.3	0
16/12/2022 17:50	5.1	275	23	7.9	0
16/12/2022 18:00	5.2	269	26	9.1	0
16/12/2022 18:10	5.5	268	22	8.4	0
16/12/2022 18:20	5.3	271	23	8.4	0
16/12/2022 18:30	4.8	273	19	7.4	0
16/12/2022 18:40	4.7	274	25	7.9	0
16/12/2022 18:50	5.3	265	25	8.2	0
16/12/2022 19:00	5	263	24	8.6	0
16/12/2022 19:10	5.6	267	24	9.4	0
16/12/2022 19:20	4.9	266	25	8.9	0
16/12/2022 19:30	4.9	266	26	7.9	0
16/12/2022 19:40	4.5	272	26	7.9	0
16/12/2022 19:50	4.9	271	22	7.5	0
16/12/2022 20:00	5.3	265	33	8.3	0
16/12/2022 20:10	5.1	269	29	8.8	0
16/12/2022 20:20	4.6	270	32	8.7	0
16/12/2022 20:30	5.2	264	27	8.7	0
16/12/2022 20:40	4.5	270	25	7.1	0
16/12/2022 20:50	4.5	270	28	7.9	0
16/12/2022 21:00	4.4	267	35	8.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/12/2022 21:10	4.3	270	32	8	0
16/12/2022 21:20	4.2	264	39	8.2	0
16/12/2022 21:30	4.5	269	41	9.2	0
16/12/2022 21:40	3.5	261	46	7.5	0
16/12/2022 21:50	4.5	264	37	8.8	0
16/12/2022 22:00	4.4	270	37	7.8	0
16/12/2022 22:10	4.3	269	38	7.9	0
16/12/2022 22:20	3.6	250	47	7.6	0
16/12/2022 22:30	3.3	261	53	6.8	0
16/12/2022 22:40	3.3	254	56	6.3	0
16/12/2022 22:50	3	256	53	6.8	0
16/12/2022 23:00	3	262	54	6.8	0
16/12/2022 23:10	3.9	265	38	7.5	0
16/12/2022 23:20	3.4	260	51	7.1	0
16/12/2022 23:30	3.2	264	50	6.5	0
16/12/2022 23:40	3.3	261	57	6	0
16/12/2022 23:50	3.3	251	49	6.8	0
17/12/2022 00:00	3.2	257	55	6.2	0
17/12/2022 00:10	4	271	32	8.1	0
17/12/2022 00:20	3.6	270	38	6.9	0
17/12/2022 00:30	2.9	243	72	6.3	0
17/12/2022 00:40	3.2	273	46	6.8	0
17/12/2022 00:50	3.1	254	58	6.5	0
17/12/2022 01:00	3.5	269	47	7.7	0
17/12/2022 01:10	3.5	250	43	6.8	0
17/12/2022 01:20	3	253	53	6	0
17/12/2022 01:30	2.9	247	61	6.4	0
17/12/2022 01:40	3.3	242	52	6.9	0
17/12/2022 01:50	3.3	254	46	6.6	0
17/12/2022 02:00	3.3	268	44	7.2	0
17/12/2022 02:10	3.2	264	52	7.4	0
17/12/2022 02:20	2.9	262	49	5.2	0
17/12/2022 02:30	3.5	268	54	7	0
17/12/2022 02:40	3.3	261	45	7.2	0
17/12/2022 02:50	3.2	259	53	6.8	0
17/12/2022 03:00	2.8	255	70	5.7	0
17/12/2022 03:10	2.8	244	66	5.5	0
17/12/2022 03:20	3.1	230	53	6.1	0
17/12/2022 03:30	2.7	244	54	5.7	0
17/12/2022 03:40	3.2	258	43	6.5	0
17/12/2022 03:50	2.7	231	44	5	0
17/12/2022 04:00	2.8	251	46	5.2	0
17/12/2022 04:10	2.9	230	47	5.9	0
17/12/2022 04:20	2.9	227	47	4.8	0
17/12/2022 04:30	2.7	229	61	6.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/12/2022 04:40	2.5	231	53	6.4	0
17/12/2022 04:50	2.2	224	65	4.1	0
17/12/2022 05:00	2	223	56	4.2	0
17/12/2022 05:10	2.2	230	60	4.8	0
17/12/2022 05:20	2.1	239	55	3.9	0
17/12/2022 05:30	2.1	256	50	4.1	0
17/12/2022 05:40	2.3	231	56	4.8	0
17/12/2022 05:50	2.5	243	47	4.8	0
17/12/2022 06:00	2	243	63	3.7	0
17/12/2022 06:10	2.3	232	49	4.8	0
17/12/2022 06:20	1.8	225	64	4.4	0
17/12/2022 06:30	2.3	202	46	4	0
17/12/2022 06:40	2.2	237	46	4.7	0
17/12/2022 06:50	2.7	205	41	4.4	0
17/12/2022 07:00	2.4	219	45	5.1	0
17/12/2022 07:10	2.3	206	53	5	0
17/12/2022 07:20	2.8	234	40	5.2	0
17/12/2022 07:30	2.8	224	41	5.4	0
17/12/2022 07:40	3.1	208	39	5.6	0
17/12/2022 07:50	3.6	207	28	6.8	0
17/12/2022 08:00	3.9	215	30	7.1	0
17/12/2022 08:10	3.3	209	36	5.6	0
17/12/2022 08:20	3.5	200	37	7.2	0
17/12/2022 08:30	3.6	209	33	6.3	0
17/12/2022 08:40	3.5	208	27	5.2	0
17/12/2022 08:50	4.1	208	23	6.6	0
17/12/2022 09:00	3.9	203	25	5.6	0
17/12/2022 09:10	3.7	203	23	5.6	0
17/12/2022 09:20	3.3	208	21	5.1	0
17/12/2022 09:30	3.4	199	21	4.9	0
17/12/2022 09:40	2.9	200	24	4.6	0
17/12/2022 09:50	2.2	201	35	4.4	0
17/12/2022 10:00	1.9	190	38	3.6	0
17/12/2022 10:10	1.6	81	64	3.2	0
17/12/2022 10:20	2.1	69	43	3.6	0
17/12/2022 10:30	1.7	110	31	2.8	0
17/12/2022 10:40	1.9	61	41	3.6	0
17/12/2022 10:50	1.5	31	72	2.7	0
17/12/2022 11:00	2	30	48	3.5	0
17/12/2022 11:10	2.1	22	40	3.2	0
17/12/2022 11:20	1.6	33	67	2.9	0
17/12/2022 11:30	2.1	44	28	3.7	0
17/12/2022 11:40	2.4	197	31	3.8	0
17/12/2022 11:50	3	259	38	4.7	0
17/12/2022 12:00	3	263	21	4.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/12/2022 12:10	2.2	293	33	4	0
17/12/2022 12:20	1.6	247	73	3.2	0
17/12/2022 12:30	2	301	45	3.6	0
17/12/2022 12:40	2.5	167	64	5.5	0
17/12/2022 12:50	2.3	306	72	5.6	0
17/12/2022 13:00	2.5	341	43	3.9	0
17/12/2022 13:10	3.5	332	27	5.8	0
17/12/2022 13:20	3.7	314	23	5.8	0
17/12/2022 13:30	3	308	23	5	0
17/12/2022 13:40	3.5	304	25	5.4	0
17/12/2022 13:50	4	291	21	6	0
17/12/2022 14:00	4.2	302	22	6.4	0
17/12/2022 14:10	4.1	296	23	6.1	0
17/12/2022 14:20	4.4	301	18	6.4	0
17/12/2022 14:30	4	275	20	6.2	0
17/12/2022 14:40	4.2	290	22	6.3	0
17/12/2022 14:50	4.7	299	22	6.8	0
17/12/2022 15:00	5.1	303	17	7.6	0
17/12/2022 15:10	4.3	287	23	6.7	0
17/12/2022 15:20	4.5	285	23	7.2	0
17/12/2022 15:30	4.6	289	23	7	0
17/12/2022 15:40	4.9	278	22	7.5	0
17/12/2022 15:50	4.7	276	26	7.5	0
17/12/2022 16:00	4.5	279	20	7	0
17/12/2022 16:10	4.8	279	22	6.8	0
17/12/2022 16:20	5.3	278	20	8.5	0
17/12/2022 16:30	4.9	288	26	8.4	0
17/12/2022 16:40	5.3	285	23	7.9	0
17/12/2022 16:50	5.5	296	21	9.5	0
17/12/2022 17:00	5.5	274	21	8	0
17/12/2022 17:10	5.4	267	22	8.1	0
17/12/2022 17:20	5	274	20	7.5	0
17/12/2022 17:30	5.1	265	22	7.3	0
17/12/2022 17:40	5.7	272	20	8.3	0
17/12/2022 17:50	5.3	271	23	8.5	0
17/12/2022 18:00	5	269	26	8.7	0
17/12/2022 18:10	4.6	273	25	7.7	0
17/12/2022 18:20	5	269	22	7.7	0
17/12/2022 18:30	5.3	266	21	7.7	0
17/12/2022 18:40	5.1	271	22	7.6	0
17/12/2022 18:50	4.9	272	21	7.9	0
17/12/2022 19:00	4.6	267	28	7.7	0
17/12/2022 19:10	4.6	268	22	8.2	0
17/12/2022 19:20	4.2	271	27	8.3	0
17/12/2022 19:30	4.3	276	28	7.5	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/12/2022 19:40	4.8	270	30	8.1	0
17/12/2022 19:50	5	269	18	6.7	0
17/12/2022 20:00	4.4	267	19	7	0
17/12/2022 20:10	4.6	272	28	7.2	0
17/12/2022 20:20	4.3	274	23	7.5	0
17/12/2022 20:30	4.5	269	24	7.2	0
17/12/2022 20:40	4.2	270	27	7.5	0
17/12/2022 20:50	4.5	269	22	7.4	0
17/12/2022 21:00	4.2	272	28	7.1	0
17/12/2022 21:10	4.9	276	21	7.4	0
17/12/2022 21:20	4.1	274	27	6.9	0
17/12/2022 21:30	4.3	270	25	6.8	0
17/12/2022 21:40	4	263	33	6.8	0
17/12/2022 21:50	3.5	267	38	6.5	0
17/12/2022 22:00	3.3	266	49	6.5	0
17/12/2022 22:10	2.8	267	45	5.1	0
17/12/2022 22:20	2.5	258	55	5.1	0
17/12/2022 22:30	2.7	249	54	5.7	0
17/12/2022 22:40	2.8	251	43	5.2	0
17/12/2022 22:50	3.1	262	35	5.7	0
17/12/2022 23:00	2.2	261	42	4.7	0
17/12/2022 23:10	2.5	250	47	5.6	0
17/12/2022 23:20	2.9	257	33	5.6	0
17/12/2022 23:30	2.2	260	51	5.3	0
17/12/2022 23:40	2.5	264	49	4.8	0
17/12/2022 23:50	2.6	238	50	5	0
18/12/2022 00:00	3	245	38	5.5	0
18/12/2022 00:10	2.3	240	55	4.1	0
18/12/2022 00:20	2.5	261	52	4.8	0
18/12/2022 00:30	2.8	274	42	6.3	0
18/12/2022 00:40	2.5	265	46	4.7	0
18/12/2022 00:50	2.8	273	44	5.2	0
18/12/2022 01:00	2.4	264	46	4.8	0
18/12/2022 01:10	2.9	262	37	5.2	0
18/12/2022 01:20	2.3	253	51	4.8	0
18/12/2022 01:30	2.4	260	43	4.8	0
18/12/2022 01:40	2.2	277	58	4.3	0
18/12/2022 01:50	3	275	34	5.2	0
18/12/2022 02:00	2.5	272	43	4.8	0
18/12/2022 02:10	2.4	259	47	4.4	0
18/12/2022 02:20	2.5	273	47	5.1	0
18/12/2022 02:30	3	275	24	5.1	0
18/12/2022 02:40	2.6	271	41	4.7	0
18/12/2022 02:50	2.6	267	36	5.1	0
18/12/2022 03:00	1.8	262	65	3.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/12/2022 03:10	2.3	271	43	4.1	0
18/12/2022 03:20	3	271	27	5.1	0
18/12/2022 03:30	3.1	272	25	4.9	0
18/12/2022 03:40	3.3	270	29	5.3	0
18/12/2022 03:50	3.1	269	25	5.6	0
18/12/2022 04:00	3.2	264	28	5.9	0
18/12/2022 04:10	3.1	266	29	4.8	0
18/12/2022 04:20	3.3	267	23	5.2	0
18/12/2022 04:30	2.9	265	30	5	0
18/12/2022 04:40	2.2	262	54	5.1	0
18/12/2022 04:50	2.3	261	51	5	0
18/12/2022 05:00	2.7	266	28	5.4	0
18/12/2022 05:10	2.4	268	41	4.1	0
18/12/2022 05:20	2.5	276	46	4.9	0
18/12/2022 05:30	2	242	68	4.4	0
18/12/2022 05:40	2	261	63	4.2	0
18/12/2022 05:50	1.6	260	57	3.1	0
18/12/2022 06:00	2.1	236	49	4	0
18/12/2022 06:10	2.3	242	52	5.2	0
18/12/2022 06:20	1.9	227	53	3.6	0
18/12/2022 06:30	2.6	259	44	4.4	0
18/12/2022 06:40	2.4	254	50	4.1	0
18/12/2022 06:50	2.4	258	32	4.5	0
18/12/2022 07:00	2.2	255	61	4.8	0
18/12/2022 07:10	3	274	28	5	0
18/12/2022 07:20	2.6	270	25	4.4	0
18/12/2022 07:30	2.6	266	28	5	0
18/12/2022 07:40	1.8	241	57	3.3	0
18/12/2022 07:50	2.6	263	27	5	0
18/12/2022 08:00	2.8	276	23	4.8	0
18/12/2022 08:10	3.3	291	24	5	0
18/12/2022 08:20	2.7	283	28	4.2	0
18/12/2022 08:30	3.2	283	26	5.3	0
18/12/2022 08:40	3.3	284	25	5	0
18/12/2022 08:50	3.3	289	25	5.3	0
18/12/2022 09:00	3.2	276	22	4.9	0
18/12/2022 09:10	2.9	295	29	4.1	0
18/12/2022 09:20	2.8	275	24	4.1	0
18/12/2022 09:30	2.9	289	26	4.5	0
18/12/2022 09:40	2.9	270	26	4.7	0
18/12/2022 09:50	2.7	269	25	4.8	0
18/12/2022 10:00	3.4	275	22	4.9	0
18/12/2022 10:10	3.3	275	21	5.1	0
18/12/2022 10:20	3.8	275	24	6	0
18/12/2022 10:30	3.3	274	23	5.2	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/12/2022 10:40	2.9	253	28	4.6	0
18/12/2022 10:50	3.6	290	33	5.2	0
18/12/2022 11:00	3.3	289	29	5.3	0
18/12/2022 11:10	4.1	320	22	6.1	0
18/12/2022 11:20	3.5	300	24	5.6	0
18/12/2022 11:30	3.5	289	26	5.6	0
18/12/2022 11:40	3.9	298	21	6.1	0
18/12/2022 11:50	3.4	279	29	6.3	0
18/12/2022 12:00	4.1	308	20	6.4	0
18/12/2022 12:10	3.5	299	25	5.6	0
18/12/2022 12:20	3.6	294	23	5.7	0
18/12/2022 12:30	3.6	288	30	6	0
18/12/2022 12:40	3.4	300	27	6.1	0
18/12/2022 12:50	3.9	313	21	6.6	0
18/12/2022 13:00	4.8	319	20	7.2	0
18/12/2022 13:10	5.2	330	16	7.7	0
18/12/2022 13:20	5	324	16	7.2	0
18/12/2022 13:30	4.8	319	20	8.1	0
18/12/2022 13:40	5	321	21	7.5	0
18/12/2022 13:50	4.6	312	18	6.8	0
18/12/2022 14:00	5.3	322	14	7.4	0
18/12/2022 14:10	5.1	322	17	7.5	0
18/12/2022 14:20	5	322	15	7.5	0
18/12/2022 14:30	4.4	314	20	7.4	0
18/12/2022 14:40	4.3	313	20	7.4	0
18/12/2022 14:50	4.8	318	19	7.5	0
18/12/2022 15:00	4.6	326	18	7.7	0
18/12/2022 15:10	5.5	327	14	8	0
18/12/2022 15:20	5.1	322	17	7.2	0
18/12/2022 15:30	4.8	317	20	7.6	0
18/12/2022 15:40	4	311	27	7.1	0
18/12/2022 15:50	3.7	309	26	6.1	0
18/12/2022 16:00	3.9	292	26	6	0
18/12/2022 16:10	4.4	299	18	7.7	0
18/12/2022 16:20	4.5	304	18	7.4	0
18/12/2022 16:30	4.5	313	18	7.5	0
18/12/2022 16:40	4.5	292	25	6.9	0
18/12/2022 16:50	4.3	294	24	7	0
18/12/2022 17:00	4.2	291	23	6.5	0
18/12/2022 17:10	4.4	296	22	6.9	0
18/12/2022 17:20	4.1	287	21	6.3	0
18/12/2022 17:30	3.3	289	25	5.6	0
18/12/2022 17:40	3.2	288	20	5.5	0
18/12/2022 17:50	3.3	289	25	4.7	0
18/12/2022 18:00	2.8	257	37	4.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/12/2022 18:10	2.7	236	35	4.7	0
18/12/2022 18:20	2.8	243	24	4.6	0
18/12/2022 18:30	2.8	226	32	5.4	0
18/12/2022 18:40	3.2	212	27	4.8	0
18/12/2022 18:50	2.5	241	31	4.5	0
18/12/2022 19:00	2.7	280	31	4.3	0
18/12/2022 19:10	2.6	282	28	4	0
18/12/2022 19:20	2.9	272	18	4.4	0
18/12/2022 19:30	2.7	269	19	4.1	0
18/12/2022 19:40	2.6	278	18	3.6	0
18/12/2022 19:50	2.7	279	19	4.2	0
18/12/2022 20:00	2.9	273	16	5.2	0
18/12/2022 20:10	2.5	275	19	3.6	0
18/12/2022 20:20	2.6	272	18	4	0
18/12/2022 20:30	2.1	271	21	3.4	0
18/12/2022 20:40	2.3	279	15	3.2	0
18/12/2022 20:50	2.3	273	15	3.5	0
18/12/2022 21:00	2.4	276	15	3.3	0
18/12/2022 21:10	2.1	281	20	3.1	0
18/12/2022 21:20	2.3	269	17	3.2	0
18/12/2022 21:30	2.2	280	18	3.4	0
18/12/2022 21:40	2.1	272	19	3.3	0
18/12/2022 21:50	2.8	273	19	4	0
18/12/2022 22:00	2.1	275	26	3.5	0
18/12/2022 22:10	2.8	279	19	4	0
18/12/2022 22:20	2.4	284	21	3.6	0
18/12/2022 22:30	2.2	270	21	3.2	0
18/12/2022 22:40	2	268	20	3.1	0
18/12/2022 22:50	2.2	273	19	3.5	0
18/12/2022 23:00	2.4	272	17	3.5	0
18/12/2022 23:10	2.5	272	18	3.7	0
18/12/2022 23:20	2.4	259	30	3.6	0
18/12/2022 23:30	2.3	263	30	3.6	0
18/12/2022 23:40	2	269	26	3.9	0
18/12/2022 23:50	1.9	262	29	3.4	0
19/12/2022 00:00	2	273	26	3.1	0
19/12/2022 00:10	1.4	238	41	3	0
19/12/2022 00:20	1.5	260	54	2.4	0
19/12/2022 00:30	2.2	271	19	3.2	0
19/12/2022 00:40	1.4	270	29	2.3	0
19/12/2022 00:50	1.4	234	38	2.4	0
19/12/2022 01:00	1.4	210	51	2.6	0
19/12/2022 01:10	1.8	204	35	3	0
19/12/2022 01:20	1.7	233	40	3	0
19/12/2022 01:30	1.7	212	33	2.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/12/2022 01:40	1.5	264	41	2.8	0
19/12/2022 01:50	1.5	264	33	2.8	0
19/12/2022 02:00	1.6	256	50	3.2	0
19/12/2022 02:10	1.7	231	51	3.2	0
19/12/2022 02:20	1.8	224	35	3.6	0
19/12/2022 02:30	1.6	266	36	2.9	0
19/12/2022 02:40	1.8	264	26	3	0
19/12/2022 02:50	1.5	265	39	2.8	0
19/12/2022 03:00	1.5	210	40	2.8	0
19/12/2022 03:10	1.4	233	57	2.8	0
19/12/2022 03:20	1.7	270	30	3.2	0
19/12/2022 03:30	2.2	260	38	3.6	0
19/12/2022 03:40	2.3	268	22	3.7	0
19/12/2022 03:50	2.8	269	24	4.7	0
19/12/2022 04:00	2.6	276	31	4.6	0
19/12/2022 04:10	2.4	270	42	4.2	0
19/12/2022 04:20	2.6	271	33	4.7	0
19/12/2022 04:30	2.5	265	43	4.4	0
19/12/2022 04:40	2.4	266	35	4.2	0
19/12/2022 04:50	2.2	262	42	4.6	0
19/12/2022 05:00	2.4	282	39	4.3	0
19/12/2022 05:10	2.8	268	25	5.2	0
19/12/2022 05:20	3.1	263	26	5.2	0
19/12/2022 05:30	2.6	269	36	4.7	0
19/12/2022 05:40	2.3	269	29	4.2	0
19/12/2022 05:50	2.2	269	33	4.4	0
19/12/2022 06:00	1.8	257	35	2.8	0
19/12/2022 06:10	2.2	262	31	3.4	0
19/12/2022 06:20	1.9	274	28	2.9	0
19/12/2022 06:30	2.4	272	17	3.8	0
19/12/2022 06:40	2.4	274	20	3.6	0
19/12/2022 06:50	2.3	273	17	3.6	0
19/12/2022 07:00	2.1	272	29	3.6	0
19/12/2022 07:10	2.7	273	22	4.2	0
19/12/2022 07:20	1.6	255	43	2.8	0
19/12/2022 07:30	1.8	251	34	3.1	0
19/12/2022 07:40	2.2	270	19	3.4	0
19/12/2022 07:50	2.2	269	37	3.8	0
19/12/2022 08:00	2.3	276	25	3.9	0
19/12/2022 08:10	2.1	285	27	3.3	0
19/12/2022 08:20	2.4	268	49	4.1	0
19/12/2022 08:30	1.8	258	39	2.8	0
19/12/2022 08:40	1.6	283	51	2.7	0
19/12/2022 08:50	1.8	250	37	3.2	0
19/12/2022 09:00	2.3	279	25	3.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/12/2022 09:10	2.1	304	31	3.6	0
19/12/2022 09:20	2.3	252	45	3.7	0
19/12/2022 09:30	2.4	292	29	4.1	0
19/12/2022 09:40	2.3	285	33	3.6	0
19/12/2022 09:50	2.5	298	27	3.9	0
19/12/2022 10:00	2.2	284	43	3.6	0
19/12/2022 10:10	2.6	284	32	4	0
19/12/2022 10:20	2.8	293	32	4.4	0
19/12/2022 10:30	2.6	292	33	4.1	0
19/12/2022 10:40	3.1	322	31	4.6	0
19/12/2022 10:50	2.8	309	25	4.8	0
19/12/2022 11:00	2.7	307	36	4	0
19/12/2022 11:10	3.8	329	26	5.7	0
19/12/2022 11:20	3.8	327	17	6	0
19/12/2022 11:30	3.3	310	27	5.4	0
19/12/2022 11:40	3.7	307	31	6.5	0
19/12/2022 11:50	3.2	300	27	5.3	0
19/12/2022 12:00	3.6	314	26	5.6	0
19/12/2022 12:10	4.6	333	17	6.6	0
19/12/2022 12:20	4.9	330	15	6.8	0
19/12/2022 12:30	5	323	15	8	0
19/12/2022 12:40	5.2	326	18	7.5	0
19/12/2022 12:50	5	327	18	8.6	0
19/12/2022 13:00	4.8	327	15	7.2	0
19/12/2022 13:10	4.2	309	23	6.6	0
19/12/2022 13:20	4.7	313	21	7	0
19/12/2022 13:30	5.2	328	14	7.2	0
19/12/2022 13:40	4.7	310	24	6.9	0
19/12/2022 13:50	5.6	325	19	7.9	0
19/12/2022 14:00	5.1	321	19	7.8	0
19/12/2022 14:10	5.1	323	20	8.3	0
19/12/2022 14:20	4.7	311	21	7.5	0
19/12/2022 14:30	4.5	302	20	7.4	0
19/12/2022 14:40	4.1	296	21	6.6	0
19/12/2022 14:50	4.5	304	21	6.9	0
19/12/2022 15:00	4.8	302	23	7.9	0
19/12/2022 15:10	4.4	308	24	7.2	0
19/12/2022 15:20	4.4	305	23	6.7	0
19/12/2022 15:30	5.1	297	19	7.3	0
19/12/2022 15:40	4.6	290	22	7.3	0
19/12/2022 15:50	4.6	292	25	7.5	0
19/12/2022 16:00	4.9	296	19	7.5	0
19/12/2022 16:10	4.6	296	20	7.7	0
19/12/2022 16:20	5.1	295	19	8	0
19/12/2022 16:30	4.7	303	18	7.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/12/2022 16:40	4.7	305	19	6.8	0
19/12/2022 16:50	3.9	289	22	6.3	0
19/12/2022 17:00	4.2	285	19	6.8	0
19/12/2022 17:10	4.3	283	24	6.4	0
19/12/2022 17:20	4.8	300	23	7.5	0
19/12/2022 17:30	4.3	287	24	6.5	0
19/12/2022 17:40	4.3	288	24	6.2	0
19/12/2022 17:50	4.6	291	22	6.8	0
19/12/2022 18:00	4	291	22	6.8	0
19/12/2022 18:10	4	281	25	6	0
19/12/2022 18:20	3.9	284	23	6.3	0
19/12/2022 18:30	4.1	295	23	7.2	0
19/12/2022 18:40	3.9	293	21	6.4	0
19/12/2022 18:50	3.5	288	22	5.4	0
19/12/2022 19:00	3.3	279	27	5.5	0
19/12/2022 19:10	3.3	294	22	5.1	0
19/12/2022 19:20	2.9	283	23	4.8	0
19/12/2022 19:30	3.5	294	25	5.4	0
19/12/2022 19:40	3.7	285	23	5.4	0
19/12/2022 19:50	3.8	284	21	6.1	0
19/12/2022 20:00	3.7	295	25	6.1	0
19/12/2022 20:10	3.5	284	26	5.7	0
19/12/2022 20:20	3.2	272	24	5.2	0
19/12/2022 20:30	3.1	283	21	5.2	0
19/12/2022 20:40	3.2	277	26	5.1	0
19/12/2022 20:50	3.2	265	24	4.9	0
19/12/2022 21:00	3.3	274	22	5.1	0
19/12/2022 21:10	3.2	269	24	5.2	0
19/12/2022 21:20	3.2	274	26	5	0
19/12/2022 21:30	3.1	280	22	5.2	0
19/12/2022 21:40	3.3	275	25	5.6	0
19/12/2022 21:50	3	268	32	4.9	0
19/12/2022 22:00	3.2	279	27	5.4	0
19/12/2022 22:10	2.8	281	23	4.6	0
19/12/2022 22:20	3	277	23	5.1	0
19/12/2022 22:30	3.2	271	26	5.6	0
19/12/2022 22:40	2.6	267	31	4.4	0
19/12/2022 22:50	3.3	267	25	5.2	0
19/12/2022 23:00	2.7	274	21	4.8	0
19/12/2022 23:10	3	261	24	4.7	0
19/12/2022 23:20	3.3	271	25	5.6	0
19/12/2022 23:30	2.6	266	42	4.6	0
19/12/2022 23:40	2.4	256	49	4.4	0
19/12/2022 23:50	2.2	236	49	4	0
20/12/2022 00:00	2	266	38	3.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/12/2022 00:10	2.1	250	38	3.6	0
20/12/2022 00:20	1.7	242	58	3.5	0
20/12/2022 00:30	2	274	46	3.6	0
20/12/2022 00:40	1.9	279	57	4	0
20/12/2022 00:50	2.2	259	53	4.7	0
20/12/2022 01:00	2	262	38	3.8	0
20/12/2022 01:10	1.7	241	52	3.1	0
20/12/2022 01:20	1.8	228	52	4	0
20/12/2022 01:30	1.8	220	45	3.2	0
20/12/2022 01:40	1.5	208	54	3.4	0
20/12/2022 01:50	1.6	204	42	3.1	0
20/12/2022 02:00	1.3	224	58	3.4	0
20/12/2022 02:10	1.4	222	59	3	0
20/12/2022 02:20	1.2	222	69	2	0
20/12/2022 02:30	1.8	262	42	3.7	0
20/12/2022 02:40	1.7	235	49	3.3	0
20/12/2022 02:50	1.9	208	33	3.1	0
20/12/2022 03:00	3.2	200	19	4.7	0
20/12/2022 03:10	3.5	201	21	5	0
20/12/2022 03:20	3.2	199	18	4.5	0
20/12/2022 03:30	2.9	201	22	4.8	0
20/12/2022 03:40	2.1	203	24	4	0
20/12/2022 03:50	2.8	201	16	4.4	0
20/12/2022 04:00	3.2	199	14	4.8	0
20/12/2022 04:10	3	197	12	4.4	0
20/12/2022 04:20	3.3	190	12	4.8	0
20/12/2022 04:30	3.1	188	12	4	0
20/12/2022 04:40	2.9	190	13	4.4	0
20/12/2022 04:50	3.5	195	12	5.1	0
20/12/2022 05:00	2.7	202	20	4	0
20/12/2022 05:10	2.8	205	17	3.8	0
20/12/2022 05:20	3	192	13	4.6	0
20/12/2022 05:30	3.2	181	13	4.5	0
20/12/2022 05:40	2.8	190	14	4	0
20/12/2022 05:50	3	196	11	4.4	0
20/12/2022 06:00	2.6	184	14	3.7	0
20/12/2022 06:10	3.1	196	12	4.3	0
20/12/2022 06:20	2.2	168	18	3.5	0
20/12/2022 06:30	1.9	173	20	2.8	0
20/12/2022 06:40	2.1	165	21	3.3	0
20/12/2022 06:50	2.1	170	22	3.3	0
20/12/2022 07:00	2.2	179	20	3.4	0
20/12/2022 07:10	2.3	163	24	4	0
20/12/2022 07:20	2.2	192	19	3.5	0
20/12/2022 07:30	2.4	193	17	4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/12/2022 07:40	1.9	200	24	3.2	0
20/12/2022 07:50	1.9	187	38	3.2	0
20/12/2022 08:00	2.1	152	18	3.2	0
20/12/2022 08:10	1.6	220	43	3	0
20/12/2022 08:20	1.7	231	59	3.4	0
20/12/2022 08:30	2	225	40	3.4	0
20/12/2022 08:40	2.4	292	37	3.6	0
20/12/2022 08:50	2.7	274	30	4.6	0
20/12/2022 09:00	2.6	288	25	3.7	0
20/12/2022 09:10	2.7	297	30	4.4	0
20/12/2022 09:20	2.9	288	26	4.3	0
20/12/2022 09:30	2.8	291	24	3.9	0
20/12/2022 09:40	2.6	273	28	4.5	0
20/12/2022 09:50	2.3	256	24	3.6	0
20/12/2022 10:00	2.1	277	51	3.7	0
20/12/2022 10:10	2.7	304	33	4.8	0
20/12/2022 10:20	3.1	288	22	4.9	0
20/12/2022 10:30	3.4	325	28	5.3	0
20/12/2022 10:40	3.9	322	25	6.3	0
20/12/2022 10:50	3.7	310	24	6	0
20/12/2022 11:00	3.1	311	32	5.3	0
20/12/2022 11:10	4	318	24	6.8	0
20/12/2022 11:20	4.5	322	16	6.8	0
20/12/2022 11:30	4.4	317	22	7.2	0
20/12/2022 11:40	4.8	323	19	7.6	0
20/12/2022 11:50	5.6	325	12	8.2	0
20/12/2022 12:00	4.7	316	22	7.2	0
20/12/2022 12:10	4.4	315	21	7.8	0
20/12/2022 12:20	5.3	322	21	7.5	0
20/12/2022 12:30	5.7	327	15	9	0
20/12/2022 12:40	5.4	323	17	8.3	0
20/12/2022 12:50	4.8	312	24	7.9	0
20/12/2022 13:00	5	321	21	8.2	0
20/12/2022 13:10	4.4	319	21	7.6	0
20/12/2022 13:20	4.6	314	21	6.8	0
20/12/2022 13:30	5.2	328	15	7.5	0
20/12/2022 13:40	5.1	321	17	7.3	0
20/12/2022 13:50	5.2	324	15	7.6	0
20/12/2022 14:00	5.4	333	15	7.7	0
20/12/2022 14:10	5.7	329	14	7.9	0
20/12/2022 14:20	4.6	324	18	6.7	0
20/12/2022 14:30	5.1	324	16	6.9	0
20/12/2022 14:40	5.1	325	16	7.2	0
20/12/2022 14:50	5.8	329	12	7.9	0
20/12/2022 15:00	5	325	19	7.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/12/2022 15:10	4.6	319	17	7.6	0
20/12/2022 15:20	4.9	328	16	7.2	0
20/12/2022 15:30	5.3	325	17	7.8	0
20/12/2022 15:40	5.4	323	19	7.9	0
20/12/2022 15:50	5.9	332	13	8.1	0
20/12/2022 16:00	5	319	19	7.6	0
20/12/2022 16:10	4.9	316	16	7.2	0
20/12/2022 16:20	5	318	17	7.2	0
20/12/2022 16:30	5.1	323	15	7.1	0
20/12/2022 16:40	4.1	308	21	6.5	0
20/12/2022 16:50	4.2	286	26	6.8	0
20/12/2022 17:00	4.3	294	22	6.8	0
20/12/2022 17:10	3.7	291	26	5.7	0
20/12/2022 17:20	3.9	282	27	6.1	0
20/12/2022 17:30	4.4	291	19	6.8	0
20/12/2022 17:40	4.1	285	24	6	0
20/12/2022 17:50	4.2	281	20	6.6	0
20/12/2022 18:00	4	284	20	5.9	0
20/12/2022 18:10	4.5	297	19	7.2	0
20/12/2022 18:20	4.4	291	21	7.5	0
20/12/2022 18:30	4.7	294	21	7.1	0
20/12/2022 18:40	3.8	287	24	6	0
20/12/2022 18:50	3.9	299	21	7.2	0
20/12/2022 19:00	4.2	291	24	6.6	0
20/12/2022 19:10	4.3	293	23	7	0
20/12/2022 19:20	4.6	291	19	6.9	0
20/12/2022 19:30	4	293	22	6.9	0
20/12/2022 19:40	4.2	298	24	6	0
20/12/2022 19:50	3.8	281	23	6.3	0
20/12/2022 20:00	3.6	282	30	6	0
20/12/2022 20:10	3.3	274	25	4.8	0
20/12/2022 20:20	3.5	281	20	5.5	0
20/12/2022 20:30	3.6	285	18	5.8	0
20/12/2022 20:40	3.8	277	19	5.9	0
20/12/2022 20:50	3.3	273	25	5	0
20/12/2022 21:00	3.6	274	22	5.9	0
20/12/2022 21:10	3.6	278	23	5.6	0
20/12/2022 21:20	3	273	25	5.6	0
20/12/2022 21:30	2.5	256	50	5.2	0
20/12/2022 21:40	3.5	270	20	6.2	0
20/12/2022 21:50	2.9	272	26	5.1	0
20/12/2022 22:00	2.7	265	37	4.8	0
20/12/2022 22:10	2.9	271	35	5	0
20/12/2022 22:20	2.2	276	33	3.8	0
20/12/2022 22:30	2.4	261	51	4.5	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/12/2022 22:40	2.2	265	44	4	0
20/12/2022 22:50	2.4	265	47	4.4	0
20/12/2022 23:00	2.4	257	41	4.2	0
20/12/2022 23:10	2.8	268	27	5	0
20/12/2022 23:20	2.4	272	36	4.8	0
20/12/2022 23:30	2.1	270	46	3.5	0
20/12/2022 23:40	2.2	252	54	4.2	0
20/12/2022 23:50	1.9	233	60	4	0
21/12/2022 00:00	1.9	240	53	4	0
21/12/2022 00:10	1.5	233	60	2.8	0
21/12/2022 00:20	1.7	245	41	3.7	0
21/12/2022 00:30	1.6	214	50	3.1	0
21/12/2022 00:40	1.6	255	53	3.8	0
21/12/2022 00:50	1.8	249	47	3.4	0
21/12/2022 01:00	1.3	218	66	3	0
21/12/2022 01:10	1.5	224	59	3.6	0
21/12/2022 01:20	2.3	209	52	4.5	0
21/12/2022 01:30	3	205	25	5.2	0
21/12/2022 01:40	2.9	203	29	5.6	0
21/12/2022 01:50	2.8	199	27	4.4	0
21/12/2022 02:00	2.8	200	25	5	0
21/12/2022 02:10	3.2	200	22	4.9	0
21/12/2022 02:20	3	201	22	4.5	0
21/12/2022 02:30	2.9	204	26	5.2	0
21/12/2022 02:40	3	206	27	4.6	0
21/12/2022 02:50	2.8	200	26	5.1	0
21/12/2022 03:00	2.6	199	23	4.6	0
21/12/2022 03:10	2.1	196	22	3.1	0
21/12/2022 03:20	1.4	194	48	2.8	0
21/12/2022 03:30	1.5	196	39	2.7	0
21/12/2022 03:40	1.6	221	45	2.8	0
21/12/2022 03:50	1.1	235	69	2.1	0
21/12/2022 04:00	1	227	77	2.4	0
21/12/2022 04:10	0.9	206	56	1.9	0
21/12/2022 04:20	1	189	29	1.8	0
21/12/2022 04:30	1.6	189	11	2.2	0
21/12/2022 04:40	2.3	195	9	3	0
21/12/2022 04:50	2.1	193	14	2.8	0
21/12/2022 05:00	1.1	214	44	2	0
21/12/2022 05:10	1.7	194	16	2.4	0
21/12/2022 05:20	1.7	190	15	2.4	0
21/12/2022 05:30	1.6	192	16	2.2	0
21/12/2022 05:40	1.8	194	14	2.6	0
21/12/2022 05:50	1.3	206	49	2.4	0
21/12/2022 06:00	2	192	15	3.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/12/2022 06:10	2.1	200	29	3.4	0
21/12/2022 06:20	2.4	193	13	3.3	0
21/12/2022 06:30	2.8	194	12	3.7	0
21/12/2022 06:40	3.1	200	16	4.6	0
21/12/2022 06:50	3.2	199	14	4.9	0
21/12/2022 07:00	2.6	191	18	3.9	0
21/12/2022 07:10	2.6	207	23	4.4	0
21/12/2022 07:20	1.9	220	46	3.4	0
21/12/2022 07:30	1.9	243	46	3.2	0
21/12/2022 07:40	2.3	249	33	3.8	0
21/12/2022 07:50	2.5	231	38	4.8	0
21/12/2022 08:00	2.1	247	43	4.6	0
21/12/2022 08:10	2	248	46	3.4	0
21/12/2022 08:20	1.7	265	48	4	0
21/12/2022 08:30	3.1	273	24	5.1	0
21/12/2022 08:40	3.3	279	26	4.8	0
21/12/2022 08:50	3.2	290	27	5.2	0
21/12/2022 09:00	3.4	292	19	5.1	0
21/12/2022 09:10	3.1	286	22	4.9	0
21/12/2022 09:20	3.2	292	23	4.8	0
21/12/2022 09:30	3.4	276	21	5.1	0
21/12/2022 09:40	3.4	281	27	5.2	0
21/12/2022 09:50	3.3	277	25	5.3	0
21/12/2022 10:00	3.5	281	21	6.2	0
21/12/2022 10:10	3.9	279	20	6.2	0
21/12/2022 10:20	3.6	274	25	5.7	0
21/12/2022 10:30	4.2	277	22	6.2	0
21/12/2022 10:40	3.8	270	20	5.6	0
21/12/2022 10:50	3.9	273	21	5.7	0
21/12/2022 11:00	3.7	274	20	5.5	0
21/12/2022 11:10	3.4	271	22	5.2	0
21/12/2022 11:20	4.2	284	25	6.7	0
21/12/2022 11:30	3.9	294	28	6.6	0
21/12/2022 11:40	4.1	291	25	7	0
21/12/2022 11:50	4.5	302	19	7.5	0
21/12/2022 12:00	4.6	310	23	7.2	0
21/12/2022 12:10	4.8	298	26	7.7	0
21/12/2022 12:20	4.8	313	21	8	0
21/12/2022 12:30	5	309	22	8	0
21/12/2022 12:40	5.7	300	17	7.6	0
21/12/2022 12:50	4.9	294	18	8	0
21/12/2022 13:00	5.1	311	23	8.4	0
21/12/2022 13:10	5.6	321	21	8.4	0
21/12/2022 13:20	5.4	317	18	7.4	0
21/12/2022 13:30	5.4	310	20	8.3	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/12/2022 13:40	5.3	311	20	7.9	0
21/12/2022 13:50	5.2	305	22	7.7	0
21/12/2022 14:00	5.1	295	23	7.7	0
21/12/2022 14:10	5.2	286	23	7.2	0
21/12/2022 14:20	4.6	297	21	6.7	0
21/12/2022 14:30	4.9	297	22	8.4	0
21/12/2022 14:40	5.2	305	22	7.8	0
21/12/2022 14:50	5.4	309	20	8.2	0
21/12/2022 15:00	5.7	306	21	8.6	0
21/12/2022 15:10	5.7	308	19	7.9	0
21/12/2022 15:20	5.6	311	17	8.4	0
21/12/2022 15:30	5	306	19	8.3	0
21/12/2022 15:40	5.3	298	22	7.9	0
21/12/2022 15:50	5.1	298	21	8.4	0
21/12/2022 16:00	5.1	294	25	8.6	0
21/12/2022 16:10	5.7	296	22	7.9	0
21/12/2022 16:20	5.9	298	21	8.6	0
21/12/2022 16:30	6.3	302	17	9.6	0
21/12/2022 16:40	6	298	16	9.2	0
21/12/2022 16:50	4.8	292	22	7.6	0
21/12/2022 17:00	4.7	284	21	7.6	0
21/12/2022 17:10	4.3	289	27	7.6	0
21/12/2022 17:20	5.1	280	23	7.9	0
21/12/2022 17:30	4.9	294	19	8	0
21/12/2022 17:40	4.8	292	27	7.9	0
21/12/2022 17:50	6	300	18	8.6	0
21/12/2022 18:00	4.9	298	19	7.5	0
21/12/2022 18:10	4.4	288	23	6.9	0
21/12/2022 18:20	4.6	289	22	7.7	0
21/12/2022 18:30	4.4	284	24	7.3	0
21/12/2022 18:40	4.4	292	28	7.2	0
21/12/2022 18:50	4	292	27	6.6	0
21/12/2022 19:00	3.5	273	24	5.6	0
21/12/2022 19:10	3.6	271	23	6	0
21/12/2022 19:20	3.5	263	29	6.2	0
21/12/2022 19:30	3.5	271	22	5.8	0
21/12/2022 19:40	3.7	269	25	6.2	0
21/12/2022 19:50	3.9	279	20	6	0
21/12/2022 20:00	3.2	272	26	5.2	0
21/12/2022 20:10	3.1	278	25	5.6	0
21/12/2022 20:20	3.3	273	24	5.7	0
21/12/2022 20:30	3.4	275	23	6.4	0
21/12/2022 20:40	2.8	255	42	4.8	0
21/12/2022 20:50	3.1	274	38	5.4	0
21/12/2022 21:00	3.3	276	26	5.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/12/2022 21:10	3.5	271	29	6	0
21/12/2022 21:20	3.1	269	39	5.5	0
21/12/2022 21:30	3.4	269	31	6.3	0
21/12/2022 21:40	3	262	37	5.6	0
21/12/2022 21:50	2.5	264	40	4.6	0
21/12/2022 22:00	2.9	276	35	4.9	0
21/12/2022 22:10	3.3	271	29	5.5	0
21/12/2022 22:20	2.6	255	44	5	0
21/12/2022 22:30	3.2	275	30	5.4	0
21/12/2022 22:40	2.9	278	28	5.2	0
21/12/2022 22:50	2.6	257	48	5.2	0
21/12/2022 23:00	2.9	276	27	4.9	0
21/12/2022 23:10	2.6	263	33	4.5	0
21/12/2022 23:20	2.3	275	40	4.3	0
21/12/2022 23:30	2.5	278	29	4.6	0
21/12/2022 23:40	2.5	263	36	4.6	0
21/12/2022 23:50	2.6	278	27	4.4	0
22/12/2022 00:00	2.5	268	30	4.4	0
22/12/2022 00:10	2.4	268	28	4	0
22/12/2022 00:20	2.2	277	24	4.3	0
22/12/2022 00:30	1.7	279	28	3.6	0
22/12/2022 00:40	2.1	279	27	3.8	0
22/12/2022 00:50	2.3	275	32	3.7	0
22/12/2022 01:00	2.4	289	21	4.1	0
22/12/2022 01:10	2.1	292	27	3.6	0
22/12/2022 01:20	2.1	285	22	3.4	0
22/12/2022 01:30	2.4	286	25	3.8	0
22/12/2022 01:40	1.9	284	32	3.6	0
22/12/2022 01:50	1.9	273	31	3.2	0
22/12/2022 02:00	1.7	286	27	3.1	0
22/12/2022 02:10	1.6	287	30	2.9	0
22/12/2022 02:20	1.6	296	29	2.9	0
22/12/2022 02:30	2.1	288	23	3.2	0
22/12/2022 02:40	1.7	283	30	2.7	0
22/12/2022 02:50	2.1	289	25	3.7	0
22/12/2022 03:00	1.8	284	26	3	0
22/12/2022 03:10	1.7	281	26	2.8	0
22/12/2022 03:20	1.8	286	25	3.4	0
22/12/2022 03:30	1.7	291	25	3	0
22/12/2022 03:40	1.8	291	28	2.9	0
22/12/2022 03:50	1.6	290	25	2.7	0
22/12/2022 04:00	1.8	282	27	3.1	0
22/12/2022 04:10	1.9	279	20	3.1	0
22/12/2022 04:20	1.7	279	25	2.8	0
22/12/2022 04:30	1.9	260	28	2.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/12/2022 04:40	2	264	26	3.4	0
22/12/2022 04:50	1.8	255	30	3.2	0
22/12/2022 05:00	1.5	243	46	2.8	0
22/12/2022 05:10	1.8	274	22	2.8	0
22/12/2022 05:20	1.4	294	22	2.4	0
22/12/2022 05:30	1.4	297	22	2.5	0
22/12/2022 05:40	1.3	293	24	2	0
22/12/2022 05:50	1.7	283	27	3.2	0
22/12/2022 06:00	1.4	293	19	2.4	0
22/12/2022 06:10	1.1	292	26	1.7	0
22/12/2022 06:20	1.2	269	28	2.1	0
22/12/2022 06:30	1.3	258	39	2.3	0
22/12/2022 06:40	1.3	249	42	2.2	0
22/12/2022 06:50	1.6	270	15	2.4	0
22/12/2022 07:00	1.4	255	36	2.4	0
22/12/2022 07:10	1.4	203	32	2.8	0
22/12/2022 07:20	1.4	165	22	2.5	0
22/12/2022 07:30	1.7	157	19	2.5	0
22/12/2022 07:40	2.2	123	25	3.7	0
22/12/2022 07:50	2.6	113	22	4.2	0
22/12/2022 08:00	2	114	33	3.2	0
22/12/2022 08:10	2	86	28	3.2	0
22/12/2022 08:20	1.9	81	22	3	0
22/12/2022 08:30	2.4	53	16	3.3	0
22/12/2022 08:40	2.6	58	15	3.8	0
22/12/2022 08:50	2.4	60	17	3.2	0
22/12/2022 09:00	2.8	59	12	3.7	0
22/12/2022 09:10	2.8	67	15	3.8	0
22/12/2022 09:20	2.8	67	16	4.2	0
22/12/2022 09:30	2.6	57	17	3.5	0
22/12/2022 09:40	2.8	63	15	4	0
22/12/2022 09:50	3.3	62	15	4.4	0
22/12/2022 10:00	3.1	73	16	4	0
22/12/2022 10:10	3.3	62	16	4.4	0
22/12/2022 10:20	3.3	67	14	4.4	0
22/12/2022 10:30	3.5	67	13	5	0
22/12/2022 10:40	3.3	77	15	4.6	0
22/12/2022 10:50	3.4	57	16	4.3	0
22/12/2022 11:00	3.5	62	11	4.4	0
22/12/2022 11:10	3.6	55	13	4.7	0
22/12/2022 11:20	4.2	60	12	5.4	0
22/12/2022 11:30	4.4	48	13	5.9	0
22/12/2022 11:40	3.9	46	15	5.4	0
22/12/2022 11:50	4.3	51	13	5.9	0
22/12/2022 12:00	4.6	49	17	5.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/12/2022 12:10	3.8	181	18	6.1	0
22/12/2022 12:20	5.1	345	17	6.8	0
22/12/2022 12:30	5.2	340	15	7.1	0
22/12/2022 12:40	5.6	342	13	8.6	0
22/12/2022 12:50	5.8	338	13	7.9	0
22/12/2022 13:00	6	335	13	9.2	0
22/12/2022 13:10	5.9	333	15	8.7	0
22/12/2022 13:20	5.9	339	16	8.7	0
22/12/2022 13:30	6.1	337	15	8.3	0
22/12/2022 13:40	6.1	341	16	8.2	0
22/12/2022 13:50	5.7	334	15	8.3	0
22/12/2022 14:00	5.8	343	16	8.1	0
22/12/2022 14:10	6	342	14	7.9	0
22/12/2022 14:20	5.7	339	14	7.5	0
22/12/2022 14:30	5.7	339	15	8.2	0
22/12/2022 14:40	5.9	336	14	8.2	0
22/12/2022 14:50	5.5	335	14	7.6	0
22/12/2022 15:00	5.7	336	13	7.6	0
22/12/2022 15:10	5.3	335	13	7.5	0
22/12/2022 15:20	5.5	348	10	7.7	0
22/12/2022 15:30	5.4	353	11	7.5	0
22/12/2022 15:40	5.4	174	15	7.8	0
22/12/2022 15:50	5.6	351	17	7.9	0
22/12/2022 16:00	5.5	351	16	7.7	0
22/12/2022 16:10	5.5	353	12	7.5	0
22/12/2022 16:20	5.6	351	11	7.9	0
22/12/2022 16:30	5.3	347	15	7.1	0
22/12/2022 16:40	5	345	19	7.3	0
22/12/2022 16:50	5	348	14	7.1	0
22/12/2022 17:00	4.9	350	15	6.8	0
22/12/2022 17:10	4.4	339	16	6.5	0
22/12/2022 17:20	4.6	335	15	6.5	0
22/12/2022 17:30	4.6	329	16	6.8	0
22/12/2022 17:40	4.2	324	17	5.9	0
22/12/2022 17:50	4.4	326	15	6.2	0
22/12/2022 18:00	3.9	314	18	5.9	0
22/12/2022 18:10	3.9	309	23	5.6	0
22/12/2022 18:20	3.5	313	18	5.6	0
22/12/2022 18:30	3.9	309	17	5.7	0
22/12/2022 18:40	4.5	325	16	6.7	0
22/12/2022 18:50	4	321	21	6.3	0
22/12/2022 19:00	4.6	326	13	6.5	0
22/12/2022 19:10	4.3	325	17	6.5	0
22/12/2022 19:20	4.2	319	18	6.2	0
22/12/2022 19:30	4	316	15	6.4	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/12/2022 19:40	4.5	323	14	6	0
22/12/2022 19:50	4.5	323	12	6.4	0
22/12/2022 20:00	3.8	323	14	5.6	0
22/12/2022 20:10	3.5	318	17	5.4	0
22/12/2022 20:20	3	304	22	4.8	0
22/12/2022 20:30	4	301	15	5.8	0
22/12/2022 20:40	3.1	306	19	4.8	0
22/12/2022 20:50	2.9	294	23	4.6	0
22/12/2022 21:00	2.9	282	22	5.2	0
22/12/2022 21:10	3.1	280	21	5.1	0
22/12/2022 21:20	2.9	280	19	4.6	0
22/12/2022 21:30	2.3	277	22	4.1	0
22/12/2022 21:40	2.5	271	25	4.4	0
22/12/2022 21:50	2.4	261	28	4.1	0
22/12/2022 22:00	2.3	268	34	4.2	0
22/12/2022 22:10	2.6	269	24	4.4	0
22/12/2022 22:20	2.3	270	30	4.2	0
22/12/2022 22:30	2	274	41	3.6	0
22/12/2022 22:40	2.6	276	25	4.4	0
22/12/2022 22:50	2	272	30	3.2	0
22/12/2022 23:00	2.4	271	28	4	0
22/12/2022 23:10	1.6	265	63	3.8	0
22/12/2022 23:20	2	260	39	3.6	0
22/12/2022 23:30	1.7	255	44	4	0
22/12/2022 23:40	1.8	264	35	3.5	0
22/12/2022 23:50	1.7	252	46	2.8	0
23/12/2022 00:00	1.4	218	57	2.8	0
23/12/2022 00:10	1.5	265	38	2.7	0
23/12/2022 00:20	1.4	236	52	3	0
23/12/2022 00:30	1.5	226	33	2.4	0
23/12/2022 00:40	1.3	208	50	2.1	0
23/12/2022 00:50	1.6	221	47	2.8	0
23/12/2022 01:00	1.7	225	37	2.9	0
23/12/2022 01:10	1.6	226	42	2.8	0
23/12/2022 01:20	1.3	214	44	2.4	0
23/12/2022 01:30	1.3	205	32	2.2	0
23/12/2022 01:40	1.7	208	31	2.8	0
23/12/2022 01:50	2.2	195	23	3.6	0
23/12/2022 02:00	2.2	203	26	3.5	0
23/12/2022 02:10	1.8	183	38	3.2	0
23/12/2022 02:20	1.5	198	31	2.9	0
23/12/2022 02:30	2	193	20	3.1	0
23/12/2022 02:40	2.2	191	22	3.6	0
23/12/2022 02:50	2.6	194	15	3.8	0
23/12/2022 03:00	2.5	197	22	4.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/12/2022 03:10	2.9	201	21	4.4	0
23/12/2022 03:20	2.7	201	17	4.4	0
23/12/2022 03:30	2.7	202	21	4.4	0
23/12/2022 03:40	2.6	202	21	3.7	0
23/12/2022 03:50	2.3	189	17	3.2	0
23/12/2022 04:00	3	195	12	4.4	0
23/12/2022 04:10	3.4	193	13	4.7	0
23/12/2022 04:20	2.9	200	15	4.3	0
23/12/2022 04:30	2.9	202	16	4.4	0
23/12/2022 04:40	3.2	205	15	4.3	0
23/12/2022 04:50	2.9	200	17	4.7	0
23/12/2022 05:00	3	205	17	4.5	0
23/12/2022 05:10	3	209	16	4.2	0
23/12/2022 05:20	2.2	201	22	3.8	0
23/12/2022 05:30	2	201	24	3.1	0
23/12/2022 05:40	2	200	19	3.6	0
23/12/2022 05:50	2.4	203	17	3.7	0
23/12/2022 06:00	1.6	207	36	2.8	0
23/12/2022 06:10	1.9	206	22	2.8	0
23/12/2022 06:20	1.9	194	21	3.2	0
23/12/2022 06:30	1.3	248	31	2.1	0
23/12/2022 06:40	1.1	217	41	1.6	0
23/12/2022 06:50	1.7	175	17	2.6	0
23/12/2022 07:00	1.3	178	27	2	0
23/12/2022 07:10	1.6	190	21	2.7	0
23/12/2022 07:20	1.5	140	25	2.3	0
23/12/2022 07:30	1.2	122	40	2.6	0
23/12/2022 07:40	1.5	159	33	2.2	0
23/12/2022 07:50	1.2	86	28	1.9	0
23/12/2022 08:00	1.8	104	23	2.6	0
23/12/2022 08:10	1.4	129	39	2.1	0
23/12/2022 08:20	1.8	68	19	2.4	0
23/12/2022 08:30	2.3	47	17	2.8	0
23/12/2022 08:40	1.8	69	19	2.5	0
23/12/2022 08:50	2	84	22	2.8	0
23/12/2022 09:00	2	107	27	2.8	0
23/12/2022 09:10	1.7	72	24	2.8	0
23/12/2022 09:20	1.8	58	19	2.6	0
23/12/2022 09:30	2	55	22	2.8	0
23/12/2022 09:40	2.1	61	21	3.5	0
23/12/2022 09:50	2.4	59	17	3.2	0
23/12/2022 10:00	2.5	63	20	3.4	0
23/12/2022 10:10	2.3	65	19	3.2	0
23/12/2022 10:20	2.7	53	17	3.8	0
23/12/2022 10:30	2.1	55	22	3.2	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/12/2022 10:40	2.2	57	21	3	0
23/12/2022 10:50	2.5	62	17	3.6	0
23/12/2022 11:00	3.1	65	13	4.1	0
23/12/2022 11:10	3.1	57	14	4.3	0
23/12/2022 11:20	3.4	60	16	4.4	0
23/12/2022 11:30	3.3	62	16	4.3	0
23/12/2022 11:40	3.6	66	10	4.8	0
23/12/2022 11:50	4	60	11	5	0
23/12/2022 12:00	4.1	57	12	5.4	0
23/12/2022 12:10	4.4	59	11	5.5	0
23/12/2022 12:20	3.7	52	13	5.1	0
23/12/2022 12:30	3.6	26	22	5.5	0
23/12/2022 12:40	3.3	180	24	4.8	0
23/12/2022 12:50	3.7	186	23	5.3	0
23/12/2022 13:00	3.5	174	25	5.4	0
23/12/2022 13:10	4	185	18	6.2	0
23/12/2022 13:20	3.6	172	23	5.5	0
23/12/2022 13:30	4.5	331	15	6	0
23/12/2022 13:40	4.2	315	21	6.4	0
23/12/2022 13:50	4.1	313	24	6	0
23/12/2022 14:00	3.8	322	20	6.8	0
23/12/2022 14:10	4.3	325	17	6.9	0
23/12/2022 14:20	3.9	320	21	5.7	0
23/12/2022 14:30	4.4	330	21	6.5	0
23/12/2022 14:40	4.9	336	15	7.1	0
23/12/2022 14:50	4.5	327	15	6.7	0
23/12/2022 15:00	4.1	312	25	6.4	0
23/12/2022 15:10	4.6	285	19	7.2	0
23/12/2022 15:20	4.8	303	17	7.4	0
23/12/2022 15:30	4.8	316	20	7.1	0
23/12/2022 15:40	5.2	316	16	7.2	0
23/12/2022 15:50	5.4	326	14	7.9	0
23/12/2022 16:00	4.5	314	20	7.5	0
23/12/2022 16:10	4.4	306	21	6.7	0
23/12/2022 16:20	4.2	302	20	6.5	0
23/12/2022 16:30	4.9	317	19	7.4	0
23/12/2022 16:40	4.9	306	19	8.1	0
23/12/2022 16:50	5	309	19	7.3	0
23/12/2022 17:00	4.6	306	23	7.2	0
23/12/2022 17:10	4.4	300	15	6.8	0
23/12/2022 17:20	4	274	23	5.8	0
23/12/2022 17:30	4.5	281	25	7.2	0
23/12/2022 17:40	4.9	282	20	7.9	0
23/12/2022 17:50	3.9	275	25	6.6	0
23/12/2022 18:00	4	281	22	6.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/12/2022 18:10	4.1	270	21	6.4	0
23/12/2022 18:20	4.7	271	22	8	0
23/12/2022 18:30	4.6	272	22	6.8	0
23/12/2022 18:40	3.8	270	23	6.2	0
23/12/2022 18:50	3.5	263	21	5.2	0
23/12/2022 19:00	3.9	279	19	5.9	0
23/12/2022 19:10	3.7	273	20	5.9	0
23/12/2022 19:20	3.8	263	23	6.4	0
23/12/2022 19:30	3.2	255	32	6	0
23/12/2022 19:40	2.9	271	26	4.9	0
23/12/2022 19:50	3.1	266	25	5.3	0
23/12/2022 20:00	2.9	267	23	5.1	0
23/12/2022 20:10	3.1	267	23	4.4	0
23/12/2022 20:20	2.6	277	22	4.4	0
23/12/2022 20:30	3	268	27	4.8	0
23/12/2022 20:40	2.2	259	39	3.9	0
23/12/2022 20:50	2.4	269	39	4.6	0
23/12/2022 21:00	2.2	267	48	4.4	0
23/12/2022 21:10	2.8	276	34	5.2	0
23/12/2022 21:20	2.3	268	35	4.8	0
23/12/2022 21:30	2.4	264	33	4.8	0
23/12/2022 21:40	2.1	257	42	4	0
23/12/2022 21:50	2.1	232	33	3.4	0
23/12/2022 22:00	1.6	192	49	2.8	0
23/12/2022 22:10	2	242	42	3.9	0
23/12/2022 22:20	1.9	246	58	3.4	0
23/12/2022 22:30	1.8	233	56	3.5	0
23/12/2022 22:40	1.5	241	56	3	0
23/12/2022 22:50	1.6	203	56	3	0
23/12/2022 23:00	1.8	207	36	3.4	0
23/12/2022 23:10	1.6	195	44	3.1	0
23/12/2022 23:20	1.7	218	49	3.2	0
23/12/2022 23:30	1.8	199	44	3.2	0
23/12/2022 23:40	1.6	209	40	3.2	0
23/12/2022 23:50	2	202	43	4.4	0
24/12/2022 00:00	1.5	209	48	3.2	0
24/12/2022 00:10	2	239	44	4	0
24/12/2022 00:20	1.9	224	41	3.4	0
24/12/2022 00:30	2.1	207	37	4	0
24/12/2022 00:40	1.7	224	67	3.1	0
24/12/2022 00:50	1.3	262	74	3.2	0
24/12/2022 01:00	1.9	214	46	4.1	0
24/12/2022 01:10	2.3	211	40	4.1	0
24/12/2022 01:20	2.5	196	34	5.4	0
24/12/2022 01:30	2.7	205	26	4.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/12/2022 01:40	2.4	225	40	4.4	0
24/12/2022 01:50	2.5	214	33	4.7	0
24/12/2022 02:00	2.6	202	26	4.3	0
24/12/2022 02:10	2.4	209	31	4.3	0
24/12/2022 02:20	2.9	200	15	4.4	0
24/12/2022 02:30	2.6	200	16	4.2	0
24/12/2022 02:40	3	205	16	4.4	0
24/12/2022 02:50	3.1	202	12	4.4	0
24/12/2022 03:00	2.7	210	19	3.8	0
24/12/2022 03:10	1.8	215	33	3.7	0
24/12/2022 03:20	2.1	231	27	3.2	0
24/12/2022 03:30	1.5	274	26	2.4	0
24/12/2022 03:40	2	288	10	2.5	0
24/12/2022 03:50	1.7	284	9	2.2	0
24/12/2022 04:00	1.7	287	11	2.2	0
24/12/2022 04:10	1.7	281	14	2.3	0
24/12/2022 04:20	1.5	265	14	2.2	0
24/12/2022 04:30	1.6	265	15	2.4	0
24/12/2022 04:40	1.8	262	22	2.6	0
24/12/2022 04:50	1.3	214	36	1.9	0
24/12/2022 05:00	1	207	26	1.6	0
24/12/2022 05:10	1.3	222	27	2	0
24/12/2022 05:20	1	226	30	1.7	0
24/12/2022 05:30	1.4	220	26	2.5	0
24/12/2022 05:40	0.9	237	40	1.6	0
24/12/2022 05:50	1.2	241	43	2.1	0
24/12/2022 06:00	2.1	270	19	3.5	0
24/12/2022 06:10	1.7	276	24	2.9	0
24/12/2022 06:20	1.8	279	38	3.2	0
24/12/2022 06:30	2.2	271	28	3.4	0
24/12/2022 06:40	2.4	271	27	4.5	0
24/12/2022 06:50	2.7	264	27	4.5	0
24/12/2022 07:00	2.3	258	45	4.7	0
24/12/2022 07:10	2	249	42	4.7	0
24/12/2022 07:20	2	257	40	3.6	0
24/12/2022 07:30	2.4	260	39	4.2	0
24/12/2022 07:40	2.5	251	34	4.1	0
24/12/2022 07:50	2.2	248	32	4.2	0
24/12/2022 08:00	2.3	258	29	4.3	0
24/12/2022 08:10	3.3	274	22	5.1	0
24/12/2022 08:20	3.4	277	23	5.3	0
24/12/2022 08:30	3.9	288	21	6	0
24/12/2022 08:40	3.9	279	26	6.4	0
24/12/2022 08:50	4.2	282	24	6.4	0
24/12/2022 09:00	4	281	20	6.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/12/2022 09:10	4.1	284	20	6.3	0
24/12/2022 09:20	3.5	274	25	5.6	0
24/12/2022 09:30	3.6	275	20	5.6	0
24/12/2022 09:40	3.8	279	25	6.3	0
24/12/2022 09:50	3.9	286	24	6.2	0
24/12/2022 10:00	4.2	282	20	6.3	0
24/12/2022 10:10	4.1	289	23	6.4	0
24/12/2022 10:20	3.9	286	24	6.3	0
24/12/2022 10:30	4.2	290	24	6.2	0
24/12/2022 10:40	4.4	285	22	6.7	0
24/12/2022 10:50	4.3	276	21	6.1	0
24/12/2022 11:00	4.2	277	23	6.4	0
24/12/2022 11:10	4.3	283	23	6.8	0
24/12/2022 11:20	4.5	282	22	6.9	0
24/12/2022 11:30	4.1	273	25	6.1	0
24/12/2022 11:40	4.5	269	21	6.9	0
24/12/2022 11:50	4.7	273	23	7.2	0
24/12/2022 12:00	4.7	275	20	7.4	0
24/12/2022 12:10	4.1	271	25	6.3	0
24/12/2022 12:20	4.5	267	25	6.9	0
24/12/2022 12:30	5.1	269	22	7.5	0
24/12/2022 12:40	4.3	272	19	6.8	0
24/12/2022 12:50	4.6	268	18	7.5	0
24/12/2022 13:00	4.8	271	20	6.9	0
24/12/2022 13:10	4.5	267	24	7.5	0
24/12/2022 13:20	3.7	270	27	6	0
24/12/2022 13:30	4.2	270	22	6.6	0
24/12/2022 13:40	4.8	277	19	6.7	0
24/12/2022 13:50	4.4	274	19	6.4	0
24/12/2022 14:00	4.8	281	22	8	0
24/12/2022 14:10	4.8	275	24	7.1	0
24/12/2022 14:20	4.7	275	22	7	0
24/12/2022 14:30	4.2	274	19	6.8	0
24/12/2022 14:40	5	272	22	7.4	0
24/12/2022 14:50	4.7	280	23	7.1	0
24/12/2022 15:00	5	274	20	7.2	0
24/12/2022 15:10	4.9	274	21	7.2	0
24/12/2022 15:20	5.1	268	19	7.9	0
24/12/2022 15:30	5	272	20	7.2	0
24/12/2022 15:40	5.4	265	17	7.5	0
24/12/2022 15:50	5.5	268	19	8.2	0
24/12/2022 16:00	5.3	267	22	8.5	0
24/12/2022 16:10	5.2	268	23	8.3	0
24/12/2022 16:20	5.1	276	20	8.1	0
24/12/2022 16:30	5.2	271	24	7.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/12/2022 16:40	5	271	18	7.9	0
24/12/2022 16:50	5.4	274	19	7.4	0
24/12/2022 17:00	5.2	273	20	7.9	0
24/12/2022 17:10	4.7	273	25	7.5	0
24/12/2022 17:20	5.3	270	21	7.9	0
24/12/2022 17:30	4.8	274	20	8	0
24/12/2022 17:40	5.5	269	22	8.4	0
24/12/2022 17:50	5.3	270	21	8.3	0
24/12/2022 18:00	4.3	270	32	6.7	0
24/12/2022 18:10	5.1	267	28	7.9	0
24/12/2022 18:20	4.7	269	25	7.9	0
24/12/2022 18:30	5.1	274	24	8.3	0
24/12/2022 18:40	4.9	271	21	7.9	0
24/12/2022 18:50	5.1	273	23	8.1	0
24/12/2022 19:00	4.7	271	20	7.4	0
24/12/2022 19:10	4.6	272	18	6.8	0
24/12/2022 19:20	4.8	269	22	7.5	0
24/12/2022 19:30	4.3	269	27	7.9	0
24/12/2022 19:40	4.2	268	25	6.6	0
24/12/2022 19:50	3.9	270	29	6.9	0
24/12/2022 20:00	2.6	257	51	5.2	0
24/12/2022 20:10	3.9	275	25	6	0
24/12/2022 20:20	3.7	273	27	6.1	0
24/12/2022 20:30	3.2	270	34	5.6	0
24/12/2022 20:40	3.1	278	34	5.6	0
24/12/2022 20:50	3.4	272	34	5.7	0
24/12/2022 21:00	2.5	258	41	4.6	0
24/12/2022 21:10	2.6	261	39	5	0
24/12/2022 21:20	2.4	267	50	4.5	0
24/12/2022 21:30	2.7	269	44	4.8	0
24/12/2022 21:40	2.1	228	61	4.4	0
24/12/2022 21:50	2.2	248	52	4.8	0
24/12/2022 22:00	2.7	222	43	5.6	0
24/12/2022 22:10	2	250	49	3.6	0
24/12/2022 22:20	2	234	59	3.9	0
24/12/2022 22:30	2.1	197	47	3.9	0
24/12/2022 22:40	2.5	204	37	4.7	0
24/12/2022 22:50	3.2	208	33	5.6	0
24/12/2022 23:00	2.5	220	46	5	0
24/12/2022 23:10	2.1	217	42	4.2	0
24/12/2022 23:20	3.2	206	26	4.7	0
24/12/2022 23:30	2.5	217	39	4.4	0
24/12/2022 23:40	2.5	230	40	4.8	0
24/12/2022 23:50	2.1	250	35	4.6	0
25/12/2022 00:00	1.8	232	47	4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/12/2022 00:10	1.9	230	50	3.5	0
25/12/2022 00:20	1.7	204	54	4	0
25/12/2022 00:30	1.4	248	56	3.1	0
25/12/2022 00:40	1.5	274	70	3.8	0
25/12/2022 00:50	2	261	51	3.7	0
25/12/2022 01:00	2.2	265	26	4.4	0
25/12/2022 01:10	1.5	281	37	3.1	0
25/12/2022 01:20	1.8	281	31	2.8	0
25/12/2022 01:30	2	271	24	3.6	0
25/12/2022 01:40	1.8	233	54	3.9	0
25/12/2022 01:50	2	260	38	3.6	0
25/12/2022 02:00	1.7	284	63	4.2	0
25/12/2022 02:10	1.5	250	74	2.8	0
25/12/2022 02:20	2.4	261	36	5	0
25/12/2022 02:30	2.1	257	41	4.4	0
25/12/2022 02:40	2.2	247	42	3.8	0
25/12/2022 02:50	2.5	269	41	4.4	0
25/12/2022 03:00	2.4	254	40	4.8	0
25/12/2022 03:10	2.3	256	35	4.2	0
25/12/2022 03:20	2.2	267	37	3.9	0
25/12/2022 03:30	2.6	263	28	5.2	0
25/12/2022 03:40	2.3	255	38	4.2	0
25/12/2022 03:50	2.1	262	41	4.4	0
25/12/2022 04:00	2.3	262	33	4.6	0
25/12/2022 04:10	2.2	259	42	4.1	0
25/12/2022 04:20	1.7	258	63	3.2	0
25/12/2022 04:30	2	261	39	4	0
25/12/2022 04:40	2.1	240	54	4.4	0
25/12/2022 04:50	2.2	256	55	4.9	0
25/12/2022 05:00	2	236	47	4.4	0
25/12/2022 05:10	2	255	33	3.8	0
25/12/2022 05:20	2.5	256	27	4	0
25/12/2022 05:30	1.6	255	59	3.2	0
25/12/2022 05:40	1.4	203	53	3.2	0
25/12/2022 05:50	1.6	231	60	3	0
25/12/2022 06:00	1.6	248	53	3	0
25/12/2022 06:10	1.4	234	55	3.6	0
25/12/2022 06:20	1.9	257	39	3.6	0
25/12/2022 06:30	2.2	251	33	4.4	0
25/12/2022 06:40	1.9	253	53	4.6	0
25/12/2022 06:50	2.1	239	51	3.7	0
25/12/2022 07:00	2.4	250	49	4.7	0
25/12/2022 07:10	2.4	219	52	4.8	0
25/12/2022 07:20	2.7	239	44	4.7	0
25/12/2022 07:30	2.4	243	45	4.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/12/2022 07:40	2.6	245	52	4.5	0
25/12/2022 07:50	2.2	248	46	3.9	0
25/12/2022 08:00	2.4	254	51	4.4	0
25/12/2022 08:10	2	255	55	4.2	0
25/12/2022 08:20	3.2	269	31	5.6	0
25/12/2022 08:30	2.8	259	36	5.2	0
25/12/2022 08:40	2.8	262	34	5.4	0
25/12/2022 08:50	3.6	266	28	6.4	0
25/12/2022 09:00	3.9	269	29	6.7	0
25/12/2022 09:10	4.2	272	21	7	0
25/12/2022 09:20	4	271	26	6.8	0
25/12/2022 09:30	3.7	264	25	6	0
25/12/2022 09:40	4.2	275	21	6.6	0
25/12/2022 09:50	4.3	285	23	7.1	0
25/12/2022 10:00	4.4	278	23	7.6	0
25/12/2022 10:10	4.5	274	22	7.4	0
25/12/2022 10:20	4.8	279	24	7.6	0
25/12/2022 10:30	4.8	279	22	8.3	0
25/12/2022 10:40	4.3	279	24	7.3	0
25/12/2022 10:50	4.5	277	24	7.8	0
25/12/2022 11:00	4.8	273	25	7.7	0
25/12/2022 11:10	5.2	278	20	7.7	0
25/12/2022 11:20	5.1	272	22	8.4	0
25/12/2022 11:30	5.4	272	20	8.1	0
25/12/2022 11:40	4.7	274	20	7.4	0
25/12/2022 11:50	5.3	273	26	8.6	0
25/12/2022 12:00	5.1	270	22	7.6	0
25/12/2022 12:10	4.6	270	23	7.8	0
25/12/2022 12:20	5.1	268	23	8	0
25/12/2022 12:30	4.7	268	25	7.4	0
25/12/2022 12:40	5	266	22	7.5	0
25/12/2022 12:50	4.5	261	32	7.9	0
25/12/2022 13:00	5	273	20	7.9	0
25/12/2022 13:10	5.4	274	19	7.9	0
25/12/2022 13:20	5.7	268	21	8.3	0
25/12/2022 13:30	5.5	269	18	8.1	0
25/12/2022 13:40	4.9	271	24	7.9	0
25/12/2022 13:50	5.1	266	20	7.3	0
25/12/2022 14:00	5.1	282	20	8.3	0
25/12/2022 14:10	6	292	20	9.5	0
25/12/2022 14:20	5.9	293	21	9.1	0
25/12/2022 14:30	5.2	289	21	8	0
25/12/2022 14:40	5.3	285	25	8.3	0
25/12/2022 14:50	5.5	291	20	8.7	0
25/12/2022 15:00	5.1	280	23	8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/12/2022 15:10	5.3	271	23	8.5	0
25/12/2022 15:20	5.4	270	23	8.3	0
25/12/2022 15:30	5.4	273	20	8.5	0
25/12/2022 15:40	5.5	277	20	8.6	0
25/12/2022 15:50	5.3	279	18	8.7	0
25/12/2022 16:00	5.2	283	17	7.7	0
25/12/2022 16:10	5.5	283	21	8.6	0
25/12/2022 16:20	4.6	268	27	6.6	0
25/12/2022 16:30	4.3	269	24	7.4	0
25/12/2022 16:40	4.6	269	22	8.1	0
25/12/2022 16:50	5.1	265	23	7.5	0
25/12/2022 17:00	4.9	276	26	8	0
25/12/2022 17:10	4.5	272	25	6.8	0
25/12/2022 17:20	4.9	270	17	7.2	0
25/12/2022 17:30	4.9	276	17	7.9	0
25/12/2022 17:40	3.7	270	30	6.1	0
25/12/2022 17:50	4.3	273	24	7.1	0
25/12/2022 18:00	3.9	275	31	7.3	0
25/12/2022 18:10	4.7	271	21	7.5	0
25/12/2022 18:20	4.8	271	23	8	0
25/12/2022 18:30	4.5	270	28	7.1	0
25/12/2022 18:40	4.7	270	26	7.2	0
25/12/2022 18:50	4.8	268	31	7	0
25/12/2022 19:00	4.7	268	27	8	0
25/12/2022 19:10	4.3	271	26	7.2	0
25/12/2022 19:20	3.4	263	39	6	0
25/12/2022 19:30	3.5	263	38	6.1	0
25/12/2022 19:40	3.7	267	23	6.4	0
25/12/2022 19:50	2.7	261	53	4.8	0
25/12/2022 20:00	3.5	271	29	6.3	0
25/12/2022 20:10	3.1	268	43	5.3	0
25/12/2022 20:20	3.2	277	25	5.2	0
25/12/2022 20:30	3	261	42	5.4	0
25/12/2022 20:40	3.1	267	43	6.2	0
25/12/2022 20:50	3.1	255	37	5.1	0
25/12/2022 21:00	3.1	268	39	5.8	0
25/12/2022 21:10	1.8	251	65	3.6	0
25/12/2022 21:20	2.6	255	49	4.5	0
25/12/2022 21:30	3	243	35	5.6	0
25/12/2022 21:40	2.6	266	39	5.7	0
25/12/2022 21:50	2.6	261	39	4.7	0
25/12/2022 22:00	3	251	34	5.1	0
25/12/2022 22:10	2.5	263	38	4.9	0
25/12/2022 22:20	2	264	50	4	0
25/12/2022 22:30	2.6	258	38	5.4	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/12/2022 22:40	2.6	261	44	5.5	0
25/12/2022 22:50	2.3	252	44	4.3	0
25/12/2022 23:00	3.2	257	36	6	0
25/12/2022 23:10	2.8	272	40	5.4	0
25/12/2022 23:20	2.4	260	43	4.8	0
25/12/2022 23:30	2.1	256	49	4.4	0
25/12/2022 23:40	2	223	49	3.7	0
25/12/2022 23:50	2.3	247	34	3.8	0
26/12/2022 00:00	2.3	234	43	4.1	0
26/12/2022 00:10	2.2	244	45	4.4	0
26/12/2022 00:20	2.2	270	37	4.3	0
26/12/2022 00:30	1.5	215	85	3.1	0
26/12/2022 00:40	1.9	266	61	3.3	0
26/12/2022 00:50	2.3	253	38	4.6	0
26/12/2022 01:00	2.3	256	42	4	0
26/12/2022 01:10	2	243	60	4.1	0
26/12/2022 01:20	2.1	245	48	3.9	0
26/12/2022 01:30	2.1	258	45	4	0
26/12/2022 01:40	2.7	258	37	5.6	0
26/12/2022 01:50	2.2	249	38	4.8	0
26/12/2022 02:00	2.5	257	37	4.5	0
26/12/2022 02:10	2.3	245	47	4.2	0
26/12/2022 02:20	2.2	248	48	4	0
26/12/2022 02:30	2.2	253	35	4	0
26/12/2022 02:40	2.1	263	37	3.7	0
26/12/2022 02:50	2	264	43	4.1	0
26/12/2022 03:00	1.8	247	59	3.4	0
26/12/2022 03:10	2.5	250	41	4.4	0
26/12/2022 03:20	2.2	232	49	4.4	0
26/12/2022 03:30	2	272	51	3.9	0
26/12/2022 03:40	2.3	257	48	5	0
26/12/2022 03:50	2.8	272	41	4.8	0
26/12/2022 04:00	2.3	267	42	4.3	0
26/12/2022 04:10	3.7	269	29	6.6	0
26/12/2022 04:20	3.2	271	39	6.2	0
26/12/2022 04:30	3	264	38	5.4	0
26/12/2022 04:40	3.7	273	22	5.7	0
26/12/2022 04:50	3.4	272	24	5.1	0
26/12/2022 05:00	3.5	283	19	5.4	0
26/12/2022 05:10	3.3	284	21	5.3	0
26/12/2022 05:20	3.1	273	27	5.5	0
26/12/2022 05:30	3.3	266	26	5.3	0
26/12/2022 05:40	3.2	268	25	5.6	0
26/12/2022 05:50	3.3	268	35	5.3	0
26/12/2022 06:00	2.6	259	52	4.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/12/2022 06:10	3.3	269	36	5.6	0
26/12/2022 06:20	2.7	269	37	4.4	0
26/12/2022 06:30	2.4	263	41	4.4	0
26/12/2022 06:40	2.7	271	28	4.8	0
26/12/2022 06:50	2.1	251	49	4.2	0
26/12/2022 07:00	2.2	273	44	4	0
26/12/2022 07:10	2.3	264	40	4	0
26/12/2022 07:20	2.7	274	29	5.1	0
26/12/2022 07:30	2.9	273	35	6	0
26/12/2022 07:40	2.7	270	44	4.8	0
26/12/2022 07:50	2.9	258	31	5.3	0
26/12/2022 08:00	3.5	278	20	5.1	0
26/12/2022 08:10	3.6	269	23	5.6	0
26/12/2022 08:20	3.2	280	22	4.7	0
26/12/2022 08:30	3.8	276	21	5.9	0
26/12/2022 08:40	3.8	271	23	6.4	0
26/12/2022 08:50	3.9	281	21	6.1	0
26/12/2022 09:00	3.9	272	23	5.9	0
26/12/2022 09:10	3.5	273	24	6.4	0
26/12/2022 09:20	4.5	293	21	6.8	0
26/12/2022 09:30	4.1	283	23	7.1	0
26/12/2022 09:40	3.7	279	29	5.9	0
26/12/2022 09:50	3.9	276	24	6.2	0
26/12/2022 10:00	4.5	277	17	6.6	0
26/12/2022 10:10	4.4	277	19	6.5	0
26/12/2022 10:20	4.2	276	22	6.7	0
26/12/2022 10:30	4.2	270	20	6.4	0
26/12/2022 10:40	4.6	268	18	6.9	0
26/12/2022 10:50	4.5	271	19	6.9	0
26/12/2022 11:00	4.4	277	23	7.2	0
26/12/2022 11:10	4.8	272	20	7.5	0
26/12/2022 11:20	4.3	270	21	6.8	0
26/12/2022 11:30	4.9	268	23	7.5	0
26/12/2022 11:40	4.7	292	23	7.9	0
26/12/2022 11:50	4.3	291	26	6.7	0
26/12/2022 12:00	5.3	295	21	8.5	0
26/12/2022 12:10	5.3	300	19	8.1	0
26/12/2022 12:20	4.8	285	25	7.2	0
26/12/2022 12:30	4.7	281	23	7.4	0
26/12/2022 12:40	4.6	280	28	7.1	0
26/12/2022 12:50	4.6	285	23	7.1	0
26/12/2022 13:00	4.5	277	20	6.6	0
26/12/2022 13:10	4.4	270	24	6.9	0
26/12/2022 13:20	4.5	275	20	6.8	0
26/12/2022 13:30	5	304	20	7.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/12/2022 13:40	5.6	302	19	9.1	0
26/12/2022 13:50	5.5	296	24	8.3	0
26/12/2022 14:00	5	304	22	7.9	0
26/12/2022 14:10	5.2	304	22	7.5	0
26/12/2022 14:20	5.1	298	21	8	0
26/12/2022 14:30	5.8	299	19	9.4	0
26/12/2022 14:40	5.1	293	26	8.5	0
26/12/2022 14:50	5.1	299	19	8.1	0
26/12/2022 15:00	5.2	302	22	8.4	0
26/12/2022 15:10	5.5	297	19	7.9	0
26/12/2022 15:20	5.2	295	20	7.6	0
26/12/2022 15:30	6.2	299	18	8.9	0
26/12/2022 15:40	5.8	296	19	8.7	0
26/12/2022 15:50	5.5	296	19	8.2	0
26/12/2022 16:00	5.2	295	21	7.7	0
26/12/2022 16:10	5.4	294	20	7.9	0
26/12/2022 16:20	4.9	293	22	8.4	0
26/12/2022 16:30	4.9	291	26	7.4	0
26/12/2022 16:40	5.8	300	20	9.1	0
26/12/2022 16:50	5.9	299	18	8.7	0
26/12/2022 17:00	4.4	283	23	6.7	0
26/12/2022 17:10	4.8	285	23	7.2	0
26/12/2022 17:20	4.4	281	25	6.9	0
26/12/2022 17:30	4.3	270	25	6.8	0
26/12/2022 17:40	4.1	274	21	6.7	0
26/12/2022 17:50	4.4	272	21	6.8	0
26/12/2022 18:00	4.4	269	19	6.8	0
26/12/2022 18:10	4.2	275	19	6.6	0
26/12/2022 18:20	3.6	271	26	5.6	0
26/12/2022 18:30	4	265	22	6	0
26/12/2022 18:40	3.5	259	41	6.3	0
26/12/2022 18:50	3.2	257	39	6.4	0
26/12/2022 19:00	3.4	264	32	5.9	0
26/12/2022 19:10	3.3	268	28	5.7	0
26/12/2022 19:20	3.6	268	23	6	0
26/12/2022 19:30	3.6	271	23	6.1	0
26/12/2022 19:40	3.7	271	20	6.1	0
26/12/2022 19:50	4	270	19	6.6	0
26/12/2022 20:00	3.6	273	25	6	0
26/12/2022 20:10	2.9	257	39	5.4	0
26/12/2022 20:20	3.3	271	22	4.9	0
26/12/2022 20:30	2.7	277	44	4.5	0
26/12/2022 20:40	2.8	267	23	4.4	0
26/12/2022 20:50	3	268	19	5	0
26/12/2022 21:00	3.1	288	23	5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/12/2022 21:10	3.4	274	22	5.4	0
26/12/2022 21:20	3.7	274	24	5.8	0
26/12/2022 21:30	3.7	285	22	5.8	0
26/12/2022 21:40	3.5	283	21	5.6	0
26/12/2022 21:50	3.3	278	24	5.6	0
26/12/2022 22:00	3.7	284	23	6.2	0
26/12/2022 22:10	2.8	263	36	4.5	0
26/12/2022 22:20	3	260	29	5	0
26/12/2022 22:30	3.3	267	21	5.5	0
26/12/2022 22:40	3.3	268	31	5.2	0
26/12/2022 22:50	3.1	275	24	5.5	0
26/12/2022 23:00	3.3	273	24	5.5	0
26/12/2022 23:10	3.1	271	26	5.3	0
26/12/2022 23:20	3	266	32	5.2	0
26/12/2022 23:30	2.4	276	29	3.9	0
26/12/2022 23:40	2.3	267	33	4	0
26/12/2022 23:50	2.3	267	30	3.7	0
27/12/2022 00:00	2.1	283	25	3.8	0
27/12/2022 00:10	2.2	272	26	3.8	0
27/12/2022 00:20	1.8	256	44	3.5	0
27/12/2022 00:30	2.5	275	27	4	0
27/12/2022 00:40	2.4	270	23	3.9	0
27/12/2022 00:50	2.5	276	22	4	0
27/12/2022 01:00	2.3	278	22	3.6	0
27/12/2022 01:10	2.3	282	20	4.4	0
27/12/2022 01:20	2.5	287	26	4.1	0
27/12/2022 01:30	2.4	271	29	4	0
27/12/2022 01:40	2.4	280	19	3.6	0
27/12/2022 01:50	2.3	278	24	4	0
27/12/2022 02:00	2.1	288	25	3.7	0
27/12/2022 02:10	2.5	285	21	3.9	0
27/12/2022 02:20	2.4	284	23	4.3	0
27/12/2022 02:30	2.7	298	21	4.6	0
27/12/2022 02:40	2.2	287	25	3.8	0
27/12/2022 02:50	2.4	279	19	3.6	0
27/12/2022 03:00	2.4	282	24	4	0
27/12/2022 03:10	2.2	278	25	3.6	0
27/12/2022 03:20	2.5	288	21	4	0
27/12/2022 03:30	2.3	286	24	3.7	0
27/12/2022 03:40	2.7	278	24	4.6	0
27/12/2022 03:50	2.5	284	17	3.7	0
27/12/2022 04:00	2.3	280	24	3.6	0
27/12/2022 04:10	1.9	271	27	3	0
27/12/2022 04:20	2.3	286	25	3.8	0
27/12/2022 04:30	2.1	272	29	3.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/12/2022 04:40	2.6	302	23	4	0
27/12/2022 04:50	2.8	299	21	4.4	0
27/12/2022 05:00	2.4	280	21	3.7	0
27/12/2022 05:10	2.7	275	20	4.3	0
27/12/2022 05:20	2.4	280	19	3.5	0
27/12/2022 05:30	2.7	285	21	4.4	0
27/12/2022 05:40	2.7	267	24	4.3	0
27/12/2022 05:50	2.5	266	23	4	0
27/12/2022 06:00	2.8	283	23	4.4	0
27/12/2022 06:10	2.5	275	21	4	0
27/12/2022 06:20	2.1	263	41	4	0
27/12/2022 06:30	2	265	30	3.2	0
27/12/2022 06:40	2.1	271	23	3.4	0
27/12/2022 06:50	2.1	271	21	3.6	0
27/12/2022 07:00	1.9	266	34	3.6	0
27/12/2022 07:10	2	254	28	3.7	0
27/12/2022 07:20	1.7	235	38	2.8	0
27/12/2022 07:30	2.3	279	20	3.5	0
27/12/2022 07:40	2.4	264	38	4.3	0
27/12/2022 07:50	2.7	272	21	4.2	0
27/12/2022 08:00	2.8	280	24	5.1	0
27/12/2022 08:10	2.4	276	24	4	0
27/12/2022 08:20	2.3	262	31	3.8	0
27/12/2022 08:30	2.6	298	29	4	0
27/12/2022 08:40	2.3	292	30	3.6	0
27/12/2022 08:50	2.7	302	26	4.2	0
27/12/2022 09:00	2.1	288	33	3.8	0
27/12/2022 09:10	2.5	295	23	3.9	0
27/12/2022 09:20	2.2	269	28	4	0
27/12/2022 09:30	2.6	307	34	4.6	0
27/12/2022 09:40	2.9	306	22	4.4	0
27/12/2022 09:50	3.5	323	19	5.6	0
27/12/2022 10:00	4	338	15	5.6	0
27/12/2022 10:10	4.1	331	15	5.5	0
27/12/2022 10:20	3.9	325	16	5.5	0
27/12/2022 10:30	3.7	330	19	6.3	0
27/12/2022 10:40	3.2	314	28	5.2	0
27/12/2022 10:50	3.7	323	16	5.2	0
27/12/2022 11:00	3.6	319	23	5.5	0
27/12/2022 11:10	4	324	15	5.6	0
27/12/2022 11:20	3.1	312	25	5.2	0
27/12/2022 11:30	3.6	299	29	5.8	0
27/12/2022 11:40	3.1	290	27	5.6	0
27/12/2022 11:50	3.3	273	29	5	0
27/12/2022 12:00	3.1	285	24	4.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/12/2022 12:10	3.3	291	28	6	0
27/12/2022 12:20	3.4	314	23	5.2	0
27/12/2022 12:30	4.1	317	22	6.1	0
27/12/2022 12:40	4.3	325	16	6.1	0
27/12/2022 12:50	4.4	329	15	6.6	0
27/12/2022 13:00	3.9	320	19	5.5	0
27/12/2022 13:10	4.4	322	16	6.6	0
27/12/2022 13:20	3.8	319	20	5.6	0
27/12/2022 13:30	4.8	328	13	6.4	0
27/12/2022 13:40	4.8	335	14	6.8	0
27/12/2022 13:50	5.1	327	13	7	0
27/12/2022 14:00	4.9	328	14	6.8	0
27/12/2022 14:10	4.8	324	13	7.3	0
27/12/2022 14:20	3.7	307	22	5.9	0
27/12/2022 14:30	3.9	283	23	5.6	0
27/12/2022 14:40	4.1	287	26	6.7	0
27/12/2022 14:50	3.7	289	23	5.6	0
27/12/2022 15:00	3.8	300	26	5.6	0
27/12/2022 15:10	4	298	24	6.5	0
27/12/2022 15:20	3.9	300	21	6.1	0
27/12/2022 15:30	4.6	320	16	6.9	0
27/12/2022 15:40	4.8	327	13	6.9	0
27/12/2022 15:50	4.2	306	25	6.8	0
27/12/2022 16:00	3.6	288	22	5.5	0
27/12/2022 16:10	4.1	314	19	6	0
27/12/2022 16:20	3.7	307	23	6	0
27/12/2022 16:30	4.7	309	20	7.2	0
27/12/2022 16:40	4.7	308	18	6.9	0
27/12/2022 16:50	3.7	310	19	5.6	0
27/12/2022 17:00	3.6	287	22	5	0
27/12/2022 17:10	3.1	275	21	4.5	0
27/12/2022 17:20	3.1	295	26	5.8	0
27/12/2022 17:30	3.7	301	25	6.4	0
27/12/2022 17:40	4.3	303	23	6.4	0
27/12/2022 17:50	4.1	305	20	7	0
27/12/2022 18:00	4.7	299	17	7.5	0
27/12/2022 18:10	4.2	295	21	6.7	0
27/12/2022 18:20	4.2	292	20	6.4	0
27/12/2022 18:30	3.8	282	24	6.4	0
27/12/2022 18:40	3.3	276	29	6.1	0
27/12/2022 18:50	3.9	267	19	6.2	0
27/12/2022 19:00	3.4	276	19	5.5	0
27/12/2022 19:10	4.5	217	38	7.8	0
27/12/2022 19:20	3.2	203	38	5.9	0
27/12/2022 19:30	2	249	41	4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/12/2022 19:40	3.2	220	31	5.1	0
27/12/2022 19:50	2.3	282	19	3.8	0
27/12/2022 20:00	3.1	299	19	4.9	0
27/12/2022 20:10	2.9	291	23	4.4	0
27/12/2022 20:20	2.7	291	24	4.4	0
27/12/2022 20:30	3.1	280	18	4.5	0
27/12/2022 20:40	3	272	20	4.4	0
27/12/2022 20:50	2.7	277	22	4.2	0
27/12/2022 21:00	3.1	282	16	4.7	0
27/12/2022 21:10	3.3	279	18	4.6	0
27/12/2022 21:20	3.3	285	21	5	0
27/12/2022 21:30	3	285	20	4.7	0
27/12/2022 21:40	2.9	282	28	4.4	0
27/12/2022 21:50	2.7	276	22	4.2	0
27/12/2022 22:00	2.5	276	28	3.7	0
27/12/2022 22:10	2.5	286	24	3.9	0
27/12/2022 22:20	2.7	283	20	4.1	0
27/12/2022 22:30	2.7	288	23	4	0
27/12/2022 22:40	3.1	286	23	4.5	0
27/12/2022 22:50	2.8	277	24	4	0
27/12/2022 23:00	3	270	20	4.7	0
27/12/2022 23:10	2.9	280	20	4.4	0
27/12/2022 23:20	2.7	286	24	4.4	0
27/12/2022 23:30	2.7	276	19	4.1	0
27/12/2022 23:40	2.9	281	20	5.1	0
27/12/2022 23:50	2.9	288	24	4.8	0
28/12/2022 00:00	2.8	294	23	4.1	0
28/12/2022 00:10	2.6	283	21	4	0
28/12/2022 00:20	2.9	279	15	4.8	0
28/12/2022 00:30	2.5	276	22	4.1	0
28/12/2022 00:40	2.6	285	21	3.7	0
28/12/2022 00:50	2.7	274	22	4.5	0
28/12/2022 01:00	2.7	284	22	4.5	0
28/12/2022 01:10	3.3	281	20	5	0
28/12/2022 01:20	3.4	288	21	5.5	0
28/12/2022 01:30	3.3	277	22	5.3	0
28/12/2022 01:40	3.3	290	22	5.8	0
28/12/2022 01:50	3.7	282	20	6.4	0
28/12/2022 02:00	3.2	276	21	5.2	0
28/12/2022 02:10	3	272	22	4.8	0
28/12/2022 02:20	3.1	271	23	4.8	0
28/12/2022 02:30	2.7	273	22	4.5	0
28/12/2022 02:40	2.9	273	18	4.4	0
28/12/2022 02:50	2.8	271	26	4.4	0
28/12/2022 03:00	2.7	271	31	4.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/12/2022 03:10	3	271	23	4.8	0
28/12/2022 03:20	2.8	266	25	4.5	0
28/12/2022 03:30	1.8	242	53	3.6	0
28/12/2022 03:40	1.8	244	54	3.7	0
28/12/2022 03:50	2.4	264	36	4.1	0
28/12/2022 04:00	1.7	259	62	4	0
28/12/2022 04:10	2.5	268	31	3.9	0
28/12/2022 04:20	1.2	287	48	2	0
28/12/2022 04:30	1.6	229	35	3.2	0
28/12/2022 04:40	1.8	132	24	2.8	0
28/12/2022 04:50	1.3	172	43	2	0
28/12/2022 05:00	1.7	33	11	2.3	0
28/12/2022 05:10	2	8	13	2.9	0
28/12/2022 05:20	1.7	8	15	2.5	0
28/12/2022 05:30	2.4	22	15	3.6	0
28/12/2022 05:40	2.3	31	13	3.3	0
28/12/2022 05:50	2	5	12	2.8	0
28/12/2022 06:00	2	352	12	2.5	0
28/12/2022 06:10	2.3	345	15	3.4	0
28/12/2022 06:20	3.1	356	12	3.9	0
28/12/2022 06:30	3	350	14	3.9	0
28/12/2022 06:40	2.7	339	14	3.8	0
28/12/2022 06:50	3.2	342	17	4.6	0
28/12/2022 07:00	3	341	15	4.3	0
28/12/2022 07:10	2.8	337	14	3.9	0
28/12/2022 07:20	2.5	333	16	3.6	0
28/12/2022 07:30	2.2	355	16	3.2	0
28/12/2022 07:40	2.6	173	15	3.6	0
28/12/2022 07:50	2.2	333	20	3.1	0
28/12/2022 08:00	2.3	3	14	3.2	0
28/12/2022 08:10	1.8	333	27	2.8	0
28/12/2022 08:20	1.9	178	24	3	0
28/12/2022 08:30	1.5	37	53	2.8	0
28/12/2022 08:40	1.3	241	33	1.8	0
28/12/2022 08:50	1.6	191	38	2.7	0
28/12/2022 09:00	1.8	200	50	3.2	0
28/12/2022 09:10	1.4	266	50	2.7	0
28/12/2022 09:20	2.1	316	32	2.9	0
28/12/2022 09:30	1.6	273	45	3.1	0
28/12/2022 09:40	1.9	176	64	3.6	0
28/12/2022 09:50	1.9	269	39	3.4	0
28/12/2022 10:00	2.2	286	36	3.9	0
28/12/2022 10:10	2.3	283	42	4	0
28/12/2022 10:20	2	282	29	3.3	0
28/12/2022 10:30	2	186	33	3.7	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/12/2022 10:40	2	26	39	3	0
28/12/2022 10:50	1.9	293	46	3.4	0
28/12/2022 11:00	2.5	306	24	4	0
28/12/2022 11:10	2.1	278	27	3.8	0
28/12/2022 11:20	1.5	330	58	2.8	0
28/12/2022 11:30	2.1	314	41	3.2	0
28/12/2022 11:40	1.6	309	62	3	0
28/12/2022 11:50	2.2	269	35	3.9	0
28/12/2022 12:00	2.9	276	29	4.4	0
28/12/2022 12:10	2.6	285	31	3.8	0
28/12/2022 12:20	2.5	283	32	4	0
28/12/2022 12:30	2.8	258	26	4.4	0
28/12/2022 12:40	3	296	26	4.8	0
28/12/2022 12:50	2.5	304	35	4.5	0
28/12/2022 13:00	2.8	325	23	4.8	0
28/12/2022 13:10	3.3	310	24	5	0
28/12/2022 13:20	3.1	290	31	4.4	0
28/12/2022 13:30	3.4	311	27	4.9	0
28/12/2022 13:40	3.8	325	14	5.6	0
28/12/2022 13:50	4.3	328	13	6	0
28/12/2022 14:00	4	319	16	5.6	0
28/12/2022 14:10	3.9	304	16	5.3	0
28/12/2022 14:20	3.7	304	18	5.6	0
28/12/2022 14:30	3.9	319	18	6.2	0
28/12/2022 14:40	3.6	314	21	5.5	0
28/12/2022 14:50	4	315	19	6.4	0
28/12/2022 15:00	5	328	12	6.5	0
28/12/2022 15:10	5.1	325	13	6.8	0
28/12/2022 15:20	4.9	324	14	6.8	0
28/12/2022 15:30	5	328	14	6.8	0
28/12/2022 15:40	5.3	331	15	7.1	0
28/12/2022 15:50	4.5	319	19	7.6	0
28/12/2022 16:00	4.4	321	16	6.5	0
28/12/2022 16:10	4.6	325	15	6.4	0
28/12/2022 16:20	4.7	326	15	6.2	0
28/12/2022 16:30	5.3	323	12	6.7	0
28/12/2022 16:40	4	310	22	6	0
28/12/2022 16:50	4.2	279	17	6.4	0
28/12/2022 17:00	3.7	288	24	6.4	0
28/12/2022 17:10	3.7	293	20	6.2	0
28/12/2022 17:20	3.7	270	26	5.6	0
28/12/2022 17:30	4	273	18	6.2	0
28/12/2022 17:40	3.8	276	22	6	0
28/12/2022 17:50	3.8	275	19	6	0
28/12/2022 18:00	3.6	272	23	5.8	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/12/2022 18:10	3.6	270	20	5.6	0
28/12/2022 18:20	3.6	274	19	5.4	0
28/12/2022 18:30	3.6	278	17	5.2	0
28/12/2022 18:40	3.4	275	20	5.1	0
28/12/2022 18:50	3.6	270	19	5.1	0
28/12/2022 19:00	3.1	269	20	4.9	0
28/12/2022 19:10	2.9	270	20	4.3	0
28/12/2022 19:20	2.2	288	23	3.5	0
28/12/2022 19:30	1.4	42	36	2.5	0
28/12/2022 19:40	2.7	114	20	4.1	0
28/12/2022 19:50	2.7	131	20	4.6	0
28/12/2022 20:00	3.6	113	29	6.8	0.1
28/12/2022 20:10	4.5	116	24	8.6	0
28/12/2022 20:20	3.7	109	25	6	0
28/12/2022 20:30	3.1	116	34	5.3	0
28/12/2022 20:40	3.4	125	30	6.3	0
28/12/2022 20:50	2.5	123	34	4.4	0.2
28/12/2022 21:00	2	109	25	3.2	0.3
28/12/2022 21:10	3.1	116	24	4.6	0
28/12/2022 21:20	2.6	120	28	4.9	0
28/12/2022 21:30	1.1	143	54	2.1	0
28/12/2022 21:40	1.2	113	31	2.3	0
28/12/2022 21:50	1.9	103	21	3	0
28/12/2022 22:00	1.6	80	17	2.6	0
28/12/2022 22:10	1.9	82	10	2.9	0
28/12/2022 22:20	1.4	88	18	2.2	0
28/12/2022 22:30	1	98	22	1.6	0
28/12/2022 22:40	1.1	28	17	1.6	0
28/12/2022 22:50	0.6	267	8	1.2	0
28/12/2022 23:00	0.9	267	20	1.3	0
28/12/2022 23:10	1.3	297	13	1.9	0
28/12/2022 23:20	1.6	218	24	2.1	0
28/12/2022 23:30	1.7	233	21	2.3	0
28/12/2022 23:40	1.7	271	17	2.4	0
28/12/2022 23:50	1.5	228	23	2.4	0
29/12/2022 00:00	1.8	252	19	2.5	0
29/12/2022 00:10	1.8	254	11	2.4	0
29/12/2022 00:20	1.2	280	24	1.8	0
29/12/2022 00:30	1.7	267	14	2.4	0
29/12/2022 00:40	1.9	236	23	2.9	0
29/12/2022 00:50	1.9	270	16	3.1	0
29/12/2022 01:00	1.9	268	17	3	0
29/12/2022 01:10	2.1	265	18	3.2	0
29/12/2022 01:20	1.9	256	27	3.2	0
29/12/2022 01:30	2	254	38	4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/12/2022 01:40	2.3	244	41	4.2	0
29/12/2022 01:50	1.9	273	39	3.6	0
29/12/2022 02:00	1.8	217	36	3.2	0
29/12/2022 02:10	2.7	203	22	4.5	0
29/12/2022 02:20	2.5	197	29	4.6	0
29/12/2022 02:30	2.2	200	24	3.6	0
29/12/2022 02:40	3	206	22	4.6	0
29/12/2022 02:50	2.5	210	34	4.8	0
29/12/2022 03:00	3.6	204	16	5.4	0
29/12/2022 03:10	2.8	208	22	3.9	0
29/12/2022 03:20	1.6	232	33	3.2	0
29/12/2022 03:30	1.7	259	31	2.9	0
29/12/2022 03:40	1.4	263	22	2.4	0
29/12/2022 03:50	1.4	266	28	2	0
29/12/2022 04:00	1.9	273	17	2.8	0
29/12/2022 04:10	1.5	269	20	2.4	0
29/12/2022 04:20	1.7	279	15	2.6	0
29/12/2022 04:30	1.7	284	20	2.6	0
29/12/2022 04:40	2.1	282	18	3.2	0
29/12/2022 04:50	2	267	19	3.2	0
29/12/2022 05:00	2.2	276	17	3.4	0
29/12/2022 05:10	2.2	280	18	3.3	0
29/12/2022 05:20	2.7	282	11	3.6	0
29/12/2022 05:30	2.3	278	16	3.4	0
29/12/2022 05:40	2	257	32	3.2	0
29/12/2022 05:50	1.6	268	44	2.8	0
29/12/2022 06:00	2.2	244	29	3.6	0
29/12/2022 06:10	1.6	254	43	2.8	0
29/12/2022 06:20	1.5	255	39	2.7	0
29/12/2022 06:30	1.6	262	29	2.7	0
29/12/2022 06:40	1.4	232	36	2.2	0
29/12/2022 06:50	1.9	251	27	3.3	0
29/12/2022 07:00	2	239	34	3.6	0
29/12/2022 07:10	2.2	222	28	3.4	0
29/12/2022 07:20	2.4	264	22	3.4	0
29/12/2022 07:30	2.1	269	17	2.9	0
29/12/2022 07:40	2	263	25	3.2	0
29/12/2022 07:50	2.1	268	18	2.9	0
29/12/2022 08:00	1.9	272	18	2.8	0
29/12/2022 08:10	2	265	24	2.8	0
29/12/2022 08:20	2	257	21	3.1	0
29/12/2022 08:30	1.7	245	24	3.1	0
29/12/2022 08:40	1.4	230	34	2.3	0
29/12/2022 08:50	1.5	251	38	2.4	0
29/12/2022 09:00	1.8	252	34	2.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/12/2022 09:10	1.4	199	27	2	0
29/12/2022 09:20	1.2	137	32	2.5	0
29/12/2022 09:30	1.2	125	31	2	0
29/12/2022 09:40	1.4	150	23	2	0
29/12/2022 09:50	1.3	107	24	2.3	0
29/12/2022 10:00	1.2	57	37	1.8	0
29/12/2022 10:10	1.3	74	38	2	0
29/12/2022 10:20	1.6	35	20	2.7	0
29/12/2022 10:30	1.7	33	27	2.7	0
29/12/2022 10:40	1.4	25	25	3	0
29/12/2022 10:50	1.7	69	33	2.8	0
29/12/2022 11:00	2.2	38	12	3.2	0
29/12/2022 11:10	1.9	48	20	2.8	0
29/12/2022 11:20	1.8	48	33	2.8	0
29/12/2022 11:30	1.8	61	29	2.7	0
29/12/2022 11:40	1.8	58	26	2.8	0
29/12/2022 11:50	2.1	62	31	3	0
29/12/2022 12:00	2	49	32	3.3	0
29/12/2022 12:10	2.4	50	20	3.6	0
29/12/2022 12:20	3.5	48	12	4.6	0
29/12/2022 12:30	3.3	51	14	4.6	0
29/12/2022 12:40	3.2	47	15	4.5	0
29/12/2022 12:50	3.2	51	12	3.9	0
29/12/2022 13:00	3.2	50	10	3.8	0
29/12/2022 13:10	3	55	16	4	0
29/12/2022 13:20	2.8	61	12	3.5	0
29/12/2022 13:30	2.9	57	12	3.8	0
29/12/2022 13:40	2.3	61	14	3	0
29/12/2022 13:50	2.3	54	17	3	0
29/12/2022 14:00	1.7	45	31	2.6	0
29/12/2022 14:10	2.2	142	42	3.4	0
29/12/2022 14:20	2.4	285	23	4.1	0
29/12/2022 14:30	2.7	262	23	3.9	0
29/12/2022 14:40	2.6	310	28	4	0
29/12/2022 14:50	2.6	294	23	4.3	0
29/12/2022 15:00	2.6	315	22	4	0
29/12/2022 15:10	3.1	325	14	4.2	0
29/12/2022 15:20	3.2	337	13	4.4	0
29/12/2022 15:30	3.3	333	16	4.4	0
29/12/2022 15:40	3.1	320	15	4.8	0
29/12/2022 15:50	3.6	324	14	5.2	0
29/12/2022 16:00	3.7	317	19	5.4	0
29/12/2022 16:10	3.2	311	22	5.2	0
29/12/2022 16:20	3.4	306	16	5.1	0
29/12/2022 16:30	3	303	17	4.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/12/2022 16:40	2.7	301	21	4.7	0
29/12/2022 16:50	2.7	286	21	4.4	0
29/12/2022 17:00	2.8	285	19	4.7	0
29/12/2022 17:10	3	277	18	4.4	0
29/12/2022 17:20	3.2	290	18	5	0
29/12/2022 17:30	3.1	272	20	4.9	0
29/12/2022 17:40	3.7	279	20	5.3	0
29/12/2022 17:50	3.8	267	19	5.6	0
29/12/2022 18:00	3.6	267	22	5.4	0
29/12/2022 18:10	3.6	270	21	5.5	0
29/12/2022 18:20	3.4	272	22	5.1	0
29/12/2022 18:30	2.9	269	20	5.2	0
29/12/2022 18:40	3.3	273	17	4.8	0
29/12/2022 18:50	3.6	265	17	5.6	0
29/12/2022 19:00	3.1	271	22	4.6	0
29/12/2022 19:10	3.6	267	26	6.3	0
29/12/2022 19:20	3.5	278	22	5	0
29/12/2022 19:30	3.1	247	43	6.1	0
29/12/2022 19:40	3	256	42	6.2	0
29/12/2022 19:50	2.6	260	46	4.5	0
29/12/2022 20:00	2.6	266	43	5	0
29/12/2022 20:10	2.6	271	41	4.5	0
29/12/2022 20:20	3.1	257	33	5	0
29/12/2022 20:30	2.6	255	51	4.8	0
29/12/2022 20:40	2.4	247	42	4.6	0
29/12/2022 20:50	2.4	246	40	4.3	0
29/12/2022 21:00	2.2	257	48	5.2	0
29/12/2022 21:10	1.8	221	53	3.6	0
29/12/2022 21:20	2.1	254	56	4.4	0
29/12/2022 21:30	1.9	235	61	3.2	0
29/12/2022 21:40	2.5	264	35	4.4	0
29/12/2022 21:50	2.3	243	42	5.1	0
29/12/2022 22:00	1.6	248	55	2.9	0
29/12/2022 22:10	2	254	47	3.8	0
29/12/2022 22:20	1.9	245	39	3.7	0
29/12/2022 22:30	1.6	260	48	3.8	0
29/12/2022 22:40	1.2	130	72	2.6	0
29/12/2022 22:50	2	262	29	3.8	0
29/12/2022 23:00	2.2	281	19	3.9	0
29/12/2022 23:10	2.5	277	19	4.2	0
29/12/2022 23:20	1.7	264	35	2.7	0
29/12/2022 23:30	1.7	276	26	2.8	0
29/12/2022 23:40	1.8	263	41	3.2	0
29/12/2022 23:50	1.2	254	64	2.9	0
30/12/2022 00:00	1.4	258	54	2.8	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/12/2022 00:10	1.2	286	45	2.9	0
30/12/2022 00:20	2	274	30	3.3	0
30/12/2022 00:30	2.5	275	24	3.7	0
30/12/2022 00:40	2.1	270	38	4	0
30/12/2022 00:50	2.5	276	25	4.2	0
30/12/2022 01:00	2.1	260	40	3.9	0
30/12/2022 01:10	2.3	280	36	4	0
30/12/2022 01:20	2.7	275	35	4.4	0
30/12/2022 01:30	2.4	279	48	4.5	0
30/12/2022 01:40	3.2	267	35	5.2	0
30/12/2022 01:50	2.3	251	55	5.1	0
30/12/2022 02:00	2	265	50	4.3	0
30/12/2022 02:10	2	257	44	3.5	0
30/12/2022 02:20	2	258	58	4.8	0
30/12/2022 02:30	2.2	237	49	4.4	0
30/12/2022 02:40	2.1	237	62	4.8	0
30/12/2022 02:50	2.4	247	53	4.5	0
30/12/2022 03:00	2.7	250	39	5	0
30/12/2022 03:10	1.4	229	57	2.7	0
30/12/2022 03:20	1.5	244	64	3.3	0
30/12/2022 03:30	1.8	251	58	4	0
30/12/2022 03:40	1.9	254	52	3.9	0
30/12/2022 03:50	1.9	254	51	4	0
30/12/2022 04:00	2	262	48	3.6	0
30/12/2022 04:10	1.5	266	66	3.2	0
30/12/2022 04:20	1.8	245	64	4	0
30/12/2022 04:30	1.7	233	65	3.2	0
30/12/2022 04:40	2.3	240	39	4.2	0
30/12/2022 04:50	2.3	256	39	4	0
30/12/2022 05:00	1.6	264	68	3.8	0
30/12/2022 05:10	2	254	39	4.1	0
30/12/2022 05:20	1.8	264	45	3.4	0
30/12/2022 05:30	1.8	269	41	3.3	0
30/12/2022 05:40	1.2	242	65	2.6	0
30/12/2022 05:50	1.1	268	59	2	0
30/12/2022 06:00	1.5	271	45	2.6	0
30/12/2022 06:10	1.8	260	36	3.2	0
30/12/2022 06:20	2	253	28	3.6	0
30/12/2022 06:30	1.8	259	38	3.5	0
30/12/2022 06:40	1.8	256	42	3.2	0
30/12/2022 06:50	1.9	241	39	3.3	0
30/12/2022 07:00	1.5	244	53	2.8	0
30/12/2022 07:10	1.6	253	34	3.6	0
30/12/2022 07:20	1.9	248	33	3.1	0
30/12/2022 07:30	1.5	242	36	2.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/12/2022 07:40	2.3	225	30	4	0
30/12/2022 07:50	2	227	33	3.4	0
30/12/2022 08:00	2.4	242	25	3.6	0
30/12/2022 08:10	2.6	217	25	4.5	0
30/12/2022 08:20	2.9	240	18	4.4	0
30/12/2022 08:30	2.7	229	23	4	0
30/12/2022 08:40	2.7	218	25	4.1	0
30/12/2022 08:50	2.5	208	19	4.2	0
30/12/2022 09:00	2.8	214	21	4	0
30/12/2022 09:10	2.6	212	21	3.9	0
30/12/2022 09:20	2.2	213	27	3.7	0
30/12/2022 09:30	1.9	175	38	2.8	0
30/12/2022 09:40	1.7	190	38	3.3	0
30/12/2022 09:50	1.4	164	41	2.5	0
30/12/2022 10:00	1.7	141	38	2.9	0
30/12/2022 10:10	2	159	29	3.2	0
30/12/2022 10:20	2.1	84	29	3	0
30/12/2022 10:30	2.1	49	26	3.1	0
30/12/2022 10:40	2	55	25	3.2	0
30/12/2022 10:50	2.3	51	21	3.4	0
30/12/2022 11:00	2.6	44	18	4	0
30/12/2022 11:10	3.4	43	12	4.8	0
30/12/2022 11:20	3.3	47	14	4.5	0
30/12/2022 11:30	3.3	44	16	4.5	0
30/12/2022 11:40	3.1	44	17	4.3	0
30/12/2022 11:50	3.3	42	15	4.7	0
30/12/2022 12:00	4	39	12	5.2	0
30/12/2022 12:10	3.8	38	14	5	0
30/12/2022 12:20	4	44	13	5.2	0
30/12/2022 12:30	4	46	11	5.2	0
30/12/2022 12:40	4	43	13	5.1	0
30/12/2022 12:50	4.4	41	17	6.5	0
30/12/2022 13:00	3.3	97	62	5.6	0
30/12/2022 13:10	3.4	175	40	5.9	0
30/12/2022 13:20	3.6	352	19	5.6	0
30/12/2022 13:30	3.1	337	25	5.4	0
30/12/2022 13:40	3.6	342	19	5.6	0
30/12/2022 13:50	4.1	337	19	6.6	0
30/12/2022 14:00	4.2	335	17	6.2	0
30/12/2022 14:10	3.7	334	17	5.2	0
30/12/2022 14:20	3.6	296	28	5.4	0
30/12/2022 14:30	3.4	300	27	5.5	0
30/12/2022 14:40	3.7	282	25	5.6	0
30/12/2022 14:50	3.2	262	25	5.6	0
30/12/2022 15:00	4.2	267	17	6.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/12/2022 15:10	3.9	267	20	5.9	0
30/12/2022 15:20	3.8	262	22	5.6	0
30/12/2022 15:30	3.6	272	22	5.6	0
30/12/2022 15:40	3.6	290	26	6	0
30/12/2022 15:50	3.8	277	26	6.1	0
30/12/2022 16:00	4	279	21	6.8	0
30/12/2022 16:10	4.1	269	22	6.2	0
30/12/2022 16:20	4.2	272	25	5.9	0
30/12/2022 16:30	4.1	278	24	6.3	0
30/12/2022 16:40	3.9	281	21	6.6	0
30/12/2022 16:50	4	264	26	6.3	0
30/12/2022 17:00	4.4	268	19	7.3	0
30/12/2022 17:10	4.4	267	21	6.2	0
30/12/2022 17:20	3.5	267	33	6.3	0
30/12/2022 17:30	4.1	273	16	6.1	0
30/12/2022 17:40	3.7	265	20	6.3	0
30/12/2022 17:50	4	266	20	5.9	0
30/12/2022 18:00	3.2	262	21	5.4	0
30/12/2022 18:10	2.7	276	27	4.6	0
30/12/2022 18:20	2.8	269	25	4.8	0
30/12/2022 18:30	3.2	280	21	5.2	0
30/12/2022 18:40	3.1	280	21	4.9	0
30/12/2022 18:50	3.3	271	23	4.4	0
30/12/2022 19:00	3	282	18	4.9	0
30/12/2022 19:10	2.9	278	22	4.1	0
30/12/2022 19:20	2.7	283	21	4.7	0
30/12/2022 19:30	2.5	268	21	4	0
30/12/2022 19:40	2.6	278	19	4	0
30/12/2022 19:50	3	274	19	4.8	0
30/12/2022 20:00	3.2	268	25	5.2	0
30/12/2022 20:10	3.5	271	19	5.1	0
30/12/2022 20:20	3.4	274	24	5.3	0
30/12/2022 20:30	3.3	265	23	5.6	0
30/12/2022 20:40	3.9	267	19	5.4	0
30/12/2022 20:50	3.2	267	19	4.8	0
30/12/2022 21:00	3.5	268	23	5.6	0
30/12/2022 21:10	3.8	272	19	6.3	0
30/12/2022 21:20	3.9	266	20	5.9	0
30/12/2022 21:30	4.1	269	25	7	0
30/12/2022 21:40	3.7	274	23	6.2	0
30/12/2022 21:50	3.8	273	25	6	0
30/12/2022 22:00	4	267	22	6.5	0
30/12/2022 22:10	3.7	268	22	5.6	0
30/12/2022 22:20	3.1	271	23	4.9	0
30/12/2022 22:30	3.3	269	22	5.6	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/12/2022 22:40	3.2	274	22	5.2	0
30/12/2022 22:50	3.2	276	17	4.8	0
30/12/2022 23:00	3.2	270	22	4.8	0
30/12/2022 23:10	3.4	278	16	4.7	0
30/12/2022 23:20	3.2	275	21	4.6	0
30/12/2022 23:30	3.3	272	18	5	0
30/12/2022 23:40	2.9	280	22	4.7	0
30/12/2022 23:50	3.4	281	18	5.3	0
31/12/2022 00:00	3.5	279	17	5.4	0
31/12/2022 00:10	2.9	282	23	4.7	0
31/12/2022 00:20	3.5	284	19	5.6	0
31/12/2022 00:30	3.3	280	21	5.8	0
31/12/2022 00:40	3.4	280	20	5.6	0
31/12/2022 00:50	3.5	278	23	5.6	0
31/12/2022 01:00	3.8	280	20	5.7	0
31/12/2022 01:10	3.9	283	19	5.9	0
31/12/2022 01:20	3.8	279	22	6.4	0
31/12/2022 01:30	3.5	279	20	5.7	0
31/12/2022 01:40	3	281	23	6.4	0
31/12/2022 01:50	2.9	271	35	5.5	0
31/12/2022 02:00	2.6	283	24	4	0
31/12/2022 02:10	2.7	282	21	4.5	0
31/12/2022 02:20	2.5	287	26	4	0
31/12/2022 02:30	2.5	274	24	4.5	0
31/12/2022 02:40	2.9	266	22	4.4	0
31/12/2022 02:50	2.5	273	26	4	0
31/12/2022 03:00	1.6	281	35	3.2	0
31/12/2022 03:10	1.9	283	27	3.4	0
31/12/2022 03:20	1.5	282	30	2.4	0
31/12/2022 03:30	1.4	294	26	2.2	0
31/12/2022 03:40	1.6	290	26	2.5	0
31/12/2022 03:50	1.5	274	27	2.4	0
31/12/2022 04:00	1.3	282	21	2.4	0
31/12/2022 04:10	1.3	296	25	2.2	0
31/12/2022 04:20	1.3	275	35	2.4	0
31/12/2022 04:30	1.3	241	39	2.2	0
31/12/2022 04:40	1.3	263	34	2	0
31/12/2022 04:50	1.1	260	33	1.9	0
31/12/2022 05:00	0.8	257	55	1.6	0
31/12/2022 05:10	1	282	19	1.4	0
31/12/2022 05:20	0.7	208	44	1.5	0
31/12/2022 05:30	0.7	285	12	1.2	0
31/12/2022 05:40	0.9	211	27	1.5	0
31/12/2022 05:50	0.3	138	21	0.8	0
31/12/2022 06:00	0.2	153	26	0.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/12/2022 06:10	1.5	182	20	2.7	0
31/12/2022 06:20	1.8	166	21	3.2	0
31/12/2022 06:30	2.2	139	24	3.5	0
31/12/2022 06:40	3.1	119	22	5.2	0
31/12/2022 06:50	3.7	132	19	6	0
31/12/2022 07:00	4.2	123	15	6.1	0
31/12/2022 07:10	3.7	125	17	6	0
31/12/2022 07:20	3.9	138	21	6.1	0
31/12/2022 07:30	2.8	140	22	5.6	0
31/12/2022 07:40	2.6	116	34	4.5	0
31/12/2022 07:50	2.8	108	21	4.2	0
31/12/2022 08:00	2.7	101	21	4.1	0
31/12/2022 08:10	2.8	107	16	4.1	0
31/12/2022 08:20	2.9	105	15	4	0
31/12/2022 08:30	2.7	96	14	3.6	0
31/12/2022 08:40	2.3	94	15	3.3	0
31/12/2022 08:50	2.3	92	21	3.3	0
31/12/2022 09:00	3	81	16	4	0
31/12/2022 09:10	3.1	72	15	4.3	0
31/12/2022 09:20	3.7	62	15	4.9	0
31/12/2022 09:30	3.8	61	14	4.9	0
31/12/2022 09:40	3.7	60	12	4.8	0
31/12/2022 09:50	4.3	59	10	5.7	0
31/12/2022 10:00	4.8	61	11	6.7	0
31/12/2022 10:10	5.5	59	10	7.1	0
31/12/2022 10:20	5.4	55	12	7.3	0
31/12/2022 10:30	5.3	55	12	7.2	0
31/12/2022 10:40	5.8	56	13	8.3	0
31/12/2022 10:50	5.5	54	13	7.7	0
31/12/2022 11:00	5.4	54	12	7.5	0
31/12/2022 11:10	5.6	55	12	7.7	0
31/12/2022 11:20	5.4	53	12	7.5	0
31/12/2022 11:30	5.5	53	14	7.1	0
31/12/2022 11:40	5.8	57	13	7.8	0
31/12/2022 11:50	5.7	51	13	7.6	0
31/12/2022 12:00	5.7	47	13	7.5	0
31/12/2022 12:10	5.6	44	13	7.3	0
31/12/2022 12:20	5.1	43	14	7	0
31/12/2022 12:30	5.2	44	12	6.9	0
31/12/2022 12:40	4.8	44	13	6.8	0
31/12/2022 12:50	5	43	13	6.6	0
31/12/2022 13:00	5.1	39	14	6.9	0
31/12/2022 13:10	4.8	44	13	6.4	0
31/12/2022 13:20	4.9	42	15	6.4	0
31/12/2022 13:30	5.1	42	13	6.8	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/12/2022 13:40	5	47	14	6.8	0
31/12/2022 13:50	4.9	48	14	6.7	0
31/12/2022 14:00	4.6	49	15	6.2	0
31/12/2022 14:10	5.3	47	13	7.1	0
31/12/2022 14:20	5.5	47	14	7.7	0
31/12/2022 14:30	5.4	45	13	7.3	0
31/12/2022 14:40	6	43	11	7.9	0
31/12/2022 14:50	5.5	47	11	7.2	0
31/12/2022 15:00	5.3	54	9	6.8	0
31/12/2022 15:10	4.5	57	12	5.8	0
31/12/2022 15:20	3.9	52	13	5.5	0
31/12/2022 15:30	3.3	17	19	4.9	0
31/12/2022 15:40	5.2	337	12	7	0
31/12/2022 15:50	4.7	330	15	6.8	0
31/12/2022 16:00	4.5	322	16	6.4	0
31/12/2022 16:10	4.9	329	14	7.2	0
31/12/2022 16:20	5.6	341	11	7.5	0
31/12/2022 16:30	4.4	330	14	6.8	0
31/12/2022 16:40	4	334	17	5.6	0
31/12/2022 16:50	3.9	322	17	6	0
31/12/2022 17:00	4.9	309	19	7.4	0
31/12/2022 17:10	4.1	313	23	6.1	0
31/12/2022 17:20	3.9	303	18	5.9	0
31/12/2022 17:30	3.6	303	20	6.6	0
31/12/2022 17:40	4.9	324	12	7.2	0
31/12/2022 17:50	4.2	314	19	7.1	0
31/12/2022 18:00	4.2	316	16	6	0
31/12/2022 18:10	3.5	306	18	5.2	0
31/12/2022 18:20	4	302	18	6.1	0
31/12/2022 18:30	3.5	311	19	5.4	0
31/12/2022 18:40	3.5	308	16	5.2	0
31/12/2022 18:50	4.3	309	15	6.1	0
31/12/2022 19:00	2.9	285	19	5	0
31/12/2022 19:10	2.5	276	24	4.4	0
31/12/2022 19:20	2.8	268	22	4.8	0
31/12/2022 19:30	3.3	280	24	5	0
31/12/2022 19:40	3.2	289	22	4.9	0
31/12/2022 19:50	3.5	279	20	5.4	0
31/12/2022 20:00	3.3	272	18	5.5	0
31/12/2022 20:10	3.3	279	18	5.3	0
31/12/2022 20:20	2.7	267	19	4.2	0
31/12/2022 20:30	2.5	269	28	4	0
31/12/2022 20:40	2.1	271	20	3.4	0
31/12/2022 20:50	2.1	286	21	3.3	0
31/12/2022 21:00	1.9	286	27	2.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/12/2022 21:10	1.9	286	22	3.4	0
31/12/2022 21:20	2.1	272	18	3.2	0
31/12/2022 21:30	2.4	272	21	4.2	0
31/12/2022 21:40	2.5	281	19	4	0
31/12/2022 21:50	2.1	283	19	3.2	0
31/12/2022 22:00	1.9	290	25	3.3	0
31/12/2022 22:10	2.1	294	23	3.5	0
31/12/2022 22:20	2.2	314	20	3.5	0
31/12/2022 22:30	2.1	278	26	3.9	0
31/12/2022 22:40	1.6	270	45	3	0
31/12/2022 22:50	2.9	257	31	4.8	0
31/12/2022 23:00	3.3	264	22	5.5	0
31/12/2022 23:10	3.3	265	37	5.2	0
31/12/2022 23:20	2.5	269	38	4.6	0
31/12/2022 23:30	2.6	259	36	4.7	0
31/12/2022 23:40	2.5	266	26	4	0
31/12/2022 23:50	2.8	266	21	4.1	0
01/01/2023 00:00	2.4	269	27	3.9	0
01/01/2023 00:10	1.9	272	30	3.4	0
01/01/2023 00:20	1.6	276	27	2.8	0
01/01/2023 00:30	0.9	230	42	1.9	0
01/01/2023 00:40	1.4	220	45	2.8	0
01/01/2023 00:50	1.9	249	38	3.1	0
01/01/2023 01:00	2.6	226	31	4.8	0
01/01/2023 01:10	2.2	231	34	3.7	0
01/01/2023 01:20	2.4	239	31	4.1	0
01/01/2023 01:30	2.2	226	33	3.9	0
01/01/2023 01:40	2.5	213	28	4.5	0
01/01/2023 01:50	3	210	28	4.8	0
01/01/2023 02:00	3.2	206	23	4.7	0
01/01/2023 02:10	2.9	209	23	4.2	0
01/01/2023 02:20	2.6	211	30	4.1	0
01/01/2023 02:30	2.7	204	28	4.2	0
01/01/2023 02:40	2.1	215	25	4.1	0
01/01/2023 02:50	2.8	203	20	4.8	0
01/01/2023 03:00	2.6	209	27	4.7	0
01/01/2023 03:10	2.6	220	26	4.5	0
01/01/2023 03:20	2.4	219	35	4.2	0
01/01/2023 03:30	2.1	235	42	3.7	0
01/01/2023 03:40	2.3	234	34	4	0
01/01/2023 03:50	1.9	225	36	3.5	0
01/01/2023 04:00	2.3	228	37	3.9	0
01/01/2023 04:10	2.2	245	28	3.7	0
01/01/2023 04:20	2.4	246	28	4	0
01/01/2023 04:30	2.4	250	24	3.7	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/01/2023 04:40	1.9	250	39	3.5	0
01/01/2023 04:50	1.6	201	51	3.1	0
01/01/2023 05:00	1.9	218	56	4	0
01/01/2023 05:10	2.1	233	42	4.8	0
01/01/2023 05:20	1.5	238	46	3.2	0
01/01/2023 05:30	2.1	236	40	4.6	0
01/01/2023 05:40	2.5	229	35	4.4	0
01/01/2023 05:50	3	231	25	5.3	0
01/01/2023 06:00	2.8	227	30	4.7	0
01/01/2023 06:10	2.8	221	31	5.2	0
01/01/2023 06:20	3	210	30	5.3	0
01/01/2023 06:30	3	207	24	5.3	0
01/01/2023 06:40	3.3	205	25	5.6	0
01/01/2023 06:50	3.8	208	22	5.8	0
01/01/2023 07:00	3.8	201	19	6	0
01/01/2023 07:10	4	204	21	6.2	0
01/01/2023 07:20	4.2	203	17	6.2	0
01/01/2023 07:30	3.5	214	27	5.7	0
01/01/2023 07:40	3.2	207	26	5.3	0
01/01/2023 07:50	4.2	207	16	6.5	0
01/01/2023 08:00	4.4	196	16	6.4	0
01/01/2023 08:10	4	200	16	5.6	0
01/01/2023 08:20	4.7	197	13	7.2	0
01/01/2023 08:30	5.1	192	16	7.8	0
01/01/2023 08:40	5	193	16	7	0
01/01/2023 08:50	4.7	198	15	6.9	0
01/01/2023 09:00	5.1	196	14	7.5	0
01/01/2023 09:10	5	196	14	7.6	0
01/01/2023 09:20	4.6	191	16	6.8	0
01/01/2023 09:30	4.3	194	17	6.6	0
01/01/2023 09:40	4.7	194	13	6.9	0
01/01/2023 09:50	4.7	195	15	6.8	0
01/01/2023 10:00	4.3	200	19	6.5	0
01/01/2023 10:10	5.1	195	14	7.8	0
01/01/2023 10:20	3.6	203	29	6.4	0
01/01/2023 10:30	4.1	207	25	6.6	0
01/01/2023 10:40	3.9	209	26	6.8	0
01/01/2023 10:50	4.5	214	25	7.3	0
01/01/2023 11:00	4.8	201	16	8	0
01/01/2023 11:10	3.6	203	27	6.4	0
01/01/2023 11:20	3.8	225	29	6.8	0
01/01/2023 11:30	3.9	238	29	6.2	0
01/01/2023 11:40	3.8	278	22	5.9	0
01/01/2023 11:50	4.5	283	17	7.2	0
01/01/2023 12:00	4.2	291	24	6.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/01/2023 12:10	4.1	285	25	6.8	0
01/01/2023 12:20	4.2	284	19	7.3	0
01/01/2023 12:30	4.2	284	21	6.5	0
01/01/2023 12:40	4.4	280	22	7.5	0
01/01/2023 12:50	4.7	282	17	6.8	0
01/01/2023 13:00	4.3	270	25	6.8	0
01/01/2023 13:10	4.8	276	20	7.1	0
01/01/2023 13:20	5.1	280	18	7.8	0
01/01/2023 13:30	5.1	278	17	7.4	0
01/01/2023 13:40	4.9	280	19	7.5	0
01/01/2023 13:50	5.1	277	21	7.5	0
01/01/2023 14:00	5.3	276	18	8.2	0
01/01/2023 14:10	4.8	277	20	7.5	0
01/01/2023 14:20	5.5	274	22	8.4	0
01/01/2023 14:30	6.1	277	22	10.2	0
01/01/2023 14:40	6.5	274	22	9.5	0
01/01/2023 14:50	6.3	274	21	8.9	0
01/01/2023 15:00	5	273	30	8.6	0
01/01/2023 15:10	6.2	275	21	9.5	0
01/01/2023 15:20	5.5	276	28	9.1	0
01/01/2023 15:30	6.3	278	20	9.5	0
01/01/2023 15:40	5.9	266	27	9.5	0
01/01/2023 15:50	6	277	27	9.9	0
01/01/2023 16:00	3.8	258	48	8.4	0
01/01/2023 16:10	4.7	269	32	8.8	0
01/01/2023 16:20	5	275	38	8.4	0
01/01/2023 16:30	4.7	264	43	8.1	0
01/01/2023 16:40	4.9	251	35	9.1	0
01/01/2023 16:50	4.5	258	40	8.5	0
01/01/2023 17:00	4.4	262	42	9.1	0
01/01/2023 17:10	4.5	270	42	9.1	0
01/01/2023 17:20	5.2	267	29	9.9	0
01/01/2023 17:30	4.1	261	51	7.5	0
01/01/2023 17:40	3.6	238	56	8.9	0
01/01/2023 17:50	3.7	254	56	8.3	0
01/01/2023 18:00	3.4	237	65	9.5	0
01/01/2023 18:10	4	253	47	7.8	0
01/01/2023 18:20	4	265	42	7.9	0
01/01/2023 18:30	3.6	258	65	7.4	0
01/01/2023 18:40	3.9	257	45	8.2	0
01/01/2023 18:50	3.3	270	48	6.8	0
01/01/2023 19:00	3.4	255	46	6.5	0
01/01/2023 19:10	3.1	267	49	5.9	0
01/01/2023 19:20	3.5	258	55	6.7	0
01/01/2023 19:30	2.4	227	66	5.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/01/2023 19:40	3.4	236	46	7.8	0
01/01/2023 19:50	4	249	39	7.1	0
01/01/2023 20:00	3.2	243	43	6	0
01/01/2023 20:10	3.2	234	48	6.8	0
01/01/2023 20:20	3.2	241	51	5.9	0
01/01/2023 20:30	3.5	253	42	6	0
01/01/2023 20:40	3.6	238	40	7	0
01/01/2023 20:50	3.5	249	39	7.4	0
01/01/2023 21:00	3.4	250	50	7.1	0
01/01/2023 21:10	3	246	62	6.3	0
01/01/2023 21:20	4	244	43	7.4	0
01/01/2023 21:30	3.8	254	48	8.3	0
01/01/2023 21:40	3.7	257	44	6.8	0
01/01/2023 21:50	3.7	236	45	6.5	0
01/01/2023 22:00	3.9	245	40	7.2	0
01/01/2023 22:10	3.5	246	46	6.9	0
01/01/2023 22:20	3.7	249	48	8	0
01/01/2023 22:30	3.3	236	51	6.8	0
01/01/2023 22:40	3.5	238	55	7.4	0
01/01/2023 22:50	3.4	235	50	6.7	0
01/01/2023 23:00	3.4	246	49	6.8	0
01/01/2023 23:10	2.4	246	62	5.3	0
01/01/2023 23:20	3.6	257	52	7.2	0
01/01/2023 23:30	2.9	234	56	7.4	0
01/01/2023 23:40	3.3	237	56	6.8	0
01/01/2023 23:50	3.2	222	43	5.7	0
01/02/2023 00:00	3.1	243	51	7.5	0
01/02/2023 00:10	3.3	235	48	6.3	0
01/02/2023 00:20	3.4	242	40	7.2	0
01/02/2023 00:30	3.4	244	50	6.5	0
01/02/2023 00:40	3.2	238	49	6.2	0
01/02/2023 00:50	2.6	213	46	5.4	0
01/02/2023 01:00	3.1	226	51	6.4	0
01/02/2023 01:10	3.2	255	44	6.9	0
01/02/2023 01:20	3.3	248	44	6.6	0
01/02/2023 01:30	2.9	229	49	6.7	0
01/02/2023 01:40	3	225	55	6.5	0
01/02/2023 01:50	3	232	50	5.6	0
01/02/2023 02:00	3.1	220	51	6.8	0
01/02/2023 02:10	3.6	240	40	6.9	0
01/02/2023 02:20	3.3	246	41	7.1	0
01/02/2023 02:30	2.8	233	52	6	0
01/02/2023 02:40	2.9	247	47	5.3	0
01/02/2023 02:50	2.9	211	56	6	0
01/02/2023 03:00	2.8	238	48	6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/02/2023 03:10	3.4	230	45	6.6	0
01/02/2023 03:20	2.9	245	53	5.6	0
01/02/2023 03:30	2.7	232	57	5.1	0
01/02/2023 03:40	2.8	255	55	6.2	0
01/02/2023 03:50	2.9	243	59	6.5	0
01/02/2023 04:00	3.3	225	55	6.1	0
01/02/2023 04:10	3.4	257	43	7.6	0
01/02/2023 04:20	3.2	261	42	7.2	0
01/02/2023 04:30	3.3	249	55	7.8	0
01/02/2023 04:40	2.5	244	64	4.8	0
01/02/2023 04:50	2.9	247	64	5.3	0
01/02/2023 05:00	3.2	248	37	6.2	0
01/02/2023 05:10	2.3	237	56	4.4	0
01/02/2023 05:20	2	266	65	4	0
01/02/2023 05:30	2.6	245	55	5	0
01/02/2023 05:40	2.8	254	45	5.2	0
01/02/2023 05:50	3.1	260	38	5.5	0
01/02/2023 06:00	2.8	259	50	5.6	0
01/02/2023 06:10	2.6	264	63	6.8	0
01/02/2023 06:20	3.4	255	39	6.1	0
01/02/2023 06:30	3.3	265	43	6.2	0
01/02/2023 06:40	2.5	262	52	5.2	0
01/02/2023 06:50	2.7	261	55	4.5	0
01/02/2023 07:00	2.2	253	67	4.6	0
01/02/2023 07:10	2.7	237	51	5.3	0
01/02/2023 07:20	2.8	238	61	6.8	0
01/02/2023 07:30	3.4	259	39	7.7	0
01/02/2023 07:40	2.3	234	64	4.4	0
01/02/2023 07:50	2.6	243	50	5.6	0
01/02/2023 08:00	3.2	243	35	5.8	0
01/02/2023 08:10	2.6	249	53	6	0
01/02/2023 08:20	3.3	252	41	5.4	0
01/02/2023 08:30	2.5	260	52	5.5	0
01/02/2023 08:40	2.6	241	56	5.1	0
01/02/2023 08:50	3.2	245	32	6	0
01/02/2023 09:00	2.7	229	51	6.4	0
01/02/2023 09:10	2.9	250	39	6	0
01/02/2023 09:20	2.9	237	48	6	0
01/02/2023 09:30	2.7	230	44	4.5	0
01/02/2023 09:40	2.8	234	40	5.2	0
01/02/2023 09:50	2.7	257	55	5.6	0
01/02/2023 10:00	2.4	238	58	5.1	0
01/02/2023 10:10	2.9	266	44	5.6	0
01/02/2023 10:20	3.5	257	37	6.7	0
01/02/2023 10:30	3	256	50	5.7	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/02/2023 10:40	4.3	260	27	6.8	0
01/02/2023 10:50	3.7	276	37	6.8	0
01/02/2023 11:00	4.3	269	25	7.3	0
01/02/2023 11:10	4	265	37	7.4	0
01/02/2023 11:20	4.2	267	30	7.2	0
01/02/2023 11:30	3.6	251	34	7.1	0
01/02/2023 11:40	4.2	269	32	7.1	0
01/02/2023 11:50	5	272	23	8.5	0
01/02/2023 12:00	4.9	269	28	8.5	0
01/02/2023 12:10	4.7	271	33	8.3	0
01/02/2023 12:20	5.7	270	25	8.3	0
01/02/2023 12:30	5.7	277	21	8.9	0
01/02/2023 12:40	6	268	24	8.3	0
01/02/2023 12:50	6.1	276	20	10	0
01/02/2023 13:00	5.7	269	21	8.7	0
01/02/2023 13:10	6.1	274	29	9.7	0
01/02/2023 13:20	6.4	271	19	9.9	0
01/02/2023 13:30	5.9	273	22	9.4	0
01/02/2023 13:40	5.9	267	25	10.1	0
01/02/2023 13:50	6.4	270	22	9.9	0
01/02/2023 14:00	5.6	269	23	9.2	0
01/02/2023 14:10	5.8	272	18	9.4	0
01/02/2023 14:20	6.1	268	24	9.5	0
01/02/2023 14:30	5.6	270	25	9.3	0
01/02/2023 14:40	5.9	270	19	8.6	0
01/02/2023 14:50	4.8	270	26	8.6	0
01/02/2023 15:00	5.4	269	26	8.7	0
01/02/2023 15:10	5.3	266	33	9.8	0
01/02/2023 15:20	5	260	32	8.8	0
01/02/2023 15:30	5.3	272	25	8.7	0
01/02/2023 15:40	5.7	266	27	8.6	0
01/02/2023 15:50	5.1	269	27	8.7	0
01/02/2023 16:00	4.5	261	35	9.5	0
01/02/2023 16:10	5.4	273	22	9.2	0
01/02/2023 16:20	5.9	270	21	9.1	0
01/02/2023 16:30	4.7	271	30	8.1	0
01/02/2023 16:40	4.4	262	31	7.5	0
01/02/2023 16:50	4.5	254	43	8.8	0
01/02/2023 17:00	4.4	265	39	7.9	0
01/02/2023 17:10	4.5	263	43	8.3	0
01/02/2023 17:20	3.7	253	51	6.8	0
01/02/2023 17:30	4.4	263	39	8.4	0
01/02/2023 17:40	4.3	256	45	8	0
01/02/2023 17:50	3.8	259	41	7	0
01/02/2023 18:00	4.2	261	39	7.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/02/2023 18:10	3.5	256	48	6.8	0
01/02/2023 18:20	4.1	258	36	7.2	0
01/02/2023 18:30	4	262	39	7.1	0
01/02/2023 18:40	3.2	268	50	6.8	0
01/02/2023 18:50	4.1	259	38	7.9	0
01/02/2023 19:00	4.1	269	29	8.3	0
01/02/2023 19:10	4	262	40	6.7	0
01/02/2023 19:20	2.5	249	54	6.3	0
01/02/2023 19:30	3	233	57	6.6	0
01/02/2023 19:40	3.4	241	48	6	0
01/02/2023 19:50	3.4	266	55	7.1	0
01/02/2023 20:00	3.1	249	45	6.1	0
01/02/2023 20:10	2.4	242	55	5.3	0
01/02/2023 20:20	3.8	251	40	7.3	0
01/02/2023 20:30	3.3	247	47	6.4	0
01/02/2023 20:40	3.8	242	43	7.2	0
01/02/2023 20:50	3.9	248	32	7.2	0
01/02/2023 21:00	3.3	246	48	7.5	0
01/02/2023 21:10	3	251	54	6.1	0
01/02/2023 21:20	3.7	255	45	7.3	0
01/02/2023 21:30	3.3	244	44	6.4	0
01/02/2023 21:40	2.8	247	55	6.2	0
01/02/2023 21:50	3	246	51	5.8	0
01/02/2023 22:00	2.8	237	54	5.6	0
01/02/2023 22:10	3.5	252	45	6.9	0
01/02/2023 22:20	3.6	240	45	7.2	0
01/02/2023 22:30	3.7	241	42	7.5	0
01/02/2023 22:40	3.4	248	53	6.6	0
01/02/2023 22:50	2.2	239	71	5	0
01/02/2023 23:00	2.9	253	57	5.6	0
01/02/2023 23:10	2.9	274	38	5.8	0
01/02/2023 23:20	2.8	249	47	6	0
01/02/2023 23:30	3.2	257	41	7.1	0
01/02/2023 23:40	3.1	257	41	6.5	0
01/02/2023 23:50	3	245	50	5.8	0
01/03/2023 00:00	3	250	50	6.4	0
01/03/2023 00:10	2.8	247	68	6.1	0
01/03/2023 00:20	2.5	245	56	5.4	0
01/03/2023 00:30	3.6	249	39	7	0
01/03/2023 00:40	2.4	227	55	4.5	0
01/03/2023 00:50	2.9	231	45	5.3	0
01/03/2023 01:00	2.5	231	57	4.8	0
01/03/2023 01:10	3.2	235	45	6.9	0
01/03/2023 01:20	2.8	253	47	5.2	0
01/03/2023 01:30	2.8	246	49	5	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/03/2023 01:40	2.4	245	48	5.4	0
01/03/2023 01:50	2.2	252	54	4.8	0
01/03/2023 02:00	2.6	244	44	4.9	0
01/03/2023 02:10	2.7	239	38	4.8	0
01/03/2023 02:20	2.6	149	40	4.2	0
01/03/2023 02:30	2.2	191	52	4	0
01/03/2023 02:40	1.7	206	21	2.6	0
01/03/2023 02:50	2.5	239	28	4.1	0
01/03/2023 03:00	2.2	218	38	4	0
01/03/2023 03:10	1.7	219	37	3	0
01/03/2023 03:20	2.1	276	34	3.5	0
01/03/2023 03:30	2.3	273	19	3.6	0
01/03/2023 03:40	1.6	261	32	2.8	0
01/03/2023 03:50	1.7	277	22	2.5	0
01/03/2023 04:00	1.9	258	38	2.9	0
01/03/2023 04:10	2.2	266	21	3.7	0
01/03/2023 04:20	2.6	261	26	4	0
01/03/2023 04:30	3.2	268	20	4.8	0
01/03/2023 04:40	2.6	268	22	4.2	0
01/03/2023 04:50	2.9	269	22	4.8	0
01/03/2023 05:00	3	270	20	5.2	0
01/03/2023 05:10	3.3	261	21	5.2	0
01/03/2023 05:20	2.6	256	35	5.1	0
01/03/2023 05:30	2.4	267	35	4.4	0
01/03/2023 05:40	2.8	267	32	5.2	0
01/03/2023 05:50	2.2	262	48	3.6	0
01/03/2023 06:00	2.1	256	55	4.3	0
01/03/2023 06:10	2.7	267	35	5.3	0
01/03/2023 06:20	3	270	35	5.2	0
01/03/2023 06:30	2.5	255	43	4.6	0
01/03/2023 06:40	2.5	262	43	4.8	0
01/03/2023 06:50	2.5	245	49	5	0
01/03/2023 07:00	2.8	257	37	5.6	0
01/03/2023 07:10	2.2	261	44	4.7	0
01/03/2023 07:20	2.4	263	37	4.4	0
01/03/2023 07:30	2.3	251	34	4.2	0
01/03/2023 07:40	1.7	240	66	4	0
01/03/2023 07:50	2.1	252	58	4.4	0
01/03/2023 08:00	2.5	269	37	4.9	0
01/03/2023 08:10	2.5	252	41	4.6	0
01/03/2023 08:20	3.3	271	27	5.6	0
01/03/2023 08:30	3	261	33	5.2	0
01/03/2023 08:40	2.7	256	36	5	0
01/03/2023 08:50	3.3	276	25	6.1	0
01/03/2023 09:00	3.5	279	24	5.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/03/2023 09:10	3.7	275	24	5.7	0
01/03/2023 09:20	3.6	270	24	5.6	0
01/03/2023 09:30	3.1	269	31	4.9	0
01/03/2023 09:40	2.7	253	31	5	0
01/03/2023 09:50	3.5	268	29	5.7	0
01/03/2023 10:00	4.1	276	20	5.6	0
01/03/2023 10:10	4.3	277	25	6.7	0
01/03/2023 10:20	4.6	285	22	6.9	0
01/03/2023 10:30	4.5	282	25	7.3	0
01/03/2023 10:40	4.4	279	21	6.6	0
01/03/2023 10:50	4.7	276	19	7.5	0
01/03/2023 11:00	4.5	277	20	6.3	0
01/03/2023 11:10	4.7	281	20	7.4	0
01/03/2023 11:20	4.8	281	23	7.4	0
01/03/2023 11:30	4.8	282	21	7.5	0
01/03/2023 11:40	4.6	276	23	7.2	0
01/03/2023 11:50	4.8	271	20	7.2	0
01/03/2023 12:00	5.2	270	19	7.6	0
01/03/2023 12:10	5.6	270	20	9	0
01/03/2023 12:20	5.4	274	19	8.2	0
01/03/2023 12:30	4.9	273	24	8.3	0
01/03/2023 12:40	5.2	274	22	8.2	0
01/03/2023 12:50	5.2	276	18	7.9	0
01/03/2023 13:00	5.9	281	21	8.2	0
01/03/2023 13:10	5.3	277	22	8.2	0
01/03/2023 13:20	5.1	271	26	8.3	0
01/03/2023 13:30	5.3	279	19	8.2	0
01/03/2023 13:40	5.8	270	21	8.9	0
01/03/2023 13:50	4.6	270	27	7.4	0
01/03/2023 14:00	4.8	272	25	7.2	0
01/03/2023 14:10	5.4	270	19	7.9	0
01/03/2023 14:20	5.2	275	19	7.5	0
01/03/2023 14:30	5.6	274	19	9.1	0
01/03/2023 14:40	5.3	277	21	8.2	0
01/03/2023 14:50	4.6	271	19	7.5	0
01/03/2023 15:00	5.4	274	19	7.9	0
01/03/2023 15:10	3.8	263	48	7.2	0
01/03/2023 15:20	5.3	268	28	9.4	0
01/03/2023 15:30	5.2	277	22	8.3	0
01/03/2023 15:40	5.6	273	24	8.3	0
01/03/2023 15:50	5.9	269	22	9.3	0
01/03/2023 16:00	5.8	272	24	10.3	0
01/03/2023 16:10	6.2	271	19	9.5	0
01/03/2023 16:20	6.5	273	23	9.9	0
01/03/2023 16:30	6.3	270	20	9.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/03/2023 16:40	6.6	269	20	9.5	0
01/03/2023 16:50	5.6	274	28	9.1	0
01/03/2023 17:00	6.6	271	20	9.6	0
01/03/2023 17:10	5.5	263	36	9.5	0
01/03/2023 17:20	6.2	269	25	10	0
01/03/2023 17:30	4.6	244	38	8.3	0
01/03/2023 17:40	4.4	243	45	8.8	0
01/03/2023 17:50	4.6	207	30	8.3	0
01/03/2023 18:00	3.6	223	47	7.1	0
01/03/2023 18:10	2.9	229	47	5.8	0
01/03/2023 18:20	3.1	252	54	5.8	0
01/03/2023 18:30	3.1	253	49	6.5	0
01/03/2023 18:40	3.4	260	48	6.8	0
01/03/2023 18:50	5.1	274	21	7.9	0
01/03/2023 19:00	4.8	269	26	7.2	0
01/03/2023 19:10	4.7	273	27	9.1	0
01/03/2023 19:20	4.8	273	26	7.9	0
01/03/2023 19:30	3.7	261	43	7.9	0
01/03/2023 19:40	4	276	30	6.8	0
01/03/2023 19:50	4	269	32	7.2	0
01/03/2023 20:00	4	270	29	7.2	0
01/03/2023 20:10	3.7	263	36	7	0
01/03/2023 20:20	4.1	271	27	6.4	0
01/03/2023 20:30	3.3	247	46	6.2	0
01/03/2023 20:40	3.4	246	37	6.3	0
01/03/2023 20:50	3.1	248	47	5.4	0
01/03/2023 21:00	3.4	265	40	6.4	0
01/03/2023 21:10	3.2	258	39	6.2	0
01/03/2023 21:20	3.5	256	41	7.2	0
01/03/2023 21:30	3.1	251	56	5.9	0
01/03/2023 21:40	2.3	211	65	4.6	0
01/03/2023 21:50	3.4	265	39	6.4	0
01/03/2023 22:00	2.7	257	55	5.6	0
01/03/2023 22:10	3.5	255	43	6.2	0
01/03/2023 22:20	3.4	260	54	6.9	0
01/03/2023 22:30	2.6	208	71	5.1	0
01/03/2023 22:40	2.9	237	48	5.4	0
01/03/2023 22:50	2.6	220	58	6.1	0
01/03/2023 23:00	3.1	220	48	6	0
01/03/2023 23:10	3	221	48	6.2	0
01/03/2023 23:20	3	254	51	6.8	0
01/03/2023 23:30	3.1	236	44	6.3	0
01/03/2023 23:40	2.8	214	48	5	0
01/03/2023 23:50	2.7	227	58	5.8	0
01/04/2023 00:00	2.7	208	43	5.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/04/2023 00:10	2.8	216	40	4.9	0
01/04/2023 00:20	2.6	245	57	5	0
01/04/2023 00:30	2.3	225	53	5.9	0
01/04/2023 00:40	2.1	222	58	4.2	0
01/04/2023 00:50	2.9	227	44	6.4	0
01/04/2023 01:00	2.5	219	41	5.3	0
01/04/2023 01:10	2.4	219	44	5	0
01/04/2023 01:20	2.4	250	51	4.4	0
01/04/2023 01:30	2.9	257	33	5.3	0
01/04/2023 01:40	2.7	261	37	5.4	0
01/04/2023 01:50	2.7	262	47	6.5	0
01/04/2023 02:00	2.6	260	46	4.9	0
01/04/2023 02:10	2.9	254	36	5.5	0
01/04/2023 02:20	2.7	258	38	5.1	0
01/04/2023 02:30	2.6	249	42	5.2	0
01/04/2023 02:40	2.4	252	57	5	0
01/04/2023 02:50	2.4	233	60	4.3	0
01/04/2023 03:00	2.6	250	46	5.2	0
01/04/2023 03:10	2.7	242	44	5.2	0
01/04/2023 03:20	2.4	244	55	4.9	0
01/04/2023 03:30	2.6	257	43	4.9	0
01/04/2023 03:40	2.5	226	47	4.7	0
01/04/2023 03:50	2.5	239	43	4.6	0
01/04/2023 04:00	2.5	227	47	6.8	0
01/04/2023 04:10	2.4	243	47	4.9	0
01/04/2023 04:20	2.7	240	44	7	0
01/04/2023 04:30	2.8	243	43	5.5	0
01/04/2023 04:40	3.2	241	37	5.6	0
01/04/2023 04:50	2.8	243	43	4.9	0
01/04/2023 05:00	3.3	233	38	6.9	0
01/04/2023 05:10	2.5	229	61	5.6	0
01/04/2023 05:20	2.7	224	44	5.2	0
01/04/2023 05:30	2.3	241	45	4.5	0
01/04/2023 05:40	2.7	259	37	5	0
01/04/2023 05:50	2.5	238	45	4.6	0
01/04/2023 06:00	2.5	257	46	5.2	0
01/04/2023 06:10	2.3	227	51	5.6	0
01/04/2023 06:20	2	233	59	4.2	0
01/04/2023 06:30	2.7	216	40	6	0
01/04/2023 06:40	2.5	232	46	4.4	0
01/04/2023 06:50	2.5	234	35	5.2	0
01/04/2023 07:00	2.4	236	43	4.3	0
01/04/2023 07:10	2.7	238	36	5.4	0
01/04/2023 07:20	2.3	245	39	4.2	0
01/04/2023 07:30	2.2	240	38	3.9	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/04/2023 07:40	2	218	31	3.7	0
01/04/2023 07:50	2.9	234	26	4.4	0
01/04/2023 08:00	3	242	27	4.9	0
01/04/2023 08:10	2.6	236	35	4.6	0
01/04/2023 08:20	2.9	262	31	5.1	0
01/04/2023 08:30	2.4	253	36	4	0
01/04/2023 08:40	2.6	230	30	4.6	0
01/04/2023 08:50	2.1	215	39	3.8	0
01/04/2023 09:00	1.8	253	40	3.3	0
01/04/2023 09:10	1.9	230	49	4.4	0
01/04/2023 09:20	2	237	44	3.7	0
01/04/2023 09:30	2.2	223	40	4	0
01/04/2023 09:40	3.3	279	19	5.4	0
01/04/2023 09:50	3.5	287	23	4.9	0
01/04/2023 10:00	4.1	289	23	6.1	0
01/04/2023 10:10	4.3	286	21	6.8	0
01/04/2023 10:20	4.3	278	19	6.2	0
01/04/2023 10:30	4.2	269	20	6	0
01/04/2023 10:40	4.4	273	23	6.5	0
01/04/2023 10:50	4.6	276	20	7.4	0
01/04/2023 11:00	4.5	271	20	6.9	0
01/04/2023 11:10	4.9	272	23	7.9	0
01/04/2023 11:20	5	270	21	7.3	0
01/04/2023 11:30	4.9	273	22	7.4	0
01/04/2023 11:40	5	278	20	7.5	0
01/04/2023 11:50	5.5	275	19	8.3	0
01/04/2023 12:00	4.8	273	22	7.1	0
01/04/2023 12:10	4.5	279	19	7	0
01/04/2023 12:20	4.8	276	22	7.9	0
01/04/2023 12:30	5.3	272	19	8.1	0
01/04/2023 12:40	5.4	274	20	8.7	0
01/04/2023 12:50	5.6	276	20	8.6	0
01/04/2023 13:00	5.3	273	21	8.1	0
01/04/2023 13:10	5.4	275	20	8.9	0
01/04/2023 13:20	5.2	275	19	7.6	0
01/04/2023 13:30	5	270	21	7.9	0
01/04/2023 13:40	5.4	275	19	8.4	0
01/04/2023 13:50	5.4	273	23	7.9	0
01/04/2023 14:00	5.2	275	21	7.8	0
01/04/2023 14:10	5.2	276	23	7.8	0
01/04/2023 14:20	5.3	276	21	7.9	0
01/04/2023 14:30	5.5	270	21	8.7	0
01/04/2023 14:40	5.9	280	18	8.7	0
01/04/2023 14:50	6.1	278	18	8.7	0
01/04/2023 15:00	6.1	276	21	9.5	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/04/2023 15:10	6.1	271	22	9.3	0
01/04/2023 15:20	6.5	274	18	9.1	0
01/04/2023 15:30	5.1	276	22	8.2	0
01/04/2023 15:40	5.9	275	20	8.8	0
01/04/2023 15:50	5.5	271	26	8.8	0
01/04/2023 16:00	6.4	275	20	9.2	0
01/04/2023 16:10	5.7	276	18	8.3	0
01/04/2023 16:20	5.3	269	25	8.3	0
01/04/2023 16:30	5.8	271	19	9.4	0
01/04/2023 16:40	6.1	277	20	9	0
01/04/2023 16:50	4.9	269	28	7.5	0
01/04/2023 17:00	5.1	270	28	7.8	0
01/04/2023 17:10	4.6	261	32	7.9	0
01/04/2023 17:20	3.9	255	42	8.4	0
01/04/2023 17:30	5	266	30	9.1	0
01/04/2023 17:40	5.4	271	27	9.1	0
01/04/2023 17:50	5.3	273	30	9.3	0
01/04/2023 18:00	4.2	263	42	7.8	0
01/04/2023 18:10	3.9	256	39	7.3	0
01/04/2023 18:20	5	271	28	8.9	0
01/04/2023 18:30	4.5	267	31	8	0
01/04/2023 18:40	4.9	267	27	8.5	0
01/04/2023 18:50	4.1	266	45	8.2	0
01/04/2023 19:00	4.3	272	30	7.1	0
01/04/2023 19:10	5.3	273	27	8.3	0
01/04/2023 19:20	4.7	271	29	8.1	0
01/04/2023 19:30	4.5	272	35	9	0
01/04/2023 19:40	3.4	260	60	6.4	0
01/04/2023 19:50	3.7	255	38	6.6	0
01/04/2023 20:00	3.3	245	43	5.9	0
01/04/2023 20:10	3.4	253	49	6.9	0
01/04/2023 20:20	3.1	241	55	6.5	0
01/04/2023 20:30	3.8	253	37	7.4	0
01/04/2023 20:40	2.8	230	56	6.2	0
01/04/2023 20:50	3.1	244	40	5.2	0
01/04/2023 21:00	3.6	250	43	7.3	0
01/04/2023 21:10	3.7	248	44	7.7	0
01/04/2023 21:20	3.6	244	43	7.8	0
01/04/2023 21:30	3.5	253	46	6	0
01/04/2023 21:40	3.1	223	52	6.4	0
01/04/2023 21:50	2.8	226	61	6.9	0
01/04/2023 22:00	3.3	222	44	6.6	0
01/04/2023 22:10	3.7	216	43	7.8	0
01/04/2023 22:20	3.5	228	41	6.8	0
01/04/2023 22:30	2.7	238	48	4.8	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/04/2023 22:40	3	220	52	6.7	0
01/04/2023 22:50	2.7	225	56	5.6	0
01/04/2023 23:00	2.9	234	48	5.5	0
01/04/2023 23:10	2.1	234	51	4	0
01/04/2023 23:20	2.4	233	57	5.4	0
01/04/2023 23:30	2	210	73	4.9	0
01/04/2023 23:40	2.7	243	56	6.8	0
01/04/2023 23:50	2.8	220	46	5.2	0
01/05/2023 00:00	2.3	241	63	4.6	0
01/05/2023 00:10	2.7	240	52	4.9	0
01/05/2023 00:20	2.5	240	51	4.8	0
01/05/2023 00:30	3.3	254	38	6.1	0
01/05/2023 00:40	2.1	233	56	4.2	0
01/05/2023 00:50	2.2	258	57	4	0
01/05/2023 01:00	2.8	263	35	5	0
01/05/2023 01:10	2.4	256	47	4.4	0
01/05/2023 01:20	2.4	243	53	5.4	0
01/05/2023 01:30	2.3	248	54	3.9	0
01/05/2023 01:40	1.9	252	63	4.2	0
01/05/2023 01:50	2	226	75	3.9	0
01/05/2023 02:00	1.5	201	61	3.1	0
01/05/2023 02:10	2.1	225	58	3.6	0
01/05/2023 02:20	2	244	41	3.6	0
01/05/2023 02:30	2.3	244	42	4.1	0
01/05/2023 02:40	1.9	231	51	3.8	0
01/05/2023 02:50	2.6	240	37	5.7	0
01/05/2023 03:00	2.6	242	51	5.4	0
01/05/2023 03:10	2.5	213	49	5.5	0
01/05/2023 03:20	2.1	218	51	4	0
01/05/2023 03:30	2.7	215	42	5.3	0
01/05/2023 03:40	3.6	224	25	6.3	0
01/05/2023 03:50	2.8	235	34	4.4	0
01/05/2023 04:00	3.1	254	32	5.8	0
01/05/2023 04:10	2.5	250	34	4.5	0
01/05/2023 04:20	2.6	252	36	5.1	0
01/05/2023 04:30	3.2	260	34	6.4	0
01/05/2023 04:40	2.8	250	40	5.2	0
01/05/2023 04:50	2.9	257	38	5.5	0
01/05/2023 05:00	2.3	253	34	4.4	0
01/05/2023 05:10	2	196	49	3.9	0
01/05/2023 05:20	2.1	198	38	4.7	0
01/05/2023 05:30	2.5	181	38	4.2	0
01/05/2023 05:40	1.2	168	51	2.3	0
01/05/2023 05:50	1.5	195	73	2.8	0
01/05/2023 06:00	2.2	196	29	4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/05/2023 06:10	1.8	212	61	3.5	0
01/05/2023 06:20	1.8	222	52	3.6	0
01/05/2023 06:30	1.3	260	69	2.7	0
01/05/2023 06:40	1.6	253	60	3.6	0
01/05/2023 06:50	1.9	222	53	3.6	0
01/05/2023 07:00	1.7	186	62	3.5	0
01/05/2023 07:10	1.9	257	56	3.9	0
01/05/2023 07:20	2.2	191	32	3.6	0
01/05/2023 07:30	1.7	192	36	3.1	0
01/05/2023 07:40	2.8	209	22	4.7	0
01/05/2023 07:50	2.9	213	20	4.1	0
01/05/2023 08:00	2.3	225	28	4	0
01/05/2023 08:10	2.8	235	28	4.4	0
01/05/2023 08:20	3	251	24	4.6	0
01/05/2023 08:30	2.7	259	30	4.9	0
01/05/2023 08:40	3.2	268	24	4.4	0
01/05/2023 08:50	2.7	257	30	4.5	0
01/05/2023 09:00	3.2	264	23	5.3	0
01/05/2023 09:10	2.9	261	30	4.8	0
01/05/2023 09:20	2.9	260	30	4.8	0
01/05/2023 09:30	2.7	260	30	4.4	0
01/05/2023 09:40	2.6	251	43	5.2	0
01/05/2023 09:50	2.7	246	38	4.7	0
01/05/2023 10:00	4.4	276	17	6.8	0
01/05/2023 10:10	3.7	269	23	6.9	0
01/05/2023 10:20	3.8	268	27	6.3	0
01/05/2023 10:30	4	276	26	6.2	0
01/05/2023 10:40	4.3	279	17	6.4	0
01/05/2023 10:50	4.2	275	22	6.8	0
01/05/2023 11:00	4.4	279	19	6.9	0
01/05/2023 11:10	4.5	275	19	6.8	0
01/05/2023 11:20	4.6	278	21	7	0
01/05/2023 11:30	4.5	273	20	7.3	0
01/05/2023 11:40	4.6	273	21	6.8	0
01/05/2023 11:50	4.3	271	22	7	0
01/05/2023 12:00	3.4	256	29	6	0
01/05/2023 12:10	4.4	266	22	7.2	0
01/05/2023 12:20	5.2	276	21	8.3	0
01/05/2023 12:30	5.8	273	19	8.7	0
01/05/2023 12:40	5	271	24	8	0
01/05/2023 12:50	4.6	266	35	7.8	0
01/05/2023 13:00	5.6	274	23	8.7	0
01/05/2023 13:10	5.9	269	27	10.3	0
01/05/2023 13:20	5.2	266	29	9.5	0
01/05/2023 13:30	4.7	255	30	7.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/05/2023 13:40	4.8	258	43	9.5	0
01/05/2023 13:50	5.2	263	31	10.2	0
01/05/2023 14:00	5.8	265	37	9.4	0
01/05/2023 14:10	5.5	268	32	8.9	0
01/05/2023 14:20	4.1	248	45	7.6	0
01/05/2023 14:30	5.8	265	36	9.5	0
01/05/2023 14:40	6.2	269	28	9.9	0
01/05/2023 14:50	6.1	268	29	9.6	0
01/05/2023 15:00	5.7	264	34	10.9	0
01/05/2023 15:10	5	261	45	9.6	0
01/05/2023 15:20	4.9	261	46	8.7	0
01/05/2023 15:30	7	273	24	12.3	0
01/05/2023 15:40	5.5	276	27	9.9	0
01/05/2023 15:50	4.9	269	39	9.5	0
01/05/2023 16:00	5.7	269	26	9.6	0
01/05/2023 16:10	4.9	268	36	9	0
01/05/2023 16:20	4.8	266	35	9.7	0
01/05/2023 16:30	4.7	242	40	9.1	0
01/05/2023 16:40	4.6	258	35	8.3	0
01/05/2023 16:50	4.9	266	35	9.1	0
01/05/2023 17:00	4.3	255	41	8.2	0
01/05/2023 17:10	3.9	255	53	7.9	0
01/05/2023 17:20	4.3	255	49	8.3	0
01/05/2023 17:30	4.2	246	43	7.5	0
01/05/2023 17:40	4.8	264	28	8.1	0
01/05/2023 17:50	4.2	267	36	8.1	0
01/05/2023 18:00	4.6	261	40	9.1	0
01/05/2023 18:10	4	245	47	7	0
01/05/2023 18:20	4.2	262	44	8.6	0
01/05/2023 18:30	4.3	265	49	9.1	0
01/05/2023 18:40	4	250	52	8.7	0
01/05/2023 18:50	3.8	251	43	7.6	0
01/05/2023 19:00	4.1	255	40	9.1	0
01/05/2023 19:10	3.7	235	47	7.3	0
01/05/2023 19:20	3.9	254	48	7.9	0
01/05/2023 19:30	3.3	254	48	7.1	0
01/05/2023 19:40	3.7	248	53	7.9	0
01/05/2023 19:50	3.7	254	44	6.9	0
01/05/2023 20:00	4.1	245	32	8	0
01/05/2023 20:10	3.3	232	53	6.4	0
01/05/2023 20:20	3.9	252	36	7.2	0
01/05/2023 20:30	3.4	256	50	6.6	0
01/05/2023 20:40	3.9	254	35	6.8	0
01/05/2023 20:50	3.7	245	42	7.2	0
01/05/2023 21:00	3.3	244	44	6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/05/2023 21:10	3.8	246	47	6.7	0
01/05/2023 21:20	3.9	262	29	7.3	0
01/05/2023 21:30	3.3	247	47	6.2	0
01/05/2023 21:40	3.3	256	58	6.4	0
01/05/2023 21:50	2.9	217	56	6	0
01/05/2023 22:00	2.8	224	42	5.9	0
01/05/2023 22:10	2.4	226	58	6.2	0
01/05/2023 22:20	3.3	221	51	6.4	0
01/05/2023 22:30	3.1	236	53	7.1	0
01/05/2023 22:40	3.5	233	38	5.6	0
01/05/2023 22:50	3.2	230	51	6.1	0
01/05/2023 23:00	3	233	47	6.1	0
01/05/2023 23:10	2.8	209	47	6.3	0
01/05/2023 23:20	2.9	243	55	5.6	0
01/05/2023 23:30	2.6	223	55	4.7	0
01/05/2023 23:40	2.5	236	57	5.8	0
01/05/2023 23:50	2.8	230	55	5.4	0
01/06/2023 00:00	2.8	230	58	6.5	0
01/06/2023 00:10	2.6	224	52	5.6	0
01/06/2023 00:20	2.9	217	39	5.6	0
01/06/2023 00:30	2.7	217	47	5.2	0
01/06/2023 00:40	2.6	226	53	5.4	0
01/06/2023 00:50	3.1	224	47	6	0
01/06/2023 01:00	2.4	213	57	4.8	0
01/06/2023 01:10	2.7	204	40	6	0
01/06/2023 01:20	3	212	39	5.8	0
01/06/2023 01:30	2.5	216	46	4.8	0
01/06/2023 01:40	2.8	223	45	4.8	0
01/06/2023 01:50	2.9	224	45	5.4	0
01/06/2023 02:00	3.1	223	42	6.2	0
01/06/2023 02:10	3.2	215	47	5.8	0
01/06/2023 02:20	2.8	218	43	4.7	0
01/06/2023 02:30	2.9	230	54	5.6	0
01/06/2023 02:40	2.8	226	48	6.1	0
01/06/2023 02:50	3.1	238	40	5.6	0
01/06/2023 03:00	2.8	235	54	6	0
01/06/2023 03:10	2.9	215	45	5.4	0
01/06/2023 03:20	3	241	49	6.2	0
01/06/2023 03:30	3	221	48	5.5	0
01/06/2023 03:40	2.7	214	47	5.6	0
01/06/2023 03:50	3.4	210	32	5.9	0
01/06/2023 04:00	2.3	230	55	3.9	0
01/06/2023 04:10	2.8	235	46	5	0
01/06/2023 04:20	3.2	210	36	5.8	0
01/06/2023 04:30	2.7	222	42	4.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/06/2023 04:40	2.2	237	52	4.4	0
01/06/2023 04:50	2.3	260	49	4	0
01/06/2023 05:00	2.8	259	36	4.7	0
01/06/2023 05:10	2.4	266	29	5.2	0
01/06/2023 05:20	2	263	45	3.7	0
01/06/2023 05:30	1.9	249	51	3.9	0
01/06/2023 05:40	1.5	248	66	3.5	0
01/06/2023 05:50	1.8	272	46	3.3	0
01/06/2023 06:00	2.1	266	41	4.3	0
01/06/2023 06:10	1.8	230	58	4.5	0
01/06/2023 06:20	1.8	229	48	3.4	0
01/06/2023 06:30	1.8	207	59	3.3	0
01/06/2023 06:40	1.9	267	54	3.5	0
01/06/2023 06:50	1.9	253	56	3.9	0
01/06/2023 07:00	2.3	243	37	4.5	0
01/06/2023 07:10	2.5	223	46	5	0
01/06/2023 07:20	2.8	238	35	4.9	0
01/06/2023 07:30	2.6	231	43	5.3	0
01/06/2023 07:40	2.7	221	38	5.2	0
01/06/2023 07:50	2.5	221	57	5	0
01/06/2023 08:00	2.8	236	50	5.2	0
01/06/2023 08:10	2.5	225	49	4.4	0
01/06/2023 08:20	2.6	236	48	4.8	0
01/06/2023 08:30	2.9	209	31	5.1	0
01/06/2023 08:40	2.6	248	39	4.8	0
01/06/2023 08:50	2.6	256	37	4.4	0
01/06/2023 09:00	2.3	199	50	4.8	0
01/06/2023 09:10	2.5	240	65	5.2	0
01/06/2023 09:20	3.1	258	32	5.6	0
01/06/2023 09:30	3.4	265	36	5.7	0
01/06/2023 09:40	3.7	272	27	5.7	0
01/06/2023 09:50	3.6	267	32	6.6	0
01/06/2023 10:00	3.7	267	22	6.3	0
01/06/2023 10:10	4.4	278	22	7.2	0
01/06/2023 10:20	4.6	277	22	7.2	0
01/06/2023 10:30	4.6	266	25	7	0
01/06/2023 10:40	5.5	277	20	8.2	0
01/06/2023 10:50	4.7	274	24	8.3	0
01/06/2023 11:00	5.7	274	27	8.5	0
01/06/2023 11:10	4.9	271	26	7.9	0
01/06/2023 11:20	5.2	274	24	7.3	0
01/06/2023 11:30	5.4	277	19	8.9	0
01/06/2023 11:40	6.2	275	21	8.7	0
01/06/2023 11:50	6	281	21	9.3	0
01/06/2023 12:00	6	273	19	9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/06/2023 12:10	5.8	273	24	9.5	0
01/06/2023 12:20	6	273	22	9.3	0
01/06/2023 12:30	5.6	275	21	9	0
01/06/2023 12:40	5.9	275	23	8.4	0
01/06/2023 12:50	5.6	271	24	9.4	0
01/06/2023 13:00	5.4	275	26	7.9	0
01/06/2023 13:10	6	266	23	9.1	0
01/06/2023 13:20	5.8	274	22	8.5	0
01/06/2023 13:30	5.9	274	24	9.3	0
01/06/2023 13:40	6.3	280	21	9.3	0
01/06/2023 13:50	5.8	282	21	9.6	0
01/06/2023 14:00	6	280	20	9.1	0
01/06/2023 14:10	6.3	281	24	9.9	0
01/06/2023 14:20	6.8	282	18	10.3	0
01/06/2023 14:30	6.4	278	21	9.6	0
01/06/2023 14:40	6.3	273	22	9.7	0
01/06/2023 14:50	5.9	275	24	10.2	0
01/06/2023 15:00	6.2	273	24	10.7	0
01/06/2023 15:10	5.7	279	23	9.5	0
01/06/2023 15:20	6.8	277	19	11.4	0
01/06/2023 15:30	6	278	24	9.9	0
01/06/2023 15:40	6.6	273	23	11	0
01/06/2023 15:50	7.1	275	20	10.5	0
01/06/2023 16:00	7.2	273	20	10.3	0
01/06/2023 16:10	6.8	277	20	10.3	0
01/06/2023 16:20	6.6	276	20	9.8	0
01/06/2023 16:30	6.2	271	18	9.5	0
01/06/2023 16:40	4.8	257	34	9.5	0
01/06/2023 16:50	4.6	256	32	7.7	0
01/06/2023 17:00	4.1	245	48	8.4	0
01/06/2023 17:10	6.3	278	23	10.1	0
01/06/2023 17:20	5.1	262	34	9.3	0
01/06/2023 17:30	4.5	256	47	8.6	0
01/06/2023 17:40	5.4	256	35	9.5	0
01/06/2023 17:50	4.8	271	33	9.4	0
01/06/2023 18:00	5.2	273	29	9.5	0
01/06/2023 18:10	4.1	261	44	9.1	0
01/06/2023 18:20	3.7	254	44	6.8	0
01/06/2023 18:30	4.1	252	37	7.4	0
01/06/2023 18:40	3.8	259	49	6.3	0
01/06/2023 18:50	4.7	275	37	8.7	0
01/06/2023 19:00	4.6	258	37	8.7	0
01/06/2023 19:10	5.5	264	37	9.5	0
01/06/2023 19:20	5	268	33	8.5	0
01/06/2023 19:30	4.8	265	39	7.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/06/2023 19:40	4.8	270	38	8.2	0
01/06/2023 19:50	4.5	266	38	7.9	0
01/06/2023 20:00	4.2	274	35	9.5	0
01/06/2023 20:10	4	274	42	9.3	0
01/06/2023 20:20	4.4	272	30	7.8	0
01/06/2023 20:30	3.1	250	65	7.2	0
01/06/2023 20:40	3.6	256	54	9.1	0
01/06/2023 20:50	3.5	265	48	6.9	0
01/06/2023 21:00	3	242	56	7.4	0
01/06/2023 21:10	2.8	245	67	5.8	0
01/06/2023 21:20	3.8	250	44	6.7	0
01/06/2023 21:30	3.4	248	49	7.2	0
01/06/2023 21:40	4.2	250	39	7.1	0
01/06/2023 21:50	3.3	251	59	6.4	0
01/06/2023 22:00	4	249	37	7.5	0
01/06/2023 22:10	3.3	245	45	5.9	0
01/06/2023 22:20	3.2	247	58	7.2	0
01/06/2023 22:30	3.3	241	52	6.2	0
01/06/2023 22:40	3.8	259	47	6.7	0
01/06/2023 22:50	3.5	243	50	7.7	0
01/06/2023 23:00	3.9	251	39	7.5	0
01/06/2023 23:10	3.7	242	52	7.2	0
01/06/2023 23:20	3.5	261	51	6.6	0
01/06/2023 23:30	4.1	248	37	7.1	0
01/06/2023 23:40	3.7	257	32	6.7	0
01/06/2023 23:50	3.4	249	51	7.2	0
01/07/2023 00:00	3.5	251	53	6.8	0
01/07/2023 00:10	3.4	250	54	7	0
01/07/2023 00:20	3	227	55	6.4	0
01/07/2023 00:30	3.9	246	40	8.4	0
01/07/2023 00:40	3.3	253	46	6.8	0
01/07/2023 00:50	2.6	249	61	5.6	0
01/07/2023 01:00	2.7	234	60	6.1	0
01/07/2023 01:10	3	239	48	5.7	0
01/07/2023 01:20	3.7	245	42	8.2	0
01/07/2023 01:30	3	257	48	5.6	0
01/07/2023 01:40	2.8	240	51	6	0
01/07/2023 01:50	3.1	257	49	6	0
01/07/2023 02:00	3	223	47	5.6	0
01/07/2023 02:10	2.7	232	58	6.7	0
01/07/2023 02:20	3.4	229	48	6.4	0
01/07/2023 02:30	2.8	234	61	6.1	0
01/07/2023 02:40	2.9	233	53	5.6	0
01/07/2023 02:50	3.2	219	53	7	0
01/07/2023 03:00	2.8	228	54	5.9	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/07/2023 03:10	2.8	233	56	5.6	0
01/07/2023 03:20	2.7	222	52	5.2	0
01/07/2023 03:30	2.3	235	60	5.2	0
01/07/2023 03:40	2.4	198	51	4.8	0
01/07/2023 03:50	2.3	237	54	4.9	0
01/07/2023 04:00	2.4	215	54	5.2	0
01/07/2023 04:10	2.5	217	58	5.6	0
01/07/2023 04:20	2.8	236	54	5.6	0
01/07/2023 04:30	2.3	238	53	4.8	0
01/07/2023 04:40	2.8	254	64	7	0
01/07/2023 04:50	2.8	257	63	6.6	0
01/07/2023 05:00	2.8	245	55	6.3	0
01/07/2023 05:10	2.6	232	61	5.3	0
01/07/2023 05:20	2.4	220	60	4.8	0
01/07/2023 05:30	2.9	252	50	5.6	0
01/07/2023 05:40	3.1	257	38	6.2	0
01/07/2023 05:50	2.8	253	47	5.4	0
01/07/2023 06:00	2.2	222	47	4.6	0
01/07/2023 06:10	2.4	225	57	4.2	0
01/07/2023 06:20	2.2	239	56	4.3	0
01/07/2023 06:30	2.7	237	47	6.1	0
01/07/2023 06:40	3	253	40	5.9	0
01/07/2023 06:50	3	250	42	5.6	0
01/07/2023 07:00	2.5	235	51	5.7	0
01/07/2023 07:10	3	235	53	5.6	0
01/07/2023 07:20	3.2	262	43	6.8	0
01/07/2023 07:30	3.4	262	39	5.9	0
01/07/2023 07:40	3.3	258	41	7.3	0
01/07/2023 07:50	3.1	238	37	5.8	0
01/07/2023 08:00	3.2	253	42	6.5	0
01/07/2023 08:10	2.8	238	43	5.4	0
01/07/2023 08:20	3	238	43	6.4	0
01/07/2023 08:30	3	254	52	7	0
01/07/2023 08:40	3.8	263	42	7.3	0
01/07/2023 08:50	3.8	267	27	6.8	0
01/07/2023 09:00	3.3	265	38	6	0
01/07/2023 09:10	3.2	246	49	5.9	0
01/07/2023 09:20	3.6	256	37	7.1	0
01/07/2023 09:30	4.3	266	36	7.6	0
01/07/2023 09:40	3.6	252	45	6.5	0
01/07/2023 09:50	3.6	258	36	6.2	0
01/07/2023 10:00	4.4	271	32	6.9	0
01/07/2023 10:10	5	272	22	8	0
01/07/2023 10:20	4.8	265	30	8.2	0
01/07/2023 10:30	5.1	270	25	8.9	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/07/2023 10:40	4.4	266	31	8.5	0
01/07/2023 10:50	5	269	29	7.5	0
01/07/2023 11:00	5.7	272	23	8	0
01/07/2023 11:10	5	270	27	8.2	0
01/07/2023 11:20	5.6	278	21	8.5	0
01/07/2023 11:30	6	270	20	8.7	0
01/07/2023 11:40	5.3	271	25	8.7	0
01/07/2023 11:50	5.6	274	21	8.6	0
01/07/2023 12:00	4.8	279	34	9.1	0
01/07/2023 12:10	5	277	24	7.9	0
01/07/2023 12:20	5.1	275	29	7.8	0
01/07/2023 12:30	5	275	29	9	0
01/07/2023 12:40	5.5	273	21	8.4	0
01/07/2023 12:50	5.9	275	23	9.2	0
01/07/2023 13:00	6.3	275	19	9.7	0
01/07/2023 13:10	6.1	274	20	9.4	0
01/07/2023 13:20	5.7	276	27	9.5	0
01/07/2023 13:30	6.1	262	24	10	0
01/07/2023 13:40	6.3	269	24	10.2	0
01/07/2023 13:50	6.1	270	26	9.1	0
01/07/2023 14:00	6.3	271	22	9.6	0
01/07/2023 14:10	5.8	273	22	9.9	0
01/07/2023 14:20	6.5	271	21	10.1	0
01/07/2023 14:30	6.2	265	24	9.5	0
01/07/2023 14:40	5.2	271	27	10.1	0
01/07/2023 14:50	4.2	251	41	7.9	0
01/07/2023 15:00	5.8	270	27	9.1	0
01/07/2023 15:10	5.2	271	34	9	0
01/07/2023 15:20	4.8	264	43	8.7	0
01/07/2023 15:30	5.6	267	27	9.1	0
01/07/2023 15:40	6.3	273	22	10.3	0
01/07/2023 15:50	6.1	272	29	9.6	0
01/07/2023 16:00	5.8	271	25	9.8	0
01/07/2023 16:10	6.1	272	23	10.4	0
01/07/2023 16:20	5.8	268	29	10.5	0
01/07/2023 16:30	4.9	263	36	9.1	0
01/07/2023 16:40	5.6	270	26	9.1	0
01/07/2023 16:50	5.4	259	35	11.3	0
01/07/2023 17:00	4.5	265	34	8.8	0
01/07/2023 17:10	4.6	258	38	8.4	0
01/07/2023 17:20	3.8	243	48	7.5	0
01/07/2023 17:30	4	257	40	8.1	0
01/07/2023 17:40	4.4	258	36	7.9	0
01/07/2023 17:50	4.6	268	34	8.4	0
01/07/2023 18:00	3.7	245	59	7.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/07/2023 18:10	4.8	262	33	8.4	0
01/07/2023 18:20	4.8	270	33	9.4	0
01/07/2023 18:30	4.3	272	44	7.2	0
01/07/2023 18:40	5	264	33	8.1	0
01/07/2023 18:50	4	248	50	7.4	0
01/07/2023 19:00	3.7	254	42	6.8	0
01/07/2023 19:10	3.6	261	43	6.4	0
01/07/2023 19:20	3.7	260	48	7.4	0
01/07/2023 19:30	3	245	52	6.5	0
01/07/2023 19:40	3.8	265	38	7.2	0
01/07/2023 19:50	4.6	264	28	7.5	0
01/07/2023 20:00	4.1	270	25	6.5	0
01/07/2023 20:10	4.1	275	27	7.8	0
01/07/2023 20:20	3.7	272	30	6.4	0
01/07/2023 20:30	3.5	270	27	6.2	0
01/07/2023 20:40	3.5	265	39	6.7	0
01/07/2023 20:50	3	239	42	5.1	0
01/07/2023 21:00	3.1	247	39	6.4	0
01/07/2023 21:10	3.6	257	31	6.5	0
01/07/2023 21:20	3	259	45	5.7	0
01/07/2023 21:30	3.2	241	46	6.1	0
01/07/2023 21:40	3.2	262	41	5.5	0
01/07/2023 21:50	3.3	254	46	6	0
01/07/2023 22:00	3.1	261	60	6	0
01/07/2023 22:10	3	255	66	5.9	0
01/07/2023 22:20	2.9	262	49	6.2	0
01/07/2023 22:30	2.7	253	54	6	0
01/07/2023 22:40	4	270	26	6.4	0
01/07/2023 22:50	4.1	273	24	6.4	0
01/07/2023 23:00	4.2	271	23	6.5	0
01/07/2023 23:10	3.7	268	33	6.8	0
01/07/2023 23:20	3.7	270	28	5.7	0
01/07/2023 23:30	3.3	271	31	6	0
01/07/2023 23:40	3	270	39	5.6	0
01/07/2023 23:50	3.5	265	41	6.8	0
01/08/2023 00:00	4.3	275	25	7.4	0
01/08/2023 00:10	3.7	272	28	6.6	0
01/08/2023 00:20	4.4	272	24	7.2	0
01/08/2023 00:30	4.8	271	19	7.2	0
01/08/2023 00:40	4.1	268	29	6.8	0
01/08/2023 00:50	5	270	24	7.2	0
01/08/2023 01:00	4.4	266	28	8.4	0
01/08/2023 01:10	4.2	269	28	7.1	0
01/08/2023 01:20	4	266	29	6.8	0
01/08/2023 01:30	3.6	273	39	6.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/08/2023 01:40	2.9	248	63	6.8	0
01/08/2023 01:50	3	238	57	6.9	0
01/08/2023 02:00	2.5	225	60	5.2	0
01/08/2023 02:10	2.7	255	66	5	0
01/08/2023 02:20	2	233	61	4.8	0
01/08/2023 02:30	2.7	247	41	5.2	0
01/08/2023 02:40	2.9	228	51	5.7	0
01/08/2023 02:50	2.6	246	45	5.3	0
01/08/2023 03:00	3.4	255	32	5.6	0
01/08/2023 03:10	3.8	256	33	7.1	0
01/08/2023 03:20	2.8	255	53	6.5	0
01/08/2023 03:30	3	249	46	6.4	0
01/08/2023 03:40	3.1	248	46	5.6	0
01/08/2023 03:50	3	256	41	5.6	0
01/08/2023 04:00	3	247	52	6.5	0
01/08/2023 04:10	2.9	248	55	6.7	0
01/08/2023 04:20	2.9	239	56	6.1	0
01/08/2023 04:30	3.4	253	37	6.2	0
01/08/2023 04:40	3	246	48	6	0
01/08/2023 04:50	3	256	39	5.6	0
01/08/2023 05:00	3.4	242	36	5.8	0
01/08/2023 05:10	2.6	242	45	5.5	0
01/08/2023 05:20	2.5	244	62	4.8	0
01/08/2023 05:30	2.8	257	32	5.1	0
01/08/2023 05:40	2.7	246	37	5	0
01/08/2023 05:50	2.7	265	36	5.2	0
01/08/2023 06:00	2.9	261	35	5.6	0
01/08/2023 06:10	3.1	246	33	6.1	0
01/08/2023 06:20	3.4	248	34	5.9	0
01/08/2023 06:30	3.3	256	34	5.8	0
01/08/2023 06:40	2.7	252	44	5.5	0
01/08/2023 06:50	3.1	245	42	6.1	0
01/08/2023 07:00	2.9	251	44	6.3	0
01/08/2023 07:10	2.1	258	59	5	0
01/08/2023 07:20	2.1	233	68	4.3	0
01/08/2023 07:30	2.4	239	56	5.4	0
01/08/2023 07:40	3.1	252	40	5.9	0
01/08/2023 07:50	3.3	259	32	5.9	0
01/08/2023 08:00	3.3	256	35	5.8	0
01/08/2023 08:10	3.7	270	25	6.8	0
01/08/2023 08:20	4.3	275	20	6.8	0
01/08/2023 08:30	3	268	45	5.9	0
01/08/2023 08:40	3.4	259	36	6.6	0
01/08/2023 08:50	3.6	256	32	6.8	0
01/08/2023 09:00	3.6	265	30	6.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/08/2023 09:10	3.9	269	24	6	0
01/08/2023 09:20	4.2	272	22	6.8	0
01/08/2023 09:30	4	271	25	6.2	0
01/08/2023 09:40	4.1	273	24	6.7	0
01/08/2023 09:50	4.1	276	22	6.3	0
01/08/2023 10:00	4.1	269	27	7	0
01/08/2023 10:10	4.1	274	23	6.8	0
01/08/2023 10:20	4.5	272	21	6.6	0
01/08/2023 10:30	4.8	273	21	7.5	0
01/08/2023 10:40	5.3	280	19	7.9	0
01/08/2023 10:50	5.2	274	20	7.8	0
01/08/2023 11:00	5.1	267	22	7.7	0
01/08/2023 11:10	4.9	277	22	7.3	0
01/08/2023 11:20	5	266	25	7.8	0
01/08/2023 11:30	5.2	272	20	7.5	0
01/08/2023 11:40	4.8	274	18	7.1	0
01/08/2023 11:50	4.8	271	20	6.8	0
01/08/2023 12:00	5.3	266	20	8.3	0
01/08/2023 12:10	5.5	270	20	8.1	0
01/08/2023 12:20	5.3	279	19	8.2	0
01/08/2023 12:30	5.3	277	18	8.2	0
01/08/2023 12:40	4.9	271	21	7.5	0
01/08/2023 12:50	5.6	267	25	8.2	0
01/08/2023 13:00	5.1	265	26	8.3	0
01/08/2023 13:10	6.3	304	20	9.2	0
01/08/2023 13:20	7.2	302	17	10.7	0
01/08/2023 13:30	7.6	301	17	11.6	0
01/08/2023 13:40	6.5	297	17	10	0
01/08/2023 13:50	5.9	286	21	8.9	0
01/08/2023 14:00	5.5	275	22	8.7	0
01/08/2023 14:10	5.3	282	22	8.5	0
01/08/2023 14:20	5.8	282	23	9.5	0
01/08/2023 14:30	6.2	272	20	10.1	0
01/08/2023 14:40	6.7	270	17	9.9	0
01/08/2023 14:50	6.3	274	21	9.5	0
01/08/2023 15:00	6.2	275	21	9.6	0
01/08/2023 15:10	5.7	277	23	8.7	0
01/08/2023 15:20	5.9	286	23	8.9	0
01/08/2023 15:30	6.3	282	23	9	0
01/08/2023 15:40	6.2	288	24	9.7	0
01/08/2023 15:50	6.1	284	20	10.1	0
01/08/2023 16:00	6.2	281	22	10	0
01/08/2023 16:10	6	272	24	9.1	0
01/08/2023 16:20	6.2	270	22	9.1	0
01/08/2023 16:30	5.6	272	23	8.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/08/2023 16:40	5.5	267	39	8.8	0
01/08/2023 16:50	5.2	263	35	9.3	0
01/08/2023 17:00	5.6	265	27	10	0
01/08/2023 17:10	6.4	265	20	10.3	0
01/08/2023 17:20	5.3	270	27	8.7	0
01/08/2023 17:30	5.4	268	21	8.4	0
01/08/2023 17:40	4.6	267	30	7.8	0
01/08/2023 17:50	5	271	24	8.6	0
01/08/2023 18:00	5.7	272	19	8.3	0
01/08/2023 18:10	5.3	272	22	8.7	0
01/08/2023 18:20	6.1	270	19	9.5	0
01/08/2023 18:30	6	275	21	8.4	0
01/08/2023 18:40	5.2	269	20	8.3	0
01/08/2023 18:50	4.9	263	26	7	0
01/08/2023 19:00	4.9	266	23	9.2	0
01/08/2023 19:10	4.8	265	28	6.8	0
01/08/2023 19:20	4.9	266	23	8	0
01/08/2023 19:30	5.4	267	23	7.5	0
01/08/2023 19:40	4.6	266	31	7.7	0
01/08/2023 19:50	4.3	278	30	7.3	0
01/08/2023 20:00	5.2	267	26	7.9	0
01/08/2023 20:10	4	264	41	6.6	0
01/08/2023 20:20	4.4	267	27	7.8	0
01/08/2023 20:30	4.4	266	33	7.2	0
01/08/2023 20:40	4.3	271	23	6.9	0
01/08/2023 20:50	4.4	271	24	6.8	0
01/08/2023 21:00	3.8	259	44	7.6	0
01/08/2023 21:10	2.7	251	49	6	0
01/08/2023 21:20	3.7	265	36	7.1	0
01/08/2023 21:30	2.6	245	51	4.8	0
01/08/2023 21:40	2.8	258	54	5.3	0
01/08/2023 21:50	2.9	264	44	5.8	0
01/08/2023 22:00	3.4	273	32	5.7	0
01/08/2023 22:10	3.3	270	39	5.8	0
01/08/2023 22:20	3.7	271	31	6.9	0
01/08/2023 22:30	3.7	271	32	6	0
01/08/2023 22:40	3.2	271	39	5.1	0
01/08/2023 22:50	2.9	268	45	6	0
01/08/2023 23:00	3.4	274	33	5.9	0
01/08/2023 23:10	3.1	266	32	5.9	0
01/08/2023 23:20	3.2	274	32	6	0
01/08/2023 23:30	3	270	50	5.8	0
01/08/2023 23:40	3	266	37	5.4	0
01/08/2023 23:50	2.4	265	50	4.8	0
01/09/2023 00:00	3.6	276	27	5.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/09/2023 00:10	3.5	267	30	6.2	0
01/09/2023 00:20	2.5	259	59	4.4	0
01/09/2023 00:30	1.8	231	58	3.6	0
01/09/2023 00:40	2.1	245	48	3.8	0
01/09/2023 00:50	2.1	246	49	3.8	0
01/09/2023 01:00	2.1	250	55	4.4	0
01/09/2023 01:10	2.4	253	49	4.7	0
01/09/2023 01:20	2.1	248	64	5.1	0
01/09/2023 01:30	1.9	239	56	4.5	0
01/09/2023 01:40	1.7	226	60	3.5	0
01/09/2023 01:50	2	230	52	3.7	0
01/09/2023 02:00	1.9	246	49	3.8	0
01/09/2023 02:10	1.7	254	64	3.5	0
01/09/2023 02:20	1.3	241	70	2.3	0
01/09/2023 02:30	1.2	173	73	2.5	0
01/09/2023 02:40	1.1	204	63	2	0
01/09/2023 02:50	1.3	198	55	2.5	0
01/09/2023 03:00	1.3	199	52	2.3	0
01/09/2023 03:10	1.3	208	80	2.7	0
01/09/2023 03:20	1.1	161	61	2.3	0
01/09/2023 03:30	1.3	235	81	2.5	0
01/09/2023 03:40	0.9	138	56	2	0
01/09/2023 03:50	1	115	83	2.2	0
01/09/2023 04:00	0.8	328	44	1.6	0
01/09/2023 04:10	1.4	338	20	2.1	0
01/09/2023 04:20	1	282	24	2.1	0
01/09/2023 04:30	1.5	176	31	2.4	0
01/09/2023 04:40	0.9	160	44	1.8	0
01/09/2023 04:50	1.1	169	49	2.4	0
01/09/2023 05:00	1.3	191	40	2.6	0
01/09/2023 05:10	1.2	269	43	2.4	0
01/09/2023 05:20	2.8	202	22	4.4	0
01/09/2023 05:30	3.6	191	14	5.6	0
01/09/2023 05:40	4	193	10	5.6	0
01/09/2023 05:50	4.7	195	9	6	0
01/09/2023 06:00	4.2	195	11	5.6	0
01/09/2023 06:10	2.5	154	24	3.6	0
01/09/2023 06:20	2.2	151	19	3.6	0
01/09/2023 06:30	2.8	169	16	3.8	0
01/09/2023 06:40	2.4	161	18	3.6	0
01/09/2023 06:50	2.6	135	22	4	0
01/09/2023 07:00	3	134	25	5.1	0
01/09/2023 07:10	3.2	137	19	4.8	0
01/09/2023 07:20	3.1	142	19	5.6	0
01/09/2023 07:30	3.2	116	26	5.6	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/09/2023 07:40	3	128	29	5.5	0
01/09/2023 07:50	3.1	134	26	4.6	0
01/09/2023 08:00	3.3	147	20	5.8	0
01/09/2023 08:10	3.1	146	25	5.1	0
01/09/2023 08:20	2.6	130	23	4.1	0
01/09/2023 08:30	2.1	115	42	3.2	0
01/09/2023 08:40	3.2	114	18	5	0
01/09/2023 08:50	2.9	115	19	4.1	0
01/09/2023 09:00	3	82	20	4.2	0
01/09/2023 09:10	3.1	84	12	4.3	0
01/09/2023 09:20	2.7	77	15	4.1	0
01/09/2023 09:30	3.6	69	14	4.8	0
01/09/2023 09:40	3.8	60	14	5.6	0
01/09/2023 09:50	3.9	59	13	5.3	0
01/09/2023 10:00	4.2	57	11	5.7	0
01/09/2023 10:10	4.2	60	13	5.9	0
01/09/2023 10:20	4.7	57	12	6.5	0
01/09/2023 10:30	5.1	59	9	6.5	0
01/09/2023 10:40	4.6	61	10	6	0
01/09/2023 10:50	4.1	55	15	5.6	0
01/09/2023 11:00	4.5	57	13	6	0
01/09/2023 11:10	4.4	51	12	5.8	0
01/09/2023 11:20	4.3	51	14	6	0
01/09/2023 11:30	4.8	51	12	6.1	0
01/09/2023 11:40	4.6	49	14	6.3	0
01/09/2023 11:50	4.3	48	15	5.7	0
01/09/2023 12:00	4.1	50	14	5.5	0
01/09/2023 12:10	4.1	53	15	5.5	0
01/09/2023 12:20	4.5	59	12	5.6	0
01/09/2023 12:30	4	53	14	5.3	0
01/09/2023 12:40	4.1	56	13	5.6	0
01/09/2023 12:50	5	62	10	6.1	0
01/09/2023 13:00	4.7	60	11	5.9	0
01/09/2023 13:10	4.5	59	10	5.6	0
01/09/2023 13:20	4.2	59	12	5.7	0
01/09/2023 13:30	4.5	52	13	6	0
01/09/2023 13:40	4.4	52	15	5.8	0
01/09/2023 13:50	4.4	48	13	6	0
01/09/2023 14:00	4.1	53	13	5.2	0
01/09/2023 14:10	3.7	48	15	5	0
01/09/2023 14:20	4.6	42	13	6.2	0
01/09/2023 14:30	4.2	45	13	5.8	0
01/09/2023 14:40	3.7	59	16	5	0
01/09/2023 14:50	4	59	14	5.2	0
01/09/2023 15:00	4	60	14	5.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/09/2023 15:10	4.1	62	12	5.6	0
01/09/2023 15:20	4.2	57	13	5.7	0
01/09/2023 15:30	5.1	48	12	6.9	0
01/09/2023 15:40	4.9	50	11	6.6	0
01/09/2023 15:50	5	48	13	6.7	0
01/09/2023 16:00	4.6	48	11	6.1	0
01/09/2023 16:10	4.3	51	12	6	0
01/09/2023 16:20	3.9	27	18	5.5	0
01/09/2023 16:30	4.2	174	20	6.2	0
01/09/2023 16:40	4.6	341	14	6.2	0
01/09/2023 16:50	4.5	337	13	6.3	0
01/09/2023 17:00	4.6	332	13	6.4	0
01/09/2023 17:10	4.4	324	15	6.2	0
01/09/2023 17:20	3.5	316	19	5.5	0
01/09/2023 17:30	2.6	293	23	3.8	0
01/09/2023 17:40	2	295	25	3.3	0
01/09/2023 17:50	2.8	292	19	4.1	0
01/09/2023 18:00	2.7	284	26	3.9	0
01/09/2023 18:10	2.8	276	22	4.3	0
01/09/2023 18:20	2.8	284	22	4.4	0
01/09/2023 18:30	2.7	286	22	4.1	0
01/09/2023 18:40	2.9	297	20	4.3	0
01/09/2023 18:50	2.6	305	19	4	0
01/09/2023 19:00	3	299	16	4.3	0
01/09/2023 19:10	2.5	300	18	3.6	0
01/09/2023 19:20	2.1	282	23	3.2	0
01/09/2023 19:30	2.3	274	21	3.5	0
01/09/2023 19:40	2.3	277	25	3.8	0
01/09/2023 19:50	2.3	276	23	4	0
01/09/2023 20:00	1.8	273	23	3.2	0
01/09/2023 20:10	2	274	21	2.9	0
01/09/2023 20:20	1.5	289	23	2.7	0
01/09/2023 20:30	1.9	275	19	2.8	0
01/09/2023 20:40	1.9	273	19	2.7	0
01/09/2023 20:50	1.3	261	34	2.1	0
01/09/2023 21:00	1.7	190	18	3	0
01/09/2023 21:10	1.2	245	28	2.1	0
01/09/2023 21:20	1.2	291	20	1.6	0
01/09/2023 21:30	1	247	49	1.6	0
01/09/2023 21:40	1	310	32	1.7	0
01/09/2023 21:50	0.8	196	23	1.3	0
01/09/2023 22:00	0.8	184	11	1.1	0
01/09/2023 22:10	0.6	336	13	0.9	0
01/09/2023 22:20	1	187	20	1.6	0
01/09/2023 22:30	0.8	160	54	1.5	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/09/2023 22:40	0.3	207	5	0.9	0
01/09/2023 22:50	0.8	63	15	1.2	0
01/09/2023 23:00	0.6	34	13	1.2	0
01/09/2023 23:10	0.6	175	15	1.1	0
01/09/2023 23:20	0.3	340	10	1.2	0
01/09/2023 23:30	0.1	65	2	0.7	0
01/09/2023 23:40	1.3	93	10	1.6	0
01/09/2023 23:50	0.8	202	27	1.3	0
01/10/2023 00:00	0.5	191	23	1	0
01/10/2023 00:10	0.9	343	16	1.1	0
01/10/2023 00:20	1.2	337	6	1.6	0
01/10/2023 00:30	0.5	182	17	0.9	0
01/10/2023 00:40	0.4	206	23	1.2	0
01/10/2023 00:50	1.2	281	17	1.7	0
01/10/2023 01:00	1.8	271	19	3	0
01/10/2023 01:10	1.7	272	21	2.7	0
01/10/2023 01:20	1.7	276	22	2.7	0
01/10/2023 01:30	1.6	269	23	2.4	0
01/10/2023 01:40	1.6	278	18	2.4	0
01/10/2023 01:50	1.6	273	25	2.6	0
01/10/2023 02:00	1.2	242	43	2	0
01/10/2023 02:10	2	195	16	3.2	0
01/10/2023 02:20	1.5	205	40	2.4	0
01/10/2023 02:30	1.5	234	34	2.5	0
01/10/2023 02:40	1.3	242	33	1.9	0
01/10/2023 02:50	1.5	273	15	2.2	0
01/10/2023 03:00	1.4	280	20	2.3	0
01/10/2023 03:10	1.2	258	35	1.9	0
01/10/2023 03:20	1.4	201	26	2.6	0
01/10/2023 03:30	1.9	201	13	2.8	0
01/10/2023 03:40	1.6	196	13	2.3	0
01/10/2023 03:50	1.7	199	14	2.1	0
01/10/2023 04:00	1.2	241	15	2	0
01/10/2023 04:10	1.1	282	17	1.6	0
01/10/2023 04:20	1.5	236	26	2.4	0
01/10/2023 04:30	1.7	240	24	2.4	0
01/10/2023 04:40	1.7	277	26	2.9	0
01/10/2023 04:50	1.6	282	20	2.5	0
01/10/2023 05:00	1.8	274	22	2.9	0
01/10/2023 05:10	1.7	283	22	2.7	0
01/10/2023 05:20	1.9	293	22	2.8	0
01/10/2023 05:30	1.5	276	25	2.6	0
01/10/2023 05:40	1.6	276	25	2.8	0
01/10/2023 05:50	1.8	277	20	2.6	0
01/10/2023 06:00	1.6	269	21	2.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/10/2023 06:10	1.7	262	20	2.4	0
01/10/2023 06:20	1.9	266	19	2.8	0
01/10/2023 06:30	1.8	276	22	2.8	0
01/10/2023 06:40	1.7	278	28	2.8	0
01/10/2023 06:50	2	277	22	3.2	0
01/10/2023 07:00	2.2	278	22	3.3	0
01/10/2023 07:10	2.6	265	19	3.9	0
01/10/2023 07:20	2.3	273	19	3.5	0
01/10/2023 07:30	2.3	263	21	3.6	0
01/10/2023 07:40	2.2	278	26	3.6	0
01/10/2023 07:50	2.2	285	25	3.7	0
01/10/2023 08:00	2	269	21	3.2	0
01/10/2023 08:10	2.2	291	31	3.6	0
01/10/2023 08:20	1.8	290	27	3.3	0
01/10/2023 08:30	2.1	284	22	3.5	0
01/10/2023 08:40	2.1	262	26	3.2	0
01/10/2023 08:50	2.1	280	25	3.9	0
01/10/2023 09:00	2.1	271	35	3.4	0
01/10/2023 09:10	2.1	274	35	3.3	0
01/10/2023 09:20	1.6	276	62	3.2	0
01/10/2023 09:30	2.1	287	40	3.6	0
01/10/2023 09:40	2.4	279	38	3.5	0
01/10/2023 09:50	2.6	289	27	4	0
01/10/2023 10:00	2.6	281	30	3.7	0
01/10/2023 10:10	2.4	283	31	3.7	0
01/10/2023 10:20	2	230	33	3.6	0
01/10/2023 10:30	2.3	286	29	3.9	0
01/10/2023 10:40	2.6	289	30	3.9	0
01/10/2023 10:50	2.3	278	33	4.1	0
01/10/2023 11:00	2.4	237	46	4.4	0
01/10/2023 11:10	2.2	247	35	4.4	0
01/10/2023 11:20	2.5	260	35	4.8	0
01/10/2023 11:30	2.4	255	38	4.1	0
01/10/2023 11:40	2.7	268	41	4.5	0
01/10/2023 11:50	2.4	285	36	4.5	0
01/10/2023 12:00	2.5	291	32	4	0
01/10/2023 12:10	2.6	265	25	4.2	0
01/10/2023 12:20	2.6	270	33	4.1	0
01/10/2023 12:30	2.9	288	36	5.7	0
01/10/2023 12:40	3	271	25	4.5	0
01/10/2023 12:50	3.3	281	31	5.6	0
01/10/2023 13:00	3.5	290	25	5.6	0
01/10/2023 13:10	3.5	294	26	5.8	0
01/10/2023 13:20	3.4	286	29	5.2	0
01/10/2023 13:30	3.2	280	31	5.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/10/2023 13:40	3.4	290	24	5.2	0
01/10/2023 13:50	3.7	286	22	5	0
01/10/2023 14:00	3.3	287	28	5.2	0
01/10/2023 14:10	3.2	286	27	5.1	0
01/10/2023 14:20	3.5	288	22	5.9	0
01/10/2023 14:30	3.2	280	24	4.8	0
01/10/2023 14:40	3.6	283	23	5.5	0
01/10/2023 14:50	3.8	300	20	6	0
01/10/2023 15:00	3.7	285	22	5.6	0
01/10/2023 15:10	3.9	287	27	5.7	0
01/10/2023 15:20	3.9	292	25	5.9	0
01/10/2023 15:30	4	283	24	6.2	0
01/10/2023 15:40	3.8	278	23	6.3	0
01/10/2023 15:50	4.3	290	24	7.4	0
01/10/2023 16:00	4.4	299	23	6.7	0
01/10/2023 16:10	4.2	289	25	7.2	0
01/10/2023 16:20	4.8	300	19	6.8	0
01/10/2023 16:30	4.9	291	20	6.8	0
01/10/2023 16:40	4.8	296	21	7.1	0
01/10/2023 16:50	4.7	296	22	6.8	0
01/10/2023 17:00	5.1	298	20	7.5	0
01/10/2023 17:10	5	302	20	7.7	0
01/10/2023 17:20	4.7	292	22	7	0
01/10/2023 17:30	4.4	294	21	6.7	0
01/10/2023 17:40	5.1	302	16	7.5	0
01/10/2023 17:50	4.9	297	17	7.2	0
01/10/2023 18:00	5.1	299	18	7.1	0
01/10/2023 18:10	5	300	19	7.5	0
01/10/2023 18:20	5.1	293	18	7.7	0
01/10/2023 18:30	4.8	297	21	7.5	0
01/10/2023 18:40	4.6	296	20	7.1	0
01/10/2023 18:50	4	298	25	7.1	0
01/10/2023 19:00	4.2	296	21	6.8	0
01/10/2023 19:10	4.2	291	19	6.8	0
01/10/2023 19:20	4.3	281	19	6.8	0
01/10/2023 19:30	4.1	291	24	6.6	0
01/10/2023 19:40	4.2	297	22	6.9	0
01/10/2023 19:50	3.8	278	27	5.7	0
01/10/2023 20:00	4.4	278	18	6.7	0
01/10/2023 20:10	4.5	286	20	6.5	0
01/10/2023 20:20	3.9	283	19	6.4	0
01/10/2023 20:30	4.4	287	21	6.2	0
01/10/2023 20:40	4.1	277	23	6.9	0
01/10/2023 20:50	4.1	278	23	6.1	0
01/10/2023 21:00	3.8	279	25	6.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/10/2023 21:10	4	273	24	6.5	0
01/10/2023 21:20	3.6	268	33	6.5	0
01/10/2023 21:30	4	270	24	7.2	0
01/10/2023 21:40	4	270	24	6	0
01/10/2023 21:50	3.2	266	37	5.3	0
01/10/2023 22:00	3.3	268	41	6	0
01/10/2023 22:10	2.6	258	47	5.3	0
01/10/2023 22:20	2.3	263	52	4.6	0
01/10/2023 22:30	2.2	278	45	4.4	0
01/10/2023 22:40	2.8	277	35	5.4	0
01/10/2023 22:50	3.1	271	30	5.3	0
01/10/2023 23:00	2.4	268	42	4.4	0
01/10/2023 23:10	3.8	274	21	5.6	0
01/10/2023 23:20	2.8	265	38	5.4	0
01/10/2023 23:30	3.4	269	32	5.9	0
01/10/2023 23:40	2.8	267	37	5.1	0
01/10/2023 23:50	2.7	274	38	4.8	0
01/11/2023 00:00	3.4	270	25	6.1	0
01/11/2023 00:10	3.4	272	20	5	0
01/11/2023 00:20	3	270	27	5.2	0
01/11/2023 00:30	3.2	272	22	5.3	0
01/11/2023 00:40	3.5	272	22	5	0
01/11/2023 00:50	3.2	272	17	5.1	0
01/11/2023 01:00	3.4	273	20	5.5	0
01/11/2023 01:10	2.9	282	18	4.8	0
01/11/2023 01:20	2.7	275	18	4.4	0
01/11/2023 01:30	3.4	263	19	5.2	0
01/11/2023 01:40	3.5	274	19	5.1	0
01/11/2023 01:50	3.6	270	20	5	0
01/11/2023 02:00	3.4	285	19	5.5	0
01/11/2023 02:10	2.8	286	22	4.5	0
01/11/2023 02:20	2.4	277	28	3.8	0
01/11/2023 02:30	2.3	282	28	3.8	0
01/11/2023 02:40	2.2	291	24	3.6	0
01/11/2023 02:50	2.5	283	22	3.7	0
01/11/2023 03:00	2.2	277	22	4	0
01/11/2023 03:10	1.9	292	28	3.4	0
01/11/2023 03:20	2.2	297	21	3.7	0
01/11/2023 03:30	2.2	297	23	3.4	0
01/11/2023 03:40	2.4	294	19	3.9	0
01/11/2023 03:50	2.1	280	22	3.7	0
01/11/2023 04:00	2	292	25	2.9	0
01/11/2023 04:10	1.9	280	20	3.1	0
01/11/2023 04:20	1.7	282	17	2.6	0
01/11/2023 04:30	1.9	275	19	2.8	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/11/2023 04:40	1.7	268	21	2.8	0
01/11/2023 04:50	1.6	263	40	2.6	0
01/11/2023 05:00	1	242	56	1.9	0
01/11/2023 05:10	1	259	31	2.3	0
01/11/2023 05:20	1.1	256	32	2.3	0
01/11/2023 05:30	0.5	238	36	1.3	0
01/11/2023 05:40	1.1	238	45	2.4	0
01/11/2023 05:50	1.4	242	42	2.7	0
01/11/2023 06:00	1.3	252	47	2.4	0
01/11/2023 06:10	1.6	270	32	2.8	0
01/11/2023 06:20	1.5	273	41	3.1	0
01/11/2023 06:30	1.5	247	39	3	0
01/11/2023 06:40	1.7	248	42	2.9	0
01/11/2023 06:50	1.3	246	56	2.6	0
01/11/2023 07:00	1.9	263	30	3.4	0
01/11/2023 07:10	2.4	236	38	4.4	0
01/11/2023 07:20	2.5	189	16	3.4	0
01/11/2023 07:30	3	194	15	4.3	0
01/11/2023 07:40	3.6	201	12	4.9	0
01/11/2023 07:50	3.3	202	11	4.4	0
01/11/2023 08:00	2.9	203	13	4	0
01/11/2023 08:10	2.3	197	14	3.3	0
01/11/2023 08:20	2.1	158	27	3.4	0
01/11/2023 08:30	1.9	160	34	3.4	0
01/11/2023 08:40	1.9	138	28	3.2	0
01/11/2023 08:50	2	132	22	3.2	0
01/11/2023 09:00	2.3	131	25	4.1	0
01/11/2023 09:10	2.2	120	30	3.6	0
01/11/2023 09:20	2.3	114	16	3.4	0
01/11/2023 09:30	2.1	98	28	3.4	0
01/11/2023 09:40	2.1	59	19	3.3	0
01/11/2023 09:50	2.2	59	22	3.1	0
01/11/2023 10:00	2.1	59	20	3.1	0
01/11/2023 10:10	2.3	61	16	3.2	0
01/11/2023 10:20	2.6	53	18	3.6	0
01/11/2023 10:30	3	63	14	3.8	0
01/11/2023 10:40	3.5	62	9	4.2	0
01/11/2023 10:50	3.7	60	10	4.7	0
01/11/2023 11:00	3.7	55	13	4.8	0
01/11/2023 11:10	3.7	62	11	4.6	0
01/11/2023 11:20	3.8	66	11	4.8	0
01/11/2023 11:30	3.9	50	12	4.8	0
01/11/2023 11:40	3.7	54	15	4.8	0
01/11/2023 11:50	3.5	58	13	4.7	0
01/11/2023 12:00	3.8	57	13	5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/11/2023 12:10	4.3	65	10	5.4	0
01/11/2023 12:20	4	67	10	5.2	0
01/11/2023 12:30	3.9	65	13	5.3	0
01/11/2023 12:40	3.8	60	14	5.1	0
01/11/2023 12:50	4	57	14	5.2	0
01/11/2023 13:00	4	60	15	5	0
01/11/2023 13:10	4.2	64	10	5.1	0
01/11/2023 13:20	4	58	13	5.2	0
01/11/2023 13:30	3.9	62	12	4.9	0
01/11/2023 13:40	4.1	61	11	5.3	0
01/11/2023 13:50	3.5	36	20	4.9	0
01/11/2023 14:00	3.5	198	33	5.4	0
01/11/2023 14:10	4.2	347	16	6.7	0
01/11/2023 14:20	3.8	349	14	5.6	0
01/11/2023 14:30	3.8	170	18	5.3	0
01/11/2023 14:40	3.8	324	18	5.6	0
01/11/2023 14:50	4	327	20	5.5	0
01/11/2023 15:00	4.1	314	20	6	0
01/11/2023 15:10	3.4	291	24	5.5	0
01/11/2023 15:20	4.2	317	17	6.5	0
01/11/2023 15:30	3.6	304	23	5.8	0
01/11/2023 15:40	3.4	308	24	5.6	0
01/11/2023 15:50	3.5	310	24	5.6	0
01/11/2023 16:00	3.5	296	21	5.2	0
01/11/2023 16:10	3.6	279	24	5.2	0
01/11/2023 16:20	3.4	274	21	5.2	0
01/11/2023 16:30	3.5	280	23	5.2	0
01/11/2023 16:40	3.2	273	23	5.5	0
01/11/2023 16:50	3.3	288	25	5.1	0
01/11/2023 17:00	3.3	289	25	5.8	0
01/11/2023 17:10	4	259	21	5.8	0
01/11/2023 17:20	3.8	272	21	5.4	0
01/11/2023 17:30	3.4	267	20	5.2	0
01/11/2023 17:40	3.9	267	19	5.8	0
01/11/2023 17:50	3.5	273	20	5.2	0
01/11/2023 18:00	3.8	266	26	5.3	0
01/11/2023 18:10	3.6	270	25	5.2	0
01/11/2023 18:20	3.3	280	19	5	0
01/11/2023 18:30	3.8	274	16	5.5	0
01/11/2023 18:40	3.7	275	21	5.2	0
01/11/2023 18:50	3.4	266	22	5.6	0
01/11/2023 19:00	3.4	268	22	5.4	0
01/11/2023 19:10	2.7	269	26	4.5	0
01/11/2023 19:20	2.8	267	21	5	0
01/11/2023 19:30	2.7	277	19	4.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/11/2023 19:40	2.7	273	15	4	0
01/11/2023 19:50	2.7	279	15	4	0
01/11/2023 20:00	2.4	281	18	4	0
01/11/2023 20:10	2.8	279	17	4.2	0
01/11/2023 20:20	2.4	270	23	3.4	0
01/11/2023 20:30	2.1	270	26	3.2	0
01/11/2023 20:40	2.2	269	22	3.4	0
01/11/2023 20:50	1.7	250	45	3	0
01/11/2023 21:00	2.2	267	31	3.8	0
01/11/2023 21:10	2.5	261	27	4	0
01/11/2023 21:20	2	276	26	3.6	0
01/11/2023 21:30	2.1	265	28	3.6	0
01/11/2023 21:40	2.2	274	19	3.5	0
01/11/2023 21:50	1.9	275	24	3.2	0
01/11/2023 22:00	2.5	268	24	4	0
01/11/2023 22:10	2	285	26	3.2	0
01/11/2023 22:20	2	281	24	3.1	0
01/11/2023 22:30	1.9	272	24	3.6	0
01/11/2023 22:40	2	276	28	4	0
01/11/2023 22:50	2.2	270	27	4.7	0
01/11/2023 23:00	2.4	271	28	4	0
01/11/2023 23:10	2.2	279	24	3.8	0
01/11/2023 23:20	1.8	261	53	3.8	0
01/11/2023 23:30	1.6	275	38	3.1	0
01/11/2023 23:40	2.2	259	39	3.8	0
01/11/2023 23:50	1.9	248	50	3.5	0
01/12/2023 00:00	1.7	253	57	3.5	0
01/12/2023 00:10	2.5	277	23	4	0
01/12/2023 00:20	2.7	280	21	4.4	0
01/12/2023 00:30	2.2	278	30	3.7	0
01/12/2023 00:40	1.9	274	37	3.4	0
01/12/2023 00:50	1.9	253	47	3.6	0
01/12/2023 01:00	2.7	236	43	5.1	0
01/12/2023 01:10	3.4	206	28	6.1	0
01/12/2023 01:20	3.3	206	31	6.4	0
01/12/2023 01:30	4	203	30	7	0
01/12/2023 01:40	4.9	202	25	8.1	0
01/12/2023 01:50	4.7	206	22	7.5	0
01/12/2023 02:00	4.8	204	27	7.2	0
01/12/2023 02:10	4.5	205	27	7.7	0
01/12/2023 02:20	3.3	197	45	7	0
01/12/2023 02:30	3.1	210	42	5.9	0
01/12/2023 02:40	2.8	222	50	6.1	0
01/12/2023 02:50	3.1	206	42	6	0
01/12/2023 03:00	3.4	215	40	6.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/12/2023 03:10	3.1	211	41	5.8	0
01/12/2023 03:20	2.7	216	46	5.9	0
01/12/2023 03:30	1.9	232	67	4	0
01/12/2023 03:40	1.9	264	57	3.4	0
01/12/2023 03:50	2.5	260	45	4.2	0
01/12/2023 04:00	1.8	244	60	3.3	0
01/12/2023 04:10	1.7	255	52	3.7	0
01/12/2023 04:20	2	222	49	3.6	0
01/12/2023 04:30	1.9	210	59	4.4	0
01/12/2023 04:40	2.4	215	37	4.8	0
01/12/2023 04:50	2.7	219	41	4.6	0
01/12/2023 05:00	2.7	232	47	5.9	0
01/12/2023 05:10	2.5	224	40	5.2	0
01/12/2023 05:20	2.3	217	56	4.3	0
01/12/2023 05:30	2.4	228	51	4.2	0
01/12/2023 05:40	2.3	217	45	4.6	0
01/12/2023 05:50	1.9	235	62	3.8	0
01/12/2023 06:00	1.9	236	58	3.8	0
01/12/2023 06:10	1.3	262	81	2.7	0
01/12/2023 06:20	1.9	231	47	3.6	0
01/12/2023 06:30	1.7	229	59	4.7	0
01/12/2023 06:40	1.8	242	47	3.5	0
01/12/2023 06:50	2.1	252	31	3.6	0
01/12/2023 07:00	2.6	247	26	5.1	0
01/12/2023 07:10	2.5	241	27	4.3	0
01/12/2023 07:20	2	247	32	3.6	0
01/12/2023 07:30	2.3	229	31	4.1	0
01/12/2023 07:40	2.7	226	27	4.4	0
01/12/2023 07:50	2.8	217	24	4.3	0
01/12/2023 08:00	2.8	219	29	5.2	0
01/12/2023 08:10	2.5	221	20	3.7	0
01/12/2023 08:20	1.9	192	42	3.8	0
01/12/2023 08:30	1.9	159	46	3.1	0
01/12/2023 08:40	2.1	122	29	3.1	0
01/12/2023 08:50	2.1	104	27	3.3	0
01/12/2023 09:00	2.2	65	17	3.1	0
01/12/2023 09:10	2	53	15	2.8	0
01/12/2023 09:20	1.9	46	16	2.8	0
01/12/2023 09:30	2.2	55	21	3	0
01/12/2023 09:40	2.5	51	15	3.5	0
01/12/2023 09:50	2.6	66	15	3.3	0
01/12/2023 10:00	2.9	57	16	3.6	0
01/12/2023 10:10	3	62	11	4	0
01/12/2023 10:20	2.9	62	16	4	0
01/12/2023 10:30	3.2	62	16	4.3	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/12/2023 10:40	3.1	61	12	4.3	0
01/12/2023 10:50	3.7	57	13	4.9	0
01/12/2023 11:00	4.1	50	15	5.6	0
01/12/2023 11:10	4	47	12	5.6	0
01/12/2023 11:20	3.5	55	19	4.6	0
01/12/2023 11:30	3.5	51	17	4.8	0
01/12/2023 11:40	3.8	50	16	6	0
01/12/2023 11:50	3.8	48	16	5.2	0
01/12/2023 12:00	3.8	48	16	5	0
01/12/2023 12:10	3.5	52	15	4.9	0
01/12/2023 12:20	3.7	49	16	4.9	0
01/12/2023 12:30	3.6	38	15	5.2	0
01/12/2023 12:40	3.4	44	15	5.2	0
01/12/2023 12:50	3.7	44	15	5.5	0
01/12/2023 13:00	4.2	43	14	5.5	0
01/12/2023 13:10	4.1	41	15	5.6	0
01/12/2023 13:20	4.4	40	12	6	0
01/12/2023 13:30	4.8	38	13	7.1	0
01/12/2023 13:40	5	41	15	6.7	0
01/12/2023 13:50	4.9	31	16	6.7	0
01/12/2023 14:00	5.5	26	15	8.2	0
01/12/2023 14:10	5.4	34	14	7.3	0
01/12/2023 14:20	5.6	45	11	7.5	0
01/12/2023 14:30	5.1	47	13	6.8	0
01/12/2023 14:40	4.3	44	16	5.9	0
01/12/2023 14:50	5.2	181	15	7.4	0
01/12/2023 15:00	4.4	340	14	6.3	0
01/12/2023 15:10	4.2	336	18	6.4	0
01/12/2023 15:20	4	335	16	6	0
01/12/2023 15:30	3.9	345	20	6	0
01/12/2023 15:40	4.2	334	16	6.6	0
01/12/2023 15:50	4.6	346	16	6.9	0
01/12/2023 16:00	5	347	14	7.2	0
01/12/2023 16:10	5.4	341	14	7.6	0
01/12/2023 16:20	5.3	336	12	7.3	0
01/12/2023 16:30	5.2	335	14	6.7	0
01/12/2023 16:40	5.4	336	17	7.4	0
01/12/2023 16:50	4.1	334	22	6.6	0
01/12/2023 17:00	4.3	309	24	7.1	0
01/12/2023 17:10	3.9	275	25	6.2	0
01/12/2023 17:20	3.7	295	21	6.4	0
01/12/2023 17:30	3.6	273	27	5.9	0
01/12/2023 17:40	3.7	267	24	6	0
01/12/2023 17:50	4.1	266	17	6	0
01/12/2023 18:00	3.4	272	27	6.1	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/12/2023 18:10	3	270	34	5.2	0
01/12/2023 18:20	3.6	266	27	6.4	0
01/12/2023 18:30	3.4	266	28	6.1	0
01/12/2023 18:40	3.3	275	22	5.7	0
01/12/2023 18:50	2.7	265	35	4.5	0
01/12/2023 19:00	2.9	277	22	5.4	0
01/12/2023 19:10	2.4	271	29	4.9	0
01/12/2023 19:20	2.7	283	30	4.8	0
01/12/2023 19:30	2.9	281	19	4.4	0
01/12/2023 19:40	2.4	277	32	4.7	0
01/12/2023 19:50	3.2	276	20	4.8	0
01/12/2023 20:00	3.2	281	17	4.6	0
01/12/2023 20:10	2.8	274	22	4.7	0
01/12/2023 20:20	2.6	273	30	4.8	0
01/12/2023 20:30	2.8	273	28	4.5	0
01/12/2023 20:40	2.3	267	58	4.7	0
01/12/2023 20:50	2.3	242	45	4.2	0
01/12/2023 21:00	2.3	261	39	3.9	0
01/12/2023 21:10	2.6	268	34	4.9	0
01/12/2023 21:20	2.3	278	31	3.8	0
01/12/2023 21:30	2.2	254	38	3.9	0
01/12/2023 21:40	2.5	265	27	4.1	0
01/12/2023 21:50	2.7	264	27	4.3	0
01/12/2023 22:00	2.3	267	33	4	0
01/12/2023 22:10	2.6	262	27	4.1	0
01/12/2023 22:20	2.3	268	40	4.7	0
01/12/2023 22:30	2.1	257	51	4.1	0
01/12/2023 22:40	1.9	260	47	4	0
01/12/2023 22:50	2.3	264	39	4.7	0
01/12/2023 23:00	2.1	259	55	3.8	0
01/12/2023 23:10	2	245	56	4	0
01/12/2023 23:20	1.9	256	55	3.4	0
01/12/2023 23:30	2.3	259	44	5.2	0
01/12/2023 23:40	2.3	255	43	4.8	0
01/12/2023 23:50	1.9	244	55	3.1	0
13/01/2023 00:00	2.4	258	39	4.9	0
13/01/2023 00:10	2.1	246	54	4	0
13/01/2023 00:20	1.9	242	57	3.5	0
13/01/2023 00:30	2.1	195	51	4.4	0
13/01/2023 00:40	2.4	225	48	4.4	0
13/01/2023 00:50	2	222	67	4.8	0
13/01/2023 01:00	2.4	213	59	5.4	0
13/01/2023 01:10	2.5	220	54	4.8	0
13/01/2023 01:20	2.8	227	43	5.4	0
13/01/2023 01:30	3	219	39	6.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/01/2023 01:40	2.9	220	46	4.7	0
13/01/2023 01:50	2.6	213	44	5.2	0
13/01/2023 02:00	2.9	201	36	5.5	0
13/01/2023 02:10	2.6	222	58	5.2	0
13/01/2023 02:20	2.6	203	49	5.6	0
13/01/2023 02:30	2.5	201	48	5.2	0
13/01/2023 02:40	2.5	211	50	5	0
13/01/2023 02:50	2	196	57	4	0
13/01/2023 03:00	2.3	188	48	4.8	0
13/01/2023 03:10	2.3	206	43	4.6	0
13/01/2023 03:20	2.2	242	53	4.1	0
13/01/2023 03:30	2.3	204	40	4.6	0
13/01/2023 03:40	2.4	210	42	4.4	0
13/01/2023 03:50	2.2	200	42	4.4	0
13/01/2023 04:00	1.8	213	50	3.6	0
13/01/2023 04:10	2.5	227	35	4.8	0
13/01/2023 04:20	2.5	227	35	4.6	0
13/01/2023 04:30	2.4	246	31	4.2	0
13/01/2023 04:40	2.7	240	32	4.6	0
13/01/2023 04:50	2.7	247	26	4.3	0
13/01/2023 05:00	2.6	253	18	3.9	0
13/01/2023 05:10	2.6	259	23	3.6	0
13/01/2023 05:20	2.7	251	23	4.1	0
13/01/2023 05:30	2.9	244	26	4.2	0
13/01/2023 05:40	2.7	236	28	4.2	0
13/01/2023 05:50	3	225	26	5.2	0
13/01/2023 06:00	3.1	218	25	5	0
13/01/2023 06:10	3.2	215	22	4.8	0
13/01/2023 06:20	3	217	22	4.8	0
13/01/2023 06:30	3.6	208	17	5.3	0
13/01/2023 06:40	3.6	209	16	5.2	0
13/01/2023 06:50	3	223	20	5.1	0
13/01/2023 07:00	2.9	231	21	4.6	0
13/01/2023 07:10	3.3	223	24	4.9	0
13/01/2023 07:20	2.9	219	16	4.4	0
13/01/2023 07:30	3.2	232	18	4.4	0
13/01/2023 07:40	3.1	241	16	4.3	0
13/01/2023 07:50	2.3	222	19	3.5	0
13/01/2023 08:00	1.8	192	25	3.2	0
13/01/2023 08:10	1.3	187	45	2.8	0
13/01/2023 08:20	1.7	164	24	2.8	0
13/01/2023 08:30	1.8	163	33	2.8	0
13/01/2023 08:40	2.1	140	23	3.7	0
13/01/2023 08:50	2.5	70	21	3.6	0
13/01/2023 09:00	2.2	58	12	2.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/01/2023 09:10	2.1	62	16	2.9	0
13/01/2023 09:20	2.7	59	16	3.4	0
13/01/2023 09:30	2.4	64	14	3.2	0
13/01/2023 09:40	1.8	62	18	2.5	0
13/01/2023 09:50	2.2	50	18	3.1	0
13/01/2023 10:00	2.1	46	20	2.9	0
13/01/2023 10:10	2.5	58	14	3.6	0
13/01/2023 10:20	3	66	11	3.9	0
13/01/2023 10:30	3.5	59	12	4.4	0
13/01/2023 10:40	3.5	59	13	4.8	0
13/01/2023 10:50	3.3	63	14	4.4	0
13/01/2023 11:00	3.2	56	13	4.2	0
13/01/2023 11:10	3.4	47	14	4.4	0
13/01/2023 11:20	3.5	44	12	4.6	0
13/01/2023 11:30	3.8	41	15	5.2	0
13/01/2023 11:40	3.6	40	16	5.1	0
13/01/2023 11:50	4.2	36	13	5.6	0
13/01/2023 12:00	4.7	35	13	6.1	0
13/01/2023 12:10	4.6	33	13	6.4	0
13/01/2023 12:20	4.4	39	13	6	0
13/01/2023 12:30	4	48	15	5.7	0
13/01/2023 12:40	4.3	46	13	5.8	0
13/01/2023 12:50	4.8	42	14	6.6	0
13/01/2023 13:00	5.1	28	14	7	0
13/01/2023 13:10	4.3	42	17	5.7	0
13/01/2023 13:20	4.5	51	14	6.4	0
13/01/2023 13:30	4.3	53	15	6	0
13/01/2023 13:40	4.1	53	15	5.8	0
13/01/2023 13:50	4	46	16	6.1	0
13/01/2023 14:00	4.2	46	12	5.4	0
13/01/2023 14:10	4.1	174	22	6.5	0
13/01/2023 14:20	5	351	18	7.2	0
13/01/2023 14:30	5.5	344	14	7.7	0
13/01/2023 14:40	5.4	342	14	7	0
13/01/2023 14:50	5.5	343	13	8	0
13/01/2023 15:00	5.9	352	11	7.6	0
13/01/2023 15:10	5.6	353	12	7.4	0
13/01/2023 15:20	5.7	352	16	7.6	0
13/01/2023 15:30	5.3	340	12	7	0
13/01/2023 15:40	5.2	339	12	7.2	0
13/01/2023 15:50	5	326	13	6.9	0
13/01/2023 16:00	3.6	305	19	5.6	0
13/01/2023 16:10	3.6	299	18	6.3	0
13/01/2023 16:20	3.3	294	18	4.8	0
13/01/2023 16:30	3.8	280	21	5.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/01/2023 16:40	3.6	278	20	5.6	0
13/01/2023 16:50	3.9	280	20	5.8	0
13/01/2023 17:00	4	288	22	5.6	0
13/01/2023 17:10	4	286	23	6.4	0
13/01/2023 17:20	3.7	279	18	6.2	0
13/01/2023 17:30	3.8	274	18	6	0
13/01/2023 17:40	3.9	276	18	6	0
13/01/2023 17:50	3.7	269	22	5.6	0
13/01/2023 18:00	3.2	259	26	5	0
13/01/2023 18:10	4.1	265	18	6.3	0
13/01/2023 18:20	3.8	270	25	5.7	0
13/01/2023 18:30	4.4	271	20	6.2	0
13/01/2023 18:40	2.6	259	46	5	0
13/01/2023 18:50	2.7	241	36	5.8	0
13/01/2023 19:00	3.2	276	17	4.9	0
13/01/2023 19:10	3.3	274	23	4.9	0
13/01/2023 19:20	3.2	276	19	5	0
13/01/2023 19:30	3.1	276	21	4.8	0
13/01/2023 19:40	3.5	275	17	5.2	0
13/01/2023 19:50	3.7	278	15	5.6	0
13/01/2023 20:00	3.1	276	17	4.7	0
13/01/2023 20:10	3.2	276	17	5	0
13/01/2023 20:20	3.7	280	19	5.5	0
13/01/2023 20:30	2.5	254	41	4.5	0
13/01/2023 20:40	2.6	270	28	4.8	0
13/01/2023 20:50	2.6	273	29	5	0
13/01/2023 21:00	2.2	267	45	3.6	0
13/01/2023 21:10	1.9	267	50	3.6	0
13/01/2023 21:20	2	268	37	3.5	0
13/01/2023 21:30	2.4	276	22	4.2	0
13/01/2023 21:40	2.4	265	25	3.6	0
13/01/2023 21:50	2	267	43	3.6	0
13/01/2023 22:00	2.2	266	33	4.3	0
13/01/2023 22:10	1.9	256	48	4.2	0
13/01/2023 22:20	2.5	254	29	4	0
13/01/2023 22:30	2.5	262	22	4.1	0
13/01/2023 22:40	2.1	268	29	3.5	0
13/01/2023 22:50	2.6	269	24	4.9	0
13/01/2023 23:00	2.6	279	18	4.1	0
13/01/2023 23:10	3	279	14	4.3	0
13/01/2023 23:20	3.2	274	15	4.5	0
13/01/2023 23:30	2.9	274	22	4.6	0
13/01/2023 23:40	3.3	276	16	5.2	0
13/01/2023 23:50	2.9	270	29	5.1	0
14/01/2023 00:00	2.7	267	27	4.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/01/2023 00:10	2.5	276	44	4.7	0
14/01/2023 00:20	2.1	253	38	3.7	0
14/01/2023 00:30	2.1	270	39	3.7	0
14/01/2023 00:40	1.8	265	37	3.3	0
14/01/2023 00:50	1.8	276	42	3.1	0
14/01/2023 01:00	1.7	286	23	2.8	0
14/01/2023 01:10	2.1	280	19	3	0
14/01/2023 01:20	2.1	279	15	3	0
14/01/2023 01:30	1.9	283	14	2.7	0
14/01/2023 01:40	1.5	278	21	2	0
14/01/2023 01:50	1.6	272	26	2.4	0
14/01/2023 02:00	1.7	268	31	3.4	0
14/01/2023 02:10	2.2	242	37	4	0
14/01/2023 02:20	2.4	227	29	4	0
14/01/2023 02:30	2.7	243	27	4.7	0
14/01/2023 02:40	2.6	233	28	4.4	0
14/01/2023 02:50	3	217	24	4.7	0
14/01/2023 03:00	3.2	215	28	5.3	0
14/01/2023 03:10	3.9	208	18	5.8	0
14/01/2023 03:20	4.3	211	16	6.6	0
14/01/2023 03:30	4.3	208	17	6.1	0
14/01/2023 03:40	4.6	208	14	6.8	0
14/01/2023 03:50	5.2	210	13	7.1	0
14/01/2023 04:00	4.7	213	14	6.7	0
14/01/2023 04:10	4.3	216	16	5.8	0
14/01/2023 04:20	3.3	219	20	4.8	0
14/01/2023 04:30	3.3	221	20	4.9	0
14/01/2023 04:40	2.6	230	23	4.2	0
14/01/2023 04:50	2.9	215	22	4.4	0
14/01/2023 05:00	2.3	235	22	3.6	0
14/01/2023 05:10	2.6	229	25	4.5	0
14/01/2023 05:20	2.8	232	20	4.2	0
14/01/2023 05:30	2.9	236	16	4.6	0
14/01/2023 05:40	2.7	225	21	4	0
14/01/2023 05:50	3.1	227	18	4.5	0
14/01/2023 06:00	3.5	233	16	4.6	0
14/01/2023 06:10	3.7	234	12	5	0
14/01/2023 06:20	2.8	223	16	4	0
14/01/2023 06:30	2.2	219	14	3.2	0
14/01/2023 06:40	1.9	218	17	2.6	0
14/01/2023 06:50	1.8	218	17	2.5	0
14/01/2023 07:00	1.2	226	45	2	0
14/01/2023 07:10	0.8	290	49	1.6	0
14/01/2023 07:20	0.6	142	21	1.5	0
14/01/2023 07:30	1.1	106	63	2.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/01/2023 07:40	2	105	20	3.2	0
14/01/2023 07:50	1.8	127	39	2.9	0
14/01/2023 08:00	2	96	28	3.2	0
14/01/2023 08:10	1.7	100	28	2.7	0
14/01/2023 08:20	2.4	74	13	3.2	0
14/01/2023 08:30	2.2	80	19	3.2	0
14/01/2023 08:40	2.1	58	14	2.9	0
14/01/2023 08:50	2.3	50	14	2.8	0
14/01/2023 09:00	2.8	52	11	4.1	0
14/01/2023 09:10	4	61	12	6.8	0
14/01/2023 09:20	4.2	61	17	6.3	0
14/01/2023 09:30	4.7	56	14	8	0
14/01/2023 09:40	4.9	50	12	7.5	0
14/01/2023 09:50	5.5	51	12	7.6	0
14/01/2023 10:00	5.8	54	12	8.8	0
14/01/2023 10:10	6.4	58	12	9.6	0
14/01/2023 10:20	7.1	59	11	9.9	0
14/01/2023 10:30	6.9	60	11	9.1	0
14/01/2023 10:40	6.8	58	10	9.3	0
14/01/2023 10:50	6.6	56	11	8.8	0
14/01/2023 11:00	6.4	58	10	8.2	0
14/01/2023 11:10	6.1	58	12	8.6	0
14/01/2023 11:20	6.4	60	11	8.3	0
14/01/2023 11:30	6	60	12	8.5	0
14/01/2023 11:40	5.8	61	12	7.6	0
14/01/2023 11:50	6.3	57	10	7.8	0
14/01/2023 12:00	6.2	59	12	8	0
14/01/2023 12:10	5.6	55	13	7.5	0
14/01/2023 12:20	5.3	56	13	7.3	0
14/01/2023 12:30	4.9	46	14	6.7	0
14/01/2023 12:40	5.5	45	12	6.9	0
14/01/2023 12:50	5.2	40	13	7.4	0
14/01/2023 13:00	5	43	12	6.8	0
14/01/2023 13:10	5.3	41	11	7.5	0
14/01/2023 13:20	5.1	46	11	6.8	0
14/01/2023 13:30	4.8	49	12	6.4	0
14/01/2023 13:40	4.4	54	14	5.7	0
14/01/2023 13:50	4.7	52	12	6.2	0
14/01/2023 14:00	4.5	53	13	6.1	0
14/01/2023 14:10	4.1	60	11	5.4	0
14/01/2023 14:20	4.3	60	12	5.8	0
14/01/2023 14:30	4.2	62	14	6.2	0
14/01/2023 14:40	3.9	63	13	4.9	0
14/01/2023 14:50	3.8	56	14	5.4	0
14/01/2023 15:00	4.8	37	14	7.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/01/2023 15:10	3.9	42	23	6.3	0
14/01/2023 15:20	4.1	181	21	6	0
14/01/2023 15:30	4.1	22	15	6.4	0
14/01/2023 15:40	3.8	25	19	5.5	0
14/01/2023 15:50	4.9	336	14	6.7	0
14/01/2023 16:00	4.4	346	14	6.6	0
14/01/2023 16:10	4.8	185	17	6.4	0
14/01/2023 16:20	4.6	16	21	6.6	0
14/01/2023 16:30	5.3	350	15	7.2	0
14/01/2023 16:40	4.9	351	12	6.8	0
14/01/2023 16:50	5.1	334	13	6.8	0
14/01/2023 17:00	5.2	344	14	6.8	0
14/01/2023 17:10	4.9	335	13	7.2	0
14/01/2023 17:20	4.9	343	17	6.8	0
14/01/2023 17:30	5.2	338	12	7.2	0
14/01/2023 17:40	5.7	350	12	7.7	0
14/01/2023 17:50	4.7	334	19	6.3	0
14/01/2023 18:00	3.9	313	16	5.8	0
14/01/2023 18:10	4.1	316	17	5.9	0
14/01/2023 18:20	3.8	325	16	5.2	0
14/01/2023 18:30	3.8	328	12	5.6	0
14/01/2023 18:40	3.5	339	15	4.5	0
14/01/2023 18:50	3	338	12	3.9	0
14/01/2023 19:00	2	324	17	2.9	0
14/01/2023 19:10	2	168	24	2.7	0
14/01/2023 19:20	3.7	71	30	7	0
14/01/2023 19:30	2	204	26	4	0
14/01/2023 19:40	2.4	30	37	3.7	0
14/01/2023 19:50	3	64	17	4.9	0
14/01/2023 20:00	3.3	64	14	5	0
14/01/2023 20:10	3	48	14	4.7	0
14/01/2023 20:20	3	51	13	4	0
14/01/2023 20:30	2.7	52	12	3.9	0
14/01/2023 20:40	2.9	56	13	3.8	0
14/01/2023 20:50	2.6	48	13	3.6	0
14/01/2023 21:00	2.6	38	15	3.6	0
14/01/2023 21:10	2.3	42	14	3.3	0
14/01/2023 21:20	2.3	45	12	3.2	0
14/01/2023 21:30	3.7	71	15	5.8	0
14/01/2023 21:40	5.6	76	14	8.1	0
14/01/2023 21:50	5.1	71	14	7.4	0
14/01/2023 22:00	6.1	58	13	8.7	0
14/01/2023 22:10	6.5	49	14	8.8	0
14/01/2023 22:20	5.6	43	12	7.4	0
14/01/2023 22:30	5.1	48	14	7.1	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/01/2023 22:40	5.8	60	12	8.3	0
14/01/2023 22:50	5.8	58	12	8.1	0
14/01/2023 23:00	5.6	56	11	7.4	0
14/01/2023 23:10	5.1	59	11	7	0
14/01/2023 23:20	4.9	65	11	6.5	0
14/01/2023 23:30	3.9	69	15	6	0
14/01/2023 23:40	4.1	62	13	5.7	0
14/01/2023 23:50	4.8	57	11	6.7	0
15/01/2023 00:00	4.8	57	13	6.8	0
15/01/2023 00:10	4.6	45	13	6.4	0
15/01/2023 00:20	5.3	56	12	7	0
15/01/2023 00:30	5.5	49	13	7.7	0
15/01/2023 00:40	5.5	43	13	7.5	0
15/01/2023 00:50	5.2	36	15	6.8	0
15/01/2023 01:00	4.9	46	13	6.7	0
15/01/2023 01:10	5.1	39	14	6.8	0
15/01/2023 01:20	5.3	39	12	7.4	0
15/01/2023 01:30	5.2	38	13	7.1	0
15/01/2023 01:40	4.8	44	13	6.9	0
15/01/2023 01:50	4.8	53	11	7.2	0
15/01/2023 02:00	5.5	57	12	7.3	0
15/01/2023 02:10	5.4	55	12	7.4	0
15/01/2023 02:20	4.4	49	12	6.2	0
15/01/2023 02:30	4.4	39	13	6.4	0
15/01/2023 02:40	4.3	43	12	6.2	0
15/01/2023 02:50	4.5	45	12	6.3	0
15/01/2023 03:00	4.2	37	11	5.7	0
15/01/2023 03:10	4.3	35	14	6.4	0
15/01/2023 03:20	4	39	12	5.6	0
15/01/2023 03:30	3.2	43	13	4.4	0
15/01/2023 03:40	3.4	45	12	4.5	0
15/01/2023 03:50	3.5	47	12	5.2	0
15/01/2023 04:00	3.5	46	13	4.9	0
15/01/2023 04:10	3.4	52	13	4.6	0
15/01/2023 04:20	3.8	59	10	5.2	0
15/01/2023 04:30	3.8	53	13	5.2	0
15/01/2023 04:40	4	53	11	5.6	0
15/01/2023 04:50	4.3	54	11	5.5	0
15/01/2023 05:00	4.6	48	12	6.3	0
15/01/2023 05:10	4.2	46	15	5.8	0
15/01/2023 05:20	4.6	48	13	6.2	0
15/01/2023 05:30	4.6	46	12	6.6	0
15/01/2023 05:40	4.1	47	14	5.6	0
15/01/2023 05:50	3.9	51	13	5.5	0
15/01/2023 06:00	2.8	52	16	4.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/01/2023 06:10	2.8	54	11	3.9	0
15/01/2023 06:20	2.7	57	11	3.5	0
15/01/2023 06:30	2.7	53	13	3.6	0
15/01/2023 06:40	2.6	50	11	3.6	0
15/01/2023 06:50	2.4	53	13	3.5	0
15/01/2023 07:00	2.3	49	12	3.2	0
15/01/2023 07:10	2.2	40	13	2.9	0
15/01/2023 07:20	2.1	41	13	2.9	0
15/01/2023 07:30	2.5	50	12	3.2	0
15/01/2023 07:40	2.7	51	9	3.6	0
15/01/2023 07:50	2.8	57	11	4	0
15/01/2023 08:00	3.1	45	11	4.4	0
15/01/2023 08:10	3.3	51	13	4.4	0
15/01/2023 08:20	3.8	56	11	5.2	0
15/01/2023 08:30	3.7	57	13	4.8	0
15/01/2023 08:40	3.3	66	14	4.4	0
15/01/2023 08:50	4.1	59	13	5.4	0
15/01/2023 09:00	4.9	57	10	6.2	0
15/01/2023 09:10	5.1	56	12	6.9	0
15/01/2023 09:20	4.7	61	9	6	0
15/01/2023 09:30	4.8	48	13	5.8	0
15/01/2023 09:40	4.7	49	12	6.3	0
15/01/2023 09:50	4.8	56	11	6	0
15/01/2023 10:00	4.8	59	10	6	0
15/01/2023 10:10	4.8	58	10	6.2	0
15/01/2023 10:20	5	59	10	6.3	0
15/01/2023 10:30	4.9	57	11	6	0
15/01/2023 10:40	4.7	42	15	6	0
15/01/2023 10:50	4.6	41	13	6.2	0
15/01/2023 11:00	4.7	44	14	7.2	0
15/01/2023 11:10	4.6	51	12	6.5	0
15/01/2023 11:20	4.8	52	13	6.4	0
15/01/2023 11:30	4.5	50	15	6	0
15/01/2023 11:40	5.2	49	13	6.8	0
15/01/2023 11:50	5	49	11	6.8	0
15/01/2023 12:00	4.8	47	13	6.1	0
15/01/2023 12:10	4.5	47	16	5.8	0
15/01/2023 12:20	4.7	48	13	5.8	0
15/01/2023 12:30	4.7	46	13	5.9	0
15/01/2023 12:40	4.7	43	13	6.2	0
15/01/2023 12:50	4.7	43	12	6.4	0
15/01/2023 13:00	4.6	47	13	6.1	0
15/01/2023 13:10	4.9	43	13	6.6	0
15/01/2023 13:20	4.6	38	13	6	0
15/01/2023 13:30	4.8	38	14	6.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/01/2023 13:40	4.9	41	13	6.8	0
15/01/2023 13:50	5.2	41	13	7	0
15/01/2023 14:00	5.6	38	13	7.2	0
15/01/2023 14:10	5.4	35	14	6.9	0
15/01/2023 14:20	5.4	39	14	7.1	0
15/01/2023 14:30	5.3	41	12	7.3	0
15/01/2023 14:40	5.3	45	13	6.8	0
15/01/2023 14:50	4.9	46	13	6.4	0
15/01/2023 15:00	4.6	42	13	6.4	0
15/01/2023 15:10	4.8	44	13	6.4	0
15/01/2023 15:20	5.1	53	12	6.8	0
15/01/2023 15:30	4.7	52	13	6.6	0
15/01/2023 15:40	4.5	52	13	6	0
15/01/2023 15:50	4.7	47	13	6.2	0
15/01/2023 16:00	4.7	42	12	6.7	0
15/01/2023 16:10	4.4	51	14	5.9	0
15/01/2023 16:20	4.5	54	12	6.1	0
15/01/2023 16:30	4.6	47	12	6	0
15/01/2023 16:40	4.8	44	12	6.5	0
15/01/2023 16:50	4.2	17	17	6.7	0
15/01/2023 17:00	4	340	19	5.7	0
15/01/2023 17:10	4.3	342	14	6.3	0
15/01/2023 17:20	4.6	328	14	6.3	0
15/01/2023 17:30	4.5	335	11	6	0
15/01/2023 17:40	4.7	341	11	6.3	0
15/01/2023 17:50	4.6	341	15	6.8	0
15/01/2023 18:00	4.5	327	13	6.4	0
15/01/2023 18:10	4.6	331	15	6	0
15/01/2023 18:20	4	345	12	5.6	0
15/01/2023 18:30	3.4	330	15	5.2	0
15/01/2023 18:40	3.3	327	17	5	0
15/01/2023 18:50	3.5	334	15	4.8	0
15/01/2023 19:00	2.8	326	15	4.4	0
15/01/2023 19:10	2.7	335	14	3.8	0
15/01/2023 19:20	2.3	337	11	3.2	0
15/01/2023 19:30	2.4	338	12	3.4	0
15/01/2023 19:40	2.8	334	13	3.5	0
15/01/2023 19:50	2.3	340	14	2.8	0
15/01/2023 20:00	2.8	347	13	3.9	0
15/01/2023 20:10	2.6	340	13	4	0
15/01/2023 20:20	2.4	336	14	3.2	0
15/01/2023 20:30	1.9	305	18	3	0
15/01/2023 20:40	2.1	311	21	3	0
15/01/2023 20:50	2.2	327	15	3.2	0
15/01/2023 21:00	1.9	310	19	3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/01/2023 21:10	1.9	290	20	2.8	0
15/01/2023 21:20	2.1	278	25	3.4	0
15/01/2023 21:30	2.1	269	31	3.2	0
15/01/2023 21:40	2.3	272	23	3.4	0
15/01/2023 21:50	2.5	272	19	3.8	0
15/01/2023 22:00	2.1	270	23	3.6	0
15/01/2023 22:10	2.1	279	19	3.3	0
15/01/2023 22:20	1.8	288	22	2.7	0
15/01/2023 22:30	1.5	279	31	2.4	0
15/01/2023 22:40	1.9	270	23	3.2	0
15/01/2023 22:50	1.9	284	26	2.8	0
15/01/2023 23:00	0.9	285	25	1.9	0
15/01/2023 23:10	1.6	287	20	2.1	0
15/01/2023 23:20	1.7	273	22	2.3	0
15/01/2023 23:30	1.8	277	24	2.8	0
15/01/2023 23:40	1.2	270	33	2.2	0
15/01/2023 23:50	1.7	279	20	2.8	0
16/01/2023 00:00	1.7	282	15	2.4	0
16/01/2023 00:10	0.9	262	47	2	0
16/01/2023 00:20	1.7	206	26	2.8	0
16/01/2023 00:30	0.8	211	35	1.8	0
16/01/2023 00:40	1.1	252	50	2.4	0
16/01/2023 00:50	1.6	217	28	2.5	0
16/01/2023 01:00	1.3	240	44	2.4	0
16/01/2023 01:10	1.6	216	39	2.8	0
16/01/2023 01:20	1.7	192	36	3.2	0
16/01/2023 01:30	2.4	195	19	4	0
16/01/2023 01:40	3.1	197	18	4.4	0
16/01/2023 01:50	2.9	199	17	4.3	0
16/01/2023 02:00	2.2	198	21	3.6	0
16/01/2023 02:10	2.1	195	19	3.1	0
16/01/2023 02:20	1.1	227	47	2	0
16/01/2023 02:30	1.5	195	22	2.4	0
16/01/2023 02:40	0.9	234	52	1.9	0
16/01/2023 02:50	1.2	218	27	2.4	0
16/01/2023 03:00	0.9	243	38	2	0
16/01/2023 03:10	0.7	228	40	1.3	0
16/01/2023 03:20	1.1	269	24	2	0
16/01/2023 03:30	1.3	302	17	1.7	0
16/01/2023 03:40	1.3	288	14	1.7	0
16/01/2023 03:50	1.2	270	18	2	0
16/01/2023 04:00	1.2	271	22	1.9	0
16/01/2023 04:10	1.4	270	13	2.2	0
16/01/2023 04:20	1.3	275	16	2	0
16/01/2023 04:30	1.6	274	11	2.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/01/2023 04:40	1.5	223	25	2.4	0
16/01/2023 04:50	1.2	224	21	2.2	0
16/01/2023 05:00	1.3	243	23	2.1	0
16/01/2023 05:10	1.2	259	21	2.2	0
16/01/2023 05:20	1.1	278	19	1.6	0
16/01/2023 05:30	0.6	311	15	0.8	0
16/01/2023 05:40	0.2	346	4	0.6	0
16/01/2023 05:50	0.7	300	18	1.1	0
16/01/2023 06:00	0.6	229	25	1.2	0
16/01/2023 06:10	0.4	267	18	1	0
16/01/2023 06:20	0.1	256	3	0.6	0
16/01/2023 06:30	0.7	228	30	1.5	0
16/01/2023 06:40	1	194	15	1.6	0
16/01/2023 06:50	0.9	255	23	1.6	0
16/01/2023 07:00	1.1	233	21	1.8	0
16/01/2023 07:10	0.9	279	19	1.4	0
16/01/2023 07:20	0.6	292	38	1.2	0
16/01/2023 07:30	1	267	57	1.6	0
16/01/2023 07:40	0.9	219	64	1.7	0
16/01/2023 07:50	1	98	27	1.6	0
16/01/2023 08:00	1.3	79	40	2.4	0
16/01/2023 08:10	1.7	76	20	2.4	0
16/01/2023 08:20	1.7	95	22	2.9	0
16/01/2023 08:30	2	100	22	3.2	0
16/01/2023 08:40	2.6	80	14	3.5	0
16/01/2023 08:50	2.7	66	14	3.7	0
16/01/2023 09:00	2.6	64	16	3.4	0
16/01/2023 09:10	2.9	53	12	4	0
16/01/2023 09:20	3	56	16	4	0
16/01/2023 09:30	3.2	54	15	4.2	0
16/01/2023 09:40	3.1	51	17	4.1	0
16/01/2023 09:50	3.3	52	15	4.7	0
16/01/2023 10:00	3.6	45	13	4.9	0
16/01/2023 10:10	4	46	13	5.5	0
16/01/2023 10:20	4.3	39	13	5.7	0
16/01/2023 10:30	4.3	41	15	5.8	0
16/01/2023 10:40	4.4	34	13	5.9	0
16/01/2023 10:50	4.1	37	14	5.9	0
16/01/2023 11:00	4.5	34	13	6.2	0
16/01/2023 11:10	4.8	34	13	6.4	0
16/01/2023 11:20	4.6	37	13	6.2	0
16/01/2023 11:30	4.2	40	12	5.8	0
16/01/2023 11:40	4	42	16	5.2	0
16/01/2023 11:50	4.1	35	17	5.6	0
16/01/2023 12:00	3.8	31	16	5.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/01/2023 12:10	3.4	12	21	5.1	0
16/01/2023 12:20	3.5	183	20	5.2	0
16/01/2023 12:30	3.3	333	33	5.9	0
16/01/2023 12:40	3.8	351	20	5.7	0
16/01/2023 12:50	3.6	348	26	5.9	0
16/01/2023 13:00	3.8	345	21	6	0
16/01/2023 13:10	3.9	345	21	5.7	0
16/01/2023 13:20	4.1	345	19	5.6	0
16/01/2023 13:30	3.8	330	17	6.1	0
16/01/2023 13:40	4.3	306	26	6.8	0
16/01/2023 13:50	4.2	327	16	6	0
16/01/2023 14:00	4.1	316	22	6.1	0
16/01/2023 14:10	4	311	21	6	0
16/01/2023 14:20	4.5	310	22	6.7	0
16/01/2023 14:30	4.5	319	16	6.1	0
16/01/2023 14:40	4.7	321	17	6.8	0
16/01/2023 14:50	4.4	304	23	6.8	0
16/01/2023 15:00	3.8	311	21	6.4	0
16/01/2023 15:10	4.7	321	20	7.3	0
16/01/2023 15:20	5	321	18	8	0
16/01/2023 15:30	4.6	300	22	7	0
16/01/2023 15:40	4.8	311	19	6.9	0
16/01/2023 15:50	4.2	318	22	5.9	0
16/01/2023 16:00	4.5	285	23	6.4	0
16/01/2023 16:10	4.9	293	20	7	0
16/01/2023 16:20	4.1	296	22	6.5	0
16/01/2023 16:30	4.2	288	22	6.2	0
16/01/2023 16:40	4.4	279	21	6.6	0
16/01/2023 16:50	4.2	288	22	7.1	0
16/01/2023 17:00	4.3	282	21	7.5	0
16/01/2023 17:10	4	276	20	6	0
16/01/2023 17:20	3.8	273	20	5.9	0
16/01/2023 17:30	3.3	281	25	5.2	0
16/01/2023 17:40	3.7	274	18	5.8	0
16/01/2023 17:50	3.3	271	24	5	0
16/01/2023 18:00	3.1	272	34	5.1	0
16/01/2023 18:10	3.2	268	27	5.8	0
16/01/2023 18:20	3.3	272	23	5	0
16/01/2023 18:30	3.4	279	20	5.2	0
16/01/2023 18:40	2.7	271	30	4.9	0
16/01/2023 18:50	3.3	274	23	4.8	0
16/01/2023 19:00	3.1	265	22	4.8	0
16/01/2023 19:10	3.6	275	19	5.4	0
16/01/2023 19:20	3.5	274	21	5.8	0
16/01/2023 19:30	3.5	274	19	5.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/01/2023 19:40	3.4	273	22	5.2	0
16/01/2023 19:50	3.3	274	20	4.8	0
16/01/2023 20:00	3.2	268	20	4.7	0
16/01/2023 20:10	3.6	267	20	5.3	0
16/01/2023 20:20	3.5	272	21	5.6	0
16/01/2023 20:30	3.5	274	17	4.9	0
16/01/2023 20:40	3.1	267	27	5.3	0
16/01/2023 20:50	3.7	275	15	5.2	0
16/01/2023 21:00	3.3	272	21	4.8	0
16/01/2023 21:10	2.9	266	26	4.8	0
16/01/2023 21:20	3.4	269	28	5.6	0
16/01/2023 21:30	2.9	263	34	5.8	0
16/01/2023 21:40	3	266	29	4.8	0
16/01/2023 21:50	3.2	276	17	4.6	0
16/01/2023 22:00	3.1	272	20	4.9	0
16/01/2023 22:10	2.8	278	22	4.4	0
16/01/2023 22:20	3.1	276	21	4.5	0
16/01/2023 22:30	3.1	272	21	4.6	0
16/01/2023 22:40	2.7	272	26	4.9	0
16/01/2023 22:50	2.9	276	20	4.4	0
16/01/2023 23:00	2.7	275	27	5.2	0
16/01/2023 23:10	3	277	20	4.8	0
16/01/2023 23:20	2.9	274	26	4.8	0
16/01/2023 23:30	1.8	253	45	3.5	0
16/01/2023 23:40	2	274	34	3.6	0
16/01/2023 23:50	2.1	259	38	3.8	0
17/01/2023 00:00	1.8	249	41	3.6	0
17/01/2023 00:10	1.9	251	41	3.2	0
17/01/2023 00:20	1.5	215	60	3.2	0
17/01/2023 00:30	1.7	228	49	3.2	0
17/01/2023 00:40	2	258	38	3.6	0
17/01/2023 00:50	2.1	274	28	3.8	0
17/01/2023 01:00	2.1	269	24	2.9	0
17/01/2023 01:10	1.5	255	30	2.8	0
17/01/2023 01:20	1.5	261	30	2.6	0
17/01/2023 01:30	1.7	271	26	2.9	0
17/01/2023 01:40	1.4	257	62	2.7	0
17/01/2023 01:50	1.4	251	38	2.6	0
17/01/2023 02:00	1.2	263	45	2.5	0
17/01/2023 02:10	1.5	220	44	2.8	0
17/01/2023 02:20	1.2	249	46	2	0
17/01/2023 02:30	1.9	276	23	3	0
17/01/2023 02:40	2.1	278	20	3.1	0
17/01/2023 02:50	1.4	229	34	2.4	0
17/01/2023 03:00	1.4	277	31	2.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/01/2023 03:10	1.5	197	24	2.3	0
17/01/2023 03:20	1.5	265	24	2.4	0
17/01/2023 03:30	1.9	274	19	3	0
17/01/2023 03:40	1.1	274	51	2.2	0
17/01/2023 03:50	0.9	245	48	1.7	0
17/01/2023 04:00	1.2	260	37	2.1	0
17/01/2023 04:10	1	271	28	2.3	0
17/01/2023 04:20	1.3	278	26	2.1	0
17/01/2023 04:30	2.1	272	21	3.4	0
17/01/2023 04:40	2.4	270	19	3.3	0
17/01/2023 04:50	2.2	273	20	3.6	0
17/01/2023 05:00	1.9	282	22	3	0
17/01/2023 05:10	2	294	19	3.5	0
17/01/2023 05:20	2.1	285	21	3.5	0
17/01/2023 05:30	2.1	266	24	3.3	0
17/01/2023 05:40	2	266	23	3.2	0
17/01/2023 05:50	1.7	289	23	2.8	0
17/01/2023 06:00	1.6	284	19	2.6	0
17/01/2023 06:10	2	291	18	2.8	0
17/01/2023 06:20	2.1	296	19	3.3	0
17/01/2023 06:30	2.1	286	25	3.4	0
17/01/2023 06:40	2.2	281	21	3.6	0
17/01/2023 06:50	2.5	283	23	4.1	0
17/01/2023 07:00	2.7	297	21	4.4	0
17/01/2023 07:10	2.8	291	20	4.4	0
17/01/2023 07:20	2.7	300	20	4.1	0
17/01/2023 07:30	2.5	294	20	3.6	0
17/01/2023 07:40	2.5	290	22	4	0
17/01/2023 07:50	2.3	287	21	3.5	0
17/01/2023 08:00	2.4	294	31	3.9	0
17/01/2023 08:10	2.9	290	22	4.4	0
17/01/2023 08:20	2.6	280	28	4.1	0
17/01/2023 08:30	3	280	21	4.8	0
17/01/2023 08:40	3.1	307	22	4.8	0
17/01/2023 08:50	3	312	22	5.1	0
17/01/2023 09:00	3.1	297	19	4.9	0
17/01/2023 09:10	3.5	314	17	5.3	0
17/01/2023 09:20	4.3	327	15	6.4	0
17/01/2023 09:30	4.2	318	17	6.9	0
17/01/2023 09:40	4.3	329	14	6.4	0
17/01/2023 09:50	3.5	304	20	5.5	0
17/01/2023 10:00	4	304	19	6.8	0
17/01/2023 10:10	4.2	289	22	6.7	0
17/01/2023 10:20	3.8	285	19	5.2	0
17/01/2023 10:30	3.7	298	25	6	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/01/2023 10:40	3.4	276	28	5.9	0
17/01/2023 10:50	3.7	275	24	5.4	0
17/01/2023 11:00	4.1	286	23	6.4	0
17/01/2023 11:10	3.6	290	25	5.5	0
17/01/2023 11:20	4.2	304	23	6.3	0
17/01/2023 11:30	3.9	305	26	6	0
17/01/2023 11:40	4	300	21	6.2	0
17/01/2023 11:50	4	291	24	6.3	0
17/01/2023 12:00	4.1	293	20	6.4	0
17/01/2023 12:10	4.7	303	18	6.4	0
17/01/2023 12:20	4.7	297	21	6.9	0
17/01/2023 12:30	4.3	300	20	6.7	0
17/01/2023 12:40	4.1	304	21	6.3	0
17/01/2023 12:50	4.1	302	24	6.3	0
17/01/2023 13:00	4.2	291	23	7	0
17/01/2023 13:10	4.4	282	20	6.4	0
17/01/2023 13:20	4.8	298	19	6.8	0
17/01/2023 13:30	4.4	291	20	6.8	0
17/01/2023 13:40	4.6	312	20	6.7	0
17/01/2023 13:50	4.2	307	22	6.8	0
17/01/2023 14:00	4.3	311	21	6.8	0
17/01/2023 14:10	4.6	314	21	6.8	0
17/01/2023 14:20	4.5	310	20	6.9	0
17/01/2023 14:30	4.2	306	21	6.9	0
17/01/2023 14:40	4.8	300	17	6.8	0
17/01/2023 14:50	5.2	309	16	7.3	0
17/01/2023 15:00	4.4	303	20	7.2	0
17/01/2023 15:10	4.7	290	26	7.2	0
17/01/2023 15:20	5	295	20	7.2	0
17/01/2023 15:30	4.6	294	21	7	0
17/01/2023 15:40	4.7	298	22	7.1	0
17/01/2023 15:50	4.5	295	24	7.4	0
17/01/2023 16:00	4.8	295	17	7.2	0
17/01/2023 16:10	4.9	296	22	7.6	0
17/01/2023 16:20	5.3	302	16	8	0
17/01/2023 16:30	4.1	290	23	6.8	0
17/01/2023 16:40	3.9	284	25	6.2	0
17/01/2023 16:50	3.8	272	31	6.1	0
17/01/2023 17:00	3.9	280	22	6	0
17/01/2023 17:10	3.6	279	26	6.3	0
17/01/2023 17:20	4.2	283	22	6.6	0
17/01/2023 17:30	4.1	274	22	6.7	0
17/01/2023 17:40	4.2	283	21	6.6	0
17/01/2023 17:50	3.9	279	18	6	0
17/01/2023 18:00	3.7	274	23	5.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/01/2023 18:10	3.7	269	23	5.6	0
17/01/2023 18:20	3.7	266	27	5.5	0
17/01/2023 18:30	3.2	273	24	4.9	0
17/01/2023 18:40	3	273	22	5	0
17/01/2023 18:50	3.1	267	29	5.6	0
17/01/2023 19:00	3.5	267	19	5.4	0
17/01/2023 19:10	3.1	276	23	4.7	0
17/01/2023 19:20	3.1	282	21	4.7	0
17/01/2023 19:30	3.3	278	20	5.2	0
17/01/2023 19:40	3.3	283	20	5.1	0
17/01/2023 19:50	3.6	284	17	5.4	0
17/01/2023 20:00	3.1	289	21	4.6	0
17/01/2023 20:10	3	276	20	4.4	0
17/01/2023 20:20	2.9	273	21	4.3	0
17/01/2023 20:30	3.2	274	20	5.9	0
17/01/2023 20:40	2.7	275	24	4.4	0
17/01/2023 20:50	3.1	273	22	4.6	0
17/01/2023 21:00	2.8	281	21	4.8	0
17/01/2023 21:10	2.9	270	22	4.5	0
17/01/2023 21:20	3	269	27	4.8	0
17/01/2023 21:30	3	265	32	4.8	0
17/01/2023 21:40	2.6	250	44	5.1	0
17/01/2023 21:50	2.3	271	41	4.4	0
17/01/2023 22:00	2.7	261	32	5.2	0
17/01/2023 22:10	2.1	277	30	4	0
17/01/2023 22:20	2.1	280	24	3.8	0
17/01/2023 22:30	2.1	270	25	3.6	0
17/01/2023 22:40	2.7	271	18	4	0
17/01/2023 22:50	2.6	272	23	4	0
17/01/2023 23:00	2.3	263	33	4.4	0
17/01/2023 23:10	2	264	43	3.2	0
17/01/2023 23:20	2.9	272	22	4.5	0
17/01/2023 23:30	2.8	274	22	4.2	0
17/01/2023 23:40	2.7	271	32	4.4	0
17/01/2023 23:50	2.5	270	26	4.1	0
18/01/2023 00:00	2.4	269	29	4.2	0
18/01/2023 00:10	2.8	271	28	4.3	0
18/01/2023 00:20	2.8	269	21	4.9	0
18/01/2023 00:30	2.8	271	27	4.5	0
18/01/2023 00:40	2.9	271	37	4.9	0
18/01/2023 00:50	2.8	272	33	5.2	0
18/01/2023 01:00	3.3	268	26	5.1	0
18/01/2023 01:10	3.1	269	22	5	0
18/01/2023 01:20	3.3	261	22	4.9	0
18/01/2023 01:30	3	272	25	4.8	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/01/2023 01:40	3.3	264	28	5.9	0
18/01/2023 01:50	3.4	264	21	5.8	0
18/01/2023 02:00	2.9	267	26	4.4	0
18/01/2023 02:10	2.9	273	20	4.7	0
18/01/2023 02:20	2.8	272	19	4.2	0
18/01/2023 02:30	2.9	269	21	4.7	0
18/01/2023 02:40	3	275	17	4.5	0
18/01/2023 02:50	2.9	278	22	4.6	0
18/01/2023 03:00	3	284	18	4.7	0
18/01/2023 03:10	3	276	24	4.4	0
18/01/2023 03:20	3	268	25	5.1	0
18/01/2023 03:30	2.7	277	19	4.4	0
18/01/2023 03:40	2.9	282	21	4.5	0
18/01/2023 03:50	2.9	277	21	4.6	0
18/01/2023 04:00	3	277	21	4.5	0
18/01/2023 04:10	2.6	283	21	4.3	0
18/01/2023 04:20	2.7	281	24	4.4	0
18/01/2023 04:30	2.7	281	21	4.7	0
18/01/2023 04:40	2.6	267	28	4.3	0
18/01/2023 04:50	2.5	272	20	4	0
18/01/2023 05:00	2.6	286	21	4.4	0
18/01/2023 05:10	2.6	286	21	4.1	0
18/01/2023 05:20	2.9	283	24	4.8	0
18/01/2023 05:30	2.6	284	23	4.2	0
18/01/2023 05:40	2.3	273	21	4.4	0
18/01/2023 05:50	2.1	270	26	3.5	0
18/01/2023 06:00	1.9	283	21	3.3	0
18/01/2023 06:10	2.2	279	19	3.9	0
18/01/2023 06:20	2.6	285	20	3.7	0
18/01/2023 06:30	2	275	21	3.2	0
18/01/2023 06:40	2.1	285	24	3.4	0
18/01/2023 06:50	2.1	284	20	3.4	0
18/01/2023 07:00	2.4	282	19	3.6	0
18/01/2023 07:10	1.8	286	24	3	0
18/01/2023 07:20	1.9	294	26	2.9	0
18/01/2023 07:30	2.2	269	17	3.3	0
18/01/2023 07:40	1.5	277	29	2.2	0
18/01/2023 07:50	1.6	277	23	2.4	0
18/01/2023 08:00	1.9	288	22	2.5	0
18/01/2023 08:10	1.8	271	38	2.7	0
18/01/2023 08:20	1.8	295	28	2.9	0
18/01/2023 08:30	1.4	247	35	2.4	0
18/01/2023 08:40	1.9	290	22	3.2	0
18/01/2023 08:50	2.1	309	23	3.1	0
18/01/2023 09:00	2.4	317	23	3.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/01/2023 09:10	2.3	327	19	3.5	0
18/01/2023 09:20	3.2	346	18	4.4	0
18/01/2023 09:30	3.6	341	13	5.2	0
18/01/2023 09:40	3.1	320	18	4.2	0
18/01/2023 09:50	2.7	309	22	4.6	0
18/01/2023 10:00	3.1	333	19	5.1	0
18/01/2023 10:10	3.3	336	16	4.9	0
18/01/2023 10:20	2.7	328	22	4.1	0
18/01/2023 10:30	2.6	304	26	4.6	0
18/01/2023 10:40	2.8	335	22	4.3	0
18/01/2023 10:50	2.7	182	32	4.3	0
18/01/2023 11:00	3.9	62	12	5.4	0
18/01/2023 11:10	4.4	49	13	6.7	0
18/01/2023 11:20	6.5	38	13	9.1	0
18/01/2023 11:30	6	40	11	7.7	0
18/01/2023 11:40	5.5	43	12	7.4	0
18/01/2023 11:50	5.1	43	13	7.3	0
18/01/2023 12:00	5.7	49	12	7.3	0
18/01/2023 12:10	5.1	38	14	7.1	0
18/01/2023 12:20	4.8	185	17	7	0
18/01/2023 12:30	5.9	337	11	7.8	0
18/01/2023 12:40	4.8	330	14	6.4	0
18/01/2023 12:50	4.7	339	14	6.4	0
18/01/2023 13:00	4.6	329	15	6.5	0
18/01/2023 13:10	3.8	335	16	6	0
18/01/2023 13:20	3.5	344	19	5.2	0
18/01/2023 13:30	3.1	321	26	5.2	0
18/01/2023 13:40	2.9	294	29	4.8	0
18/01/2023 13:50	3.3	316	32	5.1	0
18/01/2023 14:00	3.1	318	28	4.8	0
18/01/2023 14:10	3	337	25	4.5	0
18/01/2023 14:20	3.5	9	24	5.3	0
18/01/2023 14:30	3.8	349	18	5.1	0
18/01/2023 14:40	3.7	346	16	5.8	0
18/01/2023 14:50	3.7	340	17	5.2	0
18/01/2023 15:00	3.5	339	17	5.2	0
18/01/2023 15:10	3.7	348	20	5.6	0
18/01/2023 15:20	4.2	349	14	6	0
18/01/2023 15:30	3.2	337	23	4.8	0
18/01/2023 15:40	3.2	336	25	4.9	0
18/01/2023 15:50	2.8	317	20	4.6	0
18/01/2023 16:00	3.2	321	21	5	0
18/01/2023 16:10	3.6	337	19	5.2	0
18/01/2023 16:20	4.1	340	15	5.7	0
18/01/2023 16:30	4	333	17	5.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/01/2023 16:40	5.2	339	14	7	0
18/01/2023 16:50	5.5	344	10	7.5	0
18/01/2023 17:00	5.6	344	10	7.8	0
18/01/2023 17:10	5.2	352	12	6.8	0
18/01/2023 17:20	5.8	353	13	7.6	0
18/01/2023 17:30	5.4	349	15	7.3	0
18/01/2023 17:40	5.1	343	17	7	0
18/01/2023 17:50	5.1	328	13	7.4	0
18/01/2023 18:00	4.8	330	16	6.8	0
18/01/2023 18:10	4.5	326	14	6.7	0
18/01/2023 18:20	4.3	319	17	6.1	0
18/01/2023 18:30	4.1	322	14	6.1	0
18/01/2023 18:40	3.7	320	20	5.8	0
18/01/2023 18:50	3.4	312	22	5.6	0
18/01/2023 19:00	3.6	324	18	5.4	0
18/01/2023 19:10	3.5	321	16	5.6	0
18/01/2023 19:20	2.7	308	21	4.4	0
18/01/2023 19:30	2.6	288	22	4	0
18/01/2023 19:40	2.8	285	23	4.5	0
18/01/2023 19:50	2.9	286	24	4.2	0
18/01/2023 20:00	2.7	285	24	4.6	0
18/01/2023 20:10	2.7	286	20	4	0
18/01/2023 20:20	2.5	280	26	4.4	0
18/01/2023 20:30	2.6	286	23	4.3	0
18/01/2023 20:40	2.7	280	18	4	0
18/01/2023 20:50	2.8	267	20	3.8	0
18/01/2023 21:00	2.8	271	21	4.4	0
18/01/2023 21:10	2.5	269	22	4.3	0
18/01/2023 21:20	2.9	270	23	4.8	0
18/01/2023 21:30	2.6	273	34	4.6	0
18/01/2023 21:40	2.5	271	25	4.3	0
18/01/2023 21:50	2.7	269	24	4.3	0
18/01/2023 22:00	2.6	264	30	4.4	0
18/01/2023 22:10	2.6	276	21	4.3	0
18/01/2023 22:20	2.7	266	20	4.1	0
18/01/2023 22:30	2.4	278	18	4	0
18/01/2023 22:40	2.3	274	27	3.6	0
18/01/2023 22:50	2.3	265	22	3.8	0
18/01/2023 23:00	2	277	21	3.2	0
18/01/2023 23:10	2	272	18	2.7	0
18/01/2023 23:20	2.3	265	21	3.4	0
18/01/2023 23:30	1.8	281	24	2.8	0
18/01/2023 23:40	1.9	284	22	3	0
18/01/2023 23:50	2.3	274	22	3.4	0
19/01/2023 00:00	2.1	281	21	3.2	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/01/2023 00:10	2.2	270	20	3	0
19/01/2023 00:20	2.3	274	13	3.5	0
19/01/2023 00:30	2.7	270	15	3.8	0
19/01/2023 00:40	2.1	270	16	3.4	0
19/01/2023 00:50	2.2	268	21	3.5	0
19/01/2023 01:00	1.9	266	26	3	0
19/01/2023 01:10	1.3	259	35	2.5	0
19/01/2023 01:20	1.5	266	28	2.7	0
19/01/2023 01:30	1.4	227	34	2.8	0
19/01/2023 01:40	0.9	257	39	1.7	0
19/01/2023 01:50	1.4	210	45	2.9	0
19/01/2023 02:00	1.2	264	33	1.9	0
19/01/2023 02:10	1.6	293	16	2.4	0
19/01/2023 02:20	1.1	280	25	1.6	0
19/01/2023 02:30	0.9	277	34	1.8	0
19/01/2023 02:40	1.6	235	21	2.4	0
19/01/2023 02:50	2	186	23	3.6	0
19/01/2023 03:00	3	203	13	4.2	0
19/01/2023 03:10	2.1	230	28	3.6	0.1
19/01/2023 03:20	2.1	200	32	4	0
19/01/2023 03:30	0.3	212	2	4	0
19/01/2023 03:40	0	190	7	0.6	0
19/01/2023 03:50	0	181	1	0.8	0
19/01/2023 04:00					0
19/01/2023 04:10					0
19/01/2023 04:20	0.2	217	14	1.4	0
19/01/2023 04:30					0
19/01/2023 04:40					0
19/01/2023 04:50					0
19/01/2023 05:00					0
19/01/2023 05:10					0
19/01/2023 05:20					0
19/01/2023 05:30	0	198	0	0.4	0
19/01/2023 05:40	0	200	1	0.4	0
19/01/2023 05:50	1	197	16	1.6	0
19/01/2023 06:00	1.2	213	19	1.7	0
19/01/2023 06:10	0.7	277	13	1.3	0
19/01/2023 06:20					0
19/01/2023 06:30	0.2	196	5	1.1	0
19/01/2023 06:40	0.7	179	8	1.3	0
19/01/2023 06:50					0
19/01/2023 07:00	2	43	9	4.8	0
19/01/2023 07:10	4	32	12	6	0
19/01/2023 07:20	3.2	23	7	7.6	0.2
19/01/2023 07:30					0.3



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/01/2023 07:40					0.1
19/01/2023 07:50					0
19/01/2023 08:00					0
19/01/2023 08:10					0
19/01/2023 08:20					0
19/01/2023 08:30					0
19/01/2023 08:40					0
19/01/2023 08:50					0
19/01/2023 09:00					0
19/01/2023 09:10					0
19/01/2023 09:20					0
19/01/2023 09:30					0
19/01/2023 09:40					0
19/01/2023 09:50					0
19/01/2023 10:00					0.1
19/01/2023 10:10					0.1
19/01/2023 10:20					0
19/01/2023 10:30					0
19/01/2023 10:40					0.1
19/01/2023 10:50					0
19/01/2023 11:00					0
19/01/2023 11:10					0
19/01/2023 11:20					0
19/01/2023 11:30					0
19/01/2023 11:40					0
19/01/2023 11:50					0
19/01/2023 12:00					0
19/01/2023 12:10					0
19/01/2023 12:20					0.1
19/01/2023 12:30					0
19/01/2023 12:40					0
19/01/2023 12:50					0
19/01/2023 13:00					0
19/01/2023 13:10					0
19/01/2023 13:20					0
19/01/2023 13:30					0
19/01/2023 13:40					0
19/01/2023 13:50					0
19/01/2023 14:00					0
19/01/2023 14:10					0
19/01/2023 14:20					0
19/01/2023 14:30					0
19/01/2023 14:40					0
19/01/2023 14:50					0
19/01/2023 15:00					0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/01/2023 15:10					0
19/01/2023 15:20					0
19/01/2023 15:30					0
19/01/2023 15:40					0
19/01/2023 15:50					0
19/01/2023 16:00					0
19/01/2023 16:10					0
19/01/2023 16:20					0
19/01/2023 16:30					0
19/01/2023 16:40					0
19/01/2023 16:50					0
19/01/2023 17:00					0
19/01/2023 17:10					0
19/01/2023 17:20					0
19/01/2023 17:30					0
19/01/2023 17:40					0
19/01/2023 17:50					0
19/01/2023 18:00					0
19/01/2023 18:10					0
19/01/2023 18:20					0
19/01/2023 18:30					0
19/01/2023 18:40					0
19/01/2023 18:50					0
19/01/2023 19:00					0
19/01/2023 19:10					0
19/01/2023 19:20					0
19/01/2023 19:30					0
19/01/2023 19:40					0
19/01/2023 19:50					0
19/01/2023 20:00					0
19/01/2023 20:10					0
19/01/2023 20:20					0
19/01/2023 20:30					0
19/01/2023 20:40					0
19/01/2023 20:50					0
19/01/2023 21:00					0
19/01/2023 21:10					0
19/01/2023 21:20					0
19/01/2023 21:30					0
19/01/2023 21:40					0
19/01/2023 21:50					0
19/01/2023 22:00					0
19/01/2023 22:10					0
19/01/2023 22:20					0
19/01/2023 22:30					0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/01/2023 22:40					0
19/01/2023 22:50					0
19/01/2023 23:00					0
19/01/2023 23:10					0
19/01/2023 23:20					0
19/01/2023 23:30					0
19/01/2023 23:40					0
19/01/2023 23:50					0
20/01/2023 00:00					0
20/01/2023 00:10					0
20/01/2023 00:20					0
20/01/2023 00:30					0
20/01/2023 00:40					0
20/01/2023 00:50					0
20/01/2023 01:00					0
20/01/2023 01:10					0
20/01/2023 01:20					0
20/01/2023 01:30					0
20/01/2023 01:40					0
20/01/2023 01:50					0
20/01/2023 02:00					0
20/01/2023 02:10					0
20/01/2023 02:20					0
20/01/2023 02:30					0
20/01/2023 02:40					0
20/01/2023 02:50					0
20/01/2023 03:00					0
20/01/2023 03:10					0
20/01/2023 03:20					0
20/01/2023 03:30					0
20/01/2023 03:40					0
20/01/2023 03:50					0
20/01/2023 04:00					0
20/01/2023 04:10					0
20/01/2023 04:20					0
20/01/2023 04:30					0
20/01/2023 04:40					0
20/01/2023 04:50					0
20/01/2023 05:00					0
20/01/2023 05:10					0
20/01/2023 05:20					0
20/01/2023 05:30					0
20/01/2023 05:40					0
20/01/2023 05:50					0
20/01/2023 06:00					0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/01/2023 06:10					0
20/01/2023 06:20					0
20/01/2023 06:30					0
20/01/2023 06:40					0
20/01/2023 06:50					0
20/01/2023 07:00					0
20/01/2023 07:10					0
20/01/2023 07:20					0
20/01/2023 07:30					0
20/01/2023 07:40					0
20/01/2023 07:50					0
20/01/2023 08:00					0
20/01/2023 08:10	0.5	218	12	2.8	0
20/01/2023 08:20	2.6	203	19	4.4	0
20/01/2023 08:30	2	185	26	3.7	0
20/01/2023 08:40	1.7	193	42	3.4	0
20/01/2023 08:50	1.4	154	41	2.3	0
20/01/2023 09:00	1.4	186	28	2.2	0
20/01/2023 09:10	1.6	217	41	2.4	0
20/01/2023 09:20	1.3	193	57	2.1	0
20/01/2023 09:30	1.6	298	58	3.2	0
20/01/2023 09:40	1.8	278	34	2.9	0
20/01/2023 09:50	2	307	36	3.7	0
20/01/2023 10:00	1.5	179	64	2.5	0
20/01/2023 10:10	2.1	58	22	3.3	0
20/01/2023 10:20	2.4	54	11	3.3	0
20/01/2023 10:30	1.7	61	36	2.8	0
20/01/2023 10:40	1.9	41	31	2.7	0
20/01/2023 10:50	1.7	58	45	2.8	0
20/01/2023 11:00	2.2	40	24	3.2	0
20/01/2023 11:10	1.5	48	37	2.7	0
20/01/2023 11:20	2.4	60	21	3.2	0
20/01/2023 11:30	2.6	54	18	3.6	0
20/01/2023 11:40	3.6	49	15	4.7	0
20/01/2023 11:50	3.9	55	14	5.1	0
20/01/2023 12:00	4.3	45	13	5.5	0
20/01/2023 12:10	4.5	47	12	6	0
20/01/2023 12:20	4.6	45	13	6	0
20/01/2023 12:30	5	48	12	6.6	0
20/01/2023 12:40	4.7	46	12	6.1	0
20/01/2023 12:50	4.8	50	12	6.4	0
20/01/2023 13:00	4.5	46	14	5.7	0
20/01/2023 13:10	4.3	49	15	5.9	0
20/01/2023 13:20	4.2	47	15	5.6	0
20/01/2023 13:30	4.3	51	13	5.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/01/2023 13:40	4.5	54	12	5.8	0
20/01/2023 13:50	4.6	51	13	6.3	0
20/01/2023 14:00	4.3	52	10	5.6	0
20/01/2023 14:10	4.3	53	12	5.7	0
20/01/2023 14:20	4.1	51	13	5.4	0
20/01/2023 14:30	3.9	51	12	5.2	0
20/01/2023 14:40	3.8	52	14	5.2	0
20/01/2023 14:50	3.8	39	15	4.9	0
20/01/2023 15:00	4	18	15	5.6	0
20/01/2023 15:10	4.5	346	13	6	0
20/01/2023 15:20	4.9	342	13	6.5	0.1
20/01/2023 15:30	5.2	345	12	6.7	0.1
20/01/2023 15:40	5.5	342	12	6.9	0
20/01/2023 15:50	5.4	349	13	6.9	0
20/01/2023 16:00	4.9	336	15	7.1	0
20/01/2023 16:10	4.8	327	17	6.8	0
20/01/2023 16:20	5.2	332	16	7.2	0
20/01/2023 16:30	5.4	331	15	7.2	0
20/01/2023 16:40	4.5	318	19	7.4	0
20/01/2023 16:50	4.9	322	18	7.3	0
20/01/2023 17:00	4.7	321	17	7.2	0
20/01/2023 17:10	4.9	323	16	7	0
20/01/2023 17:20	4.3	307	25	6.7	0
20/01/2023 17:30	4.8	326	16	7.1	0
20/01/2023 17:40	4.1	307	21	7.1	0
20/01/2023 17:50	3.9	296	23	6.7	0
20/01/2023 18:00	3.7	274	24	6.5	0
20/01/2023 18:10	3.5	274	24	5.5	0
20/01/2023 18:20	3.7	290	20	6.1	0
20/01/2023 18:30	3	286	22	5.2	0
20/01/2023 18:40	3.5	296	19	5.4	0
20/01/2023 18:50	3.2	287	20	4.9	0
20/01/2023 19:00	1.2	272	14	4.3	0
20/01/2023 19:10					0
20/01/2023 19:20					0
20/01/2023 19:30					0
20/01/2023 19:40					0
20/01/2023 19:50					0
20/01/2023 20:00	0	280	0	0.4	0
20/01/2023 20:10					0
20/01/2023 20:20					0
20/01/2023 20:30					0
20/01/2023 20:40					0
20/01/2023 20:50					0
20/01/2023 21:00					0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/01/2023 21:10					0
20/01/2023 21:20					0
20/01/2023 21:30	0.4	270	14	2.2	0
20/01/2023 21:40	2.5	271	23	3.8	0
20/01/2023 21:50	2.3	265	25	3.7	0
20/01/2023 22:00	1.7	254	46	3.4	0
20/01/2023 22:10	1.8	260	44	3.6	0
20/01/2023 22:20	1.7	258	41	3.2	0
20/01/2023 22:30	2.3	273	21	3.5	0
20/01/2023 22:40	1.8	260	42	3.1	0
20/01/2023 22:50	1.7	225	38	3	0
20/01/2023 23:00	1.6	213	38	2.6	0
20/01/2023 23:10	1.1	229	49	2.4	0
20/01/2023 23:20	1.3	252	42	2.5	0
20/01/2023 23:30	1.7	287	18	2.4	0
20/01/2023 23:40	1.7	274	17	2.3	0
20/01/2023 23:50	1.5	283	16	2.3	0
21/01/2023 00:00	1	311	19	1.5	0
21/01/2023 00:10	1	343	14	1.3	0
21/01/2023 00:20	0.8	205	34	1.6	0
21/01/2023 00:30	2	113	23	3.7	0
21/01/2023 00:40	2	106	22	4.1	0
21/01/2023 00:50					0.2
21/01/2023 01:00					0.5
21/01/2023 01:10					0
21/01/2023 01:20					0
21/01/2023 01:30					0
21/01/2023 01:40					0
21/01/2023 01:50					0
21/01/2023 02:00					0
21/01/2023 02:10					0
21/01/2023 02:20					0
21/01/2023 02:30					0
21/01/2023 02:40	1.7	154	13	3.6	0
21/01/2023 02:50	2.9	160	18	4.2	0
21/01/2023 03:00	0.6	146	7	4.9	0
21/01/2023 03:10					0
21/01/2023 03:20					0
21/01/2023 03:30					0
21/01/2023 03:40					0
21/01/2023 03:50					0
21/01/2023 04:00	1.6	123	13	3.2	0
21/01/2023 04:10	2	130	21	3.2	0
21/01/2023 04:20	1.7	132	25	2.8	0
21/01/2023 04:30	2	112	13	2.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/01/2023 04:40	2.2	122	15	3.1	0
21/01/2023 04:50	1.6	109	18	2.3	0
21/01/2023 05:00	0.4	74	12	0.9	0
21/01/2023 05:10	0.2	71	7	0.8	0
21/01/2023 05:20					0
21/01/2023 05:30	1	99	14	1.6	0
21/01/2023 05:40	2	112	9	2.7	0
21/01/2023 05:50	1.8	115	10	2.4	0
21/01/2023 06:00	1.8	108	12	2.4	0
21/01/2023 06:10	1.9	113	23	3.3	0
21/01/2023 06:20	1.7	121	20	2.7	0
21/01/2023 06:30	2.1	123	17	2.9	0
21/01/2023 06:40	1.6	104	23	2.3	0
21/01/2023 06:50	1.9	110	27	3.1	0
21/01/2023 07:00	2.1	81	19	3.4	0
21/01/2023 07:10	2.6	79	16	3.5	0
21/01/2023 07:20	3.1	78	18	4.5	0
21/01/2023 07:30	3	34	14	4.2	0
21/01/2023 07:40	2.8	37	19	4	0
21/01/2023 07:50	2.9	43	13	4	0
21/01/2023 08:00	3.3	44	12	4.5	0
21/01/2023 08:10	3.3	42	15	4.6	0
21/01/2023 08:20	2.8	47	18	3.7	0
21/01/2023 08:30	3.4	57	13	4.4	0
21/01/2023 08:40	3.2	54	13	4.3	0
21/01/2023 08:50	3.6	61	11	4.5	0
21/01/2023 09:00	3.4	53	13	4.5	0
21/01/2023 09:10	3.5	44	14	4.8	0
21/01/2023 09:20	3.4	43	13	4.7	0
21/01/2023 09:30	3.3	44	14	4.6	0
21/01/2023 09:40	3.2	53	15	4.1	0
21/01/2023 09:50	3.4	55	16	4.8	0
21/01/2023 10:00	3.4	61	13	4.4	0
21/01/2023 10:10	3.5	55	12	4.6	0
21/01/2023 10:20	3.4	59	12	4.9	0
21/01/2023 10:30	3.5	59	11	4.5	0
21/01/2023 10:40	3.3	59	13	4.3	0
21/01/2023 10:50	3.3	58	9	4.2	0
21/01/2023 11:00	3.3	61	15	4.4	0
21/01/2023 11:10	3.4	52	13	4.9	0
21/01/2023 11:20	3.5	56	16	4.7	0
21/01/2023 11:30	3.9	45	14	4.9	0
21/01/2023 11:40	3.9	47	14	5.2	0
21/01/2023 11:50	4	49	15	5.5	0
21/01/2023 12:00	4.1	49	13	5.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/01/2023 12:10	4.6	45	14	5.9	0
21/01/2023 12:20	4.7	46	11	6.3	0
21/01/2023 12:30	4.7	46	12	6.3	0
21/01/2023 12:40	4.5	47	14	5.7	0
21/01/2023 12:50	4.7	51	11	6.2	0
21/01/2023 13:00	4.5	50	13	5.8	0
21/01/2023 13:10	4.3	50	15	5.9	0
21/01/2023 13:20	4.3	44	13	5.6	0
21/01/2023 13:30	4.3	48	14	5.4	0
21/01/2023 13:40	4.4	45	13	5.4	0
21/01/2023 13:50	4.4	46	13	5.7	0
21/01/2023 14:00	4.6	46	14	5.8	0
21/01/2023 14:10	4.5	51	13	6	0
21/01/2023 14:20	4.3	44	13	5.6	0
21/01/2023 14:30	4.6	53	12	6	0
21/01/2023 14:40	4.2	43	12	5.6	0
21/01/2023 14:50	3.7	40	18	5.3	0
21/01/2023 15:00	3.8	42	18	5.7	0
21/01/2023 15:10	4.1	38	17	5.6	0
21/01/2023 15:20	4.1	14	16	5.6	0
21/01/2023 15:30	4.5	351	12	6.3	0
21/01/2023 15:40	4.4	343	15	6.3	0
21/01/2023 15:50	4.3	349	18	5.5	0
21/01/2023 16:00	3.7	178	21	5	0
21/01/2023 16:10	3.7	358	17	4.8	0
21/01/2023 16:20	3.7	343	22	5.8	0
21/01/2023 16:30	3.8	351	13	5.7	0
21/01/2023 16:40	4	351	14	5.6	0
21/01/2023 16:50	4.5	351	10	5.7	0
21/01/2023 17:00	4.3	345	12	5.8	0
21/01/2023 17:10	4	337	12	5.2	0
21/01/2023 17:20	3.4	340	14	4.7	0
21/01/2023 17:30	3.9	339	12	5.2	0
21/01/2023 17:40	3.9	344	11	5.1	0
21/01/2023 17:50	4	348	11	5.2	0
21/01/2023 18:00	4	344	14	5.4	0
21/01/2023 18:10	4.1	333	14	5.6	0
21/01/2023 18:20	3.8	327	14	5	0
21/01/2023 18:30	3.9	321	16	5.8	0
21/01/2023 18:40	4.2	330	14	5.4	0
21/01/2023 18:50	3.7	334	12	5	0
21/01/2023 19:00	3.3	334	13	4.8	0
21/01/2023 19:10	2.6	329	16	3.8	0
21/01/2023 19:20	2.5	322	20	3.5	0
21/01/2023 19:30	1.9	299	22	3.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/01/2023 19:40	2	285	26	3.3	0
21/01/2023 19:50	2.3	313	22	3.4	0
21/01/2023 20:00	2.4	336	14	3.6	0
21/01/2023 20:10	2.3	343	11	3.4	0
21/01/2023 20:20	2.7	344	15	4	0
21/01/2023 20:30	2.1	344	10	3	0
21/01/2023 20:40	2.5	345	12	3.3	0
21/01/2023 20:50	2.5	347	12	3.4	0
21/01/2023 21:00	2.5	332	11	3.2	0
21/01/2023 21:10	2	335	12	2.8	0
21/01/2023 21:20	2.1	328	12	3	0
21/01/2023 21:30	1.8	334	12	2.5	0
21/01/2023 21:40	1.9	324	17	2.8	0
21/01/2023 21:50	1.6	336	14	2.3	0
21/01/2023 22:00	1.5	326	17	2.1	0
21/01/2023 22:10	1.2	321	18	2	0
21/01/2023 22:20	1.3	340	13	2	0
21/01/2023 22:30	1.5	339	16	2.3	0
21/01/2023 22:40	1.1	328	21	1.5	0
21/01/2023 22:50	1.3	314	22	1.9	0
21/01/2023 23:00	1	307	28	1.9	0
21/01/2023 23:10	1.3	166	17	1.8	0
21/01/2023 23:20	0.5	16	10	1.1	0
21/01/2023 23:30	0.3	165	7	0.9	0
21/01/2023 23:40	0.5	340	5	0.8	0
21/01/2023 23:50	0.5	356	4	0.7	0
22/01/2023 00:00	0.3	51	10	0.8	0
22/01/2023 00:10	0.5	343	14	1	0
22/01/2023 00:20	0.6	323	9	0.9	0
22/01/2023 00:30	0.9	342	6	1.2	0
22/01/2023 00:40	0.3	179	9	0.8	0
22/01/2023 00:50	1.5	333	7	2.3	0
22/01/2023 01:00	1.5	314	14	2	0
22/01/2023 01:10	1.5	325	10	1.9	0
22/01/2023 01:20	1	329	21	1.6	0
22/01/2023 01:30	1.1	291	26	1.6	0
22/01/2023 01:40	1.1	304	17	1.7	0
22/01/2023 01:50	1.1	283	23	1.6	0
22/01/2023 02:00	1.2	291	20	1.9	0
22/01/2023 02:10	0.9	315	28	1.6	0
22/01/2023 02:20	0.9	327	30	1.7	0
22/01/2023 02:30	0.8	177	10	1.2	0
22/01/2023 02:40	1.1	5	10	1.5	0
22/01/2023 02:50	0.5	185	6	1	0
22/01/2023 03:00	0.4	311	17	1.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/01/2023 03:10	0.2	335	12	0.8	0
22/01/2023 03:20	0.6	330	5	1.1	0
22/01/2023 03:30	1	338	9	1.2	0
22/01/2023 03:40	0.6	344	15	1.2	0
22/01/2023 03:50	1	309	14	1.4	0
22/01/2023 04:00	1.3	314	21	1.9	0
22/01/2023 04:10	1.7	303	19	2.6	0
22/01/2023 04:20	1.6	301	13	2.3	0
22/01/2023 04:30	1.4	300	15	2	0
22/01/2023 04:40	1.6	269	21	2.4	0
22/01/2023 04:50	1.2	272	40	2.3	0
22/01/2023 05:00	1.5	265	21	2.4	0
22/01/2023 05:10	1.1	272	19	1.6	0
22/01/2023 05:20	1.3	251	35	2	0
22/01/2023 05:30	1.3	196	18	2.2	0
22/01/2023 05:40	1.1	244	28	1.6	0
22/01/2023 05:50	1.1	216	33	2	0
22/01/2023 06:00	1	275	28	1.7	0
22/01/2023 06:10	1.1	284	22	1.6	0
22/01/2023 06:20	1.1	287	19	1.7	0
22/01/2023 06:30	1.4	264	21	2	0
22/01/2023 06:40	1.1	269	29	1.9	0
22/01/2023 06:50	1.4	268	24	2.2	0
22/01/2023 07:00	1.6	266	17	2.2	0
22/01/2023 07:10	1	288	37	2.2	0
22/01/2023 07:20	1.3	217	33	2	0
22/01/2023 07:30	1.3	184	29	2	0
22/01/2023 07:40	1	177	60	1.9	0
22/01/2023 07:50	1.3	113	36	2	0
22/01/2023 08:00	1.9	148	32	3	0
22/01/2023 08:10	2.1	95	22	3	0
22/01/2023 08:20	1.8	96	27	2.7	0
22/01/2023 08:30	1.5	130	47	2.4	0
22/01/2023 08:40	2.2	90	24	3.5	0
22/01/2023 08:50	2.2	90	24	3.2	0
22/01/2023 09:00	2.4	62	22	3.5	0
22/01/2023 09:10	2.8	53	14	3.5	0
22/01/2023 09:20	2.4	52	18	3.3	0
22/01/2023 09:30	2.6	58	18	3.4	0
22/01/2023 09:40	2.2	61	15	3.2	0
22/01/2023 09:50	2.3	54	15	3.4	0
22/01/2023 10:00	2.7	53	12	3.5	0
22/01/2023 10:10	2.5	67	22	3.4	0
22/01/2023 10:20	2.5	55	17	3.7	0
22/01/2023 10:30	2.5	55	11	3.4	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/01/2023 10:40	2.3	53	20	3.1	0
22/01/2023 10:50	2.2	60	19	2.9	0
22/01/2023 11:00	2.1	54	26	3.3	0
22/01/2023 11:10	2	63	26	3.2	0
22/01/2023 11:20	2.1	70	21	3	0
22/01/2023 11:30	2.5	42	32	3.9	0
22/01/2023 11:40	3.3	32	21	4.8	0
22/01/2023 11:50	3.7	30	22	5.1	0
22/01/2023 12:00	3	21	24	4.5	0
22/01/2023 12:10	3.2	179	29	8.3	0
22/01/2023 12:20	3.4	189	22	5.5	0
22/01/2023 12:30	3.5	14	22	5.4	0
22/01/2023 12:40	3.4	8	25	5.7	0
22/01/2023 12:50	3.8	340	28	6.3	0
22/01/2023 13:00	4.2	334	17	6.4	0
22/01/2023 13:10	3.2	185	34	5.6	0
22/01/2023 13:20	3.6	355	20	6.5	0
22/01/2023 13:30	3.7	333	20	5.8	0
22/01/2023 13:40	3.9	343	22	5.6	0
22/01/2023 13:50	4	344	30	5.6	0
22/01/2023 14:00	3.2	351	23	5.6	0
22/01/2023 14:10	3.6	17	23	5.6	0
22/01/2023 14:20	3.5	354	24	5.6	0
22/01/2023 14:30	3.5	348	23	5.9	0
22/01/2023 14:40	4	176	22	6.4	0
22/01/2023 14:50	4	350	21	6.4	0
22/01/2023 15:00	3.8	357	16	6.2	0
22/01/2023 15:10	3.8	339	21	6.4	0
22/01/2023 15:20	4.1	342	17	6.1	0
22/01/2023 15:30	4	333	18	6.2	0
22/01/2023 15:40	4.2	330	14	5.9	0
22/01/2023 15:50	4.1	344	17	5.7	0
22/01/2023 16:00	4.7	348	15	6.4	0
22/01/2023 16:10	4.8	353	15	6.3	0
22/01/2023 16:20	5.2	347	14	7	0
22/01/2023 16:30	5.2	340	11	6.8	0
22/01/2023 16:40	5	345	13	6.9	0
22/01/2023 16:50	5.2	350	13	7	0
22/01/2023 17:00	5	341	11	6.2	0
22/01/2023 17:10	4.4	331	17	6	0
22/01/2023 17:20	4.3	343	17	6.2	0
22/01/2023 17:30	4.4	340	16	6.4	0
22/01/2023 17:40	4.1	335	16	5.5	0
22/01/2023 17:50	3.6	325	15	5.2	0
22/01/2023 18:00	3.4	326	19	5.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/01/2023 18:10	3.1	322	21	4.9	0
22/01/2023 18:20	3.4	325	13	4.8	0
22/01/2023 18:30	3.5	325	16	4.8	0
22/01/2023 18:40	2.9	307	23	4.8	0
22/01/2023 18:50	2.9	296	21	4.6	0
22/01/2023 19:00	2.9	297	17	4.4	0
22/01/2023 19:10	2.6	290	21	3.9	0
22/01/2023 19:20	2.9	300	16	4	0
22/01/2023 19:30	2.5	297	21	3.7	0
22/01/2023 19:40	2.6	299	21	4.1	0
22/01/2023 19:50	2.5	290	22	3.5	0
22/01/2023 20:00	2	283	22	3	0
22/01/2023 20:10	1.9	286	26	3.2	0
22/01/2023 20:20	2.3	288	20	3.4	0
22/01/2023 20:30	2.1	275	21	3.2	0
22/01/2023 20:40	2	284	21	3.1	0
22/01/2023 20:50	1.6	279	21	2.4	0
22/01/2023 21:00	1.8	289	24	2.7	0
22/01/2023 21:10	2.1	294	21	3.3	0
22/01/2023 21:20	2.1	284	21	3.6	0
22/01/2023 21:30	1.9	274	23	3.4	0
22/01/2023 21:40	1.9	277	26	2.8	0
22/01/2023 21:50	1.8	276	25	2.9	0
22/01/2023 22:00	2	279	19	3.1	0
22/01/2023 22:10	2.2	275	16	3.4	0
22/01/2023 22:20	2.2	272	20	3.2	0
22/01/2023 22:30	2.2	280	16	3.4	0
22/01/2023 22:40	2.2	272	23	4	0
22/01/2023 22:50	2.1	269	24	2.9	0
22/01/2023 23:00	2.2	274	17	3.2	0
22/01/2023 23:10	2.3	268	21	3.6	0
22/01/2023 23:20	1.8	264	37	3	0
22/01/2023 23:30	2.3	268	23	3.6	0
22/01/2023 23:40	2.2	273	18	3.1	0
22/01/2023 23:50	2.1	271	17	3.2	0
23/01/2023 00:00	1.9	273	21	2.9	0
23/01/2023 00:10	2.1	279	20	3.3	0
23/01/2023 00:20	2.3	282	18	3.6	0
23/01/2023 00:30	1.9	277	22	3.2	0
23/01/2023 00:40	2.2	267	30	4	0
23/01/2023 00:50	2.6	273	19	4	0
23/01/2023 01:00	2.1	280	27	3.5	0
23/01/2023 01:10	1.9	282	23	3.2	0
23/01/2023 01:20	2.1	276	26	3.4	0
23/01/2023 01:30	2.2	271	23	3.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/01/2023 01:40	1.9	275	27	2.9	0
23/01/2023 01:50	1.5	244	56	2.8	0
23/01/2023 02:00	1.8	273	32	3.1	0
23/01/2023 02:10	1.9	274	20	3.4	0
23/01/2023 02:20	1.8	275	29	3	0
23/01/2023 02:30	1.7	277	28	2.7	0
23/01/2023 02:40	1.4	269	42	2.4	0
23/01/2023 02:50	1.6	269	28	2.8	0
23/01/2023 03:00	1.4	253	46	2.4	0
23/01/2023 03:10	1.5	273	28	2.3	0
23/01/2023 03:20	1.2	229	51	2.2	0
23/01/2023 03:30	1.5	248	37	2.6	0
23/01/2023 03:40	1.5	279	23	2.4	0
23/01/2023 03:50	1.5	269	21	2.3	0
23/01/2023 04:00	1.2	225	27	2	0
23/01/2023 04:10	1.1	192	31	2	0
23/01/2023 04:20	1.4	197	24	2.4	0
23/01/2023 04:30	1.2	223	36	2.5	0
23/01/2023 04:40	1.1	213	34	2	0
23/01/2023 04:50	1.1	211	34	2.1	0
23/01/2023 05:00	1.4	219	36	2	0
23/01/2023 05:10	1.3	243	35	2.4	0
23/01/2023 05:20	1.8	206	27	2.8	0
23/01/2023 05:30	2.2	192	9	3.2	0
23/01/2023 05:40	2.5	189	13	3.2	0
23/01/2023 05:50	2.5	186	13	3.4	0
23/01/2023 06:00	2.4	188	12	3.4	0
23/01/2023 06:10	2	194	15	2.8	0
23/01/2023 06:20	2.4	198	13	3.2	0
23/01/2023 06:30	2.2	191	14	3.1	0
23/01/2023 06:40	2.2	196	14	3.3	0
23/01/2023 06:50	2.7	197	8	3.5	0
23/01/2023 07:00	2.4	199	10	3.2	0
23/01/2023 07:10	2.4	202	12	3.6	0
23/01/2023 07:20	1.8	196	19	2.8	0
23/01/2023 07:30	1.9	199	17	3	0
23/01/2023 07:40	2.2	203	19	3.3	0
23/01/2023 07:50	2	194	21	3	0
23/01/2023 08:00	2.6	201	21	3.7	0
23/01/2023 08:10	1.8	191	23	3.2	0
23/01/2023 08:20	2.3	196	20	3.6	0
23/01/2023 08:30	1.9	200	19	3.4	0
23/01/2023 08:40	1.9	183	29	3.2	0
23/01/2023 08:50	1.9	181	31	3.2	0
23/01/2023 09:00	1.9	87	27	3.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/01/2023 09:10	2.4	77	18	3.4	0
23/01/2023 09:20	1.7	150	39	2.7	0
23/01/2023 09:30	2	72	45	3.7	0
23/01/2023 09:40	1.7	71	43	2.8	0
23/01/2023 09:50	2.8	58	15	4	0
23/01/2023 10:00	3.1	67	18	4.2	0
23/01/2023 10:10	3	69	13	3.9	0
23/01/2023 10:20	3.2	61	14	4.2	0
23/01/2023 10:30	2.4	61	18	3.2	0
23/01/2023 10:40	2.5	58	19	3.5	0
23/01/2023 10:50	2.8	58	14	3.8	0
23/01/2023 11:00	2.5	42	21	3.7	0
23/01/2023 11:10	2.2	199	48	4.5	0
23/01/2023 11:20	3.4	342	27	5.3	0
23/01/2023 11:30	3.2	348	27	5.2	0
23/01/2023 11:40	2.8	333	32	5.3	0
23/01/2023 11:50	3.5	332	22	5.7	0
23/01/2023 12:00	3	325	29	5.3	0
23/01/2023 12:10	3.3	340	25	5.6	0
23/01/2023 12:20	3.1	351	28	5.5	0
23/01/2023 12:30	2.5	314	39	4.4	0
23/01/2023 12:40	2.8	341	34	4.3	0
23/01/2023 12:50	3.5	186	26	5.2	0
23/01/2023 13:00	2.6	11	35	4.8	0
23/01/2023 13:10	2.9	351	38	5	0
23/01/2023 13:20	3.1	346	34	5.8	0
23/01/2023 13:30	3	337	29	4.8	0
23/01/2023 13:40	3.5	173	25	5.7	0
23/01/2023 13:50	3.4	328	24	6.1	0
23/01/2023 14:00	3.4	316	26	5.6	0
23/01/2023 14:10	3.4	311	25	5.8	0
23/01/2023 14:20	3.3	326	23	5.4	0
23/01/2023 14:30	3.3	320	24	5.4	0
23/01/2023 14:40	3.9	323	16	5.8	0
23/01/2023 14:50	3.7	333	25	6.5	0
23/01/2023 15:00	4.2	335	16	6.4	0
23/01/2023 15:10	3.9	326	20	6.6	0
23/01/2023 15:20	3.9	317	16	6	0
23/01/2023 15:30	4.5	329	17	6.7	0
23/01/2023 15:40	4.7	336	13	6.5	0
23/01/2023 15:50	4.5	325	13	6.3	0
23/01/2023 16:00	4.6	335	17	6	0
23/01/2023 16:10	4.3	328	15	6.2	0
23/01/2023 16:20	4.5	328	15	6.2	0
23/01/2023 16:30	4.1	323	15	5.9	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/01/2023 16:40	4.5	325	16	6.3	0
23/01/2023 16:50	4.8	328	17	6.9	0
23/01/2023 17:00	4.5	324	13	6.4	0
23/01/2023 17:10	4.5	327	16	6.4	0
23/01/2023 17:20	4.2	323	18	6	0
23/01/2023 17:30	4.3	328	14	6.3	0
23/01/2023 17:40	3.6	320	15	5.5	0
23/01/2023 17:50	3.7	323	16	5.2	0
23/01/2023 18:00	3.1	292	22	4.7	0
23/01/2023 18:10	3.3	297	25	5.2	0
23/01/2023 18:20	3.1	288	26	5.2	0
23/01/2023 18:30	3.5	301	20	5.4	0
23/01/2023 18:40	3.1	288	21	6	0
23/01/2023 18:50	3.5	287	21	5.5	0
23/01/2023 19:00	3.3	278	23	5.7	0
23/01/2023 19:10	3.2	283	20	5.2	0
23/01/2023 19:20	3.6	291	25	5.9	0
23/01/2023 19:30	2.9	279	25	4.5	0
23/01/2023 19:40	3.8	300	20	5.8	0
23/01/2023 19:50	3.2	281	24	4.8	0
23/01/2023 20:00	3.1	281	21	4.4	0
23/01/2023 20:10	2.7	272	21	4	0
23/01/2023 20:20	3.1	269	24	4.8	0
23/01/2023 20:30	3.3	265	20	5.5	0
23/01/2023 20:40	2.9	282	24	4.9	0
23/01/2023 20:50	3.4	279	23	5.2	0
23/01/2023 21:00	3.4	269	21	5.2	0
23/01/2023 21:10	3	271	22	4.8	0
23/01/2023 21:20	3.5	273	21	5.6	0
23/01/2023 21:30	3.2	262	21	5	0
23/01/2023 21:40	3.3	270	21	4.8	0
23/01/2023 21:50	3.2	270	21	5.3	0
23/01/2023 22:00	2.3	252	37	3.8	0
23/01/2023 22:10	2.1	264	30	3.6	0
23/01/2023 22:20	1.7	216	46	3.1	0
23/01/2023 22:30	1.8	262	50	3.3	0
23/01/2023 22:40	2.2	263	30	3.6	0
23/01/2023 22:50	1.7	243	54	3.3	0
23/01/2023 23:00	1.4	221	60	2.5	0
23/01/2023 23:10	1.4	245	47	2.7	0
23/01/2023 23:20	1.6	264	35	2.9	0
23/01/2023 23:30	1.8	279	19	2.8	0
23/01/2023 23:40	1.8	258	30	2.9	0
23/01/2023 23:50	1.3	218	49	2.3	0
24/01/2023 00:00	1.8	210	36	4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/01/2023 00:10	2.2	207	26	4	0
24/01/2023 00:20	1.8	217	31	2.9	0
24/01/2023 00:30	2.8	196	20	4.2	0
24/01/2023 00:40	2.7	213	21	4	0
24/01/2023 00:50	3.7	194	15	5.3	0
24/01/2023 01:00	3	200	14	4.2	0
24/01/2023 01:10	3.2	196	15	4.8	0
24/01/2023 01:20	3.6	199	12	4.9	0
24/01/2023 01:30	3.4	198	17	4.8	0
24/01/2023 01:40	5.1	144	32	9.8	0
24/01/2023 01:50	6.2	104	26	9.9	0
24/01/2023 02:00	5.6	105	25	8.6	0
24/01/2023 02:10	5.8	108	23	9.5	0
24/01/2023 02:20	5.1	106	27	9.3	0
24/01/2023 02:30	4.9	97	23	8.5	0
24/01/2023 02:40	5.6	103	22	9.1	0
24/01/2023 02:50	4.9	103	27	7.7	0
24/01/2023 03:00	4.7	113	22	7.8	0
24/01/2023 03:10	3.9	109	22	6.2	0
24/01/2023 03:20	4.7	111	23	8.1	0
24/01/2023 03:30	4.2	105	21	7.1	0
24/01/2023 03:40	3.7	99	22	6.8	0
24/01/2023 03:50	3.5	114	23	5.9	0
24/01/2023 04:00	3.8	105	23	6.1	0
24/01/2023 04:10	4.1	116	27	6.6	0
24/01/2023 04:20	3.2	122	26	5.5	0
24/01/2023 04:30	3.7	118	23	6.5	0
24/01/2023 04:40	3.3	117	22	5.6	0
24/01/2023 04:50	3.1	106	20	4.7	0
24/01/2023 05:00	3.4	90	18	5.2	0
24/01/2023 05:10	3.4	82	12	4.8	0
24/01/2023 05:20	3.3	82	13	4.6	0
24/01/2023 05:30	3.3	86	14	4.8	0
24/01/2023 05:40	3.5	83	12	5.1	0
24/01/2023 05:50	3	75	15	4	0
24/01/2023 06:00	3.3	67	16	4.8	0
24/01/2023 06:10	3.3	75	14	4.8	0
24/01/2023 06:20	3.5	83	13	4.7	0
24/01/2023 06:30	3.5	77	16	5	0
24/01/2023 06:40	4.4	63	14	6.7	0
24/01/2023 06:50	5.1	70	14	7.7	0
24/01/2023 07:00	5.6	62	14	7.2	0
24/01/2023 07:10	5.1	67	12	6.8	0
24/01/2023 07:20	5.2	71	15	7.2	0
24/01/2023 07:30	4.6	71	15	7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/01/2023 07:40	4.4	63	13	6.7	0
24/01/2023 07:50	4.8	68	15	7	0
24/01/2023 08:00	5	65	14	6.9	0
24/01/2023 08:10	4.3	69	15	6	0
24/01/2023 08:20	4.7	74	14	6.3	0
24/01/2023 08:30	4.3	67	16	5.7	0
24/01/2023 08:40	4.1	79	15	6.1	0
24/01/2023 08:50	4.4	78	14	6.4	0
24/01/2023 09:00	4.3	74	17	5.8	0
24/01/2023 09:10	4.8	78	15	6.8	0
24/01/2023 09:20	4.8	77	13	6.9	0
24/01/2023 09:30	4.7	72	16	6.8	0
24/01/2023 09:40	4.8	67	16	6.7	0
24/01/2023 09:50	4.4	82	15	5.7	0
24/01/2023 10:00	4.5	87	14	6.7	0
24/01/2023 10:10	4.7	80	14	6.4	0
24/01/2023 10:20	4.6	77	14	6.7	0
24/01/2023 10:30	4.5	77	16	6.4	0
24/01/2023 10:40	4.3	81	15	6.4	0
24/01/2023 10:50	4.3	81	14	6	0
24/01/2023 11:00	4.4	76	14	6.3	0
24/01/2023 11:10	4.6	72	13	6.6	0
24/01/2023 11:20	4.7	70	17	6.8	0
24/01/2023 11:30	4.9	60	13	6.6	0
24/01/2023 11:40	4.8	56	13	6.4	0
24/01/2023 11:50	4.4	54	13	5.9	0
24/01/2023 12:00	4.4	55	15	5.6	0
24/01/2023 12:10	3.8	45	13	4.9	0
24/01/2023 12:20	3.9	51	12	5.5	0
24/01/2023 12:30	3.6	52	16	4.8	0
24/01/2023 12:40	3.9	57	13	4.9	0
24/01/2023 12:50	3.4	51	15	4.4	0
24/01/2023 13:00	3.4	61	12	4.7	0
24/01/2023 13:10	3.7	62	14	5	0
24/01/2023 13:20	4.1	62	11	5	0
24/01/2023 13:30	4.2	63	11	5.4	0
24/01/2023 13:40	3.9	58	15	5	0
24/01/2023 13:50	4.2	56	12	5.6	0
24/01/2023 14:00	4.2	51	14	5.7	0
24/01/2023 14:10	4.4	48	14	6.1	0
24/01/2023 14:20	4.4	48	15	6	0
24/01/2023 14:30	4.6	49	13	6.4	0
24/01/2023 14:40	4.6	47	14	5.8	0
24/01/2023 14:50	4.1	175	22	6.5	0
24/01/2023 15:00	4.5	349	14	6.2	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/01/2023 15:10	4.4	350	18	6.4	0
24/01/2023 15:20	4.7	347	15	6.8	0
24/01/2023 15:30	5.1	355	13	7.5	0
24/01/2023 15:40	5.2	348	14	7.2	0
24/01/2023 15:50	5.9	353	11	7.9	0
24/01/2023 16:00	5.9	352	13	7.7	0
24/01/2023 16:10	6.2	345	12	8.1	0
24/01/2023 16:20	5.8	341	17	8	0
24/01/2023 16:30	5.4	344	13	7.3	0
24/01/2023 16:40	5.5	355	11	7.2	0
24/01/2023 16:50	5.4	344	10	7	0
24/01/2023 17:00	5.1	348	11	6.8	0
24/01/2023 17:10	4.2	351	14	6.1	0
24/01/2023 17:20	4.2	334	16	6	0
24/01/2023 17:30	3.6	301	16	5	0
24/01/2023 17:40	3	306	22	5.1	0
24/01/2023 17:50	3	293	20	4.4	0
24/01/2023 18:00	3.1	299	19	4.8	0
24/01/2023 18:10	3.2	284	18	4.4	0
24/01/2023 18:20					
24/01/2023 18:30					
24/01/2023 18:40					
24/01/2023 18:50					
24/01/2023 19:00					
24/01/2023 19:10					
24/01/2023 19:20					
24/01/2023 19:30					
24/01/2023 19:40					
24/01/2023 19:50					
24/01/2023 20:00					
24/01/2023 20:10					
24/01/2023 20:20					
24/01/2023 20:30					
24/01/2023 20:40					
24/01/2023 20:50					
24/01/2023 21:00					
24/01/2023 21:10					
24/01/2023 21:20					
24/01/2023 21:30					
24/01/2023 21:40					
24/01/2023 21:50					
24/01/2023 22:00					
24/01/2023 22:10					
24/01/2023 22:20					
24/01/2023 22:30					





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/01/2023 22:40					
24/01/2023 22:50					
24/01/2023 23:00					
24/01/2023 23:10					
24/01/2023 23:20					
24/01/2023 23:30					
24/01/2023 23:40					
24/01/2023 23:50					
25/01/2023 00:00					
26/01/2023 00:10	1.5	241	46	2.8	0
26/01/2023 00:20	2	221	46	3.9	0
26/01/2023 00:30	2.5	205	30	4	0
26/01/2023 00:40	2.6	215	31	4.8	0
26/01/2023 00:50	3.1	214	32	5.6	0
26/01/2023 01:00	3.7	209	26	6	0
26/01/2023 01:10	3.3	207	27	5.7	0
26/01/2023 01:20	3.4	207	31	5.6	0
26/01/2023 01:30	3.6	209	24	5.7	0
26/01/2023 01:40	3.2	210	26	6.2	0
26/01/2023 01:50	2.7	205	32	4.8	0
26/01/2023 02:00	3.5	200	20	5.5	0
26/01/2023 02:10	2.8	208	26	4.8	0
26/01/2023 02:20	1.8	212	48	3.6	0
26/01/2023 02:30	2.7	204	29	5.2	0
26/01/2023 02:40	2.6	210	24	4.1	0
26/01/2023 02:50	3	208	26	5	0
26/01/2023 03:00	2.8	207	28	5	0
26/01/2023 03:10	3.7	200	18	6.2	0
26/01/2023 03:20	4	206	17	5.8	0
26/01/2023 03:30	4.1	201	17	6	0
26/01/2023 03:40	3.9	201	17	5.6	0
26/01/2023 03:50	4.1	204	16	5.8	0
26/01/2023 04:00	3.8	195	15	6	0
26/01/2023 04:10	4.6	191	13	6.8	0
26/01/2023 04:20	4.6	193	13	6.4	0
26/01/2023 04:30	4.3	192	12	6.1	0
26/01/2023 04:40	4.9	191	11	6.8	0
26/01/2023 04:50	4.7	194	10	6.1	0
26/01/2023 05:00	4.7	195	10	6.8	0
26/01/2023 05:10	4	191	13	5.8	0
26/01/2023 05:20	2.5	200	23	3.7	0
26/01/2023 05:30	2.5	200	19	4.1	0
26/01/2023 05:40	3	199	15	4.8	0
26/01/2023 05:50	3.9	192	11	5.3	0
26/01/2023 06:00	2.7	195	16	4.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/01/2023 06:10	2.4	205	15	3.4	0
26/01/2023 06:20	2.1	211	27	3.5	0
26/01/2023 06:30	2.2	208	25	3.4	0
26/01/2023 06:40	2.4	205	21	3.6	0
26/01/2023 06:50	2.6	199	17	4.2	0
26/01/2023 07:00	2.6	205	18	3.9	0
26/01/2023 07:10	2.6	203	16	3.6	0
26/01/2023 07:20	3	205	19	5.3	0
26/01/2023 07:30	2.9	201	19	4.3	0
26/01/2023 07:40	1.9	224	31	3.4	0
26/01/2023 07:50	1.8	197	31	3.3	0
26/01/2023 08:00	1.9	225	29	3.6	0
26/01/2023 08:10	1.9	214	29	3.4	0
26/01/2023 08:20	2.3	206	24	4	0
26/01/2023 08:30	2.7	201	20	4.2	0
26/01/2023 08:40	3.7	203	15	5	0
26/01/2023 08:50	3.1	193	20	5.2	0
26/01/2023 09:00	3.3	193	19	4.9	0
26/01/2023 09:10	3.4	202	19	4.8	0
26/01/2023 09:20	3.1	208	22	5.1	0
26/01/2023 09:30	3.2	197	16	4.4	0
26/01/2023 09:40	2.8	209	25	4.4	0
26/01/2023 09:50	2.7	200	24	4.2	0
26/01/2023 10:00	2.3	197	27	4.3	0
26/01/2023 10:10	2.4	197	32	4.4	0
26/01/2023 10:20	2	192	39	3.7	0
26/01/2023 10:30	2.5	191	42	4.4	0
26/01/2023 10:40	2.3	179	37	4.1	0
26/01/2023 10:50	2.9	260	38	4.4	0
26/01/2023 11:00	3.1	289	22	4.5	0
26/01/2023 11:10	2.6	283	29	4	0
26/01/2023 11:20	2.8	282	27	4.4	0
26/01/2023 11:30	2.7	275	27	4.2	0
26/01/2023 11:40	2.9	267	18	4.5	0
26/01/2023 11:50	2.7	277	26	4.2	0
26/01/2023 12:00	2.8	263	26	4.1	0
26/01/2023 12:10	2.9	275	22	4.1	0
26/01/2023 12:20	3	283	25	4.4	0
26/01/2023 12:30	3.2	277	24	4.4	0
26/01/2023 12:40	3.2	279	23	4.8	0
26/01/2023 12:50	3.2	274	29	4.9	0
26/01/2023 13:00	3.2	277	21	5	0
26/01/2023 13:10	3.4	272	22	5.6	0
26/01/2023 13:20	3.4	285	20	5.3	0
26/01/2023 13:30	3.5	271	26	5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/01/2023 13:40	3.5	262	21	5.6	0
26/01/2023 13:50	3.9	271	21	6	0
26/01/2023 14:00	3.8	263	20	5.6	0
26/01/2023 14:10	3.9	265	23	6.1	0
26/01/2023 14:20	3.9	281	26	5.5	0
26/01/2023 14:30	3.7	276	28	5.7	0
26/01/2023 14:40	3.8	263	20	5.5	0
26/01/2023 14:50	3.6	274	23	5.7	0
26/01/2023 15:00	3.8	278	24	6	0
26/01/2023 15:10	4.1	267	16	6.4	0
26/01/2023 15:20	3.8	271	24	5.7	0
26/01/2023 15:30	4.2	269	20	6	0
26/01/2023 15:40	4.1	278	21	6.6	0
26/01/2023 15:50	3.6	276	23	5.9	0
26/01/2023 16:00	3.9	275	22	5.8	0
26/01/2023 16:10	4.1	273	17	6.8	0
26/01/2023 16:20	4.1	276	22	6.1	0
26/01/2023 16:30	4	271	19	6.3	0
26/01/2023 16:40	4.4	272	19	6.9	0
26/01/2023 16:50	4.4	276	19	6.4	0
26/01/2023 17:00	4.3	271	21	6.4	0
26/01/2023 17:10	4.2	276	22	6.7	0
26/01/2023 17:20	3.9	272	20	5.6	0
26/01/2023 17:30	3.9	270	19	6.1	0
26/01/2023 17:40	4.4	273	16	6.2	0
26/01/2023 17:50	4.2	277	19	6.2	0
26/01/2023 18:00	3.9	282	24	5.7	0
26/01/2023 18:10	3.8	274	20	6	0
26/01/2023 18:20	3.3	275	19	5.2	0
26/01/2023 18:30	3.5	273	21	5.5	0
26/01/2023 18:40	3.5	271	27	6.2	0
26/01/2023 18:50	3.1	275	34	5.4	0
26/01/2023 19:00	3.1	261	26	5.2	0
26/01/2023 19:10	2.8	270	33	4.8	0
26/01/2023 19:20	3.1	271	32	5.3	0
26/01/2023 19:30	2.8	262	27	4.1	0
26/01/2023 19:40	2.9	273	22	4.4	0
26/01/2023 19:50	3	265	32	4.9	0
26/01/2023 20:00	2.9	262	33	4.9	0
26/01/2023 20:10	3	271	23	6.1	0
26/01/2023 20:20	3	277	22	4.8	0
26/01/2023 20:30	2.8	261	28	4.8	0
26/01/2023 20:40	2.8	270	25	5.3	0
26/01/2023 20:50	2.4	255	37	4.8	0
26/01/2023 21:00	2.5	256	36	5.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/01/2023 21:10	2.2	233	44	3.9	0
26/01/2023 21:20	3	247	34	5	0
26/01/2023 21:30	2.9	253	35	4.9	0
26/01/2023 21:40	2.5	250	45	4.7	0
26/01/2023 21:50	2.7	255	38	5.2	0
26/01/2023 22:00	2.6	255	45	5.4	0
26/01/2023 22:10	1.8	220	50	3.9	0
26/01/2023 22:20	1.7	236	53	3.2	0
26/01/2023 22:30	2.3	255	47	4.1	0
26/01/2023 22:40	2.1	241	52	4.1	0
26/01/2023 22:50	2.5	248	30	4.4	0
26/01/2023 23:00	2.2	257	52	4.4	0
26/01/2023 23:10	2.1	255	51	4.1	0
26/01/2023 23:20	1.8	234	63	3.6	0
26/01/2023 23:30	2.3	242	48	4.4	0
26/01/2023 23:40	1.8	239	77	4	0
26/01/2023 23:50	2.1	237	53	4.8	0
27/01/2023 00:00	2.5	244	46	4.4	0
27/01/2023 00:10	2.3	254	42	4.8	0
27/01/2023 00:20	2.3	245	53	5.2	0
27/01/2023 00:30	2.4	210	49	5.1	0
27/01/2023 00:40	2.8	238	48	6.3	0
27/01/2023 00:50	2.4	216	52	4.1	0
27/01/2023 01:00	3.4	216	31	6.5	0
27/01/2023 01:10	2.9	210	38	5.1	0
27/01/2023 01:20	3	208	37	5.5	0
27/01/2023 01:30	2.9	204	31	5.1	0
27/01/2023 01:40	2.4	211	41	4.3	0
27/01/2023 01:50	2.5	215	42	5.2	0
27/01/2023 02:00	2.4	227	53	4.7	0
27/01/2023 02:10	1.7	197	62	3.6	0
27/01/2023 02:20	1.8	210	63	3.9	0
27/01/2023 02:30	2	198	38	4.4	0
27/01/2023 02:40	2.2	203	37	3.8	0
27/01/2023 02:50	2.1	197	42	3.6	0
27/01/2023 03:00	2	196	45	4	0
27/01/2023 03:10	1.7	240	55	3.1	0
27/01/2023 03:20	1.7	252	49	3.6	0
27/01/2023 03:30	2	272	33	4	0
27/01/2023 03:40	1.8	261	36	3.3	0
27/01/2023 03:50	1.1	197	60	2.6	0
27/01/2023 04:00	1.2	279	61	2.4	0
27/01/2023 04:10	0.9	158	73	1.7	0
27/01/2023 04:20	0.8	251	74	1.8	0
27/01/2023 04:30	1.2	256	57	2.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/01/2023 04:40	0.9	298	35	1.8	0
27/01/2023 04:50	1	283	39	1.6	0
27/01/2023 05:00	1.5	289	18	2.2	0
27/01/2023 05:10	1	312	23	1.7	0
27/01/2023 05:20	0.5	313	38	1.2	0
27/01/2023 05:30	1.1	257	38	2.3	0
27/01/2023 05:40	1.5	277	25	2.2	0
27/01/2023 05:50	1	275	31	2.5	0
27/01/2023 06:00	0.9	290	17	1.6	0
27/01/2023 06:10	1.8	282	14	2.7	0
27/01/2023 06:20	1.2	259	51	2.3	0
27/01/2023 06:30	1.2	206	36	2.4	0
27/01/2023 06:40	1.2	251	49	2.1	0
27/01/2023 06:50	1.6	236	30	2.4	0
27/01/2023 07:00	1.4	223	27	2.5	0
27/01/2023 07:10	1.9	268	21	2.8	0
27/01/2023 07:20	1.6	275	21	2.4	0
27/01/2023 07:30	1.7	257	20	2.7	0
27/01/2023 07:40	1.4	272	32	2.4	0
27/01/2023 07:50	1.9	277	19	3.1	0
27/01/2023 08:00	2	278	22	3.2	0
27/01/2023 08:10	1.7	288	37	2.9	0
27/01/2023 08:20	1.7	240	39	3.2	0
27/01/2023 08:30	2	184	23	3.4	0
27/01/2023 08:40	2	204	19	2.8	0
27/01/2023 08:50	1.6	138	40	2.4	0
27/01/2023 09:00	1.4	165	60	2.6	0
27/01/2023 09:10	1.4	146	40	2.4	0
27/01/2023 09:20	1.7	107	39	2.7	0
27/01/2023 09:30	1.7	171	42	2.6	0
27/01/2023 09:40	1.5	73	35	2.9	0
27/01/2023 09:50	1.9	59	33	3.1	0
27/01/2023 10:00	1.7	71	35	2.5	0
27/01/2023 10:10	2.1	55	21	3.4	0
27/01/2023 10:20	1.8	69	26	3	0
27/01/2023 10:30	2.2	61	20	3.6	0
27/01/2023 10:40	2.2	50	25	3.1	0
27/01/2023 10:50	2.1	61	19	3.6	0
27/01/2023 11:00	2.3	54	18	3.3	0
27/01/2023 11:10	2.4	57	18	3.4	0
27/01/2023 11:20	2.7	45	18	3.6	0
27/01/2023 11:30	2.1	31	37	3.2	0
27/01/2023 11:40	2.7	198	57	5.1	0
27/01/2023 11:50	2.9	351	26	4.4	0
27/01/2023 12:00	2.8	289	33	4.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/01/2023 12:10	3	315	32	4.4	0
27/01/2023 12:20	3.7	327	16	5.3	0
27/01/2023 12:30	3	313	34	4.8	0
27/01/2023 12:40	3.1	280	30	5.1	0
27/01/2023 12:50	3.2	280	26	5	0
27/01/2023 13:00	3.5	303	26	5.6	0
27/01/2023 13:10	3.3	297	25	5.2	0
27/01/2023 13:20	3.3	299	25	5.2	0
27/01/2023 13:30	4	310	26	6	0
27/01/2023 13:40	3.4	288	29	5.4	0
27/01/2023 13:50	3.8	262	21	5.8	0
27/01/2023 14:00	4.3	292	22	6.6	0
27/01/2023 14:10	4.1	294	23	6.5	0
27/01/2023 14:20	3.6	300	24	5.6	0
27/01/2023 14:30	3.9	289	23	6.1	0
27/01/2023 14:40	4.2	291	22	6.7	0
27/01/2023 14:50	4	294	23	6.4	0
27/01/2023 15:00	3.6	293	23	6.4	0
27/01/2023 15:10	4.1	285	24	7.2	0
27/01/2023 15:20	4.4	290	21	6.5	0
27/01/2023 15:30	4.5	294	23	6.4	0
27/01/2023 15:40	3.8	285	30	5.9	0
27/01/2023 15:50	3.8	278	21	5.6	0
27/01/2023 16:00	3.1	265	34	4.8	0
27/01/2023 16:10	2.3	259	33	4	0
27/01/2023 16:20	2.6	278	23	4.4	0
27/01/2023 16:30	2.2	282	27	3.3	0
27/01/2023 16:40	2.9	297	22	4.2	0
27/01/2023 16:50	2.7	294	19	4.3	0
27/01/2023 17:00	3.2	284	17	4.6	0
27/01/2023 17:10	3.9	301	21	5.7	0
27/01/2023 17:20	3.3	279	18	4.9	0
27/01/2023 17:30	3.2	280	20	4.7	0
27/01/2023 17:40	2.9	296	26	4.4	0
27/01/2023 17:50	3	289	26	5.1	0
27/01/2023 18:00	3.5	291	23	5.2	0
27/01/2023 18:10	3.4	283	24	5.4	0
27/01/2023 18:20	3.5	288	21	5.9	0
27/01/2023 18:30	3.4	279	20	5.7	0
27/01/2023 18:40	3.5	291	24	6	0
27/01/2023 18:50	3	288	26	5.1	0
27/01/2023 19:00	3.3	295	21	5.4	0
27/01/2023 19:10	3.4	291	21	5.6	0
27/01/2023 19:20	2.9	280	25	4.8	0
27/01/2023 19:30	2.9	272	20	4.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/01/2023 19:40	2.7	276	20	4	0
27/01/2023 19:50	2.3	291	25	4.2	0
27/01/2023 20:00	2.4	289	21	3.5	0
27/01/2023 20:10	2.5	282	24	3.9	0
27/01/2023 20:20	3	281	17	4.4	0
27/01/2023 20:30	2.6	284	20	4.2	0
27/01/2023 20:40	2.8	272	21	4.1	0
27/01/2023 20:50	2.3	285	24	4	0
27/01/2023 21:00	1.5	322	30	2.5	0
27/01/2023 21:10	1.8	339	17	2.9	0
27/01/2023 21:20	2.5	340	11	3.7	0
27/01/2023 21:30	2.8	344	15	3.9	0
27/01/2023 21:40	2.4	328	15	3.3	0
27/01/2023 21:50	2.7	329	12	3.6	0
27/01/2023 22:00	2.8	328	13	4	0
27/01/2023 22:10	2.7	334	14	3.8	0
27/01/2023 22:20	2.7	342	13	3.9	0
27/01/2023 22:30	3.4	330	12	4.7	0
27/01/2023 22:40	3	336	12	4.2	0
27/01/2023 22:50	3.2	343	13	4.4	0
27/01/2023 23:00	3.5	350	13	4.8	0
27/01/2023 23:10	3	357	14	4.1	0
27/01/2023 23:20	3.1	181	12	4	0
27/01/2023 23:30	3.2	182	16	4.8	0
27/01/2023 23:40	3.3	3	11	4.9	0
27/01/2023 23:50	3.1	3	11	4.6	0
28/01/2023 00:00	3.6	10	12	5.6	0
28/01/2023 00:10	3.7	11	11	5.6	0
28/01/2023 00:20	3.4	15	14	5	0
28/01/2023 00:30	3.6	6	13	4.9	0
28/01/2023 00:40	3.5	357	15	4.6	0
28/01/2023 00:50	2.5	183	15	4.1	0
28/01/2023 01:00	3.4	348	13	4.8	0
28/01/2023 01:10	3.1	348	18	4.2	0
28/01/2023 01:20	2.7	355	14	3.5	0
28/01/2023 01:30	3.2	343	13	4.5	0
28/01/2023 01:40	2.7	345	11	3.8	0
28/01/2023 01:50	2.7	340	13	3.5	0
28/01/2023 02:00	2.9	340	12	4.2	0
28/01/2023 02:10	3.1	345	13	4.4	0
28/01/2023 02:20	2.9	338	10	4	0
28/01/2023 02:30	2.9	335	17	4	0
28/01/2023 02:40	3	329	12	5	0
28/01/2023 02:50	3.3	326	15	5.2	0
28/01/2023 03:00	3.3	328	14	5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/01/2023 03:10	3.1	327	16	5.2	0
28/01/2023 03:20	2.7	321	15	4	0
28/01/2023 03:30	2.1	309	26	3.6	0
28/01/2023 03:40	2.2	318	19	3.6	0
28/01/2023 03:50	1.6	303	24	2.4	0
28/01/2023 04:00	1.9	310	22	3.2	0
28/01/2023 04:10	1.1	323	36	1.9	0
28/01/2023 04:20	1.1	168	17	1.6	0
28/01/2023 04:30	1.3	333	19	2	0
28/01/2023 04:40	1.1	197	13	1.6	0
28/01/2023 04:50	1.1	177	16	1.5	0
28/01/2023 05:00	1	15	14	1.4	0
28/01/2023 05:10	1.2	9	10	1.5	0
28/01/2023 05:20	1.6	182	15	2.4	0
28/01/2023 05:30	1.8	354	11	2.3	0
28/01/2023 05:40	1.3	175	10	1.9	0
28/01/2023 05:50	1.9	181	15	2.8	0
28/01/2023 06:00	2.1	183	9	2.7	0
28/01/2023 06:10	1.6	14	12	2.1	0
28/01/2023 06:20	1.7	12	12	2.4	0
28/01/2023 06:30	1.6	4	14	2.4	0
28/01/2023 06:40	1.8	12	13	2.6	0
28/01/2023 06:50	2.2	11	12	3.2	0
28/01/2023 07:00	2.4	10	13	3.2	0
28/01/2023 07:10	2.6	177	16	3.6	0
28/01/2023 07:20	2.3	7	16	3.2	0
28/01/2023 07:30	2	177	20	2.8	0
28/01/2023 07:40	2.4	349	17	3.5	0
28/01/2023 07:50	2.6	182	14	3.4	0
28/01/2023 08:00	2	14	12	3.4	0
28/01/2023 08:10	2.4	46	17	3.7	0
28/01/2023 08:20	2.8	67	16	4	0
28/01/2023 08:30	3	63	15	4	0
28/01/2023 08:40	3	66	15	4	0
28/01/2023 08:50	3.1	57	14	4.3	0
28/01/2023 09:00	2.9	50	14	4.4	0
28/01/2023 09:10	3.1	52	15	4.6	0
28/01/2023 09:20	3.8	53	14	5.3	0
28/01/2023 09:30	3.8	57	12	5.2	0
28/01/2023 09:40	3.7	51	13	4.7	0
28/01/2023 09:50	3.6	54	14	5	0
28/01/2023 10:00	4	50	14	5	0
28/01/2023 10:10	4	58	12	5.6	0
28/01/2023 10:20	4	57	13	5.3	0
28/01/2023 10:30	4.2	61	11	5.6	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/01/2023 10:40	4.3	56	12	6	0
28/01/2023 10:50	4.5	55	13	5.9	0
28/01/2023 11:00	4.3	58	14	6	0
28/01/2023 11:10	4.1	60	13	5.2	0
28/01/2023 11:20	4.2	62	13	5.7	0
28/01/2023 11:30	4.4	58	12	5.8	0
28/01/2023 11:40	4.4	59	10	5.5	0
28/01/2023 11:50	4.1	58	13	5.6	0
28/01/2023 12:00	4.1	57	13	5.2	0
28/01/2023 12:10	4.2	57	13	5.3	0
28/01/2023 12:20	4	55	14	5	0
28/01/2023 12:30	4.1	60	11	5.2	0
28/01/2023 12:40	4.3	61	10	5.5	0
28/01/2023 12:50	4.7	58	10	6	0
28/01/2023 13:00	4.4	59	13	5.6	0
28/01/2023 13:10	4.6	62	10	5.7	0
28/01/2023 13:20	4.8	57	14	6.1	0
28/01/2023 13:30	4.7	57	13	6.2	0
28/01/2023 13:40	4.5	53	15	6.3	0
28/01/2023 13:50	4.6	55	14	6.5	0
28/01/2023 14:00	4.2	47	14	5.6	0
28/01/2023 14:10	4.5	49	15	5.9	0
28/01/2023 14:20	4.6	49	14	6.2	0
28/01/2023 14:30	5	46	12	6.4	0
28/01/2023 14:40	4.8	47	12	6.6	0
28/01/2023 14:50	5.4	47	13	7.3	0
28/01/2023 15:00	4.8	26	21	6.5	0
28/01/2023 15:10	5	18	16	7.2	0
28/01/2023 15:20	4.9	351	19	7	0
28/01/2023 15:30	5.6	352	15	7.7	0
28/01/2023 15:40	5.6	336	11	7.5	0
28/01/2023 15:50	5.3	343	12	7	0
28/01/2023 16:00	5.2	341	14	7.3	0
28/01/2023 16:10	5.1	326	15	7.2	0
28/01/2023 16:20	4.8	329	15	6.7	0
28/01/2023 16:30	5	344	11	7.2	0
28/01/2023 16:40	3.9	333	15	5.8	0
28/01/2023 16:50	3.9	327	20	5.7	0
28/01/2023 17:00	3.8	324	18	6.1	0
28/01/2023 17:10	3.6	321	22	5.6	0
28/01/2023 17:20	3.8	324	18	5.3	0
28/01/2023 17:30	3.9	325	18	5.4	0
28/01/2023 17:40	3.5	326	15	5.1	0
28/01/2023 17:50	3.4	330	13	4.7	0
28/01/2023 18:00	3.2	339	13	4.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/01/2023 18:10	2.8	335	14	4.2	0
28/01/2023 18:20	2.9	340	14	4	0
28/01/2023 18:30	3.4	350	14	4.7	0
28/01/2023 18:40	3.9	360	13	5.2	0
28/01/2023 18:50	3.4	343	14	4.7	0
28/01/2023 19:00	3.3	336	13	4.2	0
28/01/2023 19:10	3.6	346	11	4.6	0
28/01/2023 19:20	3.2	343	12	3.9	0
28/01/2023 19:30	3	353	13	4.3	0
28/01/2023 19:40	3	353	15	4.4	0
28/01/2023 19:50	2.6	350	12	3.4	0
28/01/2023 20:00	2.8	352	11	3.5	0
28/01/2023 20:10	1.9	186	14	2.7	0
28/01/2023 20:20	2.3	181	14	2.8	0
28/01/2023 20:30	2.1	353	14	3	0
28/01/2023 20:40	1.9	346	15	2.9	0
28/01/2023 20:50	2	333	15	2.5	0
28/01/2023 21:00	1.9	331	8	2.4	0
28/01/2023 21:10	1.6	341	9	2.2	0
28/01/2023 21:20	1.3	174	11	2.1	0
28/01/2023 21:30	1.4	354	11	1.7	0
28/01/2023 21:40	0.9	190	12	1.2	0
28/01/2023 21:50	0.5	194	6	1.2	0
28/01/2023 22:00	1	323	13	1.6	0
28/01/2023 22:10	0.4	133	34	1.1	0
28/01/2023 22:20	1.4	97	35	2.2	0
28/01/2023 22:30	1.5	207	24	2	0
28/01/2023 22:40	1.2	192	9	1.4	0
28/01/2023 22:50	1.3	334	12	1.7	0
28/01/2023 23:00	1.6	320	9	2	0
28/01/2023 23:10	0.5	317	19	1.1	0
28/01/2023 23:20	1.3	296	24	2	0
28/01/2023 23:30	0.9	126	72	1.6	0
28/01/2023 23:40	1.2	282	20	1.7	0
28/01/2023 23:50	1.5	308	13	1.9	0
29/01/2023 00:00	1.4	316	24	2.2	0
29/01/2023 00:10	0.5	299	22	1.3	0
29/01/2023 00:20	1.2	336	16	1.8	0
29/01/2023 00:30	0.4	178	7	1	0
29/01/2023 00:40	1.2	334	10	1.7	0
29/01/2023 00:50	0.6	67	28	1	0
29/01/2023 01:00	0.9	334	16	1.9	0
29/01/2023 01:10	1.2	289	22	2.2	0
29/01/2023 01:20	1.6	248	29	2.7	0
29/01/2023 01:30	1.5	275	31	2.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/01/2023 01:40	1.2	242	38	2.2	0
29/01/2023 01:50	1.5	249	35	2.3	0
29/01/2023 02:00	1.3	212	54	2.4	0
29/01/2023 02:10	1.5	263	25	2.4	0
29/01/2023 02:20	1.4	236	28	2.5	0
29/01/2023 02:30	1.8	275	24	2.9	0
29/01/2023 02:40	1.2	262	36	2.2	0
29/01/2023 02:50	1	211	65	1.7	0
29/01/2023 03:00	1.6	194	21	2.2	0
29/01/2023 03:10	1.6	190	16	3.3	0
29/01/2023 03:20	1.8	210	25	2.9	0
29/01/2023 03:30	1.4	217	30	2.4	0
29/01/2023 03:40	1.2	268	28	2	0
29/01/2023 03:50	0.8	232	53	1.4	0
29/01/2023 04:00	1.2	233	47	2.2	0
29/01/2023 04:10	1.2	240	54	1.9	0
29/01/2023 04:20	0.9	186	55	1.8	0
29/01/2023 04:30	1.2	274	31	2.1	0
29/01/2023 04:40	1.2	248	25	1.6	0
29/01/2023 04:50	1.7	225	23	2.8	0
29/01/2023 05:00	2.2	203	19	3.2	0
29/01/2023 05:10	2	213	23	2.9	0
29/01/2023 05:20	2.2	209	19	3.2	0
29/01/2023 05:30	1.9	213	20	3	0
29/01/2023 05:40	2.1	208	17	3	0
29/01/2023 05:50	1.7	233	38	3.2	0
29/01/2023 06:00	1.2	199	76	2.2	0
29/01/2023 06:10	1	253	70	2	0
29/01/2023 06:20	0.9	325	47	1.6	0
29/01/2023 06:30	1.3	337	20	2	0
29/01/2023 06:40	0.7	17	17	1.1	0
29/01/2023 06:50	0.9	28	18	1.4	0
29/01/2023 07:00	1.4	19	14	1.8	0
29/01/2023 07:10	1.2	14	19	1.7	0
29/01/2023 07:20	1.2	17	14	1.8	0
29/01/2023 07:30	0.8	116	34	1.3	0
29/01/2023 07:40	1.4	157	35	2.6	0
29/01/2023 07:50	2.4	160	24	3.5	0
29/01/2023 08:00	2.5	188	15	3.7	0
29/01/2023 08:10	3.4	194	15	4.6	0
29/01/2023 08:20	3.6	187	15	5.1	0
29/01/2023 08:30	3.7	180	15	4.7	0
29/01/2023 08:40	2.7	185	19	4	0
29/01/2023 08:50	2.1	189	28	3.1	0
29/01/2023 09:00	1.9	216	34	3.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/01/2023 09:10	2.1	232	39	3.2	0
29/01/2023 09:20	1.7	293	65	2.9	0
29/01/2023 09:30	1.5	253	48	2.9	0
29/01/2023 09:40	1.7	262	52	3	0
29/01/2023 09:50	2	163	41	3.4	0
29/01/2023 10:00	2.2	161	28	3.3	0
29/01/2023 10:10	3.3	92	18	4.7	0
29/01/2023 10:20	3.1	62	17	4	0
29/01/2023 10:30	2.8	66	18	3.8	0
29/01/2023 10:40	2.7	79	15	4	0
29/01/2023 10:50	2.8	72	21	3.7	0
29/01/2023 11:00	2.6	59	27	3.8	0
29/01/2023 11:10	2.7	68	15	3.8	0
29/01/2023 11:20	3.1	65	15	4.4	0
29/01/2023 11:30	3.2	70	16	4.4	0
29/01/2023 11:40	3.3	55	16	4.4	0
29/01/2023 11:50	3.5	57	12	4.5	0
29/01/2023 12:00	3.9	62	12	4.9	0
29/01/2023 12:10	3.5	62	12	4.5	0
29/01/2023 12:20	3.2	62	14	4.3	0
29/01/2023 12:30	3.5	58	13	4.4	0
29/01/2023 12:40	3.5	61	11	4.8	0
29/01/2023 12:50	3.6	56	14	4.9	0
29/01/2023 13:00	3.6	52	14	4.6	0
29/01/2023 13:10	3.6	58	15	4.8	0
29/01/2023 13:20	3.9	51	13	4.8	0
29/01/2023 13:30	4.1	55	11	5.4	0
29/01/2023 13:40	3.8	51	14	5.6	0
29/01/2023 13:50	3.9	46	30	5.6	0
29/01/2023 14:00	3.2	12	27	4.9	0
29/01/2023 14:10	4	31	31	6.3	0
29/01/2023 14:20	3.6	12	27	6.1	0
29/01/2023 14:30	4.1	183	24	5.9	0
29/01/2023 14:40	4.3	352	22	6.5	0
29/01/2023 14:50	4	332	16	6.3	0
29/01/2023 15:00	4.4	337	14	6.6	0
29/01/2023 15:10	4.2	324	19	6.3	0
29/01/2023 15:20	4.3	332	16	6.1	0
29/01/2023 15:30	4.1	332	15	6.1	0
29/01/2023 15:40	4.2	339	14	6	0
29/01/2023 15:50	3.7	323	19	5.8	0
29/01/2023 16:00	3.9	333	20	6.4	0
29/01/2023 16:10	3.6	316	18	5.2	0
29/01/2023 16:20	3.2	322	22	5.2	0
29/01/2023 16:30	3.7	331	13	5.2	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/01/2023 16:40	3.2	321	13	4.8	0
29/01/2023 16:50	3	331	16	4.3	0
29/01/2023 17:00	3.3	324	17	5.1	0
29/01/2023 17:10	3.3	330	20	5.4	0
29/01/2023 17:20	3.1	319	26	4.5	0
29/01/2023 17:30	3.5	326	15	5.2	0
29/01/2023 17:40	3.2	334	18	4.8	0
29/01/2023 17:50	3.1	325	14	4.5	0
29/01/2023 18:00	3.2	323	18	4.5	0
29/01/2023 18:10	3.4	327	17	4.9	0
29/01/2023 18:20	3.4	339	11	4.4	0
29/01/2023 18:30	3	337	15	4.1	0
29/01/2023 18:40	3.7	3	13	5.2	0
29/01/2023 18:50	3.5	353	12	4.8	0
29/01/2023 19:00	3.4	342	12	4.6	0
29/01/2023 19:10	2.7	336	13	4	0
29/01/2023 19:20	3.1	341	10	4.1	0
29/01/2023 19:30	3	345	12	4.2	0
29/01/2023 19:40	3	343	10	4.1	0
29/01/2023 19:50	2.5	322	15	3.6	0
29/01/2023 20:00	1.9	316	21	3.2	0
29/01/2023 20:10	2.3	313	17	3.2	0
29/01/2023 20:20	2.6	324	17	3.6	0
29/01/2023 20:30	2.3	324	13	3.2	0
29/01/2023 20:40	2.5	333	11	3.3	0
29/01/2023 20:50	2.6	332	15	3.9	0
29/01/2023 21:00	2.8	315	15	3.9	0
29/01/2023 21:10	3	330	14	4.3	0
29/01/2023 21:20	3	334	12	4	0
29/01/2023 21:30	2.7	339	14	3.7	0
29/01/2023 21:40	2	331	13	2.9	0
29/01/2023 21:50	1.7	325	15	2.6	0
29/01/2023 22:00	1.6	326	19	2.4	0
29/01/2023 22:10	1.8	335	15	2.6	0
29/01/2023 22:20	2.1	334	11	2.9	0
29/01/2023 22:30	1.7	339	12	2.4	0
29/01/2023 22:40	1.9	340	13	2.6	0
29/01/2023 22:50	1.7	327	11	2.4	0
29/01/2023 23:00	2	327	10	2.9	0
29/01/2023 23:10	1.4	327	18	2	0
29/01/2023 23:20	1.7	332	10	2.2	0
29/01/2023 23:30	1.7	342	12	2.2	0
29/01/2023 23:40	1.3	321	15	2	0
29/01/2023 23:50	1.4	325	13	2	0
30/01/2023 00:00	1.2	307	16	1.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/01/2023 00:10	1.2	286	25	2	0
30/01/2023 00:20	1.3	282	24	1.9	0
30/01/2023 00:30	1.6	279	21	2.7	0
30/01/2023 00:40	1.6	276	20	2.7	0
30/01/2023 00:50	1.6	271	23	2.7	0
30/01/2023 01:00	2	262	20	3.2	0
30/01/2023 01:10	1.6	275	31	2.7	0
30/01/2023 01:20	2.1	278	23	3.6	0
30/01/2023 01:30	1.8	268	32	3.2	0
30/01/2023 01:40	1.6	254	31	2.6	0
30/01/2023 01:50	1.3	240	39	2.3	0
30/01/2023 02:00	1.5	258	42	2.8	0
30/01/2023 02:10	1.7	261	32	2.6	0
30/01/2023 02:20	1.4	267	43	2.4	0
30/01/2023 02:30	1.4	266	40	2.8	0
30/01/2023 02:40	1.7	259	24	2.8	0
30/01/2023 02:50	1.4	266	34	2.6	0
30/01/2023 03:00	1.7	277	19	2.7	0
30/01/2023 03:10	1.8	269	21	2.7	0
30/01/2023 03:20	1.4	255	32	2.1	0
30/01/2023 03:30	1.3	250	36	2.1	0
30/01/2023 03:40	1.6	249	38	2.8	0
30/01/2023 03:50	1.4	250	47	2.8	0
30/01/2023 04:00	1.1	158	54	2.1	0
30/01/2023 04:10	1.3	163	71	2.4	0
30/01/2023 04:20	1.4	250	58	2.6	0
30/01/2023 04:30	1.3	211	44	2.2	0
30/01/2023 04:40	1.2	221	50	2.5	0
30/01/2023 04:50	1.6	213	34	3.4	0
30/01/2023 05:00	1.7	228	38	2.9	0
30/01/2023 05:10	1.5	214	41	2.8	0
30/01/2023 05:20	1.5	208	32	2.6	0
30/01/2023 05:30	1.7	212	31	2.8	0
30/01/2023 05:40	2.3	197	15	3.6	0
30/01/2023 05:50	2.1	200	20	3.7	0
30/01/2023 06:00	2.4	204	19	4.1	0
30/01/2023 06:10	2.2	204	25	3.2	0
30/01/2023 06:20	2.4	208	23	4	0
30/01/2023 06:30	2.4	207	22	3.6	0
30/01/2023 06:40	1.9	208	36	3.6	0
30/01/2023 06:50	2.5	198	18	3.9	0
30/01/2023 07:00	2	194	31	3.2	0
30/01/2023 07:10	2.6	193	20	3.5	0
30/01/2023 07:20	3	194	14	4.1	0
30/01/2023 07:30	3	193	16	4.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/01/2023 07:40	3.1	199	15	4.2	0
30/01/2023 07:50	3.4	199	11	4.7	0
30/01/2023 08:00	3.2	187	19	4.8	0
30/01/2023 08:10	2.5	168	35	4.2	0
30/01/2023 08:20	2.6	149	24	3.6	0
30/01/2023 08:30	1.9	121	37	3.1	0
30/01/2023 08:40	2.2	134	21	3.5	0
30/01/2023 08:50	2.5	124	23	3.8	0
30/01/2023 09:00	2.6	105	18	3.8	0
30/01/2023 09:10	2.3	91	24	3.7	0
30/01/2023 09:20	2.5	60	15	3.6	0
30/01/2023 09:30	2.3	64	23	3	0
30/01/2023 09:40	2.4	55	16	3.3	0
30/01/2023 09:50	2.7	65	15	3.3	0
30/01/2023 10:00	2.7	55	19	3.8	0
30/01/2023 10:10	2.7	65	20	3.9	0
30/01/2023 10:20	2.4	57	17	3.3	0
30/01/2023 10:30	2.5	58	13	3.5	0
30/01/2023 10:40	2.6	58	17	3.7	0
30/01/2023 10:50	2.6	49	17	3.6	0
30/01/2023 11:00	2.8	59	20	3.8	0
30/01/2023 11:10	3	51	17	4	0
30/01/2023 11:20	3.3	52	16	4.3	0
30/01/2023 11:30	3.3	57	15	4.3	0
30/01/2023 11:40	3.3	62	11	4	0
30/01/2023 11:50	3.4	56	16	4.5	0
30/01/2023 12:00	3.6	55	14	4.4	0
30/01/2023 12:10	3.8	55	14	4.9	0
30/01/2023 12:20	3.8	49	14	4.8	0
30/01/2023 12:30	3.3	56	14	4.2	0
30/01/2023 12:40	3.3	63	14	4.1	0
30/01/2023 12:50	3.6	58	13	4.6	0
30/01/2023 13:00	4	43	15	5.9	0
30/01/2023 13:10	3.8	177	21	6.1	0
30/01/2023 13:20	3.9	326	25	6.4	0
30/01/2023 13:30	4.9	342	18	7.1	0
30/01/2023 13:40	4.7	350	15	6.1	0
30/01/2023 13:50	5	351	13	6.9	0
30/01/2023 14:00	4.9	351	14	6.8	0
30/01/2023 14:10	4.8	351	17	6	0
30/01/2023 14:20	4.9	352	14	6.4	0
30/01/2023 14:30	4.7	340	15	6.1	0
30/01/2023 14:40	4.5	328	21	6.8	0
30/01/2023 14:50	4.2	320	16	6.8	0
30/01/2023 15:00	4.7	327	18	6.5	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/01/2023 15:10	4.8	328	17	6.5	0
30/01/2023 15:20	4.5	327	17	6.4	0
30/01/2023 15:30	4.6	329	15	6.3	0
30/01/2023 15:40	5	327	16	7.6	0
30/01/2023 15:50	4.3	319	18	6.2	0
30/01/2023 16:00	4.6	323	17	6.5	0
30/01/2023 16:10	4.6	320	20	6.4	0
30/01/2023 16:20	4.1	319	17	5.9	0
30/01/2023 16:30	4.4	323	16	6.4	0
30/01/2023 16:40	4.6	322	16	6.8	0
30/01/2023 16:50	4.2	318	20	6.8	0
30/01/2023 17:00	3.8	293	21	6.1	0
30/01/2023 17:10	3.8	280	20	5.9	0
30/01/2023 17:20	3.6	279	22	6	0
30/01/2023 17:30	3.1	262	24	4.7	0
30/01/2023 17:40	3.7	215	25	6.9	0
30/01/2023 17:50	2.9	231	35	5	0
30/01/2023 18:00	3.6	204	16	5.2	0
30/01/2023 18:10	3.6	199	14	5.7	0
30/01/2023 18:20	2.8	203	24	4.5	0
30/01/2023 18:30	1.7	270	26	3.1	0
30/01/2023 18:40	2	266	31	3.4	0
30/01/2023 18:50	1.8	239	40	3.2	0
30/01/2023 19:00	1.9	264	27	3.4	0
30/01/2023 19:10	2.2	274	17	3.6	0
30/01/2023 19:20	2.3	272	20	3.6	0
30/01/2023 19:30	2.3	283	20	3.7	0
30/01/2023 19:40	2.1	287	22	3.4	0
30/01/2023 19:50	2.5	271	20	3.7	0
30/01/2023 20:00	2.2	268	20	3.5	0
30/01/2023 20:10	2.2	266	18	3.1	0
30/01/2023 20:20	1.9	272	23	2.6	0
30/01/2023 20:30	2.2	278	19	3.2	0
30/01/2023 20:40	1.9	262	17	2.6	0
30/01/2023 20:50	1.8	241	40	2.8	0
30/01/2023 21:00	1.9	227	30	3	0
30/01/2023 21:10	2.3	202	17	3.4	0
30/01/2023 21:20	1.9	211	31	3.4	0
30/01/2023 21:30	1.8	220	35	2.8	0
30/01/2023 21:40	1.6	209	28	2.7	0
30/01/2023 21:50	1.8	205	28	2.8	0
30/01/2023 22:00	1.6	202	18	2.4	0
30/01/2023 22:10	1.2	254	45	2.2	0
30/01/2023 22:20	1.4	311	15	2	0
30/01/2023 22:30	1.6	307	15	2.4	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/01/2023 22:40	1.2	332	20	1.7	0
30/01/2023 22:50	1.1	344	16	1.6	0
30/01/2023 23:00	0.8	340	22	1.2	0
30/01/2023 23:10	0.3	173	9	1	0
30/01/2023 23:20	0.3	36	8	0.7	0
30/01/2023 23:30	1.1	332	11	1.5	0
30/01/2023 23:40	1.2	310	17	1.6	0
30/01/2023 23:50	0.5	327	23	1	0
31/01/2023 00:00	1.2	34	15	1.9	0
31/01/2023 00:10	1.7	38	15	2.5	0
31/01/2023 00:20	1.5	1	25	2.1	0
31/01/2023 00:30	0.8	165	26	1.5	0
31/01/2023 00:40	1.5	286	20	2.3	0
31/01/2023 00:50	1.6	252	34	2.7	0
31/01/2023 01:00	1.7	272	17	2.7	0
31/01/2023 01:10	1.7	284	19	2.5	0
31/01/2023 01:20	1.5	281	21	2.2	0
31/01/2023 01:30	1.5	280	23	2.4	0
31/01/2023 01:40	1.1	287	32	1.6	0
31/01/2023 01:50	0.8	240	49	1.6	0
31/01/2023 02:00	0.9	288	39	1.5	0
31/01/2023 02:10	1.3	304	15	1.9	0
31/01/2023 02:20	1.1	329	10	1.6	0
31/01/2023 02:30	0.8	309	13	1.1	0
31/01/2023 02:40	1.1	317	10	1.6	0
31/01/2023 02:50	0.7	342	10	1.1	0
31/01/2023 03:00	0.8	350	10	1.1	0
31/01/2023 03:10	0.9	323	6	1.2	0
31/01/2023 03:20	0.1	343	3	0.4	0
31/01/2023 03:30	0.8	325	7	1.1	0
31/01/2023 03:40	1.2	331	3	1.5	0
31/01/2023 03:50	1	329	12	1.2	0
31/01/2023 04:00	0.8	298	12	1.2	0
31/01/2023 04:10	1.1	302	13	1.6	0
31/01/2023 04:20	0.5	334	16	1	0
31/01/2023 04:30	0.4	296	13	0.8	0
31/01/2023 04:40	0.8	302	17	1	0
31/01/2023 04:50	0.3	318	13	0.7	0
31/01/2023 05:00	0.9	318	9	1.4	0
31/01/2023 05:10	0.7	309	12	1	0
31/01/2023 05:20	0.8	351	9	1.2	0
31/01/2023 05:30	1	348	4	1.2	0
31/01/2023 05:40	0.5	340	0	0.9	0
31/01/2023 05:50	0.6	130	40	1.2	0
31/01/2023 06:00	1	164	25	2.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/01/2023 06:10	1	129	21	1.6	0
31/01/2023 06:20	1.6	90	19	2.6	0
31/01/2023 06:30	2.5	82	15	3.6	0
31/01/2023 06:40	2.8	112	21	4.5	0
31/01/2023 06:50	2.6	92	19	3.8	0
31/01/2023 07:00	2.4	100	21	3.3	0
31/01/2023 07:10	2.5	110	20	4	0
31/01/2023 07:20	2.7	108	20	4.2	0
31/01/2023 07:30	3	88	16	4.3	0
31/01/2023 07:40	3.3	85	13	4.8	0
31/01/2023 07:50	3.1	87	13	4.2	0
31/01/2023 08:00	2.8	93	18	4	0
31/01/2023 08:10	3.5	81	13	4.6	0
31/01/2023 08:20	3.5	82	14	4.8	0
31/01/2023 08:30	3.3	78	15	4.6	0
31/01/2023 08:40	3.6	74	15	4.9	0
31/01/2023 08:50	3.4	68	15	4.9	0
31/01/2023 09:00	3.5	66	17	5.1	0
31/01/2023 09:10	3.6	62	17	5.1	0
31/01/2023 09:20	4.4	57	10	5.7	0
31/01/2023 09:30	4.2	57	11	5.6	0
31/01/2023 09:40	4.1	51	12	5.5	0
31/01/2023 09:50	4	53	13	5.3	0
31/01/2023 10:00	4.2	50	13	5.6	0
31/01/2023 10:10	4	57	12	5.2	0
31/01/2023 10:20	3.8	58	13	5.1	0
31/01/2023 10:30	3.7	61	12	5	0
31/01/2023 10:40	3.5	51	17	4.7	0
31/01/2023 10:50	3.7	49	14	4.9	0
31/01/2023 11:00	4	47	14	5.2	0
31/01/2023 11:10	4	42	13	5.3	0
31/01/2023 11:20	4.1	48	13	5.4	0
31/01/2023 11:30	3.9	49	13	5.4	0
31/01/2023 11:40	4.6	51	12	5.7	0
31/01/2023 11:50	4.3	51	13	5.5	0
31/01/2023 12:00	4.2	53	14	5.5	0
31/01/2023 12:10	4.3	55	14	5.6	0
31/01/2023 12:20	4.5	53	12	5.6	0
31/01/2023 12:30	4.3	54	13	5.6	0
31/01/2023 12:40	4.6	51	15	6	0
31/01/2023 12:50	5.3	45	9	6.8	0
31/01/2023 13:00	5.3	47	14	7	0
31/01/2023 13:10	5.6	44	11	7.1	0
31/01/2023 13:20	5.7	46	10	7.5	0
31/01/2023 13:30	5.3	46	13	7.2	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/01/2023 13:40	5.7	45	11	7.3	0
31/01/2023 13:50	5.1	50	12	6.8	0
31/01/2023 14:00	5	47	12	7	0
31/01/2023 14:10	4.9	50	12	6.6	0
31/01/2023 14:20	4.9	50	11	6.3	0
31/01/2023 14:30	4.3	41	16	5.9	0
31/01/2023 14:40	4.2	34	17	5.9	0
31/01/2023 14:50	4.6	353	17	5.9	0
31/01/2023 15:00	5.1	333	16	7.2	0
31/01/2023 15:10	5.5	332	13	7.5	0
31/01/2023 15:20	5.2	348	14	7	0
31/01/2023 15:30	5.4	337	13	7.4	0
31/01/2023 15:40	5.1	343	14	7	0
31/01/2023 15:50	5.7	343	12	7.2	0
31/01/2023 16:00	5.3	346	12	7.2	0
31/01/2023 16:10	5.4	332	13	7.1	0
31/01/2023 16:20	5	330	16	6.7	0
31/01/2023 16:30	5.2	351	12	6.9	0
31/01/2023 16:40	5.5	353	11	7.2	0
31/01/2023 16:50	5.6	341	11	7.3	0
31/01/2023 17:00	5.7	344	14	7.5	0
31/01/2023 17:10	5.9	340	12	7.6	0
31/01/2023 17:20	5.9	348	11	7.3	0
31/01/2023 17:30	4.7	330	15	6.7	0
31/01/2023 17:40	4.6	331	14	6.4	0
31/01/2023 17:50	3.9	328	16	5.6	0
31/01/2023 18:00	3.4	302	26	5.2	0
31/01/2023 18:10	3.6	299	19	6	0
31/01/2023 18:20	3.8	318	17	6	0
31/01/2023 18:30	3.7	309	20	5.4	0
31/01/2023 18:40	3.2	278	22	4.8	0
31/01/2023 18:50	3.6	276	21	6	0
31/01/2023 19:00	3.5	266	21	5	0
31/01/2023 19:10	2.9	215	37	4.8	0
31/01/2023 19:20	3.6	210	41	7.2	0
31/01/2023 19:30	4.3	208	28	9.4	0
31/01/2023 19:40	6.3	193	18	10.2	0
31/01/2023 19:50	5.4	194	18	8.7	0
31/01/2023 20:00	5.6	192	22	9.9	0
31/01/2023 20:10	4.7	191	19	7.9	0
31/01/2023 20:20	4.7	193	21	8.1	0
31/01/2023 20:30	4.9	190	21	7.5	0
31/01/2023 20:40	4.1	185	21	6.4	0
31/01/2023 20:50	3.9	197	15	6	0
31/01/2023 21:00	4.2	193	18	6.1	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/01/2023 21:10	2.9	186	35	5.6	0
31/01/2023 21:20	2.3	192	29	4.1	0
31/01/2023 21:30	2.9	194	17	4.5	0
31/01/2023 21:40	3.3	194	16	5	0
31/01/2023 21:50	3.2	189	15	5.1	0
31/01/2023 22:00	4.8	198	11	6.3	0
31/01/2023 22:10	4.7	191	11	6.1	0
31/01/2023 22:20	4.8	188	11	6.5	0
31/01/2023 22:30	4.5	186	13	7	0
31/01/2023 22:40	4.5	191	11	5.7	0
31/01/2023 22:50	5	191	11	6.8	0
31/01/2023 23:00	5.1	188	12	7	0
31/01/2023 23:10	5.2	189	11	7	0
31/01/2023 23:20	5	192	11	6.4	0
31/01/2023 23:30	4.6	183	13	6.4	0
31/01/2023 23:40	4.7	181	13	6.8	0
31/01/2023 23:50	5.3	187	14	7.1	0
02/01/2023 00:00	4.8	181	14	7	0
02/01/2023 00:10	4.3	173	14	6	0
02/01/2023 00:20	4	171	16	5.8	0
02/01/2023 00:30	4	174	15	5.6	0
02/01/2023 00:40	2.9	167	20	5	0
02/01/2023 00:50	2.7	166	16	4.2	0
02/01/2023 01:00	3.3	172	15	4.6	0
02/01/2023 01:10	3.5	177	17	4.9	0
02/01/2023 01:20	2.2	243	39	3.8	0
02/01/2023 01:30	2.1	278	25	3	0
02/01/2023 01:40	1.4	272	24	2.1	0
02/01/2023 01:50	1.7	284	19	2.4	0
02/01/2023 02:00	1.2	290	15	1.7	0
02/01/2023 02:10	1.3	243	32	1.9	0
02/01/2023 02:20	1.4	298	21	1.9	0
02/01/2023 02:30	1	291	23	2	0
02/01/2023 02:40	0.5	314	26	1	0
02/01/2023 02:50	1.2	292	19	1.7	0
02/01/2023 03:00	1.2	235	41	2	0
02/01/2023 03:10	1.7	209	28	2.9	0
02/01/2023 03:20	1.7	200	24	2.5	0
02/01/2023 03:30	1.8	193	12	2.7	0
02/01/2023 03:40	0.8	211	32	1.5	0
02/01/2023 03:50	0.9	205	39	1.6	0
02/01/2023 04:00	0.8	186	25	1.6	0
02/01/2023 04:10	0.9	192	37	1.5	0
02/01/2023 04:20	1.1	193	30	2	0
02/01/2023 04:30	0.8	162	54	1.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/01/2023 04:40	0.7	192	46	1.4	0
02/01/2023 04:50	0.8	186	50	1.6	0
02/01/2023 05:00	1.1	178	22	2.2	0
02/01/2023 05:10	1.5	203	25	2.4	0
02/01/2023 05:20	1.1	240	48	1.9	0
02/01/2023 05:30	1.2	243	38	2.4	0
02/01/2023 05:40	0.9	205	57	1.6	0
02/01/2023 05:50	0.4	185	60	1.2	0
02/01/2023 06:00	1.1	241	51	2	0
02/01/2023 06:10	1.3	260	37	2.2	0
02/01/2023 06:20	1.4	254	37	2.4	0
02/01/2023 06:30	1.1	198	54	2	0
02/01/2023 06:40	1.7	187	16	2.6	0
02/01/2023 06:50	1.9	190	11	2.8	0
02/01/2023 07:00	1.4	184	15	2	0
02/01/2023 07:10	1.4	193	18	2.3	0
02/01/2023 07:20	1.2	157	23	1.8	0
02/01/2023 07:30	1.5	162	21	2.3	0
02/01/2023 07:40	2	182	26	2.9	0
02/01/2023 07:50	2.1	196	17	2.9	0
02/01/2023 08:00	1.9	171	20	2.8	0
02/01/2023 08:10	2.1	175	22	2.9	0
02/01/2023 08:20	1.9	170	17	2.8	0
02/01/2023 08:30	2	163	16	2.5	0
02/01/2023 08:40	1.8	153	19	3	0
02/01/2023 08:50	1.7	179	23	2.7	0
02/01/2023 09:00	1.6	190	35	2.6	0
02/01/2023 09:10	1.6	175	34	2.8	0
02/01/2023 09:20	1.5	161	35	2.5	0
02/01/2023 09:30	1.2	232	40	2.5	0
02/01/2023 09:40	2	310	57	3.6	0
02/01/2023 09:50	3.4	31	16	4.8	0
02/01/2023 10:00	2.6	52	20	3.6	0
02/01/2023 10:10	2.5	66	18	3.5	0
02/01/2023 10:20	3.2	49	12	4	0
02/01/2023 10:30	3.1	61	15	3.8	0
02/01/2023 10:40	3.1	60	10	4	0
02/01/2023 10:50	3	59	14	3.9	0
02/01/2023 11:00	3.1	57	12	3.9	0
02/01/2023 11:10	2.6	65	18	3.7	0
02/01/2023 11:20	3	55	10	3.6	0
02/01/2023 11:30	3.4	66	7	3.9	0
02/01/2023 11:40	3.6	62	9	4.3	0
02/01/2023 11:50	3.5	53	9	4.4	0
02/01/2023 12:00	3.2	61	10	4.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/01/2023 12:10	3.1	187	26	5.2	0
02/01/2023 12:20	3	325	25	5.2	0
02/01/2023 12:30	3.5	340	29	6	0
02/01/2023 12:40	3.1	320	27	4.8	0
02/01/2023 12:50	3	314	23	5.2	0
02/01/2023 13:00	3.5	331	25	6.3	0
02/01/2023 13:10	3.1	318	24	5	0
02/01/2023 13:20	3.8	318	20	5.6	0
02/01/2023 13:30	4.3	326	15	5.7	0
02/01/2023 13:40	4.4	330	13	6.4	0
02/01/2023 13:50	4.5	331	14	6.4	0
02/01/2023 14:00	4.3	324	15	6.6	0
02/01/2023 14:10	4.5	321	15	6.5	0
02/01/2023 14:20	4.3	332	17	6.2	0
02/01/2023 14:30	4.5	328	15	6.6	0
02/01/2023 14:40	4	316	27	6.6	0
02/01/2023 14:50	4.2	302	20	6.4	0
02/01/2023 15:00	4.4	308	22	5.9	0
02/01/2023 15:10	4.2	311	22	6.2	0
02/01/2023 15:20	4.6	331	16	6.2	0
02/01/2023 15:30	4.3	325	21	6.8	0
02/01/2023 15:40	3.7	299	25	5.7	0
02/01/2023 15:50	4	295	20	6.2	0
02/01/2023 16:00	4.1	294	22	6.4	0
02/01/2023 16:10	3.8	316	23	5.7	0
02/01/2023 16:20	3.9	305	19	6	0
02/01/2023 16:30	3.6	286	19	5.5	0
02/01/2023 16:40	3.6	288	20	5.2	0
02/01/2023 16:50	3.5	300	23	5.8	0
02/01/2023 17:00	3.6	278	21	5.3	0
02/01/2023 17:10	3.1	294	26	4.8	0
02/01/2023 17:20	3.3	309	22	5.1	0
02/01/2023 17:30	3.5	315	23	6.3	0
02/01/2023 17:40	3.2	314	22	5.1	0
02/01/2023 17:50	3.5	303	22	5.6	0
02/01/2023 18:00	3.4	282	23	5.7	0
02/01/2023 18:10	3.7	284	21	5.6	0
02/01/2023 18:20	3.5	286	23	5.6	0
02/01/2023 18:30	3.6	274	21	5.4	0
02/01/2023 18:40	3.5	279	19	5.1	0
02/01/2023 18:50	3.4	286	21	5.4	0
02/01/2023 19:00	3.4	287	22	5.2	0
02/01/2023 19:10	2.7	291	21	4.1	0
02/01/2023 19:20	3.4	298	21	5.7	0
02/01/2023 19:30	3.1	279	21	5.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/01/2023 19:40	3.6	298	19	5.6	0
02/01/2023 19:50	3.1	294	24	5.5	0
02/01/2023 20:00	3.4	292	21	5.6	0
02/01/2023 20:10	3.5	287	26	6	0
02/01/2023 20:20	3.3	287	25	4.8	0
02/01/2023 20:30	3.2	289	20	4.8	0
02/01/2023 20:40	3.1	282	22	5.1	0
02/01/2023 20:50	2.9	284	26	4.9	0
02/01/2023 21:00	3.1	284	22	4.7	0
02/01/2023 21:10	2.9	289	25	4.8	0
02/01/2023 21:20	2.8	284	21	4.7	0
02/01/2023 21:30	3.1	294	26	5	0
02/01/2023 21:40	3	283	24	5.1	0
02/01/2023 21:50	2.9	284	22	5.1	0
02/01/2023 22:00	2.9	280	22	4.4	0
02/01/2023 22:10	3.1	282	21	4.9	0
02/01/2023 22:20	2.5	278	30	4.3	0
02/01/2023 22:30	3	276	24	5.2	0
02/01/2023 22:40	2.6	280	24	4.2	0
02/01/2023 22:50	3.1	279	24	5.2	0
02/01/2023 23:00	3.1	279	25	4.6	0
02/01/2023 23:10	2.6	279	22	4.4	0
02/01/2023 23:20	3	270	24	4.7	0
02/01/2023 23:30	2.6	273	32	4	0
02/01/2023 23:40	2.6	279	22	4	0
02/01/2023 23:50	2.5	272	30	4.2	0
02/02/2023 00:00	2.5	269	27	3.8	0
02/02/2023 00:10	2.8	268	21	4	0
02/02/2023 00:20	2.2	272	29	3.6	0
02/02/2023 00:30	2.4	270	21	3.8	0
02/02/2023 00:40	1.7	267	41	3	0
02/02/2023 00:50	2.3	274	30	3.8	0
02/02/2023 01:00	2.2	266	31	3.7	0
02/02/2023 01:10	2	263	32	3.6	0
02/02/2023 01:20	1.6	256	40	2.8	0
02/02/2023 01:30	2.3	270	35	3.6	0
02/02/2023 01:40	2.1	263	38	3.8	0
02/02/2023 01:50	2	274	49	3.9	0
02/02/2023 02:00	1.8	272	58	3.3	0
02/02/2023 02:10	1.4	238	69	2.8	0
02/02/2023 02:20	1.5	257	42	2.7	0
02/02/2023 02:30	1.7	262	45	3.5	0
02/02/2023 02:40	1.7	258	59	3.1	0
02/02/2023 02:50	1.5	252	39	2.9	0
02/02/2023 03:00	1.4	203	43	2.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/02/2023 03:10	1.5	219	47	3.8	0
02/02/2023 03:20	1.4	229	57	2.4	0
02/02/2023 03:30	1.4	268	46	3	0
02/02/2023 03:40	1.6	265	40	2.8	0
02/02/2023 03:50	1.2	293	62	2.3	0
02/02/2023 04:00	1.3	232	39	2.5	0
02/02/2023 04:10	1.7	194	21	2.6	0
02/02/2023 04:20	1.6	191	16	2.4	0
02/02/2023 04:30	2	192	14	2.9	0
02/02/2023 04:40	1.6	195	20	2.6	0
02/02/2023 04:50	1.1	236	38	1.8	0
02/02/2023 05:00	1.4	221	49	2.6	0
02/02/2023 05:10	1.5	247	43	2.4	0
02/02/2023 05:20	1.6	276	25	2.7	0
02/02/2023 05:30	1.8	279	21	2.8	0
02/02/2023 05:40	1.4	283	25	2.2	0
02/02/2023 05:50	1.7	279	18	2.4	0
02/02/2023 06:00	1.8	283	16	2.9	0
02/02/2023 06:10	1.8	268	24	2.9	0
02/02/2023 06:20	2	274	26	3.3	0
02/02/2023 06:30	2.1	271	23	3.2	0
02/02/2023 06:40	2	262	22	3.1	0
02/02/2023 06:50	1.9	263	25	3.1	0
02/02/2023 07:00	2	262	30	3.1	0
02/02/2023 07:10	2.1	272	23	3.4	0
02/02/2023 07:20	2.2	272	21	3.6	0
02/02/2023 07:30	2.2	279	20	3.4	0
02/02/2023 07:40	2.3	277	23	3.6	0
02/02/2023 07:50	2.2	273	24	3.2	0
02/02/2023 08:00	2.4	282	20	3.6	0
02/02/2023 08:10	2.3	295	25	4	0
02/02/2023 08:20	2.5	286	31	3.8	0
02/02/2023 08:30	2.5	291	32	3.6	0
02/02/2023 08:40	2.3	294	23	3.8	0
02/02/2023 08:50	2.7	289	28	4.2	0
02/02/2023 09:00	2.7	298	22	4.3	0
02/02/2023 09:10	3.2	317	21	4.6	0
02/02/2023 09:20	3.7	326	16	5.3	0
02/02/2023 09:30	3.8	333	18	5.9	0
02/02/2023 09:40	3.9	332	16	5.2	0
02/02/2023 09:50	3.9	331	15	6	0
02/02/2023 10:00	3.9	331	18	5.6	0
02/02/2023 10:10	4.2	336	20	6.4	0
02/02/2023 10:20	4	339	15	6.2	0
02/02/2023 10:30	3.5	329	21	5.7	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/02/2023 10:40	4.2	334	22	6	0
02/02/2023 10:50	4.2	346	18	5.7	0
02/02/2023 11:00	4.4	332	19	6.5	0
02/02/2023 11:10	4.4	343	20	6.5	0
02/02/2023 11:20	5	353	14	7.2	0
02/02/2023 11:30	5.1	349	16	7.1	0
02/02/2023 11:40	5.3	343	11	6.9	0
02/02/2023 11:50	5.3	353	15	7	0
02/02/2023 12:00	5.8	345	11	7.7	0
02/02/2023 12:10	5.8	349	12	7.5	0
02/02/2023 12:20	6	350	14	8.1	0
02/02/2023 12:30	6	352	12	7.8	0
02/02/2023 12:40	5.9	349	13	7.5	0
02/02/2023 12:50	5.9	345	15	7.9	0
02/02/2023 13:00	5.2	332	17	7.7	0
02/02/2023 13:10	4.4	319	22	6.6	0
02/02/2023 13:20	4.2	325	19	5.7	0
02/02/2023 13:30	4.8	324	16	6.8	0
02/02/2023 13:40	4.8	323	18	6.8	0
02/02/2023 13:50	4.4	318	20	6.8	0
02/02/2023 14:00	4.4	315	22	7.7	0
02/02/2023 14:10	4.6	320	20	7.2	0
02/02/2023 14:20	4.4	321	20	6.5	0
02/02/2023 14:30	5.5	321	17	8	0
02/02/2023 14:40	5.4	320	17	7.5	0
02/02/2023 14:50	4.8	314	18	6.9	0
02/02/2023 15:00	4.3	319	19	6.4	0
02/02/2023 15:10	5.2	321	18	7.2	0
02/02/2023 15:20	4.8	321	15	7.4	0
02/02/2023 15:30	5.2	323	16	7.4	0
02/02/2023 15:40	4.8	318	18	7.3	0
02/02/2023 15:50	5.1	319	20	7.6	0
02/02/2023 16:00	4.7	308	21	6.6	0
02/02/2023 16:10	4.8	321	17	6.7	0
02/02/2023 16:20	4.9	316	16	7.3	0
02/02/2023 16:30	4.5	317	18	6.2	0
02/02/2023 16:40	5.5	327	13	7.3	0
02/02/2023 16:50	5.1	322	15	7.5	0
02/02/2023 17:00	4.7	320	19	7.3	0
02/02/2023 17:10	5	320	16	7.9	0
02/02/2023 17:20	5.9	325	15	8.7	0
02/02/2023 17:30	5.5	326	13	8	0
02/02/2023 17:40	4.7	319	18	6.9	0
02/02/2023 17:50	3.8	292	22	6	0
02/02/2023 18:00	3.2	270	27	5.1	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/02/2023 18:10	3.3	271	21	4.9	0
02/02/2023 18:20	3.2	276	24	5.2	0
02/02/2023 18:30	2.8	277	20	4.4	0
02/02/2023 18:40	2.8	284	21	4.6	0
02/02/2023 18:50	2.8	250	33	4.4	0
02/02/2023 19:00	1.7	233	42	3.2	0
02/02/2023 19:10	2.1	255	36	3.6	0
02/02/2023 19:20	2.2	200	20	3.8	0
02/02/2023 19:30	3.8	206	17	5.3	0
02/02/2023 19:40	3	218	25	4.2	0
02/02/2023 19:50	2.4	265	29	3.4	0
02/02/2023 20:00	1.9	206	29	3.2	0
02/02/2023 20:10	2.7	203	15	4	0
02/02/2023 20:20	2.5	205	14	3.7	0
02/02/2023 20:30	2.6	197	16	3.8	0
02/02/2023 20:40	1	174	30	2	0
02/02/2023 20:50	1.3	32	13	1.6	0
02/02/2023 21:00	1.2	337	11	1.5	0
02/02/2023 21:10	1.3	305	13	2	0
02/02/2023 21:20	1	284	23	1.6	0
02/02/2023 21:30	1.6	268	16	2.2	0
02/02/2023 21:40	2.1	207	24	3.3	0
02/02/2023 21:50	1.6	216	25	2.5	0
02/02/2023 22:00	1.4	254	28	2.3	0
02/02/2023 22:10	1.4	286	20	1.9	0
02/02/2023 22:20	1	280	18	1.5	0
02/02/2023 22:30	1.5	102	40	2.8	0
02/02/2023 22:40	2.1	114	23	3.8	0
02/02/2023 22:50	2.2	110	19	4	0
02/02/2023 23:00	3.4	113	22	6.9	0
02/02/2023 23:10	4.1	137	37	8.9	0
02/02/2023 23:20	3.7	136	33	7.1	0
02/02/2023 23:30	3.2	117	27	6	0
02/02/2023 23:40	3.4	116	24	5.5	0
02/02/2023 23:50	3.8	88	20	5.8	0
02/03/2023 00:00	4.4	81	13	6	0
02/03/2023 00:10	4.5	80	16	6.4	0
02/03/2023 00:20	4.7	81	15	6.4	0
02/03/2023 00:30	5.2	75	14	7.6	0
02/03/2023 00:40	6.5	62	13	9	0
02/03/2023 00:50	7	58	10	8.9	0
02/03/2023 01:00	6.5	61	13	9.8	0
02/03/2023 01:10	6.9	59	11	8.9	0
02/03/2023 01:20	6.3	56	11	8.3	0
02/03/2023 01:30	6	57	12	8.6	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/03/2023 01:40	5.4	51	13	7.3	0
02/03/2023 01:50	4.7	54	13	6.6	0
02/03/2023 02:00	4.3	48	13	5.9	0
02/03/2023 02:10	4.3	37	13	6	0
02/03/2023 02:20	4.3	30	13	5.7	0
02/03/2023 02:30	4.8	29	14	6.8	0
02/03/2023 02:40	4.5	25	13	6.1	0
02/03/2023 02:50	4.2	32	13	5.6	0
02/03/2023 03:00	4	28	12	5.7	0
02/03/2023 03:10	4.2	29	13	6.2	0
02/03/2023 03:20	4.2	34	14	6.3	0
02/03/2023 03:30	4.2	26	12	5.7	0
02/03/2023 03:40	3.8	32	13	5.2	0
02/03/2023 03:50	3.4	21	13	4.7	0
02/03/2023 04:00	3.3	15	13	4.5	0
02/03/2023 04:10	3	21	13	4.3	0
02/03/2023 04:20	2.8	17	12	4	0
02/03/2023 04:30	1.7	182	14	2.1	0
02/03/2023 04:40	2.3	173	12	3.1	0
02/03/2023 04:50	1.3	165	17	2	0
02/03/2023 05:00	1.1	189	17	1.5	0
02/03/2023 05:10	0.5	34	7	0.9	0
02/03/2023 05:20	0.1	48	8	0.8	0
02/03/2023 05:30	0.6	139	25	1.1	0
02/03/2023 05:40	0.8	117	18	1.2	0
02/03/2023 05:50	0.3	27	6	0.8	0
02/03/2023 06:00					0
02/03/2023 06:10	0.4	58	6	1.1	0
02/03/2023 06:20	2	66	13	2.9	0
02/03/2023 06:30	2.5	66	14	3.7	0
02/03/2023 06:40	2.5	65	13	3.6	0
02/03/2023 06:50	2.2	50	17	3	0
02/03/2023 07:00	2.1	51	13	2.9	0
02/03/2023 07:10	2.2	49	12	3.1	0
02/03/2023 07:20	2.3	53	13	3.2	0
02/03/2023 07:30	1.8	47	14	2.6	0
02/03/2023 07:40	2.2	39	15	3.1	0
02/03/2023 07:50	2.6	43	11	3.6	0
02/03/2023 08:00	3	38	13	4.1	0
02/03/2023 08:10	3.3	50	12	4.3	0
02/03/2023 08:20	3.5	49	16	5.2	0
02/03/2023 08:30	4.3	78	15	5.9	0
02/03/2023 08:40	3.9	85	14	5.8	0
02/03/2023 08:50	3.7	83	16	5.5	0
02/03/2023 09:00	3.3	86	16	4.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/03/2023 09:10	3.1	83	16	4.3	0
02/03/2023 09:20	3.5	58	19	4.8	0
02/03/2023 09:30	3.6	55	12	5.1	0
02/03/2023 09:40	3.4	63	14	4.6	0
02/03/2023 09:50	2.9	54	18	4.2	0
02/03/2023 10:00	3.5	56	14	5.2	0
02/03/2023 10:10	3	64	18	4	0
02/03/2023 10:20	3.3	58	16	4.9	0
02/03/2023 10:30	4	45	14	5.2	0
02/03/2023 10:40	4	56	11	5.3	0
02/03/2023 10:50	3.7	57	12	5.3	0
02/03/2023 11:00	3.9	54	15	5.1	0
02/03/2023 11:10	3.8	57	15	5	0
02/03/2023 11:20	4	62	14	5.2	0
02/03/2023 11:30	4	60	12	5.4	0
02/03/2023 11:40	4.5	55	10	5.6	0
02/03/2023 11:50	4.4	58	12	5.9	0
02/03/2023 12:00	4.4	47	15	6	0
02/03/2023 12:10	4.3	48	14	6.2	0
02/03/2023 12:20	4.5	56	14	6	0
02/03/2023 12:30	4.6	50	12	5.8	0
02/03/2023 12:40	4.3	53	16	6	0
02/03/2023 12:50	4.4	46	17	5.8	0
02/03/2023 13:00	4.4	45	14	6	0
02/03/2023 13:10	4.6	48	13	6.4	0
02/03/2023 13:20	4.7	45	13	6.8	0
02/03/2023 13:30	4.9	44	13	6.6	0
02/03/2023 13:40	5	43	13	6.6	0
02/03/2023 13:50	5.2	41	13	7	0
02/03/2023 14:00	4.8	41	14	6.7	0
02/03/2023 14:10	5.3	42	13	6.9	0
02/03/2023 14:20	4.9	43	14	6.8	0
02/03/2023 14:30	4.6	46	11	6.2	0
02/03/2023 14:40	4.8	51	10	6.4	0
02/03/2023 14:50	5.2	49	9	6.7	0
02/03/2023 15:00	4.6	46	14	6.1	0
02/03/2023 15:10	4.6	47	12	6.1	0
02/03/2023 15:20	4.4	47	11	5.9	0
02/03/2023 15:30	5.9	176	19	7.9	0
02/03/2023 15:40	6.1	339	14	8.1	0
02/03/2023 15:50	5.5	344	14	8	0
02/03/2023 16:00	5.9	346	13	7.6	0
02/03/2023 16:10	6.4	346	15	7.9	0
02/03/2023 16:20	5.7	348	11	7.5	0
02/03/2023 16:30	6.1	345	9	7.7	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/03/2023 16:40	5.6	351	12	7.5	0
02/03/2023 16:50	5.5	351	17	7.2	0
02/03/2023 17:00	5.8	347	10	7	0
02/03/2023 17:10	5.6	343	13	7.7	0
02/03/2023 17:20	5.6	339	10	7.2	0
02/03/2023 17:30	4.8	329	16	6.7	0
02/03/2023 17:40	4.2	320	16	6.4	0
02/03/2023 17:50	4	322	15	5.9	0
02/03/2023 18:00	4.3	330	13	6.4	0
02/03/2023 18:10	4.2	325	15	5.8	0
02/03/2023 18:20	3.9	326	17	5.3	0
02/03/2023 18:30	4	328	18	5.9	0
02/03/2023 18:40	2.6	312	26	4.3	0
02/03/2023 18:50	3.1	305	21	5.3	0
02/03/2023 19:00	3.4	305	20	5.6	0
02/03/2023 19:10	2.6	322	23	4.3	0
02/03/2023 19:20	2.5	330	18	3.9	0
02/03/2023 19:30	2.1	301	20	3.6	0
02/03/2023 19:40	2.6	280	21	4.2	0
02/03/2023 19:50	2.7	275	19	4	0
02/03/2023 20:00	2.6	273	18	4.2	0
02/03/2023 20:10	2.2	275	20	3.6	0
02/03/2023 20:20	2.2	269	19	3.5	0
02/03/2023 20:30	1.7	277	35	2.9	0
02/03/2023 20:40	2.1	268	30	3.6	0
02/03/2023 20:50	1.8	253	33	3	0
02/03/2023 21:00	1.3	226	56	2.4	0
02/03/2023 21:10	1.8	265	38	3.5	0
02/03/2023 21:20	1.5	254	47	3	0
02/03/2023 21:30	2	276	23	3.6	0
02/03/2023 21:40	1.5	230	51	2.5	0
02/03/2023 21:50	1.3	216	54	2.4	0
02/03/2023 22:00	1.4	204	52	2.6	0
02/03/2023 22:10	1.4	256	67	3.2	0
02/03/2023 22:20	1.9	258	25	3	0
02/03/2023 22:30	1.2	236	36	2	0
02/03/2023 22:40	1.1	207	48	2.4	0
02/03/2023 22:50	2.7	194	14	4	0
02/03/2023 23:00	2.5	201	21	3.7	0
02/03/2023 23:10	3.1	197	15	4.4	0
02/03/2023 23:20	3.5	200	16	4.8	0
02/03/2023 23:30	4	194	17	5.6	0
02/03/2023 23:40	3.8	202	17	5.7	0
02/03/2023 23:50	3.1	196	16	4.4	0
02/04/2023 00:00	2.8	208	22	4.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/04/2023 00:10	2.7	204	17	3.8	0
02/04/2023 00:20	3	198	12	4.5	0
02/04/2023 00:30	2.4	200	19	3.9	0
02/04/2023 00:40	2.4	197	15	3.3	0
02/04/2023 00:50	2.2	202	24	3.3	0
02/04/2023 01:00	2.2	211	30	4.7	0
02/04/2023 01:10	1.9	241	35	2.8	0
02/04/2023 01:20	1.7	284	27	2.5	0
02/04/2023 01:30	1.9	291	25	3	0
02/04/2023 01:40	3.6	200	16	5.1	0
02/04/2023 01:50	4.2	196	13	5.7	0
02/04/2023 02:00	4.6	195	12	6.3	0
02/04/2023 02:10	4.6	196	13	6.6	0
02/04/2023 02:20	4.3	188	15	6.1	0
02/04/2023 02:30	3.5	183	20	5.2	0
02/04/2023 02:40	3.9	183	15	5.4	0
02/04/2023 02:50	3.2	171	16	4.7	0
02/04/2023 03:00	3.6	173	18	5.5	0
02/04/2023 03:10	3.6	181	19	5.2	0
02/04/2023 03:20	3	177	17	4.2	0
02/04/2023 03:30	2.7	169	18	3.6	0
02/04/2023 03:40	2.3	161	16	3.3	0
02/04/2023 03:50	2.3	155	17	3.3	0
02/04/2023 04:00	2.6	169	14	3.8	0
02/04/2023 04:10	1.5	138	24	2.4	0
02/04/2023 04:20	1.5	351	18	1.9	0
02/04/2023 04:30	1.1	25	21	1.6	0
02/04/2023 04:40	1.3	97	17	1.9	0
02/04/2023 04:50	2.2	108	12	3.2	0
02/04/2023 05:00	2.8	112	10	3.6	0
02/04/2023 05:10	2.4	91	17	3.2	0
02/04/2023 05:20	2.7	91	12	3.6	0
02/04/2023 05:30	2.7	81	14	3.8	0
02/04/2023 05:40	2.9	89	13	4.1	0
02/04/2023 05:50	3.6	82	16	5.2	0
02/04/2023 06:00	4.3	87	14	5.6	0
02/04/2023 06:10	4.2	89	13	5.8	0
02/04/2023 06:20	3.6	91	15	5.6	0
02/04/2023 06:30	4	92	19	5.9	0
02/04/2023 06:40	3.8	93	14	5.9	0
02/04/2023 06:50	4.3	89	13	6	0
02/04/2023 07:00	4.2	89	14	5.6	0
02/04/2023 07:10	4.1	84	14	5.8	0
02/04/2023 07:20	3.9	91	14	5.5	0
02/04/2023 07:30	3.4	89	15	4.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/04/2023 07:40	3.5	86	14	5.1	0
02/04/2023 07:50	3.7	86	14	5.5	0
02/04/2023 08:00	3.7	84	14	5.3	0
02/04/2023 08:10	3.7	88	15	5.2	0
02/04/2023 08:20	3.5	84	15	4.9	0
02/04/2023 08:30	3.4	80	12	4.7	0
02/04/2023 08:40	3.3	84	19	4.5	0
02/04/2023 08:50	3.5	86	16	4.6	0
02/04/2023 09:00	3.6	80	14	5.2	0
02/04/2023 09:10	3.4	77	16	4.8	0
02/04/2023 09:20	3.9	58	14	5.1	0
02/04/2023 09:30	3.6	61	15	4.8	0
02/04/2023 09:40	3.8	61	13	5.1	0
02/04/2023 09:50	4.2	57	10	5.4	0
02/04/2023 10:00	4.2	56	11	5.5	0
02/04/2023 10:10	4.3	57	12	5.8	0
02/04/2023 10:20	4.2	56	15	5.4	0
02/04/2023 10:30	4.3	51	14	5.6	0
02/04/2023 10:40	4.5	50	12	5.9	0
02/04/2023 10:50	4.5	47	13	6	0
02/04/2023 11:00	4.7	44	14	6.3	0
02/04/2023 11:10	4.7	43	12	6.2	0
02/04/2023 11:20	4.5	43	13	5.6	0
02/04/2023 11:30	4.6	45	13	5.8	0
02/04/2023 11:40	4.5	44	13	5.8	0
02/04/2023 11:50	4.5	45	12	6	0
02/04/2023 12:00	4.8	44	12	6.1	0
02/04/2023 12:10	4.5	41	14	6	0
02/04/2023 12:20	5	44	11	6.5	0
02/04/2023 12:30	5	42	11	6.5	0
02/04/2023 12:40	5.1	47	11	6.8	0
02/04/2023 12:50	5	46	11	6.8	0
02/04/2023 13:00	5.4	42	12	7	0
02/04/2023 13:10	5.1	44	11	6.8	0
02/04/2023 13:20	5.3	45	11	7.1	0
02/04/2023 13:30	5	43	14	6.8	0
02/04/2023 13:40	5.7	44	12	7.5	0
02/04/2023 13:50	5.2	40	13	7.2	0
02/04/2023 14:00	5.4	41	12	7.4	0
02/04/2023 14:10	5.3	45	14	7.2	0
02/04/2023 14:20	5.3	45	13	6.8	0
02/04/2023 14:30	5.1	47	11	6.6	0
02/04/2023 14:40	5	47	13	6.5	0
02/04/2023 14:50	4.1	26	17	6	0
02/04/2023 15:00	4.6	186	15	6.8	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/04/2023 15:10	4.9	336	14	6.9	0
02/04/2023 15:20	5.4	341	11	7.1	0
02/04/2023 15:30	4.6	341	12	6.4	0
02/04/2023 15:40	4.6	344	12	6.5	0
02/04/2023 15:50	3.7	332	21	5.6	0
02/04/2023 16:00	2.8	302	26	5	0
02/04/2023 16:10	3.1	302	23	5.1	0
02/04/2023 16:20	2.8	293	26	4.5	0
02/04/2023 16:30	3.1	313	22	5.1	0
02/04/2023 16:40	3.6	326	18	5.7	0
02/04/2023 16:50	3.6	330	16	4.9	0
02/04/2023 17:00	3.3	333	14	4.6	0
02/04/2023 17:10	3.1	330	13	4.7	0
02/04/2023 17:20	3.2	331	15	4.8	0
02/04/2023 17:30	3	331	12	3.9	0
02/04/2023 17:40	3.3	327	14	4.3	0
02/04/2023 17:50	2.9	326	15	4	0
02/04/2023 18:00	2.3	310	26	3.8	0
02/04/2023 18:10	2.7	297	20	4.4	0
02/04/2023 18:20	2.6	290	23	4.1	0
02/04/2023 18:30	3	299	21	4.7	0
02/04/2023 18:40	3	294	23	4.8	0
02/04/2023 18:50	3.4	293	23	5	0
02/04/2023 19:00	3	292	21	4.7	0
02/04/2023 19:10	2.4	283	23	3.6	0
02/04/2023 19:20	2.3	282	20	3.6	0
02/04/2023 19:30	2.3	288	26	3.5	0
02/04/2023 19:40	2.8	291	21	4.7	0
02/04/2023 19:50	2.6	288	24	4.2	0
02/04/2023 20:00	2.4	290	25	3.8	0
02/04/2023 20:10	2.4	287	20	3.6	0
02/04/2023 20:20	2	307	22	3.2	0
02/04/2023 20:30	1.9	299	20	2.7	0
02/04/2023 20:40	2.1	311	18	3.1	0
02/04/2023 20:50	2.3	300	17	3.2	0
02/04/2023 21:00	2.4	291	22	3.6	0
02/04/2023 21:10	2.5	296	21	3.9	0
02/04/2023 21:20	2.1	294	23	3.7	0
02/04/2023 21:30	2.2	302	19	3.3	0
02/04/2023 21:40	2.6	280	19	3.8	0
02/04/2023 21:50	2.2	280	19	3.2	0
02/04/2023 22:00	2	275	29	3.2	0
02/04/2023 22:10	1.8	290	30	3	0
02/04/2023 22:20	1.9	273	30	2.9	0
02/04/2023 22:30	1.8	290	22	2.8	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/04/2023 22:40	1.7	286	24	2.4	0
02/04/2023 22:50	1.4	294	22	2.1	0
02/04/2023 23:00	1.3	302	23	2.1	0
02/04/2023 23:10	1.4	311	22	1.9	0
02/04/2023 23:20	1.5	332	22	2.2	0
02/04/2023 23:30	5.8	67	22	11.2	0
02/04/2023 23:40	8.9	65	14	12.3	0.2
02/04/2023 23:50	10.6	57	13	14.8	0
02/05/2023 00:00	8.5	48	12	11.3	0.1
02/05/2023 00:10	6.9	33	12	9.3	0
02/05/2023 00:20	5.5	22	15	7.9	0
02/05/2023 00:30	5.1	28	13	7.5	0
02/05/2023 00:40	3.9	13	18	6	0
02/05/2023 00:50	2.8	341	20	4.1	0
02/05/2023 01:00	3.6	334	15	5.1	0
02/05/2023 01:10	4.1	341	16	5.9	0
02/05/2023 01:20	3	335	17	4.6	0.3
02/05/2023 01:30	3.4	313	18	4.9	0.2
02/05/2023 01:40	4.2	329	12	6.1	0
02/05/2023 01:50	2.5	315	18	4.2	0.2
02/05/2023 02:00	2	249	30	3.6	0
02/05/2023 02:10	2.1	246	32	3.6	0
02/05/2023 02:20	2.2	233	36	3.6	0
02/05/2023 02:30	1.8	272	25	2.7	0
02/05/2023 02:40	1.6	217	43	3.3	0
02/05/2023 02:50	1.9	205	38	3.6	0
02/05/2023 03:00	2.8	200	28	4.8	0.1
02/05/2023 03:10	3	200	32	5.3	0
02/05/2023 03:20	2.8	197	44	5.2	0.1
02/05/2023 03:30	3.3	207	34	6.2	0
02/05/2023 03:40	2.5	210	33	4.4	0
02/05/2023 03:50	2.1	214	52	3.8	0
02/05/2023 04:00	4.2	204	24	6.8	0.1
02/05/2023 04:10	3.7	210	28	6.8	0
02/05/2023 04:20	3.6	209	29	6.8	0.2
02/05/2023 04:30	4.3	200	22	6.9	0
02/05/2023 04:40	4.9	197	16	6.9	0
02/05/2023 04:50	5.1	199	17	7.3	0
02/05/2023 05:00	5.3	198	16	7.8	0
02/05/2023 05:10	4.7	198	17	6.7	0
02/05/2023 05:20	5.1	200	15	6.8	0
02/05/2023 05:30	6	196	11	8.6	0
02/05/2023 05:40	5.8	200	12	8	0
02/05/2023 05:50	6.5	190	12	10.4	0
02/05/2023 06:00	7.1	191	13	9.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/05/2023 06:10	6.5	188	13	8.7	0
02/05/2023 06:20	6.6	187	13	8.5	0
02/05/2023 06:30	6.6	188	12	9.1	0
02/05/2023 06:40	5.9	186	14	8.3	0
02/05/2023 06:50	5.7	188	14	8.3	0
02/05/2023 07:00	5.9	184	14	7.7	0
02/05/2023 07:10	5.7	185	12	7.8	0
02/05/2023 07:20	5.4	184	15	7.7	0
02/05/2023 07:30	5.1	178	12	7	0
02/05/2023 07:40	5.7	185	10	7.9	0
02/05/2023 07:50	5.9	189	12	7.6	0
02/05/2023 08:00	4.6	183	13	6.6	0
02/05/2023 08:10	5.3	184	11	7	0
02/05/2023 08:20	4.9	182	13	6.6	0
02/05/2023 08:30	4.1	180	15	6	0
02/05/2023 08:40	3.8	181	16	5.5	0
02/05/2023 08:50	3.4	182	17	5.2	0
02/05/2023 09:00	2.6	147	26	4.2	0
02/05/2023 09:10	2.1	136	28	3.3	0
02/05/2023 09:20	2	141	32	3.3	0
02/05/2023 09:30	2.4	108	23	4	0
02/05/2023 09:40	2.5	122	24	3.6	0
02/05/2023 09:50	2.2	89	26	3.2	0
02/05/2023 10:00	2.2	70	18	3.2	0
02/05/2023 10:10	2.8	54	15	3.6	0
02/05/2023 10:20	2.1	63	20	3	0
02/05/2023 10:30	2	53	19	2.5	0
02/05/2023 10:40	2.1	54	15	2.8	0
02/05/2023 10:50	2.2	48	16	3.3	0
02/05/2023 11:00	2.7	51	11	3.7	0
02/05/2023 11:10	3.5	44	13	4.9	0
02/05/2023 11:20	3.8	45	12	4.8	0
02/05/2023 11:30	3.7	53	12	4.8	0
02/05/2023 11:40	4.4	54	13	5.6	0
02/05/2023 11:50	4.4	46	10	5.7	0
02/05/2023 12:00	4.5	55	11	6	0
02/05/2023 12:10	4.5	49	11	5.9	0
02/05/2023 12:20	4.2	48	13	5.5	0
02/05/2023 12:30	3.6	27	22	5.1	0
02/05/2023 12:40	4.6	168	15	6.8	0
02/05/2023 12:50	4.4	327	17	6.5	0
02/05/2023 13:00	4.4	326	16	6.8	0
02/05/2023 13:10	4.6	326	18	6.5	0
02/05/2023 13:20	4.1	335	16	6.4	0
02/05/2023 13:30	3.8	312	24	6.4	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/05/2023 13:40	3.1	295	26	5.1	0
02/05/2023 13:50	3.4	275	23	5	0
02/05/2023 14:00	3.5	264	28	5.4	0
02/05/2023 14:10	2.7	281	34	5.1	0
02/05/2023 14:20	2.6	276	34	4.4	0
02/05/2023 14:30	3.1	289	29	5.1	0
02/05/2023 14:40	2.9	314	28	5.3	0
02/05/2023 14:50	2.2	318	36	4	0
02/05/2023 15:00	3	281	29	5	0
02/05/2023 15:10	3.1	290	26	5	0
02/05/2023 15:20	3.5	308	22	5.2	0
02/05/2023 15:30	3.6	295	27	5	0
02/05/2023 15:40	2.9	291	29	4.8	0
02/05/2023 15:50	2.7	269	23	4.2	0
02/05/2023 16:00	3.2	287	21	5.2	0
02/05/2023 16:10	2.8	292	22	4.8	0
02/05/2023 16:20	3	293	21	4.5	0
02/05/2023 16:30	2.9	284	21	4.4	0
02/05/2023 16:40	3.1	277	25	5.3	0
02/05/2023 16:50	3.2	282	25	5.4	0
02/05/2023 17:00	3.5	289	21	5.2	0
02/05/2023 17:10	3.4	287	26	5.7	0
02/05/2023 17:20	3.8	289	20	5.7	0
02/05/2023 17:30	3.7	282	23	6.2	0
02/05/2023 17:40	3.6	284	22	5.8	0
02/05/2023 17:50	3.7	288	24	5.7	0
02/05/2023 18:00	3.2	282	24	5.5	0
02/05/2023 18:10	2.9	271	27	4.4	0
02/05/2023 18:20	2.6	272	32	4.4	0
02/05/2023 18:30	2.9	272	29	4.7	0
02/05/2023 18:40	2.8	274	23	4.4	0
02/05/2023 18:50	2.3	217	38	4.7	0
02/05/2023 19:00	3	207	29	5.2	0
02/05/2023 19:10	2.8	220	35	4.7	0
02/05/2023 19:20	2.1	231	38	3.6	0
02/05/2023 19:30	2.1	253	41	4.2	0
02/05/2023 19:40	2	256	30	3.7	0
02/05/2023 19:50	1.5	228	56	3	0
02/05/2023 20:00	1.8	242	47	4	0
02/05/2023 20:10	2.5	274	22	3.7	0
02/05/2023 20:20	2.2	272	19	3.7	0
02/05/2023 20:30	2.1	261	39	3.6	0
02/05/2023 20:40	2.2	259	41	4.2	0
02/05/2023 20:50	2.1	204	28	3.6	0
02/05/2023 21:00	2.4	201	33	4.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/05/2023 21:10	2	220	40	3.3	0
02/05/2023 21:20	2	230	39	3	0
02/05/2023 21:30	1.9	238	40	3.3	0
02/05/2023 21:40	1.9	231	51	3.9	0
02/05/2023 21:50	1.7	241	45	3.2	0
02/05/2023 22:00	2.2	262	31	3.9	0
02/05/2023 22:10	2.4	278	18	3.5	0
02/05/2023 22:20	1.5	263	54	2.7	0
02/05/2023 22:30	1.8	216	40	3.6	0
02/05/2023 22:40	1.8	214	59	3.6	0
02/05/2023 22:50	2.1	250	44	4.3	0
02/05/2023 23:00	1.4	223	66	2.6	0
02/05/2023 23:10	1.5	268	49	3.2	0
02/05/2023 23:20	1.8	269	41	4	0
02/05/2023 23:30	1.7	232	34	3.2	0
02/05/2023 23:40	1.7	229	58	3.5	0
02/05/2023 23:50	1.5	212	57	3	0
02/06/2023 00:00	1.7	221	53	3.2	0
02/06/2023 00:10	1.4	235	65	2.8	0
02/06/2023 00:20	1.2	213	63	2.6	0
02/06/2023 00:30	1.3	235	52	2.3	0
02/06/2023 00:40	1.2	184	80	2.3	0
02/06/2023 00:50	1.8	243	56	3.6	0
02/06/2023 01:00	1.8	211	50	3.2	0
02/06/2023 01:10	2.1	230	49	4.7	0
02/06/2023 01:20	2.7	203	27	4.6	0
02/06/2023 01:30	3.1	207	24	5.5	0
02/06/2023 01:40	3.2	206	25	5	0
02/06/2023 01:50	3.5	201	21	5.2	0
02/06/2023 02:00	3.8	198	14	5.8	0
02/06/2023 02:10	4.7	195	11	6.5	0
02/06/2023 02:20	4.6	194	11	6.2	0
02/06/2023 02:30	4.1	193	11	5.4	0
02/06/2023 02:40	3.7	191	13	5.4	0
02/06/2023 02:50	3.9	191	13	5.2	0
02/06/2023 03:00	3.8	190	14	5.1	0
02/06/2023 03:10	3.3	185	15	4.8	0
02/06/2023 03:20	3.2	185	17	4.9	0
02/06/2023 03:30	2.9	190	16	4.2	0
02/06/2023 03:40	2.4	185	16	3.9	0
02/06/2023 03:50	2.1	183	28	3.2	0
02/06/2023 04:00	1.8	172	31	2.9	0
02/06/2023 04:10	2.5	190	16	3.6	0
02/06/2023 04:20	1.6	155	24	2.5	0
02/06/2023 04:30	1.5	150	26	2.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/06/2023 04:40	1.4	126	23	2.4	0
02/06/2023 04:50	1.6	124	33	2.8	0
02/06/2023 05:00	1.8	128	23	2.9	0
02/06/2023 05:10	1.7	132	27	2.6	0
02/06/2023 05:20	1.7	155	22	2.6	0
02/06/2023 05:30	2.6	192	13	3.9	0
02/06/2023 05:40	3	192	12	4.4	0
02/06/2023 05:50	2.3	189	16	3.2	0
02/06/2023 06:00	1.9	157	22	3.2	0
02/06/2023 06:10	1.5	159	27	2.5	0
02/06/2023 06:20	1.6	161	21	2.5	0
02/06/2023 06:30	1.7	158	20	2.8	0
02/06/2023 06:40	1.9	135	27	3.1	0
02/06/2023 06:50	1.6	108	28	3.2	0
02/06/2023 07:00	2.1	101	26	4.1	0
02/06/2023 07:10	1.7	140	34	3.2	0
02/06/2023 07:20	1.3	146	26	2.2	0
02/06/2023 07:30	1.3	190	29	2.2	0
02/06/2023 07:40	1.4	195	26	2.1	0
02/06/2023 07:50	1.4	194	26	2.1	0
02/06/2023 08:00	1.4	180	26	2.4	0
02/06/2023 08:10	0.8	156	48	1.6	0
02/06/2023 08:20	1.4	164	43	2.4	0
02/06/2023 08:30	1.4	215	36	2.4	0
02/06/2023 08:40	1.5	134	29	2.1	0
02/06/2023 08:50	1.4	136	30	2.4	0
02/06/2023 09:00	1.6	79	57	2.6	0
02/06/2023 09:10	2.2	65	19	3	0
02/06/2023 09:20	2.2	50	16	2.8	0
02/06/2023 09:30	2.3	46	18	3	0
02/06/2023 09:40	2.2	52	15	2.8	0
02/06/2023 09:50	2.3	43	13	3	0
02/06/2023 10:00	2.1	51	18	2.9	0
02/06/2023 10:10	2.2	50	20	2.9	0
02/06/2023 10:20	2.3	51	16	2.8	0
02/06/2023 10:30	1.6	50	21	2.4	0
02/06/2023 10:40	1.9	38	17	2.6	0
02/06/2023 10:50	2	46	18	2.7	0
02/06/2023 11:00	1.8	57	20	2.5	0
02/06/2023 11:10	1.9	44	14	2.7	0
02/06/2023 11:20	2.2	66	16	2.8	0
02/06/2023 11:30	2.5	58	18	3.2	0
02/06/2023 11:40	2.7	62	16	3.7	0
02/06/2023 11:50	2.9	55	14	4.1	0
02/06/2023 12:00	3.3	59	15	4.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/06/2023 12:10	3.8	65	11	4.6	0
02/06/2023 12:20	3.8	50	13	5.2	0
02/06/2023 12:30	4.1	49	12	5.2	0
02/06/2023 12:40	3.5	40	16	5.3	0
02/06/2023 12:50	3.2	8	21	5.4	0
02/06/2023 13:00	3.5	340	18	5.5	0
02/06/2023 13:10	3.9	337	18	6.4	0
02/06/2023 13:20	4.3	343	19	6.3	0
02/06/2023 13:30	3.9	179	25	5.9	0
02/06/2023 13:40	4.1	8	18	5.8	0
02/06/2023 13:50	4.2	175	19	5.7	0
02/06/2023 14:00	4.4	340	17	6.5	0
02/06/2023 14:10	4.1	324	15	6	0
02/06/2023 14:20	4.3	332	21	6.6	0
02/06/2023 14:30	4.4	330	19	6.3	0
02/06/2023 14:40	4.7	328	17	6.5	0
02/06/2023 14:50	5.2	334	15	7.2	0
02/06/2023 15:00	5.7	344	13	7.2	0
02/06/2023 15:10	5.5	352	13	7.7	0
02/06/2023 15:20	5.4	339	16	7.7	0
02/06/2023 15:30	5.9	336	14	7.5	0
02/06/2023 15:40	5.3	330	13	7.3	0
02/06/2023 15:50	6	349	10	7.9	0
02/06/2023 16:00	5.8	345	13	7.3	0
02/06/2023 16:10	6.1	342	14	7.9	0
02/06/2023 16:20	5.1	334	13	6.9	0
02/06/2023 16:30	5.2	340	15	7.2	0
02/06/2023 16:40	5.6	347	16	7.5	0
02/06/2023 16:50	5.7	343	12	7.2	0
02/06/2023 17:00	5.4	340	15	7	0
02/06/2023 17:10	5.2	340	16	7.1	0
02/06/2023 17:20	5.1	345	17	7.1	0
02/06/2023 17:30	5.5	341	10	6.8	0
02/06/2023 17:40	5.9	349	12	7.8	0
02/06/2023 17:50	5.1	354	12	6.9	0
02/06/2023 18:00	5	342	14	6.8	0
02/06/2023 18:10	4.8	348	18	7.1	0
02/06/2023 18:20	5.1	344	10	6.6	0
02/06/2023 18:30	4.1	349	15	5.3	0
02/06/2023 18:40	4.2	349	13	5.7	0
02/06/2023 18:50	4.4	354	16	6.3	0
02/06/2023 19:00	4.4	350	12	6	0
02/06/2023 19:10	4.5	347	13	6.4	0
02/06/2023 19:20	4.5	350	16	6.2	0
02/06/2023 19:30	4.1	353	12	6.3	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/06/2023 19:40	3.5	354	14	5.7	0
02/06/2023 19:50	3.5	352	14	5.6	0
02/06/2023 20:00	3.8	0	12	5.7	0
02/06/2023 20:10	3.5	179	15	5.7	0
02/06/2023 20:20	3.5	339	13	4.9	0
02/06/2023 20:30	3	332	14	5	0
02/06/2023 20:40	3.3	334	13	4.5	0
02/06/2023 20:50	2.7	326	13	3.6	0
02/06/2023 21:00	2.4	314	18	3.6	0
02/06/2023 21:10	2.9	324	14	4.7	0
02/06/2023 21:20	3.3	328	16	4.5	0
02/06/2023 21:30	3.3	323	16	5.2	0
02/06/2023 21:40	3.3	325	17	5.3	0
02/06/2023 21:50	2.7	323	19	4.4	0
02/06/2023 22:00	1.9	306	24	3.2	0
02/06/2023 22:10	2.7	299	24	4.5	0
02/06/2023 22:20	1.7	312	41	2.8	0
02/06/2023 22:30	2.4	304	19	3.6	0
02/06/2023 22:40	2.2	308	25	3.9	0
02/06/2023 22:50	1.7	292	25	2.7	0
02/06/2023 23:00	1.8	284	24	2.9	0
02/06/2023 23:10	1.6	292	23	2.6	0
02/06/2023 23:20	1.6	297	33	2.7	0
02/06/2023 23:30	1.7	283	21	2.8	0
02/06/2023 23:40	1.8	279	19	3	0
02/06/2023 23:50	1.8	268	19	2.4	0
02/07/2023 00:00	1.5	274	30	2.6	0
02/07/2023 00:10	1.5	271	26	2.2	0
02/07/2023 00:20	1.5	277	23	2.4	0
02/07/2023 00:30	1.8	280	22	2.7	0
02/07/2023 00:40	1.7	269	15	2.8	0
02/07/2023 00:50	1.4	256	27	2.5	0
02/07/2023 01:00	1.8	267	26	2.6	0
02/07/2023 01:10	1.6	274	21	2.6	0
02/07/2023 01:20	1.7	273	20	2.4	0
02/07/2023 01:30	1.4	281	24	2.2	0
02/07/2023 01:40	1.6	271	26	3.1	0
02/07/2023 01:50	1.7	284	17	2.4	0
02/07/2023 02:00	1.6	276	18	2.4	0
02/07/2023 02:10	1.6	283	23	2.2	0
02/07/2023 02:20	1.4	255	26	2.2	0
02/07/2023 02:30	1.4	269	29	2.4	0
02/07/2023 02:40	1.2	254	29	2.2	0
02/07/2023 02:50	0.7	255	22	2	0
02/07/2023 03:00	1.1	214	35	1.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/07/2023 03:10	1.2	206	32	2.1	0
02/07/2023 03:20	0.9	271	16	1.5	0
02/07/2023 03:30	0.4	232	14	1.2	0
02/07/2023 03:40	0.8	177	28	1.4	0
02/07/2023 03:50	0.9	346	25	1.2	0
02/07/2023 04:00	0.5	161	13	1.1	0
02/07/2023 04:10	0.2	211	11	0.7	0
02/07/2023 04:20	1	104	27	2	0
02/07/2023 04:30	1.7	185	16	2.4	0
02/07/2023 04:40	1.9	168	12	2.5	0
02/07/2023 04:50	1.5	176	18	2.3	0
02/07/2023 05:00	1.1	163	20	1.8	0
02/07/2023 05:10	1.8	183	20	2.8	0
02/07/2023 05:20	1.5	182	17	2.1	0
02/07/2023 05:30	1.4	155	19	2.2	0
02/07/2023 05:40	1.8	162	14	2.5	0
02/07/2023 05:50	1.5	154	18	2.3	0
02/07/2023 06:00	1.3	148	20	1.9	0
02/07/2023 06:10	1.3	145	18	1.7	0
02/07/2023 06:20	1.5	161	17	2	0
02/07/2023 06:30	1.4	146	18	2.4	0
02/07/2023 06:40	1.7	148	16	2.2	0
02/07/2023 06:50	2	156	9	2.4	0
02/07/2023 07:00	1.8	165	17	2.3	0
02/07/2023 07:10	1.1	150	27	1.8	0
02/07/2023 07:20	1.7	156	21	2.3	0
02/07/2023 07:30	1.7	167	23	2.3	0
02/07/2023 07:40	1.7	137	29	2.7	0
02/07/2023 07:50	1.9	108	15	2.6	0
02/07/2023 08:00	1.9	104	15	2.9	0
02/07/2023 08:10	2	104	19	3.2	0
02/07/2023 08:20	2.1	125	19	3.2	0
02/07/2023 08:30	1.9	107	28	3.2	0
02/07/2023 08:40	2.2	85	23	3.6	0
02/07/2023 08:50	2.2	75	18	3.2	0
02/07/2023 09:00	2.3	72	18	3.4	0
02/07/2023 09:10	2.6	67	15	3.6	0
02/07/2023 09:20	2.4	60	18	3.4	0
02/07/2023 09:30	2.4	57	15	3.2	0
02/07/2023 09:40	2.8	57	12	3.6	0
02/07/2023 09:50	2.6	59	17	3.7	0
02/07/2023 10:00	2.8	59	16	3.8	0
02/07/2023 10:10	2.9	71	16	4	0
02/07/2023 10:20	2.9	65	16	3.7	0
02/07/2023 10:30	3	61	16	4	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/07/2023 10:40	2.9	69	18	4.1	0
02/07/2023 10:50	3.1	71	15	4	0
02/07/2023 11:00	3.3	54	10	4.6	0
02/07/2023 11:10	3.4	59	12	4.4	0
02/07/2023 11:20	3.4	56	12	4.6	0
02/07/2023 11:30	3.4	57	12	4.3	0
02/07/2023 11:40	3.3	57	14	4.4	0
02/07/2023 11:50	3.7	60	10	4.4	0
02/07/2023 12:00	3.6	59	9	4.5	0
02/07/2023 12:10	3.8	62	9	4.7	0
02/07/2023 12:20	4	60	12	5	0
02/07/2023 12:30	4.1	60	14	5.2	0
02/07/2023 12:40	3.9	56	14	5.2	0
02/07/2023 12:50	4.1	56	14	5.6	0
02/07/2023 13:00	3.9	54	13	5.3	0
02/07/2023 13:10	4.1	56	13	5.3	0
02/07/2023 13:20	4	51	14	5.2	0
02/07/2023 13:30	4.2	53	13	5.9	0
02/07/2023 13:40	3.7	40	20	5.2	0
02/07/2023 13:50	3.2	181	26	7.1	0
02/07/2023 14:00	3.4	352	31	6.8	0
02/07/2023 14:10	3.7	176	23	5.6	0
02/07/2023 14:20	3.3	354	19	5.6	0
02/07/2023 14:30	3.4	4	19	5.2	0
02/07/2023 14:40	4.3	3	15	6.4	0
02/07/2023 14:50	4.3	354	17	6	0
02/07/2023 15:00	4.6	353	16	6.3	0
02/07/2023 15:10	4.5	354	16	5.9	0
02/07/2023 15:20	4.3	342	15	6	0
02/07/2023 15:30	4.3	329	19	6.1	0
02/07/2023 15:40	4.8	338	14	7.4	0
02/07/2023 15:50	5.6	337	13	7.7	0
02/07/2023 16:00	4.6	327	13	6	0
02/07/2023 16:10	3.9	324	16	5.7	0
02/07/2023 16:20	4.2	327	17	6.2	0
02/07/2023 16:30	5	338	12	6.5	0
02/07/2023 16:40	4.5	336	18	5.9	0
02/07/2023 16:50	4.5	330	15	6.1	0
02/07/2023 17:00	4.6	330	14	6	0
02/07/2023 17:10	5.2	337	11	7.2	0
02/07/2023 17:20	4.8	334	15	6.8	0
02/07/2023 17:30	4.3	333	16	6.4	0
02/07/2023 17:40	4.1	326	15	5.6	0
02/07/2023 17:50	3.8	322	13	5.5	0
02/07/2023 18:00	3.9	329	14	5.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/07/2023 18:10	4	327	13	5.2	0
02/07/2023 18:20	3.6	328	14	5.1	0
02/07/2023 18:30	3.3	329	15	4.4	0
02/07/2023 18:40	3.2	326	16	4.7	0
02/07/2023 18:50	3.3	325	15	4.4	0
02/07/2023 19:00	3.1	328	14	4.7	0
02/07/2023 19:10	3	325	13	4.4	0
02/07/2023 19:20	3.2	333	13	4.4	0
02/07/2023 19:30	3	326	12	4.6	0
02/07/2023 19:40	2.9	317	18	4.1	0
02/07/2023 19:50	2.1	306	20	3.4	0
02/07/2023 20:00	1.7	314	24	2.8	0
02/07/2023 20:10	2.4	296	23	3.9	0
02/07/2023 20:20	1.8	313	32	3.4	0
02/07/2023 20:30	2.1	292	30	3.5	0
02/07/2023 20:40	2.3	293	21	3.3	0
02/07/2023 20:50	2.2	293	23	3.3	0
02/07/2023 21:00	2	301	25	3.1	0
02/07/2023 21:10	2.2	328	15	3.1	0
02/07/2023 21:20	2.1	298	25	2.9	0
02/07/2023 21:30	2.1	314	25	3.8	0
02/07/2023 21:40	2.3	297	21	4	0
02/07/2023 21:50	2.1	294	22	3.3	0
02/07/2023 22:00	2.1	277	23	2.9	0
02/07/2023 22:10	2.1	272	21	3.3	0
02/07/2023 22:20	2	281	23	3.2	0
02/07/2023 22:30	1.8	280	19	2.9	0
02/07/2023 22:40	2	268	24	3.2	0
02/07/2023 22:50	2.4	271	18	3.9	0
02/07/2023 23:00	2.1	275	18	3.2	0
02/07/2023 23:10	2.1	278	26	3.3	0
02/07/2023 23:20	2.2	282	19	3.2	0
02/07/2023 23:30	2	287	16	2.9	0
02/07/2023 23:40	2	278	21	3.2	0
02/07/2023 23:50	1.6	279	25	2.5	0
02/08/2023 00:00	1.9	283	22	2.8	0
02/08/2023 00:10	1.8	280	19	2.8	0
02/08/2023 00:20	1.4	297	26	2.7	0
02/08/2023 00:30	1.7	280	19	2.6	0
02/08/2023 00:40	2.2	271	18	3.8	0
02/08/2023 00:50	2.2	275	25	3.5	0
02/08/2023 01:00	1.5	246	46	2.7	0
02/08/2023 01:10	1.8	263	28	3	0
02/08/2023 01:20	1.8	273	25	3.3	0
02/08/2023 01:30	1.8	271	26	3	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/08/2023 01:40	1.5	258	34	2.7	0
02/08/2023 01:50	1.7	223	25	3.1	0
02/08/2023 02:00	2	197	18	3	0
02/08/2023 02:10	2	202	27	3.1	0
02/08/2023 02:20	1.5	205	33	2.4	0
02/08/2023 02:30	1	216	60	2	0
02/08/2023 02:40	0.9	208	51	1.9	0
02/08/2023 02:50	0.9	191	29	2	0
02/08/2023 03:00	1.3	147	52	2.5	0
02/08/2023 03:10	0.7	118	28	1.4	0
02/08/2023 03:20	1.1	207	58	2	0
02/08/2023 03:30	1.1	108	29	1.6	0
02/08/2023 03:40	1.8	192	10	2.5	0
02/08/2023 03:50	1.9	195	13	2.8	0
02/08/2023 04:00	1.7	209	25	2.4	0
02/08/2023 04:10	1.5	206	35	2.4	0
02/08/2023 04:20	1.4	305	17	1.8	0
02/08/2023 04:30	1.7	345	6	2	0
02/08/2023 04:40	1.6	336	7	1.9	0
02/08/2023 04:50	0.8	334	9	1.2	0
02/08/2023 05:00	0.2	351	13	0.6	0
02/08/2023 05:10	0.2	357	9	0.8	0
02/08/2023 05:20	0.1	192	4	0.6	0
02/08/2023 05:30	0.6	179	13	0.8	0
02/08/2023 05:40	0.4	347	3	0.8	0
02/08/2023 05:50					0
02/08/2023 06:00					0
02/08/2023 06:10					0
02/08/2023 06:20	0	2	0	0.4	0
02/08/2023 06:30	0.8	351	2	1	0
02/08/2023 06:40	0.2	350	1	0.8	0
02/08/2023 06:50	0.4	24	5	0.8	0
02/08/2023 07:00	0.7	50	13	1.3	0
02/08/2023 07:10	1.3	42	12	1.7	0
02/08/2023 07:20	1.6	46	14	2.2	0
02/08/2023 07:30	1.7	47	13	2.3	0
02/08/2023 07:40	1.6	62	21	2.5	0
02/08/2023 07:50	1.9	60	17	2.7	0
02/08/2023 08:00	2	62	15	2.8	0
02/08/2023 08:10	1.9	55	15	2.4	0
02/08/2023 08:20	1.9	53	26	2.7	0
02/08/2023 08:30	2	54	18	2.8	0
02/08/2023 08:40	1.8	65	22	2.9	0
02/08/2023 08:50	2.2	62	21	3.4	0
02/08/2023 09:00	2.2	51	16	3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/08/2023 09:10	2.3	63	16	3.2	0
02/08/2023 09:20	2.4	66	18	3.4	0
02/08/2023 09:30	2.8	68	15	3.7	0
02/08/2023 09:40	3	63	13	4	0
02/08/2023 09:50	2.9	57	15	4.2	0
02/08/2023 10:00	2.9	68	16	4.2	0
02/08/2023 10:10	3	66	17	3.8	0
02/08/2023 10:20	2.9	72	17	3.8	0
02/08/2023 10:30	3.5	57	10	4.4	0
02/08/2023 10:40	3.6	61	13	4.5	0
02/08/2023 10:50	3.7	59	12	4.6	0
02/08/2023 11:00	3.7	61	12	4.6	0
02/08/2023 11:10	3.8	47	13	4.9	0
02/08/2023 11:20	3.8	58	11	4.8	0
02/08/2023 11:30	3.8	56	14	4.8	0
02/08/2023 11:40	3.7	53	16	4.8	0
02/08/2023 11:50	3.8	57	12	4.8	0
02/08/2023 12:00	3.7	58	14	4.8	0
02/08/2023 12:10	4	52	13	5.3	0
02/08/2023 12:20	4.2	58	12	5.2	0
02/08/2023 12:30	4.3	55	12	5.6	0
02/08/2023 12:40	4	52	15	5.6	0
02/08/2023 12:50	4.2	47	13	5.5	0
02/08/2023 13:00	4	51	12	5.2	0
02/08/2023 13:10	3.9	46	15	5	0
02/08/2023 13:20	4.2	55	14	5.6	0
02/08/2023 13:30	4.7	49	11	6	0
02/08/2023 13:40	4.5	49	13	6.1	0
02/08/2023 13:50	4.5	48	12	5.9	0
02/08/2023 14:00	4.1	55	13	5.4	0
02/08/2023 14:10	4.1	50	14	5.6	0
02/08/2023 14:20	4.2	52	14	5.9	0
02/08/2023 14:30	4.2	50	13	5.6	0
02/08/2023 14:40	4.2	49	15	5.3	0
02/08/2023 14:50	4.4	49	13	5.6	0
02/08/2023 15:00	4.8	47	11	6.4	0
02/08/2023 15:10	4.8	46	13	6.8	0
02/08/2023 15:20	4.7	48	13	6.1	0
02/08/2023 15:30	4.5	50	13	6.4	0
02/08/2023 15:40	4.9	50	11	6.2	0
02/08/2023 15:50	4.3	45	14	6	0
02/08/2023 16:00	5.1	179	18	6.8	0
02/08/2023 16:10	6	333	13	8.3	0
02/08/2023 16:20	5.6	327	12	8	0
02/08/2023 16:30	5.5	340	13	7.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/08/2023 16:40	4.8	342	13	7	0
02/08/2023 16:50	4.3	337	14	6.2	0
02/08/2023 17:00	3.9	339	17	5.6	0
02/08/2023 17:10	4.3	336	13	6.2	0
02/08/2023 17:20	4.1	330	12	5.9	0
02/08/2023 17:30	4.2	333	15	5.6	0
02/08/2023 17:40	4.3	337	14	5.6	0
02/08/2023 17:50	4	330	17	5.7	0
02/08/2023 18:00	4.3	335	14	5.7	0
02/08/2023 18:10	3.9	338	14	5.6	0
02/08/2023 18:20	4	336	13	5.4	0
02/08/2023 18:30	3.7	341	14	5.1	0
02/08/2023 18:40	3.5	340	12	4.7	0
02/08/2023 18:50	3.4	333	11	4.9	0
02/08/2023 19:00	3.3	333	13	4.9	0
02/08/2023 19:10	3.4	337	10	4.4	0
02/08/2023 19:20	3	339	14	4.4	0
02/08/2023 19:30	3	342	10	4.3	0
02/08/2023 19:40	2.9	341	12	4.2	0
02/08/2023 19:50	3.3	339	11	4.6	0
02/08/2023 20:00	3.7	335	12	5.2	0
02/08/2023 20:10	3.4	342	10	4.8	0
02/08/2023 20:20	3.5	341	11	5	0
02/08/2023 20:30	3.2	341	12	5	0
02/08/2023 20:40	3.7	342	11	5.2	0
02/08/2023 20:50	3.7	338	11	5	0
02/08/2023 21:00	3.4	345	14	4.9	0
02/08/2023 21:10	3.3	354	16	4.4	0
02/08/2023 21:20	3.2	345	11	4.7	0
02/08/2023 21:30	3.3	350	12	4.4	0
02/08/2023 21:40	3.5	342	16	4.8	0
02/08/2023 21:50	3	349	14	4.6	0
02/08/2023 22:00	2.3	342	14	3.3	0
02/08/2023 22:10	2.6	339	15	3.6	0
02/08/2023 22:20	2.6	333	12	3.7	0
02/08/2023 22:30	2.7	339	17	3.8	0
02/08/2023 22:40	2.4	333	11	3.3	0
02/08/2023 22:50	2	335	12	3.2	0
02/08/2023 23:00	2.1	338	11	2.9	0
02/08/2023 23:10	2.5	331	13	3.6	0
02/08/2023 23:20	2.9	341	11	3.8	0
02/08/2023 23:30	3	346	14	4.2	0
02/08/2023 23:40	2.2	339	10	3.2	0
02/08/2023 23:50	2.5	341	15	3.6	0
02/09/2023 00:00	3	344	13	4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/09/2023 00:10	3.2	343	10	4.2	0
02/09/2023 00:20	2.8	342	10	3.9	0
02/09/2023 00:30	2.6	334	12	4	0
02/09/2023 00:40	2.4	328	12	3.4	0
02/09/2023 00:50	2.2	327	15	3.3	0
02/09/2023 01:00	2	326	16	3	0
02/09/2023 01:10	2.2	332	20	3.1	0
02/09/2023 01:20	2.1	327	17	3	0
02/09/2023 01:30	1.7	330	19	2.6	0
02/09/2023 01:40	1.7	333	19	2.3	0
02/09/2023 01:50	1.7	324	18	2.6	0
02/09/2023 02:00	1.5	308	17	2.2	0
02/09/2023 02:10	1.2	325	21	1.7	0
02/09/2023 02:20	1	335	25	1.6	0
02/09/2023 02:30	1.8	326	13	2.6	0
02/09/2023 02:40	1.9	332	15	2.6	0
02/09/2023 02:50	1.7	325	18	2.7	0
02/09/2023 03:00	1.4	309	25	2	0
02/09/2023 03:10	1.3	294	23	1.9	0
02/09/2023 03:20	1	295	23	1.6	0
02/09/2023 03:30	1.3	280	24	1.9	0
02/09/2023 03:40	1.2	278	20	1.9	0
02/09/2023 03:50	1.1	238	49	1.7	0
02/09/2023 04:00	1.6	198	19	2.5	0
02/09/2023 04:10	1.8	193	20	2.8	0
02/09/2023 04:20	1.5	189	22	2.5	0
02/09/2023 04:30	1.7	200	20	2.8	0
02/09/2023 04:40	1.4	214	37	2.4	0
02/09/2023 04:50	1.9	193	32	3	0
02/09/2023 05:00	1.9	199	21	3.2	0
02/09/2023 05:10	2.1	196	16	2.9	0
02/09/2023 05:20	2.1	193	16	3.3	0
02/09/2023 05:30	2.3	196	17	3.7	0
02/09/2023 05:40	2.3	195	17	3.3	0
02/09/2023 05:50	1.7	200	24	3.1	0
02/09/2023 06:00	2.3	192	13	3.3	0
02/09/2023 06:10	2.1	192	13	3.2	0
02/09/2023 06:20	2.1	197	15	3.1	0
02/09/2023 06:30	2.1	200	14	3.1	0
02/09/2023 06:40	2.1	205	11	3	0
02/09/2023 06:50	1.8	198	15	2.6	0
02/09/2023 07:00	1.7	208	23	2.8	0
02/09/2023 07:10	1.1	212	42	2.1	0
02/09/2023 07:20	1.4	213	41	3.2	0
02/09/2023 07:30	1.4	186	49	2.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/09/2023 07:40	1.6	185	44	2.3	0
02/09/2023 07:50	1.1	212	48	2.2	0
02/09/2023 08:00	1.1	289	53	2.2	0
02/09/2023 08:10	1.4	40	39	2.6	0
02/09/2023 08:20	2	110	27	2.9	0
02/09/2023 08:30	3.1	208	39	5.1	0
02/09/2023 08:40	2.4	79	35	3.6	0
02/09/2023 08:50	2.5	115	45	5.1	0
02/09/2023 09:00	2.6	64	20	4	0
02/09/2023 09:10	2.2	55	25	3.1	0
02/09/2023 09:20	2.3	45	32	3.5	0
02/09/2023 09:30	2.1	51	22	3.2	0
02/09/2023 09:40	2.2	190	38	4.1	0
02/09/2023 09:50	2.1	181	44	3.5	0
02/09/2023 10:00	2.3	168	35	4	0
02/09/2023 10:10	2.5	333	40	4	0
02/09/2023 10:20	2.4	319	30	4	0
02/09/2023 10:30	3.1	291	36	5	0
02/09/2023 10:40	2.7	286	33	3.9	0
02/09/2023 10:50	2.9	283	27	4.5	0
02/09/2023 11:00	2.9	287	22	4.8	0
02/09/2023 11:10	3.2	274	28	4.5	0
02/09/2023 11:20	2.8	276	24	4.8	0
02/09/2023 11:30	2.9	259	23	4.3	0
02/09/2023 11:40	2.9	260	34	4.6	0
02/09/2023 11:50	2.7	278	29	4.5	0
02/09/2023 12:00	2.7	283	40	4.6	0
02/09/2023 12:10	3.2	271	28	5.4	0
02/09/2023 12:20	2.8	263	26	4.1	0
02/09/2023 12:30	2.6	278	28	4.5	0
02/09/2023 12:40	3.1	307	26	5.1	0
02/09/2023 12:50	3.3	328	26	5.6	0
02/09/2023 13:00	3.4	325	23	5.2	0
02/09/2023 13:10	3.5	318	29	5.3	0
02/09/2023 13:20	3.1	313	31	5	0
02/09/2023 13:30	3.6	324	29	5.4	0
02/09/2023 13:40	3.9	302	27	5.2	0
02/09/2023 13:50	3.3	293	29	5.2	0
02/09/2023 14:00	2.9	272	30	4.3	0
02/09/2023 14:10	3.7	274	26	5.3	0
02/09/2023 14:20	3.1	284	23	5.6	0
02/09/2023 14:30	3.7	287	24	5.9	0
02/09/2023 14:40	3.4	296	25	5.5	0
02/09/2023 14:50	3.4	297	31	6.1	0
02/09/2023 15:00	3.5	301	21	6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/09/2023 15:10	3	290	31	4.9	0
02/09/2023 15:20	3.3	287	25	4.8	0
02/09/2023 15:30	2.9	293	29	5.4	0
02/09/2023 15:40	2.9	291	27	4.5	0
02/09/2023 15:50	3.3	287	24	5.1	0
02/09/2023 16:00	4	310	22	6.4	0
02/09/2023 16:10	4.7	331	13	6.4	0
02/09/2023 16:20	4.1	325	17	6.2	0
02/09/2023 16:30	4.5	325	16	6.6	0
02/09/2023 16:40	4.5	328	13	6.4	0
02/09/2023 16:50	3.8	326	16	5.8	0
02/09/2023 17:00	4.3	322	15	6	0
02/09/2023 17:10	4.6	330	13	6.4	0
02/09/2023 17:20	4.1	328	15	5.7	0
02/09/2023 17:30	4.4	325	15	6.4	0
02/09/2023 17:40	3.8	321	17	5.6	0
02/09/2023 17:50	3.3	312	18	5.1	0
02/09/2023 18:00	3.9	320	15	5.6	0
02/09/2023 18:10	4.1	324	14	6	0
02/09/2023 18:20	3.9	323	15	5.6	0
02/09/2023 18:30	3.7	318	17	5.6	0
02/09/2023 18:40	4.4	325	13	5.9	0
02/09/2023 18:50	4	322	14	5.4	0
02/09/2023 19:00	3.9	323	15	5.9	0
02/09/2023 19:10	4.2	323	14	5.6	0
02/09/2023 19:20	4.2	321	12	5.4	0
02/09/2023 19:30	4.3	325	12	5.7	0
02/09/2023 19:40	3.7	317	15	5.6	0
02/09/2023 19:50	3.1	305	18	4.5	0
02/09/2023 20:00	3.2	289	21	4.8	0
02/09/2023 20:10	3.1	289	22	4.4	0
02/09/2023 20:20	3.1	291	22	4.9	0
02/09/2023 20:30	3	295	23	4.2	0
02/09/2023 20:40	3.6	289	20	6	0
02/09/2023 20:50	3.2	302	23	5	0
02/09/2023 21:00	4.2	304	18	5.9	0
02/09/2023 21:10	3.7	302	19	5.6	0
02/09/2023 21:20	3.3	303	21	5.3	0
02/09/2023 21:30	4.1	299	21	5.9	0
02/09/2023 21:40	3.6	294	27	6.4	0
02/09/2023 21:50	3.7	289	26	6.2	0
02/09/2023 22:00	3.2	293	22	5.1	0
02/09/2023 22:10	3.9	294	20	5.5	0
02/09/2023 22:20	3.6	284	22	5.6	0
02/09/2023 22:30	3.8	292	20	5.6	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/09/2023 22:40	3.1	285	21	5.1	0
02/09/2023 22:50	3.7	283	19	5.9	0
02/09/2023 23:00	3.5	284	19	5.1	0
02/09/2023 23:10	3.5	278	20	5.3	0
02/09/2023 23:20	3.4	281	23	5.6	0
02/09/2023 23:30	3.1	284	30	5.3	0
02/09/2023 23:40	3.2	275	21	5.2	0
02/09/2023 23:50	3.1	265	25	4.4	0
02/10/2023 00:00	3.3	275	24	5.6	0
02/10/2023 00:10	3	271	29	5.3	0
02/10/2023 00:20	3.1	269	26	5.6	0
02/10/2023 00:30	3.4	279	25	5.7	0
02/10/2023 00:40	3.3	271	28	5.5	0
02/10/2023 00:50	3.2	271	27	5.1	0
02/10/2023 01:00	3.2	265	28	5.2	0
02/10/2023 01:10	3	272	24	5.3	0
02/10/2023 01:20	2.9	269	27	5.1	0
02/10/2023 01:30	2.8	270	30	4.5	0
02/10/2023 01:40	3.2	264	26	5.6	0
02/10/2023 01:50	3.5	266	24	5.6	0
02/10/2023 02:00	3.5	265	24	5.4	0
02/10/2023 02:10	3.2	270	28	5.6	0
02/10/2023 02:20	3.1	267	32	5.2	0
02/10/2023 02:30	2.6	266	32	4.5	0
02/10/2023 02:40	2	259	54	4	0
02/10/2023 02:50	3	272	26	5.3	0
02/10/2023 03:00	2.6	258	40	4.9	0
02/10/2023 03:10	2.2	250	55	5.1	0
02/10/2023 03:20	2.2	234	47	4.4	0
02/10/2023 03:30	2.2	257	53	5.1	0
02/10/2023 03:40	1.6	209	66	3.2	0
02/10/2023 03:50	2	258	38	3.9	0
02/10/2023 04:00	2.3	250	36	4.9	0
02/10/2023 04:10	2.1	246	53	4.2	0
02/10/2023 04:20	1.6	233	57	3.6	0
02/10/2023 04:30	1.8	251	55	3.8	0
02/10/2023 04:40	1.7	250	63	4.1	0
02/10/2023 04:50	1.8	254	56	3.2	0
02/10/2023 05:00	1.8	252	48	4.4	0
02/10/2023 05:10	1.4	275	49	2.9	0
02/10/2023 05:20	1.7	217	47	3.2	0
02/10/2023 05:30	1.5	230	55	3	0
02/10/2023 05:40	1.5	225	66	3	0
02/10/2023 05:50	2	212	37	3.4	0
02/10/2023 06:00	2.9	197	17	4.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/10/2023 06:10	2.9	199	21	4.2	0
02/10/2023 06:20	2.7	196	19	4.1	0
02/10/2023 06:30	2.8	197	21	4	0
02/10/2023 06:40	3.1	203	19	4.9	0
02/10/2023 06:50	3.3	200	18	5.4	0
02/10/2023 07:00	3.4	197	19	5.3	0
02/10/2023 07:10	3.4	204	21	5.6	0
02/10/2023 07:20	3.4	206	26	5.8	0
02/10/2023 07:30	4.2	198	19	6.1	0
02/10/2023 07:40	3.9	201	19	5.9	0
02/10/2023 07:50	3.1	205	30	5.2	0
02/10/2023 08:00	3.2	209	29	5.6	0
02/10/2023 08:10	2.9	219	36	4.8	0
02/10/2023 08:20	3.8	202	25	6	0
02/10/2023 08:30	3.7	203	25	6.6	0
02/10/2023 08:40	3.1	205	30	5.7	0
02/10/2023 08:50	3.7	208	35	6	0
02/10/2023 09:00	3	217	30	5.5	0
02/10/2023 09:10	2.9	241	28	5	0
02/10/2023 09:20	2.5	231	40	4.5	0
02/10/2023 09:30	2.8	233	36	5.2	0
02/10/2023 09:40	2.8	194	27	4.5	0
02/10/2023 09:50	2.9	250	37	4.9	0
02/10/2023 10:00	3.5	270	29	5.3	0
02/10/2023 10:10	3	254	36	5.2	0
02/10/2023 10:20	3.6	277	27	5.8	0
02/10/2023 10:30	3.3	275	32	5.6	0
02/10/2023 10:40	3.4	259	34	6.2	0
02/10/2023 10:50	3.9	283	25	6.6	0
02/10/2023 11:00	4.7	293	24	7.1	0
02/10/2023 11:10	4.5	291	25	6.8	0
02/10/2023 11:20	4.3	288	25	6.6	0
02/10/2023 11:30	4.4	285	25	6.6	0
02/10/2023 11:40	4.4	281	22	6.8	0
02/10/2023 11:50	4.7	282	21	7.1	0
02/10/2023 12:00	4.5	288	25	7.5	0
02/10/2023 12:10	5.3	284	25	7.8	0
02/10/2023 12:20	5	286	24	7.7	0
02/10/2023 12:30	4.6	284	21	7.7	0
02/10/2023 12:40	4.7	277	21	7.5	0
02/10/2023 12:50	5.1	279	22	7.7	0
02/10/2023 13:00	5	269	19	7.3	0
02/10/2023 13:10	4.9	268	24	7.3	0
02/10/2023 13:20	5.7	270	19	7.7	0
02/10/2023 13:30	4.8	265	20	7.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/10/2023 13:40	5	270	22	7.1	0
02/10/2023 13:50	4.5	273	24	6.8	0
02/10/2023 14:00	5.1	271	24	7.9	0
02/10/2023 14:10	4.4	268	31	7.5	0
02/10/2023 14:20	4.6	267	24	7.5	0
02/10/2023 14:30	4.6	276	26	7.5	0
02/10/2023 14:40	4.9	272	26	7.5	0
02/10/2023 14:50	5	272	22	7.6	0
02/10/2023 15:00	4.8	274	23	7.2	0
02/10/2023 15:10	4.9	268	25	7.9	0
02/10/2023 15:20	5.6	273	19	7.9	0
02/10/2023 15:30	5.3	272	22	8.3	0
02/10/2023 15:40	5.1	271	21	8.4	0
02/10/2023 15:50	4.9	272	24	7.5	0
02/10/2023 16:00	4.8	270	25	8.3	0
02/10/2023 16:10	5	274	23	7.7	0
02/10/2023 16:20	4.9	274	26	7.2	0
02/10/2023 16:30	4.6	273	24	7.9	0
02/10/2023 16:40	4.4	268	30	7.5	0
02/10/2023 16:50	5.2	273	22	7.7	0
02/10/2023 17:00	5.4	274	22	8.2	0
02/10/2023 17:10	4.8	269	26	7.9	0
02/10/2023 17:20	4.7	273	23	8.6	0
02/10/2023 17:30	4.9	266	22	7.6	0
02/10/2023 17:40	4.4	269	29	7.9	0
02/10/2023 17:50	4.2	264	36	7.2	0
02/10/2023 18:00	4.5	271	25	7.9	0
02/10/2023 18:10	4.4	270	29	7.3	0
02/10/2023 18:20	4.3	268	30	7.5	0
02/10/2023 18:30	4.9	271	24	7.6	0
02/10/2023 18:40	4.6	267	24	7.5	0
02/10/2023 18:50	4.6	269	24	7.5	0
02/10/2023 19:00	4.4	273	23	7.2	0
02/10/2023 19:10	4.7	269	21	7.9	0
02/10/2023 19:20	4.1	274	22	6.6	0
02/10/2023 19:30	4.4	269	28	6.9	0
02/10/2023 19:40	3.8	271	30	7.2	0
02/10/2023 19:50	4.3	273	27	7.2	0
02/10/2023 20:00	4.8	270	26	8.1	0
02/10/2023 20:10	4.6	269	23	7.7	0
02/10/2023 20:20	4.7	272	23	7.3	0
02/10/2023 20:30	4.3	261	35	7.5	0
02/10/2023 20:40	3.9	270	30	6.2	0
02/10/2023 20:50	3.9	273	31	7.1	0
02/10/2023 21:00	4.3	275	23	6.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/10/2023 21:10	4.3	270	23	6.4	0
02/10/2023 21:20	4.3	267	22	6.8	0
02/10/2023 21:30	4	268	44	7.8	0
02/10/2023 21:40	4.4	272	24	6.9	0
02/10/2023 21:50	4.3	271	23	7.2	0
02/10/2023 22:00	3.8	259	37	6.5	0
02/10/2023 22:10	3.7	270	29	6.1	0
02/10/2023 22:20	4.3	264	22	7.4	0
02/10/2023 22:30	4.2	270	21	6.4	0
02/10/2023 22:40	3.4	270	31	5.5	0
02/10/2023 22:50	3.2	265	42	6.8	0
02/10/2023 23:00	2.5	265	50	5	0
02/10/2023 23:10	3.9	267	24	6.6	0
02/10/2023 23:20	3.9	263	29	7.1	0
02/10/2023 23:30	4.1	271	23	6.3	0
02/10/2023 23:40	3.9	271	28	6.8	0
02/10/2023 23:50	4	265	29	6	0
02/11/2023 00:00	4.2	269	28	6.4	0
02/11/2023 00:10	3.5	267	35	6.3	0
02/11/2023 00:20	3.1	266	51	6.2	0
02/11/2023 00:30	3.9	271	23	6.9	0
02/11/2023 00:40	3.6	267	30	6.2	0
02/11/2023 00:50	2.9	254	46	6	0
02/11/2023 01:00	2.2	231	69	4	0
02/11/2023 01:10	2.2	255	59	5.1	0
02/11/2023 01:20	1.5	198	72	2.9	0
02/11/2023 01:30	1.9	222	42	3.2	0
02/11/2023 01:40	2.2	252	33	4.3	0
02/11/2023 01:50	2.9	208	21	4.7	0
02/11/2023 02:00	2.1	217	34	3.4	0
02/11/2023 02:10	1.8	219	32	2.9	0
02/11/2023 02:20	2.2	212	28	3.6	0
02/11/2023 02:30	1.9	221	30	3.2	0
02/11/2023 02:40	2.1	204	29	3.4	0
02/11/2023 02:50	1.9	193	39	3	0
02/11/2023 03:00	1.9	186	23	3.2	0
02/11/2023 03:10	2.2	181	24	3.5	0
02/11/2023 03:20	2.3	181	20	3.6	0
02/11/2023 03:30	2.3	174	22	3.6	0
02/11/2023 03:40	1.7	176	21	2.9	0
02/11/2023 03:50	2.1	182	16	2.8	0
02/11/2023 04:00	2	236	22	3.2	0
02/11/2023 04:10	2	224	46	3.2	0
02/11/2023 04:20	2.3	274	22	3.7	0
02/11/2023 04:30	3	273	21	5.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/11/2023 04:40	2.7	262	28	4.4	0
02/11/2023 04:50	2.2	283	22	3.6	0
02/11/2023 05:00	2.2	291	23	3.6	0
02/11/2023 05:10	2.5	287	22	4	0
02/11/2023 05:20	2.8	266	26	4.5	0
02/11/2023 05:30	3.2	275	23	5.2	0
02/11/2023 05:40	3.1	278	22	5.5	0
02/11/2023 05:50	3.4	279	25	5.3	0
02/11/2023 06:00	3.1	283	21	4.5	0
02/11/2023 06:10	3.7	282	23	5.4	0
02/11/2023 06:20	3.3	280	22	5.7	0
02/11/2023 06:30	3.8	282	16	5.6	0
02/11/2023 06:40	3.5	277	20	5.5	0
02/11/2023 06:50	3.9	279	20	5.8	0
02/11/2023 07:00	3.8	279	25	6.4	0
02/11/2023 07:10	3.8	280	23	6.5	0
02/11/2023 07:20	3.8	274	23	6.2	0
02/11/2023 07:30	4.1	271	24	6.7	0
02/11/2023 07:40	4.3	266	22	7.2	0
02/11/2023 07:50	3.8	269	22	6.6	0
02/11/2023 08:00	4.5	271	21	7.3	0
02/11/2023 08:10	4.8	270	21	7.3	0
02/11/2023 08:20	4.8	268	23	8.7	0
02/11/2023 08:30	4.9	275	22	8.2	0
02/11/2023 08:40	4.5	273	24	7.9	0
02/11/2023 08:50	5.2	269	24	8.2	0
02/11/2023 09:00	4.9	272	25	7.7	0
02/11/2023 09:10	5.1	276	24	7.9	0
02/11/2023 09:20	5.2	264	30	8.7	0
02/11/2023 09:30	5.2	269	27	8.3	0
02/11/2023 09:40	4.2	267	35	7.8	0
02/11/2023 09:50	5	268	31	7.5	0
02/11/2023 10:00	4.6	266	38	9.1	0
02/11/2023 10:10	4.7	268	33	8.4	0
02/11/2023 10:20	4.5	262	41	8	0
02/11/2023 10:30	5	267	34	9	0
02/11/2023 10:40	5.2	271	29	8	0
02/11/2023 10:50	4.3	269	38	7.9	0
02/11/2023 11:00	4.6	271	26	7.2	0
02/11/2023 11:10	5	273	22	7.3	0
02/11/2023 11:20	4.4	269	29	7.4	0
02/11/2023 11:30	4.3	259	32	7.8	0
02/11/2023 11:40	3.9	255	39	7.7	0
02/11/2023 11:50	4	257	34	6.7	0
02/11/2023 12:00	4.4	269	27	7.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/11/2023 12:10	3.9	262	32	7	0
02/11/2023 12:20	4.2	264	36	8.2	0
02/11/2023 12:30	4.5	274	28	7.4	0
02/11/2023 12:40	3.7	250	36	7.2	0
02/11/2023 12:50	4.4	270	29	6.9	0
02/11/2023 13:00	4.8	274	25	8	0
02/11/2023 13:10	5.1	270	23	8.1	0
02/11/2023 13:20	5.7	275	22	8.7	0
02/11/2023 13:30	4.6	268	25	8.4	0
02/11/2023 13:40	5	273	21	7.8	0
02/11/2023 13:50	5.3	273	23	7.6	0
02/11/2023 14:00	4.9	279	25	7.5	0
02/11/2023 14:10	4.9	275	28	8.9	0
02/11/2023 14:20	5.1	278	24	8.1	0
02/11/2023 14:30	4.8	275	22	7.3	0
02/11/2023 14:40	4.8	276	23	7.5	0
02/11/2023 14:50	4.9	279	27	7.5	0
02/11/2023 15:00	4.8	280	24	7.9	0
02/11/2023 15:10	4.8	278	23	7.9	0
02/11/2023 15:20	5.1	277	23	8.3	0
02/11/2023 15:30	4.9	269	25	8	0
02/11/2023 15:40	5.5	275	20	9	0
02/11/2023 15:50	5.1	271	23	8.3	0
02/11/2023 16:00	4.5	271	32	7.5	0
02/11/2023 16:10	4.7	274	24	7.9	0
02/11/2023 16:20	4.6	269	25	7.2	0
02/11/2023 16:30	4.6	271	27	7.5	0
02/11/2023 16:40	4.3	262	33	7.5	0
02/11/2023 16:50	4	261	35	7.9	0
02/11/2023 17:00	4.8	265	30	7.7	0
02/11/2023 17:10	3.6	259	38	6.2	0
02/11/2023 17:20	3.9	271	34	6.5	0
02/11/2023 17:30	3.8	267	28	6.8	0
02/11/2023 17:40	2.6	235	52	5	0
02/11/2023 17:50	3	212	33	6.8	0
02/11/2023 18:00	2.9	231	40	5	0
02/11/2023 18:10	2.5	232	53	4.7	0
02/11/2023 18:20	3.1	223	39	5.6	0
02/11/2023 18:30	3.4	221	34	6.2	0
02/11/2023 18:40	3.3	225	32	5.2	0
02/11/2023 18:50	2.8	276	24	4.8	0
02/11/2023 19:00	2.2	264	35	3.9	0
02/11/2023 19:10	2.3	280	20	3.8	0
02/11/2023 19:20	2.2	266	31	4	0
02/11/2023 19:30	1.6	263	44	3.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/11/2023 19:40	2.2	261	31	3.5	0
02/11/2023 19:50	2.3	264	46	4.4	0
02/11/2023 20:00	2.6	261	42	4.8	0
02/11/2023 20:10	2.3	249	47	4.7	0
02/11/2023 20:20	3	269	40	5.9	0
02/11/2023 20:30	2.7	250	47	5.4	0
02/11/2023 20:40	3	228	39	5.1	0
02/11/2023 20:50	2.4	240	56	4.7	0
02/11/2023 21:00	3	252	49	6.4	0
02/11/2023 21:10	2.8	279	40	4.8	0
02/11/2023 21:20	2.9	259	36	5.1	0
02/11/2023 21:30	2.7	265	34	4.6	0
02/11/2023 21:40	2.8	272	36	4.9	0
02/11/2023 21:50	2.3	249	38	4.4	0
02/11/2023 22:00	2.2	235	62	3.9	0
02/11/2023 22:10	2.5	261	43	4.8	0
02/11/2023 22:20	2.6	258	42	4.7	0
02/11/2023 22:30	2.5	263	36	4.3	0
02/11/2023 22:40	2.3	264	35	4	0
02/11/2023 22:50	1.8	233	49	3.1	0
02/11/2023 23:00	2.1	210	34	3.5	0
02/11/2023 23:10	2.7	199	23	5	0
02/11/2023 23:20	2.9	207	24	5.3	0
02/11/2023 23:30	2.6	209	31	4.8	0
02/11/2023 23:40	2.2	219	44	4.1	0
02/11/2023 23:50	2.2	237	30	3.6	0
02/12/2023 00:00	1.5	225	51	2.9	0
02/12/2023 00:10	1.7	253	46	3.4	0
02/12/2023 00:20	1.6	225	44	3.1	0
02/12/2023 00:30	2	231	37	3.7	0
02/12/2023 00:40	1.8	227	32	4	0
02/12/2023 00:50	2	245	36	3.4	0
02/12/2023 01:00	1.9	262	43	3.3	0
02/12/2023 01:10	1.9	217	33	3.5	0
02/12/2023 01:20	1.9	210	36	3.7	0
02/12/2023 01:30	1.5	227	61	3.1	0
02/12/2023 01:40	1.6	223	44	3	0
02/12/2023 01:50	1.9	236	44	4	0
02/12/2023 02:00	1.8	224	45	3.3	0
02/12/2023 02:10	1.9	243	43	3.8	0
02/12/2023 02:20	2	228	40	4	0
02/12/2023 02:30	2	245	41	3.6	0
02/12/2023 02:40	1.5	255	43	2.5	0
02/12/2023 02:50	1.6	241	48	3.2	0
02/12/2023 03:00	1.5	262	46	2.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/12/2023 03:10	1.5	234	57	2.7	0
02/12/2023 03:20	1.6	241	39	3.6	0
02/12/2023 03:30	1.8	248	39	3.2	0
02/12/2023 03:40	1.5	228	60	2.8	0
02/12/2023 03:50	1.6	228	55	2.8	0
02/12/2023 04:00	1.4	190	41	2.6	0
02/12/2023 04:10	1.4	212	44	2.6	0
02/12/2023 04:20	1.2	237	60	2.1	0
02/12/2023 04:30	2	213	35	3.9	0
02/12/2023 04:40	1.8	223	50	3.2	0
02/12/2023 04:50	1.7	234	51	3.2	0
02/12/2023 05:00	1.9	232	49	3.7	0
02/12/2023 05:10	1.6	224	44	3.2	0
02/12/2023 05:20	2	236	45	3.2	0
02/12/2023 05:30	1.6	254	55	3.1	0
02/12/2023 05:40	1.5	257	71	3.4	0
02/12/2023 05:50	2.1	256	37	4.2	0
02/12/2023 06:00	1.7	227	60	3	0
02/12/2023 06:10	1.3	195	74	2.8	0
02/12/2023 06:20	1.5	214	58	2.8	0
02/12/2023 06:30	2.1	238	49	3.8	0
02/12/2023 06:40	1.6	204	45	2.8	0
02/12/2023 06:50	1.7	214	44	3	0
02/12/2023 07:00	1.9	225	45	4.1	0
02/12/2023 07:10	1.9	235	50	3.5	0
02/12/2023 07:20	2	214	43	3.8	0
02/12/2023 07:30	2.2	237	32	4.8	0
02/12/2023 07:40	2.3	232	45	4.4	0
02/12/2023 07:50	2.2	206	47	4.2	0
02/12/2023 08:00	2.9	210	31	5.2	0
02/12/2023 08:10	2.7	211	38	4.8	0
02/12/2023 08:20	2.8	217	37	5.2	0
02/12/2023 08:30	2.9	213	41	5.4	0
02/12/2023 08:40	3.6	216	32	6.8	0
02/12/2023 08:50	2.7	224	51	4.8	0
02/12/2023 09:00	2.6	228	42	5.4	0
02/12/2023 09:10	3.1	221	37	5.5	0
02/12/2023 09:20	3.3	211	32	6	0
02/12/2023 09:30	3.7	198	22	5.8	0
02/12/2023 09:40	4.2	205	22	6.4	0
02/12/2023 09:50	3.5	204	23	6.3	0
02/12/2023 10:00	3.7	196	20	5.7	0
02/12/2023 10:10	2.7	221	40	4.8	0
02/12/2023 10:20	3.2	225	33	5.4	0
02/12/2023 10:30	2.7	239	47	4.8	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/12/2023 10:40	3	224	40	5.7	0
02/12/2023 10:50	3.5	228	36	6.4	0
02/12/2023 11:00	4.3	277	23	6.4	0
02/12/2023 11:10	4.3	281	22	6.8	0
02/12/2023 11:20	4	266	21	5.8	0
02/12/2023 11:30	4.5	289	24	7	0
02/12/2023 11:40	5	289	19	7.3	0
02/12/2023 11:50	4.7	282	23	7.5	0
02/12/2023 12:00	4.9	280	19	6.7	0
02/12/2023 12:10	4.4	278	21	7.5	0
02/12/2023 12:20	4.7	271	20	7.3	0
02/12/2023 12:30	4.9	274	20	7.5	0
02/12/2023 12:40	4.9	282	20	7.4	0
02/12/2023 12:50	4.8	284	25	7.8	0
02/12/2023 13:00	4.9	280	22	7.3	0
02/12/2023 13:10	4.7	276	21	6.9	0
02/12/2023 13:20	4.4	271	28	6.9	0
02/12/2023 13:30	4.7	265	26	7	0
02/12/2023 13:40	5.1	282	20	7.6	0
02/12/2023 13:50	4.5	262	27	7.4	0
02/12/2023 14:00	4.2	268	22	7.1	0
02/12/2023 14:10	4.3	273	23	6.4	0
02/12/2023 14:20	4.2	270	33	6.4	0
02/12/2023 14:30	4.8	272	19	6.8	0
02/12/2023 14:40	4.4	269	24	7.5	0
02/12/2023 14:50	4.6	276	21	6.7	0
02/12/2023 15:00	4.7	274	23	7.2	0
02/12/2023 15:10	4.1	266	30	6.5	0
02/12/2023 15:20	4.8	271	18	7.2	0
02/12/2023 15:30	5.4	271	19	7.7	0
02/12/2023 15:40	5	266	24	7.4	0
02/12/2023 15:50	4.6	275	21	6.8	0
02/12/2023 16:00	4.3	272	17	6.6	0
02/12/2023 16:10	4.9	281	18	7.1	0
02/12/2023 16:20	4.2	277	23	6.7	0
02/12/2023 16:30	4.4	274	23	6.7	0
02/12/2023 16:40	4.5	269	21	6.9	0
02/12/2023 16:50	4.5	265	17	6.8	0
02/12/2023 17:00	4.3	272	17	6.6	0
02/12/2023 17:10	4.6	275	17	7	0
02/12/2023 17:20	4.4	272	23	7.5	0
02/12/2023 17:30	4.7	275	20	7.2	0
02/12/2023 17:40	4.3	275	27	6.8	0
02/12/2023 17:50	4.9	273	20	7.7	0
02/12/2023 18:00	4.9	273	22	6.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/12/2023 18:10	5	273	19	7.7	0
02/12/2023 18:20	4.6	282	17	6.5	0
02/12/2023 18:30	4.4	278	23	6.6	0
02/12/2023 18:40	4	275	26	6.5	0
02/12/2023 18:50	3.6	283	21	5.6	0
02/12/2023 19:00	3.2	319	28	5.2	0
02/12/2023 19:10	2.2	173	37	3.7	0
02/12/2023 19:20	2.4	177	35	4.3	0
02/12/2023 19:30	2.1	159	28	3.2	0
02/12/2023 19:40	1.5	46	32	2.7	0
02/12/2023 19:50	1.6	326	14	2.4	0
02/12/2023 20:00	2.7	287	19	3.9	0
02/12/2023 20:10	3.2	272	20	4.7	0
02/12/2023 20:20	3.4	274	20	5.6	0
02/12/2023 20:30	3.4	271	23	5.4	0
02/12/2023 20:40	4.2	264	24	6.2	0
02/12/2023 20:50	3.4	256	34	6	0
02/12/2023 21:00	2.7	259	53	6.2	0
02/12/2023 21:10	2.9	257	45	5.1	0
02/12/2023 21:20	3.5	268	31	6.6	0
02/12/2023 21:30	3.5	274	24	6.3	0
02/12/2023 21:40	3.2	269	29	5.1	0
02/12/2023 21:50	2.7	276	29	5.6	0
02/12/2023 22:00	3	258	31	5	0
02/12/2023 22:10	3.1	258	36	6	0
02/12/2023 22:20	2.7	254	42	4.6	0
02/12/2023 22:30	2.1	239	51	4.2	0
02/12/2023 22:40	3.1	258	36	5.5	0
02/12/2023 22:50	2.1	278	52	3.8	0
02/12/2023 23:00	3.3	271	24	5	0
02/12/2023 23:10	3.1	272	26	5.9	0
02/12/2023 23:20	2.6	262	49	5.2	0
02/12/2023 23:30	2.5	270	55	5.2	0
02/12/2023 23:40	2.6	257	50	5.1	0
02/12/2023 23:50	2.3	260	50	5.7	0
13/02/2023 00:00	2.7	268	44	4.7	0
13/02/2023 00:10	2.7	256	44	5.2	0
13/02/2023 00:20	2.8	268	43	5.2	0
13/02/2023 00:30	2.8	250	37	5.2	0
13/02/2023 00:40	3.1	274	27	5	0
13/02/2023 00:50	2.4	260	42	4.5	0
13/02/2023 01:00	3.2	270	23	4.9	0
13/02/2023 01:10	3.4	270	22	5.8	0
13/02/2023 01:20	2.8	253	42	5.2	0
13/02/2023 01:30	2.4	273	37	4.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/02/2023 01:40	2.8	267	48	5.1	0
13/02/2023 01:50	3.1	275	26	5.4	0
13/02/2023 02:00	3	265	44	5.4	0
13/02/2023 02:10	3.3	274	27	5.6	0
13/02/2023 02:20	3	268	34	5.5	0
13/02/2023 02:30	2.4	251	45	4.2	0
13/02/2023 02:40	2.9	262	35	5.2	0
13/02/2023 02:50	2.1	234	55	5.2	0
13/02/2023 03:00	2.2	264	41	5.2	0
13/02/2023 03:10	3	266	32	5.2	0
13/02/2023 03:20	2.9	254	48	5.8	0
13/02/2023 03:30	2.7	252	34	5.1	0
13/02/2023 03:40	2.4	243	48	4.6	0
13/02/2023 03:50	2.6	238	41	4.8	0
13/02/2023 04:00	2.1	213	55	4.5	0
13/02/2023 04:10	2.5	255	50	5.1	0
13/02/2023 04:20	2.5	257	43	4.5	0
13/02/2023 04:30	1.4	234	80	2.8	0
13/02/2023 04:40	1.3	221	71	2.6	0
13/02/2023 04:50	1.4	234	56	3.1	0
13/02/2023 05:00	1.5	253	39	2.7	0
13/02/2023 05:10	1.5	245	33	2.7	0
13/02/2023 05:20	1.3	268	48	2.8	0
13/02/2023 05:30	1.4	192	38	2.7	0
13/02/2023 05:40	1.4	151	24	2.3	0
13/02/2023 05:50	1.6	125	18	2.2	0
13/02/2023 06:00	1.2	148	20	2	0
13/02/2023 06:10	0.9	258	58	1.7	0
13/02/2023 06:20	1.5	172	21	2.3	0
13/02/2023 06:30	0.7	132	23	1.5	0
13/02/2023 06:40	0.8	216	20	1.5	0
13/02/2023 06:50	1.2	289	26	1.9	0
13/02/2023 07:00	1.4	285	13	2	0
13/02/2023 07:10	1.6	274	18	2.4	0
13/02/2023 07:20	1.5	272	43	2.2	0
13/02/2023 07:30	1	222	62	1.6	0
13/02/2023 07:40	1	179	71	1.6	0
13/02/2023 07:50	1.8	74	21	2.5	0
13/02/2023 08:00	1.7	66	20	2.4	0
13/02/2023 08:10	2.1	67	20	2.7	0
13/02/2023 08:20	2.6	45	23	4.6	0
13/02/2023 08:30	3	50	16	4.5	0
13/02/2023 08:40	3.5	58	14	4.5	0
13/02/2023 08:50	3	73	16	3.9	0
13/02/2023 09:00	3	53	11	3.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/02/2023 09:10	3	56	10	3.9	0
13/02/2023 09:20	3.4	53	14	4.4	0
13/02/2023 09:30	2.7	59	13	3.5	0
13/02/2023 09:40	3.1	68	14	4	0
13/02/2023 09:50	2.4	58	19	3.7	0
13/02/2023 10:00	2.9	54	19	4.3	0
13/02/2023 10:10	2.6	56	15	4	0
13/02/2023 10:20	3.3	57	15	4.9	0
13/02/2023 10:30	4.2	55	12	5.7	0
13/02/2023 10:40	4	53	14	5.6	0
13/02/2023 10:50	3.8	59	10	4.8	0
13/02/2023 11:00	3.1	66	15	4.3	0
13/02/2023 11:10	3.5	62	17	4.8	0
13/02/2023 11:20	3.7	62	14	4.8	0
13/02/2023 11:30	3.7	54	12	4.7	0
13/02/2023 11:40	3.2	56	13	4.6	0
13/02/2023 11:50	3.7	54	13	4.7	0
13/02/2023 12:00	3.7	60	13	4.8	0
13/02/2023 12:10	3.7	60	15	4.8	0
13/02/2023 12:20	3.8	50	12	5	0
13/02/2023 12:30	3.7	54	14	4.9	0
13/02/2023 12:40	2.6	189	36	4.1	0
13/02/2023 12:50	2.2	212	28	3.3	0
13/02/2023 13:00	2.2	59	16	3.6	0
13/02/2023 13:10	3.3	59	16	4.6	0
13/02/2023 13:20	3.2	10	22	4.8	0
13/02/2023 13:30	4	338	15	5.5	0
13/02/2023 13:40	3.3	341	16	5.2	0
13/02/2023 13:50	3.6	340	20	5.6	0
13/02/2023 14:00	3.1	325	26	4.5	0
13/02/2023 14:10	3.3	177	24	4.8	0
13/02/2023 14:20	3.5	178	19	5.3	0
13/02/2023 14:30	3.4	351	22	5.6	0
13/02/2023 14:40	4.6	340	16	6.3	0
13/02/2023 14:50	4	176	18	5.5	0
13/02/2023 15:00	4.2	346	19	5.9	0
13/02/2023 15:10	4.1	347	17	6	0
13/02/2023 15:20	4.4	350	21	6.5	0
13/02/2023 15:30	5.2	339	11	7.1	0
13/02/2023 15:40	4.8	344	12	6.3	0
13/02/2023 15:50	4.1	331	12	6	0
13/02/2023 16:00	4.2	330	14	6	0
13/02/2023 16:10	4.1	338	18	6.1	0
13/02/2023 16:20	4.2	331	14	6.4	0
13/02/2023 16:30	3.9	329	15	5.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/02/2023 16:40	3.3	326	18	5.1	0
13/02/2023 16:50	2.7	320	27	4.3	0
13/02/2023 17:00	2.3	332	33	4.3	0
13/02/2023 17:10	3.1	331	17	4.5	0
13/02/2023 17:20	3.3	330	13	4.8	0
13/02/2023 17:30	2.6	305	24	4	0
13/02/2023 17:40	3.2	313	17	4.6	0
13/02/2023 17:50	3.2	313	16	4.5	0
13/02/2023 18:00	3.2	298	24	5.2	0
13/02/2023 18:10	2.1	293	31	3.3	0
13/02/2023 18:20	2.1	318	24	3.1	0
13/02/2023 18:30	2.5	341	15	3.2	0
13/02/2023 18:40	2.2	334	17	3.4	0
13/02/2023 18:50	2	326	18	2.8	0
13/02/2023 19:00	1.8	301	21	2.6	0
13/02/2023 19:10	1.4	303	37	2.3	0
13/02/2023 19:20	1.4	339	11	2	0
13/02/2023 19:30	1.8	251	28	3.4	0
13/02/2023 19:40	1.6	211	36	3.2	0
13/02/2023 19:50	1.4	9	23	2.4	0
13/02/2023 20:00	1.9	176	17	2.8	0
13/02/2023 20:10	1.2	302	27	2.1	0
13/02/2023 20:20	1.6	268	19	2.4	0
13/02/2023 20:30	1.9	282	22	2.8	0
13/02/2023 20:40	2	251	26	3.2	0
13/02/2023 20:50	3.6	204	20	5.8	0
13/02/2023 21:00	3.5	218	34	5.9	0
13/02/2023 21:10	5.6	197	13	7.9	0
13/02/2023 21:20	5	198	13	7.2	0
13/02/2023 21:30	3.8	202	18	6.6	0
13/02/2023 21:40	3.3	202	22	5	0
13/02/2023 21:50	2.9	203	20	4.7	0
13/02/2023 22:00	1.3	170	70	3	0
13/02/2023 22:10	1.9	202	42	3.7	0
13/02/2023 22:20	1.8	187	44	2.7	0
13/02/2023 22:30	1.5	203	48	3.3	0
13/02/2023 22:40	2	166	40	3.8	0
13/02/2023 22:50	2.1	186	39	4	0
13/02/2023 23:00	1.4	177	51	2.6	0
13/02/2023 23:10	1.4	112	55	2.8	0
13/02/2023 23:20	1.8	146	39	3.6	0
13/02/2023 23:30	1.1	127	70	2.6	0
13/02/2023 23:40	1.8	147	41	3.4	0
13/02/2023 23:50	1.2	150	47	2.7	0
14/02/2023 00:00	2	122	27	3.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/02/2023 00:10	1.9	119	33	3.6	0
14/02/2023 00:20	1.8	121	27	3.1	0
14/02/2023 00:30	1.9	115	25	2.8	0
14/02/2023 00:40	2	151	25	2.9	0
14/02/2023 00:50	1.6	167	33	2.4	0
14/02/2023 01:00	2	196	24	3.2	0
14/02/2023 01:10	2.2	212	24	4	0
14/02/2023 01:20	2.8	203	16	4	0
14/02/2023 01:30	2.4	195	16	3.7	0
14/02/2023 01:40	2.9	194	11	3.9	0
14/02/2023 01:50	2.3	208	24	3.3	0
14/02/2023 02:00	1.2	294	15	2	0
14/02/2023 02:10	1.1	280	10	1.7	0
14/02/2023 02:20	1.4	220	18	2.2	0
14/02/2023 02:30	1	220	30	1.5	0
14/02/2023 02:40	1.5	303	7	2	0
14/02/2023 02:50	0.2	223	8	0.8	0
14/02/2023 03:00	0.4	231	6	1	0
14/02/2023 03:10	1.1	345	4	1.5	0
14/02/2023 03:20	0.5	170	11	1	0
14/02/2023 03:30	0.9	132	12	1.2	0
14/02/2023 03:40	1.7	110	9	2.3	0
14/02/2023 03:50	2	114	17	3.3	0
14/02/2023 04:00	2.6	140	25	4.7	0
14/02/2023 04:10	3.2	131	27	5.6	0
14/02/2023 04:20	2.6	126	27	4.4	0
14/02/2023 04:30	2.6	120	24	4.7	0
14/02/2023 04:40	2.1	120	29	3.2	0
14/02/2023 04:50	2.6	113	18	3.7	0
14/02/2023 05:00	2.3	99	18	3.6	0
14/02/2023 05:10	2.1	105	20	3.2	0
14/02/2023 05:20	2.1	92	19	2.9	0
14/02/2023 05:30	2.3	111	21	3.2	0
14/02/2023 05:40	2.7	109	15	4.3	0
14/02/2023 05:50	2.9	117	15	4.2	0
14/02/2023 06:00	2.6	113	15	3.8	0
14/02/2023 06:10	2.5	101	17	3.8	0
14/02/2023 06:20	2.6	90	13	3.4	0
14/02/2023 06:30	2.7	88	12	3.6	0
14/02/2023 06:40	2.6	82	13	3.6	0
14/02/2023 06:50	2.8	78	12	3.9	0
14/02/2023 07:00	2.9	74	12	4	0
14/02/2023 07:10	2.8	69	14	4	0
14/02/2023 07:20	2.8	64	13	4	0
14/02/2023 07:30	2.5	68	14	3.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/02/2023 07:40	2.8	69	14	4	0
14/02/2023 07:50	2.8	67	12	4.4	0
14/02/2023 08:00	3.1	68	13	4	0
14/02/2023 08:10	3.5	63	12	5	0
14/02/2023 08:20	4	61	10	5.2	0
14/02/2023 08:30	4.3	59	10	5.5	0
14/02/2023 08:40	4.4	60	9	5.6	0
14/02/2023 08:50	4.3	57	10	6	0
14/02/2023 09:00	4.6	58	11	6.1	0
14/02/2023 09:10	4.5	61	10	6.1	0
14/02/2023 09:20	4.6	52	11	6.4	0
14/02/2023 09:30	5	47	13	6.7	0
14/02/2023 09:40	4.9	47	12	6.7	0
14/02/2023 09:50	5.3	44	13	7.2	0
14/02/2023 10:00	5.5	43	10	7.6	0
14/02/2023 10:10	5.5	43	12	7.4	0
14/02/2023 10:20	5.2	48	12	6.9	0
14/02/2023 10:30	4.8	46	12	6.4	0
14/02/2023 10:40	5.4	42	14	6.8	0
14/02/2023 10:50	4.8	45	13	6.4	0
14/02/2023 11:00	4.7	43	15	6.5	0
14/02/2023 11:10	4.7	45	13	6.2	0
14/02/2023 11:20	4.5	45	14	5.7	0
14/02/2023 11:30	4.5	46	13	6	0
14/02/2023 11:40	4.5	50	14	6.2	0
14/02/2023 11:50	4.5	50	13	6.2	0
14/02/2023 12:00	4.8	44	12	6.3	0
14/02/2023 12:10	5.3	45	11	6.7	0
14/02/2023 12:20	4.4	44	14	5.9	0
14/02/2023 12:30	4.6	41	14	6.8	0
14/02/2023 12:40	4.5	42	14	6	0
14/02/2023 12:50	4.2	45	12	6	0
14/02/2023 13:00	3.2	185	40	4.9	0
14/02/2023 13:10	3.3	281	29	5.2	0
14/02/2023 13:20	3.2	283	43	6.5	0
14/02/2023 13:30	3	259	34	5	0
14/02/2023 13:40	3.4	277	28	6.1	0
14/02/2023 13:50	3	286	26	5	0
14/02/2023 14:00	4.1	294	27	6	0
14/02/2023 14:10	3.5	319	22	5.6	0
14/02/2023 14:20	3.9	321	19	6	0
14/02/2023 14:30	3.5	291	31	6	0
14/02/2023 14:40	3.6	306	24	6.1	0
14/02/2023 14:50	4.2	320	18	6.4	0
14/02/2023 15:00	4.2	320	21	6.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/02/2023 15:10	4.6	326	13	6.4	0
14/02/2023 15:20	4.2	298	22	6	0
14/02/2023 15:30	3.7	300	20	5.5	0
14/02/2023 15:40	3.6	299	28	5.5	0
14/02/2023 15:50	3.8	284	29	6.2	0
14/02/2023 16:00	3.7	280	24	6.4	0
14/02/2023 16:10	4	294	19	6.9	0
14/02/2023 16:20	3.2	292	28	5.6	0
14/02/2023 16:30	3.5	287	28	5.1	0
14/02/2023 16:40	3.6	281	23	5.6	0
14/02/2023 16:50	3.4	289	28	5.2	0
14/02/2023 17:00	3.4	272	25	5.3	0
14/02/2023 17:10	3.7	288	23	6.1	0
14/02/2023 17:20	3.7	281	20	5.3	0
14/02/2023 17:30	3.9	284	22	5.9	0
14/02/2023 17:40	3.4	268	27	5.3	0
14/02/2023 17:50	3.7	271	21	6	0
14/02/2023 18:00	3.4	278	21	5.6	0
14/02/2023 18:10	3.1	275	28	5.6	0
14/02/2023 18:20	3.3	270	29	5	0
14/02/2023 18:30	2.9	269	31	4.8	0
14/02/2023 18:40	2.8	267	36	4.6	0
14/02/2023 18:50	2.4	262	41	4	0
14/02/2023 19:00	2.7	269	29	4.8	0
14/02/2023 19:10	2.5	269	29	4.2	0
14/02/2023 19:20	3.3	271	24	5.6	0
14/02/2023 19:30	3.2	271	28	5.4	0
14/02/2023 19:40	3.3	270	27	5.6	0
14/02/2023 19:50	2.6	272	36	4.8	0
14/02/2023 20:00	2.7	273	26	4.5	0
14/02/2023 20:10	2.8	274	32	4.8	0
14/02/2023 20:20	2.2	264	35	4	0
14/02/2023 20:30	2.4	266	32	4.2	0
14/02/2023 20:40	2.1	225	49	4.5	0
14/02/2023 20:50	2	209	38	3.9	0
14/02/2023 21:00	2.5	201	29	4.1	0
14/02/2023 21:10	4	194	16	5.7	0
14/02/2023 21:20	3.3	205	19	4.8	0
14/02/2023 21:30	3.8	209	18	5.5	0
14/02/2023 21:40	2.6	207	29	4.3	0
14/02/2023 21:50	2	221	28	3.6	0
14/02/2023 22:00	1.2	228	55	2.1	0
14/02/2023 22:10	1.2	233	54	2.2	0
14/02/2023 22:20	1.4	270	26	2.5	0
14/02/2023 22:30	1.2	265	47	2.3	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/02/2023 22:40	1.6	251	32	2.9	0
14/02/2023 22:50	1.9	241	26	3.3	0
14/02/2023 23:00	1.1	252	49	2.6	0
14/02/2023 23:10	1.9	289	19	3	0
14/02/2023 23:20	2.3	281	17	3.2	0
14/02/2023 23:30	2.2	279	16	3.6	0
14/02/2023 23:40	1.8	248	40	2.9	0
14/02/2023 23:50	1.9	276	24	3.6	0
15/02/2023 00:00	1.7	266	35	2.8	0
15/02/2023 00:10	1	233	47	1.7	0
15/02/2023 00:20	1.4	252	52	2.5	0
15/02/2023 00:30	1.4	274	29	2.2	0
15/02/2023 00:40	1.4	280	24	2.3	0
15/02/2023 00:50	1	277	69	2.2	0
15/02/2023 01:00	1.9	273	33	3.5	0
15/02/2023 01:10	1.2	263	53	2.1	0
15/02/2023 01:20	1.3	272	37	2.3	0
15/02/2023 01:30	1	251	51	2	0
15/02/2023 01:40	1.3	276	29	2	0
15/02/2023 01:50	1.1	250	53	2	0
15/02/2023 02:00	1.2	277	21	2	0
15/02/2023 02:10	1.1	212	41	1.9	0
15/02/2023 02:20	0.4	335	48	1.3	0
15/02/2023 02:30	1.3	274	41	2.1	0
15/02/2023 02:40	0.8	295	60	1.7	0
15/02/2023 02:50	1	272	43	1.9	0
15/02/2023 03:00	0.3	188	23	1.1	0
15/02/2023 03:10	1	252	47	2	0
15/02/2023 03:20	1.3	279	32	2	0
15/02/2023 03:30	1.3	274	36	2.4	0
15/02/2023 03:40	1.2	281	38	1.9	0
15/02/2023 03:50	0.6	224	46	1.2	0
15/02/2023 04:00	0.6	284	69	1.2	0
15/02/2023 04:10	0.7	318	32	1.5	0
15/02/2023 04:20	1.2	268	42	2	0
15/02/2023 04:30	1.2	190	37	2.2	0
15/02/2023 04:40	0.9	188	44	1.6	0
15/02/2023 04:50	1.1	211	48	2.3	0
15/02/2023 05:00	1.2	180	46	2.3	0
15/02/2023 05:10	1.1	238	46	2.2	0
15/02/2023 05:20	0.9	260	40	2.1	0
15/02/2023 05:30	0.6	160	32	1.2	0
15/02/2023 05:40	1.1	308	27	2.1	0
15/02/2023 05:50	1.6	299	13	2	0
15/02/2023 06:00	1.4	291	23	2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/02/2023 06:10	1	279	47	1.8	0
15/02/2023 06:20	0.9	214	36	1.6	0
15/02/2023 06:30	1.2	202	48	2.1	0
15/02/2023 06:40	1.2	180	36	2.1	0
15/02/2023 06:50	1.3	207	38	2.3	0
15/02/2023 07:00	2.1	201	26	3.5	0
15/02/2023 07:10	2.1	197	28	3.6	0
15/02/2023 07:20	1.6	199	30	2.4	0
15/02/2023 07:30	1.6	217	40	2.9	0
15/02/2023 07:40	1.7	208	39	3.3	0
15/02/2023 07:50	1.7	234	44	3.7	0
15/02/2023 08:00	2.1	227	46	3.6	0
15/02/2023 08:10	2.3	254	40	4.6	0
15/02/2023 08:20	2.5	254	36	4	0
15/02/2023 08:30	2.4	225	40	3.6	0
15/02/2023 08:40	2.5	213	39	4.5	0
15/02/2023 08:50	2.8	262	29	4.8	0
15/02/2023 09:00	2.4	256	38	4.4	0
15/02/2023 09:10	2.3	272	31	3.7	0
15/02/2023 09:20	2.1	223	44	3.9	0
15/02/2023 09:30	2.2	203	44	4.1	0
15/02/2023 09:40	2.6	210	33	5	0
15/02/2023 09:50	2.6	241	29	4.5	0
15/02/2023 10:00	2.3	252	30	3.7	0
15/02/2023 10:10	2.4	279	51	4.5	0
15/02/2023 10:20	2.6	292	28	4.2	0
15/02/2023 10:30	2.7	290	20	4.4	0
15/02/2023 10:40	2.3	267	42	4	0
15/02/2023 10:50	1.9	293	46	3.6	0
15/02/2023 11:00	2.7	90	46	4.6	0
15/02/2023 11:10	3.5	181	39	5.7	0
15/02/2023 11:20	2.6	279	37	4.6	0
15/02/2023 11:30	4	323	15	6	0
15/02/2023 11:40	4.2	327	15	5.7	0
15/02/2023 11:50	4.6	325	16	7	0
15/02/2023 12:00	4.6	321	15	6.9	0
15/02/2023 12:10	5.2	336	18	7	0
15/02/2023 12:20	4.1	321	25	6	0
15/02/2023 12:30	3.8	298	29	6	0
15/02/2023 12:40	4	290	20	6.4	0
15/02/2023 12:50	4	287	22	6	0
15/02/2023 13:00	4.2	293	21	6.4	0
15/02/2023 13:10	4.2	290	26	6.4	0
15/02/2023 13:20	4	298	25	6.9	0
15/02/2023 13:30	4.6	318	22	7.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/02/2023 13:40	4.7	309	19	7.3	0
15/02/2023 13:50	4.6	305	18	6.9	0
15/02/2023 14:00	4.2	283	25	7.2	0
15/02/2023 14:10	4.3	280	26	6.6	0
15/02/2023 14:20	4.2	280	25	6.6	0
15/02/2023 14:30	4.7	271	21	7.2	0
15/02/2023 14:40	4.2	279	24	6.9	0
15/02/2023 14:50	5	276	22	8.2	0
15/02/2023 15:00	4.9	275	26	8	0
15/02/2023 15:10	4.3	269	28	7.7	0
15/02/2023 15:20	4.5	265	27	7.9	0
15/02/2023 15:30	4.1	278	27	6.9	0
15/02/2023 15:40	4.9	273	21	7.7	0
15/02/2023 15:50	4.6	271	28	6.7	0
15/02/2023 16:00	4.9	272	27	7.7	0
15/02/2023 16:10	4.7	270	24	7.9	0
15/02/2023 16:20	5.1	265	31	8.3	0
15/02/2023 16:30	5.1	275	28	9	0
15/02/2023 16:40	5.3	269	24	8	0
15/02/2023 16:50	5.1	274	22	7.9	0
15/02/2023 17:00	4.6	265	25	7.2	0
15/02/2023 17:10	4.3	275	26	6.8	0
15/02/2023 17:20	5	273	21	7.8	0
15/02/2023 17:30	5.2	272	19	7.5	0
15/02/2023 17:40	5	272	19	7.7	0
15/02/2023 17:50	4.7	275	19	7.2	0
15/02/2023 18:00	4.7	280	21	7.4	0
15/02/2023 18:10	4.7	272	21	7.7	0
15/02/2023 18:20	3.9	261	34	7.2	0
15/02/2023 18:30	3.9	263	37	7	0
15/02/2023 18:40	3.8	269	34	6.6	0
15/02/2023 18:50	3.3	258	32	6.1	0
15/02/2023 19:00	3.3	266	33	6.8	0
15/02/2023 19:10	3.4	265	39	5.9	0
15/02/2023 19:20	3.1	272	40	5.9	0
15/02/2023 19:30	3.5	263	35	6.8	0
15/02/2023 19:40	2.6	261	42	5.2	0
15/02/2023 19:50	3.3	259	30	6.2	0
15/02/2023 20:00	2.9	256	41	5.4	0
15/02/2023 20:10	2.7	252	42	5.3	0
15/02/2023 20:20	2.8	254	43	6.4	0
15/02/2023 20:30	2.7	252	47	5.9	0
15/02/2023 20:40	2.7	253	48	5.5	0
15/02/2023 20:50	2.4	268	46	5.6	0
15/02/2023 21:00	2.9	261	39	5.5	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/02/2023 21:10	2.4	258	55	4.8	0
15/02/2023 21:20	2.4	230	55	4.6	0
15/02/2023 21:30	1.9	243	50	4.4	0
15/02/2023 21:40	3.2	257	26	5.6	0
15/02/2023 21:50	2	240	61	4.1	0
15/02/2023 22:00	2.3	256	48	4.3	0
15/02/2023 22:10	2.4	246	48	4.3	0
15/02/2023 22:20	2.3	241	64	5.2	0
15/02/2023 22:30	2.3	215	58	4.4	0
15/02/2023 22:40	2.4	227	55	6	0
15/02/2023 22:50	2.6	221	52	5	0
15/02/2023 23:00	2.4	239	59	4.6	0
15/02/2023 23:10	2.5	241	52	4.6	0
15/02/2023 23:20	3.2	223	40	6	0
15/02/2023 23:30	2.9	222	41	5.9	0
15/02/2023 23:40	2.9	200	41	6.1	0
15/02/2023 23:50	2.6	231	51	5.2	0
16/02/2023 00:00	2.3	215	51	4.4	0
16/02/2023 00:10	2.5	234	51	4.5	0
16/02/2023 00:20	2.1	219	60	5.2	0
16/02/2023 00:30	2.5	224	45	4.9	0
16/02/2023 00:40	2.2	208	57	4.4	0
16/02/2023 00:50	3.2	225	37	6.4	0
16/02/2023 01:00	2.3	231	52	4.6	0
16/02/2023 01:10	2.2	204	48	4.2	0
16/02/2023 01:20	2.2	213	47	4.4	0
16/02/2023 01:30	2.1	236	57	4.8	0
16/02/2023 01:40	2	214	57	3.9	0
16/02/2023 01:50	1.9	222	48	3.9	0
16/02/2023 02:00	2.4	223	54	4.9	0
16/02/2023 02:10	2	218	52	3.9	0
16/02/2023 02:20	2	228	52	5	0
16/02/2023 02:30	1.9	200	43	3.5	0
16/02/2023 02:40	1.8	218	51	3.5	0
16/02/2023 02:50	1.8	232	47	3.2	0
16/02/2023 03:00	1.8	245	38	3	0
16/02/2023 03:10	1.7	251	49	3.1	0
16/02/2023 03:20	2.2	242	32	3.5	0
16/02/2023 03:30	2.5	233	29	5.2	0
16/02/2023 03:40	2.4	212	26	4	0
16/02/2023 03:50	2.4	227	29	4.2	0
16/02/2023 04:00	2.4	221	34	4.2	0
16/02/2023 04:10	2.5	223	32	4.8	0
16/02/2023 04:20	2.9	221	25	4.4	0
16/02/2023 04:30	2.6	224	29	4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/02/2023 04:40	3.1	219	23	4.8	0
16/02/2023 04:50	2.5	230	25	4.4	0
16/02/2023 05:00	2.6	237	23	4.2	0
16/02/2023 05:10	2.6	251	16	3.9	0
16/02/2023 05:20	2.6	251	20	3.9	0
16/02/2023 05:30	2.5	256	17	3.3	0
16/02/2023 05:40	2.6	257	15	3.7	0
16/02/2023 05:50	2.6	254	18	3.6	0
16/02/2023 06:00	2.5	249	20	4	0
16/02/2023 06:10	2.3	255	17	3.4	0
16/02/2023 06:20	2.5	258	10	3.3	0
16/02/2023 06:30	2.6	255	12	3.4	0
16/02/2023 06:40	2.3	251	22	3.7	0
16/02/2023 06:50	2	250	23	3.2	0
16/02/2023 07:00	1.8	243	27	3	0
16/02/2023 07:10	2	239	24	2.9	0
16/02/2023 07:20	2	226	20	3.3	0
16/02/2023 07:30	2.1	233	25	3.6	0
16/02/2023 07:40	2.2	231	25	3.3	0
16/02/2023 07:50	2.3	221	23	4	0
16/02/2023 08:00	2.7	211	23	4.4	0
16/02/2023 08:10	3.2	205	19	4.5	0
16/02/2023 08:20	3	206	21	4.4	0
16/02/2023 08:30	3.1	210	16	4.6	0
16/02/2023 08:40	3	215	15	4.3	0
16/02/2023 08:50	2.5	197	18	3.7	0
16/02/2023 09:00	2.9	205	16	4.3	0
16/02/2023 09:10	2.4	199	19	4	0
16/02/2023 09:20	2.7	193	23	3.9	0
16/02/2023 09:30	2.4	202	24	3.5	0
16/02/2023 09:40	1.9	139	30	3.2	0
16/02/2023 09:50	1.3	143	47	2.5	0
16/02/2023 10:00	1.6	142	37	2.7	0
16/02/2023 10:10	1.4	109	49	2.5	0
16/02/2023 10:20	1.6	84	54	3.2	0
16/02/2023 10:30	1.8	43	15	2.8	0
16/02/2023 10:40	1.4	42	22	2	0
16/02/2023 10:50	1.6	18	26	2.8	0
16/02/2023 11:00	1.7	41	41	2.9	0
16/02/2023 11:10	1.4	56	37	2.5	0
16/02/2023 11:20	2.7	292	35	4.4	0
16/02/2023 11:30	3.1	277	20	4.4	0
16/02/2023 11:40	3.4	274	16	4.8	0
16/02/2023 11:50	3.3	285	16	4.4	0
16/02/2023 12:00	3.3	286	22	4.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/02/2023 12:10	3.5	302	18	5.2	0
16/02/2023 12:20	3.8	300	23	5.6	0
16/02/2023 12:30	4	293	24	6.8	0
16/02/2023 12:40	4	291	20	6	0
16/02/2023 12:50	4.1	290	24	6.1	0
16/02/2023 13:00	4.4	299	23	6.3	0
16/02/2023 13:10	4.1	279	19	5.9	0
16/02/2023 13:20	4.4	271	19	6.7	0
16/02/2023 13:30	4.1	281	24	6.8	0
16/02/2023 13:40	4.2	276	21	6.6	0
16/02/2023 13:50	3.8	278	24	6.3	0
16/02/2023 14:00	4.2	283	22	6.4	0
16/02/2023 14:10	4	278	20	6.4	0
16/02/2023 14:20	4.1	271	24	7.1	0
16/02/2023 14:30	4.3	271	24	7.4	0
16/02/2023 14:40	4.3	282	23	6.8	0
16/02/2023 14:50	4.3	279	22	7.2	0
16/02/2023 15:00	4.9	278	20	7.8	0
16/02/2023 15:10	4.6	278	22	7.3	0
16/02/2023 15:20	4.5	273	25	7.2	0
16/02/2023 15:30	4.8	278	22	7.4	0
16/02/2023 15:40	4.8	286	20	7.9	0
16/02/2023 15:50	5.1	285	18	7.3	0
16/02/2023 16:00	4.5	280	22	7.4	0
16/02/2023 16:10	4.4	285	23	6.8	0
16/02/2023 16:20	4.7	282	20	7.5	0
16/02/2023 16:30	4.7	290	22	6.7	0
16/02/2023 16:40	4	283	24	7.3	0
16/02/2023 16:50	4	292	21	6.2	0
16/02/2023 17:00	3.8	273	27	7.1	0
16/02/2023 17:10	5	269	21	7.5	0
16/02/2023 17:20	3.7	264	32	6	0
16/02/2023 17:30	3.3	243	47	7.2	0
16/02/2023 17:40	4.1	265	34	6.2	0
16/02/2023 17:50	3	243	49	6.2	0
16/02/2023 18:00	3.6	252	36	6.1	0
16/02/2023 18:10	2.9	257	51	6	0
16/02/2023 18:20	2.8	251	46	5.6	0
16/02/2023 18:30	2.7	248	56	4.9	0
16/02/2023 18:40	3.5	251	43	6.9	0
16/02/2023 18:50	3.8	261	35	6.2	0
16/02/2023 19:00	3.7	257	38	7.4	0
16/02/2023 19:10	3.7	253	36	6.4	0
16/02/2023 19:20	3.3	258	39	5.9	0
16/02/2023 19:30	2.8	255	44	5.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/02/2023 19:40	2.9	257	39	5.8	0
16/02/2023 19:50	2.6	257	52	6.3	0
16/02/2023 20:00	2.9	240	46	6	0
16/02/2023 20:10	2.3	232	47	4.4	0
16/02/2023 20:20	2.6	255	41	4.4	0
16/02/2023 20:30	2.3	252	57	5.3	0
16/02/2023 20:40	2.2	246	56	4.7	0
16/02/2023 20:50	2.1	242	60	3.8	0
16/02/2023 21:00	2.5	260	60	4.4	0
16/02/2023 21:10	2.6	253	42	4.4	0
16/02/2023 21:20	1.9	247	64	3.7	0
16/02/2023 21:30	2	266	51	3.8	0
16/02/2023 21:40	2	263	56	4.3	0
16/02/2023 21:50	1.9	234	57	4.4	0
16/02/2023 22:00	1.6	230	74	2.9	0
16/02/2023 22:10	1.9	204	50	4	0
16/02/2023 22:20	2.1	205	53	3.8	0
16/02/2023 22:30	2	197	40	3.6	0
16/02/2023 22:40	2.3	199	43	4.4	0
16/02/2023 22:50	2	193	37	3.9	0
16/02/2023 23:00	1.9	202	47	3.6	0
16/02/2023 23:10	2.4	224	37	4.4	0
16/02/2023 23:20	2.1	243	42	3.9	0
16/02/2023 23:30	2.1	239	45	4.1	0
16/02/2023 23:40	2.2	240	36	3.6	0
16/02/2023 23:50	2.2	259	29	4	0
17/02/2023 00:00	2.7	241	31	4.9	0
17/02/2023 00:10	2.8	236	31	4.6	0
17/02/2023 00:20	2.9	224	31	4.8	0
17/02/2023 00:30	2.8	218	31	5	0
17/02/2023 00:40	2.7	215	36	5.2	0
17/02/2023 00:50	2.3	213	34	4.9	0
17/02/2023 01:00	2.8	222	28	4.7	0
17/02/2023 01:10	2.3	229	35	4	0
17/02/2023 01:20	2	230	42	3.6	0
17/02/2023 01:30	2.5	217	34	4.5	0
17/02/2023 01:40	2.5	218	34	4.5	0
17/02/2023 01:50	2.7	213	27	4.4	0
17/02/2023 02:00	2.7	209	21	4.6	0
17/02/2023 02:10	3.1	210	20	5.2	0
17/02/2023 02:20	2.6	210	25	4.1	0
17/02/2023 02:30	3.1	206	21	4.9	0
17/02/2023 02:40	2.9	213	26	4.5	0
17/02/2023 02:50	2.8	214	21	4.4	0
17/02/2023 03:00	3	210	18	4.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/02/2023 03:10	3.2	211	19	4.8	0
17/02/2023 03:20	3.4	214	17	5.2	0
17/02/2023 03:30	3.7	210	19	5.5	0
17/02/2023 03:40	3.6	212	21	5.3	0
17/02/2023 03:50	3.6	211	24	5.5	0
17/02/2023 04:00	4.2	209	16	6	0
17/02/2023 04:10	3.9	210	15	5.6	0
17/02/2023 04:20	4.4	203	13	5.9	0
17/02/2023 04:30	4	200	15	6	0
17/02/2023 04:40	3.7	198	15	5.2	0
17/02/2023 04:50	2.9	199	15	4.4	0
17/02/2023 05:00	3.8	198	11	5.2	0
17/02/2023 05:10	3.3	195	11	4.3	0
17/02/2023 05:20	3.3	190	16	5	0
17/02/2023 05:30	2.9	186	19	4.4	0
17/02/2023 05:40	2.5	174	22	4.2	0
17/02/2023 05:50	2.1	165	24	3.8	0
17/02/2023 06:00	2.2	172	26	3.6	0
17/02/2023 06:10	2	169	25	3.6	0
17/02/2023 06:20	1.8	181	30	3.6	0
17/02/2023 06:30	1.5	156	31	2.8	0
17/02/2023 06:40	1.7	188	27	2.8	0
17/02/2023 06:50	1.8	150	34	3.1	0
17/02/2023 07:00	1.6	164	28	3.1	0
17/02/2023 07:10	2.1	131	27	3.2	0
17/02/2023 07:20	1.7	165	33	2.7	0
17/02/2023 07:30	1.9	137	32	3.6	0
17/02/2023 07:40	2	114	26	3.3	0
17/02/2023 07:50	1.7	160	47	3.2	0
17/02/2023 08:00	2.7	137	32	4.4	0
17/02/2023 08:10	2.3	127	31	3.6	0
17/02/2023 08:20	1.6	141	58	3.1	0
17/02/2023 08:30	2.4	97	18	3.8	0
17/02/2023 08:40	2.6	101	16	4.2	0
17/02/2023 08:50	1.8	137	29	3.1	0
17/02/2023 09:00	1.9	118	39	3.1	0
17/02/2023 09:10	2	105	27	3.2	0
17/02/2023 09:20	2.4	90	19	3.6	0
17/02/2023 09:30	2.6	78	24	3.8	0
17/02/2023 09:40	2.8	60	12	3.8	0
17/02/2023 09:50	2.6	60	14	3.5	0
17/02/2023 10:00	2.4	64	23	3.5	0
17/02/2023 10:10	2.5	70	23	3.6	0
17/02/2023 10:20	2.3	69	29	3.3	0
17/02/2023 10:30	1.9	69	40	3	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/02/2023 10:40	1.8	73	36	3.1	0
17/02/2023 10:50	1.9	101	46	3.1	0
17/02/2023 11:00	2	96	29	4	0
17/02/2023 11:10	2	85	42	3.2	0
17/02/2023 11:20	2	94	24	3.5	0
17/02/2023 11:30	2.3	127	32	3.8	0
17/02/2023 11:40	2.7	124	27	4.1	0
17/02/2023 11:50	2.2	117	25	3.6	0
17/02/2023 12:00	2.5	135	26	4.1	0
17/02/2023 12:10	2.8	85	23	4.2	0
17/02/2023 12:20	5.1	45	13	7	0
17/02/2023 12:30	5.6	49	12	7.8	0
17/02/2023 12:40	5	48	11	6.6	0
17/02/2023 12:50	4.7	48	11	6.4	0
17/02/2023 13:00	4.4	51	10	6.1	0
17/02/2023 13:10	4	52	13	5.2	0
17/02/2023 13:20	3.7	47	15	5.2	0
17/02/2023 13:30	3.8	31	17	5.6	0
17/02/2023 13:40	3.6	339	35	5.7	0
17/02/2023 13:50	4.5	323	15	6.6	0
17/02/2023 14:00	4.9	343	13	7	0
17/02/2023 14:10	4.4	331	19	6.1	0
17/02/2023 14:20	4.8	336	16	7.2	0
17/02/2023 14:30	5	336	13	6.9	0
17/02/2023 14:40	4.6	325	17	6.4	0
17/02/2023 14:50	5.9	346	13	7.5	0
17/02/2023 15:00	6.1	176	14	8.4	0
17/02/2023 15:10	6.2	355	16	8.3	0
17/02/2023 15:20	5.7	350	14	7.9	0
17/02/2023 15:30	5.1	332	15	7.3	0
17/02/2023 15:40	5.1	338	16	7.2	0
17/02/2023 15:50	5.2	341	16	7.4	0
17/02/2023 16:00	5	331	15	7.3	0
17/02/2023 16:10	4.8	319	18	7.2	0
17/02/2023 16:20	4.5	324	22	6.5	0
17/02/2023 16:30	4.2	314	24	6.6	0
17/02/2023 16:40	4.3	312	18	6.3	0
17/02/2023 16:50	4.3	325	15	6.3	0
17/02/2023 17:00	4.6	311	15	6.5	0
17/02/2023 17:10	4.1	299	20	6.4	0
17/02/2023 17:20	4	289	22	6.2	0
17/02/2023 17:30	3.5	289	20	5.2	0
17/02/2023 17:40	3.6	294	22	5.6	0
17/02/2023 17:50	3.4	293	23	5.4	0
17/02/2023 18:00	3.4	294	24	5.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/02/2023 18:10	2.8	294	28	4.4	0
17/02/2023 18:20	3.3	296	25	4.8	0
17/02/2023 18:30	3.5	284	20	5.9	0
17/02/2023 18:40	3	288	20	4.9	0
17/02/2023 18:50	3.1	278	18	4.6	0
17/02/2023 19:00	2.7	275	24	3.7	0
17/02/2023 19:10	2.4	284	24	4	0
17/02/2023 19:20	2.9	283	23	4.4	0
17/02/2023 19:30	3	268	20	4.5	0
17/02/2023 19:40	2.8	272	22	4.4	0
17/02/2023 19:50	2.9	287	21	4.7	0
17/02/2023 20:00	2.9	283	17	5.1	0
17/02/2023 20:10	2.5	284	22	4	0
17/02/2023 20:20	2.5	276	24	4.2	0
17/02/2023 20:30	2.9	275	24	6	0
17/02/2023 20:40	3.2	270	18	4.8	0
17/02/2023 20:50	3.7	270	22	6.1	0
17/02/2023 21:00	3.4	270	22	5.4	0
17/02/2023 21:10	3.6	270	18	5.8	0
17/02/2023 21:20	3.5	267	19	5.3	0
17/02/2023 21:30	3.3	269	22	5.3	0
17/02/2023 21:40	3.5	273	19	5.3	0
17/02/2023 21:50	3.4	270	24	6	0
17/02/2023 22:00	3.3	268	21	5.1	0
17/02/2023 22:10	3	274	25	5	0
17/02/2023 22:20	2.8	277	22	4.8	0
17/02/2023 22:30	2.5	275	23	4.7	0
17/02/2023 22:40	2.6	274	19	3.7	0
17/02/2023 22:50	2.3	276	18	3.6	0
17/02/2023 23:00	1.9	291	25	3.3	0
17/02/2023 23:10	2.1	290	22	3.5	0
17/02/2023 23:20	2.1	274	19	3.2	0
17/02/2023 23:30	1.9	277	22	3.3	0
17/02/2023 23:40	1.6	281	26	3	0
17/02/2023 23:50	1.9	284	21	3	0
18/02/2023 00:00	1.5	276	21	2.4	0
18/02/2023 00:10	1.7	277	18	2.6	0
18/02/2023 00:20	2	277	18	2.8	0
18/02/2023 00:30	1.9	279	18	2.7	0
18/02/2023 00:40	1.3	291	27	2.3	0
18/02/2023 00:50	1.6	295	26	2.4	0
18/02/2023 01:00	1.8	279	20	3	0
18/02/2023 01:10	2	269	19	3	0
18/02/2023 01:20	2	264	30	3.2	0
18/02/2023 01:30	2.2	268	23	3.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/02/2023 01:40	2.1	268	24	3.2	0
18/02/2023 01:50	2.5	264	21	3.7	0
18/02/2023 02:00	2.5	264	22	4.4	0
18/02/2023 02:10	2.7	269	22	4.3	0
18/02/2023 02:20	2.7	270	21	4.4	0
18/02/2023 02:30	2.9	266	19	4.3	0
18/02/2023 02:40	2.7	268	21	4.5	0
18/02/2023 02:50	2.8	268	22	4.9	0
18/02/2023 03:00	2.6	269	22	4.2	0
18/02/2023 03:10	1.8	233	53	3	0
18/02/2023 03:20	1.5	199	47	2.6	0
18/02/2023 03:30	1.4	221	45	2.4	0
18/02/2023 03:40	1.5	260	34	2.5	0
18/02/2023 03:50	1.9	257	30	2.8	0
18/02/2023 04:00	2	271	21	2.7	0
18/02/2023 04:10	1.7	264	33	2.7	0
18/02/2023 04:20	1.2	226	53	2.5	0
18/02/2023 04:30	1.3	268	49	2.9	0
18/02/2023 04:40	1.6	266	34	2.7	0
18/02/2023 04:50	0.7	203	63	1.5	0
18/02/2023 05:00	0.7	205	50	1.5	0
18/02/2023 05:10	0.9	132	33	2.1	0
18/02/2023 05:20	0.7	111	10	1.5	0
18/02/2023 05:30	0.7	174	15	1.3	0
18/02/2023 05:40	0.1	119	25	0.6	0
18/02/2023 05:50	0.7	255	39	1.3	0
18/02/2023 06:00	1	330	23	1.2	0
18/02/2023 06:10	0.3	199	8	0.7	0
18/02/2023 06:20	1.1	328	17	1.5	0
18/02/2023 06:30	1	247	23	1.7	0
18/02/2023 06:40	2	199	7	2.7	0
18/02/2023 06:50	1.2	176	18	2	0
18/02/2023 07:00	1.1	98	22	2	0
18/02/2023 07:10	1.1	112	28	2.1	0
18/02/2023 07:20	1.1	88	12	1.6	0
18/02/2023 07:30	1.2	77	13	1.6	0
18/02/2023 07:40	0.8	83	11	1.3	0
18/02/2023 07:50	0.7	51	29	1.3	0
18/02/2023 08:00	1.2	245	49	2.4	0
18/02/2023 08:10	1	243	35	1.8	0
18/02/2023 08:20	2.1	223	31	3.5	0
18/02/2023 08:30	2.5	118	15	3.4	0
18/02/2023 08:40	1.9	104	14	2.8	0
18/02/2023 08:50	2.6	112	16	3.7	0
18/02/2023 09:00	2.1	102	20	3.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/02/2023 09:10	2.3	97	21	3.2	0
18/02/2023 09:20	2.6	79	19	3.6	0
18/02/2023 09:30	2.5	81	18	3.6	0
18/02/2023 09:40	2.5	75	25	3.8	0
18/02/2023 09:50	2.4	84	24	3.6	0
18/02/2023 10:00	2.2	80	32	3.7	0
18/02/2023 10:10	2	65	32	3.2	0
18/02/2023 10:20	2.4	48	31	3.7	0
18/02/2023 10:30	2.7	82	17	3.6	0
18/02/2023 10:40	2.8	79	18	4	0
18/02/2023 10:50	2.6	58	15	3.6	0
18/02/2023 11:00	3.7	61	12	5.2	0
18/02/2023 11:10	3.9	62	16	4.8	0
18/02/2023 11:20	3.5	72	15	4.6	0
18/02/2023 11:30	4.3	59	13	5.9	0
18/02/2023 11:40	4.6	59	10	5.7	0
18/02/2023 11:50	4.2	52	13	5.6	0
18/02/2023 12:00	4.6	48	12	6	0
18/02/2023 12:10	4.3	19	22	6.5	0
18/02/2023 12:20	4.9	341	14	6.6	0
18/02/2023 12:30	4.8	347	18	6.7	0
18/02/2023 12:40	4.8	347	19	6.5	0
18/02/2023 12:50	4.8	351	16	6.8	0
18/02/2023 13:00	4.4	338	19	6.2	0
18/02/2023 13:10	3.8	350	18	5.5	0
18/02/2023 13:20	4.7	179	15	6.6	0
18/02/2023 13:30	4.8	352	16	7.9	0
18/02/2023 13:40	4.2	345	18	5.7	0
18/02/2023 13:50	4.1	339	15	6	0
18/02/2023 14:00	4.2	345	16	5.4	0
18/02/2023 14:10	4.1	339	18	6	0
18/02/2023 14:20	4.3	349	15	6.2	0
18/02/2023 14:30	4.5	343	16	6.3	0
18/02/2023 14:40	4.2	344	18	6.4	0
18/02/2023 14:50	3.6	320	21	5.6	0
18/02/2023 15:00	3.9	333	21	5.7	0
18/02/2023 15:10	4.1	357	17	5.3	0
18/02/2023 15:20	3.9	346	25	5.6	0
18/02/2023 15:30	2.9	309	21	4.4	0
18/02/2023 15:40	3.8	315	20	5.4	0
18/02/2023 15:50	4	328	16	5.7	0
18/02/2023 16:00	4.4	332	16	6.1	0
18/02/2023 16:10	4.6	335	14	7.1	0
18/02/2023 16:20	4.1	319	24	6.2	0
18/02/2023 16:30	3.7	330	21	5.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/02/2023 16:40	3.9	334	22	5.7	0
18/02/2023 16:50	3.7	339	17	5.9	0
18/02/2023 17:00	4.1	336	14	6	0
18/02/2023 17:10	3.8	321	17	5.7	0
18/02/2023 17:20	4.9	324	14	6.5	0
18/02/2023 17:30	4.3	320	17	6.4	0
18/02/2023 17:40	4.1	313	19	6.9	0
18/02/2023 17:50	4	317	16	5.8	0
18/02/2023 18:00	4.8	329	15	6.4	0
18/02/2023 18:10	4.5	319	17	6.7	0
18/02/2023 18:20	4.1	324	14	6	0
18/02/2023 18:30	4.6	325	14	6.4	0
18/02/2023 18:40	4.5	324	12	7	0
18/02/2023 18:50	4	324	14	6	0
18/02/2023 19:00	3.6	325	16	5.4	0
18/02/2023 19:10	3.4	327	15	4.8	0
18/02/2023 19:20	2.7	336	14	3.6	0
18/02/2023 19:30	2.6	337	11	3.8	0
18/02/2023 19:40	2.4	336	16	3.3	0
18/02/2023 19:50	2.6	329	13	3.6	0
18/02/2023 20:00	2.3	336	12	3.2	0
18/02/2023 20:10	1.4	207	25	2.3	0
18/02/2023 20:20	3.1	125	28	6	0
18/02/2023 20:30	1.6	193	25	2.5	0
18/02/2023 20:40	1.3	65	33	2.3	0
18/02/2023 20:50	2	27	21	2.8	0
18/02/2023 21:00	0.7	17	9	1.5	0
18/02/2023 21:10	1.1	323	7	2.3	0
18/02/2023 21:20	1.3	335	16	1.9	0
18/02/2023 21:30	1.7	333	13	2.1	0
18/02/2023 21:40	1.6	306	20	2.5	0
18/02/2023 21:50	1.8	289	22	2.5	0
18/02/2023 22:00	2.1	283	17	3.2	0
18/02/2023 22:10	2.6	298	22	3.7	0
18/02/2023 22:20	2.3	316	20	3.7	0
18/02/2023 22:30	2.8	324	11	3.9	0
18/02/2023 22:40	2.3	310	18	3.5	0
18/02/2023 22:50	2.3	293	15	3.5	0
18/02/2023 23:00	2.8	297	17	4.3	0
18/02/2023 23:10	2.6	287	21	4.2	0
18/02/2023 23:20	3.2	282	18	4.6	0
18/02/2023 23:30	2.9	277	19	4.6	0
18/02/2023 23:40	3	269	19	4.6	0
18/02/2023 23:50	1.6	224	42	3	0
19/02/2023 00:00	1.8	264	37	2.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/02/2023 00:10	1.7	282	19	2.6	0
19/02/2023 00:20	1.4	294	17	2.6	0
19/02/2023 00:30	1.9	293	21	3	0
19/02/2023 00:40	2	305	16	3	0
19/02/2023 00:50	1.9	282	26	2.7	0
19/02/2023 01:00	2.3	273	21	3.6	0
19/02/2023 01:10	2.1	293	27	3.2	0
19/02/2023 01:20	2.2	269	21	3.3	0
19/02/2023 01:30	2	284	18	3.3	0
19/02/2023 01:40	1.9	285	29	3	0
19/02/2023 01:50	1.5	277	20	2.4	0
19/02/2023 02:00	1.1	250	27	1.8	0
19/02/2023 02:10	1.5	231	25	2	0
19/02/2023 02:20	1.5	297	14	2	0
19/02/2023 02:30	1.2	241	13	1.7	0
19/02/2023 02:40	1.2	288	33	2	0
19/02/2023 02:50	1.3	286	21	2	0
19/02/2023 03:00	0.8	308	20	1.5	0
19/02/2023 03:10	0.9	273	25	1.5	0
19/02/2023 03:20	1.3	115	29	1.8	0
19/02/2023 03:30	0.8	68	28	1.3	0
19/02/2023 03:40	1.7	100	27	2.5	0
19/02/2023 03:50	2.7	165	19	4.2	0
19/02/2023 04:00	3.1	188	15	4.4	0
19/02/2023 04:10	2.4	181	18	3.4	0
19/02/2023 04:20	2.5	165	20	3.8	0
19/02/2023 04:30	2.5	150	18	3.8	0
19/02/2023 04:40	1.8	135	27	3.1	0
19/02/2023 04:50	0.9	249	46	1.6	0
19/02/2023 05:00	1.1	282	16	1.7	0
19/02/2023 05:10	1.1	151	47	1.8	0
19/02/2023 05:20	0.8	344	10	1.2	0
19/02/2023 05:30	0.4	338	6	0.9	0
19/02/2023 05:40	0.9	316	21	1.2	0
19/02/2023 05:50	1.1	281	19	1.6	0
19/02/2023 06:00	1.7	264	17	2.4	0
19/02/2023 06:10	1.7	247	28	2.8	0
19/02/2023 06:20	1.6	262	26	2.7	0
19/02/2023 06:30	1.9	251	28	3.2	0
19/02/2023 06:40	1.9	264	22	2.8	0
19/02/2023 06:50	2	264	21	3.1	0
19/02/2023 07:00	3	298	19	4	0
19/02/2023 07:10	2.4	263	21	3.6	0
19/02/2023 07:20	2.3	267	20	3.2	0
19/02/2023 07:30	2.4	273	21	3.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/02/2023 07:40	2.4	291	21	3.6	0
19/02/2023 07:50	2.1	272	20	3.2	0
19/02/2023 08:00	1.9	291	23	3	0
19/02/2023 08:10	3.2	335	13	4.3	0
19/02/2023 08:20	3.1	318	17	4.7	0
19/02/2023 08:30	2	307	28	3.2	0
19/02/2023 08:40	1.9	320	29	3.5	0
19/02/2023 08:50	2.6	355	16	4.1	0
19/02/2023 09:00	2.8	351	22	4.8	0
19/02/2023 09:10	2.4	316	26	3.7	0
19/02/2023 09:20	2	169	33	3.2	0
19/02/2023 09:30	2.2	300	30	3.6	0
19/02/2023 09:40	2.3	327	35	4.4	0
19/02/2023 09:50	3	329	18	4.8	0
19/02/2023 10:00	2.4	324	37	4.7	0
19/02/2023 10:10	2.8	172	27	4.4	0
19/02/2023 10:20	2.9	352	33	4.8	0
19/02/2023 10:30	2.7	336	30	4.7	0
19/02/2023 10:40	3	329	27	4.8	0
19/02/2023 10:50	3.1	316	31	5.5	0
19/02/2023 11:00	3.2	326	22	4.7	0
19/02/2023 11:10	3.3	323	19	5.2	0
19/02/2023 11:20	3.1	303	24	5	0
19/02/2023 11:30	3	316	29	5	0
19/02/2023 11:40	2.7	353	24	4.3	0
19/02/2023 11:50	2.4	324	30	4	0
19/02/2023 12:00	2.3	271	33	4.2	0
19/02/2023 12:10	2.1	279	50	3.5	0
19/02/2023 12:20	1.8	314	59	2.8	0
19/02/2023 12:30	2.7	43	20	3.5	0
19/02/2023 12:40	3.5	57	14	4.7	0
19/02/2023 12:50	3	47	16	4.2	0
19/02/2023 13:00	2.1	187	46	3.2	0
19/02/2023 13:10	2.7	283	39	4.5	0
19/02/2023 13:20	2.8	281	38	4.5	0
19/02/2023 13:30	3.1	289	23	4.8	0
19/02/2023 13:40	3.1	287	29	4.6	0
19/02/2023 13:50	3.5	292	22	5.2	0
19/02/2023 14:00	3	299	26	5.2	0
19/02/2023 14:10	3.3	309	31	4.8	0
19/02/2023 14:20	4.1	330	16	5.7	0
19/02/2023 14:30	3.8	316	19	5.8	0
19/02/2023 14:40	3.7	284	25	5.6	0
19/02/2023 14:50	3.8	282	27	6	0
19/02/2023 15:00	3.8	293	22	5.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/02/2023 15:10	3.6	277	23	6	0
19/02/2023 15:20	3.8	274	21	5.8	0
19/02/2023 15:30	4.2	277	21	5.8	0
19/02/2023 15:40	4	291	22	6	0
19/02/2023 15:50	4.2	289	18	6	0
19/02/2023 16:00	3.8	283	23	6.4	0
19/02/2023 16:10	3.8	291	26	5.8	0
19/02/2023 16:20	4	303	20	6.9	0
19/02/2023 16:30	4.8	306	20	7	0
19/02/2023 16:40	4.8	298	19	7.3	0
19/02/2023 16:50	4.7	304	19	6.9	0
19/02/2023 17:00	4.5	297	23	7.3	0
19/02/2023 17:10	4.5	280	23	7	0
19/02/2023 17:20	4.4	288	22	7	0
19/02/2023 17:30	4.5	282	21	6.6	0
19/02/2023 17:40	4.2	279	22	6.8	0
19/02/2023 17:50	4.4	284	19	7	0
19/02/2023 18:00	4.2	282	19	6.3	0
19/02/2023 18:10	3.7	275	20	5.6	0
19/02/2023 18:20	3.9	277	22	5.7	0
19/02/2023 18:30	4.1	284	21	6.4	0
19/02/2023 18:40	4.2	282	20	7	0
19/02/2023 18:50	4	276	24	6.9	0
19/02/2023 19:00	3.9	279	20	6	0
19/02/2023 19:10	3.5	273	20	5.2	0
19/02/2023 19:20	3.7	275	23	5.8	0
19/02/2023 19:30	3.5	245	34	6.5	0
19/02/2023 19:40	3.6	252	38	6.6	0
19/02/2023 19:50	3.2	220	31	5.2	0
19/02/2023 20:00	3.2	263	32	5.5	0
19/02/2023 20:10	2.9	254	34	5	0
19/02/2023 20:20	3	276	25	5.2	0
19/02/2023 20:30	3.1	269	27	5.5	0
19/02/2023 20:40	3.2	272	26	5.2	0
19/02/2023 20:50	2.9	269	37	4.6	0
19/02/2023 21:00	2.4	271	32	4.2	0
19/02/2023 21:10	1.9	238	56	4.1	0
19/02/2023 21:20	1.6	253	69	3.2	0
19/02/2023 21:30	2	248	49	3.6	0
19/02/2023 21:40	2	276	36	3.6	0
19/02/2023 21:50	1.7	193	35	2.8	0
19/02/2023 22:00	3	119	22	4.8	0
19/02/2023 22:10	3	128	25	5.2	0
19/02/2023 22:20	2.7	99	26	5.5	0
19/02/2023 22:30	3.8	81	14	5.6	0





Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/02/2023 22:40	2.6	86	17	3.9	0
19/02/2023 22:50	2	84	14	3	0
19/02/2023 23:00	1	74	16	1.6	0
19/02/2023 23:10	0.7	49	14	1.2	0
19/02/2023 23:20	0.9	233	22	1.2	0
19/02/2023 23:30	1.1	271	29	1.9	0
19/02/2023 23:40	1.3	265	26	1.9	0
19/02/2023 23:50	2.7	254	10	3.6	0
20/02/2023 00:00	2.4	259	13	3.2	0
20/02/2023 00:10	2.1	263	17	3	0
20/02/2023 00:20	2.2	267	13	2.9	0
20/02/2023 00:30	2.1	283	15	2.8	0
20/02/2023 00:40	2	291	16	2.9	0
20/02/2023 00:50	1.8	288	11	2.5	0
20/02/2023 01:00	1.8	275	20	2.4	0
20/02/2023 01:10	2	280	13	2.8	0
20/02/2023 01:20	1.9	283	14	2.8	0
20/02/2023 01:30	2.2	283	18	3.6	0
20/02/2023 01:40	1.6	286	26	2.3	0
20/02/2023 01:50	1.9	307	18	3.1	0
20/02/2023 02:00	1.5	253	37	2.4	0
20/02/2023 02:10	2.5	265	25	4.2	0
20/02/2023 02:20	2.1	255	38	4	0
20/02/2023 02:30	2.5	271	42	3.9	0
20/02/2023 02:40	2	265	37	3.7	0
20/02/2023 02:50	1.9	256	44	4	0
20/02/2023 03:00	2.3	277	23	3.6	0
20/02/2023 03:10	2.1	267	37	4.2	0
20/02/2023 03:20	2.7	271	27	4	0
20/02/2023 03:30	2.1	270	24	3.7	0
20/02/2023 03:40	1.3	238	54	2.2	0
20/02/2023 03:50	1.7	266	26	2.8	0
20/02/2023 04:00	1.4	230	41	2.8	0
20/02/2023 04:10	1.3	258	54	2.5	0
20/02/2023 04:20	1.4	220	61	2.7	0
20/02/2023 04:30	1.1	253	68	2.4	0
20/02/2023 04:40	1.3	256	52	2.4	0
20/02/2023 04:50	1.6	262	43	2.8	0
20/02/2023 05:00	1.4	245	52	2.4	0
20/02/2023 05:10	1.3	229	85	2.8	0
20/02/2023 05:20	1.6	245	44	3.2	0
20/02/2023 05:30	1.5	238	63	3.1	0
20/02/2023 05:40	1.7	259	42	2.9	0
20/02/2023 05:50	1.2	233	56	2.8	0
20/02/2023 06:00	1	220	54	2.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/02/2023 06:10	1.9	255	37	3.2	0
20/02/2023 06:20	1.5	237	43	2.9	0
20/02/2023 06:30	1.8	201	52	3.6	0
20/02/2023 06:40	2.2	208	39	4	0
20/02/2023 06:50	2.5	199	27	4.2	0
20/02/2023 07:00	2.3	200	31	4.1	0
20/02/2023 07:10	2.1	205	33	4	0
20/02/2023 07:20	1.7	220	57	3.1	0
20/02/2023 07:30	1.9	224	50	3.3	0
20/02/2023 07:40	2.3	207	32	4.1	0
20/02/2023 07:50	3	212	28	5.3	0
20/02/2023 08:00	3.1	217	29	6.3	0
20/02/2023 08:10	2.5	209	30	4.8	0
20/02/2023 08:20	2.9	198	21	4.6	0
20/02/2023 08:30	2.4	209	27	4	0
20/02/2023 08:40	2.7	214	23	4.7	0
20/02/2023 08:50	2.8	225	27	4.8	0
20/02/2023 09:00	2.9	205	22	4.5	0
20/02/2023 09:10	3.8	203	13	5.8	0
20/02/2023 09:20	3.1	200	20	4.5	0
20/02/2023 09:30	2.7	211	24	4.4	0
20/02/2023 09:40	2.5	209	25	3.6	0
20/02/2023 09:50	2.6	191	20	3.5	0
20/02/2023 10:00	2	204	42	3.3	0
20/02/2023 10:10	1.6	156	62	2.8	0
20/02/2023 10:20	1.9	154	27	3.5	0
20/02/2023 10:30	1.5	111	44	2.5	0
20/02/2023 10:40	1.6	62	42	2.5	0
20/02/2023 10:50	1.9	16	41	2.7	0
20/02/2023 11:00	2.6	186	50	6.2	0
20/02/2023 11:10	2.6	268	24	3.6	0
20/02/2023 11:20	3.1	263	25	4.6	0
20/02/2023 11:30	2.8	276	24	4.7	0
20/02/2023 11:40	3.2	286	22	4.7	0
20/02/2023 11:50	2.8	280	27	4.4	0
20/02/2023 12:00	3	281	30	4.4	0
20/02/2023 12:10	2.6	267	27	3.7	0
20/02/2023 12:20	3	176	28	4.3	0
20/02/2023 12:30	3.4	43	15	4.3	0
20/02/2023 12:40	3.3	49	17	4.3	0
20/02/2023 12:50	3.9	62	11	4.8	0
20/02/2023 13:00	3.5	63	8	4.6	0
20/02/2023 13:10	4.3	56	9	5.2	0
20/02/2023 13:20	4.3	58	9	5.4	0
20/02/2023 13:30	3.9	48	13	5	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/02/2023 13:40	3.5	52	12	4.8	0
20/02/2023 13:50	4.1	52	12	5.6	0
20/02/2023 14:00	4.4	55	11	5.8	0
20/02/2023 14:10	4.2	18	22	6.1	0
20/02/2023 14:20	5.3	336	13	7.3	0
20/02/2023 14:30	4.8	338	15	6.8	0
20/02/2023 14:40	4.5	322	19	6.1	0
20/02/2023 14:50	4.3	327	20	6	0
20/02/2023 15:00	5	345	15	7.2	0
20/02/2023 15:10	4.9	345	14	7.1	0
20/02/2023 15:20	4.4	331	16	6.3	0
20/02/2023 15:30	4.1	324	16	5.8	0
20/02/2023 15:40	3.8	298	24	5.6	0
20/02/2023 15:50	3.3	299	21	5.6	0
20/02/2023 16:00	3.9	310	21	6.3	0
20/02/2023 16:10	3.6	299	22	6.1	0
20/02/2023 16:20	4	282	22	6	0
20/02/2023 16:30	4.1	285	23	6.5	0
20/02/2023 16:40	4.1	293	20	8.3	0
20/02/2023 16:50	4	275	21	5.9	0
20/02/2023 17:00	4	284	22	5.6	0
20/02/2023 17:10	4.2	290	22	6.3	0
20/02/2023 17:20	4.3	299	18	6.6	0
20/02/2023 17:30	4.4	288	21	7	0
20/02/2023 17:40	3.9	296	23	6.4	0
20/02/2023 17:50	4.5	301	15	6.3	0
20/02/2023 18:00	3.9	289	19	6	0
20/02/2023 18:10	3.7	292	20	5.6	0
20/02/2023 18:20	3.6	286	19	5.2	0
20/02/2023 18:30	3.3	284	21	4.9	0
20/02/2023 18:40	3.3	293	22	5.4	0
20/02/2023 18:50	3.4	298	19	5.2	0
20/02/2023 19:00	3.2	288	24	4.8	0
20/02/2023 19:10	3.5	284	21	5.8	0
20/02/2023 19:20	3.7	287	25	5.7	0
20/02/2023 19:30	3.7	298	19	6	0
20/02/2023 19:40	3.5	293	21	5.2	0
20/02/2023 19:50	3.2	288	22	5.1	0
20/02/2023 20:00	2.9	303	18	4.5	0
20/02/2023 20:10	1.9	312	20	3	0
20/02/2023 20:20	1.5	190	40	2.4	0
20/02/2023 20:30	3.1	66	15	4.8	0
20/02/2023 20:40	2.9	52	11	4	0
20/02/2023 20:50	1.9	25	14	3	0
20/02/2023 21:00	1.4	30	16	2.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/02/2023 21:10	0.5	145	38	1.4	0
20/02/2023 21:20	1.1	67	21	1.7	0
20/02/2023 21:30	2.3	101	12	3.4	0
20/02/2023 21:40	2.8	76	21	4.5	0
20/02/2023 21:50	4.1	58	14	5.6	0
20/02/2023 22:00	3.4	32	14	5.1	0
20/02/2023 22:10	2.7	34	13	3.6	0
20/02/2023 22:20	2.7	29	14	4	0
20/02/2023 22:30	1.9	186	26	3.1	0
20/02/2023 22:40	1.3	23	22	2	0
20/02/2023 22:50	0.6	170	38	1.2	0
20/02/2023 23:00	1.3	66	17	2.4	0
20/02/2023 23:10	2.4	90	22	3.2	0
20/02/2023 23:20	2.3	94	21	3.6	0
20/02/2023 23:30	2	108	17	3.1	0
20/02/2023 23:40	2.2	112	20	3.3	0
20/02/2023 23:50	2.4	123	24	3.9	0
21/02/2023 00:00	2.4	93	18	3.6	0
21/02/2023 00:10	2.5	101	22	3.8	0
21/02/2023 00:20	2.7	102	18	4	0
21/02/2023 00:30	2.2	77	16	3.4	0
21/02/2023 00:40	2.8	59	11	3.8	0
21/02/2023 00:50	2.8	58	11	3.7	0
21/02/2023 01:00	2.6	48	12	3.6	0
21/02/2023 01:10	2.8	49	12	3.7	0
21/02/2023 01:20	2.6	49	14	3.6	0
21/02/2023 01:30	2.4	43	11	3.2	0
21/02/2023 01:40	2.4	31	12	3.4	0
21/02/2023 01:50	1.8	18	12	2.8	0
21/02/2023 02:00	1	298	25	1.4	0
21/02/2023 02:10	1.8	240	26	2.7	0
21/02/2023 02:20	1.5	267	34	2.6	0
21/02/2023 02:30	1.8	97	32	2.8	0
21/02/2023 02:40	2.1	111	17	3	0
21/02/2023 02:50	2.5	129	27	3.9	0
21/02/2023 03:00	2.5	117	18	3.6	0
21/02/2023 03:10	2	112	18	2.8	0
21/02/2023 03:20	2.2	69	15	4	0
21/02/2023 03:30	4.1	56	11	5.3	0
21/02/2023 03:40	4.1	60	12	5.5	0
21/02/2023 03:50	3.5	62	13	5.1	0
21/02/2023 04:00	2.9	55	18	4.5	0
21/02/2023 04:10	1.9	50	15	2.9	0
21/02/2023 04:20	2.5	53	12	3.7	0
21/02/2023 04:30	3.3	61	15	4.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/02/2023 04:40	3.3	47	19	4.7	0
21/02/2023 04:50	2.8	38	19	4.3	0.3
21/02/2023 05:00	2.4	43	24	3.8	0
21/02/2023 05:10	2.9	52	14	4.8	0
21/02/2023 05:20	3.8	57	12	5.5	0
21/02/2023 05:30	4	61	11	5.4	0
21/02/2023 05:40	0.6	64	5	3.8	0
21/02/2023 05:50	1.2	59	7	4.3	0
21/02/2023 06:00	3	62	13	4.9	0
21/02/2023 06:10	0.6	53	7	3.4	0
21/02/2023 06:20	0.8	57	9	4.3	0
21/02/2023 06:30	0.8	57	10	2.5	0
21/02/2023 06:40	0.3	52	7	1.7	0
21/02/2023 06:50	1	56	12	2.9	0
21/02/2023 07:00	2	60	10	4	0
21/02/2023 07:10	3	65	13	5.1	0
21/02/2023 07:20	3.2	65	12	4.7	0
21/02/2023 07:30	3	70	13	4.5	0
21/02/2023 07:40	3.5	71	13	5	0
21/02/2023 07:50	3.6	65	15	5	0
21/02/2023 08:00	3.9	63	13	5.6	0
21/02/2023 08:10	3.7	59	12	5	0
21/02/2023 08:20	3.4	59	14	5.1	0
21/02/2023 08:30	4.1	57	11	5.5	0
21/02/2023 08:40	3.6	58	11	4.8	0
21/02/2023 08:50	3.5	48	12	5	0
21/02/2023 09:00	3.7	50	12	5	0
21/02/2023 09:10	3.7	49	13	5	0
21/02/2023 09:20	4.3	47	11	5.6	0
21/02/2023 09:30	4	52	14	5.9	0
21/02/2023 09:40	4.3	55	13	5.8	0
21/02/2023 09:50	4.2	55	13	5.6	0
21/02/2023 10:00	4.5	53	11	5.7	0
21/02/2023 10:10	4.3	55	13	5.6	0
21/02/2023 10:20	4.5	56	12	5.9	0
21/02/2023 10:30	5	59	9	6.4	0
21/02/2023 10:40	5.1	58	10	6.8	0
21/02/2023 10:50	4.9	64	13	7	0
21/02/2023 11:00	5.4	64	12	7.2	0
21/02/2023 11:10	5.6	59	11	7.2	0
21/02/2023 11:20	5.3	60	12	7.1	0
21/02/2023 11:30	5.6	57	10	7.2	0
21/02/2023 11:40	5.6	58	11	7.5	0
21/02/2023 11:50	5.9	58	10	7.3	0
21/02/2023 12:00	5.1	54	13	6.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/02/2023 12:10	5.1	50	12	6.8	0
21/02/2023 12:20	4.8	50	13	6.7	0
21/02/2023 12:30	5	38	12	6.9	0
21/02/2023 12:40	5.2	30	11	6.6	0
21/02/2023 12:50	5.1	37	13	6.5	0
21/02/2023 13:00	5.2	40	14	6.7	0
21/02/2023 13:10	5	33	15	7.5	0
21/02/2023 13:20	4.8	36	14	7	0
21/02/2023 13:30	5.4	38	11	6.7	0
21/02/2023 13:40	4.7	33	13	6.5	0
21/02/2023 13:50	4.7	42	14	6.4	0
21/02/2023 14:00	4.6	41	13	6	0
21/02/2023 14:10	4.7	46	13	6.3	0
21/02/2023 14:20	4.9	42	10	6.5	0
21/02/2023 14:30	4.5	45	13	6.3	0
21/02/2023 14:40	5.1	46	11	6.7	0
21/02/2023 14:50	5.1	45	11	7.2	0
21/02/2023 15:00	5.6	43	10	7.2	0
21/02/2023 15:10	5.1	24	18	7.5	0
21/02/2023 15:20	6.3	340	12	8.3	0
21/02/2023 15:30	6.5	341	11	8.9	0
21/02/2023 15:40	6	345	13	8.3	0
21/02/2023 15:50	6.1	346	14	8.3	0
21/02/2023 16:00	6.2	344	14	8.4	0
21/02/2023 16:10	6.3	343	13	8	0
21/02/2023 16:20	6.6	339	13	8.4	0
21/02/2023 16:30	6.5	338	11	9.1	0
21/02/2023 16:40	6.2	353	15	8.7	0
21/02/2023 16:50	6.6	349	12	8.7	0
21/02/2023 17:00	6.2	337	14	8.7	0
21/02/2023 17:10	6.3	341	14	8.3	0
21/02/2023 17:20	6	343	11	8.3	0
21/02/2023 17:30	5.8	350	17	7.7	0
21/02/2023 17:40	5.4	353	16	7.2	0
21/02/2023 17:50	5.6	354	18	7.4	0
21/02/2023 18:00	5.4	353	13	7.8	0
21/02/2023 18:10	5.9	353	11	7.3	0
21/02/2023 18:20	5.8	349	10	8.6	0
21/02/2023 18:30	5.4	351	19	7.5	0
21/02/2023 18:40	5.1	344	14	7.4	0
21/02/2023 18:50	5.5	345	14	7.8	0
21/02/2023 19:00	4.8	344	12	6.5	0
21/02/2023 19:10	4.3	342	15	6	0
21/02/2023 19:20	4.6	348	14	6.1	0
21/02/2023 19:30	4.3	351	14	5.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/02/2023 19:40	4.5	356	15	6.4	0
21/02/2023 19:50	4.4	346	13	6.2	0
21/02/2023 20:00	4.4	349	16	5.8	0
21/02/2023 20:10	4.4	353	15	6	0
21/02/2023 20:20	3.7	343	12	5.2	0
21/02/2023 20:30	3.6	346	13	5.2	0
21/02/2023 20:40	3.5	344	11	4.5	0
21/02/2023 20:50	3.1	348	14	4.4	0
21/02/2023 21:00	2.3	341	17	3.6	0
21/02/2023 21:10	2.4	325	13	3.8	0
21/02/2023 21:20	2	331	20	4	0
21/02/2023 21:30	2.6	322	18	3.8	0
21/02/2023 21:40	2.5	325	16	3.6	0
21/02/2023 21:50	2.2	313	23	3.6	0
21/02/2023 22:00	2.5	299	22	4.2	0
21/02/2023 22:10	2.4	288	25	3.9	0
21/02/2023 22:20	2.7	265	25	4.5	0
21/02/2023 22:30	2.6	282	22	3.9	0
21/02/2023 22:40	2.4	281	34	3.8	0
21/02/2023 22:50	5.9	86	19	9.9	0
21/02/2023 23:00	6.3	110	20	9.9	0
21/02/2023 23:10	6.2	99	22	9.9	3.1
21/02/2023 23:20	4.7	109	26	9.3	3
21/02/2023 23:30	4.9	96	17	8	1.4
21/02/2023 23:40	2.7	141	28	4.4	0.6
21/02/2023 23:50	3.4	196	16	5.3	0.2
22/02/2023 00:00	3.1	292	42	4.8	0
22/02/2023 00:10	1.5	341	14	2.3	0
22/02/2023 00:20	0.2	111	23	0.8	0
22/02/2023 00:30	0.9	192	29	1.2	0
22/02/2023 00:40	1.2	171	33	2	0.1
22/02/2023 00:50	2.2	188	24	3.5	0
22/02/2023 01:00	1.3	43	23	2	0.1
22/02/2023 01:10	0.7	181	25	1.6	0.1
22/02/2023 01:20	1.9	183	28	3.2	0.2
22/02/2023 01:30	0.5	65	28	1.4	0.2
22/02/2023 01:40	1.2	147	21	2.1	0.2
22/02/2023 01:50	3.1	173	19	4.4	0.2
22/02/2023 02:00	4.5	195	12	6.1	0
22/02/2023 02:10	3.8	193	11	5.4	0.1
22/02/2023 02:20	3.4	206	11	4.7	0
22/02/2023 02:30	2.5	193	13	3.9	0
22/02/2023 02:40	2.1	190	14	3	0
22/02/2023 02:50	2.1	197	14	2.9	0
22/02/2023 03:00	1.4	191	24	2.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/02/2023 03:10	1.5	15	18	2.3	0
22/02/2023 03:20	0.8	56	13	1.8	0
22/02/2023 03:30	1.3	108	7	2.2	0
22/02/2023 03:40	1.8	107	15	2.5	0
22/02/2023 03:50	1.8	114	21	2.6	0
22/02/2023 04:00	1.5	119	27	2.7	0
22/02/2023 04:10	0.8	154	32	1.9	0
22/02/2023 04:20	0.8	63	22	2	0
22/02/2023 04:30	1.3	94	20	2.2	0
22/02/2023 04:40	0.2	72	12	0.9	0
22/02/2023 04:50	0.7	152	26	2	0
22/02/2023 05:00	1.6	152	30	2.7	0
22/02/2023 05:10	1	154	43	2.1	0
22/02/2023 05:20	1.2	140	32	2.4	0
22/02/2023 05:30	1.6	154	31	3.2	0
22/02/2023 05:40	1.3	161	24	2.1	0
22/02/2023 05:50	2	189	16	3.2	0
22/02/2023 06:00	2.7	190	12	3.8	0
22/02/2023 06:10	2.7	186	13	3.9	0
22/02/2023 06:20	2.4	190	15	3.2	0
22/02/2023 06:30	2.2	181	15	3.2	0
22/02/2023 06:40	1.7	174	19	2.7	0
22/02/2023 06:50	1.4	147	24	2.7	0
22/02/2023 07:00	1.2	149	26	2.2	0
22/02/2023 07:10	2	146	23	3.2	0
22/02/2023 07:20	1.7	162	25	2.6	0
22/02/2023 07:30	2.1	136	28	3.1	0
22/02/2023 07:40	2.1	146	22	3.3	0
22/02/2023 07:50	1.6	138	40	3.2	0
22/02/2023 08:00	2.5	121	21	4.1	0
22/02/2023 08:10	2.4	129	25	4.3	0
22/02/2023 08:20	2.2	118	34	4	0
22/02/2023 08:30	2	117	30	3.6	0
22/02/2023 08:40	2.5	106	20	4	0
22/02/2023 08:50	2.6	103	20	3.8	0
22/02/2023 09:00	2.5	102	21	4.3	0
22/02/2023 09:10	2.7	109	25	4.4	0
22/02/2023 09:20	2.4	92	25	3.9	0
22/02/2023 09:30	2.2	114	19	3.1	0
22/02/2023 09:40	3	86	19	4.8	0
22/02/2023 09:50	3.4	84	16	5.2	0
22/02/2023 10:00	3.4	86	15	4.8	0
22/02/2023 10:10	4.1	84	12	6.1	0
22/02/2023 10:20	4.5	84	16	6.2	0
22/02/2023 10:30	4	76	16	6	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/02/2023 10:40	4.5	67	14	6.4	0
22/02/2023 10:50	4.3	71	16	6	0
22/02/2023 11:00	5	64	12	6.8	0
22/02/2023 11:10	4.7	63	13	6.2	0
22/02/2023 11:20	4.7	70	14	6.9	0
22/02/2023 11:30	4.8	71	15	7.5	0
22/02/2023 11:40	4.5	73	15	6.8	0
22/02/2023 11:50	4.3	71	15	6.3	0
22/02/2023 12:00	4.9	63	12	6.8	0
22/02/2023 12:10	4.6	60	14	6	0
22/02/2023 12:20	5	56	9	6.9	0
22/02/2023 12:30	5.1	54	12	7.2	0
22/02/2023 12:40	4.7	53	14	6.5	0
22/02/2023 12:50	3.8	48	14	5.2	0
22/02/2023 13:00	4.2	44	11	5.3	0
22/02/2023 13:10	4.3	46	13	5.6	0
22/02/2023 13:20	4.1	40	13	5.3	0
22/02/2023 13:30	3.8	39	14	5.2	0
22/02/2023 13:40	3.9	36	13	5.1	0
22/02/2023 13:50	4	39	12	5.3	0
22/02/2023 14:00	4.1	40	11	5.6	0
22/02/2023 14:10	4.4	36	15	5.6	0
22/02/2023 14:20	4.2	40	14	5.7	0
22/02/2023 14:30	3.7	42	14	5	0
22/02/2023 14:40	3.9	44	13	5.4	0
22/02/2023 14:50	4.2	42	12	5.3	0
22/02/2023 15:00	4.3	41	15	5.7	0
22/02/2023 15:10	4.3	39	12	5.6	0
22/02/2023 15:20	4	44	14	5.8	0
22/02/2023 15:30	4	45	13	5.3	0
22/02/2023 15:40	3.8	50	13	5.1	0
22/02/2023 15:50	4	44	13	5.5	0
22/02/2023 16:00	4	52	12	5.7	0
22/02/2023 16:10	3.9	58	12	5.2	0
22/02/2023 16:20	3.8	59	10	5	0
22/02/2023 16:30	3.7	62	10	4.6	0
22/02/2023 16:40	3.5	44	15	4.7	0
22/02/2023 16:50	3.7	46	13	5	0
22/02/2023 17:00	3.7	44	14	5.1	0
22/02/2023 17:10	3.7	47	13	5.2	0
22/02/2023 17:20	3.5	51	13	4.8	0
22/02/2023 17:30	3.5	33	13	4.6	0
22/02/2023 17:40	3.4	38	14	4.8	0
22/02/2023 17:50	3.4	37	13	4.6	0
22/02/2023 18:00	3.4	34	13	4.7	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/02/2023 18:10	3.3	41	12	4.6	0
22/02/2023 18:20	3.1	45	13	4.6	0
22/02/2023 18:30	2.7	42	12	3.6	0
22/02/2023 18:40	2.8	50	12	3.8	0
22/02/2023 18:50	3	58	11	4.1	0
22/02/2023 19:00	2.3	56	13	3.2	0
22/02/2023 19:10	1.9	52	14	2.8	0
22/02/2023 19:20	1.9	55	14	2.8	0
22/02/2023 19:30	1.7	61	14	2.6	0
22/02/2023 19:40	1.8	58	12	2.6	0
22/02/2023 19:50	1.7	51	11	2.5	0
22/02/2023 20:00	1.5	45	15	2.2	0
22/02/2023 20:10	1.3	53	15	2	0
22/02/2023 20:20	1	53	11	1.5	0
22/02/2023 20:30	0.8	41	14	1.2	0
22/02/2023 20:40	0.9	51	10	1.3	0
22/02/2023 20:50	1.4	63	13	2.1	0
22/02/2023 21:00	0.8	36	18	1.4	0
22/02/2023 21:10	1	60	9	1.8	0
22/02/2023 21:20	1.9	50	12	2.5	0
22/02/2023 21:30	1.7	42	14	2.5	0
22/02/2023 21:40	1.6	45	13	2.3	0
22/02/2023 21:50	1.7	40	12	2.2	0
22/02/2023 22:00	1.4	44	14	1.9	0
22/02/2023 22:10	1.1	34	16	1.6	0
22/02/2023 22:20	1.2	47	12	1.8	0
22/02/2023 22:30	1.4	61	13	2	0
22/02/2023 22:40	1.2	64	18	1.8	0
22/02/2023 22:50	1.1	33	15	1.7	0
22/02/2023 23:00	1.6	48	11	2.1	0
22/02/2023 23:10	1.5	35	15	2.1	0
22/02/2023 23:20	1.5	71	21	2.2	0.1
22/02/2023 23:30	0.6	189	6	1.9	0.3
22/02/2023 23:40					0
22/02/2023 23:50					0
23/02/2023 00:00					0
23/02/2023 00:10					0.3
23/02/2023 00:20	3.7	181	17	6.9	3.4
23/02/2023 00:30	4	180	14	6.1	3.5
23/02/2023 00:40	5	138	19	8.6	6.1
23/02/2023 00:50	7.1	85	31	10.5	4.1
23/02/2023 01:00	6.3	83	26	10	4.1
23/02/2023 01:10	5.6	99	21	11.5	5.7
23/02/2023 01:20	6	125	26	10.7	4.8
23/02/2023 01:30	4.8	123	22	9.3	4.7



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/02/2023 01:40	4.4	146	20	7.8	4.7
23/02/2023 01:50	3.5	163	15	5.4	2.3
23/02/2023 02:00	2	149	31	2.8	0.6
23/02/2023 02:10	0.8	146	17	2.5	0.2
23/02/2023 02:20	1.3	147	17	2	0
23/02/2023 02:30	1.6	130	26	3	0
23/02/2023 02:40	2.2	133	20	4	0
23/02/2023 02:50	3.3	141	21	5.4	0
23/02/2023 03:00	3.2	178	19	5.4	0
23/02/2023 03:10	6	134	26	8.9	0
23/02/2023 03:20	5.2	117	27	8.3	0
23/02/2023 03:30	5.2	132	23	9	0.1
23/02/2023 03:40	3	155	23	5.4	0
23/02/2023 03:50	3.3	175	20	5.1	0
23/02/2023 04:00	3.4	161	24	5.2	0
23/02/2023 04:10	3.6	190	14	5	0
23/02/2023 04:20	4	192	15	6	0
23/02/2023 04:30	3.1	161	16	4.8	0.1
23/02/2023 04:40	3.6	128	20	5.4	0.2
23/02/2023 04:50	2.9	152	25	4.4	0
23/02/2023 05:00	2.9	183	19	4.4	0
23/02/2023 05:10	3.4	153	16	5.3	0
23/02/2023 05:20	3	182	18	4.4	0
23/02/2023 05:30	2.7	187	23	4.4	0
23/02/2023 05:40	3.2	155	19	5.4	0.1
23/02/2023 05:50	4.1	185	17	6.6	0
23/02/2023 06:00	4.5	190	12	6.2	0
23/02/2023 06:10	4.9	195	10	7.2	0.1
23/02/2023 06:20	4.6	194	10	6.2	0
23/02/2023 06:30	4	193	12	5.6	0
23/02/2023 06:40	4.4	196	11	6.2	0
23/02/2023 06:50	4.6	194	10	6	0
23/02/2023 07:00	4.5	193	11	5.6	0
23/02/2023 07:10	4.4	194	12	6	0
23/02/2023 07:20	3.5	198	15	5	0
23/02/2023 07:30	2.4	190	20	4.4	0
23/02/2023 07:40	2.3	196	18	3.4	0
23/02/2023 07:50	2.1	192	20	3.2	0
23/02/2023 08:00	2.4	197	18	3.9	0
23/02/2023 08:10	2.1	202	18	3.1	0
23/02/2023 08:20	2.4	200	13	3.6	0
23/02/2023 08:30	2.5	198	16	3.2	0
23/02/2023 08:40	1.9	187	23	3.3	0
23/02/2023 08:50	2.2	185	20	3.2	0
23/02/2023 09:00	3	193	16	4.4	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/02/2023 09:10	3.2	194	13	4.7	0
23/02/2023 09:20	3.3	197	12	4.5	0
23/02/2023 09:30	2.3	190	21	4	0
23/02/2023 09:40	1.7	174	23	2.8	0
23/02/2023 09:50	1.5	168	34	2.5	0
23/02/2023 10:00	2.6	118	21	3.8	0
23/02/2023 10:10	2.7	133	19	4.1	0
23/02/2023 10:20	2.6	121	30	4.3	0
23/02/2023 10:30	2.8	116	29	4.8	0
23/02/2023 10:40	2.8	96	21	4.7	0
23/02/2023 10:50	2.7	99	21	4	0
23/02/2023 11:00	2.4	104	23	3.8	0
23/02/2023 11:10	2.3	99	18	3.1	0
23/02/2023 11:20	2.6	72	17	4.1	0
23/02/2023 11:30	3.4	57	12	4.6	0
23/02/2023 11:40	3.3	50	13	4.6	0
23/02/2023 11:50	3.4	53	13	4.5	0
23/02/2023 12:00	3.5	52	12	4.4	0
23/02/2023 12:10	4.3	55	11	5.8	0
23/02/2023 12:20	4.8	59	9	6	0
23/02/2023 12:30	4.5	57	12	5.8	0
23/02/2023 12:40	5	59	11	6.8	0
23/02/2023 12:50	5	57	11	6.4	0
23/02/2023 13:00	5.3	57	12	6.7	0
23/02/2023 13:10	4.7	59	11	6.4	0
23/02/2023 13:20	4.7	53	12	6.3	0
23/02/2023 13:30	4.5	46	15	6	0
23/02/2023 13:40	4.3	42	14	5.5	0
23/02/2023 13:50	4.4	42	11	6	0
23/02/2023 14:00	4.1	45	14	5.6	0
23/02/2023 14:10	4.1	39	16	5.6	0
23/02/2023 14:20	4.2	47	12	5.9	0
23/02/2023 14:30	4.2	48	13	5.6	0
23/02/2023 14:40	4.1	50	14	5.4	0
23/02/2023 14:50	4.6	48	11	6	0
23/02/2023 15:00	4.7	44	11	6.3	0
23/02/2023 15:10	4.8	48	11	6.6	0
23/02/2023 15:20	4.4	40	14	6	0
23/02/2023 15:30	4.8	40	13	6.4	0
23/02/2023 15:40	4.8	38	15	6.2	0
23/02/2023 15:50	4.9	37	12	6.8	0
23/02/2023 16:00	5	37	13	6.3	0
23/02/2023 16:10	5.3	35	14	7.2	0
23/02/2023 16:20	4.7	37	12	6.3	0
23/02/2023 16:30	4.8	36	13	6.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/02/2023 16:40	4.2	39	13	5.5	0
23/02/2023 16:50	3.9	39	13	5.6	0
23/02/2023 17:00	4.3	36	12	5.7	0
23/02/2023 17:10	4.2	33	13	5.7	0
23/02/2023 17:20	3.9	36	13	5.9	0
23/02/2023 17:30	3.7	36	15	5.1	0
23/02/2023 17:40	4	32	14	5.6	0
23/02/2023 17:50	3.6	33	13	5.2	0
23/02/2023 18:00	4	28	13	5.6	0
23/02/2023 18:10	3.7	30	11	4.8	0
23/02/2023 18:20	3.4	33	12	5	0
23/02/2023 18:30	3.4	28	13	4.6	0
23/02/2023 18:40	3.4	30	13	4.5	0
23/02/2023 18:50	3	33	14	4.2	0
23/02/2023 19:00	2.8	30	13	3.7	0
23/02/2023 19:10	2.7	21	12	3.6	0
23/02/2023 19:20	2.3	9	13	3.2	0
23/02/2023 19:30	2.2	18	11	3	0
23/02/2023 19:40	2.5	24	10	3.7	0
23/02/2023 19:50	2.5	19	11	3.5	0
23/02/2023 20:00	2.3	21	13	3.1	0
23/02/2023 20:10	2.3	8	11	3.2	0
23/02/2023 20:20	1.4	355	10	2	0
23/02/2023 20:30	1.7	357	12	2.5	0
23/02/2023 20:40	1.7	177	12	2.5	0
23/02/2023 20:50	1.2	345	11	1.8	0
23/02/2023 21:00	1.7	341	9	2.7	0
23/02/2023 21:10	1.1	358	11	1.6	0
23/02/2023 21:20	0.9	358	12	1.6	0
23/02/2023 21:30	1.1	7	12	1.7	0
23/02/2023 21:40	0.7	346	10	1.2	0
23/02/2023 21:50	0.5	334	10	0.9	0
23/02/2023 22:00	0.2	46	6	0.7	0
23/02/2023 22:10	0.4	25	11	0.9	0
23/02/2023 22:20	0.3	178	13	0.7	0
23/02/2023 22:30	0.1	185	9	0.9	0
23/02/2023 22:40	0.4	2	11	0.9	0
23/02/2023 22:50	0	61	0	0.6	0
23/02/2023 23:00	0.5	44	11	0.8	0
23/02/2023 23:10	0.6	43	13	1.2	0
23/02/2023 23:20	0	42	0	0.4	0
23/02/2023 23:30	0.2	172	8	0.5	0
23/02/2023 23:40	0.6	329	11	0.8	0
23/02/2023 23:50	0.2	345	3	0.7	0
24/02/2023 00:00	0.4	186	5	0.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/02/2023 00:10	0.4	185	10	0.8	0
24/02/2023 00:20	0.1	197	15	0.6	0
24/02/2023 00:30	0.4	172	19	0.8	0
24/02/2023 00:40	0.8	104	10	1.2	0
24/02/2023 00:50	1	107	16	1.6	0
24/02/2023 01:00	1.2	114	12	1.6	0
24/02/2023 01:10	1.1	117	23	2	0
24/02/2023 01:20	0.8	108	16	1.5	0
24/02/2023 01:30	1	147	30	1.8	0
24/02/2023 01:40	1.7	183	18	2.7	0
24/02/2023 01:50	1.9	189	17	2.7	0
24/02/2023 02:00	2	183	17	2.9	0
24/02/2023 02:10	1.6	163	25	2.6	0
24/02/2023 02:20	1.6	154	20	2.6	0
24/02/2023 02:30	1.5	144	16	2.1	0
24/02/2023 02:40	1.8	147	24	3.2	0
24/02/2023 02:50	1.9	174	25	2.9	0
24/02/2023 03:00	3	194	12	3.9	0
24/02/2023 03:10	2.5	186	25	3.6	0
24/02/2023 03:20	2.2	192	17	3.4	0
24/02/2023 03:30	2.2	190	15	3.5	0
24/02/2023 03:40	1.2	145	23	2	0
24/02/2023 03:50	1.6	172	27	2.8	0
24/02/2023 04:00	1.9	146	32	3.6	0
24/02/2023 04:10	1.6	128	23	2.8	0
24/02/2023 04:20	2.4	138	22	3.9	0
24/02/2023 04:30	2.6	140	23	4.8	0
24/02/2023 04:40	3.2	136	21	5	0
24/02/2023 04:50	2.7	132	23	4.6	0
24/02/2023 05:00	3.2	130	17	5.6	0
24/02/2023 05:10	3.4	132	20	4.8	0
24/02/2023 05:20	3.4	130	22	5.5	0
24/02/2023 05:30	3.3	133	19	4.9	0
24/02/2023 05:40	3.4	129	18	5.3	0
24/02/2023 05:50	3.1	135	27	5.7	0
24/02/2023 06:00	3	123	30	5.4	0
24/02/2023 06:10	3.2	109	23	5.8	0
24/02/2023 06:20	4.2	117	23	7.2	0
24/02/2023 06:30	5.5	107	20	9.4	0
24/02/2023 06:40	4.7	118	27	7.5	0
24/02/2023 06:50	4.7	114	22	8.1	0
24/02/2023 07:00	4.5	108	22	7.5	0
24/02/2023 07:10	5.5	109	23	8.7	0
24/02/2023 07:20	4.5	99	24	7.1	0
24/02/2023 07:30	4.9	85	16	7.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/02/2023 07:40	4.4	82	18	6.6	0
24/02/2023 07:50	3.9	108	24	6.2	0
24/02/2023 08:00	4.6	104	25	7.7	0
24/02/2023 08:10	4.4	100	23	6.8	0
24/02/2023 08:20	5.2	95	20	8.5	0
24/02/2023 08:30	4.3	97	22	7.6	0
24/02/2023 08:40	4.6	101	22	8.2	0
24/02/2023 08:50	4.3	98	22	6.9	0
24/02/2023 09:00	5	92	19	7.9	0
24/02/2023 09:10	5.8	84	14	8.7	0
24/02/2023 09:20	5	88	17	7.7	0
24/02/2023 09:30	4.6	86	17	6.8	0
24/02/2023 09:40	5.3	83	12	6.8	0
24/02/2023 09:50	5.2	81	14	7.1	0
24/02/2023 10:00	4.2	86	15	5.8	0
24/02/2023 10:10	3.9	86	17	5.6	0
24/02/2023 10:20	4.4	84	15	6	0
24/02/2023 10:30	4.8	83	14	6.5	0
24/02/2023 10:40	4.5	82	12	6.1	1.1
24/02/2023 10:50	4.4	85	15	6.4	0.1
24/02/2023 11:00	4.7	85	14	6	0
24/02/2023 11:10	4.6	84	11	6.4	0
24/02/2023 11:20	4.7	88	15	7	0
24/02/2023 11:30	4.9	84	13	6.9	0
24/02/2023 11:40	4.8	81	14	6.6	0
24/02/2023 11:50	4.6	81	14	6.5	0
24/02/2023 12:00	5.2	74	14	7.1	0
24/02/2023 12:10	4.5	59	12	6.2	0
24/02/2023 12:20	4.7	57	10	6	0
24/02/2023 12:30	4.5	53	13	6.2	0
24/02/2023 12:40	4.4	50	14	6.1	0
24/02/2023 12:50	4.8	49	12	6.3	0
24/02/2023 13:00	4.8	42	14	6.4	0
24/02/2023 13:10	5	42	12	7	0
24/02/2023 13:20	4.9	44	14	7	0
24/02/2023 13:30	4.7	40	13	6.3	0
24/02/2023 13:40	4.9	43	13	6.8	0
24/02/2023 13:50	5	44	13	6.8	0
24/02/2023 14:00	4.7	45	12	6.6	0
24/02/2023 14:10	4.8	44	11	6.7	0
24/02/2023 14:20	4.7	41	12	6.9	0
24/02/2023 14:30	4	44	12	5.1	0
24/02/2023 14:40	4.1	45	14	6.1	0
24/02/2023 14:50	4.2	43	12	5.7	0
24/02/2023 15:00	3.9	37	13	5.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/02/2023 15:10	4.1	37	14	5.6	0
24/02/2023 15:20	4.2	42	14	6	0
24/02/2023 15:30	4.2	38	12	5.6	0
24/02/2023 15:40	4.5	41	12	6	0
24/02/2023 15:50	4.7	35	13	6.5	0
24/02/2023 16:00	5	36	12	6.7	0
24/02/2023 16:10	4.8	35	13	6.4	0
24/02/2023 16:20	5.1	39	14	6.5	0
24/02/2023 16:30	5.3	37	13	7.4	0
24/02/2023 16:40	5	43	12	6.8	0
24/02/2023 16:50	5	39	12	7.2	0
24/02/2023 17:00	5	41	13	7.1	0
24/02/2023 17:10	4.7	40	12	6.3	0
24/02/2023 17:20	4.1	37	13	5.9	0
24/02/2023 17:30	3.9	34	12	5.6	0
24/02/2023 17:40	4.1	39	13	5.5	0
24/02/2023 17:50	4.4	40	13	6.2	0
24/02/2023 18:00	4.2	39	13	5.9	0
24/02/2023 18:10	4	41	13	6	0
24/02/2023 18:20	3.5	29	14	5.3	0
24/02/2023 18:30	3.3	22	15	4.7	0
24/02/2023 18:40	3.5	182	10	4.6	0
24/02/2023 18:50	2.9	18	15	4.2	0
24/02/2023 19:00	2.7	8	11	3.8	0
24/02/2023 19:10	2.1	12	13	3.5	0
24/02/2023 19:20	3.3	353	12	4.6	0
24/02/2023 19:30	3.3	354	12	4.9	0
24/02/2023 19:40	3.1	349	15	4.3	0
24/02/2023 19:50	2.7	347	14	3.9	0
24/02/2023 20:00	2.2	356	12	3	0
24/02/2023 20:10	2	338	13	2.8	0
24/02/2023 20:20	2.1	348	12	3	0
24/02/2023 20:30	1.6	333	13	2.4	0
24/02/2023 20:40	1.8	341	11	2.4	0
24/02/2023 20:50	1.6	323	23	2.4	0
24/02/2023 21:00	2.2	332	12	3	0
24/02/2023 21:10	1.8	313	13	2.4	0
24/02/2023 21:20	1.3	308	20	2	0
24/02/2023 21:30	1.1	271	36	1.8	0
24/02/2023 21:40	0.8	262	43	1.5	0
24/02/2023 21:50	0.8	274	42	1.2	0
24/02/2023 22:00	1.5	181	47	2.3	0
24/02/2023 22:10	3.3	144	20	7	0
24/02/2023 22:20	7.2	130	26	11.8	0.3
24/02/2023 22:30	6.4	119	33	11.9	1.4





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/02/2023 22:40	6.4	127	21	10.7	4.1
24/02/2023 22:50	3.8	154	19	5.8	1.6
24/02/2023 23:00	2.2	176	16	3.9	0.6
24/02/2023 23:10	4.3	173	13	6.3	0.2
24/02/2023 23:20	4.5	178	15	6	0
24/02/2023 23:30	3.6	173	15	4.8	0
24/02/2023 23:40	1.8	238	38	3.6	0
24/02/2023 23:50	3.4	145	17	4.8	0
25/02/2023 00:00	3.2	136	18	5.1	0.1
25/02/2023 00:10	3	151	16	4.2	0.1
25/02/2023 00:20	3.2	153	20	5.2	0
25/02/2023 00:30	4	180	16	7.2	0.2
25/02/2023 00:40	3.2	157	20	5	0.1
25/02/2023 00:50	3.1	160	20	5.3	0.1
25/02/2023 01:00	4.4	194	12	6	0.2
25/02/2023 01:10	4.8	195	9	6.2	0.1
25/02/2023 01:20	4.9	196	11	6.2	0.1
25/02/2023 01:30	4.8	188	11	6.6	0
25/02/2023 01:40	5.4	191	9	6.8	0
25/02/2023 01:50	5.3	191	10	6.5	0
25/02/2023 02:00	5.2	194	9	6.8	0
25/02/2023 02:10	5.4	193	10	6.9	0
25/02/2023 02:20	4.7	195	10	6.4	0
25/02/2023 02:30	3.8	197	11	5	0
25/02/2023 02:40	3.1	196	15	5.1	0
25/02/2023 02:50	2.7	143	44	4.8	0.4
25/02/2023 03:00	4.3	89	21	7	0.3
25/02/2023 03:10	4.8	101	23	7.4	0.8
25/02/2023 03:20	3.3	76	13	4.7	0.9
25/02/2023 03:30	3	77	13	4.3	0.3
25/02/2023 03:40	3.2	79	13	4.7	0.2
25/02/2023 03:50	3.4	86	15	5.2	0.4
25/02/2023 04:00	3.4	89	16	5.1	0.5
25/02/2023 04:10	2.8	82	16	4.4	0.3
25/02/2023 04:20	2.5	78	15	3.4	0.3
25/02/2023 04:30	2.7	68	14	3.8	0.3
25/02/2023 04:40	3.3	72	15	5	0.4
25/02/2023 04:50	3.1	79	13	4.4	0.5
25/02/2023 05:00	2.5	92	16	3.9	0.4
25/02/2023 05:10	2.1	96	17	3.1	0.2
25/02/2023 05:20	2.3	71	14	3.4	0.1
25/02/2023 05:30	1.9	84	12	2.8	0.1
25/02/2023 05:40	1.4	103	16	2.4	0.1
25/02/2023 05:50	1.2	103	17	2.1	0
25/02/2023 06:00	1	124	19	1.8	0.1



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/02/2023 06:10	1	128	29	2.1	0.1
25/02/2023 06:20	3	169	17	5.1	0.1
25/02/2023 06:30	3.4	194	14	4.8	0
25/02/2023 06:40	2.5	194	15	3.6	0
25/02/2023 06:50	2.2	188	21	3.7	0
25/02/2023 07:00	2.5	194	11	3.5	0
25/02/2023 07:10	2	189	14	2.8	0
25/02/2023 07:20	2.4	191	10	3.5	0
25/02/2023 07:30	2.9	185	14	4.2	0
25/02/2023 07:40	2.5	184	15	3.9	0
25/02/2023 07:50	2.7	196	14	3.7	0
25/02/2023 08:00	2.7	193	14	3.8	0
25/02/2023 08:10	3	194	13	4.4	0
25/02/2023 08:20	3.4	193	15	5	0
25/02/2023 08:30	3.8	189	18	5.4	0
25/02/2023 08:40	3.8	198	16	5.6	0
25/02/2023 08:50	3	194	22	5.2	0
25/02/2023 09:00	2.5	173	28	4.1	0
25/02/2023 09:10	2.4	146	36	4.4	0
25/02/2023 09:20	3.6	130	24	6.5	0
25/02/2023 09:30	3.2	111	32	6.3	0
25/02/2023 09:40	3.1	124	33	6.4	0
25/02/2023 09:50	2.8	125	33	5.6	0
25/02/2023 10:00	3.3	118	36	5.2	0
25/02/2023 10:10	3.5	98	23	5.6	0
25/02/2023 10:20	3.3	104	21	5.8	0
25/02/2023 10:30	4.1	88	17	6.1	0
25/02/2023 10:40	4.7	88	16	7.2	0
25/02/2023 10:50	4.4	86	14	5.9	0
25/02/2023 11:00	4.8	81	15	6.2	0
25/02/2023 11:10	4.1	81	14	5.5	0
25/02/2023 11:20	4.1	73	14	5.4	0
25/02/2023 11:30	4.1	78	15	6	0
25/02/2023 11:40	4.2	76	14	5.8	0
25/02/2023 11:50	4.1	70	13	5.5	0
25/02/2023 12:00	3.8	62	15	5.3	0
25/02/2023 12:10	3.9	62	15	5.3	0
25/02/2023 12:20	3.7	58	11	4.8	0
25/02/2023 12:30	4	62	9	5.2	0
25/02/2023 12:40	3.9	53	14	5.6	0
25/02/2023 12:50	4.3	58	10	5.4	0
25/02/2023 13:00	4.1	59	9	5.2	0
25/02/2023 13:10	3.6	52	15	4.5	0
25/02/2023 13:20	3.1	50	12	4.5	0
25/02/2023 13:30	3.1	46	12	4.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/02/2023 13:40	3	46	14	3.8	0
25/02/2023 13:50	3	44	13	4.2	0
25/02/2023 14:00	3.3	37	13	4.4	0
25/02/2023 14:10	3.5	41	15	4.4	0
25/02/2023 14:20	4	44	12	5.2	0
25/02/2023 14:30	4	42	15	5.7	0
25/02/2023 14:40	4.2	42	13	6.2	0
25/02/2023 14:50	4.4	41	13	6	0
25/02/2023 15:00	4.6	41	12	5.9	0
25/02/2023 15:10	4.5	41	15	6.2	0
25/02/2023 15:20	5.1	36	15	7	0
25/02/2023 15:30	5	38	12	6.7	0
25/02/2023 15:40	4.8	38	15	6.6	0
25/02/2023 15:50	4.9	36	13	6.4	0
25/02/2023 16:00	5	35	11	6.8	0
25/02/2023 16:10	4.7	38	13	6.4	0
25/02/2023 16:20	4.4	41	13	6.2	0
25/02/2023 16:30	4.1	42	12	6	0
25/02/2023 16:40	4.2	46	11	5.6	0
25/02/2023 16:50	3.7	45	14	4.9	0
25/02/2023 17:00	3.2	48	13	4.4	0
25/02/2023 17:10	3.3	45	12	4.4	0
25/02/2023 17:20	3.1	51	12	4.3	0
25/02/2023 17:30	3.5	58	11	4.4	0
25/02/2023 17:40	3.1	50	13	4.1	0
25/02/2023 17:50	2.9	45	14	4.4	0
25/02/2023 18:00	2.7	40	14	4	0
25/02/2023 18:10	2.2	42	14	3	0
25/02/2023 18:20	1.9	37	15	2.8	0
25/02/2023 18:30	1.7	27	13	2.3	0
25/02/2023 18:40	1.9	189	20	2.8	0
25/02/2023 18:50	3	329	15	4.2	0
25/02/2023 19:00	3.1	331	12	4.6	0
25/02/2023 19:10	3.4	327	11	4.5	0
25/02/2023 19:20	2.9	335	18	4.2	0
25/02/2023 19:30	2.6	329	12	3.7	0
25/02/2023 19:40	2.7	329	16	3.9	0
25/02/2023 19:50	2	325	17	3.1	0
25/02/2023 20:00	2.4	321	14	3.6	0
25/02/2023 20:10	2	317	22	3.3	0
25/02/2023 20:20	1.5	315	24	2.5	0
25/02/2023 20:30	1.2	308	26	2.2	0
25/02/2023 20:40	1.3	265	26	2.1	0
25/02/2023 20:50	1.4	280	20	2	0
25/02/2023 21:00	0.7	212	30	1.4	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/02/2023 21:10	2	188	12	3.6	0
25/02/2023 21:20	3.2	186	13	4.1	0
25/02/2023 21:30	3.4	164	14	4.6	0
25/02/2023 21:40	2.8	176	13	4	0
25/02/2023 21:50	2.7	168	15	4	0
25/02/2023 22:00	3.2	164	12	4.2	0
25/02/2023 22:10	2.9	173	14	4	0
25/02/2023 22:20	3.4	187	11	4.4	0
25/02/2023 22:30	3	189	11	4.3	0
25/02/2023 22:40	3.3	196	9	4.3	0
25/02/2023 22:50	3.5	186	11	4.9	0
25/02/2023 23:00	3.8	181	14	5.2	0
25/02/2023 23:10	3.8	188	10	5.1	0
25/02/2023 23:20	3.2	180	13	4.8	0
25/02/2023 23:30	3.1	181	13	4.3	0
25/02/2023 23:40	3.9	187	12	5.2	0
25/02/2023 23:50	3.6	184	10	5.2	0
26/02/2023 00:00	3.3	190	11	4.4	0
26/02/2023 00:10	3.1	189	13	4.4	0
26/02/2023 00:20	3.2	182	12	4.5	0
26/02/2023 00:30	3.6	181	10	4.8	0
26/02/2023 00:40	3.4	178	12	4.3	0
26/02/2023 00:50	2.7	189	13	3.6	0
26/02/2023 01:00	2.2	188	13	2.9	0
26/02/2023 01:10	3	178	12	4.3	0
26/02/2023 01:20	2.9	177	9	4	0
26/02/2023 01:30	3.3	178	10	4.2	0
26/02/2023 01:40	2.9	182	11	4.2	0
26/02/2023 01:50	2.9	185	10	4.2	0
26/02/2023 02:00	2.6	186	12	3.6	0
26/02/2023 02:10	2.6	193	12	3.6	0
26/02/2023 02:20	2.1	204	13	2.8	0
26/02/2023 02:30	1.9	207	16	2.6	0
26/02/2023 02:40	2	191	13	2.9	0
26/02/2023 02:50	2.8	181	13	4.3	0
26/02/2023 03:00	2.4	185	13	3.7	0
26/02/2023 03:10	2.4	187	11	3.6	0
26/02/2023 03:20	2.2	186	14	3.5	0
26/02/2023 03:30	2.9	192	12	3.9	0
26/02/2023 03:40	3.4	191	12	5.1	0
26/02/2023 03:50	2.7	194	17	4.1	0
26/02/2023 04:00	2.3	203	15	3.3	0
26/02/2023 04:10	2	215	24	3	0
26/02/2023 04:20	2.4	204	17	3.6	0
26/02/2023 04:30	2.5	204	14	3.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/02/2023 04:40	2.1	202	22	3.1	0
26/02/2023 04:50	2	194	15	3.3	0
26/02/2023 05:00	2.8	192	12	3.9	0
26/02/2023 05:10	2.6	192	14	3.6	0
26/02/2023 05:20	2.8	193	12	4	0
26/02/2023 05:30	3.3	193	12	4.6	0
26/02/2023 05:40	3.5	193	11	4.8	0
26/02/2023 05:50	3.5	194	11	4.9	0
26/02/2023 06:00	3.4	192	11	4.7	0
26/02/2023 06:10	3.7	193	10	4.7	0
26/02/2023 06:20	3.6	189	12	4.7	0
26/02/2023 06:30	3.7	193	10	4.9	0
26/02/2023 06:40	4	189	10	5.5	0
26/02/2023 06:50	4	190	10	5	0
26/02/2023 07:00	3.3	192	13	4.6	0
26/02/2023 07:10	3	192	13	4	0
26/02/2023 07:20	2.6	196	15	3.6	0
26/02/2023 07:30	1.9	168	27	3.3	0
26/02/2023 07:40	2.4	182	16	3.3	0
26/02/2023 07:50	2.2	177	18	3.1	0
26/02/2023 08:00	1.9	132	22	2.8	0
26/02/2023 08:10	1.9	118	24	2.6	0
26/02/2023 08:20	1.9	121	16	2.4	0
26/02/2023 08:30	1.7	90	25	2.5	0
26/02/2023 08:40	2	114	21	3	0
26/02/2023 08:50	2	110	19	3.3	0
26/02/2023 09:00	2.2	78	15	3.1	0
26/02/2023 09:10	1.8	71	27	2.6	0
26/02/2023 09:20	1.6	77	39	2.7	0
26/02/2023 09:30	1.9	68	18	2.7	0
26/02/2023 09:40	2.2	49	22	3.2	0
26/02/2023 09:50	2.2	47	18	3.2	0
26/02/2023 10:00	2	71	20	3	0
26/02/2023 10:10	2.1	62	19	3.1	0
26/02/2023 10:20	2.4	61	18	3.2	0
26/02/2023 10:30	2.4	61	19	3.4	0
26/02/2023 10:40	2.1	49	20	3.3	0
26/02/2023 10:50	2.1	69	20	3.1	0
26/02/2023 11:00	2.6	62	16	3.4	0
26/02/2023 11:10	2.6	53	14	3.6	0
26/02/2023 11:20	2.6	45	11	3.6	0
26/02/2023 11:30	2.7	48	11	3.4	0
26/02/2023 11:40	2.7	48	12	3.5	0
26/02/2023 11:50	3	55	13	3.7	0
26/02/2023 12:00	2.7	48	15	3.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/02/2023 12:10	2.5	49	12	3.2	0
26/02/2023 12:20	2.6	38	15	3.5	0
26/02/2023 12:30	2.7	41	15	3.6	0
26/02/2023 12:40	3.1	36	13	4.1	0
26/02/2023 12:50	3.1	40	15	4.1	0
26/02/2023 13:00	3.1	39	16	4.2	0
26/02/2023 13:10	3.2	43	14	4.7	0
26/02/2023 13:20	3.1	46	15	4	0
26/02/2023 13:30	3.6	47	13	4.7	0
26/02/2023 13:40	3.6	48	10	4.9	0
26/02/2023 13:50	3.2	50	11	4.4	0
26/02/2023 14:00	3.4	51	12	4.4	0
26/02/2023 14:10	3.6	43	10	4.5	0
26/02/2023 14:20	3.3	45	10	4.6	0
26/02/2023 14:30	3	52	11	3.7	0
26/02/2023 14:40	2.9	45	11	4	0
26/02/2023 14:50	2.9	175	16	4.6	0
26/02/2023 15:00	2.9	347	20	4.8	0
26/02/2023 15:10	4.4	345	12	6.1	0
26/02/2023 15:20	4.4	343	17	6.2	0
26/02/2023 15:30	4.2	342	12	5.8	0
26/02/2023 15:40	4	345	16	5.5	0
26/02/2023 15:50	4.3	348	12	6	0
26/02/2023 16:00	4.7	343	12	6	0
26/02/2023 16:10	4.4	350	11	5.7	0
26/02/2023 16:20	4.6	343	13	6.4	0
26/02/2023 16:30	4.4	351	12	5.7	0
26/02/2023 16:40	4.5	344	10	5.9	0
26/02/2023 16:50	4.5	338	11	5.8	0
26/02/2023 17:00	3.5	325	18	5.2	0
26/02/2023 17:10	3.4	318	19	5.8	0
26/02/2023 17:20	3.4	318	23	5.3	0
26/02/2023 17:30	4	320	18	5.7	0
26/02/2023 17:40	3.6	322	17	5.6	0
26/02/2023 17:50	3.9	334	12	5.6	0
26/02/2023 18:00	3.1	321	17	4.4	0
26/02/2023 18:10	2.4	306	20	3.7	0
26/02/2023 18:20	2.3	305	24	4.1	0
26/02/2023 18:30	2.5	301	24	5.5	0
26/02/2023 18:40	2.4	290	20	4	0
26/02/2023 18:50	2.7	289	21	4.8	0
26/02/2023 19:00	2.9	269	25	4.8	0
26/02/2023 19:10	3	272	21	5.2	0
26/02/2023 19:20	2.6	263	27	4.3	0
26/02/2023 19:30	2.8	265	32	4.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/02/2023 19:40	2.6	273	22	4.4	0
26/02/2023 19:50	2.3	253	41	4.2	0
26/02/2023 20:00	2.5	279	24	3.7	0
26/02/2023 20:10	2.5	276	23	4.4	0
26/02/2023 20:20	2.2	269	35	4.6	0
26/02/2023 20:30	1.8	275	51	3.7	0
26/02/2023 20:40	2.3	271	38	4	0
26/02/2023 20:50	2.4	272	48	5.1	0
26/02/2023 21:00	1.6	220	53	2.8	0
26/02/2023 21:10	2.1	271	41	3.5	0
26/02/2023 21:20	1.8	255	48	3.4	0
26/02/2023 21:30	1.9	245	36	4.4	0
26/02/2023 21:40	1.3	217	57	2.7	0
26/02/2023 21:50	1.6	213	53	3.9	0
26/02/2023 22:00	1.5	209	45	3	0
26/02/2023 22:10	1.6	210	31	2.9	0
26/02/2023 22:20	2	222	36	3.4	0
26/02/2023 22:30	2.4	202	20	3.7	0
26/02/2023 22:40	3.8	182	16	6.2	0
26/02/2023 22:50	4.3	185	14	6	0
26/02/2023 23:00	4.2	185	14	5.6	0
26/02/2023 23:10	4.6	182	11	6.5	0
26/02/2023 23:20	4.3	185	12	5.9	0
26/02/2023 23:30	3.4	180	13	4.9	0
26/02/2023 23:40	3.5	189	13	4.8	0
26/02/2023 23:50	2.8	182	16	4.4	0
27/02/2023 00:00	3	167	27	4.5	0
27/02/2023 00:10	3.9	176	24	6	0
27/02/2023 00:20	3.6	186	18	4.9	0
27/02/2023 00:30	3	181	19	4.6	0
27/02/2023 00:40	3	176	19	4.4	0
27/02/2023 00:50	1.9	185	47	3.2	0
27/02/2023 01:00	1.4	272	29	2.2	0
27/02/2023 01:10	1.4	291	19	1.8	0
27/02/2023 01:20	1	179	23	1.4	0
27/02/2023 01:30	0.5	313	12	1	0
27/02/2023 01:40	1	339	10	1.5	0
27/02/2023 01:50	0.7	206	24	1.2	0
27/02/2023 02:00	0.9	291	11	1.5	0
27/02/2023 02:10	1.4	203	25	1.8	0
27/02/2023 02:20	1.1	305	11	1.5	0
27/02/2023 02:30	0.9	297	19	1.5	0
27/02/2023 02:40	0.4	244	9	0.8	0
27/02/2023 02:50	0.6	266	19	1.1	0
27/02/2023 03:00	1.2	204	13	1.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/02/2023 03:10	1.8	218	15	2.2	0
27/02/2023 03:20	1.4	268	15	2.1	0
27/02/2023 03:30	0.9	280	40	1.4	0
27/02/2023 03:40	1	214	38	2	0
27/02/2023 03:50	1.1	233	24	1.7	0
27/02/2023 04:00	1.9	201	11	2.5	0
27/02/2023 04:10	1.5	196	13	2	0
27/02/2023 04:20	1	282	32	1.4	0
27/02/2023 04:30	0.8	207	22	2.1	0
27/02/2023 04:40	1.5	219	35	2.7	0
27/02/2023 04:50	1.3	214	35	2.3	0
27/02/2023 05:00	1.3	244	49	2.3	0
27/02/2023 05:10	1.5	271	26	2.4	0
27/02/2023 05:20	1.3	272	30	2.1	0
27/02/2023 05:30	1.5	254	29	2.5	0
27/02/2023 05:40	1.3	246	44	2.4	0
27/02/2023 05:50	1.6	253	34	2.9	0
27/02/2023 06:00	2	250	34	3.6	0
27/02/2023 06:10	1.5	203	35	2.5	0
27/02/2023 06:20	2.5	200	18	4	0
27/02/2023 06:30	2.3	196	14	3.8	0
27/02/2023 06:40	3	193	11	3.8	0
27/02/2023 06:50	3.7	186	12	5.4	0
27/02/2023 07:00	3.6	180	11	5	0
27/02/2023 07:10	3.5	185	13	4.9	0
27/02/2023 07:20	3.3	185	12	4.8	0
27/02/2023 07:30	2.4	191	16	4	0
27/02/2023 07:40	1.7	176	29	3.3	0
27/02/2023 07:50	2.6	181	18	4.1	0
27/02/2023 08:00	2.7	176	25	4.2	0
27/02/2023 08:10	2.6	187	19	4.4	0
27/02/2023 08:20	2.6	180	22	3.9	0
27/02/2023 08:30	2.5	173	20	3.8	0
27/02/2023 08:40	2.7	179	17	4	0
27/02/2023 08:50	2.4	167	37	4	0
27/02/2023 09:00	2.3	197	21	4.2	0
27/02/2023 09:10	2	184	25	3.5	0
27/02/2023 09:20	2.3	139	23	3.6	0
27/02/2023 09:30	2.1	183	27	3.2	0
27/02/2023 09:40	2.1	152	26	3.6	0
27/02/2023 09:50	2.1	145	49	3.7	0
27/02/2023 10:00	1.9	133	32	2.8	0
27/02/2023 10:10	2.1	108	37	3.1	0
27/02/2023 10:20	2	96	30	3.5	0
27/02/2023 10:30	2.9	48	15	4	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/02/2023 10:40	2.8	57	15	3.8	0
27/02/2023 10:50	2.3	75	18	3.5	0
27/02/2023 11:00	2.6	55	13	3.3	0
27/02/2023 11:10	2.4	58	19	3.2	0
27/02/2023 11:20	3	55	13	3.8	0
27/02/2023 11:30	3.1	54	16	4	0
27/02/2023 11:40	3.2	60	13	4.1	0
27/02/2023 11:50	3.2	51	14	4.4	0
27/02/2023 12:00	2.5	37	32	4.4	0
27/02/2023 12:10	2.7	311	34	4.8	0
27/02/2023 12:20	3.1	309	26	4.8	0
27/02/2023 12:30	3.8	327	17	5.6	0
27/02/2023 12:40	4.6	330	16	6.3	0
27/02/2023 12:50	4.2	316	20	6.6	0
27/02/2023 13:00	4.7	321	17	6.8	0
27/02/2023 13:10	5	324	16	7.4	0
27/02/2023 13:20	5.5	333	13	7.6	0
27/02/2023 13:30	5.1	329	14	7.4	0
27/02/2023 13:40	4.9	321	17	7.4	0
27/02/2023 13:50	4.8	329	16	6.5	0
27/02/2023 14:00	5.3	324	16	7.1	0
27/02/2023 14:10	4.8	321	18	6.6	0
27/02/2023 14:20	5.2	318	20	7.8	0
27/02/2023 14:30	5.3	320	19	7.8	0
27/02/2023 14:40	5.8	326	14	8.4	0
27/02/2023 14:50	5.4	317	17	8.3	0
27/02/2023 15:00	5.3	317	21	8.6	0
27/02/2023 15:10	4.5	312	21	7.5	0
27/02/2023 15:20	5.1	316	21	7.5	0
27/02/2023 15:30	5.5	319	17	8.3	0
27/02/2023 15:40	6.2	327	13	9	0
27/02/2023 15:50	6.1	318	15	8.8	0
27/02/2023 16:00	4.7	316	19	8.1	0
27/02/2023 16:10	4.5	312	21	6.8	0
27/02/2023 16:20	5.5	326	15	7.6	0
27/02/2023 16:30	4.7	316	19	7.5	0
27/02/2023 16:40	5.6	314	19	8.1	0
27/02/2023 16:50	4.8	313	22	6.9	0
27/02/2023 17:00	4.8	315	20	7.1	0
27/02/2023 17:10	4.1	305	21	6.5	0
27/02/2023 17:20	3.7	305	18	6.4	0
27/02/2023 17:30	3.4	293	24	6.3	0
27/02/2023 17:40	2.8	286	23	5.1	0
27/02/2023 17:50	3	292	23	4.4	0
27/02/2023 18:00	2.6	275	21	4.3	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/02/2023 18:10	2.9	277	23	4.4	0
27/02/2023 18:20	2.3	273	24	4.1	0
27/02/2023 18:30	1.9	254	30	4.1	0
27/02/2023 18:40	2.4	275	21	3.9	0
27/02/2023 18:50	1.7	248	35	3	0
27/02/2023 19:00	1.9	246	31	2.8	0
27/02/2023 19:10	2.4	289	23	3.6	0
27/02/2023 19:20	2.5	280	18	4.3	0
27/02/2023 19:30	2.5	279	24	3.6	0
27/02/2023 19:40	2.7	279	20	4	0
27/02/2023 19:50	2.7	266	23	4.2	0
27/02/2023 20:00	2.8	268	19	4.1	0
27/02/2023 20:10	2.2	267	32	3.6	0
27/02/2023 20:20	2.3	262	35	3.7	0
27/02/2023 20:30	2.6	266	26	4.3	0
27/02/2023 20:40	2.5	279	24	4	0
27/02/2023 20:50	2.2	269	32	3.9	0
27/02/2023 21:00	2.1	260	43	4.3	0
27/02/2023 21:10	2.5	276	19	4.1	0
27/02/2023 21:20	2.4	273	20	3.6	0
27/02/2023 21:30	1.3	206	63	3	0
27/02/2023 21:40	1.8	270	26	2.9	0
27/02/2023 21:50	1.8	264	40	3.3	0
27/02/2023 22:00	1.6	228	49	3.3	0
27/02/2023 22:10	1.4	259	42	2.7	0
27/02/2023 22:20	1.4	217	31	2.5	0
27/02/2023 22:30	1.1	164	46	2	0
27/02/2023 22:40	1.6	203	26	2.5	0
27/02/2023 22:50	1.1	237	51	2	0
27/02/2023 23:00	1.3	195	42	2	0
27/02/2023 23:10	1.3	221	32	2.1	0
27/02/2023 23:20	1.7	191	34	2.8	0
27/02/2023 23:30	1.2	209	49	2.5	0
27/02/2023 23:40	2	213	24	3.2	0
27/02/2023 23:50	1.4	210	35	2.4	0
28/02/2023 00:00	0.8	202	45	1.7	0
28/02/2023 00:10	1.2	226	30	2	0
28/02/2023 00:20	1.2	264	39	2.3	0
28/02/2023 00:30	1.1	228	49	1.6	0
28/02/2023 00:40	1.3	261	31	2.2	0
28/02/2023 00:50	0.6	258	57	1.4	0
28/02/2023 01:00	0.8	240	50	1.6	0
28/02/2023 01:10	0.9	244	51	1.6	0
28/02/2023 01:20	0.9	236	42	1.6	0
28/02/2023 01:30	0.9	246	48	1.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/02/2023 01:40	1.1	204	34	1.9	0
28/02/2023 01:50	0.8	233	50	1.6	0
28/02/2023 02:00	1	195	30	1.9	0
28/02/2023 02:10	0.3	132	32	0.9	0
28/02/2023 02:20	1	265	21	1.5	0
28/02/2023 02:30	1.6	275	19	2.5	0
28/02/2023 02:40	1.4	280	39	2	0
28/02/2023 02:50	2.3	334	22	3.6	0
28/02/2023 03:00	2.5	266	23	4	0
28/02/2023 03:10	2.7	282	25	5	0
28/02/2023 03:20	3	269	28	5.4	0
28/02/2023 03:30	2.8	255	27	5	0
28/02/2023 03:40	2.4	263	44	4.4	0
28/02/2023 03:50	2.2	227	35	3.7	0
28/02/2023 04:00	1.9	224	38	3.6	0
28/02/2023 04:10	2.3	236	35	4.1	0
28/02/2023 04:20	2.5	280	32	4.6	0
28/02/2023 04:30	1.8	254	46	3.4	0
28/02/2023 04:40	1.6	231	59	3.3	0
28/02/2023 04:50	1.4	244	58	2.8	0
28/02/2023 05:00	1.3	236	56	2.8	0
28/02/2023 05:10	1.2	210	42	2.4	0
28/02/2023 05:20	1.3	197	44	2.5	0
28/02/2023 05:30	1.2	247	65	2.5	0
28/02/2023 05:40	1.1	240	54	2.4	0
28/02/2023 05:50	1	315	37	1.9	0
28/02/2023 06:00	1.5	220	40	2.8	0
28/02/2023 06:10	2	196	33	3.6	0
28/02/2023 06:20	2	222	41	3.9	0
28/02/2023 06:30	2.1	223	38	4	0
28/02/2023 06:40	1.7	215	41	3.6	0
28/02/2023 06:50	2.3	213	30	4.2	0
28/02/2023 07:00	3.2	193	17	5.1	0
28/02/2023 07:10	2.7	214	36	4.7	0
28/02/2023 07:20	2.6	203	34	4.1	0
28/02/2023 07:30	2.9	202	14	4.4	0
28/02/2023 07:40	2.9	196	13	4.2	0
28/02/2023 07:50	3.4	197	12	4.3	0
28/02/2023 08:00	2.5	191	16	3.8	0
28/02/2023 08:10	3.2	201	14	4.5	0
28/02/2023 08:20	2.1	208	23	4	0
28/02/2023 08:30	2.1	205	27	4.1	0
28/02/2023 08:40	2.6	200	17	3.7	0
28/02/2023 08:50	2.6	194	20	3.6	0
28/02/2023 09:00	2.2	202	16	3.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/02/2023 09:10	2.1	189	18	3.2	0
28/02/2023 09:20	2.2	202	22	3.4	0
28/02/2023 09:30	2.4	189	21	3.6	0
28/02/2023 09:40	2.6	180	17	3.7	0
28/02/2023 09:50	1.7	205	35	2.4	0
28/02/2023 10:00	1.6	192	36	2.9	0
28/02/2023 10:10	1.7	159	53	3.2	0
28/02/2023 10:20	1.7	144	38	2.8	0
28/02/2023 10:30	2	151	19	3	0
28/02/2023 10:40	1.5	121	29	2.6	0
28/02/2023 10:50	2.3	55	14	3	0
28/02/2023 11:00	2.6	187	17	3.7	0
28/02/2023 11:10	2	176	30	3.1	0
28/02/2023 11:20	2.6	323	20	4	0
28/02/2023 11:30	2.8	322	17	4	0
28/02/2023 11:40	2.4	327	27	3.8	0
28/02/2023 11:50	2.6	319	39	4.7	0
28/02/2023 12:00	3.2	327	17	4.8	0
28/02/2023 12:10	3.3	332	22	5	0
28/02/2023 12:20	2.8	293	27	4	0
28/02/2023 12:30	2.7	300	32	5.1	0
28/02/2023 12:40	3.1	293	22	5	0
28/02/2023 12:50	3.5	310	19	5.3	0
28/02/2023 13:00	3.6	309	23	5.7	0
28/02/2023 13:10	3.4	296	27	5.2	0
28/02/2023 13:20	3.5	313	22	5.4	0
28/02/2023 13:30	3.4	301	19	5.2	0
28/02/2023 13:40	3.6	301	22	5.7	0
28/02/2023 13:50	3.5	304	23	5.2	0
28/02/2023 14:00	4	300	20	6	0
28/02/2023 14:10	4	298	23	6	0
28/02/2023 14:20	4.2	299	18	6.7	0
28/02/2023 14:30	4	292	25	6.4	0
28/02/2023 14:40	4.6	299	22	8.1	0
28/02/2023 14:50	4.8	295	21	7.2	0
28/02/2023 15:00	5.6	301	17	8.3	0
28/02/2023 15:10	4.8	299	20	7.2	0
28/02/2023 15:20	4	288	25	6.4	0
28/02/2023 15:30	4.2	291	23	7.4	0
28/02/2023 15:40	5	301	19	7.9	0
28/02/2023 15:50	5.1	301	18	7.3	0
28/02/2023 16:00	4.7	296	20	7.2	0
28/02/2023 16:10	4.4	281	21	7.1	0
28/02/2023 16:20	4.8	300	21	8.4	0
28/02/2023 16:30	4.4	281	25	6.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/02/2023 16:40	4.5	270	20	6.8	0
28/02/2023 16:50	4.1	268	22	6.3	0
28/02/2023 17:00	3.3	251	41	6	0
28/02/2023 17:10	3.4	262	33	6.1	0
28/02/2023 17:20	3.3	258	41	5.9	0
28/02/2023 17:30	2.9	247	42	5.2	0
28/02/2023 17:40	3	240	44	5.6	0
28/02/2023 17:50	3.7	269	31	6.5	0
28/02/2023 18:00	4	272	23	5.9	0
28/02/2023 18:10	4	269	19	6.5	0
28/02/2023 18:20	3.9	273	20	5.8	0
28/02/2023 18:30	3.2	274	30	5.6	0
28/02/2023 18:40	3.3	273	22	5.4	0
28/02/2023 18:50	2.7	260	45	5.5	0
28/02/2023 19:00	2.2	247	41	4.5	0
28/02/2023 19:10	2.4	267	47	4.7	0
28/02/2023 19:20	2.4	249	52	5.1	0
28/02/2023 19:30	2.5	228	52	5.2	0
28/02/2023 19:40	2.5	235	49	4.7	0
28/02/2023 19:50	2.6	259	46	4.8	0
28/02/2023 20:00	2.5	239	55	5	0
28/02/2023 20:10	2.5	245	42	5	0
28/02/2023 20:20	2	228	64	4.3	0
28/02/2023 20:30	1.9	228	62	4.1	0
28/02/2023 20:40	2	218	54	3.7	0
28/02/2023 20:50	2.3	252	36	4.6	0
28/02/2023 21:00	2.1	240	48	3.2	0
28/02/2023 21:10	2	227	43	4.3	0
28/02/2023 21:20	1.8	232	61	3.7	0
28/02/2023 21:30	1.7	210	63	3.9	0
28/02/2023 21:40	1.7	237	51	2.8	0
28/02/2023 21:50	2	244	38	3.4	0
28/02/2023 22:00	1.7	225	67	3.2	0
28/02/2023 22:10	1.9	252	38	3.8	0
28/02/2023 22:20	1.9	247	37	3.3	0
28/02/2023 22:30	1.7	251	61	4.1	0
28/02/2023 22:40	1.6	237	59	2.9	0
28/02/2023 22:50	1.3	234	87	2.1	0
28/02/2023 23:00	1.6	242	56	3.2	0
28/02/2023 23:10	1.6	217	53	3.3	0
28/02/2023 23:20	1.6	230	57	2.8	0
28/02/2023 23:30	1.5	205	48	2.9	0
28/02/2023 23:40	1.9	199	29	3	0
28/02/2023 23:50	1.7	221	35	2.4	0
03/01/2023 00:00	1.1	189	48	1.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/01/2023 00:10	1.2	204	55	2.8	0
03/01/2023 00:20	1.4	259	54	2.7	0
03/01/2023 00:30	1.4	262	49	2.8	0
03/01/2023 00:40	1.2	246	54	2.1	0
03/01/2023 00:50	1.6	252	58	2.8	0
03/01/2023 01:00	1.4	223	62	2.8	0
03/01/2023 01:10	1.4	216	53	2.8	0
03/01/2023 01:20	1.8	241	58	3.9	0
03/01/2023 01:30	2.1	263	61	4.4	0
03/01/2023 01:40	1.9	251	51	4.3	0
03/01/2023 01:50	1.9	244	46	3.2	0
03/01/2023 02:00	1.9	234	59	3.3	0
03/01/2023 02:10	2.5	243	41	4.9	0
03/01/2023 02:20	2.1	272	36	4.4	0
03/01/2023 02:30	1.7	225	55	3.5	0
03/01/2023 02:40	2	251	52	4.7	0
03/01/2023 02:50	2.9	220	43	5.7	0
03/01/2023 03:00	3.1	222	41	6.1	0
03/01/2023 03:10	3.2	214	31	6.2	0
03/01/2023 03:20	3.3	214	30	5.6	0
03/01/2023 03:30	2.4	221	42	4.8	0
03/01/2023 03:40	1.5	231	60	3.4	0
03/01/2023 03:50	1.6	229	65	3	0
03/01/2023 04:00	1.5	197	57	3.6	0
03/01/2023 04:10	1.8	213	41	4	0
03/01/2023 04:20	1.4	179	48	2.7	0
03/01/2023 04:30	1.9	194	26	3.2	0
03/01/2023 04:40	1.2	218	57	2.4	0
03/01/2023 04:50	1.6	195	52	2.8	0
03/01/2023 05:00	2	211	32	3.8	0
03/01/2023 05:10	2.3	218	31	3.7	0
03/01/2023 05:20	1.5	221	55	3	0
03/01/2023 05:30	1.4	225	46	2.8	0
03/01/2023 05:40	1.3	217	49	2.5	0
03/01/2023 05:50	1.8	269	37	3.2	0
03/01/2023 06:00	1.8	266	47	2.9	0
03/01/2023 06:10	1.3	273	56	2.6	0
03/01/2023 06:20	1.2	262	51	2.4	0
03/01/2023 06:30	1.5	271	35	2.8	0
03/01/2023 06:40	1.4	289	24	3	0
03/01/2023 06:50	1.7	284	17	2.4	0
03/01/2023 07:00	1.6	253	48	3.1	0
03/01/2023 07:10	1.8	276	23	3	0
03/01/2023 07:20	2	288	21	3	0
03/01/2023 07:30	2.1	282	18	3.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/01/2023 07:40	1.7	240	46	3.2	0
03/01/2023 07:50	1.3	217	56	2.4	0
03/01/2023 08:00	1.5	268	33	2.5	0
03/01/2023 08:10	2	249	40	3.6	0
03/01/2023 08:20	2	255	30	3.6	0
03/01/2023 08:30	1.8	252	41	2.8	0
03/01/2023 08:40	1.6	235	52	3.2	0
03/01/2023 08:50	2.6	263	41	4.4	0
03/01/2023 09:00	2.8	268	33	4.4	0
03/01/2023 09:10	3	268	28	5.4	0
03/01/2023 09:20	2.8	260	31	5.6	0
03/01/2023 09:30	3.5	271	24	6	0
03/01/2023 09:40	3.6	280	21	6.2	0
03/01/2023 09:50	3.2	270	22	4.9	0
03/01/2023 10:00	3.3	274	25	5.2	0
03/01/2023 10:10	3.7	284	23	6.1	0
03/01/2023 10:20	3.9	278	24	6.5	0
03/01/2023 10:30	3.9	275	23	5.9	0
03/01/2023 10:40	4.1	284	21	6.1	0
03/01/2023 10:50	4.2	270	21	6.5	0
03/01/2023 11:00	4.9	282	24	7.8	0
03/01/2023 11:10	3.9	286	25	6.2	0
03/01/2023 11:20	4.6	286	23	6.9	0
03/01/2023 11:30	4.9	294	21	7.2	0
03/01/2023 11:40	5.4	296	23	8.8	0
03/01/2023 11:50	4.5	282	26	7.4	0
03/01/2023 12:00	4.2	271	22	6.8	0
03/01/2023 12:10	4.5	282	26	7.3	0
03/01/2023 12:20	4.6	273	26	6.7	0
03/01/2023 12:30	4.9	278	19	7.9	0
03/01/2023 12:40	4.8	278	22	7.1	0
03/01/2023 12:50	4.6	273	25	8.1	0
03/01/2023 13:00	4.5	274	24	7.4	0
03/01/2023 13:10	4.9	274	22	7.4	0
03/01/2023 13:20	4.5	268	26	7.6	0
03/01/2023 13:30	4.7	277	23	7.4	0
03/01/2023 13:40	5	278	19	7	0
03/01/2023 13:50	4.5	273	27	7.5	0
03/01/2023 14:00	4.8	272	25	7.7	0
03/01/2023 14:10	4.9	278	23	7.4	0
03/01/2023 14:20	4.8	270	26	7.6	0
03/01/2023 14:30	4.7	273	21	7.1	0
03/01/2023 14:40	4.6	275	24	7.9	0
03/01/2023 14:50	4.7	275	24	7.6	0
03/01/2023 15:00	4.8	273	20	7.2	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/01/2023 15:10	4.6	274	22	7.1	0
03/01/2023 15:20	4.4	269	23	7.9	0
03/01/2023 15:30	5	273	22	7.4	0
03/01/2023 15:40	5.1	277	19	8.4	0
03/01/2023 15:50	5	275	20	7.2	0
03/01/2023 16:00	4.7	276	21	7.5	0
03/01/2023 16:10	4.4	269	26	7.7	0
03/01/2023 16:20	4.6	273	24	7.2	0
03/01/2023 16:30	3.8	267	31	6.7	0
03/01/2023 16:40	3.5	255	36	7.1	0
03/01/2023 16:50	4.2	273	30	7	0
03/01/2023 17:00	3.8	268	34	6.8	0
03/01/2023 17:10	3.4	253	45	5.9	0
03/01/2023 17:20	3.5	261	33	6.1	0
03/01/2023 17:30	3.7	260	31	6.8	0
03/01/2023 17:40	4.1	265	27	6.2	0
03/01/2023 17:50	3.9	263	34	7.5	0
03/01/2023 18:00	3.7	266	33	6	0
03/01/2023 18:10	3.1	248	37	5.7	0
03/01/2023 18:20	3.6	270	32	6.1	0
03/01/2023 18:30	3.6	270	28	6.6	0
03/01/2023 18:40	3.1	262	36	4.8	0
03/01/2023 18:50	2.4	237	39	5	0
03/01/2023 19:00	3.1	253	31	5.4	0
03/01/2023 19:10	2.7	248	36	5.2	0
03/01/2023 19:20	2.5	220	45	5.5	0
03/01/2023 19:30	2.6	211	42	4.8	0
03/01/2023 19:40	5.7	196	16	8	0
03/01/2023 19:50	5.2	205	19	7.9	0
03/01/2023 20:00	4.4	205	22	7.4	0
03/01/2023 20:10	6.5	187	15	9.9	0
03/01/2023 20:20	7.4	192	11	9.6	0
03/01/2023 20:30	7.1	189	11	9.5	0
03/01/2023 20:40	6.2	191	11	8.7	0
03/01/2023 20:50	5.7	194	12	8.4	0
03/01/2023 21:00	5.4	201	11	7	0
03/01/2023 21:10	3.5	220	26	6.1	0
03/01/2023 21:20	1.8	280	25	3.2	0
03/01/2023 21:30	2.1	268	16	3.2	0
03/01/2023 21:40	2.1	257	20	3	0
03/01/2023 21:50	2.1	238	24	3.2	0
03/01/2023 22:00	2	249	24	3.2	0
03/01/2023 22:10	2	251	25	2.8	0
03/01/2023 22:20	1.3	249	55	2.8	0
03/01/2023 22:30	1.3	197	26	2.1	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/01/2023 22:40	1.4	239	27	2.1	0
03/01/2023 22:50	1	245	38	2.1	0
03/01/2023 23:00	1.5	191	22	2.4	0
03/01/2023 23:10	1.1	206	46	1.9	0
03/01/2023 23:20	1.2	244	45	2.5	0
03/01/2023 23:30	1.7	268	46	3.5	0
03/01/2023 23:40	1.6	269	63	3.6	0
03/01/2023 23:50	1.6	280	38	2.8	0
03/02/2023 00:00	1.6	254	45	2.7	0
03/02/2023 00:10	1.2	220	46	2.4	0
03/02/2023 00:20	1.4	272	30	2.6	0
03/02/2023 00:30	1.1	247	66	2.3	0
03/02/2023 00:40	1.2	208	42	2.4	0
03/02/2023 00:50	1	258	49	2.1	0
03/02/2023 01:00	1.4	216	55	3.3	0
03/02/2023 01:10	1.3	269	35	2.3	0
03/02/2023 01:20	1.4	291	23	2.2	0
03/02/2023 01:30	1.1	247	47	2.2	0
03/02/2023 01:40	1.2	206	62	2.2	0
03/02/2023 01:50	1.4	260	48	2.4	0
03/02/2023 02:00	1.8	277	22	3	0
03/02/2023 02:10	1.8	278	29	2.9	0
03/02/2023 02:20	1.1	268	44	2.4	0
03/02/2023 02:30	1.2	255	46	2.4	0
03/02/2023 02:40	0.8	221	66	1.5	0
03/02/2023 02:50	0.7	171	65	1.6	0
03/02/2023 03:00	1	258	53	1.6	0
03/02/2023 03:10	1	226	65	1.7	0
03/02/2023 03:20	1	253	58	2	0
03/02/2023 03:30	1.2	282	42	2.6	0
03/02/2023 03:40	1.2	291	28	2.1	0
03/02/2023 03:50	1.1	240	36	1.9	0
03/02/2023 04:00	0.6	157	33	1.4	0
03/02/2023 04:10	0.9	180	19	1.8	0
03/02/2023 04:20	1.1	183	32	1.8	0
03/02/2023 04:30	0.5	232	21	1.5	0
03/02/2023 04:40	1.5	189	12	2	0
03/02/2023 04:50	1.3	246	18	2	0
03/02/2023 05:00	1.4	276	9	1.9	0
03/02/2023 05:10	1.3	276	8	1.8	0
03/02/2023 05:20	1.6	262	10	2	0
03/02/2023 05:30	1.6	254	13	2.1	0
03/02/2023 05:40	1.6	262	10	2.1	0
03/02/2023 05:50	1.7	261	8	2.2	0
03/02/2023 06:00	1.7	253	12	2.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/02/2023 06:10	1.7	257	10	2.1	0
03/02/2023 06:20	1.8	262	10	2.3	0
03/02/2023 06:30	1.4	234	20	2	0
03/02/2023 06:40	0.4	118	20	1	0
03/02/2023 06:50	0.5	272	27	1	0
03/02/2023 07:00	1	197	21	1.4	0
03/02/2023 07:10	1	207	20	1.6	0
03/02/2023 07:20	1.1	231	20	1.7	0
03/02/2023 07:30	1.2	202	19	1.8	0
03/02/2023 07:40	2	207	10	2.6	0
03/02/2023 07:50	2	238	20	2.8	0
03/02/2023 08:00	1.9	257	16	2.7	0
03/02/2023 08:10	1.5	243	29	2.7	0
03/02/2023 08:20	2.1	245	28	2.8	0
03/02/2023 08:30	1.7	222	29	2.8	0
03/02/2023 08:40	2.2	199	19	3.4	0
03/02/2023 08:50	3	197	19	5.2	0
03/02/2023 09:00	3.5	197	17	5.1	0
03/02/2023 09:10	3.1	201	15	4.8	0
03/02/2023 09:20	3.1	196	17	4.8	0
03/02/2023 09:30	2.7	197	18	4.5	0
03/02/2023 09:40	2.8	204	17	4.8	0
03/02/2023 09:50	1.8	166	40	3.4	0
03/02/2023 10:00	1.7	171	31	2.8	0
03/02/2023 10:10	1.7	163	39	2.7	0
03/02/2023 10:20	1.8	128	36	3.2	0
03/02/2023 10:30	1.7	111	23	2.8	0
03/02/2023 10:40	2.2	64	17	3.2	0
03/02/2023 10:50	1.7	57	23	2.6	0
03/02/2023 11:00	2.2	46	12	2.9	0
03/02/2023 11:10	2.5	57	11	3.2	0
03/02/2023 11:20	2.2	31	24	3	0
03/02/2023 11:30	2.3	277	24	3.8	0
03/02/2023 11:40	3	312	25	4.5	0
03/02/2023 11:50	3.3	319	23	5.6	0
03/02/2023 12:00	3.2	296	22	5.3	0
03/02/2023 12:10	3.5	304	20	5.5	0
03/02/2023 12:20	3.7	296	21	6	0
03/02/2023 12:30	3.9	294	23	6.6	0
03/02/2023 12:40	4.2	300	21	6.7	0
03/02/2023 12:50	4.4	303	22	6.4	0
03/02/2023 13:00	4.5	291	22	7.2	0
03/02/2023 13:10	4.7	303	20	6.8	0
03/02/2023 13:20	3.7	276	27	5.8	0
03/02/2023 13:30	4.3	263	28	6.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/02/2023 13:40	4.6	277	21	7.3	0
03/02/2023 13:50	4.4	276	19	6.9	0
03/02/2023 14:00	4.4	275	23	6.6	0
03/02/2023 14:10	4.5	278	20	6.8	0
03/02/2023 14:20	4.2	272	25	6.1	0
03/02/2023 14:30	4.1	276	21	6.9	0
03/02/2023 14:40	4.4	273	23	6.9	0
03/02/2023 14:50	4.6	273	20	6.8	0
03/02/2023 15:00	4.6	274	22	7.5	0
03/02/2023 15:10	3.9	278	23	6.4	0
03/02/2023 15:20	4	271	27	6.8	0
03/02/2023 15:30	4.2	278	26	7.1	0
03/02/2023 15:40	4.5	269	26	7.4	0
03/02/2023 15:50	4.3	274	21	7.1	0
03/02/2023 16:00	4.3	279	20	6.9	0
03/02/2023 16:10	4.7	265	24	7.9	0
03/02/2023 16:20	4.9	272	24	7.5	0
03/02/2023 16:30	5	274	20	7.7	0
03/02/2023 16:40	4.3	272	22	7.1	0
03/02/2023 16:50	4.5	271	27	7.5	0
03/02/2023 17:00	4.5	273	19	6.8	0
03/02/2023 17:10	4.7	275	23	7.5	0
03/02/2023 17:20	4.8	268	22	7.1	0
03/02/2023 17:30	4.5	273	22	6.8	0
03/02/2023 17:40	4.5	276	27	6.8	0
03/02/2023 17:50	4.4	275	24	7.9	0
03/02/2023 18:00	3.8	273	31	6.3	0
03/02/2023 18:10	4	262	36	7.4	0
03/02/2023 18:20	4.7	266	24	8	0
03/02/2023 18:30	4	276	25	6.7	0
03/02/2023 18:40	4.4	268	24	6.9	0
03/02/2023 18:50	3.9	233	29	7	0
03/02/2023 19:00	3.2	240	33	5.6	0
03/02/2023 19:10	2.9	229	32	5.2	0
03/02/2023 19:20	2.1	227	48	3.6	0
03/02/2023 19:30	2.3	250	40	4.3	0
03/02/2023 19:40	2.5	264	39	4.9	0
03/02/2023 19:50	3	275	22	4.8	0
03/02/2023 20:00	3	273	39	4.8	0
03/02/2023 20:10	2.6	253	38	4.8	0
03/02/2023 20:20	3.9	201	18	5.6	0
03/02/2023 20:30	2.6	209	28	4.1	0
03/02/2023 20:40	2.1	228	39	4.2	0
03/02/2023 20:50	3.3	220	27	5.9	0
03/02/2023 21:00	5.6	188	13	8.1	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/02/2023 21:10	5.7	195	11	7.7	0
03/02/2023 21:20	5.4	189	12	7.4	0
03/02/2023 21:30	5.8	195	11	7.8	0
03/02/2023 21:40	5	196	13	7.6	0
03/02/2023 21:50	5.5	190	13	7.8	0
03/02/2023 22:00	5.5	193	14	7.2	0
03/02/2023 22:10	5.5	202	14	7.3	0
03/02/2023 22:20	5.1	198	14	6.8	0
03/02/2023 22:30	3.7	208	19	5.9	0
03/02/2023 22:40	3.3	210	21	5.9	0
03/02/2023 22:50	4	192	13	6.3	0
03/02/2023 23:00	4	192	12	5.9	0
03/02/2023 23:10	2.6	195	13	3.6	0
03/02/2023 23:20	2	207	23	3.3	0
03/02/2023 23:30	2.1	246	22	3.2	0
03/02/2023 23:40	2.1	266	12	3	0
03/02/2023 23:50	1.8	274	11	2.5	0
03/03/2023 00:00	1.5	252	25	2.4	0
03/03/2023 00:10	1.5	281	17	2.3	0
03/03/2023 00:20	1.6	281	25	2.5	0
03/03/2023 00:30	1.6	260	30	2.4	0
03/03/2023 00:40	1.3	256	38	2.1	0
03/03/2023 00:50	1.4	230	37	2.4	0
03/03/2023 01:00	2	284	23	3.4	0
03/03/2023 01:10	2.3	286	18	3.5	0
03/03/2023 01:20	2.2	285	23	3.2	0
03/03/2023 01:30	2.2	283	19	3.4	0
03/03/2023 01:40	2.6	270	26	4.4	0
03/03/2023 01:50	2.6	283	19	4.1	0
03/03/2023 02:00	3	279	18	4.8	0
03/03/2023 02:10	2.8	288	22	4.4	0
03/03/2023 02:20	3.5	305	18	5.3	0
03/03/2023 02:30	3.4	306	18	4.9	0
03/03/2023 02:40	2.2	293	27	3.7	0
03/03/2023 02:50	1.7	242	46	3.2	0
03/03/2023 03:00	2	267	25	3.2	0
03/03/2023 03:10	1.9	270	26	2.8	0
03/03/2023 03:20	1.8	276	24	3	0
03/03/2023 03:30	1.4	271	22	2.3	0
03/03/2023 03:40	1.5	289	22	2.6	0
03/03/2023 03:50	1.1	302	24	1.8	0
03/03/2023 04:00	1.3	286	32	2.1	0
03/03/2023 04:10	1.9	308	22	2.8	0
03/03/2023 04:20	1.9	306	17	3.3	0
03/03/2023 04:30	2.8	314	19	4.4	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/03/2023 04:40	3.3	293	20	4.8	0
03/03/2023 04:50	4.2	307	19	6.5	0
03/03/2023 05:00	4.6	326	17	6.8	0
03/03/2023 05:10	5.2	326	14	7.5	0
03/03/2023 05:20	4.4	328	16	6.6	0
03/03/2023 05:30	4.5	319	19	7	0
03/03/2023 05:40	4.2	321	21	6.6	0
03/03/2023 05:50	4	318	19	5.8	0
03/03/2023 06:00	3.9	310	19	6	0
03/03/2023 06:10	3.7	312	19	6	0
03/03/2023 06:20	2.9	288	25	4.6	0
03/03/2023 06:30	2.8	276	28	4.8	0
03/03/2023 06:40	3.1	270	24	4.3	0
03/03/2023 06:50	2.8	273	23	4.7	0
03/03/2023 07:00	2.5	234	34	4	0
03/03/2023 07:10	2.9	270	26	5	0
03/03/2023 07:20	3.2	272	20	5.2	0
03/03/2023 07:30	2.3	262	44	4.4	0
03/03/2023 07:40	2.7	275	30	4.8	0
03/03/2023 07:50	3.2	268	28	5.6	0
03/03/2023 08:00	2.7	267	24	4.3	0
03/03/2023 08:10	2.9	274	23	4.4	0
03/03/2023 08:20	3	274	23	5.1	0
03/03/2023 08:30	2.8	269	26	5.4	0
03/03/2023 08:40	3.1	268	25	5.6	0
03/03/2023 08:50	2.9	285	24	4.8	0
03/03/2023 09:00	3.1	279	26	4.8	0
03/03/2023 09:10	4	296	24	5.8	0
03/03/2023 09:20	3	282	24	4.8	0
03/03/2023 09:30	3.6	294	25	6	0
03/03/2023 09:40	3.7	285	26	5.8	0
03/03/2023 09:50	3.8	299	22	5.8	0
03/03/2023 10:00	3.6	297	20	5.6	0
03/03/2023 10:10	4	290	21	6.6	0
03/03/2023 10:20	4.1	287	26	6.8	0
03/03/2023 10:30	4.9	300	17	7.1	0
03/03/2023 10:40	4.1	295	22	6.3	0
03/03/2023 10:50	4	305	21	6	0
03/03/2023 11:00	3.5	271	23	5.9	0
03/03/2023 11:10	3.9	276	24	6.4	0
03/03/2023 11:20	3.8	276	26	6	0
03/03/2023 11:30	3.4	268	25	5.4	0
03/03/2023 11:40	3.8	279	24	6.1	0
03/03/2023 11:50	3.8	270	22	5.3	0
03/03/2023 12:00	3.8	276	22	6.1	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/03/2023 12:10	3.5	273	23	5.7	0
03/03/2023 12:20	4.1	269	22	6.4	0
03/03/2023 12:30	4.1	275	22	6	0
03/03/2023 12:40	4.1	278	27	6.3	0
03/03/2023 12:50	4.3	278	18	6.5	0
03/03/2023 13:00	4.2	269	28	6.8	0
03/03/2023 13:10	4.3	275	20	6.7	0
03/03/2023 13:20	4.1	273	28	6.8	0
03/03/2023 13:30	4	274	28	6.8	0
03/03/2023 13:40	4.1	268	39	7.2	0
03/03/2023 13:50	4.2	279	25	6.8	0
03/03/2023 14:00	4	278	19	6.6	0
03/03/2023 14:10	4.3	270	23	6.8	0
03/03/2023 14:20	3.9	262	34	7.4	0
03/03/2023 14:30	4.7	270	25	7.2	0
03/03/2023 14:40	4.3	275	22	7.4	0
03/03/2023 14:50	4.6	274	23	6.9	0
03/03/2023 15:00	4.1	276	22	6.8	0
03/03/2023 15:10	3.9	271	25	5.8	0
03/03/2023 15:20	4.4	277	21	6.8	0
03/03/2023 15:30	4	282	20	6	0
03/03/2023 15:40	3.8	275	25	6.2	0
03/03/2023 15:50	4.4	275	21	6.4	0
03/03/2023 16:00	4.2	273	21	6	0
03/03/2023 16:10	4.6	270	20	6.8	0
03/03/2023 16:20	3.7	275	27	5.6	0
03/03/2023 16:30	4.1	271	27	6.8	0
03/03/2023 16:40	3.8	271	31	6.9	0
03/03/2023 16:50	4	270	28	6	0
03/03/2023 17:00	4.1	273	33	6.1	0
03/03/2023 17:10	3.9	271	24	6.4	0
03/03/2023 17:20	4	274	21	6	0
03/03/2023 17:30	4.4	273	20	6.4	0
03/03/2023 17:40	3.9	270	28	6.8	0
03/03/2023 17:50	4	271	26	6.7	0
03/03/2023 18:00	3.8	267	25	6.4	0
03/03/2023 18:10	3.4	266	34	5.7	0
03/03/2023 18:20	4	266	22	6.7	0
03/03/2023 18:30	3.8	270	21	5.7	0
03/03/2023 18:40	4.1	268	25	6.6	0
03/03/2023 18:50	4	273	22	6.7	0
03/03/2023 19:00	3.7	272	24	6.4	0
03/03/2023 19:10	3.9	269	20	6	0
03/03/2023 19:20	3.6	273	25	5.7	0
03/03/2023 19:30	3.4	273	29	6.3	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/03/2023 19:40	3.8	268	24	6.3	0
03/03/2023 19:50	4	266	23	6	0
03/03/2023 20:00	3	263	42	5.6	0
03/03/2023 20:10	2.7	275	30	4.8	0
03/03/2023 20:20	3.6	267	25	5.9	0
03/03/2023 20:30	3.1	272	23	6	0
03/03/2023 20:40	3.6	271	33	6.1	0
03/03/2023 20:50	2.5	259	54	5.1	0
03/03/2023 21:00	3.2	266	42	7	0
03/03/2023 21:10	2.9	259	41	5.7	0
03/03/2023 21:20	3.2	268	38	5.6	0
03/03/2023 21:30	2.1	262	51	4.5	0
03/03/2023 21:40	1.8	186	51	4.4	0
03/03/2023 21:50	1.9	245	54	4.9	0
03/03/2023 22:00	2.3	255	51	4.5	0
03/03/2023 22:10	2.7	274	34	4.8	0
03/03/2023 22:20	2	227	61	4.7	0
03/03/2023 22:30	2.2	256	50	3.8	0
03/03/2023 22:40	3	259	35	5.3	0
03/03/2023 22:50	3.1	263	33	5.3	0
03/03/2023 23:00	3.1	268	29	5.6	0
03/03/2023 23:10	2.2	262	37	4.4	0
03/03/2023 23:20	2.5	244	51	4.9	0
03/03/2023 23:30	2.3	268	55	5.4	0
03/03/2023 23:40	2.2	256	50	3.7	0
03/03/2023 23:50	2.6	236	50	5.2	0
03/04/2023 00:00	2.3	258	46	4.8	0
03/04/2023 00:10	2.2	232	49	4.4	0
03/04/2023 00:20	2.6	253	50	4.7	0
03/04/2023 00:30	3	254	39	5.7	0
03/04/2023 00:40	2.7	260	52	5.3	0
03/04/2023 00:50	2.4	266	59	4.8	0
03/04/2023 01:00	2.1	234	63	4.3	0
03/04/2023 01:10	2.5	255	51	4.4	0
03/04/2023 01:20	2.4	230	51	4.1	0
03/04/2023 01:30	2.6	250	35	4	0
03/04/2023 01:40	1.7	225	66	3.6	0
03/04/2023 01:50	2.2	246	44	4.6	0
03/04/2023 02:00	2	240	55	4.3	0
03/04/2023 02:10	2.1	281	72	5	0
03/04/2023 02:20	2.3	261	44	5.3	0
03/04/2023 02:30	3	272	28	4.8	0
03/04/2023 02:40	2.2	247	56	4.8	0
03/04/2023 02:50	1.9	250	55	3.9	0
03/04/2023 03:00	2.3	236	44	4.1	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/04/2023 03:10	1.8	253	52	3.7	0
03/04/2023 03:20	2.6	271	26	4.8	0
03/04/2023 03:30	2	232	45	4.5	0
03/04/2023 03:40	2.5	270	26	4.6	0
03/04/2023 03:50	2.3	267	32	3.7	0
03/04/2023 04:00	2.7	261	36	4.5	0
03/04/2023 04:10	2.7	271	33	4.8	0
03/04/2023 04:20	2.9	264	25	5	0
03/04/2023 04:30	2.6	276	25	4.5	0
03/04/2023 04:40	2.5	285	22	4	0
03/04/2023 04:50	2.4	286	27	4.3	0
03/04/2023 05:00	2.2	289	27	3.5	0
03/04/2023 05:10	2.1	263	37	3.9	0
03/04/2023 05:20	2	271	28	2.8	0
03/04/2023 05:30	1.9	267	29	3	0
03/04/2023 05:40	1.9	258	29	3.4	0
03/04/2023 05:50	2.3	257	45	4	0
03/04/2023 06:00	3.1	263	26	4.9	0
03/04/2023 06:10	2.8	257	26	4.6	0
03/04/2023 06:20	2.7	266	24	4.8	0
03/04/2023 06:30	3.2	265	33	5.6	0
03/04/2023 06:40	2.4	265	54	5.2	0
03/04/2023 06:50	2.8	265	26	4.8	0
03/04/2023 07:00	2.7	262	32	4.3	0
03/04/2023 07:10	2.8	257	39	4.8	0
03/04/2023 07:20	2.4	266	32	4	0
03/04/2023 07:30	3.1	267	23	5.4	0
03/04/2023 07:40	2.9	268	29	4.8	0
03/04/2023 07:50	3.1	267	31	5.4	0
03/04/2023 08:00	3.3	269	24	5.2	0
03/04/2023 08:10	3.1	270	30	6.4	0
03/04/2023 08:20	2.8	263	38	4.8	0
03/04/2023 08:30	3.3	272	29	5.3	0
03/04/2023 08:40	3.4	270	35	5.6	0
03/04/2023 08:50	3	270	40	5.2	0
03/04/2023 09:00	3.2	263	32	5.6	0
03/04/2023 09:10	3.3	272	25	5.6	0
03/04/2023 09:20	3.3	267	33	5.6	0
03/04/2023 09:30	2.9	270	30	5.2	0
03/04/2023 09:40	3.2	270	26	5.1	0
03/04/2023 09:50	3	263	34	5.2	0
03/04/2023 10:00	3.5	273	25	5.6	0
03/04/2023 10:10	3.8	275	25	6	0
03/04/2023 10:20	4	278	25	6.8	0
03/04/2023 10:30	4.1	274	25	6.3	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/04/2023 10:40	3.9	274	25	6	0
03/04/2023 10:50	4	279	24	6.4	0
03/04/2023 11:00	4.1	284	25	6.4	0
03/04/2023 11:10	4.2	278	20	6.4	0
03/04/2023 11:20	4.7	278	20	6.9	0
03/04/2023 11:30	4.2	275	23	6.8	0
03/04/2023 11:40	3.8	268	31	6	0
03/04/2023 11:50	4.5	272	23	7.2	0
03/04/2023 12:00	4.2	281	22	6.1	0
03/04/2023 12:10	4.5	269	23	6.9	0
03/04/2023 12:20	4.5	274	24	7.5	0
03/04/2023 12:30	4.8	273	20	7.2	0
03/04/2023 12:40	4.7	274	22	7.2	0
03/04/2023 12:50	4.5	271	23	7.1	0
03/04/2023 13:00	4.1	269	37	6.7	0
03/04/2023 13:10	4.1	269	31	6.5	0
03/04/2023 13:20	4.3	276	24	7.1	0
03/04/2023 13:30	4	272	24	6.8	0
03/04/2023 13:40	4.2	270	27	6.7	0
03/04/2023 13:50	4.2	279	20	6.8	0
03/04/2023 14:00	4	273	29	6.6	0
03/04/2023 14:10	4.5	277	19	7.5	0
03/04/2023 14:20	4.7	272	20	6.8	0
03/04/2023 14:30	4.8	268	19	7.5	0
03/04/2023 14:40	4.3	266	24	7	0
03/04/2023 14:50	4.3	269	23	6.8	0
03/04/2023 15:00	4.7	270	22	8.1	0
03/04/2023 15:10	4.3	270	30	6.8	0
03/04/2023 15:20	4.3	271	22	7.2	0
03/04/2023 15:30	4.8	290	24	7.7	0
03/04/2023 15:40	5.5	301	20	8.2	0
03/04/2023 15:50	5.7	303	18	8.8	0
03/04/2023 16:00	5.5	302	17	8.7	0
03/04/2023 16:10	5.1	299	21	7.3	0
03/04/2023 16:20	5	295	24	7.5	0
03/04/2023 16:30	5.2	298	20	7.9	0
03/04/2023 16:40	5.4	302	17	7.9	0
03/04/2023 16:50	4.8	303	22	7.6	0
03/04/2023 17:00	4.9	302	22	6.8	0
03/04/2023 17:10	5.7	301	16	8.1	0
03/04/2023 17:20	5.5	298	19	8.1	0
03/04/2023 17:30	5.2	301	19	8	0
03/04/2023 17:40	5.3	301	20	8.3	0
03/04/2023 17:50	4.7	285	24	7.1	0
03/04/2023 18:00	4.1	295	25	6.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/04/2023 18:10	4.7	297	25	7.2	0
03/04/2023 18:20	4.7	294	22	8.2	0
03/04/2023 18:30	4.7	291	24	7.5	0
03/04/2023 18:40	4.3	290	23	7.6	0
03/04/2023 18:50	4.5	288	23	7.1	0
03/04/2023 19:00	4.5	287	23	6.9	0
03/04/2023 19:10	4.1	278	23	6.7	0
03/04/2023 19:20	4.3	287	22	6.4	0
03/04/2023 19:30	4.1	283	20	6.4	0
03/04/2023 19:40	4.3	281	24	6.7	0
03/04/2023 19:50	4.4	278	23	6.8	0
03/04/2023 20:00	4.2	270	18	6.4	0
03/04/2023 20:10	4.1	274	25	6.9	0
03/04/2023 20:20	3.6	273	24	6.4	0
03/04/2023 20:30	3.8	269	25	5.9	0
03/04/2023 20:40	3.2	275	31	5.4	0
03/04/2023 20:50	3.8	266	23	6.2	0
03/04/2023 21:00	3.5	266	26	6.1	0
03/04/2023 21:10	3.6	278	24	5.6	0
03/04/2023 21:20	3.3	275	23	5.8	0
03/04/2023 21:30	3.6	281	23	5.8	0
03/04/2023 21:40	3.7	279	22	6.2	0
03/04/2023 21:50	3.9	272	21	6.6	0
03/04/2023 22:00	4	269	20	6.2	0
03/04/2023 22:10	3.6	273	23	6	0
03/04/2023 22:20	3.6	270	21	5.6	0
03/04/2023 22:30	3.6	267	27	5.6	0
03/04/2023 22:40	3.7	266	25	6.2	0
03/04/2023 22:50	3.4	267	27	5.6	0
03/04/2023 23:00	3.6	275	25	6.5	0
03/04/2023 23:10	2.7	283	27	4.8	0
03/04/2023 23:20	2.4	271	25	4.1	0
03/04/2023 23:30	1.5	211	55	2.4	0
03/04/2023 23:40	1.9	182	30	3.5	0
03/04/2023 23:50	0.6	143	16	1.3	0
03/05/2023 00:00	1.1	312	23	1.6	0
03/05/2023 00:10	0.8	201	19	1.2	0
03/05/2023 00:20	1.2	45	10	1.6	0
03/05/2023 00:30	1.4	51	10	1.9	0
03/05/2023 00:40	1.5	26	17	2.3	0
03/05/2023 00:50	1.7	339	12	2.3	0
03/05/2023 01:00	1.5	309	12	2	0
03/05/2023 01:10	1.3	298	17	2	0
03/05/2023 01:20	1.4	297	24	2.1	0
03/05/2023 01:30	1.5	269	29	2.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/05/2023 01:40	1.2	278	28	2.1	0
03/05/2023 01:50	1.2	300	23	1.7	0
03/05/2023 02:00	1.2	334	20	1.7	0
03/05/2023 02:10	1.4	326	9	2	0
03/05/2023 02:20	0.7	350	18	1.4	0
03/05/2023 02:30	0.3	170	9	1.1	0
03/05/2023 02:40	0.8	288	17	1.4	0
03/05/2023 02:50	1.4	269	15	2	0
03/05/2023 03:00	1.2	27	32	1.7	0
03/05/2023 03:10	0.9	336	22	1.4	0
03/05/2023 03:20	1.2	323	20	1.8	0
03/05/2023 03:30	1.3	314	21	1.9	0
03/05/2023 03:40	0.8	171	18	1.5	0
03/05/2023 03:50	1.4	331	13	2.1	0
03/05/2023 04:00	1.7	310	19	2.8	0
03/05/2023 04:10	1.9	291	21	2.8	0
03/05/2023 04:20	2.1	283	27	3.2	0
03/05/2023 04:30	1.7	302	25	2.9	0
03/05/2023 04:40	1.7	298	24	2.7	0
03/05/2023 04:50	1.6	294	24	2.8	0
03/05/2023 05:00	1.4	300	28	2.3	0
03/05/2023 05:10	1.7	275	22	2.7	0
03/05/2023 05:20	1.5	281	21	2.4	0
03/05/2023 05:30	1.5	290	27	2.5	0
03/05/2023 05:40	1.4	274	27	2	0.1
03/05/2023 05:50	1.4	291	22	2.2	0
03/05/2023 06:00	1.3	292	25	2.3	0
03/05/2023 06:10	1.7	289	22	2.8	0
03/05/2023 06:20	1.7	288	24	2.7	0
03/05/2023 06:30	2	294	20	3.2	0
03/05/2023 06:40	1.8	285	21	2.7	0
03/05/2023 06:50	2.1	299	23	3.3	0
03/05/2023 07:00	2.7	298	17	4	0
03/05/2023 07:10	2.2	310	25	3.7	0
03/05/2023 07:20	2.9	317	23	4.8	0
03/05/2023 07:30	3.3	319	16	4.9	0
03/05/2023 07:40	2.5	293	24	4.2	0
03/05/2023 07:50	3.6	291	17	5.4	0
03/05/2023 08:00	3.1	291	27	5.1	0
03/05/2023 08:10	3.2	293	26	5.2	0
03/05/2023 08:20	3.4	281	24	5.6	0
03/05/2023 08:30	3.6	288	21	5.7	0
03/05/2023 08:40	3.4	269	26	5.3	0
03/05/2023 08:50	3.4	283	25	6.4	0
03/05/2023 09:00	3.5	287	25	5.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/05/2023 09:10	3.6	280	27	5.6	0
03/05/2023 09:20	3.3	280	27	4.6	0
03/05/2023 09:30	3.8	291	24	6.1	0
03/05/2023 09:40	3	285	29	4.8	0
03/05/2023 09:50	3.5	284	31	5.9	0
03/05/2023 10:00	3.7	284	23	5.5	0
03/05/2023 10:10	3.8	302	23	6	0
03/05/2023 10:20	3.6	292	23	6.3	0
03/05/2023 10:30	3.9	299	21	6.3	0
03/05/2023 10:40	4.1	297	22	6.7	0
03/05/2023 10:50	3.8	288	22	6	0
03/05/2023 11:00	3.2	289	27	6.2	0
03/05/2023 11:10	3.7	285	22	6.1	0
03/05/2023 11:20	3.1	293	28	5.3	0
03/05/2023 11:30	3.8	291	25	6.3	0
03/05/2023 11:40	3.8	291	21	6	0
03/05/2023 11:50	3.9	291	24	6.3	0
03/05/2023 12:00	4.2	296	23	6.1	0
03/05/2023 12:10	3.5	282	31	5.8	0
03/05/2023 12:20	4.1	298	25	6.2	0
03/05/2023 12:30	3.9	277	27	5.9	0
03/05/2023 12:40	3.4	270	28	5.8	0
03/05/2023 12:50	3.9	270	29	5.9	0
03/05/2023 13:00	3.5	266	30	6.1	0
03/05/2023 13:10	3.7	276	22	5.7	0
03/05/2023 13:20	4.3	278	27	6.8	0
03/05/2023 13:30	4	267	24	6.5	0
03/05/2023 13:40	4.3	267	24	6.4	0
03/05/2023 13:50	3.7	271	26	5.8	0
03/05/2023 14:00	3.8	286	27	6	0
03/05/2023 14:10	3.9	295	27	6.7	0
03/05/2023 14:20	4.1	296	24	6.9	0
03/05/2023 14:30	4.2	292	21	6.4	0
03/05/2023 14:40	4.3	288	23	6.6	0
03/05/2023 14:50	3.7	289	27	6.3	0
03/05/2023 15:00	4.1	290	25	6.4	0
03/05/2023 15:10	3.8	269	29	6.4	0
03/05/2023 15:20	4	277	21	6.5	0
03/05/2023 15:30	4.2	275	23	6.5	0
03/05/2023 15:40	4.3	278	23	6.4	0
03/05/2023 15:50	3.9	272	22	6.4	0
03/05/2023 16:00	3.8	265	26	6	0
03/05/2023 16:10	4.3	271	22	6.7	0
03/05/2023 16:20	4.2	275	20	6.8	0
03/05/2023 16:30	4.3	276	23	7.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/05/2023 16:40	4.5	277	20	7	0
03/05/2023 16:50	4.7	275	20	6.9	0
03/05/2023 17:00	4.2	267	21	6.7	0
03/05/2023 17:10	4.3	267	22	6.4	0
03/05/2023 17:20	3.8	284	20	6.4	0
03/05/2023 17:30	4.3	300	20	7.2	0
03/05/2023 17:40	5.1	299	17	8.2	0
03/05/2023 17:50	5.4	302	15	7.8	0
03/05/2023 18:00	4.5	299	24	7.5	0
03/05/2023 18:10	4.1	298	23	6.7	0
03/05/2023 18:20	3.6	284	23	5.4	0
03/05/2023 18:30	3.4	270	22	6	0
03/05/2023 18:40	4	268	17	6.4	0
03/05/2023 18:50	3.6	277	22	5.9	0
03/05/2023 19:00	3.6	256	34	6	0
03/05/2023 19:10	3	233	35	5.3	0
03/05/2023 19:20	3	272	40	5	0
03/05/2023 19:30	3.1	265	35	6	0
03/05/2023 19:40	3.3	271	25	6.4	0
03/05/2023 19:50	3.2	274	22	5.5	0
03/05/2023 20:00	2.8	271	32	5.1	0
03/05/2023 20:10	3.3	277	21	5.6	0
03/05/2023 20:20	3.2	288	19	5.3	0
03/05/2023 20:30	3	293	25	4.5	0
03/05/2023 20:40	3.3	293	22	5.3	0
03/05/2023 20:50	3.2	283	23	5.2	0
03/05/2023 21:00	3.3	271	20	4.8	0
03/05/2023 21:10	3.3	273	21	5.6	0
03/05/2023 21:20	3.4	273	23	5.7	0
03/05/2023 21:30	3.7	272	20	6.2	0
03/05/2023 21:40	3.5	273	24	5.2	0
03/05/2023 21:50	3.7	274	22	5.9	0
03/05/2023 22:00	3.9	272	19	6.1	0
03/05/2023 22:10	3.7	274	22	6.2	0
03/05/2023 22:20	3.5	278	18	5.8	0
03/05/2023 22:30	3.3	282	24	6	0
03/05/2023 22:40	3.5	285	22	6.2	0
03/05/2023 22:50	3.7	283	19	6	0
03/05/2023 23:00	3.7	272	19	5.1	0
03/05/2023 23:10	3.3	280	21	4.9	0
03/05/2023 23:20	3.4	278	20	5.3	0
03/05/2023 23:30	2.9	265	23	4.5	0
03/05/2023 23:40	2.7	277	20	4.3	0
03/05/2023 23:50	2.6	268	24	4.5	0
03/06/2023 00:00	2.6	278	19	4.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/06/2023 00:10	2.8	285	23	4.3	0
03/06/2023 00:20	3	268	22	4.4	0
03/06/2023 00:30	2.9	264	33	5	0
03/06/2023 00:40	3.2	266	29	5.6	0
03/06/2023 00:50	3.4	268	27	5.4	0
03/06/2023 01:00	3	271	29	5.6	0
03/06/2023 01:10	3.6	265	27	6.2	0
03/06/2023 01:20	2.3	253	60	5.5	0
03/06/2023 01:30	2	204	47	3.6	0
03/06/2023 01:40	1.8	203	33	3.2	0
03/06/2023 01:50	1.8	242	39	3.1	0
03/06/2023 02:00	1.5	229	49	2.8	0
03/06/2023 02:10	1.6	242	69	3.2	0
03/06/2023 02:20	1.7	237	53	3.4	0
03/06/2023 02:30	1.7	232	68	3.3	0
03/06/2023 02:40	1.6	197	48	3.1	0
03/06/2023 02:50	1.6	229	39	2.7	0
03/06/2023 03:00	1.2	216	80	2	0
03/06/2023 03:10	1.7	213	39	2.8	0
03/06/2023 03:20	1.6	269	48	3.1	0
03/06/2023 03:30	1.6	260	46	3.5	0
03/06/2023 03:40	1.6	273	56	3.1	0
03/06/2023 03:50	1.6	263	66	3.6	0
03/06/2023 04:00	2.1	236	46	3.6	0
03/06/2023 04:10	1.8	250	40	3.9	0
03/06/2023 04:20	1.5	259	63	2.8	0
03/06/2023 04:30	1.3	248	58	3.1	0
03/06/2023 04:40	1.4	261	54	2.3	0
03/06/2023 04:50	1.4	221	60	2.8	0
03/06/2023 05:00	1.1	191	71	2.2	0
03/06/2023 05:10	1.2	265	55	2.2	0
03/06/2023 05:20	1.6	247	40	3.2	0
03/06/2023 05:30	1.4	227	47	2.9	0
03/06/2023 05:40	1.4	218	55	2.7	0
03/06/2023 05:50	1.4	263	55	2.4	0
03/06/2023 06:00	1.1	290	67	2.4	0
03/06/2023 06:10	0.9	250	49	1.6	0
03/06/2023 06:20	0.7	163	46	1.3	0
03/06/2023 06:30	0.6	182	27	1.1	0
03/06/2023 06:40	0.3	180	15	1.2	0
03/06/2023 06:50	0.8	213	24	1.6	0
03/06/2023 07:00	1	231	22	1.6	0
03/06/2023 07:10	1.1	246	48	2	0
03/06/2023 07:20	1.8	262	36	3.4	0
03/06/2023 07:30	2.1	270	21	3.2	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/06/2023 07:40	2	269	30	4	0
03/06/2023 07:50	2.2	276	25	3.4	0
03/06/2023 08:00	2.4	274	18	3.6	0
03/06/2023 08:10	2.4	285	29	4.1	0
03/06/2023 08:20	2.5	290	27	4.4	0
03/06/2023 08:30	2.3	287	26	3.6	0
03/06/2023 08:40	2.5	288	24	3.5	0
03/06/2023 08:50	2.8	285	23	4.3	0
03/06/2023 09:00	2.6	278	27	4	0
03/06/2023 09:10	2.6	287	23	4.3	0
03/06/2023 09:20	2.7	280	24	4	0
03/06/2023 09:30	2.4	282	22	4.3	0
03/06/2023 09:40	2.7	289	24	4.6	0
03/06/2023 09:50	2.5	301	23	3.7	0
03/06/2023 10:00	2.8	281	30	4.2	0
03/06/2023 10:10	2.6	285	25	4.7	0
03/06/2023 10:20	2.5	289	27	3.8	0
03/06/2023 10:30	2.1	283	38	3.8	0
03/06/2023 10:40	2.5	291	20	4	0
03/06/2023 10:50	2.3	274	26	3.8	0
03/06/2023 11:00	2.1	261	26	3.8	0
03/06/2023 11:10	2.1	274	33	3.4	0
03/06/2023 11:20	2.1	276	30	3.2	0
03/06/2023 11:30	2.4	290	22	4	0
03/06/2023 11:40	2.1	311	25	3.8	0
03/06/2023 11:50	2.2	283	27	3.5	0
03/06/2023 12:00	3.3	326	26	4.8	0
03/06/2023 12:10	3.4	320	19	5	0
03/06/2023 12:20	2.9	324	19	4.5	0
03/06/2023 12:30	3	323	24	5	0
03/06/2023 12:40	3.7	330	16	5.2	0
03/06/2023 12:50	3.5	323	17	5.3	0
03/06/2023 13:00	3.6	323	17	5	0
03/06/2023 13:10	3.5	314	17	5.5	0
03/06/2023 13:20	3	317	22	4.8	0
03/06/2023 13:30	3.4	317	20	5.1	0
03/06/2023 13:40	3.5	332	23	4.8	0
03/06/2023 13:50	3.8	315	17	5.2	0
03/06/2023 14:00	3.7	326	18	5.3	0
03/06/2023 14:10	4	330	16	5.5	0
03/06/2023 14:20	4.3	333	12	6.3	0
03/06/2023 14:30	4.4	334	16	6.2	0
03/06/2023 14:40	4.1	340	15	6.4	0
03/06/2023 14:50	4.2	332	20	5.9	0
03/06/2023 15:00	4.1	332	15	6.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/06/2023 15:10	4.3	337	15	6.1	0
03/06/2023 15:20	4.1	341	17	6	0
03/06/2023 15:30	4.5	341	12	6.2	0
03/06/2023 15:40	4.5	334	13	6	0
03/06/2023 15:50	4.9	340	13	6.4	0
03/06/2023 16:00	4.9	343	11	6.8	0
03/06/2023 16:10	4.6	340	13	6.4	0
03/06/2023 16:20	3.9	327	15	5.4	0
03/06/2023 16:30	3.6	324	15	5.2	0
03/06/2023 16:40	4.1	305	20	5.6	0
03/06/2023 16:50	4	308	19	6.2	0
03/06/2023 17:00	3.7	314	19	6	0
03/06/2023 17:10	4.2	319	18	6.9	0
03/06/2023 17:20	4.4	320	19	6.1	0
03/06/2023 17:30	4.1	311	17	6	0
03/06/2023 17:40	3.7	309	20	5.5	0
03/06/2023 17:50	3.7	319	15	5.6	0
03/06/2023 18:00	3.7	255	29	6.8	0
03/06/2023 18:10	2.8	199	32	5.2	0
03/06/2023 18:20	2.4	205	27	3.5	0
03/06/2023 18:30	3.3	203	19	5.6	0
03/06/2023 18:40	2.4	197	23	4	0
03/06/2023 18:50	1.7	242	34	2.8	0
03/06/2023 19:00	2.1	283	18	3	0
03/06/2023 19:10	1.9	274	19	3.1	0
03/06/2023 19:20	2.1	276	19	3.2	0
03/06/2023 19:30	1.6	254	35	2.7	0
03/06/2023 19:40	1.7	290	22	2.7	0
03/06/2023 19:50	2.1	318	17	3.6	0
03/06/2023 20:00	2.6	301	23	4.2	0
03/06/2023 20:10	2.6	303	18	4	0
03/06/2023 20:20	2.5	280	17	3.9	0
03/06/2023 20:30	3.2	309	19	4.9	0
03/06/2023 20:40	3.3	318	15	5.2	0
03/06/2023 20:50	2.5	294	20	4.2	0
03/06/2023 21:00	2.2	295	24	3.7	0
03/06/2023 21:10	2.1	299	24	3.8	0
03/06/2023 21:20	2.7	302	16	4	0
03/06/2023 21:30	2.3	305	19	3.9	0
03/06/2023 21:40	2.6	315	16	3.9	0
03/06/2023 21:50	2.9	321	15	5	0
03/06/2023 22:00	3.1	315	14	4.5	0
03/06/2023 22:10	2.5	288	22	4	0
03/06/2023 22:20	2.7	284	21	4	0
03/06/2023 22:30	2.6	281	19	4	0





Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/06/2023 22:40	2.6	273	20	3.8	0
03/06/2023 22:50	2.7	269	20	4	0
03/06/2023 23:00	2	259	37	3.6	0
03/06/2023 23:10	1.7	259	43	2.9	0
03/06/2023 23:20	1.9	262	40	3.1	0
03/06/2023 23:30	2.1	274	22	3	0
03/06/2023 23:40	1	230	55	2	0
03/06/2023 23:50	1.2	249	51	2.1	0
03/07/2023 00:00	1.5	238	36	2.6	0
03/07/2023 00:10	2.5	284	25	4	0
03/07/2023 00:20	3.2	295	23	4.4	0
03/07/2023 00:30	2.5	289	25	3.9	0
03/07/2023 00:40	2.2	278	24	3.6	0
03/07/2023 00:50	2.1	236	25	3.2	0
03/07/2023 01:00	1.8	255	23	2.6	0
03/07/2023 01:10	1.6	288	20	2.9	0
03/07/2023 01:20	2.2	315	22	3.7	0
03/07/2023 01:30	2.5	319	19	3.6	0
03/07/2023 01:40	3.2	327	15	4.6	0
03/07/2023 01:50	2.8	322	13	4	0
03/07/2023 02:00	2.9	325	18	4.4	0
03/07/2023 02:10	2.4	338	20	3.7	0
03/07/2023 02:20	0.6	199	19	1	0
03/07/2023 02:30	1.7	269	13	2.6	0
03/07/2023 02:40	2.2	273	15	3.2	0.1
03/07/2023 02:50	2.5	272	21	4	0.1
03/07/2023 03:00	2.9	307	17	4.5	0
03/07/2023 03:10	2.3	284	22	3.7	0
03/07/2023 03:20	1	68	45	1.9	0
03/07/2023 03:30	1	45	13	1.6	0
03/07/2023 03:40	0.9	294	28	1.5	0
03/07/2023 03:50	1.1	208	21	1.6	0
03/07/2023 04:00	1.1	228	33	1.9	0
03/07/2023 04:10	1.1	199	17	1.6	0
03/07/2023 04:20	0.8	139	12	1.6	0
03/07/2023 04:30	1.7	93	11	2.4	0
03/07/2023 04:40	3.9	113	24	7.2	0
03/07/2023 04:50	7.1	135	25	11.9	0
03/07/2023 05:00	5.8	155	30	10.7	0
03/07/2023 05:10	6	128	29	11.1	0.1
03/07/2023 05:20	4.7	141	30	9.5	0.1
03/07/2023 05:30	6.2	160	21	9.7	0
03/07/2023 05:40	3.1	167	24	5.2	0.1
03/07/2023 05:50	4.8	192	13	7.1	0.1
03/07/2023 06:00	6.2	186	10	8.2	0.2



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/07/2023 06:10	6.5	188	11	8.7	0.1
03/07/2023 06:20	7	196	10	9.3	0.1
03/07/2023 06:30	7.6	193	9	10.3	0
03/07/2023 06:40	7.2	194	9	9	0
03/07/2023 06:50	6.3	192	10	8.3	0
03/07/2023 07:00	5.6	196	8	7.5	0
03/07/2023 07:10	4.8	190	11	6.2	0
03/07/2023 07:20	4.7	187	10	6	0
03/07/2023 07:30	4.4	195	9	5.6	0
03/07/2023 07:40	1.5	107	62	2.9	0
03/07/2023 07:50	1.1	337	18	1.6	0
03/07/2023 08:00	0.8	285	39	1.8	0
03/07/2023 08:10	1.9	171	19	2.8	0
03/07/2023 08:20	1.6	27	29	2.6	0
03/07/2023 08:30	1	98	26	1.6	0
03/07/2023 08:40	1.2	68	22	2.3	0
03/07/2023 08:50	1.4	46	19	2.1	0
03/07/2023 09:00	1.9	28	20	2.8	0
03/07/2023 09:10	2.9	24	15	4	0
03/07/2023 09:20	3.5	13	16	5.2	0
03/07/2023 09:30	4.2	13	11	6	0
03/07/2023 09:40	4.8	19	11	6.5	0
03/07/2023 09:50	4.4	18	12	5.9	0
03/07/2023 10:00	3.2	45	13	4.4	0
03/07/2023 10:10	3.1	31	16	4.3	0
03/07/2023 10:20	3.3	47	15	4.3	0
03/07/2023 10:30	3.4	58	13	4.7	0
03/07/2023 10:40	3.4	54	13	4.8	0
03/07/2023 10:50	3.6	64	11	4.8	0
03/07/2023 11:00	3.4	66	10	4.7	0
03/07/2023 11:10	3.8	86	14	5	0
03/07/2023 11:20	3.9	75	13	5.2	0
03/07/2023 11:30	3.6	66	16	5	0
03/07/2023 11:40	3.8	64	13	4.9	0
03/07/2023 11:50	3.6	69	13	4.8	0
03/07/2023 12:00	3.6	75	16	4.8	0
03/07/2023 12:10	3.7	81	15	5	0
03/07/2023 12:20	3.8	62	14	5.1	0
03/07/2023 12:30	4.3	57	9	5.5	0
03/07/2023 12:40	4.1	58	9	5.2	0
03/07/2023 12:50	3.5	59	11	4.6	0
03/07/2023 13:00	4.2	60	9	5.2	0
03/07/2023 13:10	4.2	59	8	5.2	0
03/07/2023 13:20	4.3	58	12	5.6	0
03/07/2023 13:30	4	61	11	5.5	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/07/2023 13:40	4.3	50	14	5.6	0
03/07/2023 13:50	4.3	51	13	5.4	0
03/07/2023 14:00	4.3	55	11	5.7	0
03/07/2023 14:10	4.1	52	12	5.5	0
03/07/2023 14:20	4.1	54	13	5.7	0
03/07/2023 14:30	4	47	13	5.4	0
03/07/2023 14:40	3.8	21	16	7.6	0
03/07/2023 14:50	4.1	179	15	5.9	0
03/07/2023 15:00	4.6	347	13	6.3	0
03/07/2023 15:10	4.6	339	10	6.4	0
03/07/2023 15:20	5.1	338	12	7.2	0
03/07/2023 15:30	4.7	340	10	6.4	0
03/07/2023 15:40	4.6	341	10	6.2	0
03/07/2023 15:50	4.6	337	13	6.3	0
03/07/2023 16:00	4.2	336	16	6.1	0
03/07/2023 16:10	4.7	342	14	6.4	0
03/07/2023 16:20	4.6	345	14	5.9	0
03/07/2023 16:30	4.6	344	11	6.4	0
03/07/2023 16:40	4.7	348	14	6	0
03/07/2023 16:50	4.7	352	11	6	0
03/07/2023 17:00	4.7	348	12	6.2	0
03/07/2023 17:10	4.3	345	16	5.7	0
03/07/2023 17:20	4.2	338	13	6.2	0
03/07/2023 17:30	4.3	330	13	6.3	0
03/07/2023 17:40	3.8	323	16	6.2	0
03/07/2023 17:50	4.4	322	16	6	0
03/07/2023 18:00	3.8	326	16	6.2	0
03/07/2023 18:10	3.5	323	19	5.6	0
03/07/2023 18:20	3.5	310	21	4.9	0
03/07/2023 18:30	3.5	319	17	5.6	0
03/07/2023 18:40	3	304	21	4.7	0
03/07/2023 18:50	3	295	22	4.7	0
03/07/2023 19:00	3	290	24	4.8	0
03/07/2023 19:10	2.9	279	22	4.8	0
03/07/2023 19:20	2.6	280	22	4.4	0
03/07/2023 19:30	2.7	280	25	4.4	0
03/07/2023 19:40	3	287	23	4.8	0
03/07/2023 19:50	3	286	21	5.6	0
03/07/2023 20:00	3.1	286	23	4.8	0
03/07/2023 20:10	2.8	277	23	4.4	0
03/07/2023 20:20	2.9	278	22	4.8	0
03/07/2023 20:30	2.8	276	23	4.1	0
03/07/2023 20:40	2.7	279	22	4.2	0
03/07/2023 20:50	2.4	276	25	4	0
03/07/2023 21:00	2.7	280	20	4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/07/2023 21:10	2.6	279	22	4.8	0
03/07/2023 21:20	2.7	270	18	4.1	0
03/07/2023 21:30	2.2	276	21	3.7	0
03/07/2023 21:40	2.3	271	20	3.7	0
03/07/2023 21:50	2.3	283	18	3.6	0
03/07/2023 22:00	1.9	272	25	2.9	0
03/07/2023 22:10	1.9	274	20	2.8	0
03/07/2023 22:20	1.8	267	28	3.2	0
03/07/2023 22:30	1.6	245	52	3.6	0
03/07/2023 22:40	1	267	51	2.3	0
03/07/2023 22:50	1.3	254	42	3.1	0
03/07/2023 23:00	1.3	278	32	2.4	0
03/07/2023 23:10	1.4	278	16	2.4	0
03/07/2023 23:20	1.3	265	27	2.8	0
03/07/2023 23:30	1.1	260	36	2	0
03/07/2023 23:40	0.9	193	28	1.6	0
03/07/2023 23:50	0.6	205	38	1.6	0
03/08/2023 00:00	1.1	248	37	1.8	0
03/08/2023 00:10	1.1	238	29	2	0
03/08/2023 00:20	1.6	270	20	2.8	0
03/08/2023 00:30	1	258	47	2.4	0
03/08/2023 00:40	1.4	222	46	2.5	0
03/08/2023 00:50	1.1	258	30	2.2	0
03/08/2023 01:00	1.7	267	27	2.8	0
03/08/2023 01:10	1.4	247	40	3	0
03/08/2023 01:20	1.4	233	52	2.7	0
03/08/2023 01:30	1.9	269	33	3.2	0
03/08/2023 01:40	1.7	273	43	3.3	0
03/08/2023 01:50	2	269	34	3.3	0
03/08/2023 02:00	1.2	223	55	2.3	0
03/08/2023 02:10	1.7	236	38	3.1	0
03/08/2023 02:20	1.6	285	53	3.2	0
03/08/2023 02:30	1.6	264	53	2.8	0
03/08/2023 02:40	1.5	232	56	2.4	0
03/08/2023 02:50	1.2	218	51	2	0
03/08/2023 03:00	1.2	250	56	2.4	0
03/08/2023 03:10	1.7	279	25	2.8	0
03/08/2023 03:20	1.3	209	35	2.2	0
03/08/2023 03:30	1.4	190	26	2.7	0
03/08/2023 03:40	1.5	196	25	2.4	0
03/08/2023 03:50	1.2	210	35	2.4	0
03/08/2023 04:00	1.4	198	17	2.1	0
03/08/2023 04:10	1.5	183	18	2.6	0
03/08/2023 04:20	2	185	17	3.3	0
03/08/2023 04:30	2.2	188	13	3.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/08/2023 04:40	1.9	202	12	2.6	0
03/08/2023 04:50	1.3	232	38	2.4	0
03/08/2023 05:00	1.1	193	30	1.9	0
03/08/2023 05:10	1.6	195	18	2.4	0
03/08/2023 05:20	1.1	198	32	1.9	0
03/08/2023 05:30	1.7	191	14	2.4	0
03/08/2023 05:40	1.3	193	21	2	0
03/08/2023 05:50	0.9	206	16	2	0
03/08/2023 06:00	0.8	267	24	1.6	0
03/08/2023 06:10	1	266	28	1.6	0
03/08/2023 06:20	0.6	226	20	1.2	0
03/08/2023 06:30	0.8	273	10	1.7	0
03/08/2023 06:40	0.2	256	18	0.8	0
03/08/2023 06:50	1	195	13	1.6	0
03/08/2023 07:00	0.8	226	22	1.7	0
03/08/2023 07:10	1.1	239	32	2	0
03/08/2023 07:20	1.4	222	40	2.1	0
03/08/2023 07:30	1.6	200	25	2.4	0
03/08/2023 07:40	1.9	202	19	2.6	0
03/08/2023 07:50	2	202	13	2.9	0
03/08/2023 08:00	2.7	198	16	3.9	0
03/08/2023 08:10	2.6	201	17	3.6	0
03/08/2023 08:20	2.2	201	20	3.6	0
03/08/2023 08:30	2.2	202	21	3.2	0
03/08/2023 08:40	1.9	208	25	3.2	0
03/08/2023 08:50	1.7	230	49	3.2	0
03/08/2023 09:00	1.8	235	46	3.4	0
03/08/2023 09:10	1.7	240	51	4	0
03/08/2023 09:20	2.5	278	30	3.8	0
03/08/2023 09:30	2.1	222	41	3.9	0
03/08/2023 09:40	2	277	32	3.5	0
03/08/2023 09:50	2.2	258	42	3.6	0
03/08/2023 10:00	2.1	295	41	3.6	0
03/08/2023 10:10	2	288	36	3.1	0
03/08/2023 10:20	2.3	299	28	3.6	0
03/08/2023 10:30	2.2	287	23	3.5	0
03/08/2023 10:40	2.3	303	28	3.7	0
03/08/2023 10:50	2.2	288	23	3.8	0
03/08/2023 11:00	1.7	283	29	2.7	0
03/08/2023 11:10	1.9	250	37	3.3	0
03/08/2023 11:20	2.3	241	37	4	0
03/08/2023 11:30	2.5	278	33	3.6	0
03/08/2023 11:40	3	279	29	4.4	0
03/08/2023 11:50	3.1	305	22	5.8	0
03/08/2023 12:00	3.4	314	21	6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/08/2023 12:10	3.1	294	24	5.6	0
03/08/2023 12:20	3.5	296	24	5.5	0
03/08/2023 12:30	3.5	296	27	5.5	0
03/08/2023 12:40	3.4	304	25	5.6	0
03/08/2023 12:50	3	293	31	5.2	0
03/08/2023 13:00	3.7	303	22	5.6	0
03/08/2023 13:10	3.2	309	30	5.6	0
03/08/2023 13:20	4	316	23	6.1	0
03/08/2023 13:30	4.2	322	23	6	0
03/08/2023 13:40	4.7	325	16	6.8	0
03/08/2023 13:50	4.1	323	19	6.2	0
03/08/2023 14:00	3.5	314	26	5.8	0
03/08/2023 14:10	3.9	299	25	6.6	0
03/08/2023 14:20	4.1	314	28	6.1	0
03/08/2023 14:30	3.7	301	23	6	0
03/08/2023 14:40	3.5	294	25	5.4	0
03/08/2023 14:50	3.8	304	22	6	0
03/08/2023 15:00	3.7	291	24	5.6	0
03/08/2023 15:10	3.9	297	25	6.7	0
03/08/2023 15:20	4.3	312	20	7	0
03/08/2023 15:30	3.9	306	22	5.7	0
03/08/2023 15:40	3.9	298	21	6.2	0
03/08/2023 15:50	3.8	299	20	5.8	0
03/08/2023 16:00	3.9	298	20	5.7	0
03/08/2023 16:10	3.6	306	20	5.5	0
03/08/2023 16:20	3.5	303	23	5.5	0
03/08/2023 16:30	4.2	303	18	5.8	0
03/08/2023 16:40	3.9	295	22	6.6	0
03/08/2023 16:50	3.8	300	22	6.4	0
03/08/2023 17:00	3.8	299	17	5.7	0
03/08/2023 17:10	3.4	295	20	5.5	0
03/08/2023 17:20	3.1	292	22	5.2	0
03/08/2023 17:30	3.4	302	17	5.4	0
03/08/2023 17:40	3.2	299	21	5.1	0
03/08/2023 17:50	3.3	295	17	5.3	0
03/08/2023 18:00	2.3	276	29	4	0
03/08/2023 18:10	2.3	227	28	3.6	0
03/08/2023 18:20	3.2	201	17	4.9	0
03/08/2023 18:30	2.1	230	32	3.5	0
03/08/2023 18:40	2.6	205	25	3.7	0
03/08/2023 18:50	2.3	218	24	3.7	0
03/08/2023 19:00	2.2	256	23	4	0
03/08/2023 19:10	2.2	268	32	4	0
03/08/2023 19:20	2.5	275	20	4.4	0
03/08/2023 19:30	2.9	285	23	4.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/08/2023 19:40	3.3	275	20	5.1	0
03/08/2023 19:50	3.4	273	20	5.2	0
03/08/2023 20:00	2.6	263	40	4.8	0
03/08/2023 20:10	2.5	199	29	4.9	0
03/08/2023 20:20	2.8	201	23	4.1	0
03/08/2023 20:30	1.8	255	34	3.2	0
03/08/2023 20:40	2.3	292	20	3.3	0
03/08/2023 20:50	2.4	270	24	4.3	0
03/08/2023 21:00	1.6	217	46	3.3	0
03/08/2023 21:10	2	273	43	3.6	0
03/08/2023 21:20	1.6	228	55	2.7	0
03/08/2023 21:30	1.5	234	56	2.7	0
03/08/2023 21:40	1.3	269	44	2.6	0
03/08/2023 21:50	2.1	281	22	3	0
03/08/2023 22:00	2.7	289	25	4	0
03/08/2023 22:10	3.1	278	22	5	0
03/08/2023 22:20	3	277	24	4.9	0
03/08/2023 22:30	3.5	290	23	5.6	0
03/08/2023 22:40	3.5	294	20	5.2	0
03/08/2023 22:50	2.9	304	18	5.1	0
03/08/2023 23:00	3.6	303	19	6.5	0
03/08/2023 23:10	3.7	309	17	5.6	0
03/08/2023 23:20	3.7	310	18	5.4	0
03/08/2023 23:30	2.8	290	22	4.8	0
03/08/2023 23:40	3	301	22	4.3	0
03/08/2023 23:50	2.9	273	23	4.4	0
03/09/2023 00:00	3.3	275	19	4.8	0
03/09/2023 00:10	3.4	281	19	5.6	0
03/09/2023 00:20	3.1	273	20	5.1	0
03/09/2023 00:30	3.3	276	20	5.6	0
03/09/2023 00:40	3.1	281	21	4.7	0
03/09/2023 00:50	3.2	275	22	5.2	0
03/09/2023 01:00	3.1	273	23	5	0
03/09/2023 01:10	2.9	269	25	4.6	0
03/09/2023 01:20	2.5	271	26	4.1	0
03/09/2023 01:30	2.3	275	36	4.2	0
03/09/2023 01:40	2.6	272	31	4.8	0
03/09/2023 01:50	3.1	270	24	4.9	0
03/09/2023 02:00	2.3	269	47	4.3	0
03/09/2023 02:10	2	275	56	4	0
03/09/2023 02:20	1.8	247	58	3.4	0
03/09/2023 02:30	2.5	257	44	5	0
03/09/2023 02:40	1.7	240	61	3.2	0
03/09/2023 02:50	1.5	229	61	3.6	0
03/09/2023 03:00	1.6	259	49	3.1	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/09/2023 03:10	1.4	239	64	2.8	0
03/09/2023 03:20	1.7	246	41	2.9	0
03/09/2023 03:30	1.3	211	64	2.6	0
03/09/2023 03:40	1.8	192	21	3.1	0
03/09/2023 03:50	2.3	196	18	3.9	0
03/09/2023 04:00	2.1	199	20	3.5	0
03/09/2023 04:10	2.1	195	17	3.1	0
03/09/2023 04:20	2.1	196	18	3.3	0
03/09/2023 04:30	2.3	199	19	3.4	0
03/09/2023 04:40	1.9	195	29	3.5	0.1
03/09/2023 04:50	2	192	19	3.3	0
03/09/2023 05:00	1.7	202	31	2.8	0
03/09/2023 05:10	1.9	200	26	3.1	0
03/09/2023 05:20	1.9	197	21	3.2	0
03/09/2023 05:30	2.1	213	26	3.2	0
03/09/2023 05:40	2	201	17	3.4	0
03/09/2023 05:50	2.4	192	15	3.5	0.1
03/09/2023 06:00	2.4	181	15	3.4	0
03/09/2023 06:10	2.7	193	12	3.6	0
03/09/2023 06:20	2.3	188	12	3.5	0
03/09/2023 06:30	2.6	187	16	4.2	0
03/09/2023 06:40	3	191	12	4.3	0
03/09/2023 06:50	3.2	194	13	4.2	0
03/09/2023 07:00	3	189	14	4	0
03/09/2023 07:10	3.4	192	13	4.7	0
03/09/2023 07:20	3.3	189	13	4.7	0
03/09/2023 07:30	3.5	186	13	4.8	0
03/09/2023 07:40	3.7	187	13	5.4	0
03/09/2023 07:50	3.7	192	15	4.9	0
03/09/2023 08:00	3.4	192	16	4.8	0
03/09/2023 08:10	2.7	197	21	4	0
03/09/2023 08:20	2.9	197	17	4.8	0
03/09/2023 08:30	2.6	201	25	4.4	0
03/09/2023 08:40	1.8	230	42	3.1	0
03/09/2023 08:50	2.3	275	24	3.5	0
03/09/2023 09:00	1.8	270	35	3.2	0
03/09/2023 09:10	2.5	302	21	4.4	0
03/09/2023 09:20	2.8	298	24	4.4	0
03/09/2023 09:30	2.6	296	20	4.2	0
03/09/2023 09:40	2.3	286	36	3.3	0
03/09/2023 09:50	2	217	45	3.6	0
03/09/2023 10:00	2.6	191	26	3.9	0
03/09/2023 10:10	2.8	188	19	4	0
03/09/2023 10:20	2.2	221	28	3.2	0
03/09/2023 10:30	2.1	260	46	3.4	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/09/2023 10:40	2	258	42	2.9	0
03/09/2023 10:50	2.1	288	36	3.9	0
03/09/2023 11:00	2	295	29	3.2	0
03/09/2023 11:10	2	310	27	3.2	0
03/09/2023 11:20	2.5	290	33	3.7	0
03/09/2023 11:30	2.3	295	40	3.4	0
03/09/2023 11:40	1.9	315	31	3.1	0
03/09/2023 11:50	2.2	289	26	3.5	0
03/09/2023 12:00	2.1	252	57	3.5	0
03/09/2023 12:10	2.4	285	35	3.5	0
03/09/2023 12:20	2.5	262	26	4.1	0
03/09/2023 12:30	2.7	306	32	4.4	0
03/09/2023 12:40	3.4	332	21	5.2	0
03/09/2023 12:50	4	335	18	5.6	0
03/09/2023 13:00	3.8	334	25	6.6	0
03/09/2023 13:10	4.1	339	16	5.7	0
03/09/2023 13:20	4	325	17	5.8	0
03/09/2023 13:30	4.3	334	15	6.3	0
03/09/2023 13:40	4.5	326	16	6.3	0
03/09/2023 13:50	4.5	326	14	6.2	0
03/09/2023 14:00	5	329	17	6.9	0
03/09/2023 14:10	4.6	326	13	6.8	0
03/09/2023 14:20	4.5	325	15	7.1	0
03/09/2023 14:30	4.9	323	17	7.9	0
03/09/2023 14:40	5	322	15	7.1	0
03/09/2023 14:50	4.9	324	16	6.8	0
03/09/2023 15:00	5.1	323	16	6.9	0
03/09/2023 15:10	4.2	318	18	6.2	0
03/09/2023 15:20	4.2	323	16	6.8	0
03/09/2023 15:30	3.6	301	24	5.9	0
03/09/2023 15:40	4.1	288	22	5.9	0
03/09/2023 15:50	4.2	288	18	6	0
03/09/2023 16:00	3.6	290	25	5.7	0
03/09/2023 16:10	4.2	297	23	6.6	0
03/09/2023 16:20	3.9	284	24	6	0
03/09/2023 16:30	4.3	295	20	6.3	0
03/09/2023 16:40	4	292	22	6.4	0
03/09/2023 16:50	3.6	280	26	6.5	0
03/09/2023 17:00	4	288	23	7.2	0
03/09/2023 17:10	4.5	299	20	6.4	0
03/09/2023 17:20	3.7	287	23	6	0
03/09/2023 17:30	3.8	282	24	5.8	0
03/09/2023 17:40	4.5	294	18	6.6	0
03/09/2023 17:50	3.5	284	24	5.9	0
03/09/2023 18:00	3.5	277	22	5	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/09/2023 18:10	3.7	280	23	5.8	0
03/09/2023 18:20	3.9	278	19	5.7	0
03/09/2023 18:30	3.3	278	23	5.4	0
03/09/2023 18:40	3.5	282	21	6	0
03/09/2023 18:50	3.3	271	22	5.4	0
03/09/2023 19:00	3.4	271	23	5.5	0
03/09/2023 19:10	3.2	266	23	4.8	0
03/09/2023 19:20	3.7	270	20	5.4	0
03/09/2023 19:30	3.1	267	23	5.4	0
03/09/2023 19:40	3.3	268	22	5.2	0
03/09/2023 19:50	3.2	269	21	4.8	0
03/09/2023 20:00	3.4	269	21	4.9	0
03/09/2023 20:10	3.2	273	24	5	0
03/09/2023 20:20	2.4	263	46	4.3	0
03/09/2023 20:30	2.7	279	22	4.1	0
03/09/2023 20:40	2.9	265	21	4.7	0
03/09/2023 20:50	2.8	272	30	5	0
03/09/2023 21:00	3.2	274	19	5.4	0
03/09/2023 21:10	3.2	269	30	5.4	0
03/09/2023 21:20	2.9	273	30	4.8	0
03/09/2023 21:30	2.8	270	26	4.5	0
03/09/2023 21:40	3	271	33	5.4	0
03/09/2023 21:50	3.1	275	23	4.8	0
03/09/2023 22:00	3.2	267	21	5.3	0
03/09/2023 22:10	2.8	267	24	4.4	0
03/09/2023 22:20	2.8	270	22	4.5	0
03/09/2023 22:30	2.3	250	54	3.8	0
03/09/2023 22:40	2.9	273	26	4.8	0
03/09/2023 22:50	2.6	273	35	4.8	0
03/09/2023 23:00	2.7	273	23	4	0
03/09/2023 23:10	2.7	268	21	4.2	0
03/09/2023 23:20	2.9	266	21	4.4	0
03/09/2023 23:30	2.3	278	35	3.9	0
03/09/2023 23:40	2.3	277	32	4.4	0
03/09/2023 23:50	1.7	238	65	3.2	0
03/10/2023 00:00	2.4	271	33	4.5	0
03/10/2023 00:10	2	256	54	4.5	0
03/10/2023 00:20	2.2	268	45	3.7	0
03/10/2023 00:30	2.2	268	41	4.2	0
03/10/2023 00:40	1.8	269	62	3.5	0
03/10/2023 00:50	2.4	272	29	4.3	0
03/10/2023 01:00	2.3	274	31	3.7	0
03/10/2023 01:10	2.6	266	23	4	0
03/10/2023 01:20	2.7	265	17	4.6	0
03/10/2023 01:30	2.2	267	32	3.6	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/10/2023 01:40	1.7	257	44	3	0
03/10/2023 01:50	1.6	232	53	3.3	0
03/10/2023 02:00	1.8	233	48	3.5	0
03/10/2023 02:10	1.7	249	48	3.4	0
03/10/2023 02:20	1.6	264	48	2.9	0
03/10/2023 02:30	0.9	203	77	2.1	0
03/10/2023 02:40	1.1	190	60	2.4	0
03/10/2023 02:50	1.4	193	42	2.4	0
03/10/2023 03:00	1.4	200	57	2.9	0
03/10/2023 03:10	1.9	203	43	3.6	0
03/10/2023 03:20	2.6	207	24	5.1	0
03/10/2023 03:30	2.3	201	33	4.4	0
03/10/2023 03:40	2.1	207	34	3.6	0
03/10/2023 03:50	1.3	252	51	2.7	0
03/10/2023 04:00	1.2	204	52	2.4	0
03/10/2023 04:10	1	221	52	2	0
03/10/2023 04:20	0.7	284	37	1.2	0
03/10/2023 04:30	1.1	330	19	1.5	0
03/10/2023 04:40	1.5	323	11	1.8	0
03/10/2023 04:50	1.2	314	12	1.6	0
03/10/2023 05:00	1.1	298	20	1.7	0
03/10/2023 05:10	0.8	277	19	1.3	0
03/10/2023 05:20	0.9	326	20	1.3	0
03/10/2023 05:30	1.3	335	6	1.6	0
03/10/2023 05:40	1	285	20	1.6	0.2
03/10/2023 05:50	0.6	221	15	1.6	0.1
03/10/2023 06:00	2.1	195	15	3.5	0
03/10/2023 06:10	1.9	190	16	2.8	0
03/10/2023 06:20	1.4	197	29	2.5	0
03/10/2023 06:30	1.2	210	30	2.8	0
03/10/2023 06:40	1.2	203	26	2	0
03/10/2023 06:50	1.2	185	31	2.1	0
03/10/2023 07:00	1	202	43	1.9	0
03/10/2023 07:10	1.5	190	21	2.4	0
03/10/2023 07:20	1.4	222	42	2.5	0
03/10/2023 07:30	1.4	257	42	2.7	0
03/10/2023 07:40	1.6	266	43	3	0
03/10/2023 07:50	1.8	261	34	3	0
03/10/2023 08:00	1.9	261	26	3.2	0
03/10/2023 08:10	1.6	247	53	3.2	0
03/10/2023 08:20	2	264	34	3.7	0
03/10/2023 08:30	1.7	221	40	3.2	0
03/10/2023 08:40	2.1	232	47	3.6	0
03/10/2023 08:50	1.9	264	32	3.6	0
03/10/2023 09:00	2.1	258	33	3.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/10/2023 09:10	2.1	212	35	3.6	0
03/10/2023 09:20	2.4	192	18	3.8	0
03/10/2023 09:30	1.9	200	25	4	0
03/10/2023 09:40	2.9	205	21	4.1	0
03/10/2023 09:50	2.1	211	30	3.2	0
03/10/2023 10:00	2.1	226	35	3.3	0
03/10/2023 10:10	1.9	222	47	3.4	0
03/10/2023 10:20	1.5	215	44	3.2	0
03/10/2023 10:30	2	261	36	3.6	0
03/10/2023 10:40	2.4	278	25	3.9	0
03/10/2023 10:50	2.7	294	24	4.3	0
03/10/2023 11:00	2.4	275	20	3.5	0
03/10/2023 11:10	2.4	282	28	4	0
03/10/2023 11:20	2.4	289	24	3.6	0
03/10/2023 11:30	1.7	283	31	2.8	0
03/10/2023 11:40	2.3	286	27	3.9	0
03/10/2023 11:50	2.4	238	28	3.9	0
03/10/2023 12:00	2.6	271	28	3.6	0
03/10/2023 12:10	2.9	328	31	4.4	0
03/10/2023 12:20	3.7	328	13	5.6	0
03/10/2023 12:30	3.1	315	20	4.9	0
03/10/2023 12:40	3.2	318	27	4.8	0
03/10/2023 12:50	3.2	325	19	4.6	0
03/10/2023 13:00	3	306	24	4.8	0
03/10/2023 13:10	2.9	310	26	4.9	0
03/10/2023 13:20	3.3	320	22	5.2	0
03/10/2023 13:30	4.1	326	13	5.6	0
03/10/2023 13:40	4.2	327	11	5.6	0
03/10/2023 13:50	4.1	328	12	5.4	0
03/10/2023 14:00	4.3	323	13	5.8	0
03/10/2023 14:10	4.1	317	15	6.2	0
03/10/2023 14:20	3.7	310	17	5.4	0
03/10/2023 14:30	4.2	319	17	6	0
03/10/2023 14:40	4	321	15	5.5	0
03/10/2023 14:50	4.1	322	16	6.2	0
03/10/2023 15:00	3.7	317	22	5.8	0
03/10/2023 15:10	4.3	321	15	6.2	0
03/10/2023 15:20	4.4	304	18	6.5	0
03/10/2023 15:30	4	269	22	6.2	0
03/10/2023 15:40	3.2	296	24	4.8	0
03/10/2023 15:50	3.7	284	22	6	0
03/10/2023 16:00	3.5	282	24	5.7	0
03/10/2023 16:10	3.2	280	26	5	0
03/10/2023 16:20	3.5	279	23	5.6	0
03/10/2023 16:30	3.7	288	21	5.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/10/2023 16:40	3.5	287	24	5.6	0
03/10/2023 16:50	3.8	297	20	6	0
03/10/2023 17:00	4.1	299	19	5.9	0
03/10/2023 17:10	4.3	303	17	5.9	0
03/10/2023 17:20	3.7	292	24	6.2	0
03/10/2023 17:30	3.9	300	22	6.2	0
03/10/2023 17:40	3.2	296	18	5.1	0
03/10/2023 17:50	3.1	293	24	4.8	0
03/10/2023 18:00	3	295	25	4.8	0
03/10/2023 18:10	3.3	284	21	5.6	0
03/10/2023 18:20	3.4	286	21	5.4	0
03/10/2023 18:30	2.7	274	33	5	0
03/10/2023 18:40	3.4	272	25	6.1	0
03/10/2023 18:50	3.4	267	25	5.4	0
03/10/2023 19:00	3.8	267	22	5.7	0
03/10/2023 19:10	3.4	272	18	5.2	0
03/10/2023 19:20	3.7	266	20	6	0
03/10/2023 19:30	3.7	266	26	6.1	0
03/10/2023 19:40	3.2	265	25	5.4	0
03/10/2023 19:50	2.9	276	22	4.4	0
03/10/2023 20:00	2.7	287	27	4.7	0
03/10/2023 20:10	2.7	286	26	4.6	0
03/10/2023 20:20	3	280	24	4.9	0
03/10/2023 20:30	3.6	290	17	5.3	0
03/10/2023 20:40	2.5	291	23	3.8	0
03/10/2023 20:50	2.8	278	25	4.6	0
03/10/2023 21:00	2.7	270	22	4.4	0
03/10/2023 21:10	2.8	276	21	4.5	0
03/10/2023 21:20	2.5	279	21	4	0
03/10/2023 21:30	2.4	272	18	3.6	0
03/10/2023 21:40	2.2	274	20	3.8	0
03/10/2023 21:50	2.5	258	22	3.6	0
03/10/2023 22:00	2.2	257	25	3.7	0
03/10/2023 22:10	2.3	260	25	3.6	0
03/10/2023 22:20	2.3	262	23	3.7	0
03/10/2023 22:30	2.3	259	23	3.5	0
03/10/2023 22:40	2.1	264	26	3.2	0
03/10/2023 22:50	1.8	272	36	3.6	0
03/10/2023 23:00	1	265	79	1.9	0
03/10/2023 23:10	1	200	68	1.8	0
03/10/2023 23:20	0.9	239	60	2	0
03/10/2023 23:30	1.5	184	16	2.5	0
03/10/2023 23:40	1.4	247	27	2.5	0
03/10/2023 23:50	2.1	250	22	3.2	0
03/11/2023 00:00	2.6	256	14	3.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/11/2023 00:10	2.4	258	13	3.4	0
03/11/2023 00:20	2.6	236	22	3.6	0
03/11/2023 00:30	2.8	222	20	4	0
03/11/2023 00:40	2.9	224	22	4.8	0
03/11/2023 00:50	3.6	217	18	5.1	0
03/11/2023 01:00	3.7	219	16	5.2	0
03/11/2023 01:10	3.4	216	18	4.8	0
03/11/2023 01:20	3.3	222	17	4.8	0
03/11/2023 01:30	3.6	223	15	4.9	0
03/11/2023 01:40	3.5	230	17	4.8	0
03/11/2023 01:50	3	235	17	4.5	0
03/11/2023 02:00	2.7	233	18	4.4	0
03/11/2023 02:10	3.2	228	18	4.8	0
03/11/2023 02:20	3.5	231	17	5.1	0
03/11/2023 02:30	3.7	226	18	5.8	0
03/11/2023 02:40	3.6	222	19	5.5	0
03/11/2023 02:50	3.9	225	18	5.6	0
03/11/2023 03:00	3.7	231	19	5	0
03/11/2023 03:10	4	234	15	6	0
03/11/2023 03:20	4	227	17	5.6	0
03/11/2023 03:30	4.4	224	14	6.2	0
03/11/2023 03:40	4.4	221	14	5.9	0
03/11/2023 03:50	3.9	216	13	5.3	0
03/11/2023 04:00	3.6	212	14	5.1	0
03/11/2023 04:10	3.4	211	16	4.5	0
03/11/2023 04:20	3.5	212	14	4.8	0
03/11/2023 04:30	3.3	205	14	4.8	0
03/11/2023 04:40	3.2	201	14	4.6	0
03/11/2023 04:50	3.4	206	13	5.2	0
03/11/2023 05:00	3.5	203	14	4.9	0
03/11/2023 05:10	3.6	205	14	5.3	0
03/11/2023 05:20	3.9	207	12	6	0
03/11/2023 05:30	3.9	205	13	5.4	0
03/11/2023 05:40	3.9	204	13	5.4	0
03/11/2023 05:50	3.9	202	12	5.3	0
03/11/2023 06:00	4	203	14	5.6	0
03/11/2023 06:10	4	203	12	5.2	0
03/11/2023 06:20	4.1	202	11	5.3	0
03/11/2023 06:30	4.1	204	11	5.3	0
03/11/2023 06:40	3.7	204	10	4.9	0
03/11/2023 06:50	3.6	204	11	4.8	0
03/11/2023 07:00	3.6	204	12	5.1	0
03/11/2023 07:10	3.9	209	11	4.7	0
03/11/2023 07:20	3.7	205	14	4.7	0
03/11/2023 07:30	3.1	200	16	4.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/11/2023 07:40	3.1	202	13	4.5	0
03/11/2023 07:50	3.2	205	13	4.1	0
03/11/2023 08:00	2.9	204	13	4	0
03/11/2023 08:10	3	204	15	4.2	0
03/11/2023 08:20	2.5	201	18	4	0
03/11/2023 08:30	2.4	196	19	3.9	0
03/11/2023 08:40	3	191	21	5.4	0
03/11/2023 08:50	2.9	193	24	5.5	0
03/11/2023 09:00	2	188	39	3.2	0
03/11/2023 09:10	1.7	147	32	3	0
03/11/2023 09:20	2	157	26	3.6	0
03/11/2023 09:30	2.1	134	27	3.5	0
03/11/2023 09:40	2.2	130	31	3.9	0
03/11/2023 09:50	3	117	18	4.9	0
03/11/2023 10:00	2.8	123	19	4.1	0
03/11/2023 10:10	3	126	19	4.8	0
03/11/2023 10:20	2.3	136	34	5.1	0
03/11/2023 10:30	2.2	143	30	3.9	0
03/11/2023 10:40	1.9	132	41	4.4	0
03/11/2023 10:50	2	128	34	3.8	0
03/11/2023 11:00	2.1	105	29	3.2	0
03/11/2023 11:10	2.4	111	23	3.8	0
03/11/2023 11:20	2.2	118	22	3.7	0
03/11/2023 11:30	2.3	117	19	3.2	0
03/11/2023 11:40	1.6	123	37	2.7	0
03/11/2023 11:50	1.9	73	23	2.8	0
03/11/2023 12:00	1.5	56	28	2.2	0
03/11/2023 12:10	1.8	51	18	2.7	0
03/11/2023 12:20	1.8	50	18	2.6	0
03/11/2023 12:30	1.6	46	18	2.4	0
03/11/2023 12:40	1.9	51	14	2.5	0
03/11/2023 12:50	2	51	12	2.7	0
03/11/2023 13:00	1.9	47	17	3	0
03/11/2023 13:10	2.2	46	15	3.2	0
03/11/2023 13:20	2.4	52	11	3.4	0
03/11/2023 13:30	2.8	51	14	3.6	0
03/11/2023 13:40	3	57	10	4	0
03/11/2023 13:50	3.6	49	11	4.4	0
03/11/2023 14:00	3	31	25	4.6	0
03/11/2023 14:10	3.2	251	30	4.7	0
03/11/2023 14:20	2.9	267	19	4.4	0
03/11/2023 14:30	3.3	272	21	4.8	0
03/11/2023 14:40	3.4	264	18	5.2	0
03/11/2023 14:50	3.2	272	22	4.8	0
03/11/2023 15:00	2.7	266	25	4.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/11/2023 15:10	3.1	274	21	4.8	0
03/11/2023 15:20	3.5	266	20	4.8	0
03/11/2023 15:30	3.6	267	19	5.3	0
03/11/2023 15:40	4.1	261	16	6.1	0
03/11/2023 15:50	3.6	266	19	5.4	0
03/11/2023 16:00	3.9	273	17	6.4	0
03/11/2023 16:10	4	267	23	6.2	0
03/11/2023 16:20	4	273	17	6	0
03/11/2023 16:30	4.3	270	21	6.7	0
03/11/2023 16:40	3.7	273	31	5.8	0
03/11/2023 16:50	3.7	260	34	6.1	0
03/11/2023 17:00	3.2	264	41	6.3	0
03/11/2023 17:10	3.5	269	27	5.6	0
03/11/2023 17:20	4	270	23	6.8	0
03/11/2023 17:30	3.5	269	29	6.2	0
03/11/2023 17:40	3.7	269	27	6.4	0
03/11/2023 17:50	3.5	276	24	6.4	0
03/11/2023 18:00	3.3	265	32	5.8	0
03/11/2023 18:10	3	271	42	4.9	0
03/11/2023 18:20	3.7	271	30	6.9	0
03/11/2023 18:30	3.9	266	22	6.4	0
03/11/2023 18:40	3.7	269	21	5.7	0
03/11/2023 18:50	3.1	267	36	6.3	0
03/11/2023 19:00	3.8	268	24	6.6	0
03/11/2023 19:10	3.6	271	22	5.5	0
03/11/2023 19:20	3.7	267	25	6	0
03/11/2023 19:30	3.7	267	22	5.9	0
03/11/2023 19:40	3.3	267	27	5.2	0
03/11/2023 19:50	3.6	267	27	5.8	0
03/11/2023 20:00	3.5	264	24	5.6	0
03/11/2023 20:10	3.1	267	30	5.1	0
03/11/2023 20:20	3.2	265	27	5.1	0
03/11/2023 20:30	3.2	268	26	5.5	0
03/11/2023 20:40	2.9	275	33	4.9	0
03/11/2023 20:50	2.5	265	38	4.5	0
03/11/2023 21:00	2.6	269	38	4.8	0
03/11/2023 21:10	2.5	268	39	4.8	0
03/11/2023 21:20	3.1	270	32	5.2	0
03/11/2023 21:30	2.8	272	25	4	0
03/11/2023 21:40	2.9	275	25	4.9	0
03/11/2023 21:50	2.9	273	22	4.4	0
03/11/2023 22:00	3.2	279	19	4.9	0
03/11/2023 22:10	3.1	271	20	5.1	0
03/11/2023 22:20	2.7	271	31	5.3	0
03/11/2023 22:30	2.8	264	31	4.9	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/11/2023 22:40	1.9	247	52	3.7	0
03/11/2023 22:50	2.1	240	46	3.7	0
03/11/2023 23:00	1.8	235	51	3.6	0
03/11/2023 23:10	1.9	252	46	3.6	0
03/11/2023 23:20	1.9	269	58	3.6	0
03/11/2023 23:30	2.2	269	35	4	0
03/11/2023 23:40	2.4	273	24	3.9	0
03/11/2023 23:50	1.7	253	46	3.1	0
03/12/2023 00:00	1	285	68	2	0
03/12/2023 00:10	1.9	274	34	3.3	0
03/12/2023 00:20	2	279	24	3	0
03/12/2023 00:30	2.1	280	24	3.3	0
03/12/2023 00:40	2	277	24	3.1	0
03/12/2023 00:50	2.2	282	21	3.6	0
03/12/2023 01:00	1.8	280	27	2.8	0
03/12/2023 01:10	1.2	275	59	2.4	0
03/12/2023 01:20	1.5	287	53	3.1	0
03/12/2023 01:30	0.9	244	85	2.2	0
03/12/2023 01:40	1.2	224	44	2.3	0
03/12/2023 01:50	0.6	259	71	1.4	0
03/12/2023 02:00	0.9	293	59	2.6	0
03/12/2023 02:10	1.3	275	41	2.8	0
03/12/2023 02:20	1.4	246	36	2.8	0
03/12/2023 02:30	1.7	226	51	3.6	0
03/12/2023 02:40	1.4	214	60	2.9	0
03/12/2023 02:50	1	239	67	2.4	0
03/12/2023 03:00	1.4	244	53	3.1	0
03/12/2023 03:10	1.4	266	37	2.8	0
03/12/2023 03:20	1.9	288	14	2.4	0
03/12/2023 03:30	1.8	266	26	3.6	0
03/12/2023 03:40	1.7	267	21	3.2	0
03/12/2023 03:50	2	258	17	3.2	0
03/12/2023 04:00	2.4	260	19	3.8	0
03/12/2023 04:10	2.5	257	19	4	0
03/12/2023 04:20	2.6	248	24	4.3	0
03/12/2023 04:30	2.7	252	19	4.2	0
03/12/2023 04:40	2.3	252	25	3.5	0
03/12/2023 04:50	2.4	250	28	4.1	0
03/12/2023 05:00	2	240	35	3.9	0
03/12/2023 05:10	2.1	249	33	3.6	0
03/12/2023 05:20	2.3	263	28	3.7	0
03/12/2023 05:30	2.1	275	19	3.6	0
03/12/2023 05:40	2.2	277	16	3.2	0
03/12/2023 05:50	2.2	280	14	3.2	0
03/12/2023 06:00	2.2	282	7	2.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/12/2023 06:10	2	280	8	2.5	0
03/12/2023 06:20	2	252	16	3.3	0
03/12/2023 06:30	1.2	275	30	1.9	0
03/12/2023 06:40	1.5	241	25	2.3	0
03/12/2023 06:50	1.6	268	20	2.4	0
03/12/2023 07:00	1.5	218	33	2.3	0
03/12/2023 07:10	1.7	277	15	2.8	0
03/12/2023 07:20	0.9	237	29	1.5	0
03/12/2023 07:30	1.4	282	21	2	0
03/12/2023 07:40	1.3	271	26	2	0
03/12/2023 07:50	0.8	98	30	1.4	0
03/12/2023 08:00	1.5	303	13	2	0
03/12/2023 08:10	0.9	284	32	1.5	0
03/12/2023 08:20	1.1	39	28	1.7	0
03/12/2023 08:30	1.5	134	47	2.8	0
03/12/2023 08:40	1.7	138	35	3.3	0
03/12/2023 08:50	1.6	138	35	2.8	0
03/12/2023 09:00	1.9	116	28	3.1	0
03/12/2023 09:10	1.9	110	30	3	0
03/12/2023 09:20	2	123	23	3.5	0
03/12/2023 09:30	2	110	24	2.8	0
03/12/2023 09:40	1.9	114	24	2.9	0
03/12/2023 09:50	2.2	107	18	3.1	0
03/12/2023 10:00	2.1	80	18	3.2	0
03/12/2023 10:10	2.1	78	19	3.2	0
03/12/2023 10:20	2.2	71	24	2.8	0
03/12/2023 10:30	1.9	66	17	2.8	0
03/12/2023 10:40	2.1	53	16	2.8	0
03/12/2023 10:50	2.1	62	13	2.9	0
03/12/2023 11:00	2.1	54	18	2.9	0
03/12/2023 11:10	2	51	20	2.8	0
03/12/2023 11:20	2.1	56	20	3.1	0
03/12/2023 11:30	2.1	54	16	3.1	0
03/12/2023 11:40	2.8	45	15	4.3	0
03/12/2023 11:50	3.5	50	12	4.8	0
03/12/2023 12:00	3.9	44	12	5.2	0
03/12/2023 12:10	3.9	45	12	5.2	0
03/12/2023 12:20	3.9	43	12	5.2	0
03/12/2023 12:30	3.8	46	14	5.3	0
03/12/2023 12:40	4	44	15	5.6	0
03/12/2023 12:50	4.4	46	13	5.9	0
03/12/2023 13:00	4.2	46	13	5.9	0
03/12/2023 13:10	4.3	47	13	5.6	0
03/12/2023 13:20	4.3	43	14	6	0
03/12/2023 13:30	4.6	46	14	6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/12/2023 13:40	4.6	44	13	6.2	0
03/12/2023 13:50	4.2	46	13	6	0
03/12/2023 14:00	4.4	44	13	6	0
03/12/2023 14:10	4.2	44	11	5.9	0
03/12/2023 14:20	4.2	46	14	5.9	0
03/12/2023 14:30	4.6	47	12	6.4	0
03/12/2023 14:40	4.9	44	12	6.8	0
03/12/2023 14:50	4.3	44	14	6.3	0
03/12/2023 15:00	4.4	42	14	6.2	0
03/12/2023 15:10	4.6	44	13	6.9	0
03/12/2023 15:20	4.9	49	14	6.4	0
03/12/2023 15:30	4.8	49	11	6.7	0
03/12/2023 15:40	4.4	45	13	6	0
03/12/2023 15:50	4.5	48	12	6	0
03/12/2023 16:00	3.9	53	11	5.6	0
03/12/2023 16:10	3.7	54	11	4.8	0
03/12/2023 16:20	3.7	50	12	5.2	0
03/12/2023 16:30	3.3	57	10	4.5	0
03/12/2023 16:40	3.2	26	22	4.7	0
03/12/2023 16:50	4.3	338	13	5.8	0
03/12/2023 17:00	3.9	333	12	5.2	0
03/12/2023 17:10	3.8	338	10	5.1	0
03/12/2023 17:20	3.6	340	13	4.8	0
03/12/2023 17:30	2.7	319	19	4.3	0
03/12/2023 17:40	3.1	310	16	4.4	0
03/12/2023 17:50	3.4	326	13	4.9	0
03/12/2023 18:00	3.1	329	14	4.7	0
03/12/2023 18:10	3.3	321	18	5	0
03/12/2023 18:20	2.7	316	18	4.4	0
03/12/2023 18:30	3	303	20	4.8	0
03/12/2023 18:40	2.6	296	20	4.4	0
03/12/2023 18:50	2.8	289	23	4.4	0
03/12/2023 19:00	3.1	280	16	4.4	0
03/12/2023 19:10	2.4	293	25	4.3	0
03/12/2023 19:20	2.7	281	22	4.3	0
03/12/2023 19:30	2.9	268	17	4.1	0
03/12/2023 19:40	2.7	261	19	4.1	0
03/12/2023 19:50	2.6	272	16	4.2	0
03/12/2023 20:00	2.4	272	22	4	0
03/12/2023 20:10	2.5	271	18	3.7	0
03/12/2023 20:20	2.7	275	22	3.9	0
03/12/2023 20:30	2.5	276	19	4	0
03/12/2023 20:40	2.2	270	33	4	0
03/12/2023 20:50	2.5	280	19	3.7	0
03/12/2023 21:00	2.2	272	23	4	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/12/2023 21:10	1.4	250	51	2.6	0
03/12/2023 21:20	1	271	60	2.2	0
03/12/2023 21:30	1.6	291	41	3.1	0
03/12/2023 21:40	1.5	260	47	2.9	0
03/12/2023 21:50	1.6	267	42	2.7	0
03/12/2023 22:00	1.3	265	37	2.2	0
03/12/2023 22:10	1.2	284	40	2.5	0
03/12/2023 22:20	1.4	281	42	2.8	0
03/12/2023 22:30	0.9	263	81	1.9	0
03/12/2023 22:40	1.3	219	54	2.3	0
03/12/2023 22:50	1.2	247	56	2.5	0
03/12/2023 23:00	0.9	185	45	1.6	0
03/12/2023 23:10	0.9	207	54	1.6	0
03/12/2023 23:20	0.5	242	32	1.6	0
03/12/2023 23:30	1.3	212	27	2	0
03/12/2023 23:40	1.2	181	27	2	0
03/12/2023 23:50	1.3	185	12	2	0
13/03/2023 00:00	1.5	185	13	2.1	0
13/03/2023 00:10	0.9	192	19	1.4	0
13/03/2023 00:20	0.8	203	21	1.4	0
13/03/2023 00:30	1.4	190	17	2	0
13/03/2023 00:40	1.7	191	12	2.6	0
13/03/2023 00:50	1.7	199	20	2.5	0
13/03/2023 01:00	2	190	14	3.2	0
13/03/2023 01:10	0.8	302	47	1.6	0
13/03/2023 01:20	0.7	296	29	1.2	0
13/03/2023 01:30	0.6	330	46	1.5	0
13/03/2023 01:40	1.4	346	8	1.7	0
13/03/2023 01:50	0.9	323	10	1.2	0
13/03/2023 02:00	0.2	244	13	1.2	0
13/03/2023 02:10	0.6	215	26	1.3	0
13/03/2023 02:20	0.5	189	31	1.3	0
13/03/2023 02:30	0.4	174	11	1	0
13/03/2023 02:40	0.6	275	22	1.2	0
13/03/2023 02:50	0.7	240	33	1.5	0
13/03/2023 03:00	0.5	218	29	1.2	0
13/03/2023 03:10	0.9	197	17	1.7	0
13/03/2023 03:20	1	243	25	1.5	0
13/03/2023 03:30	1.2	196	17	1.8	0
13/03/2023 03:40	0.3	264	24	1.1	0
13/03/2023 03:50	0.9	337	17	1.3	0
13/03/2023 04:00	0.2	336	3	0.7	0
13/03/2023 04:10					0
13/03/2023 04:20	0	176	0	0.6	0
13/03/2023 04:30	0.1	180	1	0.6	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/03/2023 04:40					0
13/03/2023 04:50					0
13/03/2023 05:00					0
13/03/2023 05:10	0.3	49	8	0.8	0
13/03/2023 05:20					0
13/03/2023 05:30					0
13/03/2023 05:40					0
13/03/2023 05:50	0	73	0	0.4	0
13/03/2023 06:00					0
13/03/2023 06:10	0.1	325	8	0.6	0
13/03/2023 06:20	0.1	286	5	0.5	0
13/03/2023 06:30					0
13/03/2023 06:40	0.3	311	8	0.8	0
13/03/2023 06:50					0
13/03/2023 07:00	0.2	4	9	1.1	0
13/03/2023 07:10	0.1	4	6	0.8	0
13/03/2023 07:20	2	356	13	3.2	0
13/03/2023 07:30	2.7	356	17	3.5	0
13/03/2023 07:40	2.7	352	14	3.3	0
13/03/2023 07:50	2.6	177	10	3.5	0
13/03/2023 08:00	2.2	176	16	3.2	0
13/03/2023 08:10	2.1	357	17	2.9	0
13/03/2023 08:20	1.7	176	17	2.4	0
13/03/2023 08:30	1.3	12	18	2.5	0
13/03/2023 08:40	1.5	181	29	2.7	0
13/03/2023 08:50	1.5	18	47	2.3	0
13/03/2023 09:00	1.6	66	20	2.2	0
13/03/2023 09:10	1.9	65	13	2.7	0
13/03/2023 09:20	2.2	68	19	2.9	0
13/03/2023 09:30	2.4	55	12	3	0
13/03/2023 09:40	2.2	65	14	3.1	0
13/03/2023 09:50	2.1	72	20	2.8	0
13/03/2023 10:00	2.5	80	16	3.4	0
13/03/2023 10:10	2.3	73	18	3.3	0
13/03/2023 10:20	2.4	73	21	3.3	0
13/03/2023 10:30	2.4	77	19	3.4	0
13/03/2023 10:40	2.7	67	16	3.4	0
13/03/2023 10:50	2.8	57	15	4	0
13/03/2023 11:00	2.8	54	13	3.6	0
13/03/2023 11:10	3	46	19	3.8	0
13/03/2023 11:20	2.7	47	12	3.6	0
13/03/2023 11:30	2.9	49	14	4	0
13/03/2023 11:40	3.1	51	15	4	0
13/03/2023 11:50	2.9	53	13	3.6	0
13/03/2023 12:00	3.2	56	14	4.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/03/2023 12:10	3.5	55	13	4.5	0
13/03/2023 12:20	3.4	53	18	4.6	0
13/03/2023 12:30	4	50	12	5.2	0
13/03/2023 12:40	3.6	50	12	5.2	0
13/03/2023 12:50	3.7	61	12	4.8	0
13/03/2023 13:00	3.9	58	12	5.1	0
13/03/2023 13:10	3.9	57	14	5	0
13/03/2023 13:20	4.1	53	12	5.5	0
13/03/2023 13:30	4	48	17	5.9	0
13/03/2023 13:40	3.5	39	18	5.3	0
13/03/2023 13:50	3.3	12	25	5.5	0
13/03/2023 14:00	4.1	336	17	6	0
13/03/2023 14:10	3.7	334	18	6	0
13/03/2023 14:20	4.2	348	16	5.6	0
13/03/2023 14:30	4	339	14	6.5	0
13/03/2023 14:40	3.8	342	20	5.6	0
13/03/2023 14:50	3.5	346	23	5.8	0
13/03/2023 15:00	3.8	343	13	5.2	0
13/03/2023 15:10	3.9	339	16	5.2	0
13/03/2023 15:20	4.1	341	13	5.8	0
13/03/2023 15:30	4.3	341	13	5.8	0
13/03/2023 15:40	4.2	344	13	6.1	0
13/03/2023 15:50	4.5	343	15	6.1	0
13/03/2023 16:00	4.7	351	13	6.2	0
13/03/2023 16:10	4.5	343	14	6	0
13/03/2023 16:20	4.5	345	14	6.6	0
13/03/2023 16:30	3.7	335	17	6	0
13/03/2023 16:40	3.4	311	19	4.9	0
13/03/2023 16:50	3.7	327	14	5.2	0
13/03/2023 17:00	3.7	317	15	5.2	0
13/03/2023 17:10	3.5	311	19	5.2	0
13/03/2023 17:20	3.6	316	17	5.2	0
13/03/2023 17:30	3.6	310	19	5.6	0
13/03/2023 17:40	3.6	305	19	5.6	0
13/03/2023 17:50	3.5	288	24	5.4	0
13/03/2023 18:00	3.4	304	18	5.4	0
13/03/2023 18:10	3	299	19	4.5	0
13/03/2023 18:20	3.5	288	22	5.4	0
13/03/2023 18:30	3.5	292	25	5.8	0
13/03/2023 18:40	3.8	281	18	5.6	0
13/03/2023 18:50	3	284	29	5.2	0
13/03/2023 19:00	3.6	278	19	5.2	0
13/03/2023 19:10	3.6	288	22	5.6	0
13/03/2023 19:20	3.6	280	20	5.6	0
13/03/2023 19:30	3.4	283	21	5.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/03/2023 19:40	3.2	286	22	5.1	0
13/03/2023 19:50	3	278	21	4.5	0
13/03/2023 20:00	3.2	283	19	4.8	0
13/03/2023 20:10	3.4	282	18	4.9	0
13/03/2023 20:20	3.1	284	22	4.8	0
13/03/2023 20:30	2.7	276	20	4.2	0
13/03/2023 20:40	2.9	284	20	4.6	0
13/03/2023 20:50	2.7	272	26	4.6	0
13/03/2023 21:00	3	269	24	4.9	0
13/03/2023 21:10	2.9	266	20	4.2	0
13/03/2023 21:20	3.5	264	18	5.2	0
13/03/2023 21:30	2.9	266	25	5.6	0
13/03/2023 21:40	3.1	265	22	4.8	0
13/03/2023 21:50	2.7	266	23	4.4	0
13/03/2023 22:00	3	266	27	4.8	0
13/03/2023 22:10	2.4	263	31	3.8	0
13/03/2023 22:20	1.9	266	53	3.9	0
13/03/2023 22:30	2.7	267	33	4.7	0
13/03/2023 22:40	1.8	270	41	4.1	0
13/03/2023 22:50	2.1	280	50	3.8	0
13/03/2023 23:00	1.9	279	35	3.7	0
13/03/2023 23:10	1.5	276	64	3.2	0
13/03/2023 23:20	2	276	34	3.5	0
13/03/2023 23:30	1.8	272	41	3.2	0
13/03/2023 23:40	1	273	59	2.9	0
13/03/2023 23:50	1.4	265	36	2.5	0
14/03/2023 00:00	1	223	42	2	0
14/03/2023 00:10	1.3	205	35	2.1	0
14/03/2023 00:20	1.6	196	25	2.8	0
14/03/2023 00:30	1.6	199	30	2.8	0
14/03/2023 00:40	2.5	194	17	3.6	0
14/03/2023 00:50	2.3	192	15	3.4	0
14/03/2023 01:00	2.2	198	20	3.5	0
14/03/2023 01:10	1.2	181	31	2	0
14/03/2023 01:20	1.5	185	28	2.8	0
14/03/2023 01:30	1.5	194	40	2.8	0
14/03/2023 01:40	1	190	22	2.3	0
14/03/2023 01:50	1.4	192	23	2.8	0
14/03/2023 02:00	1.3	185	20	2.6	0
14/03/2023 02:10	0.9	176	24	3.2	0
14/03/2023 02:20	0.8	242	39	1.6	0
14/03/2023 02:30	1	216	27	2.7	0
14/03/2023 02:40	1.2	214	30	2.8	0
14/03/2023 02:50	0.7	198	29	2	0
14/03/2023 03:00	0.9	222	64	2.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/03/2023 03:10	0.7	236	51	2.2	0
14/03/2023 03:20	0.7	218	35	2.2	0
14/03/2023 03:30	0.8	233	50	2.1	0
14/03/2023 03:40	1	233	53	2.2	0
14/03/2023 03:50	1	198	34	2.2	0
14/03/2023 04:00	1.5	191	29	2.6	0
14/03/2023 04:10	1.1	182	46	3	0
14/03/2023 04:20	1.2	197	44	2.7	0
14/03/2023 04:30	1.1	254	46	3	0
14/03/2023 04:40	0.8	278	55	1.8	0
14/03/2023 04:50	1.2	266	39	2.5	0
14/03/2023 05:00	0.8	280	54	1.6	0
14/03/2023 05:10	0.9	290	22	2	0
14/03/2023 05:20	0.9	317	13	1.4	0
14/03/2023 05:30	0.4	294	6	1.2	0
14/03/2023 05:40	1.4	299	14	2	0
14/03/2023 05:50	1.2	288	15	1.7	0
14/03/2023 06:00	0.9	306	17	1.5	0
14/03/2023 06:10	1.1	293	8	1.5	0
14/03/2023 06:20	1.1	299	14	1.6	0
14/03/2023 06:30	1.2	299	18	1.6	0
14/03/2023 06:40	0.2	205	10	1	0
14/03/2023 06:50	1	125	24	1.8	0
14/03/2023 07:00	0.5	7	11	1.1	0
14/03/2023 07:10	1.7	223	17	3	0
14/03/2023 07:20	2.1	251	29	3.8	0
14/03/2023 07:30	1	295	55	1.6	0
14/03/2023 07:40	1.1	13	19	2	0
14/03/2023 07:50	1.1	47	19	1.5	0
14/03/2023 08:00	1.1	52	13	1.9	0
14/03/2023 08:10	1.3	41	14	1.8	0
14/03/2023 08:20	1.1	35	30	1.7	0
14/03/2023 08:30	1.6	46	16	2.2	0
14/03/2023 08:40	2.1	61	14	2.8	0
14/03/2023 08:50	2.3	60	11	2.7	0
14/03/2023 09:00	2.3	61	14	3.1	0
14/03/2023 09:10	2.3	63	19	3.3	0
14/03/2023 09:20	2.6	62	17	3.5	0
14/03/2023 09:30	2.6	61	12	3.7	0
14/03/2023 09:40	2.9	62	14	3.6	0
14/03/2023 09:50	3	65	16	4.1	0
14/03/2023 10:00	3.1	74	17	4.1	0
14/03/2023 10:10	3.1	72	17	4	0
14/03/2023 10:20	3.3	64	13	4.3	0
14/03/2023 10:30	3.3	60	12	4.5	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/03/2023 10:40	3.3	57	10	4.2	0
14/03/2023 10:50	3.2	59	12	4.2	0
14/03/2023 11:00	3.2	58	16	4.1	0
14/03/2023 11:10	3.2	44	16	4.1	0
14/03/2023 11:20	3.6	61	12	4.7	0
14/03/2023 11:30	3.6	64	12	4.8	0
14/03/2023 11:40	3.6	57	12	4.7	0
14/03/2023 11:50	3.5	54	14	4.8	0
14/03/2023 12:00	3.6	55	12	5.2	0
14/03/2023 12:10	4.2	52	12	5.8	0
14/03/2023 12:20	4.1	49	12	5.6	0
14/03/2023 12:30	3.3	18	23	5.2	0
14/03/2023 12:40	2.8	349	22	4.3	0
14/03/2023 12:50	2.6	344	23	4.4	0
14/03/2023 13:00	3.4	349	21	5.2	0
14/03/2023 13:10	4.4	346	13	6	0
14/03/2023 13:20	4.7	346	16	6	0
14/03/2023 13:30	4.8	336	16	6.3	0
14/03/2023 13:40	5	328	20	7	0
14/03/2023 13:50	4.9	331	13	7.1	0
14/03/2023 14:00	4.7	334	11	6.2	0
14/03/2023 14:10	4.5	339	11	5.9	0
14/03/2023 14:20	4.5	340	15	6.8	0
14/03/2023 14:30	4.2	326	18	5.9	0
14/03/2023 14:40	4.1	321	17	5.9	0
14/03/2023 14:50	4	319	18	6.7	0
14/03/2023 15:00	4.1	322	15	5.9	0
14/03/2023 15:10	4	322	19	6.4	0
14/03/2023 15:20	4.7	326	13	6.2	0
14/03/2023 15:30	4.8	323	13	6.8	0
14/03/2023 15:40	4.3	320	17	6.2	0
14/03/2023 15:50	4.9	322	14	7.2	0
14/03/2023 16:00	4.4	319	18	6.8	0
14/03/2023 16:10	4.5	322	17	7	0
14/03/2023 16:20	4.7	320	16	6.8	0
14/03/2023 16:30	4.8	314	15	6.8	0
14/03/2023 16:40	5.2	321	14	7.2	0
14/03/2023 16:50	4	303	19	6.5	0
14/03/2023 17:00	4.4	299	21	6.6	0
14/03/2023 17:10	4.4	294	22	7	0
14/03/2023 17:20	4.8	298	22	7.5	0
14/03/2023 17:30	3.9	296	23	6.2	0
14/03/2023 17:40	3.9	283	20	6.8	0
14/03/2023 17:50	3.7	288	23	6.2	0
14/03/2023 18:00	3.9	287	21	6.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/03/2023 18:10	3.6	288	25	5.6	0
14/03/2023 18:20	3.3	284	25	5.6	0
14/03/2023 18:30	3.5	285	23	6	0
14/03/2023 18:40	3.7	283	21	6	0
14/03/2023 18:50	3.6	281	24	5.6	0
14/03/2023 19:00	3.2	281	24	4.8	0
14/03/2023 19:10	3.8	282	21	5.6	0
14/03/2023 19:20	3.4	278	20	5.2	0
14/03/2023 19:30	3.2	275	21	4.8	0
14/03/2023 19:40	3	268	23	5.1	0
14/03/2023 19:50	3.5	271	19	5.4	0
14/03/2023 20:00	2.9	273	18	4.8	0
14/03/2023 20:10	3.3	273	19	4.8	0
14/03/2023 20:20	3	276	23	4.8	0
14/03/2023 20:30	2.8	276	23	4.5	0
14/03/2023 20:40	3	271	21	5.5	0
14/03/2023 20:50	2.9	265	27	4.5	0
14/03/2023 21:00	2.7	265	25	4.9	0
14/03/2023 21:10	2.3	277	27	4.1	0
14/03/2023 21:20	2	284	22	3.2	0
14/03/2023 21:30	1.9	280	36	3.7	0
14/03/2023 21:40	2.1	257	31	3.7	0
14/03/2023 21:50	1.8	257	35	3.2	0
14/03/2023 22:00	1.6	261	53	2.8	0
14/03/2023 22:10	1.6	256	51	3.1	0
14/03/2023 22:20	1.7	239	61	3.2	0
14/03/2023 22:30	2	279	32	3.7	0
14/03/2023 22:40	2	272	30	3.6	0
14/03/2023 22:50	1.5	282	39	2.6	0
14/03/2023 23:00	0.8	260	56	2.5	0
14/03/2023 23:10	1.2	260	50	2.4	0
14/03/2023 23:20	1.4	248	52	2.8	0
14/03/2023 23:30	0.9	198	61	2.4	0
14/03/2023 23:40	1.2	196	36	2.4	0
14/03/2023 23:50	1.1	199	27	2.4	0
15/03/2023 00:00	1.2	200	32	2	0
15/03/2023 00:10	2	193	18	3.2	0
15/03/2023 00:20	2.6	192	14	3.7	0
15/03/2023 00:30	1.4	215	32	2.8	0
15/03/2023 00:40	2.1	184	25	3.5	0
15/03/2023 00:50	1.9	198	22	2.9	0
15/03/2023 01:00	2.1	185	14	3.2	0
15/03/2023 01:10	1.7	201	28	3	0
15/03/2023 01:20	0.3	223	16	1.7	0
15/03/2023 01:30	0.3	206	16	1.2	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/03/2023 01:40	0.3	271	17	1.9	0
15/03/2023 01:50	0.1	203	9	1	0
15/03/2023 02:00	0.1	213	15	1.4	0
15/03/2023 02:10	0.3	202	12	1.9	0
15/03/2023 02:20	0.1	185	5	0.8	0
15/03/2023 02:30	0.8	188	11	2.5	0
15/03/2023 02:40	1.3	195	20	2.5	0
15/03/2023 02:50	1.6	189	14	2.4	0
15/03/2023 03:00	2.2	193	12	3.4	0
15/03/2023 03:10	2.5	194	16	3.7	0
15/03/2023 03:20	2	200	23	3.8	0
15/03/2023 03:30	2	195	20	3.4	0
15/03/2023 03:40	1.9	196	41	3.2	0
15/03/2023 03:50	1.1	204	36	2.6	0
15/03/2023 04:00	1.2	236	37	2.7	0
15/03/2023 04:10	1.3	246	38	2.7	0
15/03/2023 04:20	1.2	234	48	3.1	0
15/03/2023 04:30	1.1	274	31	1.9	0
15/03/2023 04:40	0.8	191	19	2.1	0
15/03/2023 04:50	0.9	239	38	1.9	0
15/03/2023 05:00	0.3	285	44	1.2	0
15/03/2023 05:10	0.4	270	15	1.3	0
15/03/2023 05:20	0.7	264	50	1.7	0
15/03/2023 05:30	0.7	305	40	1.6	0
15/03/2023 05:40	0.8	299	15	1.2	0
15/03/2023 05:50	1	295	20	1.6	0
15/03/2023 06:00	0	334	4	0.4	0
15/03/2023 06:10	0.7	252	29	2	0
15/03/2023 06:20	0.5	314	22	1.2	0
15/03/2023 06:30	0.9	300	18	1.3	0
15/03/2023 06:40	0.6	291	25	1.3	0
15/03/2023 06:50	0.4	223	54	1.2	0
15/03/2023 07:00	0.5	195	45	1.2	0
15/03/2023 07:10	0.9	240	38	1.5	0
15/03/2023 07:20	0.3	222	36	1.1	0
15/03/2023 07:30	0.5	205	27	1.7	0
15/03/2023 07:40	0.9	266	36	2.4	0
15/03/2023 07:50	2	176	13	2.8	0
15/03/2023 08:00	1.8	200	18	2.6	0
15/03/2023 08:10	1.5	221	22	2.4	0
15/03/2023 08:20	2	189	15	2.8	0
15/03/2023 08:30	2.2	198	24	3.6	0
15/03/2023 08:40	1.5	193	30	2.4	0
15/03/2023 08:50	1.1	148	37	1.8	0
15/03/2023 09:00	2.1	76	12	2.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/03/2023 09:10	2	68	15	2.7	0
15/03/2023 09:20	1.8	65	20	2.6	0
15/03/2023 09:30	2	68	16	2.7	0
15/03/2023 09:40	2.1	76	15	2.8	0
15/03/2023 09:50	2.2	72	17	2.9	0
15/03/2023 10:00	2.1	68	18	2.8	0
15/03/2023 10:10	2	82	20	2.9	0
15/03/2023 10:20	2.6	52	12	3.3	0
15/03/2023 10:30	2.5	60	16	3.3	0
15/03/2023 10:40	2.3	67	22	3.4	0
15/03/2023 10:50	2.5	63	15	3.2	0
15/03/2023 11:00	2.8	52	13	3.5	0
15/03/2023 11:10	2.5	58	18	3.3	0
15/03/2023 11:20	2.4	74	17	3.1	0
15/03/2023 11:30	2.3	60	19	3.1	0
15/03/2023 11:40	2.3	70	16	3.2	0
15/03/2023 11:50	2.9	63	14	4	0
15/03/2023 12:00	2.4	59	16	3.4	0
15/03/2023 12:10	2.1	49	30	3.6	0
15/03/2023 12:20	2.1	312	50	4	0
15/03/2023 12:30	3.1	337	40	5.2	0
15/03/2023 12:40	3.4	333	16	5.2	0
15/03/2023 12:50	3.6	329	18	5.5	0
15/03/2023 13:00	3.3	326	17	4.8	0
15/03/2023 13:10	3.7	327	14	5.4	0
15/03/2023 13:20	3.9	326	17	5.2	0
15/03/2023 13:30	4.1	333	14	5.6	0
15/03/2023 13:40	4.3	328	16	6	0
15/03/2023 13:50	4.4	325	15	6	0
15/03/2023 14:00	4.4	332	12	6.4	0
15/03/2023 14:10	4.3	324	14	6.2	0
15/03/2023 14:20	4.5	331	15	6.1	0
15/03/2023 14:30	4.6	325	15	6.3	0
15/03/2023 14:40	4.3	329	13	5.9	0
15/03/2023 14:50	4.7	330	12	6.5	0
15/03/2023 15:00	4.6	330	14	6	0
15/03/2023 15:10	4.5	329	15	6.6	0
15/03/2023 15:20	4.1	322	14	5.9	0
15/03/2023 15:30	4.5	324	13	6	0
15/03/2023 15:40	3.5	311	21	5.6	0
15/03/2023 15:50	3.1	295	32	5.1	0
15/03/2023 16:00	3.7	293	20	5.9	0
15/03/2023 16:10	3.2	273	22	5.2	0
15/03/2023 16:20	3.4	278	18	4.9	0
15/03/2023 16:30	3.5	280	17	5.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/03/2023 16:40	3.4	290	20	4.9	0
15/03/2023 16:50	3.1	289	25	5	0
15/03/2023 17:00	2.9	293	27	4.6	0
15/03/2023 17:10	3.3	290	22	5.2	0
15/03/2023 17:20	3.6	288	19	5	0
15/03/2023 17:30	3.2	293	23	4.9	0
15/03/2023 17:40	4.4	302	14	5.9	0
15/03/2023 17:50	3.6	301	20	5.2	0
15/03/2023 18:00	3.1	295	21	5	0
15/03/2023 18:10	3.2	290	22	5.4	0
15/03/2023 18:20	3.2	285	20	5	0
15/03/2023 18:30	3	277	21	4.5	0
15/03/2023 18:40	2.7	285	20	4.7	0
15/03/2023 18:50	2.9	279	20	4.4	0
15/03/2023 19:00	3.1	269	21	4.6	0
15/03/2023 19:10	2.9	267	19	4.5	0
15/03/2023 19:20	2.7	271	22	4.3	0
15/03/2023 19:30	2.7	283	23	4.2	0
15/03/2023 19:40	2.9	282	22	4.4	0
15/03/2023 19:50	2.5	284	21	4.5	0
15/03/2023 20:00	2.4	275	29	4.1	0
15/03/2023 20:10	2.6	274	21	4.1	0
15/03/2023 20:20	2.6	273	21	4	0
15/03/2023 20:30	2.8	272	18	4.2	0
15/03/2023 20:40	2.6	271	21	3.9	0
15/03/2023 20:50	2.5	271	22	4	0
15/03/2023 21:00	2.5	273	18	4.1	0
15/03/2023 21:10	2.5	270	22	3.9	0
15/03/2023 21:20	2.7	274	24	4.4	0
15/03/2023 21:30	2.4	273	26	3.6	0
15/03/2023 21:40	2.3	275	32	4	0
15/03/2023 21:50	2.4	278	25	4.4	0
15/03/2023 22:00	1.6	273	40	3.2	0
15/03/2023 22:10	1	278	63	2.7	0
15/03/2023 22:20	0.9	242	58	1.8	0
15/03/2023 22:30	1.6	270	31	3.2	0
15/03/2023 22:40	1.5	270	32	2.6	0
15/03/2023 22:50	1.8	263	32	3.5	0
15/03/2023 23:00	1.2	222	56	3.1	0
15/03/2023 23:10	1.4	230	47	2.5	0
15/03/2023 23:20	1.6	250	49	3	0
15/03/2023 23:30	0.8	196	67	1.6	0
15/03/2023 23:40	1.9	263	49	3.7	0
15/03/2023 23:50	2.2	272	30	3.5	0
16/03/2023 00:00	1.3	229	60	2.8	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/03/2023 00:10	1.3	162	60	2.6	0
16/03/2023 00:20	1.2	218	72	2.5	0
16/03/2023 00:30	1.6	268	60	3.3	0
16/03/2023 00:40	1.3	207	58	2.5	0
16/03/2023 00:50	1.5	265	37	2.6	0
16/03/2023 01:00	1.4	232	56	2.5	0
16/03/2023 01:10	1.4	259	42	2.4	0
16/03/2023 01:20	1.3	190	43	1.9	0
16/03/2023 01:30	0.7	221	61	1.7	0
16/03/2023 01:40	1.3	283	36	2.7	0
16/03/2023 01:50	0.8	237	48	1.6	0
16/03/2023 02:00	1.5	277	30	2.8	0
16/03/2023 02:10	1.4	240	40	3	0
16/03/2023 02:20	0.6	195	49	1.9	0
16/03/2023 02:30	0.8	233	58	2.6	0
16/03/2023 02:40	1.1	214	57	2.4	0
16/03/2023 02:50	1	244	58	2.4	0
16/03/2023 03:00	1.4	204	49	3.1	0
16/03/2023 03:10	1.1	240	55	2.5	0
16/03/2023 03:20	1.2	233	71	2.7	0
16/03/2023 03:30	1.6	221	61	3.6	0
16/03/2023 03:40	2.4	202	36	4.4	0
16/03/2023 03:50	2	215	41	3.6	0
16/03/2023 04:00	1.7	214	52	3.6	0
16/03/2023 04:10	1.5	265	66	3	0
16/03/2023 04:20	2.2	205	44	4.7	0
16/03/2023 04:30	1.9	235	58	4.5	0
16/03/2023 04:40	2.2	249	47	3.6	0
16/03/2023 04:50	2.2	256	44	4	0
16/03/2023 05:00	1.7	217	59	3.6	0
16/03/2023 05:10	1.9	224	55	4.7	0
16/03/2023 05:20	1.4	239	63	3.2	0
16/03/2023 05:30	1.2	248	86	2.5	0
16/03/2023 05:40	1.8	235	51	3.6	0
16/03/2023 05:50	1.7	211	68	4.1	0
16/03/2023 06:00	1.8	222	51	3.5	0
16/03/2023 06:10	1.8	251	58	3.3	0
16/03/2023 06:20	1.9	234	54	3.6	0
16/03/2023 06:30	1.5	257	47	2.8	0
16/03/2023 06:40	1.4	276	30	2.8	0
16/03/2023 06:50	1.6	305	24	2.5	0
16/03/2023 07:00	1.6	312	16	2.4	0
16/03/2023 07:10	1.4	257	47	2.7	0
16/03/2023 07:20	1.6	332	35	2.5	0
16/03/2023 07:30	1.4	185	18	2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/03/2023 07:40	1.2	301	25	1.7	0
16/03/2023 07:50	1	243	51	2.1	0
16/03/2023 08:00	1.4	283	28	3.2	0
16/03/2023 08:10	1.6	280	31	2.8	0
16/03/2023 08:20	1.1	209	56	2.4	0
16/03/2023 08:30	0.9	223	52	1.6	0
16/03/2023 08:40	1.4	264	58	2.4	0
16/03/2023 08:50	2.7	198	21	4.2	0
16/03/2023 09:00	1.8	203	39	3.5	0
16/03/2023 09:10	1.9	196	30	3.4	0
16/03/2023 09:20	1.8	222	48	3.6	0
16/03/2023 09:30	2	204	31	3.7	0
16/03/2023 09:40	2.1	236	24	3.4	0
16/03/2023 09:50	2.2	274	24	3.6	0
16/03/2023 10:00	2.5	281	28	4	0
16/03/2023 10:10	2.3	287	27	3.7	0
16/03/2023 10:20	2.4	280	26	3.8	0
16/03/2023 10:30	2.5	284	27	3.8	0
16/03/2023 10:40	3	293	29	4.4	0
16/03/2023 10:50	2.7	288	23	4.1	0
16/03/2023 11:00	2.7	276	24	4.5	0
16/03/2023 11:10	2.6	293	29	4	0
16/03/2023 11:20	3.1	291	24	5.2	0
16/03/2023 11:30	2.8	290	24	4	0
16/03/2023 11:40	3.1	286	27	4.8	0
16/03/2023 11:50	3.4	274	24	5.6	0
16/03/2023 12:00	3.1	284	23	4.6	0
16/03/2023 12:10	3.4	274	21	5.3	0
16/03/2023 12:20	3.8	274	19	6	0
16/03/2023 12:30	3.7	274	27	5.9	0
16/03/2023 12:40	3.6	271	23	6	0
16/03/2023 12:50	3.5	267	26	6	0
16/03/2023 13:00	3.2	276	26	5	0
16/03/2023 13:10	4	284	19	6.4	0
16/03/2023 13:20	3.5	284	25	5.2	0
16/03/2023 13:30	3.9	278	23	5.8	0
16/03/2023 13:40	3.9	271	20	5.7	0
16/03/2023 13:50	4	269	20	5.7	0
16/03/2023 14:00	3.6	270	20	4.9	0
16/03/2023 14:10	4	265	19	5.7	0
16/03/2023 14:20	3.7	261	22	5.6	0
16/03/2023 14:30	3.5	272	22	5.5	0
16/03/2023 14:40	3.7	279	24	5.5	0
16/03/2023 14:50	3.4	275	24	5.2	0
16/03/2023 15:00	3.9	287	19	6.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/03/2023 15:10	3.4	283	27	5.3	0
16/03/2023 15:20	3.7	284	21	5.7	0
16/03/2023 15:30	4.2	298	21	6.4	0
16/03/2023 15:40	4	304	23	5.9	0
16/03/2023 15:50	4.3	295	21	6.3	0
16/03/2023 16:00	4.1	291	19	6	0
16/03/2023 16:10	5.1	303	17	7.2	0
16/03/2023 16:20	4.7	295	19	7.2	0
16/03/2023 16:30	4.4	294	23	6.9	0
16/03/2023 16:40	4.3	283	22	6.4	0
16/03/2023 16:50	4	288	20	6.5	0
16/03/2023 17:00	4.2	278	20	6.1	0
16/03/2023 17:10	3.8	276	19	5.6	0
16/03/2023 17:20	3.2	279	21	4.8	0
16/03/2023 17:30	3.5	273	17	5.2	0
16/03/2023 17:40	3.4	279	18	5.2	0
16/03/2023 17:50	3.5	272	19	5.2	0
16/03/2023 18:00	3.4	274	17	5.2	0
16/03/2023 18:10	3.5	274	18	5.8	0
16/03/2023 18:20	3.4	269	21	4.8	0
16/03/2023 18:30	3.4	272	17	4.8	0
16/03/2023 18:40	3.5	272	18	5.2	0
16/03/2023 18:50	2.6	273	20	4.4	0
16/03/2023 19:00	3	276	19	4.7	0
16/03/2023 19:10	3.1	272	24	4.6	0
16/03/2023 19:20	3.3	272	20	5	0
16/03/2023 19:30	3.3	273	18	4.8	0
16/03/2023 19:40	2.6	282	22	4.2	0
16/03/2023 19:50	2.6	274	29	4.4	0
16/03/2023 20:00	3	275	21	4.8	0
16/03/2023 20:10	2.9	281	24	4.8	0
16/03/2023 20:20	3	278	30	4.8	0
16/03/2023 20:30	3	279	21	4.8	0
16/03/2023 20:40	3	283	20	4.7	0
16/03/2023 20:50	3	269	25	4.9	0
16/03/2023 21:00	2.4	279	29	5	0
16/03/2023 21:10	2.5	274	31	4.4	0
16/03/2023 21:20	2.1	279	38	3.9	0
16/03/2023 21:30	1.2	211	83	2.8	0
16/03/2023 21:40	1.8	234	60	3.5	0
16/03/2023 21:50	2.5	247	33	4	0
16/03/2023 22:00	2	255	41	3.8	0
16/03/2023 22:10	1.4	221	64	2.8	0
16/03/2023 22:20	1.9	227	51	4	0
16/03/2023 22:30	1.7	235	59	3	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/03/2023 22:40	1.3	153	85	2.8	0
16/03/2023 22:50	1.5	274	59	3.2	0
16/03/2023 23:00	2.1	278	33	3.7	0
16/03/2023 23:10	1.3	251	61	2.7	0
16/03/2023 23:20	1.3	184	56	2.8	0
16/03/2023 23:30	1.8	260	62	3.8	0
16/03/2023 23:40	1.9	242	45	4	0
16/03/2023 23:50	1.9	249	46	4	0
17/03/2023 00:00	1.7	251	62	3.6	0
17/03/2023 00:10	2.1	273	29	3.2	0
17/03/2023 00:20	2	275	25	3.1	0
17/03/2023 00:30	1.8	274	29	2.9	0
17/03/2023 00:40	1.8	242	50	3.2	0
17/03/2023 00:50	2.2	261	32	4.1	0
17/03/2023 01:00	2.1	252	45	4.1	0
17/03/2023 01:10	2.4	266	29	3.9	0
17/03/2023 01:20	2.3	280	21	3.8	0
17/03/2023 01:30	2.2	278	28	3.6	0
17/03/2023 01:40	2.3	272	25	3.6	0
17/03/2023 01:50	1.5	246	50	2.7	0
17/03/2023 02:00	1.5	251	51	2.5	0
17/03/2023 02:10	1.5	282	39	3	0
17/03/2023 02:20	1.7	284	32	2.9	0
17/03/2023 02:30	1.1	268	39	2.2	0
17/03/2023 02:40	1	197	76	2.1	0
17/03/2023 02:50	1	176	80	2.8	0
17/03/2023 03:00	1.2	231	67	2.5	0
17/03/2023 03:10	1.1	279	71	2.8	0
17/03/2023 03:20	1.5	264	39	2.5	0
17/03/2023 03:30	1.4	276	61	2.9	0
17/03/2023 03:40	1.3	263	59	2.4	0
17/03/2023 03:50	1	237	63	2.3	0
17/03/2023 04:00	1.3	246	66	3.4	0
17/03/2023 04:10	1.2	229	57	2.7	0
17/03/2023 04:20	1.3	266	41	2.6	0
17/03/2023 04:30	1.6	276	34	2.9	0
17/03/2023 04:40	1.5	263	52	2.6	0
17/03/2023 04:50	1.4	256	61	2.8	0
17/03/2023 05:00	1.1	274	49	2.2	0
17/03/2023 05:10	1.4	279	38	2.7	0
17/03/2023 05:20	1.5	283	26	2.4	0
17/03/2023 05:30	1.4	246	53	2.4	0
17/03/2023 05:40	1.4	193	32	2.4	0
17/03/2023 05:50	1.9	191	39	3.4	0
17/03/2023 06:00	1.8	195	26	2.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/03/2023 06:10	1.6	194	21	2.7	0
17/03/2023 06:20	1.9	202	20	2.9	0
17/03/2023 06:30	1.2	244	49	2	0
17/03/2023 06:40	1.8	232	37	3	0
17/03/2023 06:50	2.1	245	27	3.2	0
17/03/2023 07:00	2.3	215	26	4.1	0
17/03/2023 07:10	1.9	231	27	3.1	0
17/03/2023 07:20	2	245	25	2.9	0
17/03/2023 07:30	2	251	22	3.3	0
17/03/2023 07:40	1.7	243	31	3.2	0
17/03/2023 07:50	1.7	227	30	3.1	0
17/03/2023 08:00	2.4	218	27	4	0
17/03/2023 08:10	2.3	229	27	3.7	0
17/03/2023 08:20	1.6	214	35	2.8	0
17/03/2023 08:30	1.2	231	37	2.8	0
17/03/2023 08:40	1.8	243	26	3.2	0
17/03/2023 08:50	2.7	198	10	3.6	0
17/03/2023 09:00	2.6	207	15	4.1	0
17/03/2023 09:10	2.7	206	14	3.8	0
17/03/2023 09:20	2.6	209	15	3.3	0
17/03/2023 09:30	2.6	198	18	3.6	0
17/03/2023 09:40	2.5	206	13	3.5	0
17/03/2023 09:50	2.1	211	17	3	0
17/03/2023 10:00	1.6	204	25	2.5	0
17/03/2023 10:10	1.9	193	28	2.9	0
17/03/2023 10:20	1.4	181	34	2.3	0
17/03/2023 10:30	1.6	131	35	2.7	0
17/03/2023 10:40	1.8	88	28	3.1	0
17/03/2023 10:50	2.3	56	12	2.8	0
17/03/2023 11:00	1.6	39	15	2.2	0
17/03/2023 11:10	1.7	41	21	2.6	0
17/03/2023 11:20	1.6	44	17	2.2	0
17/03/2023 11:30	1.7	41	13	2.3	0
17/03/2023 11:40	1.5	45	13	2.1	0
17/03/2023 11:50	2	42	12	2.4	0
17/03/2023 12:00	1.9	57	16	2.4	0
17/03/2023 12:10	2	61	15	2.6	0
17/03/2023 12:20	2.4	58	13	3.1	0
17/03/2023 12:30	2.4	55	11	3	0
17/03/2023 12:40	2.5	54	11	3.1	0
17/03/2023 12:50	2.9	56	9	3.3	0
17/03/2023 13:00	2.7	55	12	3.6	0
17/03/2023 13:10	3	56	11	4	0
17/03/2023 13:20	2.7	57	12	3.8	0
17/03/2023 13:30	2.8	58	12	3.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/03/2023 13:40	2.6	63	14	3.4	0
17/03/2023 13:50	2.8	57	12	3.6	0
17/03/2023 14:00	2.3	66	16	3.3	0
17/03/2023 14:10	2.4	65	10	3	0
17/03/2023 14:20	2.2	63	17	3.2	0
17/03/2023 14:30	1.6	69	22	2.8	0
17/03/2023 14:40	2.1	152	37	3.9	0
17/03/2023 14:50	2.8	299	21	4.7	0
17/03/2023 15:00	2.5	306	25	4	0
17/03/2023 15:10	2.1	291	30	3.6	0
17/03/2023 15:20	2.9	276	26	4.6	0
17/03/2023 15:30	2.7	291	24	4	0
17/03/2023 15:40	3.1	312	20	5.1	0
17/03/2023 15:50	2.6	305	23	4.4	0
17/03/2023 16:00	2.5	296	21	4.1	0
17/03/2023 16:10	2.3	287	21	3.6	0
17/03/2023 16:20	2.2	291	25	3.8	0
17/03/2023 16:30	2.5	304	19	4.2	0
17/03/2023 16:40	3.2	333	14	4.7	0
17/03/2023 16:50	3	328	13	4.2	0
17/03/2023 17:00	2.4	312	19	3.6	0
17/03/2023 17:10	2.4	283	21	3.9	0
17/03/2023 17:20	2.3	282	21	3.3	0
17/03/2023 17:30	2	292	23	2.9	0
17/03/2023 17:40	2.1	303	18	3.3	0
17/03/2023 17:50	1.4	309	20	2.4	0
17/03/2023 18:00	1.4	304	24	2.4	0
17/03/2023 18:10	2.2	272	21	3.8	0
17/03/2023 18:20	2.8	271	28	4.7	0
17/03/2023 18:30	2.5	269	23	3.8	0
17/03/2023 18:40	3	271	18	4.4	0
17/03/2023 18:50	2.8	265	25	4.3	0
17/03/2023 19:00	3	270	22	4.4	0
17/03/2023 19:10	2.6	279	24	4.2	0
17/03/2023 19:20	2.5	269	19	4.1	0
17/03/2023 19:30	2.5	277	27	3.6	0
17/03/2023 19:40	1.7	284	27	2.9	0
17/03/2023 19:50	2.5	271	18	4	0
17/03/2023 20:00	2.4	275	19	4	0
17/03/2023 20:10	2.2	275	20	3.1	0
17/03/2023 20:20	2.5	278	18	3.8	0
17/03/2023 20:30	2.4	273	17	4	0
17/03/2023 20:40	2.1	269	29	3.1	0
17/03/2023 20:50	2.2	273	19	3.3	0
17/03/2023 21:00	2.4	273	23	3.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/03/2023 21:10	2.6	274	21	3.8	0
17/03/2023 21:20	2.6	274	19	4.2	0
17/03/2023 21:30	2.2	279	23	4	0
17/03/2023 21:40	2.5	274	26	4	0
17/03/2023 21:50	2.6	273	24	4.2	0
17/03/2023 22:00	1.9	286	40	3.4	0
17/03/2023 22:10	1.9	273	36	3.2	0
17/03/2023 22:20	2.1	277	18	3.2	0
17/03/2023 22:30	1.8	279	20	3	0
17/03/2023 22:40	1.9	267	18	3	0
17/03/2023 22:50	2.3	270	17	3.5	0
17/03/2023 23:00	2.1	264	23	3.2	0
17/03/2023 23:10	2	272	21	3	0
17/03/2023 23:20	2	267	22	3.4	0
17/03/2023 23:30	1.7	270	33	2.7	0
17/03/2023 23:40	1.9	278	19	3.3	0
17/03/2023 23:50	2.4	275	26	3.5	0
18/03/2023 00:00	2.2	266	23	3.6	0
18/03/2023 00:10	0.6	174	53	1.2	0
18/03/2023 00:20	1	280	29	2.1	0
18/03/2023 00:30	1.4	256	34	2.5	0
18/03/2023 00:40	1.7	286	25	3	0
18/03/2023 00:50	1.1	235	45	2.4	0
18/03/2023 01:00	1.3	165	65	2.3	0
18/03/2023 01:10	0.5	139	33	1.3	0
18/03/2023 01:20	1	319	45	1.9	0
18/03/2023 01:30	1.4	284	21	1.9	0
18/03/2023 01:40	1.1	275	36	1.7	0
18/03/2023 01:50	0.9	249	36	1.7	0
18/03/2023 02:00	1.1	280	19	1.6	0
18/03/2023 02:10	1.3	285	13	2	0
18/03/2023 02:20	1.4	277	12	2	0
18/03/2023 02:30	1.6	276	16	2.5	0
18/03/2023 02:40	1.5	233	42	2.6	0
18/03/2023 02:50	2.2	217	26	3.9	0
18/03/2023 03:00	2	232	28	3.1	0
18/03/2023 03:10	1.5	242	35	2.8	0
18/03/2023 03:20	1.2	254	57	2.5	0
18/03/2023 03:30	1.3	172	22	2	0
18/03/2023 03:40	0.4	304	30	0.8	0
18/03/2023 03:50	1.2	218	12	2.3	0
18/03/2023 04:00	1.2	231	26	2.1	0
18/03/2023 04:10	0.5	146	35	1.6	0
18/03/2023 04:20	0.5	154	23	0.9	0
18/03/2023 04:30	1.8	208	13	3.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/03/2023 04:40	2.6	207	11	3.5	0
18/03/2023 04:50	2.8	204	11	3.7	0
18/03/2023 05:00	2.7	210	11	3.5	0
18/03/2023 05:10	2.8	204	8	3.5	0
18/03/2023 05:20	3	205	8	3.7	0
18/03/2023 05:30	2.9	199	8	3.6	0
18/03/2023 05:40	1.8	193	15	2.8	0
18/03/2023 05:50	1.7	191	17	2.4	0
18/03/2023 06:00	1.5	260	36	2.4	0
18/03/2023 06:10	1.2	93	50	1.8	0
18/03/2023 06:20	1.6	184	28	2.7	0
18/03/2023 06:30	2.3	196	15	2.9	0
18/03/2023 06:40	2.7	196	13	4	0
18/03/2023 06:50	3	191	14	4.6	0
18/03/2023 07:00	2.6	189	13	4	0
18/03/2023 07:10	2.6	184	16	3.8	0
18/03/2023 07:20	2.3	187	16	3.2	0
18/03/2023 07:30	2.1	188	14	2.8	0
18/03/2023 07:40	2.2	194	13	2.8	0
18/03/2023 07:50	1.9	181	13	2.8	0
18/03/2023 08:00	2.3	193	14	3.3	0
18/03/2023 08:10	2.9	196	14	4.2	0
18/03/2023 08:20	1.9	169	21	3.2	0
18/03/2023 08:30	1.9	165	22	3.1	0
18/03/2023 08:40	1.7	135	26	2.8	0
18/03/2023 08:50	1.8	140	22	2.6	0
18/03/2023 09:00	2	155	24	2.9	0
18/03/2023 09:10	2.3	173	18	3.6	0
18/03/2023 09:20	2.4	168	20	3.5	0
18/03/2023 09:30	1.9	148	24	2.5	0
18/03/2023 09:40	1.8	128	25	2.8	0
18/03/2023 09:50	1.9	120	21	2.9	0
18/03/2023 10:00	1.9	122	22	2.9	0
18/03/2023 10:10	1.7	116	25	3	0
18/03/2023 10:20	1.9	122	24	3.1	0
18/03/2023 10:30	1.7	85	37	2.9	0
18/03/2023 10:40	1.8	79	23	2.6	0
18/03/2023 10:50	1.8	52	17	2.6	0
18/03/2023 11:00	2	48	21	2.8	0
18/03/2023 11:10	1.9	49	18	2.6	0
18/03/2023 11:20	1.9	58	26	2.8	0
18/03/2023 11:30	1.9	59	21	2.6	0
18/03/2023 11:40	1.8	48	25	2.8	0
18/03/2023 11:50	2.1	53	20	3.1	0
18/03/2023 12:00	2	58	22	2.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/03/2023 12:10	1.9	56	18	2.6	0
18/03/2023 12:20	1.9	52	17	3	0
18/03/2023 12:30	2.5	58	15	3.6	0
18/03/2023 12:40	2.3	58	17	3.3	0
18/03/2023 12:50	2.5	63	21	3.4	0
18/03/2023 13:00	2.6	62	18	3.9	0
18/03/2023 13:10	2.3	87	22	3.4	0
18/03/2023 13:20	2.3	76	22	3.6	0
18/03/2023 13:30	2.5	64	17	3.6	0
18/03/2023 13:40	2.4	53	16	3.5	0
18/03/2023 13:50	2.8	51	9	3.4	0
18/03/2023 14:00	2.7	51	16	3.5	0
18/03/2023 14:10	3.2	42	14	4.1	0
18/03/2023 14:20	3.5	43	12	4.4	0
18/03/2023 14:30	3.5	41	12	4.8	0
18/03/2023 14:40	3.2	49	14	4.4	0
18/03/2023 14:50	3.2	53	14	4.7	0
18/03/2023 15:00	3.2	55	15	4.5	0
18/03/2023 15:10	3.5	66	11	4.4	0
18/03/2023 15:20	3.4	57	12	4.8	0
18/03/2023 15:30	3.4	55	13	4.7	0
18/03/2023 15:40	3.7	54	12	5.3	0
18/03/2023 15:50	3.5	63	12	4.4	0
18/03/2023 16:00	3.1	61	13	4.4	0
18/03/2023 16:10	2.9	48	22	3.8	0
18/03/2023 16:20	3.7	331	14	4.8	0
18/03/2023 16:30	3.2	330	15	4.7	0
18/03/2023 16:40	3.3	330	17	4.9	0
18/03/2023 16:50	3.4	324	15	4.7	0
18/03/2023 17:00	2.9	315	22	4.4	0
18/03/2023 17:10	2.8	319	22	4	0
18/03/2023 17:20	3.1	328	16	4.8	0
18/03/2023 17:30	3.3	307	21	4.8	0
18/03/2023 17:40	3.5	308	16	5.6	0
18/03/2023 17:50	3.7	319	20	5.3	0
18/03/2023 18:00	2.9	297	22	4.6	0
18/03/2023 18:10	3.1	285	22	5.3	0
18/03/2023 18:20	2.8	286	23	4.9	0
18/03/2023 18:30	2.5	276	22	3.9	0
18/03/2023 18:40	2.3	299	24	4	0
18/03/2023 18:50	2.5	276	21	3.8	0
18/03/2023 19:00	2.4	277	24	4.4	0
18/03/2023 19:10	2.5	271	23	4.1	0
18/03/2023 19:20	2.5	270	23	3.9	0
18/03/2023 19:30	2.9	274	18	4.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/03/2023 19:40	2.6	279	22	4	0
18/03/2023 19:50	2.8	276	28	4.7	0
18/03/2023 20:00	3.2	272	17	4.5	0
18/03/2023 20:10	2.6	275	22	4.3	0
18/03/2023 20:20	2.6	265	23	4.2	0
18/03/2023 20:30	2.9	268	20	4.8	0
18/03/2023 20:40	2.8	275	22	4.8	0
18/03/2023 20:50	3	270	20	4.8	0
18/03/2023 21:00	3.1	269	19	4.8	0
18/03/2023 21:10	3.1	269	23	4.8	0
18/03/2023 21:20	2.2	269	37	3.8	0
18/03/2023 21:30	2.2	265	36	4.1	0
18/03/2023 21:40	2.5	273	29	4	0
18/03/2023 21:50	2.5	262	26	4.1	0
18/03/2023 22:00	2.3	273	33	4.5	0
18/03/2023 22:10	1.6	257	51	3	0
18/03/2023 22:20	2.8	274	23	4.3	0
18/03/2023 22:30	2.4	271	34	4.4	0
18/03/2023 22:40	2.6	274	21	4	0
18/03/2023 22:50	2.7	273	21	4.1	0
18/03/2023 23:00	2.5	275	18	3.5	0
18/03/2023 23:10	2.2	272	21	3.6	0
18/03/2023 23:20	2.2	275	19	3.7	0
18/03/2023 23:30	1.6	243	58	3.1	0
18/03/2023 23:40	1.6	261	31	2.8	0
18/03/2023 23:50	1.5	237	53	3.3	0
19/03/2023 00:00	1.5	240	42	2.6	0
19/03/2023 00:10	1.4	208	44	2.4	0
19/03/2023 00:20	1.3	224	54	2.3	0
19/03/2023 00:30	1.6	219	39	2.5	0
19/03/2023 00:40	1.3	216	32	2.3	0
19/03/2023 00:50	1.4	234	39	2.3	0
19/03/2023 01:00	1.5	237	41	2.3	0
19/03/2023 01:10	1.1	230	29	1.7	0
19/03/2023 01:20	1	249	41	2.2	0
19/03/2023 01:30	1.3	226	43	3.2	0
19/03/2023 01:40	1.1	230	48	2.5	0
19/03/2023 01:50	1.2	195	52	2.4	0
19/03/2023 02:00	1.3	211	49	2.1	0
19/03/2023 02:10	1	228	40	2.1	0
19/03/2023 02:20	1.4	224	36	2	0
19/03/2023 02:30	1.4	195	22	2.3	0
19/03/2023 02:40	1.4	202	29	2.2	0
19/03/2023 02:50	1.4	197	18	2.2	0
19/03/2023 03:00	1.4	190	14	2.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/03/2023 03:10	1.4	196	13	1.9	0
19/03/2023 03:20	1.3	194	15	2.1	0
19/03/2023 03:30	1.5	200	15	2.1	0
19/03/2023 03:40	1.5	201	10	2.2	0
19/03/2023 03:50	1.6	207	11	2.2	0
19/03/2023 04:00	1.4	211	18	2	0
19/03/2023 04:10	1.5	208	16	2.1	0
19/03/2023 04:20	1.8	199	12	2.4	0
19/03/2023 04:30	1.4	210	19	2	0
19/03/2023 04:40	1.7	206	12	2.2	0
19/03/2023 04:50	1.8	201	11	2.3	0
19/03/2023 05:00	1.7	203	11	2.1	0
19/03/2023 05:10	1.4	212	21	2.1	0
19/03/2023 05:20	1.3	219	17	1.9	0
19/03/2023 05:30	1.6	210	19	2.2	0
19/03/2023 05:40	2.1	212	13	2.9	0
19/03/2023 05:50	1.9	221	13	2.5	0
19/03/2023 06:00	2	246	15	2.8	0
19/03/2023 06:10	1.6	248	16	2.4	0
19/03/2023 06:20	1.5	236	17	2.2	0
19/03/2023 06:30	1.8	239	18	2.6	0
19/03/2023 06:40	1.6	228	17	2.3	0
19/03/2023 06:50	1.9	218	15	2.8	0
19/03/2023 07:00	1.2	224	27	2.2	0
19/03/2023 07:10	1.5	222	18	2.4	0
19/03/2023 07:20	1.4	216	23	2.4	0
19/03/2023 07:30	1.6	227	23	2.4	0
19/03/2023 07:40	1.2	242	32	1.7	0
19/03/2023 07:50	0.7	217	35	1.5	0
19/03/2023 08:00	1.3	189	25	2.3	0
19/03/2023 08:10	2	198	17	2.9	0
19/03/2023 08:20	1.4	235	41	2.6	0
19/03/2023 08:30	1.9	267	20	2.8	0
19/03/2023 08:40	1.9	280	20	2.8	0
19/03/2023 08:50	2.3	291	18	3.4	0
19/03/2023 09:00	2	273	22	3.2	0
19/03/2023 09:10	2	288	21	2.8	0
19/03/2023 09:20	1.9	292	28	3	0
19/03/2023 09:30	1.7	284	28	2.5	0
19/03/2023 09:40	2	296	30	3	0
19/03/2023 09:50	2.1	282	23	3.2	0
19/03/2023 10:00	2	271	26	3.6	0
19/03/2023 10:10	2.2	297	25	3.2	0
19/03/2023 10:20	2.6	294	21	3.7	0
19/03/2023 10:30	2.4	291	23	3.4	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/03/2023 10:40	1.9	274	32	2.9	0
19/03/2023 10:50	1.8	300	26	2.9	0
19/03/2023 11:00	1.7	305	28	2.6	0
19/03/2023 11:10	1.9	249	34	3.2	0
19/03/2023 11:20	1.9	268	19	2.9	0
19/03/2023 11:30	1.9	261	19	2.7	0
19/03/2023 11:40	2.2	303	22	3.5	0
19/03/2023 11:50	2.4	277	24	3.7	0
19/03/2023 12:00	2.7	265	14	3.7	0
19/03/2023 12:10	2.6	285	24	4	0
19/03/2023 12:20	2.5	287	22	3.7	0
19/03/2023 12:30	2.4	275	20	3.5	0
19/03/2023 12:40	2.5	266	21	3.8	0
19/03/2023 12:50	2.7	270	21	4	0
19/03/2023 13:00	2.8	262	24	4.2	0
19/03/2023 13:10	2.6	269	26	3.8	0
19/03/2023 13:20	2.9	279	19	4.7	0
19/03/2023 13:30	3	271	22	4.6	0
19/03/2023 13:40	3	282	21	4.4	0
19/03/2023 13:50	2.9	286	23	4.4	0
19/03/2023 14:00	3.2	278	22	4.7	0
19/03/2023 14:10	2.8	271	27	4.6	0
19/03/2023 14:20	3	268	21	4.7	0
19/03/2023 14:30	2.8	278	23	4.8	0
19/03/2023 14:40	3	280	21	5.1	0
19/03/2023 14:50	3	277	22	4.6	0
19/03/2023 15:00	3.3	264	23	4.7	0
19/03/2023 15:10	3.1	255	26	5.1	0
19/03/2023 15:20	3.6	262	21	5.3	0
19/03/2023 15:30	4	264	20	5.6	0
19/03/2023 15:40	3.6	276	22	5.3	0
19/03/2023 15:50	2.9	267	23	5.1	0
19/03/2023 16:00	3.7	295	21	5.5	0
19/03/2023 16:10	3.3	290	23	5.2	0
19/03/2023 16:20	3.3	274	26	4.8	0
19/03/2023 16:30	3.7	268	22	5.9	0
19/03/2023 16:40	3.3	273	20	5	0
19/03/2023 16:50	4.1	273	18	6.1	0
19/03/2023 17:00	3.4	270	25	5.2	0
19/03/2023 17:10	4.1	273	20	6.4	0
19/03/2023 17:20	3.7	273	27	6.4	0
19/03/2023 17:30	3.3	263	41	5.8	0
19/03/2023 17:40	2.9	264	34	5.6	0
19/03/2023 17:50	3.7	273	30	6.2	0
19/03/2023 18:00	3.3	269	27	5.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/03/2023 18:10	3.8	268	23	6	0
19/03/2023 18:20	4	281	18	5.8	0
19/03/2023 18:30	3.6	273	25	6	0
19/03/2023 18:40	3.6	277	21	6	0
19/03/2023 18:50	3.7	274	24	6	0
19/03/2023 19:00	3.5	271	25	5.2	0
19/03/2023 19:10	3.6	272	20	5.3	0
19/03/2023 19:20	3.7	276	18	5.9	0
19/03/2023 19:30	3.7	274	21	5.5	0
19/03/2023 19:40	3.5	268	24	5.5	0
19/03/2023 19:50	3.1	269	28	5.4	0
19/03/2023 20:00	2.9	271	31	5.1	0
19/03/2023 20:10	2.2	247	56	4.3	0
19/03/2023 20:20	2	263	63	4.1	0
19/03/2023 20:30	1.8	262	46	3.6	0
19/03/2023 20:40	2.5	267	33	4.4	0
19/03/2023 20:50	2.6	272	31	4.8	0
19/03/2023 21:00	2.3	275	38	4.4	0
19/03/2023 21:10	2.5	276	25	4.4	0
19/03/2023 21:20	2	270	42	4	0
19/03/2023 21:30	2.3	276	28	3.5	0
19/03/2023 21:40	2.2	274	48	3.6	0
19/03/2023 21:50	2.1	274	37	3.9	0
19/03/2023 22:00	2.3	273	31	3.6	0
19/03/2023 22:10	2.4	219	49	3.9	0
19/03/2023 22:20	2.5	214	36	4.2	0
19/03/2023 22:30	1.8	220	40	2.9	0
19/03/2023 22:40	1.3	169	35	2	0
19/03/2023 22:50	1.9	225	60	3.2	0
19/03/2023 23:00	1	208	31	1.9	0
19/03/2023 23:10	0.9	250	28	1.4	0
19/03/2023 23:20	1	312	19	1.4	0
19/03/2023 23:30	0.6	175	17	1	0
19/03/2023 23:40	1.4	285	12	2	0
19/03/2023 23:50	0.6	279	16	1.2	0
20/03/2023 00:00	0.8	319	25	1.3	0
20/03/2023 00:10	0.4	305	7	0.9	0
20/03/2023 00:20	0.5	153	5	1.1	0
20/03/2023 00:30	1.2	100	10	2	0
20/03/2023 00:40	1.2	87	18	1.8	0
20/03/2023 00:50	0.6	35	17	1.5	0
20/03/2023 01:00	4.3	59	19	9.1	0
20/03/2023 01:10	4.7	58	14	6.9	0
20/03/2023 01:20	4.6	59	17	6.8	0
20/03/2023 01:30	4.1	61	15	5.6	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/03/2023 01:40	4.6	58	17	6.8	0
20/03/2023 01:50	5	57	10	7.1	0
20/03/2023 02:00	3.9	48	12	5.2	0
20/03/2023 02:10	3.5	39	13	5.1	0
20/03/2023 02:20	3.1	36	14	4.6	0
20/03/2023 02:30	3.2	41	14	4.8	0
20/03/2023 02:40	3	41	12	4.2	0
20/03/2023 02:50	2.7	43	14	4	0
20/03/2023 03:00	2.2	34	15	3.5	0
20/03/2023 03:10	2	43	16	3.4	0
20/03/2023 03:20	2.2	52	12	2.9	0
20/03/2023 03:30	1.8	43	14	2.8	0
20/03/2023 03:40	1.5	37	12	2.2	0
20/03/2023 03:50	0.8	65	16	1.3	0
20/03/2023 04:00	1.2	73	17	2	0
20/03/2023 04:10	1.2	84	13	1.6	0
20/03/2023 04:20	1.5	84	12	2	0
20/03/2023 04:30	1.4	84	12	2	0
20/03/2023 04:40	1.5	107	16	1.9	0
20/03/2023 04:50	1.4	105	10	2	0
20/03/2023 05:00	0.9	86	10	1.4	0
20/03/2023 05:10	1	96	23	1.7	0
20/03/2023 05:20	0.1	61	2	0.8	0
20/03/2023 05:30					0
20/03/2023 05:40	0.8	135	16	1.4	0
20/03/2023 05:50	1.6	151	19	2.3	0
20/03/2023 06:00	1.6	159	28	2.5	0
20/03/2023 06:10	2.4	162	19	3.5	0
20/03/2023 06:20	2.4	177	19	3.4	0
20/03/2023 06:30	2	175	17	3.4	0
20/03/2023 06:40	2.2	161	16	3	0
20/03/2023 06:50	1.7	165	16	2.5	0
20/03/2023 07:00	1.3	143	22	2	0
20/03/2023 07:10	1.6	112	21	2.7	0
20/03/2023 07:20	1.6	139	24	2.4	0
20/03/2023 07:30	1.6	115	26	3	0
20/03/2023 07:40	1.9	106	16	2.8	0
20/03/2023 07:50	1.7	113	25	2.8	0
20/03/2023 08:00	2	136	27	2.8	0
20/03/2023 08:10	2.3	145	21	3.6	0
20/03/2023 08:20	2.2	120	23	3.5	0
20/03/2023 08:30	1.9	120	35	3.1	0
20/03/2023 08:40	2.3	117	18	3.2	0
20/03/2023 08:50	2.2	100	21	3	0
20/03/2023 09:00	2.5	71	17	3.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/03/2023 09:10	2.1	86	25	3.1	0
20/03/2023 09:20	1.7	113	29	2.6	0
20/03/2023 09:30	2.2	103	14	3.1	0
20/03/2023 09:40	2.3	74	29	3.1	0
20/03/2023 09:50	2.4	56	11	3	0
20/03/2023 10:00	2.3	56	17	2.9	0
20/03/2023 10:10	2.3	60	14	2.8	0
20/03/2023 10:20	2.4	43	16	3.1	0
20/03/2023 10:30	2.6	45	15	3.2	0
20/03/2023 10:40	2.6	46	16	3.6	0
20/03/2023 10:50	2.8	61	13	4	0
20/03/2023 11:00	3.1	50	15	4	0
20/03/2023 11:10	3.2	47	13	4.2	0
20/03/2023 11:20	3.2	47	13	4.5	0
20/03/2023 11:30	3.8	41	12	4.9	0
20/03/2023 11:40	4.2	43	10	5.6	0
20/03/2023 11:50	3.7	42	15	5	0
20/03/2023 12:00	3.8	48	14	5.2	0
20/03/2023 12:10	3.5	54	14	4.8	0
20/03/2023 12:20	3	56	14	3.8	0
20/03/2023 12:30	3.4	60	14	4.6	0
20/03/2023 12:40	3.8	59	9	4.9	0
20/03/2023 12:50	2.8	57	16	4	0
20/03/2023 13:00	2.6	58	16	3.6	0
20/03/2023 13:10	2.6	57	15	3.6	0
20/03/2023 13:20	2.3	56	14	3.3	0
20/03/2023 13:30	2.6	55	16	3.5	0
20/03/2023 13:40	3.1	57	16	4.1	0
20/03/2023 13:50	3.4	54	10	4.4	0
20/03/2023 14:00	3.7	51	13	5.1	0
20/03/2023 14:10	3.4	49	15	4.6	0
20/03/2023 14:20	3.5	44	13	4.6	0
20/03/2023 14:30	3.4	49	13	4.6	0
20/03/2023 14:40	3.5	55	12	4.8	0
20/03/2023 14:50	3.2	59	13	4.7	0
20/03/2023 15:00	3.6	63	12	4.8	0
20/03/2023 15:10	4	63	9	5.1	0
20/03/2023 15:20	4	54	13	5.4	0
20/03/2023 15:30	3.9	58	13	5.2	0
20/03/2023 15:40	3.7	55	13	5.2	0
20/03/2023 15:50	3.6	57	11	4.9	0
20/03/2023 16:00	3.6	59	14	4.7	0
20/03/2023 16:10	3.6	54	11	4.8	0
20/03/2023 16:20	3.8	54	12	5	0
20/03/2023 16:30	3.9	53	11	5.3	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/03/2023 16:40	3.5	51	12	4.6	0
20/03/2023 16:50	3.4	55	10	4.7	0
20/03/2023 17:00	3	28	25	4	0
20/03/2023 17:10	2.9	21	22	4.6	0
20/03/2023 17:20	3	347	16	4.5	0
20/03/2023 17:30	3.3	174	12	4.6	0
20/03/2023 17:40	3.1	332	14	4.4	0
20/03/2023 17:50	3.2	336	12	4.4	0
20/03/2023 18:00	3.1	336	13	4.4	0
20/03/2023 18:10	3.2	335	11	4.4	0
20/03/2023 18:20	3.1	335	13	4	0
20/03/2023 18:30	2.6	323	16	3.6	0
20/03/2023 18:40	2.2	333	11	3.1	0
20/03/2023 18:50	2.2	313	19	3.6	0
20/03/2023 19:00	2.3	312	20	3.2	0
20/03/2023 19:10	2.2	296	24	3.2	0
20/03/2023 19:20	2.2	296	25	3.5	0
20/03/2023 19:30	2.2	295	21	3.8	0
20/03/2023 19:40	2	300	25	3.2	0
20/03/2023 19:50	2.1	291	20	2.8	0
20/03/2023 20:00	2.3	286	21	3.3	0
20/03/2023 20:10	2	295	22	3	0
20/03/2023 20:20	1.8	296	21	2.9	0
20/03/2023 20:30	1.6	282	19	2.9	0
20/03/2023 20:40	2	283	21	3.1	0
20/03/2023 20:50	1.5	298	23	2.6	0
20/03/2023 21:00	1.9	275	18	2.7	0
20/03/2023 21:10	2	248	30	3.8	0
20/03/2023 21:20	4.8	200	15	7.5	0
20/03/2023 21:30	3.3	197	19	4.9	0
20/03/2023 21:40	3.8	204	10	5.2	0
20/03/2023 21:50	2.7	206	13	3.6	0
20/03/2023 22:00	2.1	205	13	3.6	0
20/03/2023 22:10	1.4	210	19	2	0
20/03/2023 22:20	1.3	233	24	1.9	0
20/03/2023 22:30	1.1	332	14	1.6	0
20/03/2023 22:40	0.8	290	21	1.2	0
20/03/2023 22:50	1.3	286	12	1.8	0
20/03/2023 23:00	1.6	287	10	2.2	0
20/03/2023 23:10	1.7	290	12	2.3	0
20/03/2023 23:20	1.8	275	8	2.3	0
20/03/2023 23:30	1.7	269	8	2.1	0
20/03/2023 23:40	1.4	268	9	1.9	0
20/03/2023 23:50	1.5	284	12	2	0
21/03/2023 00:00	1.1	274	11	1.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/03/2023 00:10	1.3	271	13	1.9	0
21/03/2023 00:20	1.2	282	19	1.6	0
21/03/2023 00:30	1	259	20	1.5	0
21/03/2023 00:40	1.1	260	17	1.6	0
21/03/2023 00:50	1.2	261	10	1.6	0
21/03/2023 01:00	1.2	268	12	1.6	0
21/03/2023 01:10	1.2	257	11	1.7	0
21/03/2023 01:20	1	241	30	1.5	0
21/03/2023 01:30	1.3	256	13	1.8	0
21/03/2023 01:40	1.2	281	19	2	0
21/03/2023 01:50	1.1	296	13	1.5	0
21/03/2023 02:00	0.7	302	14	1	0
21/03/2023 02:10	0.8	282	19	1.3	0
21/03/2023 02:20	0.8	291	16	1.1	0
21/03/2023 02:30	0.9	318	13	1.3	0
21/03/2023 02:40	1	301	12	1.5	0
21/03/2023 02:50	0.5	305	13	0.9	0
21/03/2023 03:00	0.9	278	15	1.3	0
21/03/2023 03:10	1.4	263	18	2.1	0
21/03/2023 03:20	0.9	182	29	1.4	0
21/03/2023 03:30	0.8	43	13	1.5	0
21/03/2023 03:40	0.2	31	4	0.8	0
21/03/2023 03:50					0
21/03/2023 04:00	0.4	120	16	1	0
21/03/2023 04:10	0.4	117	15	1.4	0
21/03/2023 04:20	1.3	139	16	2.2	0
21/03/2023 04:30	1	160	33	1.8	0
21/03/2023 04:40	1.2	206	15	1.8	0
21/03/2023 04:50	1	155	48	1.6	0
21/03/2023 05:00	2.4	159	22	3.7	0
21/03/2023 05:10	1.3	196	11	2	0
21/03/2023 05:20	1	212	9	1.6	0
21/03/2023 05:30	0.8	264	21	1.5	0
21/03/2023 05:40	1.6	231	13	2	0
21/03/2023 05:50	1.7	204	8	2.2	0
21/03/2023 06:00	1.5	212	20	2.2	0
21/03/2023 06:10	1.1	229	52	2	0
21/03/2023 06:20	1.5	200	29	2.4	0
21/03/2023 06:30	1.4	272	28	2.4	0
21/03/2023 06:40	1.3	217	30	2	0
21/03/2023 06:50	1.3	203	23	2.1	0
21/03/2023 07:00	1.1	234	34	2.2	0
21/03/2023 07:10	1	108	48	1.6	0
21/03/2023 07:20	1.1	72	22	1.7	0
21/03/2023 07:30	1	92	35	1.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/03/2023 07:40	1.3	80	17	1.8	0
21/03/2023 07:50	0.9	73	12	1.4	0
21/03/2023 08:00	1.1	67	16	1.6	0
21/03/2023 08:10	1.1	66	26	1.8	0
21/03/2023 08:20	1.7	45	14	2.2	0
21/03/2023 08:30	1.6	64	11	2.1	0
21/03/2023 08:40	2	54	8	2.4	0
21/03/2023 08:50	2	56	16	2.8	0
21/03/2023 09:00	1.8	63	22	2.8	0
21/03/2023 09:10	2	62	17	3.1	0
21/03/2023 09:20	2.5	68	15	3.2	0
21/03/2023 09:30	3.1	59	12	4	0
21/03/2023 09:40	3	61	13	4	0
21/03/2023 09:50	3	59	9	3.9	0
21/03/2023 10:00	2.3	73	20	3.2	0
21/03/2023 10:10	2.2	71	19	3.1	0
21/03/2023 10:20	2.6	64	18	3.5	0
21/03/2023 10:30	3	61	14	4	0
21/03/2023 10:40	3	57	12	3.8	0
21/03/2023 10:50	3.4	56	13	4.6	0
21/03/2023 11:00	3.4	61	11	4.4	0
21/03/2023 11:10	3.3	62	13	4.1	0
21/03/2023 11:20	3.4	64	9	4.3	0
21/03/2023 11:30	3.3	60	11	4	0
21/03/2023 11:40	3.6	59	12	4.8	0
21/03/2023 11:50	3.8	60	9	4.8	0
21/03/2023 12:00	4.3	61	10	5.2	0
21/03/2023 12:10	4.2	61	11	5.3	0
21/03/2023 12:20	4.1	59	12	5	0
21/03/2023 12:30	4.2	57	13	6.4	0
21/03/2023 12:40	4.1	48	12	5.8	0
21/03/2023 12:50	4.2	54	14	5.8	0
21/03/2023 13:00	4.2	57	13	5.6	0
21/03/2023 13:10	4	53	13	5.5	0
21/03/2023 13:20	3.9	47	13	5.2	0
21/03/2023 13:30	4.2	58	12	5.6	0
21/03/2023 13:40	3.5	58	12	4.8	0
21/03/2023 13:50	3.5	60	14	4.6	0
21/03/2023 14:00	3.9	52	12	5.5	0
21/03/2023 14:10	3.9	46	13	5.3	0
21/03/2023 14:20	3.1	29	23	4.5	0
21/03/2023 14:30	2.8	170	24	4.6	0
21/03/2023 14:40	3.1	331	23	4.8	0
21/03/2023 14:50	3.7	176	15	5.6	0
21/03/2023 15:00	3.5	175	15	4.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/03/2023 15:10	3.8	347	18	5.5	0
21/03/2023 15:20	4.1	347	11	6.3	0
21/03/2023 15:30	4	341	16	5.6	0
21/03/2023 15:40	3.1	311	29	4.8	0
21/03/2023 15:50	3.5	321	17	5.6	0
21/03/2023 16:00	3.6	324	18	5.3	0
21/03/2023 16:10	3.7	333	15	5.4	0
21/03/2023 16:20	3.9	329	14	5.4	0
21/03/2023 16:30	3.7	324	18	5.6	0
21/03/2023 16:40	3	318	19	4.6	0
21/03/2023 16:50	3.6	332	15	5.3	0
21/03/2023 17:00	3.9	333	16	5.5	0
21/03/2023 17:10	3.9	327	14	5.3	0
21/03/2023 17:20	3.6	304	16	5.5	0
21/03/2023 17:30	3.5	313	19	5.8	0
21/03/2023 17:40	4	323	13	6.1	0
21/03/2023 17:50	3.8	324	15	5.3	0
21/03/2023 18:00	3.4	319	18	5.3	0
21/03/2023 18:10	3.2	304	23	5.6	0
21/03/2023 18:20	3.3	294	23	5.2	0
21/03/2023 18:30	3.3	302	20	4.9	0
21/03/2023 18:40	3	303	22	4.7	0
21/03/2023 18:50	2.6	300	23	4.1	0
21/03/2023 19:00	3	297	30	4.9	0
21/03/2023 19:10	3	287	24	4.8	0
21/03/2023 19:20	3.1	276	19	4.8	0.1
21/03/2023 19:30	2.1	255	50	3.7	0.1
21/03/2023 19:40	2.7	276	22	4.9	0.3
21/03/2023 19:50	3	269	31	4.7	0.2
21/03/2023 20:00	2.6	278	21	4.1	0
21/03/2023 20:10	2.4	269	31	4.1	0
21/03/2023 20:20	1.9	239	36	2.9	0
21/03/2023 20:30	2.1	271	26	3.1	0
21/03/2023 20:40	2.1	281	22	3.3	0
21/03/2023 20:50	2	279	21	3.4	0
21/03/2023 21:00	1.7	287	26	2.7	0
21/03/2023 21:10	2	273	21	2.8	0
21/03/2023 21:20	1.8	277	22	2.8	0
21/03/2023 21:30	1.8	294	24	2.7	0
21/03/2023 21:40	1.7	79	54	2.9	0
21/03/2023 21:50	4.1	126	32	8.3	0
21/03/2023 22:00	4.5	131	26	7	0
21/03/2023 22:10	4.4	169	24	6.2	0
21/03/2023 22:20	3.3	170	26	5.6	0
21/03/2023 22:30	2.6	205	30	4.3	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/03/2023 22:40	2.5	212	15	4	0
21/03/2023 22:50	1.8	224	31	2.6	0
21/03/2023 23:00	1.3	282	43	2.3	0
21/03/2023 23:10	1.6	261	31	2	0
21/03/2023 23:20	1.8	286	20	2.7	0
21/03/2023 23:30	2.4	272	15	3.5	0
21/03/2023 23:40	1.9	278	16	2.6	0
21/03/2023 23:50	2	242	23	3.2	0
22/03/2023 00:00	1.7	272	20	2.7	0
22/03/2023 00:10	1.7	242	24	2.5	0
22/03/2023 00:20	2	257	20	3.2	0
22/03/2023 00:30	1.6	299	18	2.3	0
22/03/2023 00:40	1.3	304	21	1.9	0
22/03/2023 00:50	0.9	265	27	1.9	0
22/03/2023 01:00	0.5	95	23	0.9	0
22/03/2023 01:10	1.4	175	14	2.8	0
22/03/2023 01:20	2.5	146	27	3.6	0
22/03/2023 01:30	1.6	193	18	2.3	0
22/03/2023 01:40	1.9	221	28	3.3	0.3
22/03/2023 01:50	2.5	239	19	3.4	0.1
22/03/2023 02:00	1.8	234	33	2.8	0
22/03/2023 02:10	0.8	110	44	2	0
22/03/2023 02:20	1.7	188	30	2.4	0
22/03/2023 02:30	1	201	30	1.7	0
22/03/2023 02:40	1.5	217	21	2.3	0
22/03/2023 02:50	2.6	195	20	3.7	0
22/03/2023 03:00	2.2	195	19	3	0
22/03/2023 03:10	2	201	24	3.2	0
22/03/2023 03:20	1.8	243	38	3.4	0
22/03/2023 03:30	1.1	254	36	1.8	0
22/03/2023 03:40	1.5	230	55	2.8	0
22/03/2023 03:50	1.5	251	78	4	0
22/03/2023 04:00	2.7	195	20	4	0
22/03/2023 04:10	3.3	190	13	4.4	0
22/03/2023 04:20	3.6	192	14	5.2	0
22/03/2023 04:30	2.5	214	37	4.1	0
22/03/2023 04:40	2.5	207	34	4	0
22/03/2023 04:50	4.5	191	10	6	0
22/03/2023 05:00	5.3	188	9	6.6	0
22/03/2023 05:10	5	188	11	6.6	0
22/03/2023 05:20	4.1	189	14	5.7	0
22/03/2023 05:30	2.9	191	16	4.5	0
22/03/2023 05:40	1.4	181	48	2.7	0
22/03/2023 05:50	1.8	172	26	3.2	0
22/03/2023 06:00	2.6	189	24	4.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/03/2023 06:10	3	197	13	4.6	0
22/03/2023 06:20	2.1	220	25	3.2	0
22/03/2023 06:30	1.7	239	35	3	0
22/03/2023 06:40	1.6	178	32	2.9	0
22/03/2023 06:50	1.3	215	64	2.3	0
22/03/2023 07:00	2.2	183	37	4.1	0
22/03/2023 07:10	2.4	179	22	4.2	0
22/03/2023 07:20	2.8	188	20	4	0
22/03/2023 07:30	2.7	205	21	4.1	0
22/03/2023 07:40	1.6	120	26	2.4	0
22/03/2023 07:50	1.1	63	41	1.7	0
22/03/2023 08:00	1.6	124	28	2.6	0
22/03/2023 08:10	1.6	85	29	2.7	0
22/03/2023 08:20	1.7	56	21	2.6	0
22/03/2023 08:30	1	29	21	1.7	0
22/03/2023 08:40	0.6	146	38	1.2	0
22/03/2023 08:50	0.9	101	59	1.5	0
22/03/2023 09:00	1	178	35	1.7	0
22/03/2023 09:10	1.4	217	25	2.3	0
22/03/2023 09:20	1	75	42	1.9	0
22/03/2023 09:30	2	58	16	2.9	0
22/03/2023 09:40	1.7	72	20	2.7	0
22/03/2023 09:50	2.6	49	12	3.2	0
22/03/2023 10:00	2.5	66	10	3.2	0
22/03/2023 10:10	2.3	53	15	3.2	0
22/03/2023 10:20	2.6	49	10	3.2	0
22/03/2023 10:30	2.3	53	11	2.9	0
22/03/2023 10:40	2.4	57	12	2.8	0
22/03/2023 10:50	3.1	57	9	3.7	0
22/03/2023 11:00	2.9	63	9	3.4	0
22/03/2023 11:10	2.6	55	10	3.2	0
22/03/2023 11:20	2.2	56	10	2.7	0
22/03/2023 11:30	2	72	15	2.5	0
22/03/2023 11:40	2	52	15	3.1	0
22/03/2023 11:50	2	328	35	4	0
22/03/2023 12:00	2.3	301	19	3.3	0
22/03/2023 12:10	2.1	286	34	3.8	0
22/03/2023 12:20	2.6	277	30	4.4	0
22/03/2023 12:30	2.5	268	31	4	0
22/03/2023 12:40	2.6	270	28	4	0
22/03/2023 12:50	2.9	284	27	4.8	0
22/03/2023 13:00	3	270	27	4.8	0
22/03/2023 13:10	3	274	23	4.6	0
22/03/2023 13:20	2.7	290	30	4.6	0
22/03/2023 13:30	2.7	297	25	4.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/03/2023 13:40	3	280	26	5.1	0
22/03/2023 13:50	2.7	280	27	4.4	0
22/03/2023 14:00	2.8	288	26	4.8	0
22/03/2023 14:10	2.9	290	32	4.4	0
22/03/2023 14:20	3	282	26	4.6	0
22/03/2023 14:30	3.4	281	24	5.2	0
22/03/2023 14:40	3.2	276	26	5.2	0
22/03/2023 14:50	3.4	283	26	5	0
22/03/2023 15:00	3.1	281	26	5	0
22/03/2023 15:10	3.1	275	22	4.8	0
22/03/2023 15:20	3.3	274	27	5.2	0
22/03/2023 15:30	3.3	264	21	4.8	0
22/03/2023 15:40	3.3	273	25	4.8	0
22/03/2023 15:50	3	273	25	4.6	0
22/03/2023 16:00	3.2	273	24	4.8	0
22/03/2023 16:10	3.2	267	23	4.6	0
22/03/2023 16:20	3.3	263	19	4.8	0
22/03/2023 16:30	3.3	273	22	5.3	0
22/03/2023 16:40	3.5	269	21	5.2	0
22/03/2023 16:50	3	272	22	4.4	0
22/03/2023 17:00	3.1	272	20	4.6	0
22/03/2023 17:10	2.8	276	20	4.8	0
22/03/2023 17:20	3	286	20	4.8	0
22/03/2023 17:30	2.5	277	26	4.1	0
22/03/2023 17:40	2.8	262	18	4	0
22/03/2023 17:50	2.7	269	20	4	0
22/03/2023 18:00	2.9	268	17	4.2	0
22/03/2023 18:10	2.5	273	19	4	0
22/03/2023 18:20	2.6	271	23	4.4	0
22/03/2023 18:30	2.7	275	18	4	0
22/03/2023 18:40	2.6	270	21	4.3	0
22/03/2023 18:50	2	272	29	3.6	0
22/03/2023 19:00	2.4	273	27	3.7	0
22/03/2023 19:10	2	282	37	3.9	0
22/03/2023 19:20	2.1	271	31	3.6	0
22/03/2023 19:30	2	259	39	3.4	0
22/03/2023 19:40	2	251	50	4.3	0
22/03/2023 19:50	2.3	265	37	4.1	0
22/03/2023 20:00	2.5	266	30	4.2	0
22/03/2023 20:10	2.8	269	22	4.2	0
22/03/2023 20:20	2.7	268	16	4.3	0
22/03/2023 20:30	2.5	267	23	4	0
22/03/2023 20:40	2.5	275	19	3.9	0
22/03/2023 20:50	1.3	240	44	2.6	0
22/03/2023 21:00	1.6	254	62	3.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/03/2023 21:10	1.6	259	40	3	0
22/03/2023 21:20	2.3	279	25	3.6	0
22/03/2023 21:30	1.7	285	28	2.9	0
22/03/2023 21:40	1.7	283	27	3	0
22/03/2023 21:50	1	215	69	2	0
22/03/2023 22:00	1.4	245	54	2.7	0
22/03/2023 22:10	1.7	268	39	3.5	0
22/03/2023 22:20	0.9	268	47	1.7	0
22/03/2023 22:30	1	242	50	1.8	0
22/03/2023 22:40	1.3	282	31	2.5	0
22/03/2023 22:50	1.1	268	49	2.3	0
22/03/2023 23:00	1.6	266	30	3.2	0
22/03/2023 23:10	1.5	273	41	2.5	0
22/03/2023 23:20	1.7	278	24	2.8	0
22/03/2023 23:30	0.9	143	67	2	0
22/03/2023 23:40	0.9	292	56	2	0
22/03/2023 23:50	0.7	275	66	1.4	0
23/03/2023 00:00	1.6	235	38	2.5	0
23/03/2023 00:10	2.1	228	31	3.6	0
23/03/2023 00:20	2.7	203	20	4.1	0
23/03/2023 00:30	3.1	197	14	4.4	0
23/03/2023 00:40	3.4	195	15	5	0
23/03/2023 00:50	4	189	12	5.7	0
23/03/2023 01:00	4.4	181	13	6.4	0
23/03/2023 01:10	4.1	186	11	6.2	0
23/03/2023 01:20	4.5	188	13	6.3	0
23/03/2023 01:30	4.6	191	11	6.3	0
23/03/2023 01:40	4.8	191	12	6.3	0
23/03/2023 01:50	4.6	191	11	6.2	0
23/03/2023 02:00	4.5	188	11	6	0
23/03/2023 02:10	4.8	190	12	6.8	0
23/03/2023 02:20	4.3	185	14	5.8	0
23/03/2023 02:30	4.6	188	14	6.3	0
23/03/2023 02:40	4.3	185	11	5.7	0
23/03/2023 02:50	4.1	184	12	5.6	0
23/03/2023 03:00	4.2	186	12	5.5	0
23/03/2023 03:10	3.9	186	12	5.2	0
23/03/2023 03:20	3.9	187	11	5.2	0
23/03/2023 03:30	4.1	190	12	6	0
23/03/2023 03:40	4.5	191	11	5.8	0
23/03/2023 03:50	4.3	190	12	5.8	0
23/03/2023 04:00	4.6	190	11	6.4	0
23/03/2023 04:10	4.1	191	11	5.6	0
23/03/2023 04:20	4.2	192	12	6	0
23/03/2023 04:30	4	192	15	6.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/03/2023 04:40	4.3	191	13	6	0
23/03/2023 04:50	4.6	190	13	6.6	0
23/03/2023 05:00	4.5	190	11	6.1	0
23/03/2023 05:10	4.3	191	11	6.1	0
23/03/2023 05:20	4.5	194	10	5.7	0
23/03/2023 05:30	4.3	191	11	6	0
23/03/2023 05:40	4.3	192	10	6	0
23/03/2023 05:50	4.5	192	12	6.5	0
23/03/2023 06:00	4.5	195	11	6	0
23/03/2023 06:10	4	195	11	5.7	0
23/03/2023 06:20	3.8	195	12	5.4	0
23/03/2023 06:30	3.4	193	15	4.4	0
23/03/2023 06:40	3.2	196	14	4.8	0
23/03/2023 06:50	2.4	190	20	3.8	0
23/03/2023 07:00	2	190	23	3	0
23/03/2023 07:10	1.9	180	28	3.6	0
23/03/2023 07:20	1.6	177	33	2.9	0
23/03/2023 07:30	1.9	140	36	3.6	0
23/03/2023 07:40	2	126	32	3.2	0
23/03/2023 07:50	2.4	125	23	4.5	0
23/03/2023 08:00	3.3	122	18	4.8	0
23/03/2023 08:10	2.5	120	20	4	0
23/03/2023 08:20	2.4	121	28	3.9	0
23/03/2023 08:30	2.2	102	27	3.6	0
23/03/2023 08:40	2	96	25	3.1	0
23/03/2023 08:50	1.7	92	37	2.6	0
23/03/2023 09:00	2.5	95	23	3.9	0
23/03/2023 09:10	2	101	22	3	0
23/03/2023 09:20	1.9	86	31	2.9	0
23/03/2023 09:30	1.8	93	38	3.6	0
23/03/2023 09:40	2.5	60	16	3.6	0
23/03/2023 09:50	2.2	57	15	2.8	0
23/03/2023 10:00	1.7	63	30	2.7	0
23/03/2023 10:10	1.8	81	38	3	0
23/03/2023 10:20	1.9	95	23	2.8	0
23/03/2023 10:30	2.1	91	26	3.4	0
23/03/2023 10:40	2	91	25	2.9	0
23/03/2023 10:50	2.5	53	16	3.4	0
23/03/2023 11:00	2.4	45	17	3.2	0
23/03/2023 11:10	2.3	48	14	3.2	0
23/03/2023 11:20	2.5	44	11	3.2	0
23/03/2023 11:30	2.8	47	12	3.6	0
23/03/2023 11:40	3.2	47	11	4.4	0
23/03/2023 11:50	3.8	44	12	4.8	0
23/03/2023 12:00	3.5	46	14	5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/03/2023 12:10	3.7	49	13	4.8	0
23/03/2023 12:20	3.8	47	12	4.8	0
23/03/2023 12:30	3.4	46	11	4.9	0
23/03/2023 12:40	3.9	44	11	5.2	0
23/03/2023 12:50	3.9	47	12	5.3	0
23/03/2023 13:00	3.4	42	13	4.3	0
23/03/2023 13:10	3.5	42	16	4.9	0
23/03/2023 13:20	3.9	47	11	4.9	0
23/03/2023 13:30	3.7	45	13	4.9	0
23/03/2023 13:40	4.2	46	12	5.6	0
23/03/2023 13:50	4.1	45	13	5.6	0
23/03/2023 14:00	4.4	42	11	6	0
23/03/2023 14:10	3.9	46	15	5.5	0
23/03/2023 14:20	4.6	44	11	5.9	0
23/03/2023 14:30	4.3	44	12	5.7	0
23/03/2023 14:40	4.9	38	14	6.9	0
23/03/2023 14:50	4.8	39	11	6.6	0
23/03/2023 15:00	4.5	40	11	6.4	0
23/03/2023 15:10	4	43	13	5.4	0
23/03/2023 15:20	4	47	11	5.2	0
23/03/2023 15:30	4.1	47	9	5.1	0
23/03/2023 15:40	3.9	46	12	5.4	0
23/03/2023 15:50	3.6	37	17	5.2	0
23/03/2023 16:00	3.9	43	11	5	0
23/03/2023 16:10	3.9	17	15	5.6	0
23/03/2023 16:20	5.4	350	15	6.8	0
23/03/2023 16:30	5.1	348	12	6.8	0
23/03/2023 16:40	5	339	13	6.8	0
23/03/2023 16:50	5.3	343	13	7.2	0
23/03/2023 17:00	5.7	356	13	8.3	0
23/03/2023 17:10	5.5	355	12	7.1	0
23/03/2023 17:20	5.5	345	10	7.2	0
23/03/2023 17:30	5.1	347	14	7.2	0
23/03/2023 17:40	5.5	345	13	7.4	0
23/03/2023 17:50	4.8	340	13	6.6	0
23/03/2023 18:00	5.4	344	13	7.3	0
23/03/2023 18:10	5.7	345	12	7.8	0
23/03/2023 18:20	5.9	340	11	7.8	0
23/03/2023 18:30	4.9	341	14	7	0
23/03/2023 18:40	4.8	340	13	6.4	0
23/03/2023 18:50	4	334	15	6.4	0
23/03/2023 19:00	3.8	332	16	5.6	0
23/03/2023 19:10	4	327	18	6.7	0
23/03/2023 19:20	4.2	334	13	6	0
23/03/2023 19:30	3.9	329	14	5.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/03/2023 19:40	3.4	334	20	5.8	0
23/03/2023 19:50	3.8	331	15	6	0
23/03/2023 20:00	3	316	23	4.8	0
23/03/2023 20:10	2.5	297	21	4.1	0
23/03/2023 20:20	2.6	290	19	4.4	0
23/03/2023 20:30	2.8	290	20	4.7	0
23/03/2023 20:40	2.5	289	20	4.5	0
23/03/2023 20:50	2.5	270	22	3.8	0
23/03/2023 21:00	2.6	289	24	4	0
23/03/2023 21:10	2.1	287	23	3.2	0
23/03/2023 21:20	2.1	266	24	3.2	0
23/03/2023 21:30	1.9	273	27	3.3	0
23/03/2023 21:40	1.7	246	33	3.2	0
23/03/2023 21:50	2	284	25	2.9	0
23/03/2023 22:00	1.7	287	28	2.6	0
23/03/2023 22:10	1.9	271	20	2.8	0
23/03/2023 22:20	1.9	278	21	3.2	0
23/03/2023 22:30	2	267	23	3.3	0
23/03/2023 22:40	1.9	263	28	3.4	0
23/03/2023 22:50	1.9	244	36	3.9	0
23/03/2023 23:00	1.9	255	32	3.4	0
23/03/2023 23:10	1.6	242	43	3.3	0
23/03/2023 23:20	1.4	252	34	2.7	0
23/03/2023 23:30	1.7	234	30	2.9	0
23/03/2023 23:40	1.2	267	53	2	0
23/03/2023 23:50	1.4	268	43	2.8	0
24/03/2023 00:00	1.2	232	38	2.8	0
24/03/2023 00:10	1.5	205	33	2.8	0
24/03/2023 00:20	2.7	199	13	3.8	0
24/03/2023 00:30	2.8	194	13	3.9	0
24/03/2023 00:40	2.6	195	17	4.3	0
24/03/2023 00:50	2	204	31	3.2	0
24/03/2023 01:00	2.1	189	16	3.2	0
24/03/2023 01:10	2.5	195	13	3.9	0
24/03/2023 01:20	2.3	200	14	3.2	0
24/03/2023 01:30	2	196	15	3	0
24/03/2023 01:40	2.2	198	14	3	0
24/03/2023 01:50	2.1	198	15	3.2	0
24/03/2023 02:00	1.6	193	24	2.5	0
24/03/2023 02:10	1.3	213	35	2	0
24/03/2023 02:20	0.8	185	29	1.6	0
24/03/2023 02:30	1.4	189	32	2.3	0
24/03/2023 02:40	1.2	205	31	2	0
24/03/2023 02:50	1.3	186	15	2.1	0
24/03/2023 03:00	0.8	191	25	1.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/03/2023 03:10	1.3	189	18	2	0
24/03/2023 03:20	0.7	194	32	1.2	0
24/03/2023 03:30	1	198	19	2	0
24/03/2023 03:40	0.5	255	32	1.2	0
24/03/2023 03:50	0.2	243	15	0.8	0
24/03/2023 04:00	1.1	194	13	2	0
24/03/2023 04:10	1.2	190	11	2	0
24/03/2023 04:20	1.1	195	14	1.6	0
24/03/2023 04:30	0.3	248	36	0.8	0
24/03/2023 04:40	0.7	289	30	1.2	0
24/03/2023 04:50	0.9	278	21	1.2	0
24/03/2023 05:00	0.9	250	18	1.4	0
24/03/2023 05:10	1.3	292	6	1.6	0
24/03/2023 05:20	1.2	293	8	1.6	0
24/03/2023 05:30	0.4	300	6	1	0
24/03/2023 05:40					0
24/03/2023 05:50	0.6	292	8	1.3	0
24/03/2023 06:00					0
24/03/2023 06:10					0
24/03/2023 06:20	0.4	185	9	1.1	0
24/03/2023 06:30	0.9	329	6	1.1	0
24/03/2023 06:40	0.6	335	3	0.9	0
24/03/2023 06:50					0
24/03/2023 07:00	0.4	5	5	1.1	0
24/03/2023 07:10	0.7	31	10	1	0
24/03/2023 07:20	0.5	83	13	0.8	0
24/03/2023 07:30	0.2	60	10	0.8	0
24/03/2023 07:40	0.8	36	16	1.2	0
24/03/2023 07:50	1.1	49	14	1.6	0
24/03/2023 08:00	1	46	17	1.4	0
24/03/2023 08:10	0.9	58	14	1.3	0
24/03/2023 08:20	1.2	66	14	1.6	0
24/03/2023 08:30	1.4	68	22	1.8	0
24/03/2023 08:40	1.8	71	17	2.4	0
24/03/2023 08:50	1.9	104	13	2.4	0
24/03/2023 09:00	2	56	16	2.8	0
24/03/2023 09:10	2.3	66	12	3	0
24/03/2023 09:20	1.7	72	16	2.4	0
24/03/2023 09:30	2.2	61	16	2.9	0
24/03/2023 09:40	2.7	57	11	3.4	0
24/03/2023 09:50	3	61	10	3.6	0
24/03/2023 10:00	3	56	12	4	0
24/03/2023 10:10	3.1	51	12	4.3	0
24/03/2023 10:20	3.3	53	10	4.3	0
24/03/2023 10:30	3.3	54	11	4.2	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/03/2023 10:40	3.5	50	12	4.9	0
24/03/2023 10:50	3.8	45	12	5.3	0
24/03/2023 11:00	4.2	46	12	5.7	0
24/03/2023 11:10	3.9	47	12	4.8	0
24/03/2023 11:20	3.6	52	12	4.7	0
24/03/2023 11:30	3.9	50	13	5.4	0
24/03/2023 11:40	4	51	12	5.2	0
24/03/2023 11:50	3.9	52	11	5.2	0
24/03/2023 12:00	4.8	54	10	6.2	0
24/03/2023 12:10	4.9	43	10	6.4	0
24/03/2023 12:20	4.9	41	12	6.9	0
24/03/2023 12:30	7.4	57	12	10.4	0
24/03/2023 12:40	8.9	63	13	12.1	0
24/03/2023 12:50	8.2	67	14	11.6	0
24/03/2023 13:00	8.3	62	15	11.1	0
24/03/2023 13:10	8.4	57	11	10.8	0
24/03/2023 13:20	6.9	57	12	8.8	0
24/03/2023 13:30	5.7	59	13	7.6	0
24/03/2023 13:40	4.8	63	12	6.6	0
24/03/2023 13:50	5.1	57	11	6.8	0
24/03/2023 14:00	4.2	56	14	5.6	0
24/03/2023 14:10	4.3	56	12	5.9	0
24/03/2023 14:20	4.3	58	10	5.4	0
24/03/2023 14:30	4.3	58	13	5.5	0
24/03/2023 14:40	3.9	58	13	4.9	0
24/03/2023 14:50	3.8	54	12	5	0
24/03/2023 15:00	3.8	59	12	5.4	0
24/03/2023 15:10	3.9	59	14	4.9	0
24/03/2023 15:20	3.8	57	11	5	0
24/03/2023 15:30	3.7	53	13	4.8	0
24/03/2023 15:40	3.9	43	12	5.2	0
24/03/2023 15:50	3.8	40	12	4.9	0
24/03/2023 16:00	3.7	40	12	5	0
24/03/2023 16:10	3.3	52	14	4.4	0
24/03/2023 16:20	3.6	60	11	4.9	0
24/03/2023 16:30	3.6	51	14	4.9	0
24/03/2023 16:40	3.5	52	14	4.8	0
24/03/2023 16:50	3	41	11	4.4	0
24/03/2023 17:00	2.7	52	15	3.7	0
24/03/2023 17:10	2.8	38	13	4	0
24/03/2023 17:20	2.6	45	14	3.7	0
24/03/2023 17:30	2.4	52	12	3.2	0
24/03/2023 17:40	2.1	52	13	3.1	0
24/03/2023 17:50	1.9	43	12	2.5	0
24/03/2023 18:00	2	44	12	2.9	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/03/2023 18:10	1.7	46	15	2.4	0
24/03/2023 18:20	2	41	11	2.7	0
24/03/2023 18:30	1.8	45	12	2.6	0
24/03/2023 18:40	1.6	42	14	2.6	0
24/03/2023 18:50	1	42	18	1.6	0
24/03/2023 19:00	1.4	47	12	2.3	0
24/03/2023 19:10	1.3	40	15	2	0
24/03/2023 19:20	0.9	54	17	1.6	0
24/03/2023 19:30	1.2	51	16	1.8	0
24/03/2023 19:40	1.5	47	15	1.9	0
24/03/2023 19:50	1.5	36	14	2.2	0
24/03/2023 20:00	1.7	39	14	2.4	0
24/03/2023 20:10	1.7	37	14	2.6	0
24/03/2023 20:20	1.6	42	13	2.4	0
24/03/2023 20:30	1.6	39	13	2.2	0
24/03/2023 20:40	1.4	31	12	1.7	0
24/03/2023 20:50	1.1	27	15	1.5	0
24/03/2023 21:00	0.5	35	8	1.2	0
24/03/2023 21:10					0
24/03/2023 21:20					0
24/03/2023 21:30					0
24/03/2023 21:40					0
24/03/2023 21:50	0.6	326	6	1.3	0
24/03/2023 22:00	0.5	185	12	1	0
24/03/2023 22:10	0.7	330	6	1.2	0
24/03/2023 22:20	1	346	10	1.2	0
24/03/2023 22:30	0.3	30	7	0.8	0
24/03/2023 22:40	0.1	328	6	0.4	0
24/03/2023 22:50	0.5	333	12	0.8	0
24/03/2023 23:00	0.6	322	7	1.1	0
24/03/2023 23:10	0.2	335	10	0.8	0
24/03/2023 23:20	0.3	339	23	0.9	0
24/03/2023 23:30	0.5	325	9	0.9	0
24/03/2023 23:40	0.3	331	8	0.8	0
24/03/2023 23:50	0	179	1	0.4	0
25/03/2023 00:00	0	235	7	0.7	0
25/03/2023 00:10	0	118	0	0.4	0
25/03/2023 00:20					0
25/03/2023 00:30					0
25/03/2023 00:40	0	30	1	0.8	0
25/03/2023 00:50	0.5	43	3	0.8	0
25/03/2023 01:00					0
25/03/2023 01:10					0
25/03/2023 01:20	0	332	1	0.8	0
25/03/2023 01:30	0.7	313	16	1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/03/2023 01:40	0.8	309	25	1.4	0
25/03/2023 01:50	1	222	35	1.7	0
25/03/2023 02:00	1.3	207	24	2	0
25/03/2023 02:10	1.1	204	24	1.9	0
25/03/2023 02:20	1.4	197	18	2	0
25/03/2023 02:30	1.6	195	11	2.4	0
25/03/2023 02:40	1.5	196	14	2	0
25/03/2023 02:50	1.5	203	12	2	0
25/03/2023 03:00	1.5	204	12	2	0
25/03/2023 03:10	1.5	198	10	2.4	0
25/03/2023 03:20	1.4	200	12	2	0
25/03/2023 03:30	1.6	194	7	2	0
25/03/2023 03:40	1.5	193	8	1.9	0
25/03/2023 03:50	1.7	204	7	2.3	0
25/03/2023 04:00	2	195	6	2.6	0
25/03/2023 04:10	0.9	233	16	1.6	0
25/03/2023 04:20	1.2	228	21	1.7	0
25/03/2023 04:30	1.8	195	11	2.3	0
25/03/2023 04:40	1.9	201	10	2.5	0
25/03/2023 04:50	1.4	195	21	2.4	0
25/03/2023 05:00	1.3	213	40	2.3	0
25/03/2023 05:10	2.1	192	13	3.1	0
25/03/2023 05:20	1.9	188	18	2.8	0
25/03/2023 05:30	1.8	194	14	2.4	0
25/03/2023 05:40	1.6	169	22	2.4	0
25/03/2023 05:50	1.5	142	25	2.3	0
25/03/2023 06:00	2	149	15	3.1	0
25/03/2023 06:10	1.6	129	24	2.6	0
25/03/2023 06:20	1.8	118	16	2.5	0
25/03/2023 06:30	1.4	147	26	2.3	0
25/03/2023 06:40	1.1	161	31	1.8	0
25/03/2023 06:50	1.5	109	18	2.3	0
25/03/2023 07:00	1.3	130	35	2	0
25/03/2023 07:10	1.7	144	21	2.4	0
25/03/2023 07:20	1.9	176	18	2.8	0
25/03/2023 07:30	1.8	153	28	2.6	0
25/03/2023 07:40	1.6	140	24	2.5	0
25/03/2023 07:50	2.1	151	15	2.7	0
25/03/2023 08:00	1.7	168	16	2.4	0
25/03/2023 08:10	1.5	126	28	2.8	0
25/03/2023 08:20	1.8	99	16	2.5	0
25/03/2023 08:30	1.8	117	15	2.6	0
25/03/2023 08:40	1.3	138	39	2.3	0
25/03/2023 08:50	1.7	110	32	2.8	0
25/03/2023 09:00	1.7	135	35	2.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/03/2023 09:10	1.7	141	32	3.2	0
25/03/2023 09:20	2.2	107	20	3.2	0
25/03/2023 09:30	1.9	118	19	2.6	0
25/03/2023 09:40	1.9	107	30	3.5	0
25/03/2023 09:50	2.1	123	31	3.2	0
25/03/2023 10:00	2.1	118	22	3.2	0
25/03/2023 10:10	2.1	110	22	3.2	0
25/03/2023 10:20	2.2	88	24	3.5	0
25/03/2023 10:30	2.3	79	16	3.6	0
25/03/2023 10:40	2.6	78	22	3.7	0
25/03/2023 10:50	2.3	80	19	3.5	0
25/03/2023 11:00	2.7	82	17	3.6	0
25/03/2023 11:10	3.2	76	19	4.1	0
25/03/2023 11:20	3.5	68	16	4.8	0
25/03/2023 11:30	4.1	58	10	5.3	0
25/03/2023 11:40	3.9	57	13	4.8	0
25/03/2023 11:50	4.1	57	12	5.5	0
25/03/2023 12:00	3.8	52	13	5.5	0
25/03/2023 12:10	3.7	57	15	5.3	0
25/03/2023 12:20	3.6	55	13	5.4	0
25/03/2023 12:30	4	44	13	5.2	0
25/03/2023 12:40	4.6	40	12	6.4	0
25/03/2023 12:50	4.6	41	14	6.3	0
25/03/2023 13:00	3.4	54	12	4.4	0
25/03/2023 13:10	5.2	200	15	7.4	0
25/03/2023 13:20	7.2	351	12	9	0
25/03/2023 13:30	6	180	12	8	0
25/03/2023 13:40	5	183	12	6.6	0
25/03/2023 13:50	3.9	2	16	5.3	0
25/03/2023 14:00	4.3	186	16	6.4	0
25/03/2023 14:10	3.6	55	14	4.9	0
25/03/2023 14:20	4	51	14	5.2	0
25/03/2023 14:30	4.1	58	12	5.4	0
25/03/2023 14:40	4.2	60	9	5.2	0
25/03/2023 14:50	4.7	58	10	5.8	0
25/03/2023 15:00	4.4	53	13	6.1	0
25/03/2023 15:10	3.9	54	15	4.9	0
25/03/2023 15:20	3.4	35	13	4.8	0
25/03/2023 15:30	3.7	41	13	5	0
25/03/2023 15:40	3.9	41	14	5.6	0
25/03/2023 15:50	4	39	13	5.4	0
25/03/2023 16:00	4.2	44	13	5.7	0
25/03/2023 16:10	3.4	44	15	4.7	0
25/03/2023 16:20	3.4	41	12	5	0
25/03/2023 16:30	3.3	48	12	4.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/03/2023 16:40	2.9	49	15	4	0
25/03/2023 16:50	2.8	47	12	4.3	0
25/03/2023 17:00	2.3	46	13	3.2	0
25/03/2023 17:10	3.1	48	13	4	0
25/03/2023 17:20	3.3	48	15	4.7	0
25/03/2023 17:30	3.8	45	13	5.2	0
25/03/2023 17:40	3.3	36	14	4.8	0
25/03/2023 17:50	3.5	32	11	4.7	0
25/03/2023 18:00	3.4	33	12	4.8	0
25/03/2023 18:10	3	37	14	4	0
25/03/2023 18:20	2.9	36	13	4.2	0
25/03/2023 18:30	2.7	40	14	4	0
25/03/2023 18:40	2.9	41	11	4	0
25/03/2023 18:50	2.4	30	14	3.2	0
25/03/2023 19:00	2	24	12	2.9	0
25/03/2023 19:10	2.1	26	12	3.2	0
25/03/2023 19:20	1.3	31	14	2	0
25/03/2023 19:30	1.3	22	14	1.7	0
25/03/2023 19:40	1.9	180	15	2.8	0
25/03/2023 19:50	2.3	354	10	3	0
25/03/2023 20:00	1.7	6	15	2.4	0
25/03/2023 20:10	1.4	184	17	1.9	0
25/03/2023 20:20	0.1	46	4	0.7	0
25/03/2023 20:30	1	34	19	1.4	0
25/03/2023 20:40	1.4	13	17	1.9	0
25/03/2023 20:50	1.8	14	11	2.4	0
25/03/2023 21:00	1.1	14	16	2	0
25/03/2023 21:10	1.1	14	15	1.6	0
25/03/2023 21:20	1.3	26	15	1.8	0
25/03/2023 21:30	1.1	27	13	1.6	0
25/03/2023 21:40	1.4	5	9	2.2	0
25/03/2023 21:50	1.4	11	11	2	0
25/03/2023 22:00	1.4	21	14	2.1	0
25/03/2023 22:10	1.9	25	15	2.9	0
25/03/2023 22:20	1.4	26	11	2.2	0
25/03/2023 22:30	1.4	31	11	2.2	0
25/03/2023 22:40	1.1	15	13	1.6	0
25/03/2023 22:50	0.1	359	3	0.8	0
25/03/2023 23:00					0
25/03/2023 23:10	0.1	181	6	0.7	0
25/03/2023 23:20					0
25/03/2023 23:30	0.9	342	7	1.2	0
25/03/2023 23:40	0.9	338	12	1.2	0
25/03/2023 23:50	0.7	337	10	1.2	0
26/03/2023 00:00	0.8	331	7	1.1	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/03/2023 00:10	0.5	344	16	0.9	0
26/03/2023 00:20	0.1	359	2	0.4	0
26/03/2023 00:30					0
26/03/2023 00:40					0
26/03/2023 00:50					0
26/03/2023 01:00	0.8	203	9	2	0
26/03/2023 01:10	2.9	206	16	4	0
26/03/2023 01:20	2	220	31	3.5	0.1
26/03/2023 01:30	2.5	229	23	3.8	0.2
26/03/2023 01:40	3	207	13	3.9	0.1
26/03/2023 01:50	2	205	6	2.8	0
26/03/2023 02:00	0.8	208	4	1.4	0
26/03/2023 02:10					0
26/03/2023 02:20	0.2	289	3	1.7	0
26/03/2023 02:30	2	279	11	2.8	0.2
26/03/2023 02:40	1	271	16	1.6	0
26/03/2023 02:50	0.4	266	9	1.2	0.1
26/03/2023 03:00	1.4	269	11	2.8	0.1
26/03/2023 03:10	0.8	225	15	2.2	0.4
26/03/2023 03:20	1.1	198	11	2.2	0
26/03/2023 03:30	0.4	205	6	1.6	0
26/03/2023 03:40	0.9	180	13	2.1	0
26/03/2023 03:50					0.1
26/03/2023 04:00					0.1
26/03/2023 04:10	0	110	2	0.4	0.3
26/03/2023 04:20	0.9	181	14	1.6	0.2
26/03/2023 04:30	1.8	211	9	2.2	0.1
26/03/2023 04:40	2.6	251	13	4.1	2.1
26/03/2023 04:50	2.2	203	20	3.2	1.7
26/03/2023 05:00	2.7	4	19	4.5	0.4
26/03/2023 05:10	3.6	230	54	6.8	5.9
26/03/2023 05:20	1.6	230	29	2.6	4.2
26/03/2023 05:30	0.8	137	32	1.6	2
26/03/2023 05:40	1.3	166	13	2	1.4
26/03/2023 05:50	1.5	197	11	2	0.2
26/03/2023 06:00	2.6	162	13	3.9	0
26/03/2023 06:10	2.2	155	14	3.6	0
26/03/2023 06:20	2.3	173	15	3.2	0
26/03/2023 06:30	3.2	182	14	4.6	0
26/03/2023 06:40	3.1	184	13	4.3	0
26/03/2023 06:50	2.8	187	13	4.4	0
26/03/2023 07:00	3.8	197	8	4.8	0
26/03/2023 07:10	2.4	182	13	3.9	0
26/03/2023 07:20	1.8	169	20	2.6	0
26/03/2023 07:30	1.8	148	20	3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/03/2023 07:40	1.7	150	17	2.8	0
26/03/2023 07:50	2.3	153	15	3.3	0
26/03/2023 08:00	2.3	154	17	3.2	0
26/03/2023 08:10	1.5	145	25	2.6	0
26/03/2023 08:20	1.5	151	19	2.6	0
26/03/2023 08:30	1.1	157	27	2.1	0
26/03/2023 08:40	1.3	128	25	2.1	0
26/03/2023 08:50	1.2	119	28	1.8	0
26/03/2023 09:00	1.3	104	23	2	0
26/03/2023 09:10	1.6	114	25	2.8	0
26/03/2023 09:20	1.8	99	17	2.5	0
26/03/2023 09:30	1.5	92	17	2.4	0
26/03/2023 09:40	1.7	95	14	2.5	0
26/03/2023 09:50	1.7	95	21	2.8	0
26/03/2023 10:00	1.7	106	19	2.4	0
26/03/2023 10:10	1.8	77	17	2.4	0
26/03/2023 10:20	1.6	82	21	2.3	0
26/03/2023 10:30	1.6	70	16	2.3	0
26/03/2023 10:40	1.8	44	15	2.5	0
26/03/2023 10:50	1.9	28	12	2.8	0
26/03/2023 11:00	1.4	43	12	2.2	0
26/03/2023 11:10	0.5	47	13	1.2	0
26/03/2023 11:20	1.2	181	17	2.1	0
26/03/2023 11:30	1.9	6	13	2.7	0
26/03/2023 11:40	1.8	24	17	2.8	0
26/03/2023 11:50	1.9	48	13	2.5	0
26/03/2023 12:00	1.9	53	18	2.6	0
26/03/2023 12:10	2	53	20	3.3	0
26/03/2023 12:20	2.3	61	17	3.1	0
26/03/2023 12:30	2.6	63	12	3.6	0
26/03/2023 12:40	2.6	54	13	3.6	0
26/03/2023 12:50	3.2	58	12	4.1	0
26/03/2023 13:00	3.1	56	13	4.3	0
26/03/2023 13:10	3.4	58	12	4.4	0
26/03/2023 13:20	3.7	55	12	4.8	0
26/03/2023 13:30	3.5	50	13	4.8	0
26/03/2023 13:40	3.5	50	13	4.7	0
26/03/2023 13:50	3.5	55	13	4.6	0
26/03/2023 14:00	3.4	50	12	4.4	0
26/03/2023 14:10	3.7	59	11	4.8	0
26/03/2023 14:20	3.6	51	13	5.1	0
26/03/2023 14:30	3.7	44	14	5.2	0
26/03/2023 14:40	3.6	43	15	4.9	0
26/03/2023 14:50	3.3	49	13	4.4	0
26/03/2023 15:00	3.3	48	14	4.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/03/2023 15:10	3.6	40	13	4.6	0
26/03/2023 15:20	3.4	41	13	4.7	0
26/03/2023 15:30	3	27	14	4.1	0
26/03/2023 15:40	2.9	353	17	4	0
26/03/2023 15:50	3.7	338	15	5.6	0
26/03/2023 16:00	3.5	348	13	4.8	0
26/03/2023 16:10	3.2	343	16	5.1	0
26/03/2023 16:20	3.1	341	15	4.8	0
26/03/2023 16:30	3.7	343	11	4.8	0
26/03/2023 16:40	3.6	344	11	4.8	0
26/03/2023 16:50	3.5	338	12	4.8	0
26/03/2023 17:00	3.2	342	16	4.1	0
26/03/2023 17:10	3.1	347	13	4.2	0
26/03/2023 17:20	2.8	341	14	3.6	0
26/03/2023 17:30	2.6	344	14	3.8	0
26/03/2023 17:40	2.6	331	16	3.7	0
26/03/2023 17:50	2.7	330	16	4.1	0
26/03/2023 18:00	2.6	325	11	3.6	0
26/03/2023 18:10	2.3	333	14	3.2	0
26/03/2023 18:20	2.2	337	12	3.2	0
26/03/2023 18:30	2.3	326	13	3.3	0
26/03/2023 18:40	2.2	331	15	3.4	0
26/03/2023 18:50	2	323	14	2.8	0
26/03/2023 19:00	2	334	12	3.2	0
26/03/2023 19:10	1.5	334	16	2.4	0
26/03/2023 19:20	1	315	19	1.8	0
26/03/2023 19:30	1	322	27	1.7	0
26/03/2023 19:40	1.4	306	16	2.4	0
26/03/2023 19:50	1.3	317	19	1.9	0
26/03/2023 20:00	0.9	314	23	1.8	0
26/03/2023 20:10	1.4	290	21	2.4	0
26/03/2023 20:20	1.2	290	25	1.9	0
26/03/2023 20:30	1.8	332	16	2.8	0
26/03/2023 20:40	0.6	181	7	1	0
26/03/2023 20:50	1.1	318	11	1.7	0
26/03/2023 21:00	1.5	320	14	2.1	0
26/03/2023 21:10	1.2	315	20	2	0
26/03/2023 21:20	1.3	301	22	2.2	0
26/03/2023 21:30	1.4	313	18	2.2	0
26/03/2023 21:40	1	307	13	1.6	0
26/03/2023 21:50	0.8	297	16	1.2	0
26/03/2023 22:00	1	322	14	1.6	0
26/03/2023 22:10	1.1	312	15	1.8	0
26/03/2023 22:20	0.8	304	16	1.2	0
26/03/2023 22:30	0.4	289	10	0.8	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/03/2023 22:40	0.1	327	4	0.7	0
26/03/2023 22:50	0.3	312	26	1	0
26/03/2023 23:00	0.9	285	30	1.4	0
26/03/2023 23:10	1	304	15	1.9	0
26/03/2023 23:20	0.9	283	26	1.6	0
26/03/2023 23:30	0.9	323	21	1.6	0
26/03/2023 23:40	1.4	301	14	2.4	0
26/03/2023 23:50	1	279	33	2	0
27/03/2023 00:00	0.8	286	21	1.4	0
27/03/2023 00:10	0.9	251	22	1.5	0
27/03/2023 00:20	1.3	197	14	1.8	0
27/03/2023 00:30	0.6	187	9	1.2	0
27/03/2023 00:40					0
27/03/2023 00:50	0.6	131	16	1.2	0
27/03/2023 01:00	1	198	12	1.5	0
27/03/2023 01:10	1	201	13	1.4	0
27/03/2023 01:20	1.1	197	11	1.5	0
27/03/2023 01:30	0.8	184	17	1.2	0
27/03/2023 01:40	1.1	203	9	1.4	0
27/03/2023 01:50	0.7	196	14	1.2	0
27/03/2023 02:00	0.9	196	16	1.4	0
27/03/2023 02:10	0.7	252	41	1.2	0
27/03/2023 02:20	0.5	186	8	0.9	0
27/03/2023 02:30					0
27/03/2023 02:40					0
27/03/2023 02:50					0
27/03/2023 03:00	0.2	179	9	1.2	0
27/03/2023 03:10	1.2	190	16	1.7	0
27/03/2023 03:20	1.1	191	12	1.6	0
27/03/2023 03:30	1	184	11	1.4	0
27/03/2023 03:40	0.5	127	25	0.9	0
27/03/2023 03:50	0.9	90	18	1.6	0
27/03/2023 04:00	1.2	77	12	1.6	0
27/03/2023 04:10	0.1	162	2	0.5	0
27/03/2023 04:20	0.3	261	10	1	0
27/03/2023 04:30	0.6	152	11	1.4	0
27/03/2023 04:40	1.4	163	11	2.4	0
27/03/2023 04:50	1.8	173	14	2.6	0
27/03/2023 05:00	1.9	184	11	2.6	0
27/03/2023 05:10	1.7	173	19	2.6	0
27/03/2023 05:20	1	324	28	1.3	0
27/03/2023 05:30	0.8	325	14	1.2	0
27/03/2023 05:40	0.8	196	18	1.5	0
27/03/2023 05:50	0.8	192	12	1.4	0
27/03/2023 06:00	0.9	204	20	1.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/03/2023 06:10	0.3	218	16	1.1	0
27/03/2023 06:20	0.5	217	13	1.2	0
27/03/2023 06:30	1.3	165	16	2.2	0
27/03/2023 06:40	1.5	180	16	2.1	0
27/03/2023 06:50	2.1	190	13	3	0
27/03/2023 07:00	2.1	182	15	3.1	0
27/03/2023 07:10	2.6	201	11	3.5	0
27/03/2023 07:20	1.4	205	21	2.2	0
27/03/2023 07:30	1.2	201	16	1.7	0
27/03/2023 07:40	1	335	23	1.6	0
27/03/2023 07:50	1.2	49	13	1.8	0.1
27/03/2023 08:00	0.8	59	16	1.3	0.1
27/03/2023 08:10	0.5	69	12	1	0
27/03/2023 08:20	0.8	43	27	1.2	0.1
27/03/2023 08:30	0.4	294	17	0.9	0.2
27/03/2023 08:40	0.2	43	4	0.7	0.6
27/03/2023 08:50					0.2
27/03/2023 09:00	0.3	308	19	0.8	0.2
27/03/2023 09:10	0.9	292	18	1.6	0.3
27/03/2023 09:20	0.7	324	23	1.4	0
27/03/2023 09:30	0.4	309	13	1.1	0
27/03/2023 09:40	0.4	227	16	1	0
27/03/2023 09:50	0.8	267	21	1.6	0
27/03/2023 10:00	1.3	302	24	2.1	0
27/03/2023 10:10	1.3	302	19	2.1	0.1
27/03/2023 10:20	1.3	312	22	2.9	0
27/03/2023 10:30	1.6	304	17	2.8	0
27/03/2023 10:40	1.8	308	22	3.2	0.1
27/03/2023 10:50	2.2	303	19	3.8	0.1
27/03/2023 11:00	2.3	270	30	4	0.1
27/03/2023 11:10	2.5	273	24	3.8	0
27/03/2023 11:20	2.4	265	26	4	0.1
27/03/2023 11:30	2.2	267	28	4	0.2
27/03/2023 11:40	2	286	23	4.4	0
27/03/2023 11:50	2.4	294	25	4.3	0
27/03/2023 12:00	1.9	271	32	3.3	0
27/03/2023 12:10	1.9	267	33	3.1	0
27/03/2023 12:20	2	262	30	3.7	0
27/03/2023 12:30	1.8	270	32	3.4	0
27/03/2023 12:40	1.9	261	34	3.2	0
27/03/2023 12:50	2	248	34	3.6	0
27/03/2023 13:00	1.4	210	37	2.9	0
27/03/2023 13:10	1.3	260	22	2.6	0
27/03/2023 13:20	1.3	235	33	2.2	0
27/03/2023 13:30	1.8	204	22	2.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/03/2023 13:40	0.8	218	38	1.6	0
27/03/2023 13:50	1.8	297	20	3.1	0
27/03/2023 14:00	2.3	289	25	3.5	0
27/03/2023 14:10	2.1	281	32	4.2	0
27/03/2023 14:20	2.1	271	23	3.3	0
27/03/2023 14:30	2.6	276	26	4.4	0
27/03/2023 14:40	2.2	266	30	3.9	0
27/03/2023 14:50	2.2	266	30	3.4	0
27/03/2023 15:00	2	245	43	3.6	0
27/03/2023 15:10	1.9	249	43	3.8	0
27/03/2023 15:20	1.4	230	52	3.4	0
27/03/2023 15:30	1.5	208	35	2.5	0
27/03/2023 15:40	1.9	206	33	3.1	0
27/03/2023 15:50	1.5	195	27	2.6	0
27/03/2023 16:00	1.3	257	41	2.4	0
27/03/2023 16:10	1	245	37	1.7	0
27/03/2023 16:20	1.1	196	40	2	0
27/03/2023 16:30	1.7	193	22	2.5	0
27/03/2023 16:40	1.4	191	18	2.1	0
27/03/2023 16:50	1.4	192	23	2.3	0
27/03/2023 17:00	1.6	190	17	2.4	0
27/03/2023 17:10	1.4	200	11	2	0
27/03/2023 17:20	0.7	253	17	1.3	0
27/03/2023 17:30	0.5	185	20	0.9	0
27/03/2023 17:40	0.9	128	16	1.4	0
27/03/2023 17:50	1	145	22	1.6	0
27/03/2023 18:00	1.3	200	11	1.7	0
27/03/2023 18:10	0.5	191	17	0.9	0
27/03/2023 18:20	0.5	202	17	0.8	0
27/03/2023 18:30	0.2	142	2	0.6	0
27/03/2023 18:40	0.8	206	25	1.1	0
27/03/2023 18:50	1.1	250	9	1.6	0
27/03/2023 19:00	0.8	224	26	1.2	0
27/03/2023 19:10	0.7	257	15	1	0
27/03/2023 19:20	1	237	14	1.3	0
27/03/2023 19:30	1	202	12	1.3	0
27/03/2023 19:40	1.2	209	5	1.5	0
27/03/2023 19:50	1	225	16	1.6	0
27/03/2023 20:00	1.1	218	12	1.5	0
27/03/2023 20:10	1	212	7	1.4	0
27/03/2023 20:20	1.2	221	8	1.5	0
27/03/2023 20:30	1.4	209	4	1.6	0
27/03/2023 20:40	1.6	221	8	1.9	0
27/03/2023 20:50	1.1	224	11	1.4	0
27/03/2023 21:00	1.6	223	9	2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/03/2023 21:10	1.4	232	12	1.8	0
27/03/2023 21:20	1.6	243	18	2	0
27/03/2023 21:30	1.1	271	13	1.5	0
27/03/2023 21:40	1.1	225	13	1.5	0
27/03/2023 21:50	1.4	218	11	2	0
27/03/2023 22:00	1.4	202	12	1.9	0
27/03/2023 22:10	1.6	205	10	2	0
27/03/2023 22:20	1.7	201	10	2.2	0
27/03/2023 22:30	0.6	256	36	1.3	0
27/03/2023 22:40	0.9	255	23	1.4	0
27/03/2023 22:50	1	305	11	1.2	0
27/03/2023 23:00	0.7	217	18	1.2	0
27/03/2023 23:10	0.4	324	8	1	0
27/03/2023 23:20	0.8	217	31	1.2	0
27/03/2023 23:30	0.7	294	28	1.3	0
27/03/2023 23:40	0.7	210	12	1	0
27/03/2023 23:50	0.2	87	6	0.6	0
28/03/2023 00:00	0.2	231	6	0.9	0
28/03/2023 00:10	0.6	208	13	1.1	0
28/03/2023 00:20	0.7	221	7	0.9	0
28/03/2023 00:30	0.9	229	11	1.3	0
28/03/2023 00:40	0.7	336	27	1.1	0
28/03/2023 00:50	0.1	191	5	0.7	0
28/03/2023 01:00	0.2	235	3	0.6	0
28/03/2023 01:10					0
28/03/2023 01:20					0
28/03/2023 01:30					0
28/03/2023 01:40	0.4	171	2	0.9	0
28/03/2023 01:50					0
28/03/2023 02:00	0.4	255	4	1.2	0
28/03/2023 02:10	0.5	243	13	1.1	0
28/03/2023 02:20	0.8	208	10	1.3	0
28/03/2023 02:30	0.9	237	27	1.6	0
28/03/2023 02:40	1	228	23	1.6	0
28/03/2023 02:50	1	194	11	1.6	0
28/03/2023 03:00	0.3	89	35	1.1	0
28/03/2023 03:10	0.2	204	14	0.9	0
28/03/2023 03:20	0.6	199	12	1.1	0
28/03/2023 03:30	1.5	203	9	2	0
28/03/2023 03:40	1.3	195	7	1.7	0
28/03/2023 03:50	1.2	195	9	1.5	0
28/03/2023 04:00	0.4	192	8	1.1	0
28/03/2023 04:10	0	244	2	0.4	0
28/03/2023 04:20	0.8	202	11	1	0
28/03/2023 04:30	0.7	205	9	1.4	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/03/2023 04:40	0.5	207	4	1.2	0
28/03/2023 04:50	1.3	206	6	1.5	0
28/03/2023 05:00	0.8	198	7	1.2	0
28/03/2023 05:10	0.4	195	4	1.2	0
28/03/2023 05:20	1	221	13	1.4	0
28/03/2023 05:30	1.3	229	10	1.6	0
28/03/2023 05:40	1.5	221	8	2	0
28/03/2023 05:50	1.3	224	26	1.8	0
28/03/2023 06:00	0.7	196	17	1.2	0
28/03/2023 06:10	1.1	204	17	1.7	0
28/03/2023 06:20	1.3	205	19	2	0
28/03/2023 06:30	1.6	206	14	2.3	0
28/03/2023 06:40	1.9	212	12	2.4	0
28/03/2023 06:50	1.7	193	15	2.8	0
28/03/2023 07:00	2.7	180	12	3.8	0
28/03/2023 07:10	2.2	192	14	3.5	0
28/03/2023 07:20	3.3	168	12	4.4	0
28/03/2023 07:30	2.7	174	14	3.7	0
28/03/2023 07:40	3.1	181	9	4	0
28/03/2023 07:50	2.5	173	13	3.4	0
28/03/2023 08:00	2.9	177	11	3.6	0
28/03/2023 08:10	2.9	180	11	3.7	0
28/03/2023 08:20	2.8	177	10	3.7	0.1
28/03/2023 08:30	3.1	176	10	3.7	0
28/03/2023 08:40	2.4	175	12	3.2	0
28/03/2023 08:50	2.4	182	14	3.2	0
28/03/2023 09:00	2.7	185	12	3.7	0
28/03/2023 09:10	2.1	181	14	3	0
28/03/2023 09:20	2.3	184	14	3.2	0
28/03/2023 09:30	2.2	183	14	3.2	0
28/03/2023 09:40	2	173	16	2.7	0
28/03/2023 09:50	1.9	134	19	2.9	0
28/03/2023 10:00	1.9	140	20	2.8	0
28/03/2023 10:10	1.7	137	18	2.6	0
28/03/2023 10:20	1.6	145	21	2.7	0
28/03/2023 10:30	1.6	147	17	2.4	0
28/03/2023 10:40	1.4	120	21	2	0
28/03/2023 10:50	1.6	127	23	2.5	0
28/03/2023 11:00	1.5	126	26	2.1	0
28/03/2023 11:10	1.3	128	14	2	0
28/03/2023 11:20	1.1	150	27	1.5	0
28/03/2023 11:30	0.6	116	28	1.2	0
28/03/2023 11:40	1	78	16	1.5	0
28/03/2023 11:50	1.1	73	23	1.6	0
28/03/2023 12:00	1.8	103	11	2.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/03/2023 12:10	1.5	98	14	2.1	0
28/03/2023 12:20	1.1	113	16	1.6	0
28/03/2023 12:30	1.4	72	16	1.9	0
28/03/2023 12:40	1.4	52	13	1.7	0
28/03/2023 12:50	1.3	86	19	1.8	0
28/03/2023 13:00	0.8	115	23	1.3	0
28/03/2023 13:10	0.7	68	17	1.2	0
28/03/2023 13:20	0.4	26	11	1	0
28/03/2023 13:30	0.9	30	20	1.6	0
28/03/2023 13:40	0.7	50	19	1.3	0
28/03/2023 13:50	0.7	296	34	1.4	0
28/03/2023 14:00	1.1	286	25	1.7	0
28/03/2023 14:10	1	314	29	1.8	0
28/03/2023 14:20	1.2	298	20	1.8	0
28/03/2023 14:30	1.1	279	18	1.6	0
28/03/2023 14:40	1.1	261	28	1.7	0
28/03/2023 14:50	0.6	200	55	1.5	0
28/03/2023 15:00	0.7	259	32	1.2	0
28/03/2023 15:10	1.2	327	15	1.7	0
28/03/2023 15:20	0.9	303	24	1.6	0
28/03/2023 15:30	0.7	283	16	1.4	0.1
28/03/2023 15:40	1.1	285	17	1.8	0
28/03/2023 15:50	1.3	280	21	2	0
28/03/2023 16:00	1.4	264	18	2.2	0
28/03/2023 16:10	1.2	266	19	2	0
28/03/2023 16:20	1.2	280	24	2.4	0
28/03/2023 16:30	0.7	240	46	1.3	0
28/03/2023 16:40	0.9	231	35	1.8	0
28/03/2023 16:50	0.9	273	18	1.4	0
28/03/2023 17:00	1.1	216	36	1.9	0
28/03/2023 17:10	0.9	264	37	1.8	0
28/03/2023 17:20	0.8	227	33	1.6	0
28/03/2023 17:30	0.9	203	36	1.6	0
28/03/2023 17:40	1	207	50	2	0
28/03/2023 17:50	0.7	207	42	1.9	0
28/03/2023 18:00	0.4	180	35	1.2	0
28/03/2023 18:10	1.3	200	42	2.3	0
28/03/2023 18:20	1.2	220	46	2.4	0
28/03/2023 18:30	1.1	185	45	2.2	0
28/03/2023 18:40	1	184	39	1.8	0
28/03/2023 18:50	1.3	197	50	2.1	0
28/03/2023 19:00	1.4	223	39	3.2	0
28/03/2023 19:10	1.1	200	47	2.2	0
28/03/2023 19:20	1	190	39	2.2	0.1
28/03/2023 19:30	1.2	207	30	2.4	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/03/2023 19:40	0.8	241	26	2	0
28/03/2023 19:50	0.6	288	11	1.4	0
28/03/2023 20:00	1.1	268	25	1.9	0
28/03/2023 20:10	0.7	210	19	1.5	0.1
28/03/2023 20:20	0.9	192	12	1.9	0.1
28/03/2023 20:30	1	197	9	1.5	0.1
28/03/2023 20:40	0.5	183	9	1.2	0.1
28/03/2023 20:50					0
28/03/2023 21:00					0.1
28/03/2023 21:10	0.2	49	3	0.8	0
28/03/2023 21:20	1	99	10	2	0.1
28/03/2023 21:30	2.5	109	13	3.8	0
28/03/2023 21:40	1	102	32	2	0
28/03/2023 21:50	0.3	225	18	1	0
28/03/2023 22:00					0
28/03/2023 22:10	0.1	54	5	0.6	0.1
28/03/2023 22:20	1.4	119	12	2.4	0
28/03/2023 22:30	1.7	109	16	2.4	0
28/03/2023 22:40	1.6	113	12	2	0
28/03/2023 22:50	1	107	13	1.7	0
28/03/2023 23:00	1.2	126	11	1.9	0
28/03/2023 23:10	2.1	144	16	3	0.2
28/03/2023 23:20	1.8	151	17	2.7	0
28/03/2023 23:30	1.2	116	23	2.1	0
28/03/2023 23:40	1.5	150	13	2.3	0.1
28/03/2023 23:50	1.5	140	19	2.4	0
29/03/2023 00:00	1.3	164	13	1.9	0
29/03/2023 00:10	0.8	149	17	1.4	0
29/03/2023 00:20	0	134	0	0.4	0
29/03/2023 00:30	0	42	5	0.4	0
29/03/2023 00:40	0	353	0	0.4	0
29/03/2023 00:50					0
29/03/2023 01:00	0.6	191	8	1	0
29/03/2023 01:10	0.7	147	20	1.5	0
29/03/2023 01:20	1	119	16	1.8	0
29/03/2023 01:30	1.4	118	19	2.3	0
29/03/2023 01:40	1.7	166	12	2.2	0
29/03/2023 01:50	1.7	167	12	2.1	0
29/03/2023 02:00	1.2	142	16	2.1	0
29/03/2023 02:10	1.7	155	16	2.4	0
29/03/2023 02:20	1.6	157	14	2.5	0
29/03/2023 02:30	1.4	139	26	2.1	0
29/03/2023 02:40	1.3	116	14	1.9	0
29/03/2023 02:50	1.4	127	13	2.2	0
29/03/2023 03:00	1.6	130	19	2.2	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/03/2023 03:10	1.8	120	14	2.6	0
29/03/2023 03:20	1.5	115	12	2.3	0
29/03/2023 03:30	1.6	121	11	2.3	0
29/03/2023 03:40	1.9	122	12	2.6	0
29/03/2023 03:50	1.9	126	21	3	0
29/03/2023 04:00	1.6	123	18	2.5	0
29/03/2023 04:10	1.7	107	13	2.4	0
29/03/2023 04:20	1.4	91	13	2.3	0
29/03/2023 04:30	1.3	104	17	2	0
29/03/2023 04:40	1.5	86	16	2.4	0
29/03/2023 04:50	1.8	87	16	2.8	0
29/03/2023 05:00	2.3	78	15	3.3	0
29/03/2023 05:10	1.9	92	15	3.2	0
29/03/2023 05:20	2.2	115	17	3.2	0
29/03/2023 05:30	2	124	14	3.1	0
29/03/2023 05:40	1.8	128	14	2.7	0
29/03/2023 05:50	2.1	120	13	3.2	0
29/03/2023 06:00	2.2	100	13	3.2	0
29/03/2023 06:10	2.1	94	15	3.1	0
29/03/2023 06:20	2.1	94	18	3.3	0
29/03/2023 06:30	2.4	104	14	3.3	0
29/03/2023 06:40	2.5	107	16	3.7	0
29/03/2023 06:50	1.8	89	20	2.8	0
29/03/2023 07:00	2.3	82	18	3.6	0
29/03/2023 07:10	2.3	83	20	3.4	0
29/03/2023 07:20	2.1	84	18	3.6	0
29/03/2023 07:30	2.3	98	16	3.7	0
29/03/2023 07:40	2.6	97	19	3.8	0
29/03/2023 07:50	2.9	90	16	4.4	0
29/03/2023 08:00	3.2	97	15	4.5	0
29/03/2023 08:10	3.2	99	17	4.4	0
29/03/2023 08:20	3.2	104	17	4.7	0
29/03/2023 08:30	3.4	117	13	4.9	0
29/03/2023 08:40	3.1	107	16	5	0
29/03/2023 08:50	3	106	17	4.8	0
29/03/2023 09:00	3.2	108	15	5	0
29/03/2023 09:10	3.7	115	14	5.1	0
29/03/2023 09:20	2.8	108	18	4.4	0
29/03/2023 09:30	2.6	96	17	3.9	0
29/03/2023 09:40	2.7	97	16	3.9	0
29/03/2023 09:50	2.8	96	15	4.4	0
29/03/2023 10:00	2.8	93	16	4	0
29/03/2023 10:10	3.1	93	15	4.9	0.1
29/03/2023 10:20	3.2	114	20	5.3	1.5
29/03/2023 10:30	2	215	51	4	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/03/2023 10:40	1.3	240	45	2.5	0
29/03/2023 10:50	3.7	207	12	5	0
29/03/2023 11:00	1.9	238	46	3.3	0
29/03/2023 11:10	1.6	155	39	3.6	0
29/03/2023 11:20	2.5	156	29	4	0
29/03/2023 11:30	2	119	19	3.3	0
29/03/2023 11:40	2.3	153	21	3.7	0.1
29/03/2023 11:50	2.2	159	21	3.5	0.1
29/03/2023 12:00	2.1	165	16	2.9	0.1
29/03/2023 12:10	1.8	145	19	2.9	0
29/03/2023 12:20	2	116	18	2.9	0
29/03/2023 12:30	1.9	128	22	3.1	0
29/03/2023 12:40	2.3	149	18	3.5	0
29/03/2023 12:50	2.1	142	23	3.2	0
29/03/2023 13:00	2.7	144	23	4.4	0
29/03/2023 13:10	2.5	138	23	3.5	0
29/03/2023 13:20	2	98	24	3.9	0
29/03/2023 13:30	2.5	45	13	3.4	0.2
29/03/2023 13:40	1.4	66	23	3.5	0.4
29/03/2023 13:50	4.1	104	16	6.9	1.4
29/03/2023 14:00	1.9	205	45	3.4	0
29/03/2023 14:10	2.2	280	27	3.4	0
29/03/2023 14:20	2.9	212	16	4.6	0
29/03/2023 14:30	3.6	214	23	5.6	0
29/03/2023 14:40	3	214	13	4.1	0.1
29/03/2023 14:50	2.3	209	13	3.2	0
29/03/2023 15:00	1	109	38	1.7	0
29/03/2023 15:10	1.6	57	27	2.3	0
29/03/2023 15:20	1.9	65	16	2.6	0
29/03/2023 15:30	1.4	49	12	1.9	0
29/03/2023 15:40	1	50	14	1.4	0
29/03/2023 15:50	1.6	35	14	2.6	0
29/03/2023 16:00	2.7	21	12	4	0
29/03/2023 16:10	3.3	15	12	4.9	0
29/03/2023 16:20	3.2	17	11	5	0
29/03/2023 16:30	4	16	11	5.6	0
29/03/2023 16:40	4.6	11	11	6.4	0
29/03/2023 16:50	4.3	11	12	6.4	0
29/03/2023 17:00	3.4	15	14	5.2	0
29/03/2023 17:10	3.5	6	14	4.8	0
29/03/2023 17:20	2.6	186	12	4.3	0
29/03/2023 17:30	3.6	180	12	5.2	0
29/03/2023 17:40	3.8	178	12	4.8	0
29/03/2023 17:50	2.9	6	14	4.2	0
29/03/2023 18:00	2.8	184	10	3.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/03/2023 18:10	2.5	357	14	4	0
29/03/2023 18:20	2.7	5	13	4.1	0
29/03/2023 18:30	2.4	8	13	3.6	0
29/03/2023 18:40	2.8	358	13	3.9	0
29/03/2023 18:50	2.1	180	11	3.3	0
29/03/2023 19:00	2.2	5	13	3.2	0
29/03/2023 19:10	1.7	11	14	2.8	0
29/03/2023 19:20	1.8	21	12	2.7	0
29/03/2023 19:30	1.5	9	15	2.2	0
29/03/2023 19:40	2.1	13	12	3.3	0
29/03/2023 19:50	1.6	9	14	2.4	0
29/03/2023 20:00	1.5	13	14	2.6	0
29/03/2023 20:10	1.6	22	16	2.6	0
29/03/2023 20:20	1	13	16	1.8	0
29/03/2023 20:30	1	4	11	1.7	0
29/03/2023 20:40	0.9	6	21	1.6	0
29/03/2023 20:50	1.4	357	17	2.3	0
29/03/2023 21:00	1.1	14	15	1.9	0
29/03/2023 21:10	2.2	17	12	3.2	0
29/03/2023 21:20	2	19	12	2.8	0
29/03/2023 21:30	2	25	11	2.8	0
29/03/2023 21:40	1.9	19	12	2.6	0
29/03/2023 21:50	1.7	16	11	2.4	0
29/03/2023 22:00	1.3	14	12	1.9	0
29/03/2023 22:10	1.9	21	11	2.9	0
29/03/2023 22:20	2.1	12	13	2.9	0
29/03/2023 22:30	2.3	16	10	3.2	0
29/03/2023 22:40	1.9	21	12	2.7	0
29/03/2023 22:50	1.8	19	11	2.5	0
29/03/2023 23:00	1.8	16	10	2.6	0
29/03/2023 23:10	2.1	22	10	3	0
29/03/2023 23:20	2.7	16	11	4	0
29/03/2023 23:30	2.7	10	11	3.8	0
29/03/2023 23:40	2.1	9	11	3.1	0
29/03/2023 23:50	1.8	15	13	2.8	0
30/03/2023 00:00	2.2	12	11	2.9	0
30/03/2023 00:10	2.5	12	9	3.4	0
30/03/2023 00:20	2.3	11	10	3.2	0
30/03/2023 00:30	2.7	7	10	4.1	0
30/03/2023 00:40	2.9	11	12	4	0
30/03/2023 00:50	2.9	11	13	4.4	0
30/03/2023 01:00	2.8	7	13	3.9	0
30/03/2023 01:10	2.7	13	10	3.6	0
30/03/2023 01:20	2.7	22	10	3.6	0
30/03/2023 01:30	2.8	19	12	4.2	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/03/2023 01:40	4	8	12	6	0
30/03/2023 01:50	3.8	9	11	5.4	0
30/03/2023 02:00	3	17	12	4.4	0
30/03/2023 02:10	2.9	7	10	4.2	0
30/03/2023 02:20	2.2	5	12	3.2	0
30/03/2023 02:30	2	182	13	2.9	0
30/03/2023 02:40	2	8	12	2.8	0
30/03/2023 02:50	1.5	353	20	2.7	0
30/03/2023 03:00	3.4	352	13	5.4	0
30/03/2023 03:10	3.7	349	11	5.2	0
30/03/2023 03:20	4.1	345	12	5.8	0
30/03/2023 03:30	3.4	336	14	5.1	0
30/03/2023 03:40	3.5	333	16	4.8	0
30/03/2023 03:50	3.5	333	11	5	0
30/03/2023 04:00	3	332	12	4.5	0
30/03/2023 04:10	3.3	335	13	5.1	0
30/03/2023 04:20	3.2	342	14	4.6	0
30/03/2023 04:30	3.1	336	13	4.3	0
30/03/2023 04:40	2.8	338	9	3.8	0
30/03/2023 04:50	2.9	337	15	4.4	0
30/03/2023 05:00	3	340	13	4.3	0
30/03/2023 05:10	3	340	11	4.4	0
30/03/2023 05:20	3.2	337	12	4.6	0
30/03/2023 05:30	3.3	353	13	4.8	0
30/03/2023 05:40	3.5	339	14	5.2	0
30/03/2023 05:50	3.6	338	13	5.3	0
30/03/2023 06:00	4.1	334	13	6.4	0
30/03/2023 06:10	3.7	329	14	4.9	0
30/03/2023 06:20	3.7	326	14	5.2	0
30/03/2023 06:30	4.6	327	13	6.4	0
30/03/2023 06:40	4.2	323	17	6.4	0
30/03/2023 06:50	4.7	325	16	8.7	0
30/03/2023 07:00	4.5	305	18	7.9	0
30/03/2023 07:10	3.7	298	21	6.7	0
30/03/2023 07:20	2.7	259	27	4.5	0
30/03/2023 07:30	1.9	284	24	3.5	0
30/03/2023 07:40	2	307	23	4.1	0
30/03/2023 07:50	2.3	317	20	4	0
30/03/2023 08:00	2	296	24	3.5	0.2
30/03/2023 08:10	1.9	241	30	3.3	0.3
30/03/2023 08:20	0.9	222	23	1.6	0
30/03/2023 08:30	1.1	294	36	2.8	0
30/03/2023 08:40	1.2	233	31	1.9	0
30/03/2023 08:50	4.2	175	24	9.4	1.8
30/03/2023 09:00	1.5	301	26	2.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/03/2023 09:10	2.2	298	25	4.5	0.3
30/03/2023 09:20	2.3	281	24	4.2	0
30/03/2023 09:30	1.9	281	31	3.6	0.1
30/03/2023 09:40	0.9	262	41	2.2	0
30/03/2023 09:50	1.7	294	22	3.1	0
30/03/2023 10:00	1.9	301	25	3.7	0
30/03/2023 10:10	1.7	284	27	3.2	0
30/03/2023 10:20	1.5	271	31	3.1	0
30/03/2023 10:30	0.8	245	35	2.4	0
30/03/2023 10:40	1	256	28	2	0
30/03/2023 10:50	0.7	238	33	2	0
30/03/2023 11:00	1.2	262	27	2.4	0
30/03/2023 11:10	1.3	269	34	2.3	0
30/03/2023 11:20	1.3	268	27	2	0
30/03/2023 11:30	1.3	261	39	2.3	0
30/03/2023 11:40	1.4	294	39	2.7	0
30/03/2023 11:50	1.5	263	42	3.2	0
30/03/2023 12:00	1.7	305	30	2.8	0
30/03/2023 12:10	1.9	268	35	2.9	0
30/03/2023 12:20	2.4	285	28	3.8	0
30/03/2023 12:30	2.6	320	21	4.4	0
30/03/2023 12:40	2.6	321	24	4	0
30/03/2023 12:50	3.2	322	17	6.2	0
30/03/2023 13:00	3.5	325	14	5.2	0
30/03/2023 13:10	3.7	321	22	5.9	0
30/03/2023 13:20	2.9	311	22	4.9	0
30/03/2023 13:30	3	309	24	5	0
30/03/2023 13:40	2.9	303	20	4.6	0
30/03/2023 13:50	2.8	312	22	4.5	0
30/03/2023 14:00	2.9	319	23	4.8	0
30/03/2023 14:10	2.7	313	26	4.5	0
30/03/2023 14:20	3.3	331	17	4.8	0
30/03/2023 14:30	3.9	335	15	5.7	0
30/03/2023 14:40	3.6	330	18	5.5	0
30/03/2023 14:50	2.9	325	20	4.4	0
30/03/2023 15:00	2.3	308	25	3.8	0
30/03/2023 15:10	2.6	297	26	4.5	0
30/03/2023 15:20	2.6	289	24	4.6	0
30/03/2023 15:30	2.4	289	35	4.2	0
30/03/2023 15:40	2.4	301	27	4	0
30/03/2023 15:50	2.4	300	21	3.9	0
30/03/2023 16:00	2.6	316	26	3.7	0
30/03/2023 16:10	3.1	326	18	4.8	0
30/03/2023 16:20	2.7	307	20	4.3	0
30/03/2023 16:30	2.3	283	27	3.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/03/2023 16:40	2.4	282	29	3.7	0
30/03/2023 16:50	2.5	296	25	4.2	0
30/03/2023 17:00	2.5	297	24	4.2	0
30/03/2023 17:10	2	285	31	3.3	0
30/03/2023 17:20	2.4	292	24	4	0
30/03/2023 17:30	2.2	292	26	3.7	0
30/03/2023 17:40	2.1	292	25	3.6	0
30/03/2023 17:50	2.1	283	27	3.2	0
30/03/2023 18:00	1.9	295	20	2.9	0
30/03/2023 18:10	1.6	293	33	3.1	0
30/03/2023 18:20	1.6	288	27	3	0
30/03/2023 18:30	1.3	288	21	2.4	0
30/03/2023 18:40	1.4	273	26	2.3	0
30/03/2023 18:50	1.2	250	39	1.9	0
30/03/2023 19:00	1.1	265	35	1.7	0
30/03/2023 19:10	0.9	259	35	1.8	0
30/03/2023 19:20	0.7	242	47	1.3	0
30/03/2023 19:30	0.6	251	40	1.5	0
30/03/2023 19:40	0.8	257	31	1.4	0
30/03/2023 19:50	0.2	240	16	0.9	0
30/03/2023 20:00	0.2	283	14	1.4	0
30/03/2023 20:10	0.2	176	4	0.8	0
30/03/2023 20:20	0.6	218	44	1.4	0
30/03/2023 20:30	0.6	262	34	1.5	0
30/03/2023 20:40	0.5	236	41	1.5	0
30/03/2023 20:50	0.5	245	65	1.2	0
30/03/2023 21:00	0.2	137	36	0.7	0
30/03/2023 21:10	0.6	336	44	1.2	0
30/03/2023 21:20	0.2	68	12	0.8	0
30/03/2023 21:30					0
30/03/2023 21:40	0	169	1	0.6	0
30/03/2023 21:50	0.4	160	4	0.6	0
30/03/2023 22:00					0
30/03/2023 22:10	0.6	196	8	0.9	0
30/03/2023 22:20	0.1	226	2	0.4	0
30/03/2023 22:30	0.4	211	4	1.1	0
30/03/2023 22:40	1.3	214	9	1.5	0
30/03/2023 22:50	1.4	206	11	1.9	0
30/03/2023 23:00	1	200	13	1.5	0
30/03/2023 23:10	0.6	228	21	1.3	0
30/03/2023 23:20	0.6	202	15	1.1	0
30/03/2023 23:30	0.7	200	8	1.2	0
30/03/2023 23:40	1	217	15	1.5	0
30/03/2023 23:50	0.7	239	25	1.2	0
31/03/2023 00:00	1.1	219	12	1.6	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/03/2023 00:10	1	204	12	1.2	0
31/03/2023 00:20	1	204	13	1.2	0
31/03/2023 00:30	0.9	207	11	1.3	0
31/03/2023 00:40	0.7	203	12	1.1	0
31/03/2023 00:50					0
31/03/2023 01:00	0.7	209	14	1.4	0
31/03/2023 01:10	1.2	207	12	1.6	0
31/03/2023 01:20	0.4	301	53	1.1	0
31/03/2023 01:30	0.3	183	6	1.1	0
31/03/2023 01:40	0.5	197	3	0.8	0
31/03/2023 01:50	0.7	221	8	1	0
31/03/2023 02:00	1	247	8	1.3	0
31/03/2023 02:10	1	251	6	1.2	0
31/03/2023 02:20	0.7	267	30	1.2	0
31/03/2023 02:30	0.7	234	16	1.4	0
31/03/2023 02:40	0.4	192	3	1.4	0
31/03/2023 02:50	1.3	233	13	1.6	0
31/03/2023 03:00	1.1	227	10	1.5	0
31/03/2023 03:10	0.3	238	3	0.9	0
31/03/2023 03:20	0.5	197	5	1.1	0
31/03/2023 03:30	1	202	9	1.2	0
31/03/2023 03:40	1.4	216	5	1.6	0
31/03/2023 03:50	1.1	214	10	1.5	0
31/03/2023 04:00	1.3	218	9	1.6	0
31/03/2023 04:10	1.4	219	9	1.8	0
31/03/2023 04:20	1.5	217	13	2	0
31/03/2023 04:30	1.3	210	30	2.3	0
31/03/2023 04:40	2.7	184	12	3.8	0
31/03/2023 04:50	3.2	185	12	4	0
31/03/2023 05:00	3	171	15	4.1	0
31/03/2023 05:10	3.3	165	12	4.5	0
31/03/2023 05:20	3.2	168	9	4.4	0
31/03/2023 05:30	3	168	11	4.4	0
31/03/2023 05:40	3	171	13	4.1	0
31/03/2023 05:50	2.6	170	12	3.5	0
31/03/2023 06:00	2.4	171	12	3.2	0
31/03/2023 06:10	2.6	177	14	3.4	0
31/03/2023 06:20	2.2	180	15	3.3	0
31/03/2023 06:30	2.3	176	11	3.1	0
31/03/2023 06:40	2.4	176	12	3.3	0
31/03/2023 06:50	1.9	167	12	2.6	0
31/03/2023 07:00	1.4	164	14	2	0
31/03/2023 07:10	1.4	158	17	2.3	0
31/03/2023 07:20	2	155	13	2.8	0
31/03/2023 07:30	1.7	148	21	2.6	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/03/2023 07:40	1.7	132	24	2.7	0
31/03/2023 07:50	1.9	112	16	2.4	0
31/03/2023 08:00	2	110	14	2.6	0
31/03/2023 08:10	1.8	118	22	2.9	0
31/03/2023 08:20	1.9	117	20	2.8	0
31/03/2023 08:30	2.2	115	17	3.2	0
31/03/2023 08:40	1.8	106	17	2.5	0
31/03/2023 08:50	2.1	117	21	3.2	0
31/03/2023 09:00	2.5	143	21	3.3	0
31/03/2023 09:10	2.8	145	18	4	0
31/03/2023 09:20	2.6	134	24	4	0
31/03/2023 09:30	2.5	97	20	3.7	0
31/03/2023 09:40	2.1	78	19	3	0
31/03/2023 09:50	2.3	97	20	3.3	0
31/03/2023 10:00	2.3	107	25	3.2	0
31/03/2023 10:10	1.6	91	41	2.8	0
31/03/2023 10:20	1.9	93	30	3	0
31/03/2023 10:30	1.6	141	26	2.6	0
31/03/2023 10:40	2.2	141	31	3.3	0
31/03/2023 10:50	2	131	33	3	0
31/03/2023 11:00	1.5	179	49	2.4	0
31/03/2023 11:10	2.8	177	17	4.2	0
31/03/2023 11:20	2.4	153	24	3.6	0
31/03/2023 11:30	2.2	160	23	3.2	0
31/03/2023 11:40	1.7	137	43	3.3	0
31/03/2023 11:50	1.5	276	62	3.2	0
31/03/2023 12:00	4	353	17	5.9	0
31/03/2023 12:10	4.1	175	15	5.8	0
31/03/2023 12:20	4.2	344	15	5.6	0
31/03/2023 12:30	3.2	322	21	5.3	0
31/03/2023 12:40	3.4	309	22	5.5	0
31/03/2023 12:50	3.5	319	16	5.3	0
31/03/2023 13:00	3.6	326	16	5.5	0
31/03/2023 13:10	3.2	324	21	5.2	0
31/03/2023 13:20	3.5	327	19	5.3	0
31/03/2023 13:30	3.8	334	17	5.4	0
31/03/2023 13:40	4.3	341	14	6.3	0
31/03/2023 13:50	3.6	343	15	5.1	0
31/03/2023 14:00	3.6	338	15	5.3	0
31/03/2023 14:10	3.8	340	12	5.6	0
31/03/2023 14:20	4.4	349	13	5.9	0
31/03/2023 14:30	3.9	350	13	5.6	0
31/03/2023 14:40	3.6	337	13	5.3	0
31/03/2023 14:50	3.4	336	14	4.8	0
31/03/2023 15:00	3.8	341	9	5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/03/2023 15:10	3.4	348	12	5	0
31/03/2023 15:20	3.3	347	13	4.5	0
31/03/2023 15:30	3.7	345	15	5.3	0
31/03/2023 15:40	3.6	348	14	5.3	0
31/03/2023 15:50	3.7	352	14	5.1	0
31/03/2023 16:00	3.9	360	14	5.4	0
31/03/2023 16:10	3.7	343	12	5.1	0
31/03/2023 16:20	3.6	352	19	5	0
31/03/2023 16:30	3.3	352	12	5.1	0
31/03/2023 16:40	3.5	355	12	5.2	0
31/03/2023 16:50	3.5	343	16	5	0
31/03/2023 17:00	3.8	337	13	5.2	0
31/03/2023 17:10	2.9	342	13	4	0
31/03/2023 17:20	3.2	338	11	4.4	0
31/03/2023 17:30	3.2	334	11	4.6	0
31/03/2023 17:40	3	341	11	4.1	0
31/03/2023 17:50	2.6	337	14	4.2	0
31/03/2023 18:00	2.5	340	12	4	0
31/03/2023 18:10	2.1	334	14	3.3	0
31/03/2023 18:20	2	338	14	3.4	0
31/03/2023 18:30	2.4	329	14	3.5	0
31/03/2023 18:40	1.9	341	12	3.1	0
31/03/2023 18:50	1.4	346	14	2.2	0
31/03/2023 19:00	1.7	339	9	2.4	0
31/03/2023 19:10	2	334	11	2.8	0
31/03/2023 19:20	2.1	334	11	2.8	0
31/03/2023 19:30	2	344	10	2.6	0
31/03/2023 19:40	1.4	352	12	2.2	0
31/03/2023 19:50	1.5	347	14	2.2	0
31/03/2023 20:00	2	341	11	2.9	0
31/03/2023 20:10	1	193	18	1.7	0
31/03/2023 20:20	0.9	175	20	1.6	0
31/03/2023 20:30	0.8	355	21	1.3	0
31/03/2023 20:40	0.2	71	13	0.7	0
31/03/2023 20:50	0.2	116	4	0.8	0
31/03/2023 21:00	0.3	217	25	0.8	0
31/03/2023 21:10	0.4	170	28	0.9	0
31/03/2023 21:20	0.2	191	9	0.8	0
31/03/2023 21:30	0.6	90	7	1.1	0
31/03/2023 21:40	0.3	89	7	0.9	0
31/03/2023 21:50					0
31/03/2023 22:00					0
31/03/2023 22:10	0.6	323	5	1	0
31/03/2023 22:20	0.8	313	13	1.2	0
31/03/2023 22:30	0.2	308	14	0.8	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
31/03/2023 22:40	0	320	5	0.4	0
31/03/2023 22:50					0
31/03/2023 23:00					0
31/03/2023 23:10					0
31/03/2023 23:20					0
31/03/2023 23:30					0
31/03/2023 23:40					0
31/03/2023 23:50					0
04/01/2023 00:00	0.5	300	6	1	0
04/01/2023 00:10	0.6	306	5	0.8	0
04/01/2023 00:20	0.1	333	2	0.6	0
04/01/2023 00:30					0
04/01/2023 00:40					0
04/01/2023 00:50	0	195	1	0.4	0
04/01/2023 01:00					0
04/01/2023 01:10					0
04/01/2023 01:20	0.1	242	2	0.4	0
04/01/2023 01:30					0
04/01/2023 01:40					0
04/01/2023 01:50					0
04/01/2023 02:00					0
04/01/2023 02:10					0
04/01/2023 02:20					0
04/01/2023 02:30					0
04/01/2023 02:40					0
04/01/2023 02:50	0.2	339	14	0.9	0
04/01/2023 03:00	0.1	351	6	0.8	0
04/01/2023 03:10					0
04/01/2023 03:20					0
04/01/2023 03:30	0	226	0	0.4	0
04/01/2023 03:40					0
04/01/2023 03:50					0
04/01/2023 04:00					0
04/01/2023 04:10					0
04/01/2023 04:20					0
04/01/2023 04:30					0
04/01/2023 04:40					0
04/01/2023 04:50					0
04/01/2023 05:00					0
04/01/2023 05:10					0
04/01/2023 05:20					0
04/01/2023 05:30					0
04/01/2023 05:40					0
04/01/2023 05:50					0
04/01/2023 06:00					0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/01/2023 06:10	0.1	197	2	1.4	0
04/01/2023 06:20	1.2	193	9	1.9	0
04/01/2023 06:30	1.7	200	11	2.1	0
04/01/2023 06:40	1.6	180	13	2.4	0
04/01/2023 06:50	1.9	167	14	3	0
04/01/2023 07:00	1.7	146	23	2.4	0
04/01/2023 07:10	1.9	155	18	3	0
04/01/2023 07:20	2.5	154	14	3.4	0
04/01/2023 07:30	2.4	154	14	3.4	0
04/01/2023 07:40	2.9	149	14	3.7	0
04/01/2023 07:50	2.4	138	19	3.6	0
04/01/2023 08:00	2.5	131	20	3.6	0
04/01/2023 08:10	2.2	140	22	3.7	0
04/01/2023 08:20	2.4	144	20	3.5	0
04/01/2023 08:30	2.3	131	27	3.4	0
04/01/2023 08:40	2.6	108	15	3.8	0
04/01/2023 08:50	2.1	109	16	3.2	0
04/01/2023 09:00	2.6	124	13	3.3	0
04/01/2023 09:10	2.1	105	25	2.9	0
04/01/2023 09:20	2.4	95	15	3.2	0
04/01/2023 09:30	2.3	102	21	3.3	0
04/01/2023 09:40	2.4	79	12	3	0
04/01/2023 09:50	2.1	104	26	3.5	0
04/01/2023 10:00	2.4	85	22	3.2	0
04/01/2023 10:10	2.4	79	15	3.3	0
04/01/2023 10:20	2.6	84	17	3.7	0
04/01/2023 10:30	2.4	84	16	3.6	0
04/01/2023 10:40	2.4	79	15	3.2	0
04/01/2023 10:50	2.4	87	19	3.6	0
04/01/2023 11:00	2.3	86	27	3.6	0
04/01/2023 11:10	2.6	67	17	3.6	0
04/01/2023 11:20	2.3	62	16	3.3	0
04/01/2023 11:30	2.3	84	22	3.2	0
04/01/2023 11:40	3	58	12	4	0
04/01/2023 11:50	3.3	55	14	4.5	0
04/01/2023 12:00	3.3	57	13	4.5	0
04/01/2023 12:10	3.7	58	12	4.9	0
04/01/2023 12:20	3.7	55	12	5.1	0
04/01/2023 12:30	3.6	56	13	4.8	0
04/01/2023 12:40	3.5	56	14	4.7	0
04/01/2023 12:50	3.7	42	15	4.9	0
04/01/2023 13:00	3.6	43	13	5.2	0
04/01/2023 13:10	3.7	55	14	4.8	0
04/01/2023 13:20	3.8	50	12	5.1	0
04/01/2023 13:30	3.7	47	14	5.1	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/01/2023 13:40	3.7	55	13	4.7	0
04/01/2023 13:50	3.5	50	15	5	0
04/01/2023 14:00	3.7	55	12	5	0
04/01/2023 14:10	3.7	56	12	4.7	0
04/01/2023 14:20	3.7	60	11	4.9	0
04/01/2023 14:30	3.6	57	13	4.8	0
04/01/2023 14:40	3.8	58	11	5.2	0
04/01/2023 14:50	3.6	55	12	4.7	0
04/01/2023 15:00	3.4	59	11	4.4	0
04/01/2023 15:10	3.2	60	12	4.3	0
04/01/2023 15:20	2.8	65	14	3.9	0
04/01/2023 15:30	2.6	49	15	3.6	0
04/01/2023 15:40	2.7	58	16	3.7	0
04/01/2023 15:50	2.9	42	12	3.6	0
04/01/2023 16:00	2.8	36	20	3.8	0
04/01/2023 16:10	1.9	23	35	3.1	0
04/01/2023 16:20	2.4	350	17	3.6	0
04/01/2023 16:30	2.2	323	25	3.6	0
04/01/2023 16:40	2.6	333	18	3.6	0
04/01/2023 16:50	2.4	338	18	3.4	0
04/01/2023 17:00	2.3	324	18	3.5	0
04/01/2023 17:10	2.2	330	18	3.4	0
04/01/2023 17:20	2	338	21	2.8	0
04/01/2023 17:30	2	339	13	2.9	0
04/01/2023 17:40	1.9	337	17	2.6	0
04/01/2023 17:50	2.3	350	17	3.1	0
04/01/2023 18:00	1.9	346	13	2.8	0
04/01/2023 18:10	1.9	332	12	2.7	0
04/01/2023 18:20	2.1	330	13	3	0
04/01/2023 18:30	2.1	332	13	3	0
04/01/2023 18:40	2.4	333	12	3.3	0
04/01/2023 18:50	2.2	336	12	3.2	0
04/01/2023 19:00	2.2	336	13	3.1	0
04/01/2023 19:10	2.2	339	13	3.2	0
04/01/2023 19:20	1.8	349	10	2.7	0
04/01/2023 19:30	2	354	9	2.4	0
04/01/2023 19:40	2.3	346	11	3.1	0
04/01/2023 19:50	2	335	12	2.7	0
04/01/2023 20:00	2	330	12	2.7	0
04/01/2023 20:10	1.9	322	14	3.2	0
04/01/2023 20:20	1.4	323	18	2	0
04/01/2023 20:30	1.8	328	14	2.8	0
04/01/2023 20:40	2.1	323	10	3	0
04/01/2023 20:50	1.7	321	15	2.4	0
04/01/2023 21:00	1.9	317	21	2.9	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/01/2023 21:10	1.7	297	22	2.3	0
04/01/2023 21:20	1.6	295	18	2.4	0
04/01/2023 21:30	1.5	309	17	2.1	0
04/01/2023 21:40	0.9	323	24	1.4	0
04/01/2023 21:50	1.3	326	13	1.8	0
04/01/2023 22:00	1.5	313	16	2.1	0
04/01/2023 22:10	1	309	22	1.6	0
04/01/2023 22:20	1.1	272	25	2	0
04/01/2023 22:30	1	263	29	1.6	0
04/01/2023 22:40	1.3	257	25	2.4	0
04/01/2023 22:50	1.4	257	30	2	0
04/01/2023 23:00	1.3	245	47	2.1	0
04/01/2023 23:10	1.3	254	40	2.1	0
04/01/2023 23:20	1.2	260	35	2.2	0
04/01/2023 23:30	1.1	262	36	1.9	0
04/01/2023 23:40	1.1	262	32	1.8	0
04/01/2023 23:50	0.6	225	48	1.1	0
04/02/2023 00:00	1.1	189	12	1.5	0
04/02/2023 00:10	1	189	14	1.6	0
04/02/2023 00:20	0.9	195	16	1.3	0
04/02/2023 00:30	0.5	191	11	1	0
04/02/2023 00:40	0.3	180	5	0.8	0
04/02/2023 00:50	0.3	211	10	1.1	0
04/02/2023 01:00	0.9	194	12	1.3	0
04/02/2023 01:10	1.1	195	10	1.6	0
04/02/2023 01:20	0.7	199	20	1.2	0
04/02/2023 01:30	1.2	197	10	1.6	0
04/02/2023 01:40	1.2	200	9	1.9	0
04/02/2023 01:50	1.3	194	9	1.8	0
04/02/2023 02:00	1	197	16	1.6	0
04/02/2023 02:10	0.9	192	21	1.6	0
04/02/2023 02:20	1.5	195	13	2	0
04/02/2023 02:30	1.1	200	20	1.6	0
04/02/2023 02:40	1.5	193	11	2.1	0
04/02/2023 02:50	1.5	192	9	2	0
04/02/2023 03:00	1.6	201	7	2	0
04/02/2023 03:10	2	191	11	3.1	0
04/02/2023 03:20	2.2	179	10	3.5	0
04/02/2023 03:30	2.2	190	10	2.8	0
04/02/2023 03:40	1.7	192	10	2.4	0
04/02/2023 03:50	1.9	187	14	2.8	0
04/02/2023 04:00	1.7	192	13	2.4	0
04/02/2023 04:10	1.9	198	9	2.7	0
04/02/2023 04:20	1.7	192	12	2.3	0
04/02/2023 04:30	1.6	193	14	2.3	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/02/2023 04:40	1.6	198	10	2.2	0
04/02/2023 04:50	1.7	196	9	2.2	0
04/02/2023 05:00	1.4	188	10	1.9	0
04/02/2023 05:10	1.5	193	14	2.2	0
04/02/2023 05:20	2	197	9	2.7	0
04/02/2023 05:30	1.6	199	13	2.3	0
04/02/2023 05:40	1.2	189	12	1.8	0
04/02/2023 05:50	1.4	196	11	2	0
04/02/2023 06:00	1.3	204	14	2	0
04/02/2023 06:10	1.4	208	16	2	0
04/02/2023 06:20	0.4	232	25	0.9	0
04/02/2023 06:30	1.1	211	24	2	0
04/02/2023 06:40	1.8	197	12	2.5	0
04/02/2023 06:50	1.9	198	10	2.5	0
04/02/2023 07:00	2	202	11	2.8	0
04/02/2023 07:10	2.4	199	7	3.1	0
04/02/2023 07:20	2.2	202	9	2.9	0
04/02/2023 07:30	1.8	200	18	3.1	0
04/02/2023 07:40	2.1	201	14	3.1	0
04/02/2023 07:50	2.4	197	12	3.4	0
04/02/2023 08:00	2.4	191	14	3.3	0
04/02/2023 08:10	2.7	196	12	3.7	0
04/02/2023 08:20	3	194	12	4.1	0
04/02/2023 08:30	3.1	197	11	4.3	0
04/02/2023 08:40	2.8	196	15	4	0
04/02/2023 08:50	3	194	14	4.5	0
04/02/2023 09:00	3	193	15	4.3	0
04/02/2023 09:10	2.9	187	16	4.1	0
04/02/2023 09:20	2.5	200	19	3.9	0
04/02/2023 09:30	2.4	183	22	3.8	0
04/02/2023 09:40	1.6	179	33	2.8	0
04/02/2023 09:50	1.8	180	28	3.1	0
04/02/2023 10:00	1.8	200	28	3	0
04/02/2023 10:10	2.1	210	26	3.5	0
04/02/2023 10:20	1.8	194	28	3.2	0
04/02/2023 10:30	2.7	192	17	3.9	0
04/02/2023 10:40	2.5	183	23	3.6	0
04/02/2023 10:50	2.7	197	18	3.9	0
04/02/2023 11:00	3.3	192	17	4.8	0
04/02/2023 11:10	3	192	20	4.5	0
04/02/2023 11:20	2.5	191	23	3.7	0
04/02/2023 11:30	2.4	209	23	4.2	0
04/02/2023 11:40	2.2	195	25	3.6	0
04/02/2023 11:50	1.7	279	53	3.2	0
04/02/2023 12:00	1.4	287	41	2.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/02/2023 12:10	1.9	286	33	3.3	0
04/02/2023 12:20	2.1	268	28	3.2	0
04/02/2023 12:30	1.9	316	38	3	0
04/02/2023 12:40	2.2	183	33	3.2	0
04/02/2023 12:50	2.1	38	25	3	0
04/02/2023 13:00	2.1	33	19	3.3	0
04/02/2023 13:10	1.6	296	45	2.9	0
04/02/2023 13:20	1.9	269	36	3.2	0
04/02/2023 13:30	2.5	329	29	4.4	0
04/02/2023 13:40	2.9	328	16	4.4	0
04/02/2023 13:50	2.8	316	30	4.1	0
04/02/2023 14:00	2.9	318	26	4.5	0
04/02/2023 14:10	3.2	330	17	4.8	0
04/02/2023 14:20	3.1	323	16	4.6	0
04/02/2023 14:30	2.7	305	25	4.5	0
04/02/2023 14:40	2.4	298	26	3.7	0
04/02/2023 14:50	2.6	285	25	4	0
04/02/2023 15:00	2.8	309	25	4.7	0
04/02/2023 15:10	2.7	304	28	4.8	0
04/02/2023 15:20	2.6	298	23	4.2	0
04/02/2023 15:30	2.4	298	27	4.1	0
04/02/2023 15:40	2.3	295	28	3.8	0
04/02/2023 15:50	2.7	309	22	4.4	0
04/02/2023 16:00	2.7	327	18	4.2	0
04/02/2023 16:10	2.7	319	24	4.2	0
04/02/2023 16:20	2.6	304	25	4.4	0
04/02/2023 16:30	2.4	309	25	3.8	0
04/02/2023 16:40	2.5	307	18	3.8	0
04/02/2023 16:50	2.3	294	20	3.6	0
04/02/2023 17:00	2.1	293	25	3.4	0
04/02/2023 17:10	2.2	290	25	3.2	0
04/02/2023 17:20	2	295	23	3.6	0
04/02/2023 17:30	2.5	297	22	4.2	0
04/02/2023 17:40	2.1	306	22	3.3	0
04/02/2023 17:50	2	301	21	3.5	0
04/02/2023 18:00	2.1	291	26	3.6	0
04/02/2023 18:10	2.2	303	23	3.8	0
04/02/2023 18:20	1.9	293	28	3.2	0
04/02/2023 18:30	2.3	300	23	3.4	0
04/02/2023 18:40	2.1	300	23	3.7	0
04/02/2023 18:50	1.9	299	23	3.3	0
04/02/2023 19:00	1.8	295	26	2.9	0
04/02/2023 19:10	1.9	285	25	3	0
04/02/2023 19:20	2	304	20	3.3	0
04/02/2023 19:30	1.7	306	22	2.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/02/2023 19:40	2.2	297	19	3.5	0
04/02/2023 19:50	2.4	304	15	3.2	0
04/02/2023 20:00	1.7	295	19	2.9	0
04/02/2023 20:10	1.9	285	23	3	0
04/02/2023 20:20	1.6	283	22	2.8	0
04/02/2023 20:30	2.2	275	18	3.2	0
04/02/2023 20:40	2	270	22	3.2	0
04/02/2023 20:50	1.7	264	22	2.8	0
04/02/2023 21:00	1.8	260	25	3.3	0
04/02/2023 21:10	1.6	265	34	2.8	0
04/02/2023 21:20	1.4	267	32	2.8	0
04/02/2023 21:30	1.3	272	32	2.4	0
04/02/2023 21:40	1.5	269	38	2.4	0
04/02/2023 21:50	1.5	264	37	2.6	0
04/02/2023 22:00	1.1	252	35	2	0
04/02/2023 22:10	1	257	49	2.6	0
04/02/2023 22:20	1	222	37	2	0
04/02/2023 22:30	1	253	65	1.7	0
04/02/2023 22:40	1.1	265	63	2.4	0
04/02/2023 22:50	0.6	164	59	1.5	0
04/02/2023 23:00	0.6	157	63	1.4	0
04/02/2023 23:10	0.7	121	73	1.4	0
04/02/2023 23:20	1	276	55	2	0
04/02/2023 23:30	0.8	313	75	2.5	0
04/02/2023 23:40	1.1	225	61	2	0
04/02/2023 23:50	1.1	183	55	2	0
04/03/2023 00:00	0.7	214	57	1.6	0
04/03/2023 00:10	1.2	188	26	1.8	0
04/03/2023 00:20	1	187	20	2	0
04/03/2023 00:30	0.7	237	63	1.7	0
04/03/2023 00:40	0.8	205	70	1.9	0
04/03/2023 00:50	1.1	269	43	2.2	0
04/03/2023 01:00	1	277	39	1.9	0
04/03/2023 01:10	1.1	257	48	2.2	0
04/03/2023 01:20	1.2	220	45	2	0
04/03/2023 01:30	1.2	230	50	2.4	0
04/03/2023 01:40	1	217	58	2.2	0
04/03/2023 01:50	0.8	185	48	2	0
04/03/2023 02:00	1.3	221	50	2.5	0
04/03/2023 02:10	1.2	229	59	2.6	0
04/03/2023 02:20	1.4	205	41	2.5	0
04/03/2023 02:30	1.2	202	42	3.1	0
04/03/2023 02:40	1.4	183	17	1.9	0
04/03/2023 02:50	0.8	187	30	1.7	0
04/03/2023 03:00	0.2	155	17	0.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/03/2023 03:10	1.4	198	31	2.8	0
04/03/2023 03:20	1.3	185	27	2.1	0
04/03/2023 03:30	1.8	197	25	2.9	0
04/03/2023 03:40	1.9	197	21	2.8	0
04/03/2023 03:50	2.6	195	18	4	0
04/03/2023 04:00	2.5	203	26	4.4	0
04/03/2023 04:10	2.2	204	25	4	0
04/03/2023 04:20	2.4	197	25	3.8	0
04/03/2023 04:30	2.2	202	25	3.2	0
04/03/2023 04:40	2.2	199	25	4.1	0
04/03/2023 04:50	1.9	210	33	3.8	0
04/03/2023 05:00	2.1	203	40	4.5	0
04/03/2023 05:10	1.8	200	42	3.6	0
04/03/2023 05:20	2.1	198	33	3.1	0
04/03/2023 05:30	2.6	200	20	4	0
04/03/2023 05:40	1.9	218	36	4	0
04/03/2023 05:50	1.8	197	28	3.2	0
04/03/2023 06:00	2.5	198	15	3.6	0
04/03/2023 06:10	2.5	209	25	4	0
04/03/2023 06:20	2.4	201	25	3.7	0
04/03/2023 06:30	2	203	23	3.6	0
04/03/2023 06:40	2	207	24	3.1	0
04/03/2023 06:50	1.8	215	34	3.3	0
04/03/2023 07:00	2.1	188	15	3.5	0
04/03/2023 07:10	2.1	202	15	3.2	0
04/03/2023 07:20	2.3	195	17	3.5	0
04/03/2023 07:30	2.7	190	14	4	0
04/03/2023 07:40	2.4	193	17	4.1	0
04/03/2023 07:50	3	196	16	4.8	0
04/03/2023 08:00	3.6	189	12	5.4	0
04/03/2023 08:10	3.6	194	13	5.1	0
04/03/2023 08:20	3.5	196	14	4.7	0
04/03/2023 08:30	3.2	196	13	4.1	0
04/03/2023 08:40	2.9	191	15	4.3	0
04/03/2023 08:50	3.3	193	14	4.7	0
04/03/2023 09:00	3	193	17	4.5	0
04/03/2023 09:10	3	188	13	4.3	0
04/03/2023 09:20	3.1	191	14	4.3	0
04/03/2023 09:30	3	194	16	4.5	0
04/03/2023 09:40	2.8	185	17	4	0
04/03/2023 09:50	2.7	195	18	4	0
04/03/2023 10:00	2.7	201	13	4	0
04/03/2023 10:10	2.4	202	19	3.7	0
04/03/2023 10:20	2.7	215	30	4.3	0
04/03/2023 10:30	3.2	205	18	4.7	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/03/2023 10:40	2.5	198	19	4	0
04/03/2023 10:50	2.6	188	17	4.3	0
04/03/2023 11:00	2.9	188	18	4.4	0
04/03/2023 11:10	2.8	203	25	4.4	0
04/03/2023 11:20	2.6	200	18	3.7	0
04/03/2023 11:30	2	216	42	3.2	0
04/03/2023 11:40	1.6	266	40	3.5	0
04/03/2023 11:50	2.1	258	21	3.7	0
04/03/2023 12:00	2.4	277	26	3.6	0
04/03/2023 12:10	2.7	284	23	4.4	0
04/03/2023 12:20	2.4	274	27	4	0
04/03/2023 12:30	2.4	272	29	3.8	0
04/03/2023 12:40	2.7	285	31	4.2	0
04/03/2023 12:50	2.7	278	28	4.4	0
04/03/2023 13:00	3	260	20	4.5	0
04/03/2023 13:10	2.4	274	24	4	0
04/03/2023 13:20	2.9	292	25	5.4	0
04/03/2023 13:30	3.2	269	24	4.5	0
04/03/2023 13:40	3	282	21	4.6	0
04/03/2023 13:50	2.6	280	26	3.8	0
04/03/2023 14:00	2.5	277	25	4.7	0
04/03/2023 14:10	2.6	284	24	4.8	0
04/03/2023 14:20	2.8	301	27	4.7	0
04/03/2023 14:30	3.3	317	24	5	0
04/03/2023 14:40	3.4	318	18	5.1	0
04/03/2023 14:50	4.1	331	14	5.9	0
04/03/2023 15:00	3.5	324	18	5.4	0
04/03/2023 15:10	3.3	313	21	5.3	0
04/03/2023 15:20	3.8	325	13	5.1	0
04/03/2023 15:30	3.7	322	17	6	0
04/03/2023 15:40	4.2	334	12	6	0
04/03/2023 15:50	4.8	331	14	6.4	0
04/03/2023 16:00	3.9	322	17	5.7	0
04/03/2023 16:10	4.6	332	13	6.8	0
04/03/2023 16:20	4.7	337	16	6.6	0
04/03/2023 16:30	4.9	332	15	6.7	0
04/03/2023 16:40	5.1	335	13	6.5	0
04/03/2023 16:50	4.6	332	15	6.5	0
04/03/2023 17:00	4.2	329	14	5.9	0
04/03/2023 17:10	4.1	324	15	6.1	0
04/03/2023 17:20	4.3	335	12	6.1	0
04/03/2023 17:30	3.8	328	14	5.6	0
04/03/2023 17:40	3.7	332	15	5.3	0
04/03/2023 17:50	3.4	322	17	5.2	0
04/03/2023 18:00	4	332	12	5.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/03/2023 18:10	3.7	330	13	5.2	0
04/03/2023 18:20	3	323	18	4.7	0
04/03/2023 18:30	3.3	328	14	4.9	0
04/03/2023 18:40	3.5	327	12	5	0
04/03/2023 18:50	2.9	324	17	4.5	0
04/03/2023 19:00	2.3	315	22	4.1	0
04/03/2023 19:10	2.4	306	24	4	0
04/03/2023 19:20	2.2	312	24	3.7	0
04/03/2023 19:30	2.2	300	23	4	0
04/03/2023 19:40	2.4	276	24	4	0
04/03/2023 19:50	2.4	273	26	4	0
04/03/2023 20:00	2	273	21	3.3	0
04/03/2023 20:10	2.2	271	25	3.6	0
04/03/2023 20:20	2	276	27	3.6	0
04/03/2023 20:30	1.9	278	22	2.9	0
04/03/2023 20:40	1.8	267	33	3.4	0
04/03/2023 20:50	2.4	265	24	3.6	0
04/03/2023 21:00	1.9	271	28	3.2	0
04/03/2023 21:10	1.9	270	28	3	0
04/03/2023 21:20	2.4	267	21	3.8	0
04/03/2023 21:30	2.2	269	23	3.8	0
04/03/2023 21:40	1.7	272	33	3.1	0
04/03/2023 21:50	1.8	274	34	3.1	0
04/03/2023 22:00	1.8	269	29	2.9	0
04/03/2023 22:10	1.6	263	25	2.8	0
04/03/2023 22:20	1.6	270	40	3.2	0
04/03/2023 22:30	1.8	262	32	3.2	0
04/03/2023 22:40	1.6	266	42	3.2	0
04/03/2023 22:50	1.8	270	38	3.4	0
04/03/2023 23:00	1.9	274	31	3.5	0
04/03/2023 23:10	1.8	264	28	3.2	0
04/03/2023 23:20	1.9	259	39	3.5	0
04/03/2023 23:30	1.7	261	43	3.4	0
04/03/2023 23:40	1.1	256	64	2.1	0
04/03/2023 23:50	0.6	282	35	1.5	0
04/04/2023 00:00	0.7	222	51	1.6	0
04/04/2023 00:10	1.1	270	61	2.3	0
04/04/2023 00:20	0.6	219	52	1.2	0
04/04/2023 00:30	0.6	273	69	2	0
04/04/2023 00:40	1	197	40	1.8	0
04/04/2023 00:50	1	188	29	1.6	0
04/04/2023 01:00	0.8	207	56	1.3	0
04/04/2023 01:10	0.9	210	50	1.8	0
04/04/2023 01:20	1.3	190	14	2	0
04/04/2023 01:30	1	191	37	2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/04/2023 01:40	1.9	196	20	2.9	0
04/04/2023 01:50	2.5	199	19	4.2	0
04/04/2023 02:00	2.7	199	18	4.4	0
04/04/2023 02:10	3	191	17	4.3	0
04/04/2023 02:20	2.9	198	17	4.4	0
04/04/2023 02:30	2.2	206	28	4.1	0
04/04/2023 02:40	2.3	206	27	4	0
04/04/2023 02:50	1.9	210	29	3.2	0
04/04/2023 03:00	2	201	27	4.2	0
04/04/2023 03:10	2	197	26	3.6	0
04/04/2023 03:20	2.2	204	23	3.4	0
04/04/2023 03:30	1.5	207	32	2.8	0
04/04/2023 03:40	0.9	194	63	2	0
04/04/2023 03:50	1.6	207	53	3	0
04/04/2023 04:00	1.9	208	32	3.2	0
04/04/2023 04:10	1.4	220	44	2.9	0
04/04/2023 04:20	1.7	212	33	2.8	0
04/04/2023 04:30	1.1	192	33	2.4	0
04/04/2023 04:40	0.6	223	58	1.7	0
04/04/2023 04:50	1.2	235	42	2.5	0
04/04/2023 05:00	0.6	194	57	1.3	0
04/04/2023 05:10	0.5	265	42	1.2	0
04/04/2023 05:20	0.6	243	52	1.2	0
04/04/2023 05:30	0.6	224	38	1.6	0
04/04/2023 05:40	0.7	251	33	1.5	0
04/04/2023 05:50	0.5	229	16	1.2	0
04/04/2023 06:00	1.1	200	35	2	0
04/04/2023 06:10	0.7	225	54	1.6	0
04/04/2023 06:20	1.5	192	20	2.7	0
04/04/2023 06:30	1	193	38	2.4	0
04/04/2023 06:40	1.3	215	47	2.4	0
04/04/2023 06:50	1.4	214	35	2.3	0
04/04/2023 07:00	1.2	225	47	2.6	0
04/04/2023 07:10	1.3	225	40	2.5	0
04/04/2023 07:20	1.8	203	24	3.3	0
04/04/2023 07:30	2.1	211	25	3.4	0
04/04/2023 07:40	2.2	198	15	3	0
04/04/2023 07:50	2	204	22	3.3	0
04/04/2023 08:00	1.7	202	27	2.8	0
04/04/2023 08:10	1.7	206	29	3.3	0
04/04/2023 08:20	2.1	214	24	3.6	0
04/04/2023 08:30	2.4	219	25	3.9	0
04/04/2023 08:40	2.1	213	30	3.4	0
04/04/2023 08:50	2.7	203	19	3.6	0
04/04/2023 09:00	2.5	202	21	3.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/04/2023 09:10	2.2	198	19	3.8	0
04/04/2023 09:20	2.5	198	19	4	0
04/04/2023 09:30	2.8	198	14	4.5	0
04/04/2023 09:40	2.7	200	19	4.2	0
04/04/2023 09:50	2.8	204	16	4.1	0
04/04/2023 10:00	2.5	199	15	3.6	0
04/04/2023 10:10	2.8	202	11	3.9	0
04/04/2023 10:20	2.3	198	16	3.7	0
04/04/2023 10:30	1.9	228	29	3.1	0
04/04/2023 10:40	1.6	250	32	2.7	0
04/04/2023 10:50	1.9	193	21	3.2	0
04/04/2023 11:00	1.5	224	38	3	0
04/04/2023 11:10	1.2	270	44	2.6	0
04/04/2023 11:20	1.9	277	28	3.5	0
04/04/2023 11:30	1.8	282	32	2.9	0
04/04/2023 11:40	1.9	295	26	3.2	0
04/04/2023 11:50	2.2	270	29	3.5	0
04/04/2023 12:00	2.2	276	25	3.8	0
04/04/2023 12:10	2.5	266	25	4.1	0
04/04/2023 12:20	2.4	279	26	4	0
04/04/2023 12:30	2.3	310	30	3.9	0
04/04/2023 12:40	2.1	299	28	3.4	0
04/04/2023 12:50	1.9	270	34	3.4	0
04/04/2023 13:00	3	308	26	4.3	0
04/04/2023 13:10	2.8	322	27	4.3	0
04/04/2023 13:20	3.1	328	17	4.9	0
04/04/2023 13:30	2.6	292	27	4	0
04/04/2023 13:40	2.6	310	24	4.8	0
04/04/2023 13:50	2.7	308	29	4.4	0
04/04/2023 14:00	3.3	311	22	4.8	0
04/04/2023 14:10	3.3	306	24	5.2	0
04/04/2023 14:20	3.5	319	19	5.1	0
04/04/2023 14:30	3.3	302	21	5.9	0
04/04/2023 14:40	3.1	296	19	5.2	0
04/04/2023 14:50	3.4	305	20	5.1	0
04/04/2023 15:00	3.9	323	20	5.7	0
04/04/2023 15:10	3.5	310	32	5.9	0
04/04/2023 15:20	4	327	15	6	0
04/04/2023 15:30	3.6	314	24	5.8	0
04/04/2023 15:40	3.1	317	21	5.4	0
04/04/2023 15:50	3.6	312	20	6	0
04/04/2023 16:00	3.5	312	17	5.6	0
04/04/2023 16:10	2.9	304	23	5.2	0
04/04/2023 16:20	3.3	298	20	5.9	0
04/04/2023 16:30	3.2	307	20	5.2	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/04/2023 16:40	2.8	306	23	4.3	0
04/04/2023 16:50	3.3	306	20	5.6	0
04/04/2023 17:00	3.5	300	22	5.6	0
04/04/2023 17:10	3.3	288	22	5.7	0
04/04/2023 17:20	3.3	296	19	4.8	0
04/04/2023 17:30	2.7	290	23	4.7	0
04/04/2023 17:40	2.7	290	24	4.7	0
04/04/2023 17:50	2.6	290	23	4.5	0
04/04/2023 18:00	2.2	286	32	3.5	0
04/04/2023 18:10	3.4	303	20	5.1	0
04/04/2023 18:20	3.3	299	22	4.9	0
04/04/2023 18:30	2.7	297	25	4.7	0
04/04/2023 18:40	2.6	286	22	4	0
04/04/2023 18:50	2.6	267	22	4.3	0
04/04/2023 19:00	2.4	275	24	4	0
04/04/2023 19:10	2.6	274	21	4.2	0
04/04/2023 19:20	2.7	278	24	4.3	0
04/04/2023 19:30	2.3	285	23	3.6	0
04/04/2023 19:40	2.1	273	26	3.4	0
04/04/2023 19:50	2.5	279	21	4	0
04/04/2023 20:00	2.4	277	23	3.7	0
04/04/2023 20:10	2.4	278	23	4.1	0
04/04/2023 20:20	2.7	272	22	3.9	0
04/04/2023 20:30	2.1	275	24	4	0
04/04/2023 20:40	2.4	274	24	4.3	0
04/04/2023 20:50	2.4	266	23	4.2	0
04/04/2023 21:00	2.7	268	23	4.4	0
04/04/2023 21:10	2.7	269	22	4.1	0
04/04/2023 21:20	2.2	266	28	3.8	0
04/04/2023 21:30	2.2	266	31	4.1	0
04/04/2023 21:40	1.8	255	44	3.5	0
04/04/2023 21:50	1.7	250	48	3.3	0
04/04/2023 22:00	1.7	270	59	3.6	0
04/04/2023 22:10	1.4	268	57	2.8	0
04/04/2023 22:20	1.5	230	58	3.1	0
04/04/2023 22:30	1	220	60	2	0
04/04/2023 22:40	1.1	207	45	2	0
04/04/2023 22:50	1.3	229	66	3	0
04/04/2023 23:00	1.3	213	60	2.5	0
04/04/2023 23:10	1.2	214	69	2.9	0
04/04/2023 23:20	1.1	260	65	2.2	0
04/04/2023 23:30	1	229	68	1.8	0
04/04/2023 23:40	1.1	201	45	2.1	0
04/04/2023 23:50	1	208	60	2.2	0
04/05/2023 00:00	1.2	192	32	2.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/05/2023 00:10	0.7	258	57	1.6	0
04/05/2023 00:20	1.3	204	40	2.6	0
04/05/2023 00:30	1	219	38	2.5	0
04/05/2023 00:40	1.3	249	52	2.5	0
04/05/2023 00:50	1.2	250	51	2.4	0
04/05/2023 01:00	0.9	208	70	1.9	0
04/05/2023 01:10	0.7	258	66	2	0
04/05/2023 01:20	0.9	231	54	1.7	0
04/05/2023 01:30	1	277	49	2	0
04/05/2023 01:40	1.1	235	46	2.4	0
04/05/2023 01:50	1.3	273	38	2.4	0
04/05/2023 02:00	0.9	192	47	1.8	0
04/05/2023 02:10	0.8	205	75	1.7	0
04/05/2023 02:20	0.6	240	62	2	0
04/05/2023 02:30	1	202	43	2.1	0
04/05/2023 02:40	0.5	188	45	1.2	0
04/05/2023 02:50	1.3	189	23	2.1	0
04/05/2023 03:00	1.2	194	48	2.5	0
04/05/2023 03:10	1.1	204	52	2.2	0
04/05/2023 03:20	1.1	193	52	2	0
04/05/2023 03:30	1.4	224	52	2.9	0
04/05/2023 03:40	1.4	210	44	2.8	0
04/05/2023 03:50	1.5	195	34	2.8	0
04/05/2023 04:00	2	213	28	3.4	0
04/05/2023 04:10	1.6	219	47	2.7	0
04/05/2023 04:20	1.5	208	43	2.6	0
04/05/2023 04:30	1.1	203	58	2.8	0
04/05/2023 04:40	1.5	208	45	3	0
04/05/2023 04:50	1.4	213	54	2.6	0
04/05/2023 05:00	0.8	146	75	1.5	0
04/05/2023 05:10	1.2	198	37	2.6	0
04/05/2023 05:20	2	203	29	3.2	0
04/05/2023 05:30	1.4	223	47	3.1	0
04/05/2023 05:40	1.5	202	35	2.8	0
04/05/2023 05:50	1.3	202	44	2.9	0
04/05/2023 06:00	1.4	218	41	3.2	0
04/05/2023 06:10	0.7	223	73	1.6	0
04/05/2023 06:20	1.1	179	43	2.4	0
04/05/2023 06:30	1.4	203	31	2.6	0
04/05/2023 06:40	1.6	197	29	2.8	0
04/05/2023 06:50	1.6	205	34	2.7	0
04/05/2023 07:00	1.8	204	29	3.4	0
04/05/2023 07:10	2.3	197	17	3.6	0
04/05/2023 07:20	1.6	190	19	2.4	0
04/05/2023 07:30	2	192	16	3.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/05/2023 07:40	2.3	199	19	3.6	0
04/05/2023 07:50	2	192	21	3.1	0
04/05/2023 08:00	1.3	199	30	2.3	0
04/05/2023 08:10	1.9	189	29	3.2	0
04/05/2023 08:20	2	189	24	3.2	0
04/05/2023 08:30	2.4	197	18	3.5	0
04/05/2023 08:40	1.8	207	33	2.8	0
04/05/2023 08:50	2.2	188	15	3.6	0
04/05/2023 09:00	2.2	191	12	3.6	0
04/05/2023 09:10	1.7	225	31	2.8	0
04/05/2023 09:20	1.4	222	39	2.3	0
04/05/2023 09:30	1.5	252	46	2.8	0
04/05/2023 09:40	1.7	219	42	2.9	0
04/05/2023 09:50	1.5	241	38	2.8	0
04/05/2023 10:00	1.8	223	36	2.8	0
04/05/2023 10:10	1.8	205	26	3	0
04/05/2023 10:20	2.5	196	23	3.6	0
04/05/2023 10:30	2	216	33	3.6	0
04/05/2023 10:40	2	282	34	3.6	0
04/05/2023 10:50	2	286	27	3.2	0
04/05/2023 11:00	2.3	290	27	3.4	0
04/05/2023 11:10	2.3	295	22	3.7	0
04/05/2023 11:20	1.7	284	32	3	0
04/05/2023 11:30	2.3	295	28	4	0
04/05/2023 11:40	2	286	34	3.2	0
04/05/2023 11:50	2.5	285	31	4.1	0
04/05/2023 12:00	2.3	277	33	3.6	0
04/05/2023 12:10	2.3	277	28	3.7	0
04/05/2023 12:20	2.4	264	24	4.2	0
04/05/2023 12:30	2	295	32	3.5	0
04/05/2023 12:40	2.3	281	36	3.4	0
04/05/2023 12:50	2.4	288	37	3.7	0
04/05/2023 13:00	2.6	290	33	3.8	0
04/05/2023 13:10	2.5	316	24	4.2	0
04/05/2023 13:20	3.2	335	27	5.4	0
04/05/2023 13:30	3.4	342	23	5	0
04/05/2023 13:40	3.8	335	15	5.6	0
04/05/2023 13:50	3.8	329	17	5.4	0
04/05/2023 14:00	3.2	314	23	4.8	0
04/05/2023 14:10	3.8	325	16	5.3	0
04/05/2023 14:20	3.1	308	24	5.1	0
04/05/2023 14:30	2.6	303	24	4	0
04/05/2023 14:40	3.8	324	15	5.6	0
04/05/2023 14:50	3.7	323	15	5.3	0
04/05/2023 15:00	3.8	325	16	5.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/05/2023 15:10	3.9	320	17	5.3	0
04/05/2023 15:20	4.2	322	16	6	0
04/05/2023 15:30	3.5	316	19	5.7	0
04/05/2023 15:40	3.7	301	20	5.3	0
04/05/2023 15:50	4.1	302	17	6.4	0
04/05/2023 16:00	4	299	19	6	0
04/05/2023 16:10	3.8	301	22	6.3	0
04/05/2023 16:20	3.5	273	21	5.3	0
04/05/2023 16:30	3.5	289	20	6	0
04/05/2023 16:40	3.1	293	26	5.1	0
04/05/2023 16:50	3.3	293	24	5.5	0
04/05/2023 17:00	3.5	291	25	5.6	0
04/05/2023 17:10	3.7	293	21	5.7	0
04/05/2023 17:20	3.1	283	24	5.6	0
04/05/2023 17:30	3.7	296	22	5.2	0
04/05/2023 17:40	3.3	293	25	5.6	0
04/05/2023 17:50	3.9	302	15	5.6	0
04/05/2023 18:00	3	275	22	4.9	0
04/05/2023 18:10	3	276	25	5.4	0
04/05/2023 18:20	2.7	263	27	4.4	0
04/05/2023 18:30	3.2	271	29	5.2	0
04/05/2023 18:40	2.8	270	28	4.9	0
04/05/2023 18:50	3.1	267	25	5.3	0
04/05/2023 19:00	2.9	274	25	4.4	0
04/05/2023 19:10	3	271	22	5	0
04/05/2023 19:20	3	266	25	5	0
04/05/2023 19:30	3	273	28	5.1	0
04/05/2023 19:40	3.1	268	29	5	0
04/05/2023 19:50	2.8	270	26	4.9	0
04/05/2023 20:00	3.1	271	26	4.7	0
04/05/2023 20:10	3.1	270	32	5.1	0
04/05/2023 20:20	2.8	264	31	4.9	0
04/05/2023 20:30	3	266	28	5	0
04/05/2023 20:40	3.1	273	23	4.8	0
04/05/2023 20:50	2.9	270	32	4.7	0
04/05/2023 21:00	2.5	270	43	4.9	0
04/05/2023 21:10	2.2	274	51	4.2	0
04/05/2023 21:20	2.3	274	40	4.3	0
04/05/2023 21:30	2.1	270	49	4.3	0
04/05/2023 21:40	1.3	229	68	2.4	0
04/05/2023 21:50	1.4	228	68	3.2	0
04/05/2023 22:00	2	243	46	4	0
04/05/2023 22:10	2	251	48	4.8	0
04/05/2023 22:20	2	252	50	3.7	0
04/05/2023 22:30	1.4	205	60	2.9	0





Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/05/2023 22:40	1.6	256	54	2.8	0
04/05/2023 22:50	1.2	213	68	2.1	0
04/05/2023 23:00	1.1	179	61	2	0
04/05/2023 23:10	1	203	66	1.9	0
04/05/2023 23:20	1.4	197	48	2.8	0
04/05/2023 23:30	1.4	205	41	3	0
04/05/2023 23:40	1.1	199	58	2.4	0
04/05/2023 23:50	1.4	221	52	2.7	0
04/06/2023 00:00	1.4	205	44	2.4	0
04/06/2023 00:10	1.1	187	59	2	0
04/06/2023 00:20	1.1	140	83	3.1	0
04/06/2023 00:30	0.8	179	76	1.6	0
04/06/2023 00:40	0.9	277	78	2.1	0
04/06/2023 00:50	1.5	220	53	3.3	0
04/06/2023 01:00	1.4	197	64	2.4	0
04/06/2023 01:10	1.8	246	42	4.1	0
04/06/2023 01:20	1.7	226	53	3.2	0
04/06/2023 01:30	1.8	223	41	3.4	0
04/06/2023 01:40	1.4	200	69	3.1	0
04/06/2023 01:50	1.3	244	64	2.3	0
04/06/2023 02:00	1.4	226	48	2.8	0
04/06/2023 02:10	1.7	234	54	4.5	0
04/06/2023 02:20	1.5	241	50	3.4	0
04/06/2023 02:30	1.3	211	64	2.4	0
04/06/2023 02:40	1.4	234	56	2.7	0
04/06/2023 02:50	1.4	206	43	3.2	0
04/06/2023 03:00	1.7	215	44	3.7	0
04/06/2023 03:10	1.7	216	45	3.5	0
04/06/2023 03:20	1.3	214	70	2.4	0
04/06/2023 03:30	1.3	226	66	3.2	0
04/06/2023 03:40	1.4	200	56	3.6	0
04/06/2023 03:50	1.4	255	57	2.7	0
04/06/2023 04:00	0.9	271	82	2.5	0
04/06/2023 04:10	1.4	259	42	2.8	0
04/06/2023 04:20	1.5	273	38	2.5	0
04/06/2023 04:30	0.9	100	80	2	0
04/06/2023 04:40	1.4	278	37	2.7	0
04/06/2023 04:50	1.1	268	62	2.3	0
04/06/2023 05:00	0.7	176	75	1.5	0
04/06/2023 05:10	0.8	152	83	1.5	0
04/06/2023 05:20	1.2	283	39	2.2	0
04/06/2023 05:30	1.1	277	40	1.9	0
04/06/2023 05:40	1.4	292	18	2.4	0
04/06/2023 05:50	1.2	271	35	2	0
04/06/2023 06:00	1.4	279	20	2.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/06/2023 06:10	0.7	283	25	1.3	0
04/06/2023 06:20	1.1	301	24	1.6	0
04/06/2023 06:30	1.4	297	11	1.9	0
04/06/2023 06:40	1.3	282	12	1.9	0
04/06/2023 06:50	1.2	255	28	2.4	0
04/06/2023 07:00	1	286	32	1.6	0
04/06/2023 07:10	1.3	284	17	1.7	0
04/06/2023 07:20	1.6	285	13	2.2	0
04/06/2023 07:30	1.8	285	14	2.5	0
04/06/2023 07:40	1.3	285	25	2	0
04/06/2023 07:50	1.7	279	18	2.5	0
04/06/2023 08:00	1.4	277	24	2.3	0
04/06/2023 08:10	1.4	270	28	2.2	0
04/06/2023 08:20	1.4	251	39	2.3	0
04/06/2023 08:30	1.3	197	24	2	0
04/06/2023 08:40	1.5	195	27	2.3	0
04/06/2023 08:50	1.2	195	26	2.8	0
04/06/2023 09:00	1.6	222	28	2.9	0
04/06/2023 09:10	1.6	206	24	2.5	0
04/06/2023 09:20	1.2	220	52	2.2	0
04/06/2023 09:30	1.2	211	41	2.6	0
04/06/2023 09:40	1.1	235	48	1.9	0
04/06/2023 09:50	1	180	50	1.9	0
04/06/2023 10:00	1.8	44	21	2.6	0
04/06/2023 10:10	1.6	47	22	2.3	0
04/06/2023 10:20	1.9	51	14	2.4	0
04/06/2023 10:30	2	50	10	2.4	0
04/06/2023 10:40	1.9	56	14	2.5	0
04/06/2023 10:50	2	56	17	2.7	0
04/06/2023 11:00	1.9	53	17	2.6	0
04/06/2023 11:10	2.1	57	16	2.8	0
04/06/2023 11:20	1.9	48	15	2.6	0
04/06/2023 11:30	1.9	53	13	2.4	0
04/06/2023 11:40	1.8	50	18	2.8	0
04/06/2023 11:50	1.8	34	44	2.4	0
04/06/2023 12:00	1.7	299	45	2.7	0
04/06/2023 12:10	2	293	29	3.3	0
04/06/2023 12:20	2.5	300	22	3.4	0
04/06/2023 12:30	2.1	302	22	3.4	0
04/06/2023 12:40	2.2	282	29	3.7	0
04/06/2023 12:50	2.5	279	24	4	0
04/06/2023 13:00	2.3	265	34	3.7	0
04/06/2023 13:10	2.7	266	23	4.2	0
04/06/2023 13:20	2.7	284	31	3.9	0
04/06/2023 13:30	3	285	22	4.9	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/06/2023 13:40	2.8	290	24	4.4	0
04/06/2023 13:50	3	277	24	4.4	0
04/06/2023 14:00	2.8	274	23	4.2	0
04/06/2023 14:10	3.1	270	21	4.7	0
04/06/2023 14:20	3.2	280	24	4.8	0
04/06/2023 14:30	3.3	272	23	5.3	0
04/06/2023 14:40	3.1	281	26	4.9	0
04/06/2023 14:50	3.2	272	24	5.2	0
04/06/2023 15:00	3.1	276	25	5.6	0
04/06/2023 15:10	3.8	276	23	5.8	0
04/06/2023 15:20	3.7	278	22	5.6	0
04/06/2023 15:30	3.7	273	24	6	0
04/06/2023 15:40	4.2	275	17	6.4	0
04/06/2023 15:50	3.2	274	26	5.2	0
04/06/2023 16:00	3.1	272	34	6	0
04/06/2023 16:10	4.4	269	22	6.4	0
04/06/2023 16:20	3.8	268	32	6	0
04/06/2023 16:30	4	275	21	7	0
04/06/2023 16:40	3.6	266	40	6.4	0
04/06/2023 16:50	3.3	261	41	5.2	0
04/06/2023 17:00	2.7	247	52	5.6	0
04/06/2023 17:10	4.1	279	21	6.9	0
04/06/2023 17:20	3.9	264	23	6.6	0
04/06/2023 17:30	3.4	275	22	6.4	0
04/06/2023 17:40	3.5	271	31	5.8	0
04/06/2023 17:50	4.2	275	24	6.3	0
04/06/2023 18:00	3.5	269	26	5.9	0
04/06/2023 18:10	3.5	269	27	5.9	0
04/06/2023 18:20	3	265	37	5.9	0
04/06/2023 18:30	3.7	274	25	5.5	0
04/06/2023 18:40	3.5	274	24	5.8	0
04/06/2023 18:50	3.5	278	25	5.7	0
04/06/2023 19:00	3.2	273	29	5.2	0
04/06/2023 19:10	3.1	275	27	5.6	0
04/06/2023 19:20	2	232	63	4.1	0
04/06/2023 19:30	2.2	255	41	4.4	0
04/06/2023 19:40	2.6	250	38	5.2	0
04/06/2023 19:50	2.3	245	56	4.4	0
04/06/2023 20:00	2.2	243	44	4.6	0
04/06/2023 20:10	2.3	258	41	4.3	0
04/06/2023 20:20	1.9	270	40	3.6	0
04/06/2023 20:30	1.5	252	53	3.2	0
04/06/2023 20:40	2.1	231	56	4.4	0
04/06/2023 20:50	1.8	244	53	3.6	0
04/06/2023 21:00	1.3	232	53	2.8	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/06/2023 21:10	1.7	234	65	3.4	0
04/06/2023 21:20	1.6	235	54	3.1	0
04/06/2023 21:30	1.9	225	46	3.7	0
04/06/2023 21:40	1.9	230	63	4.2	0
04/06/2023 21:50	1.8	237	43	3.7	0
04/06/2023 22:00	1.4	241	59	2.8	0
04/06/2023 22:10	1.6	252	54	3.8	0
04/06/2023 22:20	1.8	255	53	4	0
04/06/2023 22:30	1.6	237	57	3.5	0
04/06/2023 22:40	1.5	267	59	3.9	0
04/06/2023 22:50	1.3	241	55	2.5	0
04/06/2023 23:00	1.4	268	52	2.8	0
04/06/2023 23:10	1.2	271	46	2.6	0
04/06/2023 23:20	1.1	256	63	2	0
04/06/2023 23:30	1.3	262	56	3.1	0
04/06/2023 23:40	1	220	53	2.3	0
04/06/2023 23:50	1	208	48	2.3	0
04/07/2023 00:00	1.2	243	60	2.7	0
04/07/2023 00:10	1.6	264	35	2.9	0
04/07/2023 00:20	1	245	68	2.3	0
04/07/2023 00:30	1.6	194	31	2.8	0
04/07/2023 00:40	1.6	197	42	3.2	0
04/07/2023 00:50	1.4	196	55	2.7	0
04/07/2023 01:00	1.8	194	24	2.9	0
04/07/2023 01:10	1.8	193	26	3	0
04/07/2023 01:20	1.9	200	26	3.5	0
04/07/2023 01:30	1.6	199	47	3.4	0
04/07/2023 01:40	1	223	71	2.2	0
04/07/2023 01:50	1.4	254	56	2.6	0
04/07/2023 02:00	1.2	232	56	2.4	0
04/07/2023 02:10	1	219	63	2	0
04/07/2023 02:20	1	233	54	2.4	0
04/07/2023 02:30	1	272	52	2.4	0
04/07/2023 02:40	1.1	216	50	2.3	0
04/07/2023 02:50	1.3	222	40	2.2	0
04/07/2023 03:00	1	241	57	2.1	0
04/07/2023 03:10	0.9	244	58	2	0
04/07/2023 03:20	1.2	274	47	2.1	0
04/07/2023 03:30	1.2	252	51	2.1	0
04/07/2023 03:40	1.5	268	33	2.5	0
04/07/2023 03:50	1.5	265	25	3.2	0
04/07/2023 04:00	1.3	268	31	2.4	0
04/07/2023 04:10	1.6	277	25	2.5	0
04/07/2023 04:20	1.2	283	39	2.4	0
04/07/2023 04:30	1	275	40	1.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/07/2023 04:40	0.6	289	23	1.6	0
04/07/2023 04:50	1.4	263	30	2.9	0
04/07/2023 05:00	1.6	290	17	2.4	0
04/07/2023 05:10	1.5	279	12	2.1	0
04/07/2023 05:20	1.5	282	15	2.1	0
04/07/2023 05:30	1.5	282	11	2	0
04/07/2023 05:40	1.3	290	15	1.8	0
04/07/2023 05:50	1.4	290	12	1.9	0
04/07/2023 06:00	1.3	300	15	1.8	0
04/07/2023 06:10	1.5	301	10	2	0
04/07/2023 06:20	1.6	283	12	2.2	0
04/07/2023 06:30	1.6	275	12	2.3	0
04/07/2023 06:40	1.5	277	14	2.2	0
04/07/2023 06:50	1.6	282	10	2.2	0
04/07/2023 07:00	1.8	281	11	2.3	0
04/07/2023 07:10	1.8	269	14	2.5	0
04/07/2023 07:20	1.7	282	13	2.3	0
04/07/2023 07:30	1.6	291	17	2.2	0
04/07/2023 07:40	1.2	284	21	2	0
04/07/2023 07:50	1.3	272	31	2.5	0
04/07/2023 08:00	2	269	17	3.3	0
04/07/2023 08:10	1.4	232	45	2.3	0
04/07/2023 08:20	2.2	213	23	3.6	0
04/07/2023 08:30	1.8	209	35	3.3	0
04/07/2023 08:40	1.7	218	34	3.1	0
04/07/2023 08:50	2.1	197	15	3.1	0
04/07/2023 09:00	2.4	208	15	3.2	0
04/07/2023 09:10	2.4	195	16	3.6	0
04/07/2023 09:20	2.4	190	17	3.6	0
04/07/2023 09:30	2.7	200	14	3.7	0
04/07/2023 09:40	2.5	200	20	4.2	0
04/07/2023 09:50	2.2	220	27	4	0
04/07/2023 10:00	2.7	210	25	4.4	0
04/07/2023 10:10	3	206	19	4.4	0
04/07/2023 10:20	3	199	18	4.7	0
04/07/2023 10:30	2.1	229	46	3.6	0
04/07/2023 10:40	2.2	240	51	4.4	0
04/07/2023 10:50	1.9	239	57	3.6	0
04/07/2023 11:00	2.5	266	37	4.1	0
04/07/2023 11:10	2.5	270	24	4.3	0
04/07/2023 11:20	3.3	266	20	4.7	0
04/07/2023 11:30	3.2	286	21	4.5	0
04/07/2023 11:40	3.3	289	21	5.4	0
04/07/2023 11:50	2.9	279	24	4.6	0
04/07/2023 12:00	3.2	282	19	4.7	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/07/2023 12:10	3	277	22	4.7	0
04/07/2023 12:20	3.1	274	23	5.9	0
04/07/2023 12:30	3.4	285	27	5	0
04/07/2023 12:40	3.6	288	20	5.7	0
04/07/2023 12:50	3.4	279	22	5.4	0
04/07/2023 13:00	3.5	277	25	5.3	0
04/07/2023 13:10	3.9	294	21	5.6	0
04/07/2023 13:20	4.1	281	20	6.2	0
04/07/2023 13:30	3.6	280	32	6	0
04/07/2023 13:40	3.8	277	24	5.8	0
04/07/2023 13:50	3.8	281	21	5.9	0
04/07/2023 14:00	3.5	285	25	5.8	0
04/07/2023 14:10	3.4	278	26	5.4	0
04/07/2023 14:20	3.5	278	22	5.4	0
04/07/2023 14:30	3.7	282	21	5.3	0
04/07/2023 14:40	4.2	275	17	6	0
04/07/2023 14:50	3.9	278	22	6.5	0
04/07/2023 15:00	3.6	274	22	5.5	0
04/07/2023 15:10	3.8	277	22	6	0
04/07/2023 15:20	3.5	275	24	5.5	0
04/07/2023 15:30	3.6	290	23	5.9	0
04/07/2023 15:40	4.1	289	22	6.3	0
04/07/2023 15:50	3.9	280	20	5.7	0
04/07/2023 16:00	3.5	278	23	6	0
04/07/2023 16:10	3.7	280	23	6	0
04/07/2023 16:20	3.7	278	22	5.5	0
04/07/2023 16:30	3.4	280	21	5.4	0
04/07/2023 16:40	3.4	277	22	5.3	0
04/07/2023 16:50	3	266	31	5.2	0
04/07/2023 17:00	3.6	269	30	5.6	0
04/07/2023 17:10	3	271	28	5.3	0
04/07/2023 17:20	2.8	268	37	4.8	0
04/07/2023 17:30	3	277	25	5.6	0
04/07/2023 17:40	3.4	271	26	5.3	0
04/07/2023 17:50	2.9	268	37	5.3	0
04/07/2023 18:00	3.4	272	32	5.6	0
04/07/2023 18:10	3.1	273	32	5.5	0
04/07/2023 18:20	3.1	268	36	4.8	0
04/07/2023 18:30	2.6	270	45	4.8	0
04/07/2023 18:40	2.4	257	38	4.1	0
04/07/2023 18:50	2.7	269	29	4.4	0
04/07/2023 19:00	1.5	225	59	3.3	0
04/07/2023 19:10	2.1	269	35	3.8	0
04/07/2023 19:20	1.7	266	53	3.6	0
04/07/2023 19:30	1.8	276	56	4.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/07/2023 19:40	1.7	262	53	3.4	0
04/07/2023 19:50	1.6	264	47	3.1	0
04/07/2023 20:00	1.4	246	55	3.1	0
04/07/2023 20:10	1.9	272	35	2.9	0
04/07/2023 20:20	1.7	272	29	3.2	0
04/07/2023 20:30	1.6	276	58	3.1	0
04/07/2023 20:40	1.5	260	51	3.1	0
04/07/2023 20:50	1.6	248	51	3.2	0
04/07/2023 21:00	1.8	254	38	3.6	0
04/07/2023 21:10	1.8	276	36	3.7	0
04/07/2023 21:20	1.5	258	47	3.2	0
04/07/2023 21:30	2.2	258	33	4	0
04/07/2023 21:40	1.6	237	63	3.4	0
04/07/2023 21:50	1.5	263	56	2.7	0
04/07/2023 22:00	1.6	256	48	2.9	0
04/07/2023 22:10	1.9	256	54	3.7	0
04/07/2023 22:20	2.2	259	43	3.7	0
04/07/2023 22:30	1.7	250	49	3.6	0
04/07/2023 22:40	1.3	246	57	2.7	0
04/07/2023 22:50	1.8	231	59	3.6	0
04/07/2023 23:00	1.5	213	59	3	0
04/07/2023 23:10	1.5	224	55	3.6	0
04/07/2023 23:20	1.2	223	63	2.5	0
04/07/2023 23:30	1.3	253	60	2.8	0
04/07/2023 23:40	1.5	258	37	3	0
04/07/2023 23:50	1.1	267	62	2.6	0
04/08/2023 00:00	1	205	73	2.8	0
04/08/2023 00:10	0.7	258	64	1.3	0
04/08/2023 00:20	1	303	57	1.9	0
04/08/2023 00:30	1.1	295	29	1.6	0
04/08/2023 00:40	1	281	28	1.6	0
04/08/2023 00:50	1.1	287	30	2	0
04/08/2023 01:00	0.8	252	51	1.6	0
04/08/2023 01:10	0.9	269	57	2.1	0
04/08/2023 01:20	1	238	68	2.3	0
04/08/2023 01:30	1.1	220	65	2.4	0
04/08/2023 01:40	1	216	67	1.8	0
04/08/2023 01:50	1.4	214	40	2.7	0
04/08/2023 02:00	1.8	225	30	3.3	0
04/08/2023 02:10	1.6	218	40	3	0
04/08/2023 02:20	1.8	215	34	3.2	0
04/08/2023 02:30	2	214	33	3.6	0
04/08/2023 02:40	1.7	238	32	2.8	0
04/08/2023 02:50	1.3	226	51	2.1	0
04/08/2023 03:00	1.3	236	48	2.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/08/2023 03:10	1.7	236	35	3	0
04/08/2023 03:20	1.7	243	33	2.9	0
04/08/2023 03:30	1.9	237	33	3.1	0
04/08/2023 03:40	1.6	229	43	3	0
04/08/2023 03:50	1.3	243	51	2.2	0
04/08/2023 04:00	1.7	234	33	2.6	0
04/08/2023 04:10	1.6	238	37	2.9	0
04/08/2023 04:20	1.5	226	32	2.4	0
04/08/2023 04:30	1.6	257	27	2.4	0
04/08/2023 04:40	1.4	253	42	2.7	0
04/08/2023 04:50	1.5	232	29	2.4	0
04/08/2023 05:00	2	220	20	3.2	0
04/08/2023 05:10	1.9	218	24	3.2	0
04/08/2023 05:20	1.9	216	27	3.3	0
04/08/2023 05:30	2.3	213	22	3.5	0
04/08/2023 05:40	1.5	231	35	2.5	0
04/08/2023 05:50	1.7	223	30	3	0
04/08/2023 06:00	1.8	212	25	2.8	0
04/08/2023 06:10	2.2	215	20	3.3	0
04/08/2023 06:20	2.9	210	14	4.4	0
04/08/2023 06:30	2.8	214	18	3.8	0
04/08/2023 06:40	2.7	211	19	3.9	0
04/08/2023 06:50	2	239	31	3.5	0
04/08/2023 07:00	1.9	259	21	2.7	0
04/08/2023 07:10	2.3	224	22	3.6	0
04/08/2023 07:20	1.6	241	36	2.6	0
04/08/2023 07:30	2	231	25	3.1	0
04/08/2023 07:40	2.4	219	18	3.3	0
04/08/2023 07:50	2.4	229	20	3.5	0
04/08/2023 08:00	2	272	14	3	0
04/08/2023 08:10	1.8	231	18	2.8	0
04/08/2023 08:20	1.7	236	32	2.5	0
04/08/2023 08:30	1.8	206	22	2.8	0
04/08/2023 08:40	2.1	201	13	3	0
04/08/2023 08:50	2	202	10	2.7	0
04/08/2023 09:00	1.9	203	12	2.7	0
04/08/2023 09:10	1.6	191	18	2.4	0
04/08/2023 09:20	1.1	126	20	1.6	0
04/08/2023 09:30	0.8	47	37	1.5	0
04/08/2023 09:40	1.1	68	24	1.7	0
04/08/2023 09:50	1.5	48	14	1.9	0
04/08/2023 10:00	1.2	41	31	1.7	0
04/08/2023 10:10	1.6	53	13	2.3	0
04/08/2023 10:20	1.2	124	36	1.9	0
04/08/2023 10:30	1.7	304	41	3.2	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/08/2023 10:40	1.8	299	32	3.2	0
04/08/2023 10:50	2.3	292	23	3.1	0
04/08/2023 11:00	2.4	272	23	3.9	0
04/08/2023 11:10	2.5	274	24	3.8	0
04/08/2023 11:20	2.7	272	23	3.9	0
04/08/2023 11:30	2.5	272	26	3.6	0
04/08/2023 11:40	3	276	18	4.4	0
04/08/2023 11:50	2.5	268	23	4.1	0
04/08/2023 12:00	2.9	297	20	4.3	0
04/08/2023 12:10	2.8	289	23	4.5	0
04/08/2023 12:20	2.8	281	27	4.2	0
04/08/2023 12:30	2.5	286	26	4	0
04/08/2023 12:40	2.7	268	21	3.9	0
04/08/2023 12:50	2.4	263	25	3.8	0
04/08/2023 13:00	2.3	269	23	3.4	0
04/08/2023 13:10	2.3	279	31	4	0
04/08/2023 13:20	2.6	278	25	4	0
04/08/2023 13:30	2.9	295	25	4.7	0
04/08/2023 13:40	2.8	282	22	4.1	0
04/08/2023 13:50	2.9	280	24	4.4	0
04/08/2023 14:00	2.9	274	25	4.6	0
04/08/2023 14:10	2.9	278	27	4.7	0
04/08/2023 14:20	3	277	27	4.6	0
04/08/2023 14:30	3	267	23	4.3	0
04/08/2023 14:40	2.9	275	24	5	0
04/08/2023 14:50	3.1	276	20	5	0
04/08/2023 15:00	3.2	271	20	4.8	0
04/08/2023 15:10	3.2	280	22	4.8	0
04/08/2023 15:20	3.3	280	19	5.3	0
04/08/2023 15:30	3.2	278	25	5.2	0
04/08/2023 15:40	3.4	276	22	5.4	0
04/08/2023 15:50	3.1	271	28	5.3	0
04/08/2023 16:00	3.3	275	21	5.3	0
04/08/2023 16:10	3.9	275	22	6	0
04/08/2023 16:20	3.6	276	22	5.6	0
04/08/2023 16:30	3.5	276	23	5.6	0
04/08/2023 16:40	3.6	277	23	5.3	0
04/08/2023 16:50	3.6	281	20	6	0
04/08/2023 17:00	3.6	275	22	5.6	0
04/08/2023 17:10	3.4	279	18	5.3	0
04/08/2023 17:20	3.4	279	20	5.2	0
04/08/2023 17:30	3.1	279	22	4.8	0
04/08/2023 17:40	3.5	272	22	5.9	0
04/08/2023 17:50	3.3	274	24	5.4	0
04/08/2023 18:00	3.2	275	20	5.2	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/08/2023 18:10	2.8	276	26	4.4	0
04/08/2023 18:20	3.8	275	19	5.6	0
04/08/2023 18:30	2.8	270	27	4.9	0
04/08/2023 18:40	3.2	278	22	4.9	0
04/08/2023 18:50	3.4	269	22	5.6	0
04/08/2023 19:00	3	275	21	4.9	0
04/08/2023 19:10	3.4	272	22	5.9	0
04/08/2023 19:20	3.1	270	23	4.9	0
04/08/2023 19:30	3.2	269	25	4.9	0
04/08/2023 19:40	2.8	268	29	5.1	0
04/08/2023 19:50	2.7	279	27	4.4	0
04/08/2023 20:00	3.1	268	25	5.6	0
04/08/2023 20:10	2.8	264	34	5.2	0
04/08/2023 20:20	2.7	273	32	4.8	0
04/08/2023 20:30	2.3	255	49	4.8	0
04/08/2023 20:40	1.7	239	60	3.8	0
04/08/2023 20:50	2.2	271	28	3.8	0
04/08/2023 21:00	1.8	259	51	3.5	0
04/08/2023 21:10	1.4	244	68	2.4	0
04/08/2023 21:20	2.4	245	37	4.5	0
04/08/2023 21:30	2.3	242	40	4.4	0
04/08/2023 21:40	2.3	262	36	4	0
04/08/2023 21:50	1.6	227	64	3.6	0
04/08/2023 22:00	2.1	264	37	3.7	0
04/08/2023 22:10	1.4	244	79	3.5	0
04/08/2023 22:20	1.8	260	62	4.6	0
04/08/2023 22:30	1.4	233	70	3.2	0
04/08/2023 22:40	1.2	190	61	2.2	0
04/08/2023 22:50	1.4	256	65	2.7	0
04/08/2023 23:00	1.3	229	67	2.7	0
04/08/2023 23:10	1.5	255	45	3.2	0
04/08/2023 23:20	1.4	255	59	2.7	0
04/08/2023 23:30	1.4	271	48	2.6	0
04/08/2023 23:40	1.3	267	53	3.3	0
04/08/2023 23:50	1.1	183	82	2.2	0
04/09/2023 00:00	1	255	76	2.4	0
04/09/2023 00:10	1.4	260	44	2.8	0
04/09/2023 00:20	0.9	240	71	1.7	0
04/09/2023 00:30	1.1	194	50	2.1	0
04/09/2023 00:40	1.4	258	72	2.8	0
04/09/2023 00:50	1.2	247	62	2.5	0
04/09/2023 01:00	1.2	234	60	2.6	0
04/09/2023 01:10	1.1	271	72	2	0
04/09/2023 01:20	1.1	205	81	2.5	0
04/09/2023 01:30	0.8	238	60	2.4	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/09/2023 01:40	1.2	265	55	2.7	0
04/09/2023 01:50	1.2	255	65	2.4	0
04/09/2023 02:00	1.1	164	73	2.4	0
04/09/2023 02:10	0.8	186	91	2	0
04/09/2023 02:20	1.4	275	55	3.2	0
04/09/2023 02:30	1.6	273	28	3.7	0
04/09/2023 02:40	1.5	276	22	2.2	0
04/09/2023 02:50	1.3	292	20	1.6	0
04/09/2023 03:00	1.3	288	16	1.9	0
04/09/2023 03:10	1.5	286	13	2.2	0
04/09/2023 03:20	1.7	294	14	2.2	0
04/09/2023 03:30	1.6	285	13	2.2	0
04/09/2023 03:40	1.7	275	13	2.5	0
04/09/2023 03:50	1.9	277	13	2.7	0
04/09/2023 04:00	2	275	14	2.9	0
04/09/2023 04:10	1.7	276	15	2.6	0
04/09/2023 04:20	2.3	270	13	3.2	0
04/09/2023 04:30	2.1	271	15	3	0
04/09/2023 04:40	2.1	277	12	3	0
04/09/2023 04:50	2.2	272	12	2.8	0
04/09/2023 05:00	2.3	269	11	3	0
04/09/2023 05:10	2.2	276	9	3	0
04/09/2023 05:20	2.2	271	10	2.8	0
04/09/2023 05:30	2.2	269	10	2.8	0
04/09/2023 05:40	1.6	279	10	2.1	0
04/09/2023 05:50	1.5	291	10	1.9	0
04/09/2023 06:00	1.4	281	9	1.9	0
04/09/2023 06:10	1.7	263	14	2.4	0
04/09/2023 06:20	2.1	262	12	2.9	0
04/09/2023 06:30	2.1	267	11	2.8	0
04/09/2023 06:40	1.4	268	21	2.3	0
04/09/2023 06:50	1.2	234	26	2	0
04/09/2023 07:00	1.1	218	25	1.6	0
04/09/2023 07:10	1.2	271	25	2.4	0
04/09/2023 07:20	1.5	266	24	2.7	0
04/09/2023 07:30	1.8	263	19	2.6	0
04/09/2023 07:40	1.6	268	20	2.7	0
04/09/2023 07:50	2.1	276	18	3	0
04/09/2023 08:00	2	273	19	2.9	0
04/09/2023 08:10	2.1	272	16	3.2	0
04/09/2023 08:20	1.3	216	37	2.4	0
04/09/2023 08:30	1.7	288	25	2.7	0
04/09/2023 08:40	1.7	283	20	2.4	0
04/09/2023 08:50	2.2	268	14	2.9	0
04/09/2023 09:00	1.8	277	19	2.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/09/2023 09:10	1.9	278	20	2.7	0
04/09/2023 09:20	1.9	283	28	3.1	0
04/09/2023 09:30	2	287	24	3.2	0
04/09/2023 09:40	1.9	282	28	2.8	0
04/09/2023 09:50	2.2	293	21	3.4	0
04/09/2023 10:00	2.2	297	21	3.3	0
04/09/2023 10:10	2.1	282	24	3.1	0
04/09/2023 10:20	1.9	289	26	2.8	0
04/09/2023 10:30	1.8	293	21	2.8	0
04/09/2023 10:40	1.8	316	24	2.5	0
04/09/2023 10:50	1.8	179	47	3.3	0
04/09/2023 11:00	1.5	77	21	2	0
04/09/2023 11:10	1.3	170	56	2.2	0
04/09/2023 11:20	1.7	277	40	3.2	0
04/09/2023 11:30	2.2	273	29	3.6	0
04/09/2023 11:40	2.3	279	26	3.7	0
04/09/2023 11:50	2.8	285	23	4.4	0
04/09/2023 12:00	2.8	293	23	4.6	0
04/09/2023 12:10	3.4	288	20	4.9	0
04/09/2023 12:20	3.3	294	21	4.4	0
04/09/2023 12:30	2.8	271	26	4.1	0
04/09/2023 12:40	3.3	281	19	5.3	0
04/09/2023 12:50	3.1	283	21	4.8	0
04/09/2023 13:00	2.9	280	21	4.5	0
04/09/2023 13:10	2.8	277	25	4.5	0
04/09/2023 13:20	3	277	25	4.6	0
04/09/2023 13:30	3.4	286	21	4.8	0
04/09/2023 13:40	2.9	283	29	4.8	0
04/09/2023 13:50	3	279	27	4.8	0
04/09/2023 14:00	2.9	270	25	4.6	0
04/09/2023 14:10	3	280	22	5.1	0
04/09/2023 14:20	3.6	268	22	5.3	0
04/09/2023 14:30	3.2	270	26	5.3	0
04/09/2023 14:40	3.4	277	21	5.2	0
04/09/2023 14:50	3.8	272	17	5.7	0
04/09/2023 15:00	3.5	269	29	5.5	0
04/09/2023 15:10	3.3	273	24	5.9	0
04/09/2023 15:20	3.4	267	20	5.5	0
04/09/2023 15:30	3.7	268	20	5.3	0
04/09/2023 15:40	3.7	274	19	5.6	0
04/09/2023 15:50	3.6	271	26	6.3	0
04/09/2023 16:00	3.7	271	20	5.8	0
04/09/2023 16:10	3.6	274	20	5.7	0
04/09/2023 16:20	3.7	269	23	5.9	0
04/09/2023 16:30	3.9	277	22	6.1	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/09/2023 16:40	3.5	272	22	5.6	0
04/09/2023 16:50	3.9	275	20	6.1	0
04/09/2023 17:00	3.7	275	23	6.2	0
04/09/2023 17:10	4.1	274	22	6	0
04/09/2023 17:20	4	276	20	6	0
04/09/2023 17:30	3.8	272	24	5.8	0
04/09/2023 17:40	4.1	271	25	6.4	0
04/09/2023 17:50	3.7	272	34	6.4	0
04/09/2023 18:00	3.9	272	21	6.1	0
04/09/2023 18:10	3.8	270	25	6.1	0
04/09/2023 18:20	3.9	276	26	5.9	0
04/09/2023 18:30	3.2	272	34	5.9	0
04/09/2023 18:40	2.5	256	51	4.6	0
04/09/2023 18:50	2.7	281	25	4.9	0
04/09/2023 19:00	2.6	266	36	4.3	0
04/09/2023 19:10	3.1	273	23	4.9	0
04/09/2023 19:20	3.1	276	20	5.1	0
04/09/2023 19:30	2.6	276	27	4.4	0
04/09/2023 19:40	2.6	274	30	4.3	0
04/09/2023 19:50	2.3	277	32	4.8	0
04/09/2023 20:00	2.2	264	41	4.1	0
04/09/2023 20:10	2.3	252	43	4.4	0
04/09/2023 20:20	2	250	51	4.3	0
04/09/2023 20:30	2.1	270	41	3.8	0
04/09/2023 20:40	1.7	256	58	3.6	0
04/09/2023 20:50	2	260	48	4	0
04/09/2023 21:00	1.7	258	48	4.2	0
04/09/2023 21:10	2	257	51	4.3	0
04/09/2023 21:20	1.4	222	90	3.6	0
04/09/2023 21:30	1.2	200	67	2.9	0
04/09/2023 21:40	1.6	228	62	3.9	0
04/09/2023 21:50	1.9	261	44	3.6	0
04/09/2023 22:00	1.7	231	60	3.7	0
04/09/2023 22:10	1.5	202	65	3.7	0
04/09/2023 22:20	2	242	54	3.7	0
04/09/2023 22:30	1.9	262	53	3.9	0
04/09/2023 22:40	1.5	257	63	4	0
04/09/2023 22:50	1.7	222	59	3.6	0
04/09/2023 23:00	1.5	248	64	3.2	0
04/09/2023 23:10	2.1	245	38	3.9	0
04/09/2023 23:20	1.8	241	59	4.2	0
04/09/2023 23:30	2.2	257	32	4.6	0
04/09/2023 23:40	1.8	280	64	3.9	0
04/09/2023 23:50	1.5	231	70	3.4	0
04/10/2023 00:00	1.8	222	51	3.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/10/2023 00:10	1.8	231	70	3.5	0
04/10/2023 00:20	1.7	209	51	3.3	0
04/10/2023 00:30	1.7	236	58	3.6	0
04/10/2023 00:40	2	243	49	4	0
04/10/2023 00:50	1.6	205	60	3	0
04/10/2023 01:00	2.2	221	52	5.2	0
04/10/2023 01:10	2.5	218	45	4.4	0
04/10/2023 01:20	2.4	216	44	4.7	0
04/10/2023 01:30	2.2	210	55	4.9	0
04/10/2023 01:40	2	201	49	3.6	0
04/10/2023 01:50	1.6	222	76	3.2	0
04/10/2023 02:00	1.5	204	68	3	0
04/10/2023 02:10	1.8	217	72	3.7	0
04/10/2023 02:20	1.9	225	52	4.2	0
04/10/2023 02:30	1.7	228	61	3.3	0
04/10/2023 02:40	1.6	243	66	3.2	0
04/10/2023 02:50	1.3	195	83	2.8	0
04/10/2023 03:00	1.2	215	66	2.9	0
04/10/2023 03:10	1.5	210	53	4.1	0
04/10/2023 03:20	1.4	222	78	3.2	0
04/10/2023 03:30	1.5	282	40	2.5	0
04/10/2023 03:40	1.1	140	65	2.5	0
04/10/2023 03:50	1.3	279	52	2.3	0
04/10/2023 04:00	1	237	67	2	0
04/10/2023 04:10	1	297	24	2.2	0
04/10/2023 04:20	1.7	309	11	2.3	0
04/10/2023 04:30	1.8	311	12	2.3	0
04/10/2023 04:40	1.6	296	12	2.2	0
04/10/2023 04:50	1.8	285	10	2.4	0
04/10/2023 05:00	2.1	281	11	2.8	0
04/10/2023 05:10	2.3	277	12	3.1	0
04/10/2023 05:20	2.5	268	13	3.5	0
04/10/2023 05:30	2.3	273	14	3.1	0
04/10/2023 05:40	2.2	273	14	3	0
04/10/2023 05:50	1.7	269	16	2.4	0
04/10/2023 06:00	1.8	214	22	2.4	0
04/10/2023 06:10	1.7	228	28	2.8	0
04/10/2023 06:20	1.4	227	33	2.6	0
04/10/2023 06:30	1.2	200	61	2.2	0
04/10/2023 06:40	1.2	205	63	2	0
04/10/2023 06:50	1.4	192	32	2.4	0
04/10/2023 07:00	1.2	201	47	2.5	0
04/10/2023 07:10	1.9	191	31	2.8	0
04/10/2023 07:20	1.8	277	40	3.7	0
04/10/2023 07:30	1.2	288	67	2.4	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/10/2023 07:40	1	169	71	2.2	0
04/10/2023 07:50	0.9	167	73	2	0
04/10/2023 08:00	1	184	73	2.4	0
04/10/2023 08:10	1.2	239	56	2.6	0
04/10/2023 08:20	1.2	197	61	2.3	0
04/10/2023 08:30	1.7	193	49	3.1	0
04/10/2023 08:40	1.3	212	59	2.4	0
04/10/2023 08:50	1.5	253	48	2.6	0
04/10/2023 09:00	1.5	241	52	2.7	0
04/10/2023 09:10	1.2	264	63	2.1	0
04/10/2023 09:20	1.4	231	53	3	0
04/10/2023 09:30	2	250	46	3.4	0
04/10/2023 09:40	1.6	207	57	3.1	0
04/10/2023 09:50	1.7	236	48	3.1	0
04/10/2023 10:00	2.3	220	48	4	0
04/10/2023 10:10	2.3	213	32	3.8	0
04/10/2023 10:20	2.5	226	30	4.8	0
04/10/2023 10:30	2.6	241	43	4.4	0
04/10/2023 10:40	2	215	44	4.4	0
04/10/2023 10:50	2.3	220	46	5.1	0
04/10/2023 11:00	2.4	230	37	4.7	0
04/10/2023 11:10	2.3	221	42	4.8	0
04/10/2023 11:20	3	287	28	5.6	0
04/10/2023 11:30	3.3	292	24	5.2	0
04/10/2023 11:40	3.9	303	19	6	0
04/10/2023 11:50	3.8	297	24	5.6	0
04/10/2023 12:00	3.4	295	26	5.4	0
04/10/2023 12:10	3.7	298	24	5.7	0
04/10/2023 12:20	3.8	300	25	6.2	0
04/10/2023 12:30	4.2	286	25	6.6	0
04/10/2023 12:40	4	276	20	6.5	0
04/10/2023 12:50	3.6	268	25	6.2	0
04/10/2023 13:00	3.6	270	29	5.8	0
04/10/2023 13:10	3.8	285	19	5.5	0
04/10/2023 13:20	3.6	279	25	5.2	0
04/10/2023 13:30	4.1	297	22	6.3	0
04/10/2023 13:40	3.8	291	27	6	0
04/10/2023 13:50	3.9	285	24	6	0
04/10/2023 14:00	3.9	281	22	6.6	0
04/10/2023 14:10	4	273	21	6.4	0
04/10/2023 14:20	3.7	277	23	5.6	0
04/10/2023 14:30	4.2	278	21	7.1	0
04/10/2023 14:40	4	283	21	6.3	0
04/10/2023 14:50	4	269	24	6.8	0
04/10/2023 15:00	4	272	22	6.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/10/2023 15:10	3.9	266	29	6.3	0
04/10/2023 15:20	3.5	271	25	6.5	0
04/10/2023 15:30	3.5	274	26	5.6	0
04/10/2023 15:40	4.1	274	21	6.8	0
04/10/2023 15:50	3.9	277	21	5.9	0
04/10/2023 16:00	3.3	272	30	5.7	0
04/10/2023 16:10	3.4	270	25	5.4	0
04/10/2023 16:20	3.6	273	25	5.9	0
04/10/2023 16:30	3.5	270	30	6	0
04/10/2023 16:40	4	272	26	6.4	0
04/10/2023 16:50	2.9	270	33	4.6	0
04/10/2023 17:00	2.8	268	45	5.5	0
04/10/2023 17:10	2.9	266	39	5.2	0
04/10/2023 17:20	3	271	31	5.6	0
04/10/2023 17:30	2.3	271	31	4.4	0
04/10/2023 17:40	2.3	254	46	5	0
04/10/2023 17:50	2.2	245	52	5.1	0
04/10/2023 18:00	2	254	57	5.2	0
04/10/2023 18:10	2.7	238	44	5.2	0
04/10/2023 18:20	2.2	227	60	4.4	0
04/10/2023 18:30	2.6	249	47	4.8	0
04/10/2023 18:40	2.6	259	40	4.7	0
04/10/2023 18:50	2.2	221	52	4.7	0
04/10/2023 19:00	1.9	231	56	4.1	0
04/10/2023 19:10	1.7	247	52	3.5	0
04/10/2023 19:20	2.3	261	38	4.6	0
04/10/2023 19:30	2.4	268	33	4.1	0
04/10/2023 19:40	1.9	262	33	3.7	0
04/10/2023 19:50	1.8	255	75	4.3	0
04/10/2023 20:00	1.9	261	45	3.6	0
04/10/2023 20:10	1.8	269	40	3.6	0
04/10/2023 20:20	1.6	265	49	2.8	0
04/10/2023 20:30	2.1	261	50	4.4	0
04/10/2023 20:40	2.2	262	30	4	0
04/10/2023 20:50	1.9	262	45	3.5	0
04/10/2023 21:00	1.7	270	35	2.9	0
04/10/2023 21:10	1.9	275	40	4	0
04/10/2023 21:20	2	275	37	3.8	0
04/10/2023 21:30	1.8	268	36	4	0
04/10/2023 21:40	1.6	271	37	3	0
04/10/2023 21:50	1.7	269	47	2.8	0
04/10/2023 22:00	1.1	143	62	2.6	0
04/10/2023 22:10	1.5	287	42	2.6	0
04/10/2023 22:20	1.8	255	62	3.1	0
04/10/2023 22:30	1.9	263	40	3.2	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/10/2023 22:40	1.3	214	70	3.1	0
04/10/2023 22:50	1.3	236	75	2.8	0
04/10/2023 23:00	1.3	242	68	3.1	0
04/10/2023 23:10	1.6	231	64	3.5	0
04/10/2023 23:20	1.5	260	46	3.1	0
04/10/2023 23:30	1.6	236	48	3.3	0
04/10/2023 23:40	1.5	238	43	3.5	0
04/10/2023 23:50	1.5	262	44	2.8	0
04/11/2023 00:00	1.6	238	45	3.2	0
04/11/2023 00:10	1.7	242	43	2.8	0
04/11/2023 00:20	1.9	208	34	3.5	0
04/11/2023 00:30	1.7	203	38	3.3	0
04/11/2023 00:40	1.7	243	52	4	0
04/11/2023 00:50	1.7	228	47	3.3	0
04/11/2023 01:00	1.1	275	60	2.3	0
04/11/2023 01:10	1.7	249	31	3.5	0
04/11/2023 01:20	1.6	234	44	2.6	0
04/11/2023 01:30	2.1	254	37	3.5	0
04/11/2023 01:40	1.9	262	31	3.4	0
04/11/2023 01:50	2	259	32	3.2	0
04/11/2023 02:00	1.6	246	41	3.1	0
04/11/2023 02:10	2.1	243	32	3.7	0
04/11/2023 02:20	2.4	224	32	4	0
04/11/2023 02:30	2.7	219	33	4.4	0
04/11/2023 02:40	2.5	215	34	4.4	0
04/11/2023 02:50	2.7	212	27	4.4	0
04/11/2023 03:00	2.4	208	28	4.2	0
04/11/2023 03:10	2.6	209	29	4.7	0
04/11/2023 03:20	2.7	215	27	4.4	0
04/11/2023 03:30	2.1	233	30	4.3	0
04/11/2023 03:40	2.3	241	30	3.9	0
04/11/2023 03:50	2.2	240	34	4	0
04/11/2023 04:00	2.4	232	31	4	0
04/11/2023 04:10	2.4	223	34	4.1	0
04/11/2023 04:20	2.7	218	30	4.6	0
04/11/2023 04:30	3.1	213	23	5.2	0
04/11/2023 04:40	2.6	218	37	4.8	0
04/11/2023 04:50	1.8	243	37	4.2	0
04/11/2023 05:00	2.1	225	30	4.1	0
04/11/2023 05:10	2.5	213	24	4.1	0
04/11/2023 05:20	1.9	223	33	3.6	0
04/11/2023 05:30	1.7	257	42	3.2	0
04/11/2023 05:40	1.4	291	37	2.4	0
04/11/2023 05:50	1.6	257	44	2.7	0
04/11/2023 06:00	1.8	263	43	3.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/11/2023 06:10	1.9	276	32	2.8	0
04/11/2023 06:20	2.1	285	16	2.9	0
04/11/2023 06:30	2.2	289	14	3.2	0
04/11/2023 06:40	2.1	286	22	2.6	0
04/11/2023 06:50	2.3	262	31	4.2	0
04/11/2023 07:00	2.5	227	39	4.4	0
04/11/2023 07:10	3.2	214	23	5	0
04/11/2023 07:20	2.7	224	34	4.6	0
04/11/2023 07:30	4.1	208	15	6.4	0
04/11/2023 07:40	4.5	198	11	6	0
04/11/2023 07:50	3.8	203	18	5.2	0
04/11/2023 08:00	3.6	207	17	5.2	0
04/11/2023 08:10	4.5	200	12	6.3	0
04/11/2023 08:20	4.9	201	12	6.7	0
04/11/2023 08:30	5.6	198	11	7.2	0
04/11/2023 08:40	4.6	206	11	6.5	0
04/11/2023 08:50	3.6	207	15	4.8	0
04/11/2023 09:00	2.9	221	19	4.4	0
04/11/2023 09:10	2.1	230	35	3.9	0
04/11/2023 09:20	1.6	228	35	2.8	0
04/11/2023 09:30	2.2	212	21	3.5	0
04/11/2023 09:40	1.5	208	26	2.5	0
04/11/2023 09:50	1.5	143	39	2.5	0
04/11/2023 10:00	1.4	102	29	2.8	0
04/11/2023 10:10	1.2	129	43	2.2	0
04/11/2023 10:20	1.2	127	38	2.2	0
04/11/2023 10:30	1.1	205	41	1.8	0
04/11/2023 10:40	1.2	169	49	2.1	0
04/11/2023 10:50	1.7	84	41	2.7	0
04/11/2023 11:00	1.7	47	18	2.3	0
04/11/2023 11:10	2.1	49	11	2.5	0
04/11/2023 11:20	1.9	61	16	2.4	0
04/11/2023 11:30	1.9	65	12	2.4	0
04/11/2023 11:40	2.4	68	13	2.8	0
04/11/2023 11:50	1.9	55	13	2.6	0
04/11/2023 12:00	2.2	190	22	3.6	0
04/11/2023 12:10	1.6	42	23	2.2	0
04/11/2023 12:20	2.4	49	17	3.1	0
04/11/2023 12:30	2.7	190	23	4.4	0
04/11/2023 12:40	2.4	301	32	3.6	0
04/11/2023 12:50	1.9	293	39	2.9	0
04/11/2023 13:00	2.1	284	22	3.6	0
04/11/2023 13:10	2.1	272	29	3.2	0
04/11/2023 13:20	2	287	28	3.2	0
04/11/2023 13:30	2.1	263	28	3.4	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/11/2023 13:40	2.5	280	19	3.6	0
04/11/2023 13:50	2.5	278	25	3.8	0
04/11/2023 14:00	2.5	264	21	3.8	0
04/11/2023 14:10	2.7	296	29	4.1	0
04/11/2023 14:20	2.4	302	21	3.7	0
04/11/2023 14:30	2.5	291	20	4	0
04/11/2023 14:40	2.4	285	28	4.2	0
04/11/2023 14:50	2.9	289	26	4.6	0
04/11/2023 15:00	2.9	283	26	4.5	0
04/11/2023 15:10	2.9	293	21	4.1	0
04/11/2023 15:20	2.8	290	23	4.1	0
04/11/2023 15:30	2.6	299	23	3.9	0
04/11/2023 15:40	3	305	21	4.5	0
04/11/2023 15:50	2.7	297	23	4.4	0
04/11/2023 16:00	3	295	24	4.5	0
04/11/2023 16:10	3.2	295	20	5.4	0
04/11/2023 16:20	2.8	287	25	4.4	0
04/11/2023 16:30	2.8	289	23	4.5	0
04/11/2023 16:40	3.1	292	18	4.6	0
04/11/2023 16:50	2.8	289	26	4.7	0
04/11/2023 17:00	3	289	24	4.8	0
04/11/2023 17:10	2.8	291	20	4.2	0
04/11/2023 17:20	2.8	298	20	4.5	0
04/11/2023 17:30	2.8	294	21	4.2	0
04/11/2023 17:40	2.7	288	20	4.5	0
04/11/2023 17:50	2.3	278	26	3.4	0
04/11/2023 18:00	2.3	261	22	3.8	0
04/11/2023 18:10	2.8	263	23	4.8	0
04/11/2023 18:20	2.4	259	25	4.1	0
04/11/2023 18:30	2.9	257	21	4.5	0
04/11/2023 18:40	2.4	265	22	3.7	0
04/11/2023 18:50	2.3	270	21	3.7	0
04/11/2023 19:00	2.5	264	25	3.9	0
04/11/2023 19:10	2.8	276	22	4.7	0
04/11/2023 19:20	2.4	259	28	3.9	0
04/11/2023 19:30	1.6	239	46	3.8	0
04/11/2023 19:40	2.3	272	39	3.9	0
04/11/2023 19:50	2.2	270	32	3.8	0
04/11/2023 20:00	2.1	269	30	3.5	0
04/11/2023 20:10	2.4	271	27	3.9	0
04/11/2023 20:20	2.4	275	22	4.2	0
04/11/2023 20:30	2.4	273	30	3.6	0
04/11/2023 20:40	3	266	27	4.5	0
04/11/2023 20:50	3	266	22	5.3	0
04/11/2023 21:00	2.8	266	37	4.7	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/11/2023 21:10	3.3	264	24	5.4	0
04/11/2023 21:20	2.6	262	37	4.1	0
04/11/2023 21:30	2.6	272	39	4.7	0
04/11/2023 21:40	2.2	274	41	4.1	0
04/11/2023 21:50	1.7	261	52	3.5	0
04/11/2023 22:00	1.8	272	46	3.6	0
04/11/2023 22:10	2.1	278	34	3.6	0
04/11/2023 22:20	1.4	241	63	3	0
04/11/2023 22:30	1.4	265	48	3.1	0
04/11/2023 22:40	1	274	83	2.8	0
04/11/2023 22:50	1.8	279	37	3.2	0
04/11/2023 23:00	1.8	267	41	3	0
04/11/2023 23:10	1.4	257	36	2.4	0
04/11/2023 23:20	1	237	54	2.3	0
04/11/2023 23:30	1.1	249	41	1.9	0
04/11/2023 23:40	1.4	229	34	2.7	0
04/11/2023 23:50	0.9	266	40	2	0
04/12/2023 00:00	1	221	51	2.1	0
04/12/2023 00:10	1.4	247	31	2.2	0
04/12/2023 00:20	1.4	268	28	2.5	0
04/12/2023 00:30	1.1	221	32	2	0
04/12/2023 00:40	1.3	235	38	2.1	0
04/12/2023 00:50	1.5	213	27	2.2	0
04/12/2023 01:00	1.5	191	14	2.2	0
04/12/2023 01:10	1.7	197	10	2.2	0
04/12/2023 01:20	1.1	206	18	2	0
04/12/2023 01:30	1	184	20	1.6	0
04/12/2023 01:40	1.1	196	14	1.6	0
04/12/2023 01:50	0.5	226	10	1	0
04/12/2023 02:00	0.6	115	16	1.2	0
04/12/2023 02:10	0.5	155	3	1.1	0
04/12/2023 02:20	0.3	297	16	1.2	0
04/12/2023 02:30					0
04/12/2023 02:40	0.1	142	0	0.6	0
04/12/2023 02:50	0.1	124	9	0.6	0
04/12/2023 03:00	0.9	114	14	1.6	0
04/12/2023 03:10	1.9	161	16	3	0
04/12/2023 03:20	1.7	181	18	2.7	0
04/12/2023 03:30	1.6	162	21	2.4	0
04/12/2023 03:40	1.5	154	22	2.4	0
04/12/2023 03:50	2	142	26	4.1	0
04/12/2023 04:00	2.2	108	35	4.8	0
04/12/2023 04:10	2.3	135	39	4	0
04/12/2023 04:20	3.4	120	27	6.1	0
04/12/2023 04:30	2.1	127	35	4.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/12/2023 04:40	2.3	139	32	4.8	0
04/12/2023 04:50	2.2	137	39	4.3	0
04/12/2023 05:00	2	124	30	3.4	0
04/12/2023 05:10	2.1	126	28	3.6	0
04/12/2023 05:20	2.3	124	30	4	0
04/12/2023 05:30	1.9	124	37	4	0
04/12/2023 05:40	2.4	140	25	3.9	0
04/12/2023 05:50	1.7	154	27	3.1	0
04/12/2023 06:00	1.7	154	23	3.6	0
04/12/2023 06:10	1.9	172	24	3.2	0
04/12/2023 06:20	2.1	177	25	3.2	0
04/12/2023 06:30	2.3	173	19	3.8	0
04/12/2023 06:40	1.9	159	26	3.4	0
04/12/2023 06:50	2.1	164	20	3.7	0
04/12/2023 07:00	2.3	165	21	3.4	0
04/12/2023 07:10	2.4	156	19	3.9	0
04/12/2023 07:20	2.7	151	25	4.6	0
04/12/2023 07:30	2.8	161	21	4.7	0
04/12/2023 07:40	3	164	21	4.5	0
04/12/2023 07:50	2.5	151	23	4	0
04/12/2023 08:00	2.3	140	25	4.4	0
04/12/2023 08:10	2.1	120	32	3.6	0
04/12/2023 08:20	2.5	113	29	4.2	0
04/12/2023 08:30	2.4	114	28	4	0
04/12/2023 08:40	2.5	116	19	4.4	0
04/12/2023 08:50	2.7	122	19	3.9	0
04/12/2023 09:00	2.6	119	17	4.4	0
04/12/2023 09:10	2.5	118	19	3.7	0
04/12/2023 09:20	2.5	123	17	3.5	0
04/12/2023 09:30	2.5	124	23	3.7	0
04/12/2023 09:40	2.4	116	18	3.2	0
04/12/2023 09:50	2.1	105	28	3.5	0
04/12/2023 10:00	2.5	86	20	4.1	0
04/12/2023 10:10	3.7	81	16	5.7	0
04/12/2023 10:20	4.4	82	15	6.4	0
04/12/2023 10:30	4.3	86	14	6.1	0
04/12/2023 10:40	4.3	85	14	6.4	0
04/12/2023 10:50	4.4	88	15	6.5	0
04/12/2023 11:00	4.1	85	19	6.3	0
04/12/2023 11:10	4.5	85	17	6.5	0
04/12/2023 11:20	4.3	75	14	6	0
04/12/2023 11:30	4	78	13	6	0
04/12/2023 11:40	4	77	15	6	0
04/12/2023 11:50	3.9	77	13	5.5	0
04/12/2023 12:00	3.6	76	15	4.9	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/12/2023 12:10	3.4	70	16	5.2	0
04/12/2023 12:20	3.3	60	18	4.8	0
04/12/2023 12:30	3.4	58	14	4.8	0
04/12/2023 12:40	3.2	59	13	4.9	0
04/12/2023 12:50	2.9	70	19	4.5	0
04/12/2023 13:00	2.7	66	16	3.9	0
04/12/2023 13:10	3.2	55	12	4.3	0
04/12/2023 13:20	3.1	60	10	4.1	0
04/12/2023 13:30	2.9	47	12	4	0
04/12/2023 13:40	2.7	47	12	3.9	0
04/12/2023 13:50	2.4	40	15	3.2	0
04/12/2023 14:00	2.9	41	12	3.8	0
04/12/2023 14:10	3.1	44	14	4.2	0
04/12/2023 14:20	3.4	41	16	4.7	0
04/12/2023 14:30	3.5	43	13	5	0
04/12/2023 14:40	3.2	50	13	4.4	0
04/12/2023 14:50	3.1	54	13	4.6	0
04/12/2023 15:00	3.4	50	14	4.9	0
04/12/2023 15:10	3.9	47	13	5.3	0
04/12/2023 15:20	3.2	48	13	4.8	0
04/12/2023 15:30	2.9	52	12	4.1	0
04/12/2023 15:40	2.8	55	13	3.8	0
04/12/2023 15:50	3.3	50	13	4.5	0
04/12/2023 16:00	4	42	11	5.2	0
04/12/2023 16:10	4.3	38	14	6.4	0
04/12/2023 16:20	4	42	13	5.2	0
04/12/2023 16:30	3.3	48	13	4.4	0
04/12/2023 16:40	3.2	50	14	4.2	0
04/12/2023 16:50	3.5	45	12	4.8	0
04/12/2023 17:00	3.5	48	13	4.6	0
04/12/2023 17:10	3.1	49	11	4.4	0
04/12/2023 17:20	3.3	46	11	4.9	0
04/12/2023 17:30	3.4	38	12	5.3	0
04/12/2023 17:40	3.1	38	14	4.6	0
04/12/2023 17:50	2.8	37	14	4.3	0
04/12/2023 18:00	2.5	40	15	3.5	0
04/12/2023 18:10	2.1	37	14	3.1	0
04/12/2023 18:20	2.6	36	13	3.8	0
04/12/2023 18:30	2.2	47	13	3.5	0
04/12/2023 18:40	2	48	13	2.9	0
04/12/2023 18:50	1.3	47	14	2.2	0
04/12/2023 19:00	1.1	50	18	2	0
04/12/2023 19:10	1.8	48	12	2.7	0
04/12/2023 19:20	1.5	57	16	2.4	0
04/12/2023 19:30	1.1	60	17	1.7	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/12/2023 19:40	1.1	66	17	1.6	0
04/12/2023 19:50	0.9	74	20	1.5	0
04/12/2023 20:00	0.9	100	19	1.5	0
04/12/2023 20:10	0.9	112	29	1.5	0
04/12/2023 20:20	0.6	105	18	1.1	0
04/12/2023 20:30	0.4	77	19	0.8	0
04/12/2023 20:40	0.9	81	16	1.5	0
04/12/2023 20:50	0.4	89	15	1.2	0
04/12/2023 21:00	0.1	110	5	0.8	0
04/12/2023 21:10	0.3	108	4	0.8	0
04/12/2023 21:20	0.4	99	6	0.8	0
04/12/2023 21:30	0.4	82	7	1	0
04/12/2023 21:40	0.1	86	2	0.5	0
04/12/2023 21:50	0.1	114	7	0.6	0
04/12/2023 22:00	0	95	0	0.5	0
04/12/2023 22:10	0.2	117	6	0.8	0
04/12/2023 22:20					0
04/12/2023 22:30					0
04/12/2023 22:40	0.6	190	8	1.4	0
04/12/2023 22:50	1.9	183	13	2.8	0
04/12/2023 23:00	3.4	203	8	4.2	0
04/12/2023 23:10	3.8	197	10	5.1	0
04/12/2023 23:20	3.3	196	13	4.8	0
04/12/2023 23:30	3.5	196	13	4.9	0
04/12/2023 23:40	3.7	194	11	5	0
04/12/2023 23:50	3.2	199	12	4.4	0
13/04/2023 00:00	2.9	196	16	4.4	0
13/04/2023 00:10	2.3	201	13	3.2	0
13/04/2023 00:20	2.8	197	9	3.8	0
13/04/2023 00:30	2.9	200	12	4	0
13/04/2023 00:40	2.6	190	11	3.4	0
13/04/2023 00:50	2.7	192	13	3.7	0
13/04/2023 01:00	2.6	193	15	3.6	0
13/04/2023 01:10	2.4	185	13	3.4	0
13/04/2023 01:20	2.9	195	10	4	0
13/04/2023 01:30	2.6	196	12	3.7	0
13/04/2023 01:40	2.7	194	11	3.7	0
13/04/2023 01:50	2.7	189	12	4	0
13/04/2023 02:00	2.6	196	13	3.9	0
13/04/2023 02:10	2.6	192	13	3.5	0
13/04/2023 02:20	2.5	189	12	3.6	0
13/04/2023 02:30	2.7	192	14	3.8	0
13/04/2023 02:40	2.4	190	13	3.3	0
13/04/2023 02:50	2.4	198	15	3.2	0
13/04/2023 03:00	2.5	203	14	3.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/04/2023 03:10	2.7	200	13	4.1	0
13/04/2023 03:20	3.1	201	15	4.1	0
13/04/2023 03:30	3.8	191	12	5.2	0
13/04/2023 03:40	3.7	192	12	5.2	0
13/04/2023 03:50	3.8	193	12	5.1	0
13/04/2023 04:00	3.4	197	12	4.8	0
13/04/2023 04:10	3.6	193	12	4.9	0
13/04/2023 04:20	3.8	194	10	4.8	0
13/04/2023 04:30	3.3	191	14	4.8	0
13/04/2023 04:40	3.2	198	16	4.8	0.5
13/04/2023 04:50	3.8	197	10	5.2	0
13/04/2023 05:00	3.4	199	12	4.8	0
13/04/2023 05:10	4.2	201	11	5.6	0
13/04/2023 05:20	3.3	194	13	5.5	0
13/04/2023 05:30	4.1	199	14	6.1	0
13/04/2023 05:40	4.6	198	14	6.3	0
13/04/2023 05:50	3.8	206	19	6	0
13/04/2023 06:00	3.4	198	14	4.8	0
13/04/2023 06:10	3.2	205	15	4.5	0
13/04/2023 06:20	4	204	14	5.2	0
13/04/2023 06:30	3.8	204	13	5.2	0
13/04/2023 06:40	4.1	207	16	5.6	0
13/04/2023 06:50	3.5	203	15	5.1	0
13/04/2023 07:00	4.3	200	13	5.9	0
13/04/2023 07:10	3.8	194	13	5.4	0
13/04/2023 07:20	3.4	195	16	5.5	0
13/04/2023 07:30	3.9	197	12	5.7	0
13/04/2023 07:40	3.2	201	12	4.9	0
13/04/2023 07:50	3.5	198	14	5.1	0
13/04/2023 08:00	3.5	202	13	5.6	0
13/04/2023 08:10	3.6	196	13	4.9	0
13/04/2023 08:20	3.8	196	12	6	0
13/04/2023 08:30	3.8	200	12	5	0
13/04/2023 08:40	3.4	201	15	4.6	0
13/04/2023 08:50	2.9	198	16	4.8	0
13/04/2023 09:00	2	181	29	3.5	0
13/04/2023 09:10	1.6	164	41	2.7	0
13/04/2023 09:20	2.3	201	27	4.3	0
13/04/2023 09:30	1.4	151	45	3.7	0
13/04/2023 09:40	2	112	29	4	0
13/04/2023 09:50	3.2	133	24	6	0
13/04/2023 10:00	2.1	152	47	4.6	0
13/04/2023 10:10	2.5	134	28	5.1	0
13/04/2023 10:20	2.4	124	49	5.4	0
13/04/2023 10:30	3.1	108	31	5.6	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/04/2023 10:40	2.9	113	27	4.8	0
13/04/2023 10:50	2.7	118	22	5	0
13/04/2023 11:00	1.8	110	40	3.1	0
13/04/2023 11:10	2.1	122	35	4.2	0
13/04/2023 11:20	2.8	110	25	5.5	0
13/04/2023 11:30	2.6	117	35	5.1	0
13/04/2023 11:40	2.4	112	34	3.9	0
13/04/2023 11:50	2.6	123	26	3.7	0
13/04/2023 12:00	2.6	90	19	4	0
13/04/2023 12:10	2.8	69	14	4.1	0
13/04/2023 12:20	2.7	57	11	3.7	0
13/04/2023 12:30	2.5	73	16	3.6	0
13/04/2023 12:40	2	61	18	3.2	0
13/04/2023 12:50	2.1	55	15	2.9	0
13/04/2023 13:00	1.8	56	17	2.8	0
13/04/2023 13:10	1.8	48	9	2.4	0
13/04/2023 13:20	1.7	55	19	2.4	0
13/04/2023 13:30	1.6	48	15	2.4	0
13/04/2023 13:40	1.8	43	14	2.5	0
13/04/2023 13:50	2.1	46	12	3	0
13/04/2023 14:00	2.1	45	15	2.8	0
13/04/2023 14:10	1.9	49	13	2.7	0
13/04/2023 14:20	1.9	48	15	2.7	0
13/04/2023 14:30	1.7	49	17	2.4	0
13/04/2023 14:40	1.5	53	16	2.3	0
13/04/2023 14:50	1.2	82	20	1.6	0
13/04/2023 15:00	1.6	71	20	2.4	0
13/04/2023 15:10	1.4	50	22	2.4	0
13/04/2023 15:20	1.9	75	26	3.2	0
13/04/2023 15:30	2.8	82	22	4.4	0
13/04/2023 15:40	3.6	88	27	6	0
13/04/2023 15:50	3.8	85	16	5.8	0
13/04/2023 16:00	2.6	104	33	4.9	0
13/04/2023 16:10	2.6	115	30	4.2	0
13/04/2023 16:20	2.2	124	43	4.4	0
13/04/2023 16:30	1.9	158	35	4.1	0
13/04/2023 16:40	1.8	129	30	3.1	0
13/04/2023 16:50	2.2	164	34	3.8	0
13/04/2023 17:00	1.8	209	17	2.7	0
13/04/2023 17:10	1.9	219	33	3.3	0
13/04/2023 17:20	1.6	241	47	3	0
13/04/2023 17:30	1.2	272	35	2.4	0
13/04/2023 17:40	2.2	278	15	3.6	0
13/04/2023 17:50	2.2	273	17	3.3	0
13/04/2023 18:00	1.9	290	23	3.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/04/2023 18:10	2	284	21	3	0
13/04/2023 18:20	2.5	271	19	3.8	0
13/04/2023 18:30	2.2	270	21	3.3	0
13/04/2023 18:40	1.4	247	50	3	0
13/04/2023 18:50	1.6	255	42	2.8	0
13/04/2023 19:00	1.3	241	65	2.4	0
13/04/2023 19:10	1.7	268	39	3.2	0
13/04/2023 19:20	1.7	243	55	3.2	0
13/04/2023 19:30	1.7	218	43	3.4	0
13/04/2023 19:40	2	225	45	4.1	0
13/04/2023 19:50	1.9	228	41	3.3	0
13/04/2023 20:00	1.8	226	63	3.5	0
13/04/2023 20:10	2.2	212	33	3.7	0
13/04/2023 20:20	2.3	218	43	4.1	0
13/04/2023 20:30	2.8	229	41	5.4	0
13/04/2023 20:40	2	210	37	3.8	0
13/04/2023 20:50	1.5	237	60	3.1	0
13/04/2023 21:00	1.8	213	40	3.1	0
13/04/2023 21:10	1.7	238	48	3.5	0
13/04/2023 21:20	1.9	207	35	3.3	0
13/04/2023 21:30	1.7	227	39	3.4	0
13/04/2023 21:40	1.6	203	34	2.7	0
13/04/2023 21:50	2	207	33	3.3	0
13/04/2023 22:00	1.6	222	42	2.8	0.2
13/04/2023 22:10	1.4	240	39	2.7	0
13/04/2023 22:20	1.1	180	55	2.2	0
13/04/2023 22:30	1	226	53	2.3	0
13/04/2023 22:40	1.6	221	35	2.4	0
13/04/2023 22:50	1.4	253	36	3.2	0
13/04/2023 23:00	1.4	220	46	2.8	0
13/04/2023 23:10	1.7	217	38	3.1	0
13/04/2023 23:20	2.6	199	26	3.9	0
13/04/2023 23:30	3.1	201	18	4.6	0
13/04/2023 23:40	3.3	204	21	5.2	0
13/04/2023 23:50	2.4	218	39	3.7	0
14/04/2023 00:00	1.5	216	52	3.5	0
14/04/2023 00:10	2.7	212	32	5	0
14/04/2023 00:20	2.5	206	36	5.3	0
14/04/2023 00:30	2.3	194	24	4	0
14/04/2023 00:40	1.6	210	46	3.6	0
14/04/2023 00:50	2.1	198	32	4	0
14/04/2023 01:00	2.8	214	33	5	0
14/04/2023 01:10	2.1	207	32	3.6	0
14/04/2023 01:20	1.9	198	33	4	0
14/04/2023 01:30	1.4	200	39	2.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/04/2023 01:40	1.3	273	50	2.7	0
14/04/2023 01:50	1.3	241	70	2.7	0
14/04/2023 02:00	1.5	251	57	2.8	0
14/04/2023 02:10	2.4	204	40	4.8	0
14/04/2023 02:20	2.5	209	33	4.4	0
14/04/2023 02:30	2.8	216	31	4.7	0
14/04/2023 02:40	3.1	209	30	5.9	0
14/04/2023 02:50	3.3	216	34	6	0
14/04/2023 03:00	3.4	216	28	5.9	0
14/04/2023 03:10	4	217	31	6.8	0
14/04/2023 03:20	3.7	219	31	6.2	0
14/04/2023 03:30	3.3	217	30	6.2	0
14/04/2023 03:40	3	213	28	5.2	0
14/04/2023 03:50	3.1	221	36	6.4	0
14/04/2023 04:00	3.4	217	29	5.7	0
14/04/2023 04:10	3.5	214	28	6.2	0
14/04/2023 04:20	3.2	220	30	6.4	0
14/04/2023 04:30	3.5	209	32	6.2	0
14/04/2023 04:40	2.9	216	33	5.5	0
14/04/2023 04:50	2.6	221	27	5.1	0
14/04/2023 05:00	2.5	229	29	4.5	0
14/04/2023 05:10	2.3	233	31	4.3	0
14/04/2023 05:20	2.3	220	37	4.2	0
14/04/2023 05:30	2.2	228	41	3.9	0
14/04/2023 05:40	1.7	230	50	3.3	0
14/04/2023 05:50	1.5	217	49	3.2	0
14/04/2023 06:00	1.8	232	44	3.2	0
14/04/2023 06:10	1.9	215	58	4.8	0
14/04/2023 06:20	1.9	222	44	3.5	0
14/04/2023 06:30	1.7	208	41	3.2	0
14/04/2023 06:40	1.9	232	45	4.3	0
14/04/2023 06:50	2.2	220	44	4.1	0
14/04/2023 07:00	2.4	215	32	4.6	0
14/04/2023 07:10	2.3	208	35	4.8	0
14/04/2023 07:20	2.6	209	35	5.4	0
14/04/2023 07:30	3	212	27	4.7	0
14/04/2023 07:40	3.3	214	26	5.7	0
14/04/2023 07:50	3.7	213	27	5.9	0
14/04/2023 08:00	3.8	214	24	6	0
14/04/2023 08:10	3.5	215	27	5.6	0
14/04/2023 08:20	3.4	212	27	6.1	0
14/04/2023 08:30	3.6	217	28	6.2	0
14/04/2023 08:40	3.6	206	28	6	0
14/04/2023 08:50	3.7	208	22	5.5	0
14/04/2023 09:00	3.5	205	24	5.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/04/2023 09:10	3.4	205	19	5.2	0
14/04/2023 09:20	4	207	21	6.4	0
14/04/2023 09:30	4.3	202	16	6.2	0
14/04/2023 09:40	3.8	208	20	6	0
14/04/2023 09:50	3.8	200	17	6	0
14/04/2023 10:00	4	200	18	6.2	0
14/04/2023 10:10	3.9	206	23	5.4	0
14/04/2023 10:20	3.7	206	20	5.5	0
14/04/2023 10:30	4.4	200	17	7.2	0
14/04/2023 10:40	3.9	204	18	6	0
14/04/2023 10:50	4.2	208	20	5.9	0
14/04/2023 11:00	4	202	20	6.6	0
14/04/2023 11:10	4.4	192	19	7.3	0
14/04/2023 11:20	4.3	192	20	6.6	0
14/04/2023 11:30	4.8	203	16	7.2	0
14/04/2023 11:40	4.4	192	15	6.3	0
14/04/2023 11:50	4.3	200	14	6.5	0
14/04/2023 12:00	3.9	207	22	5.6	0
14/04/2023 12:10	3.9	195	17	6.3	0
14/04/2023 12:20	4.3	202	20	6.7	0
14/04/2023 12:30	4.5	197	16	6.6	0
14/04/2023 12:40	4.5	198	18	6.6	0
14/04/2023 12:50	3.7	200	20	6.2	0
14/04/2023 13:00	4	203	18	5.7	0
14/04/2023 13:10	4.3	198	23	6.5	0
14/04/2023 13:20	4.4	192	16	6.3	0
14/04/2023 13:30	3.7	202	20	6.1	0
14/04/2023 13:40	3.6	199	20	5.6	0
14/04/2023 13:50	4.1	198	22	6.7	0
14/04/2023 14:00	5.1	198	16	7.2	0
14/04/2023 14:10	4.1	198	19	6.7	0.1
14/04/2023 14:20	3.8	192	19	5.6	0
14/04/2023 14:30	3.6	207	23	5.7	0
14/04/2023 14:40	3.3	204	22	5.5	0
14/04/2023 14:50	3.4	207	22	5.2	0
14/04/2023 15:00	2.9	205	25	4.5	0
14/04/2023 15:10	3.1	209	27	6.1	0
14/04/2023 15:20	3.3	203	26	4.7	0
14/04/2023 15:30	3.7	199	17	5.6	0
14/04/2023 15:40	3.5	204	22	6.3	0
14/04/2023 15:50	3.3	210	28	5.9	0
14/04/2023 16:00	3.8	202	19	5.6	0
14/04/2023 16:10	3.6	202	25	6	0
14/04/2023 16:20	3.5	211	20	6.1	0
14/04/2023 16:30	3.4	210	24	5.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/04/2023 16:40	2.8	213	27	4.5	0
14/04/2023 16:50	2.8	215	29	4.9	0
14/04/2023 17:00	2.7	212	30	4.4	0
14/04/2023 17:10	2.5	211	31	4.4	0
14/04/2023 17:20	2.6	212	27	5.1	0
14/04/2023 17:30	3.1	211	27	5.4	0
14/04/2023 17:40	2.6	213	30	4	0
14/04/2023 17:50	3	211	22	5.2	0
14/04/2023 18:00	2.4	215	27	3.9	0.1
14/04/2023 18:10	2.2	224	35	3.9	0
14/04/2023 18:20	2	216	36	3.5	0
14/04/2023 18:30	2.4	217	28	4	0
14/04/2023 18:40	2.1	215	33	3.6	0
14/04/2023 18:50	2.5	211	24	4.2	0
14/04/2023 19:00	2.6	214	24	4.3	0
14/04/2023 19:10	2.8	207	27	4.8	0
14/04/2023 19:20	2.7	219	26	4.3	0
14/04/2023 19:30	2.1	215	25	3.9	0
14/04/2023 19:40	2.3	214	29	3.7	0
14/04/2023 19:50	2.2	217	24	4	0
14/04/2023 20:00	2.1	215	28	3.5	0
14/04/2023 20:10	2.3	209	25	3.8	0
14/04/2023 20:20	2.5	218	27	4.4	0
14/04/2023 20:30	2.6	212	26	4	0
14/04/2023 20:40	2.5	207	21	4.4	0
14/04/2023 20:50	2.3	210	28	4.1	0
14/04/2023 21:00	3	209	18	4.4	0
14/04/2023 21:10	3.2	207	18	4.8	0
14/04/2023 21:20	3.4	208	15	4.8	0
14/04/2023 21:30	3.4	207	16	4.8	0
14/04/2023 21:40	3.6	206	16	5.2	0
14/04/2023 21:50	3.6	209	17	5.1	0
14/04/2023 22:00	3.5	205	17	4.9	0
14/04/2023 22:10	4.3	209	16	6.4	0
14/04/2023 22:20	4.7	206	14	6.3	0
14/04/2023 22:30	4.4	206	14	5.9	0
14/04/2023 22:40	4.7	206	13	6.6	0
14/04/2023 22:50	4.7	205	12	6	0
14/04/2023 23:00	4.5	205	13	6.4	0
14/04/2023 23:10	4.8	204	11	6.8	0
14/04/2023 23:20	4.6	202	13	6.1	0
14/04/2023 23:30	5	202	13	6.8	0
14/04/2023 23:40	5.4	198	11	7.2	0
14/04/2023 23:50	5.8	200	10	8.1	0
15/04/2023 00:00	5.1	196	13	7.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/04/2023 00:10	5.4	200	12	7.8	0
15/04/2023 00:20	5.5	198	12	7.3	0
15/04/2023 00:30	5.4	198	11	6.8	0
15/04/2023 00:40	5.5	201	11	7.3	0
15/04/2023 00:50	5.1	202	11	6.7	0
15/04/2023 01:00	5.1	201	11	6.7	0
15/04/2023 01:10	5.4	200	11	6.9	0
15/04/2023 01:20	5.1	199	12	6.9	0
15/04/2023 01:30	5.2	202	11	6.8	0
15/04/2023 01:40	4.6	202	12	6.2	0
15/04/2023 01:50	4.9	200	12	6.4	0
15/04/2023 02:00	4.9	199	13	7.4	0
15/04/2023 02:10	4.9	199	11	6.8	0
15/04/2023 02:20	4.5	203	14	6.4	0
15/04/2023 02:30	4.6	196	14	6.3	0
15/04/2023 02:40	4.2	197	15	6.4	0
15/04/2023 02:50	3.9	194	15	5.4	0
15/04/2023 03:00	3.5	189	21	5.4	0
15/04/2023 03:10	3.3	187	17	5.2	0
15/04/2023 03:20	3.7	191	17	5.6	0
15/04/2023 03:30	3.5	197	14	4.7	0
15/04/2023 03:40	3.4	183	17	5.2	0
15/04/2023 03:50	2.6	169	23	4.8	0
15/04/2023 04:00	2.9	157	18	4.6	0
15/04/2023 04:10	2.3	162	26	3.9	0
15/04/2023 04:20	2.2	163	27	3.8	0
15/04/2023 04:30	2.2	151	29	4	0
15/04/2023 04:40	2.2	124	33	5	0
15/04/2023 04:50	2.9	111	25	5.2	0
15/04/2023 05:00	2.9	114	23	5.1	0
15/04/2023 05:10	2.5	119	27	4.3	0
15/04/2023 05:20	3	119	21	4.7	0
15/04/2023 05:30	3.5	115	22	5.6	0
15/04/2023 05:40	3.5	96	20	6.9	0
15/04/2023 05:50	3.7	110	23	5.8	0
15/04/2023 06:00	4.2	114	22	7.5	0
15/04/2023 06:10	3.8	109	22	6.5	0
15/04/2023 06:20	3.8	99	23	6.3	0
15/04/2023 06:30	4.7	104	25	7.7	0
15/04/2023 06:40	4.4	103	24	7.2	0
15/04/2023 06:50	4.2	102	22	6	0
15/04/2023 07:00	4.2	97	24	7	0
15/04/2023 07:10	4.3	102	24	7.2	0
15/04/2023 07:20	4.9	112	26	10.4	0
15/04/2023 07:30	5.2	110	22	8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/04/2023 07:40	5.3	108	23	8	0
15/04/2023 07:50	4.9	99	22	8.7	0
15/04/2023 08:00	5.1	104	19	8.2	0
15/04/2023 08:10	4.4	102	23	7.7	0
15/04/2023 08:20	4.5	106	21	7.8	0
15/04/2023 08:30	5.4	90	19	8.5	0
15/04/2023 08:40	5.2	100	25	8.3	0
15/04/2023 08:50	5.4	91	19	8.2	0
15/04/2023 09:00	5.2	97	22	8.2	0
15/04/2023 09:10	5.1	112	23	8.3	0
15/04/2023 09:20	4.9	112	20	8.2	0
15/04/2023 09:30	4.9	110	27	8.8	0
15/04/2023 09:40	5.2	113	23	8	0
15/04/2023 09:50	4.8	103	23	7.5	0
15/04/2023 10:00	5.1	100	21	8.3	0
15/04/2023 10:10	4.8	103	24	8.3	0
15/04/2023 10:20	4.9	102	20	7.4	0
15/04/2023 10:30	5.2	106	24	7.8	0
15/04/2023 10:40	4.8	107	25	7.9	0
15/04/2023 10:50	4.6	109	21	7.4	0
15/04/2023 11:00	5	99	26	7.7	0
15/04/2023 11:10	4.6	101	23	6.9	0
15/04/2023 11:20	4.1	93	19	6	0
15/04/2023 11:30	3.6	98	20	6.8	0
15/04/2023 11:40	4.5	87	15	6.4	0
15/04/2023 11:50	4	95	23	6.1	0
15/04/2023 12:00	4.9	79	14	6.4	0
15/04/2023 12:10	3.7	91	19	5.6	0
15/04/2023 12:20	4.4	82	13	5.7	0
15/04/2023 12:30	4.1	75	16	5.8	0
15/04/2023 12:40	5	56	11	6.7	0
15/04/2023 12:50	5.2	56	11	6.7	0
15/04/2023 13:00	4.5	56	13	6.5	0
15/04/2023 13:10	4.7	55	13	6.5	0
15/04/2023 13:20	4.7	54	13	6.5	0
15/04/2023 13:30	4.7	56	11	6.3	0
15/04/2023 13:40	4.5	53	12	6.4	0
15/04/2023 13:50	4.3	55	16	5.7	0
15/04/2023 14:00	4.3	44	12	5.9	0
15/04/2023 14:10	4.4	50	14	6.1	0
15/04/2023 14:20	4.6	43	15	6.2	0
15/04/2023 14:30	4.5	44	14	6	0
15/04/2023 14:40	4.3	46	15	6	0
15/04/2023 14:50	4.4	40	12	6.4	0
15/04/2023 15:00	4.2	45	15	6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/04/2023 15:10	4.2	39	14	6.3	0
15/04/2023 15:20	4	40	14	6.2	0
15/04/2023 15:30	4.2	37	14	5.7	0
15/04/2023 15:40	3.8	37	14	5.6	0
15/04/2023 15:50	3.9	41	14	5.6	0
15/04/2023 16:00	3.9	34	13	5.3	0
15/04/2023 16:10	3.9	40	13	5.4	0
15/04/2023 16:20	3.6	42	12	4.8	0
15/04/2023 16:30	3.8	41	12	5.6	0
15/04/2023 16:40	3.8	40	12	5.4	0
15/04/2023 16:50	3.5	38	13	4.7	0
15/04/2023 17:00	3.8	36	14	5.2	0
15/04/2023 17:10	3.6	33	13	5	0
15/04/2023 17:20	3.3	32	13	4.6	0
15/04/2023 17:30	3.3	33	14	4.8	0
15/04/2023 17:40	3.1	32	15	4.3	0
15/04/2023 17:50	3.3	38	13	4.9	0
15/04/2023 18:00	3.1	32	15	4.6	0
15/04/2023 18:10	3.4	39	14	4.8	0
15/04/2023 18:20	2.9	33	13	4.1	0
15/04/2023 18:30	2.9	37	13	4.3	0
15/04/2023 18:40	2.8	34	14	4.3	0
15/04/2023 18:50	3	32	12	4.1	0
15/04/2023 19:00	2.4	35	14	3.5	0
15/04/2023 19:10	1.5	192	22	2.4	0
15/04/2023 19:20	1.9	264	24	3.2	0
15/04/2023 19:30	1.6	238	18	2.3	0
15/04/2023 19:40	0.7	186	41	1.3	0
15/04/2023 19:50	0.3	202	14	1	0
15/04/2023 20:00	0.3	196	2	1.1	0
15/04/2023 20:10	0.8	270	26	1.3	0
15/04/2023 20:20	0.3	258	5	0.8	0
15/04/2023 20:30	0.2	173	3	0.8	0
15/04/2023 20:40	0.5	47	7	0.9	0
15/04/2023 20:50	0.9	129	18	1.5	0
15/04/2023 21:00	1.4	139	19	2	0
15/04/2023 21:10	2.4	171	30	4.4	0
15/04/2023 21:20	2.4	142	23	5	0
15/04/2023 21:30	3.7	112	23	6.4	0
15/04/2023 21:40	3.3	105	23	5.8	0
15/04/2023 21:50	2.9	102	19	4.7	0
15/04/2023 22:00	2.6	107	24	4.7	0
15/04/2023 22:10	3.8	113	25	6.1	0
15/04/2023 22:20	3.7	108	24	5.9	0
15/04/2023 22:30	3.7	108	25	6.8	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/04/2023 22:40	3.5	105	22	5.9	0
15/04/2023 22:50	3.2	103	22	5.9	0
15/04/2023 23:00	3.6	93	24	6.2	0
15/04/2023 23:10	3.5	106	23	6.4	0
15/04/2023 23:20	3.8	95	19	6.5	0
15/04/2023 23:30	3.5	93	22	6.8	0
15/04/2023 23:40	3.1	112	28	4.9	0
15/04/2023 23:50	3.6	121	30	5.5	0
16/04/2023 00:00	3.3	101	23	5.6	0
16/04/2023 00:10	3.5	98	25	5.9	0
16/04/2023 00:20	3.3	102	25	5.5	0
16/04/2023 00:30	3	94	21	5.2	0
16/04/2023 00:40	2.6	104	30	5.2	0
16/04/2023 00:50	2.8	100	21	5.5	0
16/04/2023 01:00	3	102	24	4.8	0
16/04/2023 01:10	2.9	95	24	5.1	0
16/04/2023 01:20	3.4	103	28	5.6	0
16/04/2023 01:30	3.4	107	29	5.6	0
16/04/2023 01:40	3.3	109	22	5.6	0
16/04/2023 01:50	3.3	107	24	6	0
16/04/2023 02:00	3.5	100	23	5.9	0
16/04/2023 02:10	3.7	95	22	6.4	0
16/04/2023 02:20	3.7	112	22	6.8	0
16/04/2023 02:30	3.8	100	22	6.8	0
16/04/2023 02:40	4	101	25	6.9	0
16/04/2023 02:50	4.2	94	23	7.2	0
16/04/2023 03:00	4.8	99	23	8	0
16/04/2023 03:10	4.9	103	23	7.9	0
16/04/2023 03:20	5.1	103	24	8.5	0
16/04/2023 03:30	5.2	101	23	8.8	0
16/04/2023 03:40	5.2	102	23	8.7	0
16/04/2023 03:50	5	100	21	9.1	0
16/04/2023 04:00	5.6	106	22	9.5	0
16/04/2023 04:10	5.3	104	26	9	0
16/04/2023 04:20	5.5	103	23	9.8	0
16/04/2023 04:30	5.9	106	24	9.2	0
16/04/2023 04:40	5.6	95	22	9.3	0
16/04/2023 04:50	5.5	101	21	8.7	0
16/04/2023 05:00	5.3	104	24	10.1	0
16/04/2023 05:10	5.7	102	22	9.1	0
16/04/2023 05:20	5.8	108	27	11.5	0
16/04/2023 05:30	6	108	23	11.9	0
16/04/2023 05:40	5.6	102	26	9.2	0
16/04/2023 05:50	5.8	101	26	10.7	0
16/04/2023 06:00	6.3	99	23	11	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/04/2023 06:10	6.1	103	22	9.5	0
16/04/2023 06:20	5.8	106	26	9.9	0
16/04/2023 06:30	6.4	102	21	10.5	0
16/04/2023 06:40	5.8	104	21	10.2	0
16/04/2023 06:50	6.3	102	23	10	0
16/04/2023 07:00	6.2	98	25	10.3	0
16/04/2023 07:10	6.3	106	21	10.7	0
16/04/2023 07:20	6.4	100	24	10.4	0
16/04/2023 07:30	5.9	99	19	10.7	0
16/04/2023 07:40	6.6	111	26	10.3	0
16/04/2023 07:50	6.8	96	21	11.5	0
16/04/2023 08:00	6.1	97	19	10.1	0
16/04/2023 08:10	5.9	103	21	10.1	0
16/04/2023 08:20	5.6	104	21	9.4	0
16/04/2023 08:30	6.3	103	23	10.7	0
16/04/2023 08:40	6.6	113	21	10	0
16/04/2023 08:50	5.5	106	25	9.8	0
16/04/2023 09:00	6.1	102	23	9.9	0
16/04/2023 09:10	6.7	88	18	9.7	0
16/04/2023 09:20	6.7	95	19	10.1	0
16/04/2023 09:30	5.9	98	22	9.5	0
16/04/2023 09:40	5.9	100	25	8.3	0
16/04/2023 09:50	6.1	93	17	9.4	0
16/04/2023 10:00	6.5	93	18	10	0
16/04/2023 10:10	6.6	90	17	10.6	0
16/04/2023 10:20	6.3	92	20	10.2	0
16/04/2023 10:30	6.5	90	15	9.4	0
16/04/2023 10:40	7	85	14	10.1	0
16/04/2023 10:50	6.8	86	15	10.3	0
16/04/2023 11:00	6.5	87	14	8.9	0
16/04/2023 11:10	6.6	88	14	8.6	0
16/04/2023 11:20	6.6	86	14	9.2	0
16/04/2023 11:30	6.3	89	13	8.8	0
16/04/2023 11:40	6	86	16	8.9	0
16/04/2023 11:50	6	78	15	8.9	0
16/04/2023 12:00	6.1	73	13	8.7	0
16/04/2023 12:10	5.8	79	13	8.1	0
16/04/2023 12:20	5.8	76	14	8.1	0
16/04/2023 12:30	5.5	71	16	7.7	0
16/04/2023 12:40	5.7	70	15	8.3	0
16/04/2023 12:50	5.3	69	15	8.5	0
16/04/2023 13:00	5.4	67	15	7.5	0
16/04/2023 13:10	5	67	15	7.2	0
16/04/2023 13:20	5.4	73	15	7.6	0
16/04/2023 13:30	5.3	73	15	7.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/04/2023 13:40	5.1	66	16	7.3	0
16/04/2023 13:50	4.8	74	15	6.6	0
16/04/2023 14:00	4.7	63	13	6.3	0
16/04/2023 14:10	4.9	62	14	6.8	0
16/04/2023 14:20	5.5	58	12	7.2	0
16/04/2023 14:30	5.2	60	12	7.9	0
16/04/2023 14:40	5.6	58	12	7.2	0
16/04/2023 14:50	5.6	57	11	7.1	0
16/04/2023 15:00	4.8	53	12	6.4	0
16/04/2023 15:10	4.8	57	12	6.4	0
16/04/2023 15:20	4.4	53	12	5.9	0
16/04/2023 15:30	4.8	51	11	6.8	0
16/04/2023 15:40	4.4	47	13	5.7	0
16/04/2023 15:50	4.1	45	13	5.9	0
16/04/2023 16:00	4.2	45	14	6	0
16/04/2023 16:10	4.3	48	11	6	0
16/04/2023 16:20	4	49	15	6	0
16/04/2023 16:30	4.2	45	12	5.7	0
16/04/2023 16:40	3.5	46	14	5.1	0
16/04/2023 16:50	3.5	44	15	5	0
16/04/2023 17:00	3.2	42	14	4.5	0
16/04/2023 17:10	3.4	45	15	5.1	0
16/04/2023 17:20	3.2	44	13	4.4	0
16/04/2023 17:30	3.2	42	12	4.6	0
16/04/2023 17:40	3.4	48	13	4.8	0
16/04/2023 17:50	3.1	55	13	4.7	0
16/04/2023 18:00	2.9	48	14	4.1	0
16/04/2023 18:10	2.8	52	12	4.2	0
16/04/2023 18:20	2.9	54	12	4.3	0
16/04/2023 18:30	2.8	54	13	4.1	0
16/04/2023 18:40	2.5	41	14	3.9	0
16/04/2023 18:50	1.6	37	16	2.3	0
16/04/2023 19:00	1.8	37	16	2.5	0
16/04/2023 19:10	2.1	42	13	3	0
16/04/2023 19:20	2	41	14	2.8	0
16/04/2023 19:30	1.8	44	14	2.5	0
16/04/2023 19:40	1.9	49	14	2.5	0
16/04/2023 19:50	2.4	51	11	3.6	0
16/04/2023 20:00	2.4	49	13	3.2	0
16/04/2023 20:10	2.5	44	14	3.5	0
16/04/2023 20:20	2.2	44	12	3.2	0
16/04/2023 20:30	2.2	43	12	3.3	0
16/04/2023 20:40	2.2	41	14	3.2	0
16/04/2023 20:50	2.3	39	13	3.4	0
16/04/2023 21:00	2.4	39	13	3.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/04/2023 21:10	2.2	37	16	3.4	0
16/04/2023 21:20	1.9	32	14	2.8	0
16/04/2023 21:30	2.2	44	14	3.5	0
16/04/2023 21:40	2.2	44	13	3.2	0
16/04/2023 21:50	2.5	40	12	3.6	0
16/04/2023 22:00	2.4	45	13	3.9	0
16/04/2023 22:10	2.6	52	13	3.4	0
16/04/2023 22:20	2.5	48	14	3.6	0
16/04/2023 22:30	3.1	51	12	4.2	0
16/04/2023 22:40	3.2	57	13	4.2	0
16/04/2023 22:50	3.2	60	14	4.5	0
16/04/2023 23:00	3	58	14	4.4	0
16/04/2023 23:10	3	61	14	4.4	0
16/04/2023 23:20	2.8	59	14	4.1	0
16/04/2023 23:30	3	63	15	4.4	0
16/04/2023 23:40	3	65	14	4.5	0
16/04/2023 23:50	3.5	79	14	5.2	0
17/04/2023 00:00	3.9	77	17	5.4	0
17/04/2023 00:10	3.7	79	16	5.3	0
17/04/2023 00:20	3.8	81	15	6	0
17/04/2023 00:30	3.9	90	17	5.4	0
17/04/2023 00:40	3.5	123	15	5	0
17/04/2023 00:50	2.9	125	23	4.6	0
17/04/2023 01:00	2.5	139	28	5.1	0
17/04/2023 01:10	2.7	143	25	5.5	0
17/04/2023 01:20	2.3	134	24	3.7	0
17/04/2023 01:30	2.6	133	28	3.9	0
17/04/2023 01:40	2.3	144	24	3.5	0
17/04/2023 01:50	2.7	139	24	4.7	0
17/04/2023 02:00	2.8	145	27	4.2	0
17/04/2023 02:10	2.7	144	21	4.8	0
17/04/2023 02:20	2.9	145	24	4.5	0
17/04/2023 02:30	3	137	20	5.2	0
17/04/2023 02:40	3.3	140	21	5.4	0
17/04/2023 02:50	3.5	142	23	5.6	0
17/04/2023 03:00	3.1	141	20	5.6	0
17/04/2023 03:10	3.2	127	24	4.8	0
17/04/2023 03:20	3.7	122	22	5.7	0
17/04/2023 03:30	3.4	130	21	5.4	0
17/04/2023 03:40	3.5	134	22	5.3	0
17/04/2023 03:50	2.8	127	27	5.2	0
17/04/2023 04:00	4.3	121	17	6.4	0
17/04/2023 04:10	3.9	113	15	6.1	0
17/04/2023 04:20	4.4	120	17	6.4	0
17/04/2023 04:30	4.6	121	16	6.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/04/2023 04:40	4.2	122	20	6.3	0
17/04/2023 04:50	3.8	122	21	6.6	0
17/04/2023 05:00	3.7	116	22	6	0
17/04/2023 05:10	3.8	121	20	6	0
17/04/2023 05:20	4.2	121	22	6.3	0
17/04/2023 05:30	3.8	125	20	6.5	0
17/04/2023 05:40	4.2	123	20	6.6	0
17/04/2023 05:50	3.6	117	25	6	0
17/04/2023 06:00	4.1	118	23	6.4	0
17/04/2023 06:10	4.4	118	19	6.5	0
17/04/2023 06:20	4.2	123	26	7.6	0
17/04/2023 06:30	4.3	117	21	6.8	0
17/04/2023 06:40	4.4	117	21	7.1	0
17/04/2023 06:50	4.1	115	21	6.8	0
17/04/2023 07:00	4.5	117	18	6.7	0
17/04/2023 07:10	4.4	119	19	6.8	0
17/04/2023 07:20	4.4	118	21	6.7	0
17/04/2023 07:30	4.5	118	21	6.8	0
17/04/2023 07:40	4.8	116	17	7.2	0
17/04/2023 07:50	4.9	116	21	7.5	0
17/04/2023 08:00	4.8	117	18	7.3	0
17/04/2023 08:10	4.8	118	21	7.5	0
17/04/2023 08:20	4.8	112	22	7.2	0
17/04/2023 08:30	4.7	116	20	6.9	0
17/04/2023 08:40	3.9	110	19	6.1	0
17/04/2023 08:50	4.3	91	16	6.4	0
17/04/2023 09:00	5.4	85	17	8.1	0
17/04/2023 09:10	5.8	87	15	7.9	0
17/04/2023 09:20	6.1	84	14	8.6	0
17/04/2023 09:30	5.8	84	13	8.3	0
17/04/2023 09:40	5.5	80	15	8	0
17/04/2023 09:50	5.6	84	14	7.6	0
17/04/2023 10:00	5.2	85	13	7.2	0
17/04/2023 10:10	5	83	16	7.2	0
17/04/2023 10:20	5	77	14	6.6	0
17/04/2023 10:30	5	81	15	6.8	0
17/04/2023 10:40	4.7	81	14	6.4	0
17/04/2023 10:50	4.7	78	16	6.8	0
17/04/2023 11:00	4.4	76	15	6.2	0
17/04/2023 11:10	4.5	74	16	6.4	0
17/04/2023 11:20	4.1	69	15	6	0
17/04/2023 11:30	4.2	66	14	6	0
17/04/2023 11:40	4.3	63	14	6.2	0
17/04/2023 11:50	4	61	15	5.6	0
17/04/2023 12:00	4.8	56	11	6.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/04/2023 12:10	4.3	58	13	6.2	0
17/04/2023 12:20	4.9	57	11	6.5	0
17/04/2023 12:30	4.8	58	11	6.3	0
17/04/2023 12:40	4.7	56	12	6	0
17/04/2023 12:50	4.4	59	13	5.6	0
17/04/2023 13:00	3.9	51	13	5.4	0
17/04/2023 13:10	4.1	48	12	6	0
17/04/2023 13:20	4.4	50	13	5.9	0
17/04/2023 13:30	3.9	46	14	5.2	0
17/04/2023 13:40	3.8	42	11	5.2	0
17/04/2023 13:50	4.1	41	11	5.7	0
17/04/2023 14:00	3.9	44	13	5.5	0
17/04/2023 14:10	4	49	12	5.5	0
17/04/2023 14:20	3.7	43	13	5.1	0
17/04/2023 14:30	3.6	45	14	4.9	0
17/04/2023 14:40	3.6	42	12	4.8	0
17/04/2023 14:50	3.1	46	13	4.2	0
17/04/2023 15:00	3.2	44	14	4.2	0
17/04/2023 15:10	3	34	15	4	0
17/04/2023 15:20	3.1	44	14	4.3	0
17/04/2023 15:30	3.1	50	12	4.3	0
17/04/2023 15:40	3.1	46	14	4.2	0
17/04/2023 15:50	2.8	44	12	3.8	0
17/04/2023 16:00	2.7	50	15	3.6	0
17/04/2023 16:10	2.5	58	16	3.6	0
17/04/2023 16:20	2.7	47	13	3.9	0
17/04/2023 16:30	2.4	54	10	3.3	0
17/04/2023 16:40	2.5	52	14	3.3	0
17/04/2023 16:50	2.5	49	13	3.6	0
17/04/2023 17:00	2.4	52	13	3.6	0
17/04/2023 17:10	2.3	55	13	3.2	0
17/04/2023 17:20	1.9	50	13	2.6	0
17/04/2023 17:30	1.9	59	15	2.7	0
17/04/2023 17:40	1.3	56	16	2.1	0
17/04/2023 17:50	0.4	76	26	0.8	0
17/04/2023 18:00	1	42	18	1.5	0
17/04/2023 18:10	0.2	224	24	0.5	0
17/04/2023 18:20	0.7	121	31	1.3	0
17/04/2023 18:30	0.7	72	14	1.2	0
17/04/2023 18:40	0.3	77	10	1	0
17/04/2023 18:50	0.9	63	11	1.5	0
17/04/2023 19:00	0.2	69	6	0.6	0.1
17/04/2023 19:10	0	40	0	0.4	0.1
17/04/2023 19:20					0
17/04/2023 19:30	0.6	69	21	1.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/04/2023 19:40	0.4	331	10	0.9	0
17/04/2023 19:50	0.9	331	19	1.4	0
17/04/2023 20:00	1.1	320	10	1.5	0
17/04/2023 20:10	1	313	18	1.5	0
17/04/2023 20:20	0.9	316	24	1.4	0
17/04/2023 20:30	0.1	339	11	0.7	0
17/04/2023 20:40	0.5	282	9	0.9	0
17/04/2023 20:50	0.8	267	14	1.3	0
17/04/2023 21:00	0.4	268	5	0.7	0
17/04/2023 21:10	1	259	13	1.5	0
17/04/2023 21:20	1.1	211	8	1.4	0
17/04/2023 21:30	1.4	231	7	2	0
17/04/2023 21:40	1.7	228	16	2.7	0
17/04/2023 21:50	1.3	224	26	2.4	0
17/04/2023 22:00	1.9	225	13	2.4	0
17/04/2023 22:10	1.7	220	17	2.3	0
17/04/2023 22:20	2.1	208	15	2.9	0
17/04/2023 22:30	2.4	207	11	3.1	0
17/04/2023 22:40	2.1	213	19	3.1	0
17/04/2023 22:50	1.6	223	16	2.4	0
17/04/2023 23:00	1.5	216	21	2.3	0
17/04/2023 23:10	2.9	206	11	3.7	0
17/04/2023 23:20	2.8	207	12	3.6	0
17/04/2023 23:30	2.4	208	12	3.2	0
17/04/2023 23:40	2.3	209	14	3.1	0
17/04/2023 23:50	3.1	206	10	4	0
18/04/2023 00:00	2.9	202	9	3.4	0
18/04/2023 00:10	1.4	187	24	2.1	0
18/04/2023 00:20	1	180	28	1.8	0
18/04/2023 00:30	0.7	43	27	1.2	0
18/04/2023 00:40	0.1	188	4	0.7	0
18/04/2023 00:50	0.2	12	8	1	0
18/04/2023 01:00	0.1	9	2	0.7	0
18/04/2023 01:10	0.5	172	65	0.9	0
18/04/2023 01:20	0.7	335	34	1.8	0
18/04/2023 01:30	2.1	188	17	3.1	0
18/04/2023 01:40	2.2	199	15	3.1	0
18/04/2023 01:50	1.1	160	41	2	0
18/04/2023 02:00	0.9	195	26	1.4	0
18/04/2023 02:10	0.8	359	26	1.2	0
18/04/2023 02:20	1.9	265	50	2.8	0
18/04/2023 02:30	3.5	184	10	4.6	0
18/04/2023 02:40	3.1	186	10	4	0
18/04/2023 02:50	2.8	188	12	3.9	0
18/04/2023 03:00	2.6	193	12	3.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/04/2023 03:10	2.3	204	14	3.2	0
18/04/2023 03:20	2.6	198	11	3.5	0
18/04/2023 03:30	2.7	198	11	3.5	0
18/04/2023 03:40	2.7	190	11	3.6	0
18/04/2023 03:50	2.8	183	13	3.8	0
18/04/2023 04:00	2.3	192	13	3.3	0
18/04/2023 04:10	2.7	182	14	3.6	0
18/04/2023 04:20	3.4	178	12	4.8	0
18/04/2023 04:30	3.3	185	11	4.9	0
18/04/2023 04:40	3.8	196	10	5	0
18/04/2023 04:50	3.8	179	14	5.5	0
18/04/2023 05:00	4.2	180	13	5.5	0
18/04/2023 05:10	4.4	186	10	5.8	0
18/04/2023 05:20	3.8	187	12	5.2	0
18/04/2023 05:30	4.2	184	13	5.7	0
18/04/2023 05:40	4.2	187	13	5.7	0
18/04/2023 05:50	3.4	182	15	4.7	0
18/04/2023 06:00	3.4	186	13	4.4	0
18/04/2023 06:10	3.3	190	12	4.9	0
18/04/2023 06:20	2.2	158	26	3.6	0
18/04/2023 06:30	1.6	151	31	2.9	0
18/04/2023 06:40	1.6	150	27	2.7	0
18/04/2023 06:50	1.6	147	28	3.2	0
18/04/2023 07:00	2	157	22	3.4	0
18/04/2023 07:10	2	160	22	3	0
18/04/2023 07:20	2.2	159	22	3.8	0
18/04/2023 07:30	2	169	25	3	0
18/04/2023 07:40	1.8	168	23	2.9	0
18/04/2023 07:50	2.1	150	30	3.2	0
18/04/2023 08:00	2.4	153	23	3.7	0
18/04/2023 08:10	2.4	145	23	4.4	0
18/04/2023 08:20	2.4	141	26	4.1	0
18/04/2023 08:30	2.4	136	30	4.4	0
18/04/2023 08:40	2.7	133	31	4.4	0
18/04/2023 08:50	2.8	138	31	5.5	0
18/04/2023 09:00	3.2	134	22	5.2	0
18/04/2023 09:10	2.6	132	30	5.4	0
18/04/2023 09:20	2.2	113	33	4.4	0
18/04/2023 09:30	2.9	106	34	4.8	0
18/04/2023 09:40	3	114	29	4.8	0
18/04/2023 09:50	2.8	109	27	4.9	0
18/04/2023 10:00	2.4	103	26	4.1	0
18/04/2023 10:10	2.7	101	25	4.8	0
18/04/2023 10:20	3.6	82	12	5.2	0
18/04/2023 10:30	3.3	76	16	5	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/04/2023 10:40	4.3	66	17	6.8	0
18/04/2023 10:50	4.5	61	15	6.7	0
18/04/2023 11:00	4.8	58	13	6.8	0
18/04/2023 11:10	3.8	65	16	5.6	0
18/04/2023 11:20	4.1	63	17	6.3	0
18/04/2023 11:30	4.3	61	17	6.2	0
18/04/2023 11:40	4.1	68	13	6	0
18/04/2023 11:50	3.7	70	15	5.6	0
18/04/2023 12:00	3.6	64	16	5.3	0
18/04/2023 12:10	3.3	66	17	5	0
18/04/2023 12:20	3.8	61	15	5.8	0
18/04/2023 12:30	4.4	55	13	5.8	0
18/04/2023 12:40	4.7	58	11	6	0
18/04/2023 12:50	4	50	14	5.3	0
18/04/2023 13:00	4.1	49	14	5.9	0
18/04/2023 13:10	4.7	48	12	6.4	0
18/04/2023 13:20	4.1	45	11	5.8	0
18/04/2023 13:30	3.6	47	14	4.8	0
18/04/2023 13:40	3.7	48	13	5.2	0
18/04/2023 13:50	3.4	44	13	4.7	0
18/04/2023 14:00	4.1	41	11	5.6	0
18/04/2023 14:10	3.9	43	13	5	0
18/04/2023 14:20	3.8	42	11	4.9	0
18/04/2023 14:30	3.8	40	14	5.2	0
18/04/2023 14:40	3.8	38	14	5.5	0
18/04/2023 14:50	3.8	42	13	5.7	0
18/04/2023 15:00	4.2	46	12	5.8	0
18/04/2023 15:10	3.9	42	12	5.4	0
18/04/2023 15:20	3.9	39	12	5.3	0
18/04/2023 15:30	3.8	41	12	5	0
18/04/2023 15:40	3.5	45	13	4.7	0
18/04/2023 15:50	3.7	47	12	5.3	0
18/04/2023 16:00	3.5	44	12	4.8	0
18/04/2023 16:10	3.4	43	12	4.4	0
18/04/2023 16:20	3.3	43	14	4.6	0
18/04/2023 16:30	3.1	44	13	4.4	0
18/04/2023 16:40	3.1	44	12	4.4	0
18/04/2023 16:50	2.9	43	13	3.8	0
18/04/2023 17:00	3.1	42	11	4.4	0
18/04/2023 17:10	3	41	11	3.9	0
18/04/2023 17:20	2.8	40	13	4	0
18/04/2023 17:30	2.4	40	14	3.5	0
18/04/2023 17:40	2.1	42	12	2.9	0
18/04/2023 17:50	1.7	41	13	2.5	0
18/04/2023 18:00	1.8	37	13	2.5	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/04/2023 18:10	1.9	37	14	2.6	0
18/04/2023 18:20	1.7	38	14	2.7	0
18/04/2023 18:30	1.7	36	16	2.4	0
18/04/2023 18:40	1.6	39	13	2.4	0
18/04/2023 18:50	1.3	37	12	1.8	0
18/04/2023 19:00	1	45	13	1.4	0
18/04/2023 19:10	0.8	58	13	1.3	0
18/04/2023 19:20	0.1	84	11	0.7	0
18/04/2023 19:30	0.1	54	9	0.8	0
18/04/2023 19:40	0.4	57	16	1	0
18/04/2023 19:50	0.1	61	12	0.5	0
18/04/2023 20:00	0.1	177	13	0.5	0
18/04/2023 20:10	0.4	133	18	0.7	0
18/04/2023 20:20	0.2	123	8	0.7	0
18/04/2023 20:30	0.4	95	9	0.8	0
18/04/2023 20:40					0
18/04/2023 20:50					0
18/04/2023 21:00					0
18/04/2023 21:10	0	132	0	0.6	0
18/04/2023 21:20	0.4	99	7	0.9	0
18/04/2023 21:30	0.1	61	3	0.6	0
18/04/2023 21:40	0	57	0	0.4	0
18/04/2023 21:50	0	99	0	0.4	0
18/04/2023 22:00	0.4	102	15	0.9	0
18/04/2023 22:10	0.4	143	15	1	0
18/04/2023 22:20	1.5	163	13	2.2	0
18/04/2023 22:30	1.1	188	28	1.6	0
18/04/2023 22:40	0.6	348	20	1.2	0
18/04/2023 22:50	0.5	196	44	1.1	0
18/04/2023 23:00	2	185	20	2.8	0
18/04/2023 23:10	2.6	196	11	3.5	0
18/04/2023 23:20	2.7	196	11	3.7	0
18/04/2023 23:30	3	187	11	4.4	0
18/04/2023 23:40	2.8	178	12	4.2	0
18/04/2023 23:50	3	189	12	4	0
19/04/2023 00:00	3.3	191	12	4.4	0
19/04/2023 00:10	3.9	190	10	4.9	0
19/04/2023 00:20	4.1	191	9	5.2	0
19/04/2023 00:30	3.3	186	11	4.4	0
19/04/2023 00:40	3.8	188	9	4.5	0
19/04/2023 00:50	4.2	189	10	5.7	0
19/04/2023 01:00	4.1	190	10	5.6	0
19/04/2023 01:10	4.4	194	11	6.1	0
19/04/2023 01:20	3.5	192	10	5.1	0
19/04/2023 01:30	3.4	189	11	4.7	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/04/2023 01:40	3.3	191	11	4.4	0
19/04/2023 01:50	2.7	184	16	3.8	0
19/04/2023 02:00	1.8	176	21	2.6	0
19/04/2023 02:10	1.3	182	41	2.4	0
19/04/2023 02:20	2.3	189	14	3.3	0
19/04/2023 02:30	2.6	190	13	3.6	0
19/04/2023 02:40	2.8	186	18	4	0
19/04/2023 02:50	2.2	191	17	3.2	0
19/04/2023 03:00	2	181	17	3.2	0
19/04/2023 03:10	1.6	179	52	2.9	0
19/04/2023 03:20	1.1	269	48	2.2	0
19/04/2023 03:30	1.8	183	23	3.2	0
19/04/2023 03:40	1.7	189	20	2.6	0
19/04/2023 03:50	3	131	28	5.3	0
19/04/2023 04:00	2.8	141	33	4.7	0
19/04/2023 04:10	2.6	150	22	4.6	0
19/04/2023 04:20	2.5	142	34	4.7	0
19/04/2023 04:30	2.5	141	31	4.4	0
19/04/2023 04:40	2.5	140	27	5.1	0
19/04/2023 04:50	2.2	145	27	4.4	0
19/04/2023 05:00	2	142	36	3.4	0
19/04/2023 05:10	2.8	115	33	5	0
19/04/2023 05:20	2.5	133	35	4.8	0
19/04/2023 05:30	2.2	129	34	4.1	0
19/04/2023 05:40	2.3	127	37	5.6	0
19/04/2023 05:50	3.6	116	27	7.1	0
19/04/2023 06:00	3.9	114	24	6.4	0
19/04/2023 06:10	3.4	105	22	5.4	0
19/04/2023 06:20	4.9	86	18	8.1	0
19/04/2023 06:30	5.1	86	19	7.8	0
19/04/2023 06:40	4	95	24	7.3	0
19/04/2023 06:50	4	96	23	7.1	0
19/04/2023 07:00	4.3	104	20	7.6	0
19/04/2023 07:10	3.9	113	24	6.4	0
19/04/2023 07:20	4.4	113	28	7.9	0
19/04/2023 07:30	4.4	109	25	7.1	0
19/04/2023 07:40	4.4	102	25	8.3	0
19/04/2023 07:50	4.5	106	26	7.5	0
19/04/2023 08:00	4.7	112	19	8.6	0
19/04/2023 08:10	4.6	114	24	7.2	0
19/04/2023 08:20	4.4	108	26	6.9	0
19/04/2023 08:30	4.9	99	24	8.5	0
19/04/2023 08:40	4.8	102	27	8.1	0
19/04/2023 08:50	5	96	20	8	0
19/04/2023 09:00	5.8	90	20	8.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/04/2023 09:10	6.5	89	15	9	0
19/04/2023 09:20	6.5	88	15	9.7	0
19/04/2023 09:30	7.2	84	14	9.9	0
19/04/2023 09:40	6.3	87	15	8.6	0
19/04/2023 09:50	6.8	83	15	9.6	0
19/04/2023 10:00	6	88	16	9.1	0
19/04/2023 10:10	5.9	84	14	8.3	0
19/04/2023 10:20	6	83	13	8.2	0
19/04/2023 10:30	5.9	84	12	8	0
19/04/2023 10:40	6	86	15	8.4	0
19/04/2023 10:50	5.5	84	16	8.3	0
19/04/2023 11:00	5.4	82	14	7.3	0
19/04/2023 11:10	5.1	84	16	7.4	0
19/04/2023 11:20	5.3	78	16	7.5	0
19/04/2023 11:30	5.1	76	16	6.9	0
19/04/2023 11:40	5.3	77	15	7.4	0
19/04/2023 11:50	5.4	73	13	7.5	0
19/04/2023 12:00	5.3	73	14	7.9	0
19/04/2023 12:10	5.1	74	14	7.7	0
19/04/2023 12:20	4.2	69	16	6	0
19/04/2023 12:30	4.4	58	12	6.1	0
19/04/2023 12:40	5.1	55	12	6.9	0
19/04/2023 12:50	5	57	10	6.7	0
19/04/2023 13:00	5.1	55	11	6.7	0
19/04/2023 13:10	5	58	9	6.6	0
19/04/2023 13:20	4.6	58	11	6.5	0
19/04/2023 13:30	3.8	59	13	5.2	0
19/04/2023 13:40	3.7	57	13	4.9	0
19/04/2023 13:50	3.9	47	12	5.3	0
19/04/2023 14:00	3.9	48	12	5.2	0
19/04/2023 14:10	3.7	45	12	5.2	0
19/04/2023 14:20	3.4	44	13	5	0
19/04/2023 14:30	3.4	47	13	5.1	0
19/04/2023 14:40	3.6	45	13	4.8	0
19/04/2023 14:50	3.5	45	12	4.7	0
19/04/2023 15:00	3.7	51	11	5.3	0
19/04/2023 15:10	3.4	45	13	4.9	0
19/04/2023 15:20	3.2	47	12	4.9	0
19/04/2023 15:30	3.1	42	12	4.3	0
19/04/2023 15:40	3.3	38	13	4.3	0
19/04/2023 15:50	3	42	10	4.6	0
19/04/2023 16:00	2.9	38	12	3.9	0
19/04/2023 16:10	2.9	39	15	4	0
19/04/2023 16:20	3.3	35	14	4.6	0
19/04/2023 16:30	3.1	36	14	4.6	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/04/2023 16:40	3	39	15	4.4	0
19/04/2023 16:50	2.6	41	13	3.9	0
19/04/2023 17:00	2.4	42	13	3.6	0
19/04/2023 17:10	1.7	47	15	2.7	0
19/04/2023 17:20	1.2	54	15	1.6	0
19/04/2023 17:30	1	59	17	1.4	0
19/04/2023 17:40	1.1	53	11	1.6	0
19/04/2023 17:50	0.8	48	6	1.4	0
19/04/2023 18:00	0.3	58	8	0.7	0
19/04/2023 18:10	0.5	59	14	0.8	0
19/04/2023 18:20	0.2	75	9	0.9	0
19/04/2023 18:30	0.1	174	2	0.6	0
19/04/2023 18:40	0.3	228	16	0.9	0
19/04/2023 18:50	0.1	83	4	0.6	0
19/04/2023 19:00					0
19/04/2023 19:10					0
19/04/2023 19:20					0
19/04/2023 19:30	0.3	99	4	0.8	0
19/04/2023 19:40	0.3	87	6	0.7	0
19/04/2023 19:50	0	96	0	0.4	0
19/04/2023 20:00	0	157	0	0.4	0
19/04/2023 20:10	0	94	4	0.4	0
19/04/2023 20:20	0.2	161	16	0.5	0
19/04/2023 20:30	0.2	133	6	0.4	0
19/04/2023 20:40	0.2	110	5	0.7	0
19/04/2023 20:50	0.2	93	8	0.8	0
19/04/2023 21:00	0.1	117	4	0.8	0
19/04/2023 21:10	0.1	123	4	0.6	0
19/04/2023 21:20	0	68	3	0.4	0
19/04/2023 21:30	0	71	0	0.4	0
19/04/2023 21:40	0.1	99	5	0.6	0
19/04/2023 21:50	0	85	2	0.7	0
19/04/2023 22:00	0.2	124	11	0.8	0
19/04/2023 22:10	1	135	20	1.8	0
19/04/2023 22:20	0.6	86	39	1.2	0
19/04/2023 22:30	0.6	125	24	1.6	0
19/04/2023 22:40	1.9	130	16	2.6	0
19/04/2023 22:50	2.1	129	16	3	0
19/04/2023 23:00	2.2	132	17	2.9	0
19/04/2023 23:10	2.1	138	29	3.6	0
19/04/2023 23:20	2.2	116	18	4.1	0
19/04/2023 23:30	2	118	25	3.5	0
19/04/2023 23:40	1.3	133	30	2.5	0
19/04/2023 23:50	2	146	31	4	0
20/04/2023 00:00	2.1	142	39	4.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/04/2023 00:10	2.6	106	28	4.5	0
20/04/2023 00:20	3.1	120	28	4.6	0
20/04/2023 00:30	2.9	109	30	5.3	0
20/04/2023 00:40	2.5	112	22	4	0
20/04/2023 00:50	3.6	121	27	6.2	0
20/04/2023 01:00	3.3	116	28	6	0
20/04/2023 01:10	3.7	107	28	6.6	0
20/04/2023 01:20	4.3	114	26	7.6	0
20/04/2023 01:30	4.1	113	24	8	0
20/04/2023 01:40	4.6	113	29	7.8	0
20/04/2023 01:50	5.5	107	27	8.4	0
20/04/2023 02:00	4.8	107	26	8.7	0
20/04/2023 02:10	5	107	26	8.8	0
20/04/2023 02:20	4.7	104	24	8	0
20/04/2023 02:30	5	101	20	8.7	0
20/04/2023 02:40	4.6	108	25	7.8	0
20/04/2023 02:50	4.6	114	24	8.5	0
20/04/2023 03:00	5.2	115	23	8.3	0
20/04/2023 03:10	4.6	105	24	7.6	0
20/04/2023 03:20	4.5	108	23	7.7	0
20/04/2023 03:30	4.3	112	25	7.5	0
20/04/2023 03:40	4	113	23	7.7	0
20/04/2023 03:50	3.7	114	28	5.8	0
20/04/2023 04:00	3.8	115	26	6.6	0
20/04/2023 04:10	3.7	112	25	7.1	0
20/04/2023 04:20	3.9	116	24	6.5	0
20/04/2023 04:30	4.2	109	27	7.1	0
20/04/2023 04:40	4.1	112	24	7.7	0
20/04/2023 04:50	4.3	110	28	7.9	0
20/04/2023 05:00	4.7	108	24	7.9	0
20/04/2023 05:10	4.2	112	27	7.5	0
20/04/2023 05:20	4.6	117	23	6.9	0
20/04/2023 05:30	4.2	114	27	7.4	0
20/04/2023 05:40	3.8	107	31	7.2	0
20/04/2023 05:50	4.2	110	25	7.1	0
20/04/2023 06:00	4.3	110	31	7.9	0
20/04/2023 06:10	4.8	110	26	7.7	0
20/04/2023 06:20	5.2	114	22	8.5	0
20/04/2023 06:30	5	110	26	9.4	0
20/04/2023 06:40	5.5	106	22	8.7	0
20/04/2023 06:50	5	108	23	10.3	0
20/04/2023 07:00	5.2	104	22	8.7	0
20/04/2023 07:10	5.2	107	25	9.9	0
20/04/2023 07:20	5.7	110	22	10.3	0
20/04/2023 07:30	5.4	103	23	9.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/04/2023 07:40	5.3	108	22	9.9	0
20/04/2023 07:50	5.3	112	23	8.7	0
20/04/2023 08:00	6.1	104	23	9.6	0
20/04/2023 08:10	5.8	104	25	9.1	0
20/04/2023 08:20	5.7	99	20	9.5	0
20/04/2023 08:30	5.8	96	21	9.5	0
20/04/2023 08:40	6.2	93	22	10.6	0
20/04/2023 08:50	5.7	95	21	9.9	0
20/04/2023 09:00	6.7	87	17	10.2	0
20/04/2023 09:10	6.8	84	15	9.8	0
20/04/2023 09:20	7	86	16	10.3	0
20/04/2023 09:30	6.9	84	15	9.7	0
20/04/2023 09:40	6.1	84	14	9.1	0
20/04/2023 09:50	6.6	86	14	9.9	0
20/04/2023 10:00	6.4	88	15	9	0
20/04/2023 10:10	6.6	83	15	9.6	0
20/04/2023 10:20	6.6	83	14	9.9	0
20/04/2023 10:30	6.2	83	14	8.7	0
20/04/2023 10:40	6.3	86	15	8.8	0
20/04/2023 10:50	5.7	84	14	7.8	0
20/04/2023 11:00	6.4	81	15	9.2	0
20/04/2023 11:10	5.9	81	14	8.3	0
20/04/2023 11:20	6.1	83	15	8.9	0
20/04/2023 11:30	6	86	16	8.6	0
20/04/2023 11:40	5.6	83	15	8.3	0
20/04/2023 11:50	5.5	83	16	7.9	0
20/04/2023 12:00	5.7	84	15	8.2	0
20/04/2023 12:10	5.3	82	15	7.8	0
20/04/2023 12:20	5.3	81	14	7.4	0
20/04/2023 12:30	5	83	15	7.2	0
20/04/2023 12:40	4.7	81	14	6.5	0
20/04/2023 12:50	4.6	86	18	6.6	0
20/04/2023 13:00	4.9	85	15	6.8	0
20/04/2023 13:10	4.4	84	15	6.2	0
20/04/2023 13:20	4.6	85	14	6.8	0
20/04/2023 13:30	4.6	82	15	6.4	0
20/04/2023 13:40	4.1	76	13	6.4	0
20/04/2023 13:50	3.9	75	14	5.4	0
20/04/2023 14:00	4	73	13	5.4	0
20/04/2023 14:10	4.1	74	15	5.3	0
20/04/2023 14:20	3.7	78	17	5.4	0
20/04/2023 14:30	3.9	77	15	6	0
20/04/2023 14:40	4	77	16	6.3	0
20/04/2023 14:50	3.7	77	16	5.5	0
20/04/2023 15:00	3.4	78	16	5.1	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/04/2023 15:10	3.7	70	13	5.1	0
20/04/2023 15:20	3.5	62	14	5.2	0
20/04/2023 15:30	3.9	58	10	5	0
20/04/2023 15:40	4	56	10	5.1	0
20/04/2023 15:50	3.2	57	12	4.4	0
20/04/2023 16:00	3.4	55	11	4.7	0
20/04/2023 16:10	3.6	56	11	4.8	0
20/04/2023 16:20	3	57	12	4	0
20/04/2023 16:30	2.5	56	13	3.6	0
20/04/2023 16:40	2.1	51	16	2.9	0
20/04/2023 16:50	2.5	60	12	3.5	0
20/04/2023 17:00	2.2	57	11	3.2	0
20/04/2023 17:10	1.6	54	14	2.4	0
20/04/2023 17:20	1.2	58	18	2.2	0
20/04/2023 17:30	1	64	21	1.9	0
20/04/2023 17:40	0.6	62	17	1.2	0
20/04/2023 17:50	0.1	92	11	0.7	0
20/04/2023 18:00	0	188	9	0.4	0
20/04/2023 18:10	0.1	58	7	0.6	0
20/04/2023 18:20	0	120	0	0.4	0
20/04/2023 18:30					0
20/04/2023 18:40	0.3	214	4	0.9	0
20/04/2023 18:50	0.3	161	25	0.8	0
20/04/2023 19:00	0.4	101	13	0.9	0
20/04/2023 19:10	0.3	82	7	0.8	0
20/04/2023 19:20	0.4	9	17	1	0
20/04/2023 19:30	0.4	54	11	1.1	0
20/04/2023 19:40	0.3	56	7	0.7	0
20/04/2023 19:50	0.1	175	9	0.4	0
20/04/2023 20:00	0.2	201	27	0.7	0
20/04/2023 20:10	0.3	24	11	0.9	0
20/04/2023 20:20	0.4	41	11	1.2	0
20/04/2023 20:30	0.2	20	16	1.2	0
20/04/2023 20:40	0.2	160	16	0.7	0
20/04/2023 20:50	0.1	130	11	0.5	0
20/04/2023 21:00	0.1	80	11	0.6	0
20/04/2023 21:10	0	92	7	0.5	0
20/04/2023 21:20	1.3	125	23	3.3	0
20/04/2023 21:30	3.3	169	17	4.7	0
20/04/2023 21:40	1.8	140	25	2.9	0
20/04/2023 21:50	2.4	162	11	3.2	0
20/04/2023 22:00	2.1	157	18	3.2	0
20/04/2023 22:10	2.4	154	15	3.6	0
20/04/2023 22:20	2.5	156	12	3.5	0
20/04/2023 22:30	2.2	155	15	3.6	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/04/2023 22:40	1.9	132	19	3.3	0
20/04/2023 22:50	2	131	21	2.8	0
20/04/2023 23:00	2	132	19	2.8	0
20/04/2023 23:10	2.4	133	30	4.1	0
20/04/2023 23:20	2	129	31	3.9	0
20/04/2023 23:30	1.6	147	37	3	0
20/04/2023 23:40	2.3	114	41	4.8	0
20/04/2023 23:50	1.9	113	44	3.9	0
21/04/2023 00:00	1.7	133	45	2.6	0
21/04/2023 00:10	1.9	153	30	3.6	0
21/04/2023 00:20	2.6	151	33	4.9	0
21/04/2023 00:30	2.8	138	29	5.4	0
21/04/2023 00:40	2.4	140	31	5.4	0
21/04/2023 00:50	3.1	154	21	5.6	0
21/04/2023 01:00	3.4	162	16	4.4	0
21/04/2023 01:10	3.2	151	24	5	0
21/04/2023 01:20	2.2	120	32	4.8	0
21/04/2023 01:30	2.5	121	22	3.8	0
21/04/2023 01:40	2.8	104	20	4.4	0
21/04/2023 01:50	2.6	112	17	4.1	0
21/04/2023 02:00	3	117	20	4.5	0
21/04/2023 02:10	2.9	113	18	4.9	0
21/04/2023 02:20	2.8	116	23	4.6	0
21/04/2023 02:30	2.7	113	20	4.1	0
21/04/2023 02:40	2.8	116	23	4.6	0
21/04/2023 02:50	2.5	118	25	4	0
21/04/2023 03:00	2.7	121	21	4.5	0
21/04/2023 03:10	3.1	117	19	4.6	0
21/04/2023 03:20	3	122	17	4.4	0
21/04/2023 03:30	3.1	120	19	4.5	0
21/04/2023 03:40	2.9	114	18	4.3	0
21/04/2023 03:50	3	113	21	4.6	0
21/04/2023 04:00	2.7	109	22	4.3	0
21/04/2023 04:10	2.4	115	21	3.7	0
21/04/2023 04:20	2	107	28	3.6	0
21/04/2023 04:30	1.8	102	27	3.2	0
21/04/2023 04:40	2.4	86	18	4.1	0
21/04/2023 04:50	2.6	94	18	3.6	0
21/04/2023 05:00	2.8	116	16	4.4	0
21/04/2023 05:10	2.5	111	23	4	0
21/04/2023 05:20	2.1	111	30	3.5	0
21/04/2023 05:30	1.9	100	27	3.3	0
21/04/2023 05:40	2.3	97	24	4	0
21/04/2023 05:50	2.6	98	24	5.2	0
21/04/2023 06:00	2.8	89	19	4.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/04/2023 06:10	3.5	85	15	5.4	0
21/04/2023 06:20	3.2	92	21	5.6	0
21/04/2023 06:30	3.5	94	23	6	0
21/04/2023 06:40	3.3	86	18	5.6	0
21/04/2023 06:50	3.8	84	17	5.5	0
21/04/2023 07:00	4.2	84	19	6.5	0
21/04/2023 07:10	4.1	86	17	7.1	0
21/04/2023 07:20	3.7	89	16	5.7	0
21/04/2023 07:30	5.1	88	17	7.1	0
21/04/2023 07:40	4.8	88	17	6.4	0
21/04/2023 07:50	4.4	86	15	6.5	0
21/04/2023 08:00	4.6	83	14	6.8	0
21/04/2023 08:10	5.3	87	17	7.9	0
21/04/2023 08:20	5.1	90	17	7.4	0
21/04/2023 08:30	5	87	13	6.8	0
21/04/2023 08:40	5.3	84	14	7.5	0
21/04/2023 08:50	5.8	85	14	8.5	0
21/04/2023 09:00	6.2	86	15	9.1	0
21/04/2023 09:10	6.7	88	15	8.7	0
21/04/2023 09:20	6.9	86	15	9.9	0
21/04/2023 09:30	6.2	84	15	8.7	0
21/04/2023 09:40	6.6	83	17	8.8	0
21/04/2023 09:50	6.2	86	13	8.9	0
21/04/2023 10:00	6.4	81	15	9.2	0
21/04/2023 10:10	6	82	14	8.6	0
21/04/2023 10:20	7.1	82	14	9.5	0
21/04/2023 10:30	6.5	85	15	9.2	0
21/04/2023 10:40	6.7	87	14	9.4	0
21/04/2023 10:50	7.1	86	16	9.5	0
21/04/2023 11:00	6	87	16	8.4	0
21/04/2023 11:10	6.2	83	16	8.4	0
21/04/2023 11:20	5.9	78	14	7.7	0
21/04/2023 11:30	5.5	81	13	7.7	0
21/04/2023 11:40	5.4	78	14	8	0
21/04/2023 11:50	5.3	77	15	7.5	0
21/04/2023 12:00	5.4	75	15	7.4	0
21/04/2023 12:10	5	79	14	7.1	0
21/04/2023 12:20	4.9	76	15	7.1	0
21/04/2023 12:30	5.1	73	13	7.2	0
21/04/2023 12:40	4.6	72	15	6.4	0
21/04/2023 12:50	3.9	62	15	6	0
21/04/2023 13:00	4.9	54	12	6.5	0
21/04/2023 13:10	4.8	56	13	6.5	0
21/04/2023 13:20	4.4	57	13	6	0
21/04/2023 13:30	3.8	60	16	5.5	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/04/2023 13:40	3.4	58	16	4.8	0
21/04/2023 13:50	3.6	61	15	6.2	0
21/04/2023 14:00	3.8	57	14	5.6	0
21/04/2023 14:10	4.6	56	12	6.4	0
21/04/2023 14:20	4.8	56	13	6.4	0
21/04/2023 14:30	4.6	58	11	6.2	0
21/04/2023 14:40	3.8	49	14	5.6	0
21/04/2023 14:50	3.7	59	12	5.2	0
21/04/2023 15:00	3.5	57	14	4.4	0
21/04/2023 15:10	3.4	53	13	4.7	0
21/04/2023 15:20	3.4	47	13	4.8	0
21/04/2023 15:30	3.3	44	15	4.6	0
21/04/2023 15:40	3.6	40	11	4.4	0
21/04/2023 15:50	2.8	43	16	4.1	0
21/04/2023 16:00	2.5	43	13	3.6	0
21/04/2023 16:10	2.9	39	11	4	0
21/04/2023 16:20	3.3	41	12	4.6	0
21/04/2023 16:30	3.1	42	14	4.5	0
21/04/2023 16:40	3.3	39	14	4.7	0
21/04/2023 16:50	3.1	37	14	4.6	0
21/04/2023 17:00	3.2	39	13	4.6	0
21/04/2023 17:10	3.2	43	14	4.8	0
21/04/2023 17:20	2.8	44	13	3.8	0
21/04/2023 17:30	2.2	45	15	3.4	0
21/04/2023 17:40	1.6	50	14	2.3	0
21/04/2023 17:50	1.1	60	17	1.8	0
21/04/2023 18:00	0.8	67	20	1.5	0
21/04/2023 18:10	0.6	83	23	1.2	0
21/04/2023 18:20	0.7	92	18	1.2	0
21/04/2023 18:30	0.7	98	14	1.1	0
21/04/2023 18:40	0.8	85	16	1.4	0
21/04/2023 18:50	0.8	82	18	1.2	0
21/04/2023 19:00	0.5	99	15	1	0
21/04/2023 19:10	0.6	88	14	1.1	0
21/04/2023 19:20	0.3	96	8	0.8	0
21/04/2023 19:30	0.6	97	17	1	0
21/04/2023 19:40	0.2	114	9	0.8	0
21/04/2023 19:50	0.7	160	21	1	0
21/04/2023 20:00	0.7	126	14	1	0
21/04/2023 20:10	0.8	86	12	1.1	0
21/04/2023 20:20	0.4	62	1	0.8	0
21/04/2023 20:30	0.1	66	3	0.7	0
21/04/2023 20:40					0
21/04/2023 20:50	0.1	74	9	0.6	0
21/04/2023 21:00	0.3	90	14	1.2	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/04/2023 21:10	0.2	71	7	0.8	0
21/04/2023 21:20	0.8	35	13	1.1	0
21/04/2023 21:30	0.4	7	11	0.8	0
21/04/2023 21:40					0
21/04/2023 21:50					0
21/04/2023 22:00					0
21/04/2023 22:10					0
21/04/2023 22:20	0.1	103	2	0.6	0
21/04/2023 22:30	0.6	94	4	0.9	0
21/04/2023 22:40	0.1	103	4	1.1	0
21/04/2023 22:50	0.3	113	8	1.2	0
21/04/2023 23:00	0.7	133	23	1.6	0
21/04/2023 23:10	2	157	15	3	0
21/04/2023 23:20	3.1	172	11	4.1	0
21/04/2023 23:30	2.7	166	14	4.2	0
21/04/2023 23:40	2.8	171	10	3.7	0
21/04/2023 23:50	2.2	171	13	2.9	0
22/04/2023 00:00	2.6	173	11	4	0
22/04/2023 00:10	2.6	175	12	3.9	0
22/04/2023 00:20	2.7	174	14	4.2	0
22/04/2023 00:30	2.6	176	15	4	0
22/04/2023 00:40	2.5	167	15	4	0
22/04/2023 00:50	2.4	173	14	3.3	0
22/04/2023 01:00	2.3	179	15	3.3	0
22/04/2023 01:10	2.1	174	21	3.1	0
22/04/2023 01:20	1	13	50	1.5	0
22/04/2023 01:30	1.1	348	47	1.5	0
22/04/2023 01:40	1.3	111	84	2.3	0
22/04/2023 01:50	2	179	20	3.1	0
22/04/2023 02:00	2.4	177	14	3.5	0
22/04/2023 02:10	1.8	171	27	2.8	0
22/04/2023 02:20	1.1	264	43	2.2	0
22/04/2023 02:30	0.7	74	44	1.6	0
22/04/2023 02:40	1.8	147	20	2.6	0
22/04/2023 02:50	2.2	155	18	3.5	0
22/04/2023 03:00	2.2	152	16	3.4	0
22/04/2023 03:10	2.2	159	15	3.2	0
22/04/2023 03:20	2.4	167	18	4.4	0
22/04/2023 03:30	2.7	172	15	4	0
22/04/2023 03:40	2.9	183	13	3.8	0
22/04/2023 03:50	3.1	182	13	4.5	0
22/04/2023 04:00	3.2	183	13	4.4	0
22/04/2023 04:10	3.1	187	12	4.4	0
22/04/2023 04:20	3.6	189	12	4.8	0
22/04/2023 04:30	4.3	191	12	6.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/04/2023 04:40	5	191	10	6.4	0
22/04/2023 04:50	4.1	190	14	5.7	0
22/04/2023 05:00	4.1	192	12	5.4	0
22/04/2023 05:10	4.1	188	12	5.8	0
22/04/2023 05:20	3.9	185	14	6.1	0
22/04/2023 05:30	3.4	176	15	4.8	0
22/04/2023 05:40	3.4	169	18	5.5	0
22/04/2023 05:50	3.4	160	15	5.6	0
22/04/2023 06:00	3.5	150	23	5.5	0
22/04/2023 06:10	3.4	143	28	6	0
22/04/2023 06:20	3.1	142	28	6.9	0
22/04/2023 06:30	2.7	140	33	5.6	0
22/04/2023 06:40	2.8	120	27	4.8	0
22/04/2023 06:50	2.9	109	30	5.7	0
22/04/2023 07:00	2.9	117	23	5	0
22/04/2023 07:10	2.8	120	23	4.9	0
22/04/2023 07:20	3	115	27	5.3	0
22/04/2023 07:30	3.2	122	25	5.8	0
22/04/2023 07:40	3.4	120	23	5.6	0
22/04/2023 07:50	3.1	121	22	5.2	0
22/04/2023 08:00	2.9	120	19	4.4	0
22/04/2023 08:10	2.9	117	18	4.6	0
22/04/2023 08:20	2.3	104	23	3.6	0
22/04/2023 08:30	2.5	102	21	4.1	0
22/04/2023 08:40	2.8	122	14	4.6	0
22/04/2023 08:50	2.9	116	14	4	0
22/04/2023 09:00	2.7	103	17	4	0
22/04/2023 09:10	3.2	85	17	4.9	0
22/04/2023 09:20	3.6	85	17	5.7	0
22/04/2023 09:30	3.6	74	15	5.2	0
22/04/2023 09:40	4.1	72	13	6.4	0
22/04/2023 09:50	4.1	71	15	6.4	0
22/04/2023 10:00	4.5	75	15	6.7	0
22/04/2023 10:10	4.5	73	15	6.6	0
22/04/2023 10:20	4.4	69	15	6.6	0
22/04/2023 10:30	4.5	74	13	6.6	0
22/04/2023 10:40	5	74	15	6.8	0
22/04/2023 10:50	4.6	71	14	6.8	0
22/04/2023 11:00	4.8	71	17	6.9	0
22/04/2023 11:10	4.6	71	17	7.3	0
22/04/2023 11:20	4.3	64	16	6.6	0
22/04/2023 11:30	4.2	64	16	5.9	0
22/04/2023 11:40	4.1	59	14	6.7	0
22/04/2023 11:50	3.3	66	16	5.1	0
22/04/2023 12:00	3.2	65	15	4.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/04/2023 12:10	3.3	66	17	4.9	0
22/04/2023 12:20	3.4	74	15	4.9	0
22/04/2023 12:30	3.4	76	14	4.4	0
22/04/2023 12:40	3.3	78	14	4.4	0
22/04/2023 12:50	3.2	78	14	4.4	0
22/04/2023 13:00	2.6	66	17	4	0
22/04/2023 13:10	3.8	56	13	5.4	0
22/04/2023 13:20	4.2	59	13	6.1	0
22/04/2023 13:30	4.5	55	11	6.4	0
22/04/2023 13:40	4.7	56	10	6.1	0
22/04/2023 13:50	4.9	56	11	6.4	0
22/04/2023 14:00	5.2	57	10	6.9	0
22/04/2023 14:10	4.2	55	12	6	0
22/04/2023 14:20	3.6	52	13	5.1	0
22/04/2023 14:30	4	49	13	5.5	0
22/04/2023 14:40	3.9	56	13	5.5	0
22/04/2023 14:50	3.8	49	13	5.4	0
22/04/2023 15:00	3.8	47	12	5.1	0
22/04/2023 15:10	4.2	48	11	5.6	0
22/04/2023 15:20	3.6	50	11	4.7	0
22/04/2023 15:30	3.4	49	10	4.8	0
22/04/2023 15:40	3	48	13	4.2	0
22/04/2023 15:50	3	44	14	4	0
22/04/2023 16:00	2.9	47	12	4	0
22/04/2023 16:10	2.8	46	13	3.8	0
22/04/2023 16:20	2.6	43	15	4	0
22/04/2023 16:30	2.7	44	12	3.9	0
22/04/2023 16:40	2.4	53	14	3.2	0
22/04/2023 16:50	1.9	55	14	2.8	0
22/04/2023 17:00	1.6	58	18	2.3	0
22/04/2023 17:10	1.6	68	20	2.8	0
22/04/2023 17:20	1.6	69	16	2.1	0
22/04/2023 17:30	1.3	73	18	2	0
22/04/2023 17:40	1.3	73	20	1.8	0
22/04/2023 17:50	1.2	83	18	1.8	0
22/04/2023 18:00	1	81	21	1.6	0
22/04/2023 18:10	0.9	95	21	1.6	0
22/04/2023 18:20	1	98	20	1.5	0
22/04/2023 18:30	1.1	98	16	1.6	0
22/04/2023 18:40	1.3	97	16	1.8	0
22/04/2023 18:50	1.5	85	13	2	0
22/04/2023 19:00	1.5	84	12	2	0
22/04/2023 19:10	1.4	83	12	2	0
22/04/2023 19:20	1.2	86	12	1.9	0
22/04/2023 19:30	1.1	95	16	1.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/04/2023 19:40	1.2	97	16	2	0
22/04/2023 19:50	1.5	106	11	2.1	0
22/04/2023 20:00	1.2	111	15	1.9	0
22/04/2023 20:10	1.6	110	13	2.2	0
22/04/2023 20:20	1.4	121	16	2	0
22/04/2023 20:30	1.5	104	14	1.9	0
22/04/2023 20:40	1.6	113	11	2.4	0
22/04/2023 20:50	1.5	94	14	2.1	0
22/04/2023 21:00	1	73	12	1.6	0
22/04/2023 21:10	0.9	65	38	1.6	0
22/04/2023 21:20	0.7	70	26	1.4	0
22/04/2023 21:30	1.4	101	18	2.4	0
22/04/2023 21:40	1.6	112	16	2.3	0
22/04/2023 21:50	1.7	127	18	2.4	0
22/04/2023 22:00	1.5	125	20	2.3	0
22/04/2023 22:10	1.4	121	18	2.1	0
22/04/2023 22:20	1.8	124	19	2.7	0
22/04/2023 22:30	2	121	13	2.6	0
22/04/2023 22:40	2.1	125	20	2.8	0
22/04/2023 22:50	2.4	148	20	3.5	0
22/04/2023 23:00	2.8	159	13	3.9	0
22/04/2023 23:10	2.6	151	17	3.7	0
22/04/2023 23:20	2.4	152	15	3.6	0
22/04/2023 23:30	2.9	155	16	4	0
22/04/2023 23:40	2.6	161	16	3.6	0
22/04/2023 23:50	2.9	172	14	4.2	0
23/04/2023 00:00	3.2	163	15	4.4	0
23/04/2023 00:10	3	150	12	4.3	0
23/04/2023 00:20	3.2	156	13	4.4	0
23/04/2023 00:30	3.5	158	15	5.2	0
23/04/2023 00:40	3.4	154	15	4.8	0
23/04/2023 00:50	2.8	152	17	3.6	0
23/04/2023 01:00	3.1	157	13	4.4	0
23/04/2023 01:10	3	159	14	4.1	0
23/04/2023 01:20	3.2	155	14	4.8	0
23/04/2023 01:30	3.1	160	14	4.4	0
23/04/2023 01:40	3.1	159	13	4.2	0
23/04/2023 01:50	2.7	161	14	3.8	0
23/04/2023 02:00	2.9	166	13	4.4	0
23/04/2023 02:10	2.9	173	15	4.2	0
23/04/2023 02:20	2.8	174	14	3.9	0
23/04/2023 02:30	2.5	168	16	3.2	0
23/04/2023 02:40	2.5	178	17	4	0
23/04/2023 02:50	2.7	178	13	4.1	0
23/04/2023 03:00	2.5	180	15	3.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/04/2023 03:10	2.2	172	15	3.2	0
23/04/2023 03:20	1.8	160	21	2.8	0
23/04/2023 03:30	2.4	146	18	3.4	0
23/04/2023 03:40	2.2	149	15	3.2	0
23/04/2023 03:50	2.1	133	22	3.2	0
23/04/2023 04:00	1.8	139	21	3.1	0
23/04/2023 04:10	2.2	138	22	3.2	0
23/04/2023 04:20	2	132	20	3.6	0
23/04/2023 04:30	1.4	138	21	2.2	0
23/04/2023 04:40	1.9	145	20	3.3	0
23/04/2023 04:50	2	163	23	3.2	0
23/04/2023 05:00	1.8	153	19	3.2	0
23/04/2023 05:10	2.3	155	20	3.9	0
23/04/2023 05:20	2.4	155	18	3.5	0
23/04/2023 05:30	2.6	151	19	4.1	0
23/04/2023 05:40	2	157	21	3.3	0
23/04/2023 05:50	1.8	166	27	2.9	0
23/04/2023 06:00	2.1	144	23	3.6	0
23/04/2023 06:10	2	136	23	3.3	0
23/04/2023 06:20	1.6	134	38	3.2	0
23/04/2023 06:30	2.2	103	28	4.1	0
23/04/2023 06:40	2.4	115	26	3.8	0
23/04/2023 06:50	2.4	107	27	4.6	0
23/04/2023 07:00	2.7	108	23	4.5	0
23/04/2023 07:10	2.7	121	29	4.8	0
23/04/2023 07:20	3.1	121	22	5.2	0
23/04/2023 07:30	3	114	28	6	0
23/04/2023 07:40	2.6	122	31	5.4	0
23/04/2023 07:50	2.6	115	30	4.8	0
23/04/2023 08:00	3.3	120	31	6	0
23/04/2023 08:10	3.8	121	23	6	0
23/04/2023 08:20	3	120	26	5.9	0
23/04/2023 08:30	2.8	119	25	5.2	0
23/04/2023 08:40	2.7	121	23	4.3	0
23/04/2023 08:50	2.5	123	30	5.2	0
23/04/2023 09:00	2.9	123	29	5.8	0
23/04/2023 09:10	3.3	133	30	6	0
23/04/2023 09:20	3.6	131	20	6.2	0
23/04/2023 09:30	3.2	126	19	4.7	0
23/04/2023 09:40	3	109	21	4.9	0
23/04/2023 09:50	3.7	88	16	6	0
23/04/2023 10:00	4.4	86	15	6.8	0
23/04/2023 10:10	4.6	89	16	6.8	0
23/04/2023 10:20	4.3	90	15	6.6	0
23/04/2023 10:30	4.4	87	15	5.9	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/04/2023 10:40	4.1	86	15	6	0
23/04/2023 10:50	3.8	87	16	5.2	0
23/04/2023 11:00	3.8	77	14	5.7	0
23/04/2023 11:10	3.4	81	16	4.9	0
23/04/2023 11:20	3.7	82	15	4.9	0
23/04/2023 11:30	3.3	79	17	4.8	0
23/04/2023 11:40	3.9	75	14	5.6	0
23/04/2023 11:50	4	78	14	5.9	0
23/04/2023 12:00	3.8	79	18	5.9	0
23/04/2023 12:10	3.7	83	16	5.1	0
23/04/2023 12:20	3.9	81	15	6.1	0
23/04/2023 12:30	4.1	74	13	5.9	0
23/04/2023 12:40	3.8	75	17	5.5	0
23/04/2023 12:50	3.7	75	15	5.4	0
23/04/2023 13:00	3.1	76	19	4.5	0
23/04/2023 13:10	3.5	70	16	5	0
23/04/2023 13:20	3.9	73	12	5.1	0
23/04/2023 13:30	3.3	72	15	4.4	0
23/04/2023 13:40	2.7	56	16	3.9	0
23/04/2023 13:50	2.7	51	14	3.8	0
23/04/2023 14:00	2.6	57	15	3.7	0
23/04/2023 14:10	2.5	71	18	3.2	0
23/04/2023 14:20	2.8	72	14	3.9	0
23/04/2023 14:30	2.6	81	16	3.6	0
23/04/2023 14:40	2.5	68	19	3.6	0
23/04/2023 14:50	2.7	46	12	3.3	0
23/04/2023 15:00	2.7	52	11	3.5	0
23/04/2023 15:10	2.6	56	10	3.5	0
23/04/2023 15:20	2.6	63	9	3.2	0
23/04/2023 15:30	2.5	64	13	3.2	0
23/04/2023 15:40	2.3	56	12	3.1	0
23/04/2023 15:50	2.2	44	13	3.1	0
23/04/2023 16:00	2.4	51	13	3.2	0
23/04/2023 16:10	2	49	19	3.2	0
23/04/2023 16:20	2	49	14	2.8	0
23/04/2023 16:30	1.8	63	15	2.8	0
23/04/2023 16:40	1.8	59	16	2.8	0
23/04/2023 16:50	1.8	56	17	2.5	0
23/04/2023 17:00	1.6	57	17	2.4	0
23/04/2023 17:10	1.5	77	17	2.2	0
23/04/2023 17:20	1.6	74	13	2.2	0
23/04/2023 17:30	1.5	71	12	2.1	0
23/04/2023 17:40	1.2	65	15	2.1	0
23/04/2023 17:50	1	78	16	1.5	0
23/04/2023 18:00	0.7	92	13	1.2	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/04/2023 18:10	0.8	99	12	1.2	0
23/04/2023 18:20	0.6	96	12	1	0
23/04/2023 18:30	0.7	100	12	1	0
23/04/2023 18:40	0.4	109	15	1	0
23/04/2023 18:50	0.1	133	2	0.8	0
23/04/2023 19:00	0.2	114	17	0.7	0
23/04/2023 19:10	0.2	126	3	0.6	0
23/04/2023 19:20	0.6	210	27	0.8	0
23/04/2023 19:30	0.3	292	14	0.8	0
23/04/2023 19:40	0.5	293	22	1	0
23/04/2023 19:50	0.7	276	14	1.1	0
23/04/2023 20:00	0.9	273	13	1.3	0
23/04/2023 20:10	1	291	17	1.4	0
23/04/2023 20:20	0.9	302	19	1.6	0
23/04/2023 20:30	0.6	287	31	1	0
23/04/2023 20:40	0.3	296	24	0.8	0
23/04/2023 20:50	0.7	287	19	1.2	0
23/04/2023 21:00	0.9	294	15	1.2	0
23/04/2023 21:10	0.9	292	18	1.3	0
23/04/2023 21:20	0.7	309	20	1.2	0
23/04/2023 21:30	0.2	232	4	0.8	0
23/04/2023 21:40	1.1	158	11	1.8	0
23/04/2023 21:50	1.6	175	14	2.7	0
23/04/2023 22:00	1.7	187	17	2.6	0
23/04/2023 22:10	2	199	15	3	0
23/04/2023 22:20	1	117	18	1.6	0
23/04/2023 22:30	0.7	2	17	1.4	0
23/04/2023 22:40	0.5	347	10	1.2	0
23/04/2023 22:50	0.6	340	9	1.2	0
23/04/2023 23:00	0.7	283	28	1.2	0
23/04/2023 23:10	0.6	330	31	1.1	0
23/04/2023 23:20	0.5	341	12	1.1	0
23/04/2023 23:30	0.8	287	42	1.2	0
23/04/2023 23:40	0.6	149	50	1.1	0
23/04/2023 23:50	0.3	16	32	0.8	0
24/04/2023 00:00	0.9	119	71	1.4	0
24/04/2023 00:10	0.6	318	31	1.1	0
24/04/2023 00:20	0.5	323	11	1	0
24/04/2023 00:30	1.1	316	13	1.4	0
24/04/2023 00:40	1.1	333	5	1.3	0
24/04/2023 00:50	0.5	353	25	1.4	0
24/04/2023 01:00					0
24/04/2023 01:10	0.6	187	25	0.8	0
24/04/2023 01:20	0.1	98	1	0.6	0
24/04/2023 01:30					0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/04/2023 01:40					0
24/04/2023 01:50					0
24/04/2023 02:00	0.3	182	4	0.7	0
24/04/2023 02:10	0.7	348	17	1.1	0
24/04/2023 02:20	0.2	152	12	0.8	0
24/04/2023 02:30					0
24/04/2023 02:40	0.5	342	9	0.9	0
24/04/2023 02:50	0.3	311	15	0.6	0
24/04/2023 03:00	0.5	347	7	1	0
24/04/2023 03:10	0.2	167	2	0.8	0
24/04/2023 03:20	0.1	186	15	0.6	0
24/04/2023 03:30					0
24/04/2023 03:40	0.1	330	2	0.7	0
24/04/2023 03:50	0.3	222	22	0.8	0
24/04/2023 04:00	0.4	160	8	0.8	0
24/04/2023 04:10	0.4	191	22	1.2	0
24/04/2023 04:20	0.5	189	26	0.8	0
24/04/2023 04:30	0.8	16	34	1.4	0
24/04/2023 04:40	0.7	23	27	1.1	0
24/04/2023 04:50	0.6	120	60	1.4	0
24/04/2023 05:00	1	113	46	1.8	0
24/04/2023 05:10	0.5	178	17	1.2	0
24/04/2023 05:20	0.3	10	32	0.8	0
24/04/2023 05:30	0.9	93	58	2	0
24/04/2023 05:40	2.3	185	22	3.5	0
24/04/2023 05:50	2.4	181	14	3.4	0
24/04/2023 06:00	1.6	89	49	2.8	0
24/04/2023 06:10	0.8	30	23	1.5	0
24/04/2023 06:20	1.9	122	64	3.1	0
24/04/2023 06:30	3	172	19	4.5	0
24/04/2023 06:40	3.3	168	14	4.5	0
24/04/2023 06:50	3.4	168	13	5.2	0
24/04/2023 07:00	3.1	172	16	4.4	0
24/04/2023 07:10	3.4	175	14	4.7	0
24/04/2023 07:20	3.3	182	13	4.8	0
24/04/2023 07:30	3	170	20	4.5	0
24/04/2023 07:40	3.2	181	15	4.4	0
24/04/2023 07:50	2	172	27	3.4	0
24/04/2023 08:00	1.9	141	24	3.6	0
24/04/2023 08:10	1.9	92	27	3	0
24/04/2023 08:20	2.4	93	16	3.5	0
24/04/2023 08:30	2.3	98	15	3	0
24/04/2023 08:40	2	98	19	2.6	0
24/04/2023 08:50	1.8	83	18	2.4	0
24/04/2023 09:00	1.8	79	14	2.7	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/04/2023 09:10	2.1	82	12	2.6	0
24/04/2023 09:20	2.1	84	13	2.7	0
24/04/2023 09:30	2	72	12	2.6	0
24/04/2023 09:40	2.1	77	16	3	0
24/04/2023 09:50	2.1	74	15	2.8	0
24/04/2023 10:00	1.8	63	17	2.5	0
24/04/2023 10:10	2	62	17	2.7	0
24/04/2023 10:20	2.1	80	17	2.8	0
24/04/2023 10:30	2.1	76	21	3.2	0
24/04/2023 10:40	2.7	59	17	3.7	0
24/04/2023 10:50	4	48	11	5.4	0
24/04/2023 11:00	3.8	45	13	5.1	0
24/04/2023 11:10	3.6	46	12	4.9	0
24/04/2023 11:20	3.5	46	12	5.1	0
24/04/2023 11:30	3.5	51	14	4.6	0
24/04/2023 11:40	3.3	49	14	4.8	0
24/04/2023 11:50	3.3	43	14	4.9	0
24/04/2023 12:00	3.7	44	12	4.9	0
24/04/2023 12:10	3.9	45	12	5.1	0
24/04/2023 12:20	3.6	44	14	5	0
24/04/2023 12:30	3.1	50	14	4.2	0
24/04/2023 12:40	3.1	53	13	4.2	0
24/04/2023 12:50	3.2	54	13	4.3	0
24/04/2023 13:00	3.6	52	13	4.7	0
24/04/2023 13:10	3.3	55	13	4.7	0
24/04/2023 13:20	3.3	54	15	4.4	0
24/04/2023 13:30	3.2	52	15	4.3	0
24/04/2023 13:40	3.2	53	14	4.4	0
24/04/2023 13:50	3.2	52	12	4.1	0
24/04/2023 14:00	3.2	52	12	4.1	0
24/04/2023 14:10	3	54	12	4	0
24/04/2023 14:20	2.8	52	14	3.9	0
24/04/2023 14:30	3	53	14	4.1	0
24/04/2023 14:40	3.1	57	14	4	0
24/04/2023 14:50	3.1	48	14	4.3	0
24/04/2023 15:00	2.9	47	13	4.3	0
24/04/2023 15:10	3.3	47	14	4.9	0
24/04/2023 15:20	3.1	47	14	4.5	0
24/04/2023 15:30	2.9	46	15	4.1	0
24/04/2023 15:40	3	54	13	4.3	0
24/04/2023 15:50	2.6	57	13	3.6	0
24/04/2023 16:00	2.5	54	13	3.9	0
24/04/2023 16:10	2	57	17	2.8	0
24/04/2023 16:20	2.2	53	15	3.1	0
24/04/2023 16:30	1.9	62	17	2.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/04/2023 16:40	1.8	72	16	2.6	0
24/04/2023 16:50	2	74	20	3.3	0
24/04/2023 17:00	1.4	83	18	2.8	0
24/04/2023 17:10	2	65	13	2.8	0
24/04/2023 17:20	1.9	62	12	2.6	0
24/04/2023 17:30	2.1	55	10	2.7	0
24/04/2023 17:40	1.9	52	10	2.5	0
24/04/2023 17:50	1.9	52	9	2.4	0
24/04/2023 18:00	1.5	52	14	2	0
24/04/2023 18:10	0.9	145	35	1.3	0
24/04/2023 18:20	0.9	160	34	1.5	0
24/04/2023 18:30	1	167	20	1.5	0
24/04/2023 18:40	0.5	213	26	1.1	0
24/04/2023 18:50	1.2	281	15	1.9	0
24/04/2023 19:00	1.8	304	14	2.5	0
24/04/2023 19:10	2	293	13	3.1	0
24/04/2023 19:20	2.1	313	17	3.5	0
24/04/2023 19:30	2	324	14	2.7	0
24/04/2023 19:40	2	312	14	3.3	0
24/04/2023 19:50	1.7	295	18	2.4	0
24/04/2023 20:00	1.1	333	21	1.8	0
24/04/2023 20:10	0.3	270	36	1.1	0
24/04/2023 20:20	0.9	286	25	2	0
24/04/2023 20:30	1.4	330	27	1.9	0
24/04/2023 20:40	1.7	306	16	2.2	0
24/04/2023 20:50	1.8	301	14	2.8	0
24/04/2023 21:00	1.6	319	16	2.3	0
24/04/2023 21:10	0.8	181	38	1.2	0
24/04/2023 21:20	0.2	328	6	1	0
24/04/2023 21:30	1.3	321	15	1.7	0
24/04/2023 21:40	1.1	334	22	2	0
24/04/2023 21:50	1.7	287	17	2.6	0
24/04/2023 22:00	1.8	289	18	2.8	0
24/04/2023 22:10	1.2	256	26	2	0
24/04/2023 22:20	1.7	267	22	2.4	0
24/04/2023 22:30	2	308	17	2.8	0
24/04/2023 22:40	1.6	267	21	2.5	0
24/04/2023 22:50	1.3	271	33	2.1	0
24/04/2023 23:00	1.8	263	18	2.8	0
24/04/2023 23:10	1.8	259	21	3.1	0
24/04/2023 23:20	1.5	270	41	2.9	0
24/04/2023 23:30	1.3	273	57	2.4	0
24/04/2023 23:40	0.9	193	42	1.5	0
24/04/2023 23:50	0.9	234	38	1.6	0
25/04/2023 00:00	0.9	202	51	1.8	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/04/2023 00:10	0.6	275	62	1.7	0
25/04/2023 00:20	1	235	35	1.7	0
25/04/2023 00:30	0.7	226	61	1.9	0
25/04/2023 00:40	0.6	194	64	1.7	0
25/04/2023 00:50	1.5	192	30	2.7	0
25/04/2023 01:00	1.8	199	30	3	0
25/04/2023 01:10	2.2	196	20	3.4	0
25/04/2023 01:20	1.2	208	38	2.5	0
25/04/2023 01:30	1.1	211	44	2.2	0
25/04/2023 01:40	0.7	254	41	1.9	0
25/04/2023 01:50	1	223	41	2	0
25/04/2023 02:00	0.9	229	38	2.1	0
25/04/2023 02:10	1.1	209	51	2	0
25/04/2023 02:20	1.2	212	30	2.6	0
25/04/2023 02:30	1.2	217	41	2.5	0
25/04/2023 02:40	1.2	203	28	1.8	0
25/04/2023 02:50	1.3	192	17	1.9	0
25/04/2023 03:00	1.9	198	16	2.8	0
25/04/2023 03:10	2.3	197	11	2.9	0
25/04/2023 03:20	2.1	196	14	3.4	0
25/04/2023 03:30	1.5	212	29	2.4	0
25/04/2023 03:40	1.6	213	20	2.6	0
25/04/2023 03:50	1.6	203	22	2.6	0
25/04/2023 04:00	1.4	206	22	2.4	0
25/04/2023 04:10	1.3	203	24	2.4	0
25/04/2023 04:20	1.1	209	35	2	0
25/04/2023 04:30	0.9	198	51	1.8	0
25/04/2023 04:40	1.1	205	37	2	0
25/04/2023 04:50	0.8	254	44	1.5	0
25/04/2023 05:00	0.8	318	26	1.5	0
25/04/2023 05:10	1.1	310	11	1.6	0
25/04/2023 05:20	1	276	14	1.4	0
25/04/2023 05:30	0.9	196	19	1.6	0
25/04/2023 05:40	0.9	196	29	1.4	0
25/04/2023 05:50	0.7	264	31	1.3	0
25/04/2023 06:00	1	243	22	1.9	0
25/04/2023 06:10	1.4	237	30	2.7	0
25/04/2023 06:20	1.1	232	37	1.9	0
25/04/2023 06:30	1.3	229	33	2.4	0
25/04/2023 06:40	0.9	188	41	1.9	0
25/04/2023 06:50	1.1	192	45	1.7	0
25/04/2023 07:00	1.3	212	36	2.5	0
25/04/2023 07:10	0.7	213	48	1.6	0
25/04/2023 07:20	1.5	193	26	2.7	0
25/04/2023 07:30	1.5	204	19	2.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/04/2023 07:40	1	235	43	1.6	0
25/04/2023 07:50	0.8	247	35	1.5	0
25/04/2023 08:00	0.9	262	20	1.6	0
25/04/2023 08:10	1	203	61	1.6	0
25/04/2023 08:20	1.3	239	27	2.2	0
25/04/2023 08:30	1.5	275	35	2.4	0
25/04/2023 08:40	1.5	257	42	2.8	0
25/04/2023 08:50	2.1	307	22	3.3	0
25/04/2023 09:00	2.1	291	27	3.5	0
25/04/2023 09:10	2.1	275	30	3.4	0
25/04/2023 09:20	1.6	247	41	3.2	0
25/04/2023 09:30	2.1	274	29	3.3	0
25/04/2023 09:40	2.4	281	29	4.5	0
25/04/2023 09:50	2.1	294	25	3.4	0
25/04/2023 10:00	2.1	282	26	3.2	0
25/04/2023 10:10	2.2	281	37	4.1	0
25/04/2023 10:20	2.7	279	23	4.4	0
25/04/2023 10:30	2.5	275	22	3.6	0
25/04/2023 10:40	2.5	266	26	3.8	0
25/04/2023 10:50	2.6	287	26	3.7	0
25/04/2023 11:00	2.4	298	29	3.6	0
25/04/2023 11:10	1.9	294	38	3.4	0
25/04/2023 11:20	2.5	305	24	3.9	0
25/04/2023 11:30	2.5	295	25	3.7	0
25/04/2023 11:40	2.4	297	27	3.7	0
25/04/2023 11:50	2.1	298	34	3.4	0
25/04/2023 12:00	2.4	299	22	3.7	0
25/04/2023 12:10	2.3	283	23	3.5	0
25/04/2023 12:20	2.6	283	22	3.7	0
25/04/2023 12:30	2.7	272	25	4.2	0
25/04/2023 12:40	2.7	285	24	4.1	0
25/04/2023 12:50	2.5	269	32	3.9	0
25/04/2023 13:00	2.4	248	33	4.4	0
25/04/2023 13:10	2.9	262	24	4.8	0
25/04/2023 13:20	2.9	268	21	4.1	0
25/04/2023 13:30	3	260	21	4.3	0
25/04/2023 13:40	2.8	265	24	4.5	0
25/04/2023 13:50	2.9	267	24	4.5	0
25/04/2023 14:00	2.6	277	25	3.9	0
25/04/2023 14:10	2.6	274	28	4.2	0
25/04/2023 14:20	2.6	266	25	4	0
25/04/2023 14:30	2.7	260	22	4	0
25/04/2023 14:40	2.6	266	27	3.8	0
25/04/2023 14:50	2.5	266	20	3.5	0
25/04/2023 15:00	2.3	273	20	3.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/04/2023 15:10	2.2	271	21	3.4	0
25/04/2023 15:20	2.1	274	21	3.5	0
25/04/2023 15:30	2.4	269	19	3.4	0
25/04/2023 15:40	2.3	264	21	3.3	0
25/04/2023 15:50	2.1	283	24	3.1	0
25/04/2023 16:00	2.2	267	18	2.9	0
25/04/2023 16:10	2.3	270	18	3.4	0
25/04/2023 16:20	2.7	272	19	4.3	0
25/04/2023 16:30	2.4	280	22	3.6	0
25/04/2023 16:40	2.1	278	25	3.4	0
25/04/2023 16:50	2.2	284	24	3.7	0
25/04/2023 17:00	2.3	274	21	3.7	0
25/04/2023 17:10	2.3	277	22	3.9	0
25/04/2023 17:20	2.6	279	20	4	0
25/04/2023 17:30	2.4	283	21	4	0
25/04/2023 17:40	2.1	287	22	3.3	0
25/04/2023 17:50	2.2	275	19	3.8	0
25/04/2023 18:00	2	280	19	2.8	0
25/04/2023 18:10	2	278	24	3.2	0
25/04/2023 18:20	1.8	291	24	2.8	0
25/04/2023 18:30	2.2	280	20	3.8	0
25/04/2023 18:40	2.3	281	20	3.4	0
25/04/2023 18:50	2.2	283	15	3.2	0
25/04/2023 19:00	1.9	290	14	2.5	0
25/04/2023 19:10	2.4	279	19	3.6	0
25/04/2023 19:20	2	286	22	3.4	0
25/04/2023 19:30	1.2	258	54	2	0
25/04/2023 19:40	1.7	280	19	2.4	0
25/04/2023 19:50	2.3	281	14	3.3	0
25/04/2023 20:00	1.5	285	27	2.3	0
25/04/2023 20:10	1.5	267	36	2.7	0
25/04/2023 20:20	1.4	281	29	2.7	0
25/04/2023 20:30	1.7	279	33	2.9	0
25/04/2023 20:40	1.4	272	37	2.3	0
25/04/2023 20:50	1.4	261	36	2.5	0
25/04/2023 21:00	1	316	42	2.2	0
25/04/2023 21:10	1.5	250	34	2.8	0
25/04/2023 21:20	1.3	199	42	2.5	0
25/04/2023 21:30	1.3	238	43	3.4	0
25/04/2023 21:40	1.3	212	39	2.8	0
25/04/2023 21:50	2	215	38	3.8	0
25/04/2023 22:00	2.2	216	31	3.6	0
25/04/2023 22:10	3.5	200	17	5.5	0
25/04/2023 22:20	3.7	195	15	5.2	0
25/04/2023 22:30	3.8	193	14	5.3	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/04/2023 22:40	3.1	203	16	4.6	0
25/04/2023 22:50	3.6	194	13	5.3	0
25/04/2023 23:00	3.3	199	13	4.5	0
25/04/2023 23:10	3.3	193	11	4.7	0
25/04/2023 23:20	3.2	196	12	4.7	0
25/04/2023 23:30	3.1	201	12	4.4	0
25/04/2023 23:40	3.6	194	13	5.2	0
25/04/2023 23:50	3.9	193	12	5.3	0
26/04/2023 00:00	3.5	198	12	4.8	0
26/04/2023 00:10	3.5	194	13	5.1	0
26/04/2023 00:20	3.9	194	13	5.9	0
26/04/2023 00:30	4.5	193	11	6.4	0
26/04/2023 00:40	4.1	189	11	6.2	0
26/04/2023 00:50	4.3	190	12	6	0
26/04/2023 01:00	4.4	191	11	6	0
26/04/2023 01:10	4.1	193	12	5.5	0
26/04/2023 01:20	4.2	194	12	5.9	0
26/04/2023 01:30	4	197	12	5.7	0
26/04/2023 01:40	3.4	194	12	4.9	0
26/04/2023 01:50	3.8	194	11	5.8	0
26/04/2023 02:00	3.7	196	13	5.2	0
26/04/2023 02:10	2.7	210	19	3.9	0
26/04/2023 02:20	2.4	217	19	3.9	0
26/04/2023 02:30	2.9	204	16	4.2	0
26/04/2023 02:40	3.6	199	10	5.1	0
26/04/2023 02:50	3.5	196	9	4.6	0
26/04/2023 03:00	3.5	199	12	5	0
26/04/2023 03:10	3.7	194	10	5.2	0
26/04/2023 03:20	4	194	10	5.2	0
26/04/2023 03:30	4.4	194	11	5.9	0
26/04/2023 03:40	4.3	197	11	5.4	0
26/04/2023 03:50	3.9	197	10	5.6	0
26/04/2023 04:00	4.1	197	9	5.5	0
26/04/2023 04:10	4.4	196	9	5.6	0
26/04/2023 04:20	4.4	196	10	5.7	0
26/04/2023 04:30	4.4	195	9	5.7	0
26/04/2023 04:40	4.4	195	9	5.5	0
26/04/2023 04:50	4.7	193	9	5.7	0
26/04/2023 05:00	4.8	198	8	5.7	0
26/04/2023 05:10	4.7	195	9	6	0
26/04/2023 05:20	4.7	192	10	5.9	0
26/04/2023 05:30	4.5	195	9	5.9	0
26/04/2023 05:40	4.1	191	10	5.2	0
26/04/2023 05:50	4.2	190	11	5.6	0
26/04/2023 06:00	3.9	190	11	5.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/04/2023 06:10	4.1	193	12	5.6	0
26/04/2023 06:20	3.7	190	12	4.8	0
26/04/2023 06:30	3.8	191	12	5.3	0
26/04/2023 06:40	4.3	193	11	5.6	0
26/04/2023 06:50	3.9	191	9	5.2	0
26/04/2023 07:00	4.3	193	9	5.8	0
26/04/2023 07:10	4.1	190	11	5.8	0
26/04/2023 07:20	4.5	191	11	6.1	0
26/04/2023 07:30	4.9	193	10	6.1	0
26/04/2023 07:40	4.6	189	12	6.4	0
26/04/2023 07:50	4.6	191	10	6.1	0
26/04/2023 08:00	4.8	197	8	6	0
26/04/2023 08:10	4	203	10	5.4	0
26/04/2023 08:20	3.6	205	12	4.8	0
26/04/2023 08:30	3.9	202	9	4.9	0
26/04/2023 08:40	4	199	10	5	0
26/04/2023 08:50	3.8	197	10	5	0
26/04/2023 09:00	3.8	197	10	5	0
26/04/2023 09:10	3.5	198	10	4.5	0
26/04/2023 09:20	3.1	187	15	4.3	0
26/04/2023 09:30	3.3	196	11	4.4	0
26/04/2023 09:40	2.7	187	14	4	0
26/04/2023 09:50	2.4	181	24	3.8	0
26/04/2023 10:00	1.8	168	29	3.3	0
26/04/2023 10:10	1.9	170	30	3.2	0
26/04/2023 10:20	1.9	134	23	2.9	0
26/04/2023 10:30	2.1	137	27	3.2	0
26/04/2023 10:40	2	102	32	3.1	0
26/04/2023 10:50	2	46	13	2.7	0
26/04/2023 11:00	1.9	39	15	2.4	0
26/04/2023 11:10	1.9	47	16	2.7	0
26/04/2023 11:20	2	72	18	2.6	0
26/04/2023 11:30	2.1	63	16	3.2	0
26/04/2023 11:40	2.3	46	15	3	0
26/04/2023 11:50	2.4	53	10	2.9	0
26/04/2023 12:00	2.4	54	11	3.6	0
26/04/2023 12:10	3.1	54	12	4.1	0
26/04/2023 12:20	3.3	46	11	4.4	0
26/04/2023 12:30	3.6	56	9	4.8	0
26/04/2023 12:40	3.3	56	13	4.6	0
26/04/2023 12:50	3.1	55	11	4.4	0
26/04/2023 13:00	3	56	14	4	0
26/04/2023 13:10	3.2	49	13	4.3	0
26/04/2023 13:20	2.9	49	13	4.2	0
26/04/2023 13:30	2.9	60	15	4.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/04/2023 13:40	1.9	306	53	3.5	0
26/04/2023 13:50	2.9	284	25	5.1	0
26/04/2023 14:00	3.4	265	27	5.6	0
26/04/2023 14:10	3.5	270	20	5.4	0
26/04/2023 14:20	2.8	269	24	4.4	0
26/04/2023 14:30	3.1	283	25	4.7	0
26/04/2023 14:40	3.2	272	23	5.1	0
26/04/2023 14:50	3.2	272	22	4.5	0
26/04/2023 15:00	3.4	278	23	5.2	0
26/04/2023 15:10	2.8	271	21	4.4	0
26/04/2023 15:20	2.8	274	20	4.3	0
26/04/2023 15:30	2.8	277	26	4.4	0
26/04/2023 15:40	2.6	278	29	4.5	0
26/04/2023 15:50	2.8	277	22	4	0
26/04/2023 16:00	3	278	18	4.5	0
26/04/2023 16:10	2.7	274	22	4.4	0
26/04/2023 16:20	2.8	270	19	4	0
26/04/2023 16:30	2.7	271	23	4	0
26/04/2023 16:40	2.9	280	20	4.5	0
26/04/2023 16:50	2.9	274	23	4.6	0
26/04/2023 17:00	2.9	276	17	4.7	0
26/04/2023 17:10	2.8	279	18	4.4	0
26/04/2023 17:20	2.9	278	19	4.5	0
26/04/2023 17:30	2	275	25	3.9	0
26/04/2023 17:40	2.3	281	22	4	0
26/04/2023 17:50	2.9	272	20	4.4	0
26/04/2023 18:00	2.6	274	20	4.6	0
26/04/2023 18:10	2.4	267	20	3.9	0
26/04/2023 18:20	2.3	270	20	3.8	0
26/04/2023 18:30	2.6	271	19	4	0
26/04/2023 18:40	2.2	281	22	3.6	0
26/04/2023 18:50	2.2	269	17	3.2	0
26/04/2023 19:00	2.2	270	21	3.5	0
26/04/2023 19:10	1.8	272	42	2.9	0
26/04/2023 19:20	2.4	273	20	3.9	0
26/04/2023 19:30	2.2	276	32	3.6	0
26/04/2023 19:40	2.4	273	23	4	0
26/04/2023 19:50	1.7	237	46	3.6	0
26/04/2023 20:00	1.8	235	46	3.1	0
26/04/2023 20:10	2.1	244	33	3.7	0
26/04/2023 20:20	1.4	237	48	2.4	0
26/04/2023 20:30	1.2	243	52	2	0
26/04/2023 20:40	1.5	280	27	2.6	0
26/04/2023 20:50	1.1	254	47	2	0
26/04/2023 21:00	1	272	52	2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/04/2023 21:10	1.6	260	30	3.2	0
26/04/2023 21:20	1.5	247	41	2.8	0
26/04/2023 21:30	1.7	277	26	2.8	0
26/04/2023 21:40	1.5	278	39	2.8	0
26/04/2023 21:50	1.4	274	31	2.5	0
26/04/2023 22:00	1.3	251	43	2.4	0
26/04/2023 22:10	0.7	235	57	1.6	0
26/04/2023 22:20	1.3	263	45	2.4	0
26/04/2023 22:30	1.6	285	24	2.8	0
26/04/2023 22:40	0.7	244	54	1.7	0
26/04/2023 22:50	1.5	287	34	2.7	0
26/04/2023 23:00	1.7	290	17	2.6	0
26/04/2023 23:10	1.5	300	20	2.5	0
26/04/2023 23:20	1.5	300	19	2.4	0
26/04/2023 23:30	1.8	288	23	2.8	0
26/04/2023 23:40	1.1	302	41	2.2	0
26/04/2023 23:50	1.3	284	31	2.2	0
27/04/2023 00:00	1.3	285	31	2.5	0
27/04/2023 00:10	1.7	282	20	2.8	0
27/04/2023 00:20	0.8	229	55	2.2	0
27/04/2023 00:30	1.6	290	21	2.5	0
27/04/2023 00:40	1.8	276	26	2.8	0
27/04/2023 00:50	1.6	276	30	3	0
27/04/2023 01:00	1.6	263	39	3.1	0
27/04/2023 01:10	1.1	278	40	2	0
27/04/2023 01:20	1.6	283	19	2.4	0
27/04/2023 01:30	1.5	275	25	2.5	0
27/04/2023 01:40	0.9	219	53	2.1	0
27/04/2023 01:50	1	264	32	1.9	0
27/04/2023 02:00	1.4	300	16	2	0
27/04/2023 02:10	1.4	288	18	1.9	0
27/04/2023 02:20	1.3	280	17	2	0
27/04/2023 02:30	0.6	239	43	1.6	0
27/04/2023 02:40	1.2	315	20	1.8	0
27/04/2023 02:50	1.3	301	11	1.8	0
27/04/2023 03:00	1.2	280	12	1.6	0
27/04/2023 03:10	1.2	297	12	1.8	0
27/04/2023 03:20	1.5	301	15	2.5	0
27/04/2023 03:30	1.6	304	15	2.4	0
27/04/2023 03:40	1.3	289	18	2	0
27/04/2023 03:50	1.2	305	18	2	0
27/04/2023 04:00	0.7	252	24	1.2	0
27/04/2023 04:10	0.4	311	35	1.2	0
27/04/2023 04:20	1.1	191	23	1.5	0
27/04/2023 04:30	0.4	289	23	0.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/04/2023 04:40	1	169	8	1.4	0
27/04/2023 04:50	0.8	308	47	1.2	0
27/04/2023 05:00	0.8	109	8	1.2	0
27/04/2023 05:10	1	238	13	1.6	0
27/04/2023 05:20	1.6	276	9	2.1	0
27/04/2023 05:30	0.7	186	25	1.2	0
27/04/2023 05:40	0.3	207	40	0.8	0
27/04/2023 05:50	0.8	225	41	1.2	0
27/04/2023 06:00	0.7	187	17	0.9	0
27/04/2023 06:10	0.6	233	34	1.2	0
27/04/2023 06:20	0.3	214	8	1.2	0
27/04/2023 06:30	0.9	308	12	1.3	0
27/04/2023 06:40	0.6	147	38	1.2	0
27/04/2023 06:50	1.1	332	16	1.5	0
27/04/2023 07:00	0.9	159	46	1.3	0
27/04/2023 07:10	1.1	312	38	1.6	0
27/04/2023 07:20	0.3	203	18	1.3	0
27/04/2023 07:30	1.9	142	24	3	0
27/04/2023 07:40	2.2	150	15	3.2	0
27/04/2023 07:50	2.1	147	18	3.2	0
27/04/2023 08:00	1.7	128	18	2.8	0
27/04/2023 08:10	2.1	140	20	3.2	0
27/04/2023 08:20	1.8	141	22	3.1	0
27/04/2023 08:30	1.9	117	18	2.8	0
27/04/2023 08:40	1.9	109	14	2.7	0
27/04/2023 08:50	1.7	109	12	2.5	0
27/04/2023 09:00	1.9	111	17	2.8	0
27/04/2023 09:10	2.1	123	15	3.2	0
27/04/2023 09:20	2.2	129	18	3.2	0
27/04/2023 09:30	2.4	127	16	3.4	0
27/04/2023 09:40	2.4	121	12	3.5	0
27/04/2023 09:50	2.2	122	16	2.8	0
27/04/2023 10:00	1.7	136	24	2.8	0
27/04/2023 10:10	1.6	110	19	2.4	0
27/04/2023 10:20	1.7	87	17	2.5	0
27/04/2023 10:30	2	85	16	2.7	0
27/04/2023 10:40	2.3	59	11	3	0
27/04/2023 10:50	2.1	53	12	2.7	0
27/04/2023 11:00	2	67	13	2.8	0
27/04/2023 11:10	2.1	68	12	2.8	0
27/04/2023 11:20	2.1	54	9	2.8	0
27/04/2023 11:30	2.1	54	12	2.8	0
27/04/2023 11:40	2.3	73	16	3.2	0
27/04/2023 11:50	2.7	80	14	3.4	0
27/04/2023 12:00	2.6	86	16	3.8	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/04/2023 12:10	3.1	81	13	4.4	0
27/04/2023 12:20	2.8	69	14	3.8	0
27/04/2023 12:30	3	75	11	4.3	0
27/04/2023 12:40	3	77	14	4	0
27/04/2023 12:50	3.1	76	15	4.6	0
27/04/2023 13:00	2.8	74	13	3.6	0
27/04/2023 13:10	2.9	70	16	3.9	0
27/04/2023 13:20	2.8	61	13	4.2	0
27/04/2023 13:30	2.5	66	18	3.6	0
27/04/2023 13:40	3.2	57	14	4.6	0
27/04/2023 13:50	4.2	58	11	5.2	0
27/04/2023 14:00	3.6	55	11	4.7	0
27/04/2023 14:10	3.3	53	13	4.5	0
27/04/2023 14:20	3.3	51	13	4.7	0
27/04/2023 14:30	3.6	52	11	4.6	0
27/04/2023 14:40	3.2	50	13	4.4	0
27/04/2023 14:50	2.8	51	13	4.3	0
27/04/2023 15:00	2.4	59	14	3.4	0
27/04/2023 15:10	2.4	60	15	3.6	0
27/04/2023 15:20	2.7	49	14	3.9	0
27/04/2023 15:30	2.9	43	14	4	0
27/04/2023 15:40	3.1	46	14	4.3	0
27/04/2023 15:50	2.8	51	13	3.9	0
27/04/2023 16:00	2.8	52	13	4.1	0
27/04/2023 16:10	2.7	52	13	3.9	0
27/04/2023 16:20	2.4	54	16	3.2	0
27/04/2023 16:30	2.3	52	16	3.3	0
27/04/2023 16:40	2.2	55	13	3	0
27/04/2023 16:50	2.2	61	14	3.1	0
27/04/2023 17:00	2	53	12	3.1	0
27/04/2023 17:10	2	66	11	2.8	0
27/04/2023 17:20	2	66	12	2.6	0
27/04/2023 17:30	1.9	64	12	2.5	0
27/04/2023 17:40	1.6	61	13	2.1	0
27/04/2023 17:50	1.3	63	15	2	0
27/04/2023 18:00	0.7	78	19	1.4	0
27/04/2023 18:10	0.1	148	5	0.8	0
27/04/2023 18:20	0.3	182	11	0.9	0
27/04/2023 18:30					0
27/04/2023 18:40					0
27/04/2023 18:50	0	268	2	0.4	0
27/04/2023 19:00	0.6	292	11	1.2	0
27/04/2023 19:10	0.9	293	13	1.4	0
27/04/2023 19:20	1.1	312	14	1.5	0
27/04/2023 19:30	0.9	311	10	1.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/04/2023 19:40	1.1	316	10	1.4	0
27/04/2023 19:50	0.9	296	9	1.2	0
27/04/2023 20:00	0.9	285	11	1.2	0
27/04/2023 20:10	1.3	271	15	1.9	0
27/04/2023 20:20	1.3	232	25	2	0
27/04/2023 20:30	1.4	280	17	2	0
27/04/2023 20:40	0.8	288	18	1.6	0
27/04/2023 20:50	1.3	263	21	1.8	0
27/04/2023 21:00	1.4	263	14	2	0
27/04/2023 21:10	1.3	276	18	2	0
27/04/2023 21:20	0.9	295	17	1.7	0
27/04/2023 21:30	0.7	288	14	1.1	0
27/04/2023 21:40	0.5	302	11	1.1	0
27/04/2023 21:50	0.5	299	12	0.9	0
27/04/2023 22:00	0.7	243	13	1.6	0
27/04/2023 22:10	1.7	205	10	2.3	0
27/04/2023 22:20	1.2	205	17	1.8	0
27/04/2023 22:30	1.4	201	9	1.9	0
27/04/2023 22:40	0.5	214	19	1	0
27/04/2023 22:50	1.3	197	14	1.9	0
27/04/2023 23:00	1.3	197	19	2	0
27/04/2023 23:10	1.3	200	18	1.9	0
27/04/2023 23:20	1.4	204	12	1.8	0
27/04/2023 23:30	0.8	197	16	1.6	0
27/04/2023 23:40	0.4	226	32	1.2	0
27/04/2023 23:50	1.2	195	25	1.7	0
28/04/2023 00:00	1.5	214	25	2.6	0
28/04/2023 00:10	1.7	200	18	2.6	0
28/04/2023 00:20	1.4	188	24	2.4	0
28/04/2023 00:30	1.5	191	15	2.4	0
28/04/2023 00:40	1.6	211	23	3	0
28/04/2023 00:50	0.8	229	47	1.7	0
28/04/2023 01:00	1.6	202	23	2.7	0
28/04/2023 01:10	1.8	220	32	3.1	0
28/04/2023 01:20	1.3	202	58	2.8	0
28/04/2023 01:30	0.8	136	49	1.3	0
28/04/2023 01:40	0.9	285	56	1.5	0
28/04/2023 01:50	0.6	267	44	1.7	0
28/04/2023 02:00	1.9	200	25	3	0
28/04/2023 02:10	3.3	200	18	5	0
28/04/2023 02:20	3.1	195	11	4.5	0
28/04/2023 02:30	3.3	194	12	4.3	0
28/04/2023 02:40	2.5	195	14	3.7	0
28/04/2023 02:50	2.5	188	15	3.6	0
28/04/2023 03:00	2.7	189	14	3.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/04/2023 03:10	2.8	188	14	4	0
28/04/2023 03:20	2.8	183	12	4	0
28/04/2023 03:30	2.9	182	14	4.3	0
28/04/2023 03:40	3.9	187	11	5	0
28/04/2023 03:50	3.8	183	11	5.2	0
28/04/2023 04:00	3.4	188	10	4.4	0
28/04/2023 04:10	3.6	187	10	4.8	0
28/04/2023 04:20	3.1	184	13	4	0
28/04/2023 04:30	2.5	179	14	3.5	0
28/04/2023 04:40	2.2	179	16	3.3	0
28/04/2023 04:50	2	149	16	3.1	0
28/04/2023 05:00	2	167	19	3.1	0
28/04/2023 05:10	2.1	177	12	2.9	0
28/04/2023 05:20	2	170	16	3.2	0
28/04/2023 05:30	2.1	146	16	3	0
28/04/2023 05:40	1.8	156	15	2.7	0
28/04/2023 05:50	1.5	149	17	2.3	0
28/04/2023 06:00	1.3	120	17	2.3	0
28/04/2023 06:10	1.6	125	18	2.5	0
28/04/2023 06:20	1.9	135	17	2.9	0
28/04/2023 06:30	1.7	127	19	2.6	0
28/04/2023 06:40	1.8	150	21	2.8	0
28/04/2023 06:50	1.8	179	16	2.8	0
28/04/2023 07:00	2.2	195	12	3.1	0
28/04/2023 07:10	2.7	192	10	3.8	0
28/04/2023 07:20	2.8	192	12	3.9	0
28/04/2023 07:30	2.2	186	15	3.2	0
28/04/2023 07:40	2.5	189	17	3.4	0
28/04/2023 07:50	2	185	20	2.8	0
28/04/2023 08:00	1.8	153	29	2.7	0
28/04/2023 08:10	1.8	125	19	2.8	0
28/04/2023 08:20	1.8	136	22	3.2	0
28/04/2023 08:30	2.3	112	20	3.5	0
28/04/2023 08:40	2.2	120	20	3.3	0
28/04/2023 08:50	2.1	100	21	3.2	0
28/04/2023 09:00	2.2	102	21	3.2	0
28/04/2023 09:10	2.2	122	18	3.2	0
28/04/2023 09:20	2.2	114	19	3.1	0
28/04/2023 09:30	2.6	122	20	4.1	0
28/04/2023 09:40	2.5	105	20	4.4	0
28/04/2023 09:50	2.7	123	21	4.2	0
28/04/2023 10:00	2.2	119	23	3.2	0
28/04/2023 10:10	2.6	104	20	3.8	0
28/04/2023 10:20	3.3	84	13	4.6	0
28/04/2023 10:30	2.3	97	16	3.4	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/04/2023 10:40	2.6	81	13	3.8	0
28/04/2023 10:50	2.2	85	15	3.2	0
28/04/2023 11:00	2.5	87	16	3.4	0
28/04/2023 11:10	2.8	85	14	3.8	0
28/04/2023 11:20	2.6	77	15	3.8	0
28/04/2023 11:30	2.9	59	14	4.2	0
28/04/2023 11:40	3.5	61	11	4.3	0
28/04/2023 11:50	3.3	56	10	4.4	0
28/04/2023 12:00	3.6	59	11	4.8	0
28/04/2023 12:10	3.5	56	13	4.8	0
28/04/2023 12:20	3.3	54	12	4.5	0
28/04/2023 12:30	3.8	58	10	4.9	0
28/04/2023 12:40	3	63	15	4.3	0
28/04/2023 12:50	3	70	17	4.8	0
28/04/2023 13:00	4	55	9	5.1	0
28/04/2023 13:10	2.6	64	18	4.2	0
28/04/2023 13:20	2.3	61	18	3.1	0
28/04/2023 13:30	2.4	75	16	3.2	0
28/04/2023 13:40	2.2	76	16	3.2	0
28/04/2023 13:50	2.2	55	15	3.1	0
28/04/2023 14:00	2.3	49	12	3.2	0
28/04/2023 14:10	1.9	46	14	2.8	0
28/04/2023 14:20	2.1	47	13	3	0
28/04/2023 14:30	1.9	52	16	2.5	0
28/04/2023 14:40	1.8	56	15	2.4	0
28/04/2023 14:50	1.8	46	12	2.7	0
28/04/2023 15:00	1.8	50	13	2.6	0
28/04/2023 15:10	1.7	52	15	2.4	0
28/04/2023 15:20	1.7	62	13	2.3	0
28/04/2023 15:30	1.8	48	13	2.5	0
28/04/2023 15:40	1.6	55	14	2.3	0
28/04/2023 15:50	1.5	60	11	2.1	0
28/04/2023 16:00	1.2	69	17	1.6	0
28/04/2023 16:10	1.1	54	15	1.6	0
28/04/2023 16:20	1.3	66	16	2	0
28/04/2023 16:30	1.7	55	12	2.3	0
28/04/2023 16:40	1.4	60	17	2.2	0
28/04/2023 16:50	1	84	24	1.5	0
28/04/2023 17:00	1.1	83	22	1.7	0
28/04/2023 17:10	1.1	84	17	1.9	0
28/04/2023 17:20	0.8	71	19	1.5	0
28/04/2023 17:30	0.5	123	22	1	0
28/04/2023 17:40	0.3	170	10	0.8	0
28/04/2023 17:50	0.8	214	30	1.2	0
28/04/2023 18:00	0.9	147	28	1.6	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/04/2023 18:10	0.7	90	20	1.3	0
28/04/2023 18:20	0.3	123	14	0.8	0
28/04/2023 18:30	1	185	9	1.3	0
28/04/2023 18:40	1	180	12	1.3	0
28/04/2023 18:50	0.9	169	13	1.2	0
28/04/2023 19:00	0.4	147	8	0.9	0
28/04/2023 19:10					0
28/04/2023 19:20	0.2	154	6	0.9	0
28/04/2023 19:30	0.5	166	16	1	0
28/04/2023 19:40	0.1	155	10	0.8	0
28/04/2023 19:50	0.5	172	6	0.8	0
28/04/2023 20:00	0.8	189	6	1	0
28/04/2023 20:10	0.6	171	13	0.9	0
28/04/2023 20:20	0.5	120	11	0.8	0
28/04/2023 20:30	0.4	122	16	0.8	0
28/04/2023 20:40	0.4	154	7	0.9	0
28/04/2023 20:50	0	149	0	0.4	0
28/04/2023 21:00	0.1	40	0	0.8	0
28/04/2023 21:10					0
28/04/2023 21:20					0
28/04/2023 21:30					0
28/04/2023 21:40					0
28/04/2023 21:50					0
28/04/2023 22:00					0
28/04/2023 22:10					0
28/04/2023 22:20					0
28/04/2023 22:30					0
28/04/2023 22:40	0.2	196	3	0.8	0
28/04/2023 22:50	0.2	54	10	0.8	0
28/04/2023 23:00					0
28/04/2023 23:10					0
28/04/2023 23:20	0.5	187	5	0.9	0
28/04/2023 23:30	0.3	114	3	0.8	0
28/04/2023 23:40	0.8	101	19	1.7	0
28/04/2023 23:50	0.8	69	26	1.3	0
29/04/2023 00:00	0.7	101	28	1.2	0
29/04/2023 00:10	1.2	145	17	1.9	0
29/04/2023 00:20	1.1	144	18	1.7	0
29/04/2023 00:30	1.1	149	14	1.7	0
29/04/2023 00:40	1.5	178	13	2.1	0
29/04/2023 00:50	1	142	22	1.3	0
29/04/2023 01:00	1.2	145	11	2	0
29/04/2023 01:10	1.7	175	17	2.5	0
29/04/2023 01:20	2	182	15	2.8	0
29/04/2023 01:30	2.3	187	14	3.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/04/2023 01:40	2	176	17	3	0
29/04/2023 01:50	1.8	170	15	2.7	0
29/04/2023 02:00	1.5	167	20	2.2	0
29/04/2023 02:10	2	156	15	3.2	0
29/04/2023 02:20	2.3	173	21	3.2	0
29/04/2023 02:30	2.2	148	21	3.3	0
29/04/2023 02:40	2.2	157	16	3.4	0
29/04/2023 02:50	2.5	156	19	3.7	0
29/04/2023 03:00	2.6	133	26	5	0
29/04/2023 03:10	2.4	120	35	4.1	0
29/04/2023 03:20	2.2	118	25	3.6	0
29/04/2023 03:30	2.1	122	24	3.4	0
29/04/2023 03:40	2.2	124	30	3.6	0
29/04/2023 03:50	2.6	118	29	4.6	0
29/04/2023 04:00	3	125	19	4.2	0
29/04/2023 04:10	2.9	117	20	4.3	0
29/04/2023 04:20	2.8	112	22	4.3	0
29/04/2023 04:30	2.6	122	22	4.4	0
29/04/2023 04:40	3.1	114	26	5.6	0
29/04/2023 04:50	3.2	115	21	5	0
29/04/2023 05:00	2.9	105	22	4.6	0
29/04/2023 05:10	3.2	93	24	5.5	0
29/04/2023 05:20	3.6	88	19	5.7	0
29/04/2023 05:30	3.3	89	20	5.4	0
29/04/2023 05:40	3.2	90	20	5.4	0
29/04/2023 05:50	2.4	99	30	4.3	0
29/04/2023 06:00	2.7	101	25	5.8	0
29/04/2023 06:10	3.8	86	21	6.2	0
29/04/2023 06:20	4	109	23	6.8	0
29/04/2023 06:30	4	99	25	7.2	0
29/04/2023 06:40	4.6	93	21	8.7	0
29/04/2023 06:50	4.6	96	26	7.9	0
29/04/2023 07:00	4.6	95	21	7.9	0
29/04/2023 07:10	4.7	97	23	8.2	0
29/04/2023 07:20	4.2	111	26	6.6	0
29/04/2023 07:30	4.6	107	25	7.7	0
29/04/2023 07:40	5	99	21	8	0
29/04/2023 07:50	4.9	102	24	8.9	0
29/04/2023 08:00	4.9	105	26	8.5	0
29/04/2023 08:10	4.7	96	23	7.7	0
29/04/2023 08:20	5.1	103	25	9.2	0
29/04/2023 08:30	4.8	95	25	8.7	0
29/04/2023 08:40	5.4	92	23	8.9	0
29/04/2023 08:50	5.1	92	21	8.7	0
29/04/2023 09:00	5.5	89	21	9.5	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/04/2023 09:10	6.3	86	19	9.5	0
29/04/2023 09:20	5.3	98	22	9.5	0
29/04/2023 09:30	5.5	95	22	7.9	0
29/04/2023 09:40	5.7	88	16	9.1	0
29/04/2023 09:50	6.6	84	14	9	0
29/04/2023 10:00	6.3	83	14	8.9	0
29/04/2023 10:10	6.5	80	12	8.7	0
29/04/2023 10:20	5.9	86	15	8.4	0
29/04/2023 10:30	6.4	84	12	8.4	0
29/04/2023 10:40	5.6	84	15	7.6	0
29/04/2023 10:50	5.4	84	15	7.4	0
29/04/2023 11:00	5.2	85	16	7.6	0
29/04/2023 11:10	5.3	77	16	7.7	0
29/04/2023 11:20	4.6	70	15	6.8	0
29/04/2023 11:30	4.9	74	14	7.3	0
29/04/2023 11:40	4.6	69	13	6.6	0
29/04/2023 11:50	5.3	70	13	7.5	0
29/04/2023 12:00	4.7	70	15	6.9	0
29/04/2023 12:10	4.6	71	16	6.3	0
29/04/2023 12:20	4.4	68	15	6.8	0
29/04/2023 12:30	4.6	61	15	6.9	0
29/04/2023 12:40	5.1	56	13	7	0
29/04/2023 12:50	4.9	59	11	6.8	0
29/04/2023 13:00	4.5	54	12	6.3	0
29/04/2023 13:10	4.2	54	13	6.2	0
29/04/2023 13:20	4.2	51	15	6.5	0
29/04/2023 13:30	4.3	50	12	6	0
29/04/2023 13:40	4.1	49	12	5.9	0
29/04/2023 13:50	4.1	49	15	6.3	0
29/04/2023 14:00	4.1	44	13	5.9	0
29/04/2023 14:10	4	42	12	5.6	0
29/04/2023 14:20	3.9	42	14	5.6	0
29/04/2023 14:30	3.7	39	14	4.9	0
29/04/2023 14:40	4	38	13	5.4	0
29/04/2023 14:50	3.8	38	15	5.6	0
29/04/2023 15:00	3.8	38	15	5.2	0
29/04/2023 15:10	3.5	37	15	5.1	0
29/04/2023 15:20	4.3	35	13	5.9	0
29/04/2023 15:30	4.7	30	14	6.2	0
29/04/2023 15:40	4.8	32	14	6.8	0
29/04/2023 15:50	4.5	33	15	6	0
29/04/2023 16:00	4.5	36	14	6.7	0
29/04/2023 16:10	4.5	33	12	6	0
29/04/2023 16:20	3.6	29	14	5.5	0
29/04/2023 16:30	3.9	30	13	5.5	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/04/2023 16:40	4.6	26	12	6.2	0
29/04/2023 16:50	3.5	29	14	4.9	0
29/04/2023 17:00	3.2	26	15	4.5	0
29/04/2023 17:10	3.5	24	13	5.1	0
29/04/2023 17:20	3.1	19	12	4.6	0
29/04/2023 17:30	3.1	19	12	4.7	0
29/04/2023 17:40	2.7	18	13	4	0
29/04/2023 17:50	2.2	9	15	3.9	0
29/04/2023 18:00	1.5	345	18	2.3	0
29/04/2023 18:10	1.4	341	30	2.4	0
29/04/2023 18:20	1.1	345	24	2.3	0
29/04/2023 18:30	0.9	292	42	1.5	0
29/04/2023 18:40	1.3	314	19	2	0
29/04/2023 18:50	1.2	319	18	1.6	0
29/04/2023 19:00	0.5	279	26	1.2	0
29/04/2023 19:10	0.9	303	25	1.5	0
29/04/2023 19:20	1.2	309	17	1.8	0
29/04/2023 19:30	1.3	309	13	1.8	0
29/04/2023 19:40	1.5	311	12	2	0
29/04/2023 19:50	1.5	311	11	2	0
29/04/2023 20:00	1	323	19	1.2	0
29/04/2023 20:10	0.2	345	20	0.8	0
29/04/2023 20:20					0
29/04/2023 20:30					0
29/04/2023 20:40	0.6	185	19	1	0
29/04/2023 20:50	0.6	158	19	0.9	0
29/04/2023 21:00	0.3	154	22	0.7	0
29/04/2023 21:10	0	150	2	0.6	0
29/04/2023 21:20	0.3	176	16	0.8	0
29/04/2023 21:30					0
29/04/2023 21:40	0.3	221	3	0.8	0
29/04/2023 21:50	0.3	296	30	0.8	0
29/04/2023 22:00					0
29/04/2023 22:10	0.5	211	12	0.8	0
29/04/2023 22:20	0.9	193	6	1.1	0
29/04/2023 22:30	0.8	154	15	1.1	0
29/04/2023 22:40	0.3	100	3	0.9	0
29/04/2023 22:50	0.2	87	23	0.8	0
29/04/2023 23:00	0.6	122	15	1.6	0
29/04/2023 23:10	1.5	164	16	2.2	0
29/04/2023 23:20	1.4	140	27	2.2	0
29/04/2023 23:30	2.2	156	18	3	0
29/04/2023 23:40	2.7	163	16	3.7	0
29/04/2023 23:50	1.9	153	25	3.4	0
30/04/2023 00:00	3	170	18	4.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/04/2023 00:10	2.8	165	24	4	0
30/04/2023 00:20	2.5	153	19	4.4	0
30/04/2023 00:30	2.8	151	20	4.4	0
30/04/2023 00:40	3	155	17	4.4	0
30/04/2023 00:50	2.3	137	27	3.7	0
30/04/2023 01:00	2.2	125	30	4.6	0
30/04/2023 01:10	3.1	115	23	6	0
30/04/2023 01:20	3	100	23	5.4	0
30/04/2023 01:30	3.6	96	19	5.6	0
30/04/2023 01:40	3.5	99	20	5.4	0
30/04/2023 01:50	3.5	116	22	6.4	0
30/04/2023 02:00	3.6	116	22	6.4	0
30/04/2023 02:10	3.3	119	22	6.4	0
30/04/2023 02:20	3.4	112	24	6.4	0
30/04/2023 02:30	3.7	111	23	6.6	0
30/04/2023 02:40	3.3	105	17	5.4	0
30/04/2023 02:50	3	112	24	4.8	0
30/04/2023 03:00	3.2	108	19	5	0
30/04/2023 03:10	3.4	116	21	5.7	0
30/04/2023 03:20	3.8	115	17	6	0
30/04/2023 03:30	3.5	106	20	5.6	0
30/04/2023 03:40	3.2	106	22	5.6	0
30/04/2023 03:50	3.9	85	15	6.2	0
30/04/2023 04:00	4.5	88	16	6.5	0
30/04/2023 04:10	4.6	87	17	6.9	0
30/04/2023 04:20	4.8	87	13	6.4	0
30/04/2023 04:30	5	90	14	7.1	0
30/04/2023 04:40	5	88	14	6.6	0
30/04/2023 04:50	4.5	89	15	7.1	0
30/04/2023 05:00	3.9	101	21	5.4	0
30/04/2023 05:10	3.8	103	21	6	0
30/04/2023 05:20	4.2	107	22	7.1	0
30/04/2023 05:30	4	94	23	6.7	0
30/04/2023 05:40	4.2	93	19	7	0
30/04/2023 05:50	4.6	86	19	6.9	0
30/04/2023 06:00	4.4	96	21	6.4	0
30/04/2023 06:10	4.5	96	17	6.7	0
30/04/2023 06:20	4.5	96	22	7.2	0
30/04/2023 06:30	4.6	89	17	6.8	0
30/04/2023 06:40	4.6	93	20	7.8	0
30/04/2023 06:50	4.6	99	18	6.8	0
30/04/2023 07:00	4.8	95	19	7.2	0
30/04/2023 07:10	4.4	100	20	6.8	0
30/04/2023 07:20	4.6	100	19	7.9	0
30/04/2023 07:30	5.4	100	17	9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/04/2023 07:40	4.3	106	21	6.8	0
30/04/2023 07:50	4.8	108	24	7.5	0
30/04/2023 08:00	5	107	20	7.8	0
30/04/2023 08:10	4.8	112	21	7.6	0
30/04/2023 08:20	4.6	106	23	7.6	0
30/04/2023 08:30	4.5	107	25	7.9	0
30/04/2023 08:40	4.5	103	23	7.7	0
30/04/2023 08:50	4.7	103	23	8	0
30/04/2023 09:00	4.7	93	19	7.5	0
30/04/2023 09:10	5.3	87	14	8.2	0
30/04/2023 09:20	5.2	90	15	7.6	0
30/04/2023 09:30	5.5	86	13	7.5	0
30/04/2023 09:40	5.3	85	14	7.2	0
30/04/2023 09:50	5.7	88	15	7.9	0
30/04/2023 10:00	5.5	85	15	7.4	0
30/04/2023 10:10	6	88	15	8	0
30/04/2023 10:20	5.8	87	13	8	0
30/04/2023 10:30	5.4	82	14	8	0
30/04/2023 10:40	5.5	84	14	7.8	0
30/04/2023 10:50	5.2	83	18	7.4	0
30/04/2023 11:00	5.1	78	14	7.1	0
30/04/2023 11:10	4.9	81	15	6.7	0
30/04/2023 11:20	5.1	81	15	7	0
30/04/2023 11:30	4.9	82	13	7	0
30/04/2023 11:40	4.6	80	17	6.5	0
30/04/2023 11:50	4.8	76	13	6.2	0
30/04/2023 12:00	4.2	71	14	5.8	0
30/04/2023 12:10	4.2	67	16	5.6	0
30/04/2023 12:20	4.6	61	12	6.7	0
30/04/2023 12:30	4.4	59	13	6.3	0
30/04/2023 12:40	4.6	58	14	6.2	0
30/04/2023 12:50	4.9	58	13	6.4	0
30/04/2023 13:00	4.8	60	10	6.5	0
30/04/2023 13:10	4.5	55	12	6	0
30/04/2023 13:20	4.7	57	12	6.6	0
30/04/2023 13:30	4.3	60	12	5.8	0
30/04/2023 13:40	4.2	60	14	5.6	0
30/04/2023 13:50	4.2	59	14	5.6	0
30/04/2023 14:00	4	60	13	5.5	0
30/04/2023 14:10	4.2	58	11	5.9	0
30/04/2023 14:20	3.9	58	13	5.5	0
30/04/2023 14:30	3.6	55	13	5.1	0
30/04/2023 14:40	3.3	52	15	4.8	0
30/04/2023 14:50	3.3	50	13	4.6	0
30/04/2023 15:00	3.5	48	12	4.6	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/04/2023 15:10	3.2	46	13	4.5	0
30/04/2023 15:20	3.1	45	12	4.1	0
30/04/2023 15:30	2.8	39	17	3.9	0
30/04/2023 15:40	2.5	41	18	3.9	0
30/04/2023 15:50	2.9	41	15	3.9	0
30/04/2023 16:00	2.5	46	14	3.8	0
30/04/2023 16:10	2.4	48	12	3.4	0
30/04/2023 16:20	2.2	46	14	3.1	0
30/04/2023 16:30	2.2	46	14	2.9	0
30/04/2023 16:40	2	46	11	2.6	0
30/04/2023 16:50	1.5	47	11	2.3	0
30/04/2023 17:00	1.7	52	11	2	0
30/04/2023 17:10	1.9	52	13	2.4	0
30/04/2023 17:20	1.8	52	12	2.8	0
30/04/2023 17:30	1.8	59	14	2.4	0
30/04/2023 17:40	1.4	66	12	2	0
30/04/2023 17:50	1.2	75	15	1.8	0
30/04/2023 18:00	1.2	76	12	1.8	0
30/04/2023 18:10	1.1	93	20	1.9	0
30/04/2023 18:20	0.9	91	25	1.3	0
30/04/2023 18:30	0.7	99	26	1.3	0
30/04/2023 18:40	0.8	106	24	1.5	0
30/04/2023 18:50	0.2	66	23	1	0
30/04/2023 19:00	0.6	87	14	1	0
30/04/2023 19:10	0.8	82	9	1.2	0
30/04/2023 19:20	0.9	70	8	1.2	0
30/04/2023 19:30	0.8	72	9	1.3	0
30/04/2023 19:40	0.3	87	12	0.8	0
30/04/2023 19:50	0.1	102	8	0.5	0
30/04/2023 20:00					0
30/04/2023 20:10	0.5	351	12	0.8	0
30/04/2023 20:20	0.4	313	6	0.8	0
30/04/2023 20:30					0
30/04/2023 20:40					0
30/04/2023 20:50					0
30/04/2023 21:00	0.3	277	6	0.8	0
30/04/2023 21:10	1	302	9	1.2	0
30/04/2023 21:20	0.6	264	41	1	0
30/04/2023 21:30	0.8	162	20	1.8	0
30/04/2023 21:40	1.3	257	14	1.7	0
30/04/2023 21:50	1.6	217	20	2.2	0
30/04/2023 22:00	1.5	227	21	2.1	0
30/04/2023 22:10	1.2	220	17	1.6	0
30/04/2023 22:20	1.5	225	15	2.1	0
30/04/2023 22:30	1.7	201	14	2.7	0





Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/04/2023 22:40	1.5	221	31	2.8	0
30/04/2023 22:50	1.3	219	30	2	0
30/04/2023 23:00	1.3	214	29	2.3	0
30/04/2023 23:10	1.2	217	30	2	0
30/04/2023 23:20	1.1	209	32	1.7	0
30/04/2023 23:30	1	209	30	1.6	0
30/04/2023 23:40	0.8	203	37	1.5	0
30/04/2023 23:50	1.1	235	34	1.9	0
05/01/2023 00:00	1	275	26	1.7	0
01/05/2023 00:20	0.7	245	47	1.4	0.00
01/05/2023 00:30	0.6	254	54	1.6	0.00
01/05/2023 00:40	0.4	247	32	1.0	0.00
01/05/2023 00:50	0.7	192	27	1.2	0.00
01/05/2023 01:00	0.1	212	8	0.5	0.00
01/05/2023 01:10	0.2	239	38	0.8	0.00
01/05/2023 01:20	1.0	190	9	1.3	0.00
01/05/2023 01:30	0.8	111	34	1.1	0.00
01/05/2023 01:40	0.6	323	30	1.1	0.00
01/05/2023 01:50	0.8	277	13	1.2	0.00
01/05/2023 02:00	1.1	261	10	1.4	0.00
01/05/2023 02:10	0.9	249	12	1.2	0.00
01/05/2023 02:20	0.2	129	14	0.7	0.00
01/05/2023 02:30	0.0	196	8	0.4	0.00
01/05/2023 02:40					0.00
01/05/2023 02:50	0.1	10	3	0.6	0.00
01/05/2023 03:00	0.1	8	3	0.6	0.00
01/05/2023 03:10	0.1	350	2	0.6	0.00
01/05/2023 03:20	0.4	185	4	0.9	0.00
01/05/2023 03:30	0.5	337	15	1.1	0.00
01/05/2023 03:40	0.5	122	16	1.1	0.00
01/05/2023 03:50	1.0	151	31	1.6	0.00
01/05/2023 04:00	1.4	123	15	2.2	0.00
01/05/2023 04:10	1.7	115	19	2.4	0.00
01/05/2023 04:20	1.8	131	19	2.4	0.00
01/05/2023 04:30	1.9	120	18	2.8	0.00
01/05/2023 04:40	2.0	128	21	3.2	0.00
01/05/2023 04:50	2.2	138	24	3.2	0.00
01/05/2023 05:00	1.6	133	32	2.7	0.00
01/05/2023 05:10	1.6	144	23	2.6	0.00
01/05/2023 05:20	2.0	153	25	3.4	0.00
01/05/2023 05:30	1.9	122	26	3.0	0.00
01/05/2023 05:40	1.8	158	31	3.2	0.00
01/05/2023 05:50	2.2	133	25	3.5	0.00
01/05/2023 06:00	3.0	115	20	4.4	0.00
01/05/2023 06:10	2.4	106	25	4.4	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/05/2023 06:20	2.7	102	20	4.3	0.00
01/05/2023 06:30	2.6	105	24	4.7	0.00
01/05/2023 06:40	2.8	126	25	4.7	0.00
01/05/2023 06:50	2.5	107	22	4.1	0.00
01/05/2023 07:00	2.5	116	26	4.8	0.00
01/05/2023 07:10	2.9	114	24	4.2	0.00
01/05/2023 07:20	2.8	116	19	4.8	0.00
01/05/2023 07:30	2.3	104	23	4.0	0.00
01/05/2023 07:40	3.1	114	21	4.8	0.00
01/05/2023 07:50	3.0	115	18	4.9	0.00
01/05/2023 08:00	2.8	114	20	4.8	0.00
01/05/2023 08:10	2.4	120	28	3.7	0.00
01/05/2023 08:20	2.5	113	29	4.4	0.00
01/05/2023 08:30	2.6	119	22	4.6	0.00
01/05/2023 08:40	2.4	114	18	4.2	0.00
01/05/2023 08:50	2.4	111	22	4.2	0.00
01/05/2023 09:00	2.1	108	21	3.7	0.00
01/05/2023 09:10	2.3	117	22	3.6	0.00
01/05/2023 09:20	2.2	117	19	3.3	0.00
01/05/2023 09:30	2.4	118	21	4.0	0.00
01/05/2023 09:40	2.3	86	13	3.2	0.00
01/05/2023 09:50	2.2	107	21	3.3	0.00
01/05/2023 10:00	2.6	104	18	4.4	0.00
01/05/2023 10:10	2.7	112	24	4.2	0.00
01/05/2023 10:20	2.6	113	25	4.4	0.00
01/05/2023 10:30	2.3	107	23	3.7	0.00
01/05/2023 10:40	2.4	116	17	3.5	0.00
01/05/2023 10:50	2.5	114	19	3.7	0.00
01/05/2023 11:00	2.3	92	25	3.5	0.00
01/05/2023 11:10	2.6	84	14	3.8	0.00
01/05/2023 11:20	2.3	71	16	3.0	0.00
01/05/2023 11:30	2.1	71	14	2.8	0.00
01/05/2023 11:40	1.9	64	17	2.7	0.00
01/05/2023 11:50	1.7	66	18	2.3	0.00
01/05/2023 12:00	1.8	60	17	2.6	0.00
01/05/2023 12:10	2.8	50	8	3.4	0.00
01/05/2023 12:20	2.3	55	15	3.3	0.00
01/05/2023 12:30	2.3	46	12	3.2	0.00
01/05/2023 12:40	2.3	50	13	3.2	0.00
01/05/2023 12:50	2.8	43	13	3.6	0.00
01/05/2023 13:00	2.5	44	17	3.8	0.00
01/05/2023 13:10	2.8	52	13	3.6	0.00
01/05/2023 13:20	2.5	54	12	3.2	0.00
01/05/2023 13:30	2.4	47	17	3.2	0.00
01/05/2023 13:40	2.6	38	14	3.4	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/05/2023 13:50	2.7	48	16	3.6	0.00
01/05/2023 14:00	2.8	46	12	3.6	0.00
01/05/2023 14:10	3.0	50	13	3.9	0.00
01/05/2023 14:20	2.7	53	13	3.6	0.00
01/05/2023 14:30	2.7	48	15	3.6	0.00
01/05/2023 14:40	2.7	52	13	3.5	0.00
01/05/2023 14:50	2.8	53	12	3.7	0.00
01/05/2023 15:00	2.8	56	12	3.6	0.00
01/05/2023 15:10	2.6	54	13	3.3	0.00
01/05/2023 15:20	2.9	49	13	3.7	0.00
01/05/2023 15:30	2.6	52	11	3.4	0.00
01/05/2023 15:40	2.5	54	11	3.4	0.00
01/05/2023 15:50	2.3	54	12	3.2	0.00
01/05/2023 16:00	2.1	51	15	2.8	0.00
01/05/2023 16:10	1.9	58	16	2.7	0.00
01/05/2023 16:20	1.6	70	19	2.3	0.00
01/05/2023 16:30	1.0	84	19	1.7	0.00
01/05/2023 16:40	1.1	188	68	2.0	0.00
01/05/2023 16:50	1.5	263	39	2.2	0.00
01/05/2023 17:00	1.2	256	36	2.2	0.00
01/05/2023 17:10	1.1	291	24	1.6	0.00
01/05/2023 17:20	1.3	261	17	1.9	0.00
01/05/2023 17:30	1.7	269	21	2.7	0.00
01/05/2023 17:40	1.5	270	24	2.5	0.00
01/05/2023 17:50	1.6	265	24	2.8	0.00
01/05/2023 18:00	1.6	274	23	2.4	0.00
01/05/2023 18:10	1.7	280	18	2.6	0.00
01/05/2023 18:20	1.9	271	23	2.8	0.00
01/05/2023 18:30	2.2	271	20	3.4	0.00
01/05/2023 18:40	1.9	271	26	3.2	0.00
01/05/2023 18:50	2.1	269	29	3.7	0.00
01/05/2023 19:00	1.9	264	32	3.1	0.00
01/05/2023 19:10	1.7	265	36	2.8	0.00
01/05/2023 19:20	1.7	268	24	2.4	0.00
01/05/2023 19:30	1.3	233	38	2.0	0.00
01/05/2023 19:40	2.0	271	18	3.1	0.00
01/05/2023 19:50	2.1	273	13	3.1	0.00
01/05/2023 20:00	2.1	276	14	3.2	0.00
01/05/2023 20:10	1.8	264	39	2.8	0.00
01/05/2023 20:20	1.4	234	29	2.4	0.00
01/05/2023 20:30	1.5	257	31	2.8	0.00
01/05/2023 20:40	1.3	277	24	2.0	0.00
01/05/2023 20:50	1.9	275	15	2.8	0.00
01/05/2023 21:00	1.4	254	26	2.0	0.00
01/05/2023 21:10	1.4	252	28	2.3	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
01/05/2023 21:20	1.2	259	29	2.0	0.00
01/05/2023 21:30	0.9	279	37	1.6	0.00
01/05/2023 21:40	1.0	256	29	2.0	0.00
01/05/2023 21:50	0.9	229	26	1.4	0.00
01/05/2023 22:00	1.0	254	21	1.7	0.00
01/05/2023 22:10	1.1	265	23	2.0	0.00
01/05/2023 22:20	1.5	270	16	2.0	0.00
01/05/2023 22:30	0.8	211	20	1.4	0.00
01/05/2023 22:40	1.0	319	20	1.6	0.00
01/05/2023 22:50	1.0	297	18	1.4	0.00
01/05/2023 23:00	0.8	281	33	1.3	0.00
01/05/2023 23:10	0.7	211	33	1.3	0.00
01/05/2023 23:20	0.5	166	23	1.2	0.00
01/05/2023 23:30	1.0	343	9	1.3	0.00
01/05/2023 23:40	0.4	324	13	1.0	0.00
01/05/2023 23:50					0.00
02/05/2023 00:00	0.5	275	17	0.9	0.00
02/05/2023 00:10	0.6	281	13	0.9	0.00
02/05/2023 00:20	0.2	226	12	0.6	0.00
02/05/2023 00:30					0.00
02/05/2023 00:40					0.00
02/05/2023 00:50	0.4	193	14	0.8	0.00
02/05/2023 01:00	0.3	217	21	0.8	0.00
02/05/2023 01:10	0.9	311	5	1.2	0.00
02/05/2023 01:20	0.8	302	15	1.2	0.00
02/05/2023 01:30	1.0	242	30	1.4	0.00
02/05/2023 01:40	0.6	257	23	1.0	0.00
02/05/2023 01:50	0.5	334	12	0.8	0.00
02/05/2023 02:00	0.0	344	0	0.4	0.00
02/05/2023 02:10					0.00
02/05/2023 02:20					0.00
02/05/2023 02:30					0.00
02/05/2023 02:40	0.1	347	8	0.5	0.00
02/05/2023 02:50					0.00
02/05/2023 03:00					0.00
02/05/2023 03:10					0.00
02/05/2023 03:20					0.00
02/05/2023 03:30					0.00
02/05/2023 03:40					0.00
02/05/2023 03:50					0.00
02/05/2023 04:00					0.00
02/05/2023 04:10					0.00
02/05/2023 04:20	0.7	211	5	1.1	0.00
02/05/2023 04:30	0.5	198	10	0.9	0.00
02/05/2023 04:40					0.00



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/05/2023 04:50	0.1	292	0	0.6	0.00
02/05/2023 05:00	0.4	0	10	0.6	0.00
02/05/2023 05:10	0.5	340	7	0.8	0.00
02/05/2023 05:20					0.00
02/05/2023 05:30					0.00
02/05/2023 05:40	0.1	55	4	0.4	0.00
02/05/2023 05:50	1.2	91	81	2.4	0.00
02/05/2023 06:00	0.8	270	75	1.5	0.00
02/05/2023 06:10	1.0	182	25	2.1	0.00
02/05/2023 06:20	2.5	167	11	3.4	0.00
02/05/2023 06:30	2.8	167	11	3.6	0.00
02/05/2023 06:40	2.4	168	15	3.3	0.00
02/05/2023 06:50	2.3	184	15	3.5	0.00
02/05/2023 07:00	2.3	176	15	3.5	0.00
02/05/2023 07:10	2.5	177	17	3.7	0.00
02/05/2023 07:20	2.8	173	20	4.0	0.00
02/05/2023 07:30	2.4	131	20	3.8	0.00
02/05/2023 07:40	2.3	141	18	3.5	0.00
02/05/2023 07:50	1.9	142	30	2.8	0.00
02/05/2023 08:00	1.4	151	22	2.6	0.00
02/05/2023 08:10	3.1	143	23	5.2	0.00
02/05/2023 08:20	2.7	131	28	4.8	0.00
02/05/2023 08:30	3.0	119	25	4.8	0.00
02/05/2023 08:40	2.8	121	27	5.6	0.00
02/05/2023 08:50	2.5	125	26	4.6	0.00
02/05/2023 09:00	2.7	123	27	4.5	0.00
02/05/2023 09:10	2.9	114	21	4.0	0.00
02/05/2023 09:20	2.9	113	20	5.1	0.00
02/05/2023 09:30	2.5	117	18	4.2	0.00
02/05/2023 09:40	2.5	98	20	3.6	0.00
02/05/2023 09:50	2.4	79	16	3.6	0.00
02/05/2023 10:00	2.7	85	19	4.4	0.00
02/05/2023 10:10	2.3	90	21	3.7	0.00
02/05/2023 10:20	2.6	85	14	4.3	0.00
02/05/2023 10:30	2.6	77	13	3.9	0.00
02/05/2023 10:40	2.8	84	14	4.2	0.00
02/05/2023 10:50	2.6	77	18	3.7	0.00
02/05/2023 11:00	2.5	69	13	3.6	0.00
02/05/2023 11:10	3.3	83	14	5.2	0.00
02/05/2023 11:20	3.5	86	17	5.0	0.00
02/05/2023 11:30	3.9	84	13	5.8	0.00
02/05/2023 11:40	3.3	84	15	5.1	0.00
02/05/2023 11:50	3.3	71	16	4.8	0.00
02/05/2023 12:00	2.7	63	17	3.9	0.00
02/05/2023 12:10	2.9	75	15	4.1	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/05/2023 12:20	3.2	74	15	4.2	0.00
02/05/2023 12:30	3.3	74	17	4.6	0.00
02/05/2023 12:40	3.1	78	16	4.7	0.00
02/05/2023 12:50	3.3	66	17	4.6	0.00
02/05/2023 13:00	3.6	54	10	4.5	0.00
02/05/2023 13:10	3.4	61	11	4.1	0.00
02/05/2023 13:20	2.9	64	13	4.0	0.00
02/05/2023 13:30	2.7	61	15	3.7	0.00
02/05/2023 13:40	3.1	49	12	4.0	0.00
02/05/2023 13:50	3.1	46	12	4.1	0.00
02/05/2023 14:00	2.8	60	15	3.9	0.00
02/05/2023 14:10	3.0	64	11	3.8	0.00
02/05/2023 14:20	2.8	60	12	3.4	0.00
02/05/2023 14:30	2.9	64	12	3.8	0.00
02/05/2023 14:40	2.7	49	13	3.4	0.00
02/05/2023 14:50	2.7	41	14	4.0	0.00
02/05/2023 15:00	3.4	43	13	4.4	0.00
02/05/2023 15:10	3.6	41	13	5.1	0.00
02/05/2023 15:20	3.9	43	13	5.6	0.00
02/05/2023 15:30	3.9	39	14	5.6	0.00
02/05/2023 15:40	3.8	39	14	5.7	0.00
02/05/2023 15:50	3.6	42	13	4.8	0.00
02/05/2023 16:00	3.8	41	13	5.0	0.00
02/05/2023 16:10	3.7	36	13	5.5	0.00
02/05/2023 16:20	4.0	34	14	5.8	0.00
02/05/2023 16:30	3.5	40	13	5.3	0.00
02/05/2023 16:40	3.0	45	12	4.0	0.00
02/05/2023 16:50	2.6	45	14	3.9	0.00
02/05/2023 17:00	2.7	41	13	3.8	0.00
02/05/2023 17:10	2.8	38	14	4.3	0.00
02/05/2023 17:20	2.2	38	14	3.2	0.00
02/05/2023 17:30	2.3	40	13	3.4	0.00
02/05/2023 17:40	2.0	45	13	2.9	0.00
02/05/2023 17:50	1.5	51	15	2.2	0.00
02/05/2023 18:00	1.6	52	16	2.5	0.00
02/05/2023 18:10	1.5	48	14	2.4	0.00
02/05/2023 18:20	0.7	57	15	1.2	0.00
02/05/2023 18:30	0.8	82	15	1.2	0.00
02/05/2023 18:40	0.6	79	17	1.0	0.00
02/05/2023 18:50	0.1	115	12	0.7	0.00
02/05/2023 19:00	0.4	99	43	1.2	0.00
02/05/2023 19:10	1.0	109	12	1.2	0.00
02/05/2023 19:20	1.1	109	12	1.5	0.00
02/05/2023 19:30	1.0	99	19	1.3	0.00
02/05/2023 19:40	0.8	100	15	1.2	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
02/05/2023 19:50	0.8	104	13	1.3	0.00
02/05/2023 20:00	0.9	101	13	1.2	0.00
02/05/2023 20:10	0.9	103	14	1.2	0.00
02/05/2023 20:20	0.3	77	7	0.7	0.00
02/05/2023 20:30	0.0	49	0	0.4	0.00
02/05/2023 20:40	0.8	103	13	1.2	0.00
02/05/2023 20:50	0.7	109	11	1.0	0.00
02/05/2023 21:00	0.8	113	14	1.1	0.00
02/05/2023 21:10	0.8	116	15	1.1	0.00
02/05/2023 21:20	0.8	120	12	1.0	0.00
02/05/2023 21:30	0.4	129	20	0.8	0.00
02/05/2023 21:40					0.00
02/05/2023 21:50					0.00
02/05/2023 22:00					0.00
02/05/2023 22:10	0.2	48	4	0.8	0.00
02/05/2023 22:20	0.7	90	15	1.2	0.00
02/05/2023 22:30	0.6	73	18	1.1	0.00
02/05/2023 22:40	0.5	35	20	0.9	0.00
02/05/2023 22:50	0.2	90	15	1.2	0.00
02/05/2023 23:00	1.4	119	17	1.9	0.00
02/05/2023 23:10	1.7	131	15	2.4	0.00
02/05/2023 23:20	1.9	124	14	2.8	0.00
02/05/2023 23:30	1.8	151	17	2.5	0.00
02/05/2023 23:40	1.7	150	14	2.4	0.00
02/05/2023 23:50	2.3	172	17	3.4	0.00
03/05/2023 00:00	1.7	172	18	3.0	0.00
03/05/2023 00:10	1.6	159	19	2.6	0.00
03/05/2023 00:20	1.5	128	18	2.7	0.00
03/05/2023 00:30	1.7	137	15	2.4	0.00
03/05/2023 00:40	1.8	163	21	2.6	0.00
03/05/2023 00:50	1.5	162	20	2.6	0.00
03/05/2023 01:00	2.4	185	16	4.0	0.00
03/05/2023 01:10	2.0	157	20	3.7	0.00
03/05/2023 01:20	2.4	154	16	4.0	0.00
03/05/2023 01:30	2.3	152	17	3.3	0.00
03/05/2023 01:40	2.2	161	19	3.5	0.00
03/05/2023 01:50	3.1	182	14	4.4	0.00
03/05/2023 02:00	3.4	191	12	4.8	0.00
03/05/2023 02:10	4.1	194	9	5.1	0.00
03/05/2023 02:20	3.6	192	10	4.8	0.00
03/05/2023 02:30	2.7	188	16	4.0	0.00
03/05/2023 02:40	2.0	183	21	3.2	0.00
03/05/2023 02:50	2.1	183	19	3.3	0.00
03/05/2023 03:00	2.0	176	21	3.1	0.00
03/05/2023 03:10	1.9	174	23	2.8	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/05/2023 03:20	2.4	157	19	3.5	0.00
03/05/2023 03:30	1.6	140	25	3.0	0.00
03/05/2023 03:40	2.0	99	22	3.7	0.00
03/05/2023 03:50	2.3	95	18	3.3	0.00
03/05/2023 04:00	2.1	102	17	3.5	0.00
03/05/2023 04:10	1.6	122	32	2.8	0.00
03/05/2023 04:20	2.0	148	22	3.5	0.00
03/05/2023 04:30	2.7	147	22	5.3	0.00
03/05/2023 04:40	2.6	134	25	5.6	0.00
03/05/2023 04:50	2.5	132	26	4.0	0.00
03/05/2023 05:00	2.1	124	30	3.8	0.00
03/05/2023 05:10	2.3	124	25	4.3	0.00
03/05/2023 05:20	2.1	122	22	3.5	0.00
03/05/2023 05:30	2.2	121	20	3.2	0.00
03/05/2023 05:40	2.1	132	24	3.6	0.00
03/05/2023 05:50	2.3	141	17	3.6	0.00
03/05/2023 06:00	2.1	126	24	3.6	0.00
03/05/2023 06:10	2.5	121	22	4.4	0.00
03/05/2023 06:20	2.8	122	21	4.3	0.00
03/05/2023 06:30	2.6	117	19	4.4	0.00
03/05/2023 06:40	2.4	128	26	3.7	0.00
03/05/2023 06:50	2.0	122	26	3.2	0.00
03/05/2023 07:00	2.2	118	26	4.4	0.00
03/05/2023 07:10	2.3	119	25	3.6	0.00
03/05/2023 07:20	2.8	122	24	4.5	0.00
03/05/2023 07:30	2.8	118	25	4.9	0.00
03/05/2023 07:40	2.6	112	23	4.4	0.00
03/05/2023 07:50	2.5	90	17	4.1	0.00
03/05/2023 08:00	2.6	90	21	4.2	0.00
03/05/2023 08:10	2.7	107	24	4.7	0.00
03/05/2023 08:20	2.6	115	20	4.4	0.00
03/05/2023 08:30	2.9	117	21	4.5	0.00
03/05/2023 08:40	2.4	99	24	3.7	0.00
03/05/2023 08:50	2.9	107	24	4.3	0.00
03/05/2023 09:00	3.1	86	18	4.8	0.00
03/05/2023 09:10	4.4	82	15	5.9	0.00
03/05/2023 09:20	4.4	84	15	5.8	0.00
03/05/2023 09:30	4.4	82	15	6.0	0.00
03/05/2023 09:40	4.3	86	14	6.0	0.00
03/05/2023 09:50	4.1	81	13	5.6	0.00
03/05/2023 10:00	3.8	82	16	5.3	0.00
03/05/2023 10:10	3.4	79	15	4.8	0.00
03/05/2023 10:20	3.4	75	13	5.1	0.00
03/05/2023 10:30	3.7	74	14	4.9	0.00
03/05/2023 10:40	3.5	71	15	5.2	0.00





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/05/2023 10:50	3.3	70	16	4.8	0.00
03/05/2023 11:00	3.1	72	15	4.4	0.00
03/05/2023 11:10	3.3	73	13	4.7	0.00
03/05/2023 11:20	3.8	77	13	5.1	0.00
03/05/2023 11:30	3.4	74	17	5.0	0.00
03/05/2023 11:40	3.9	73	15	5.5	0.00
03/05/2023 11:50	4.2	77	14	6.2	0.00
03/05/2023 12:00	4.3	73	14	6.1	0.00
03/05/2023 12:10	4.1	72	13	5.4	0.00
03/05/2023 12:20	4.3	77	14	5.7	0.00
03/05/2023 12:30	3.5	73	17	4.6	0.00
03/05/2023 12:40	3.2	66	16	4.6	0.00
03/05/2023 12:50	3.6	71	15	5.3	0.00
03/05/2023 13:00	3.4	70	14	4.8	0.00
03/05/2023 13:10	3.9	56	12	4.9	0.00
03/05/2023 13:20	4.2	57	10	5.4	0.00
03/05/2023 13:30	4.0	55	10	5.0	0.00
03/05/2023 13:40	4.2	56	9	5.2	0.00
03/05/2023 13:50	3.9	56	9	5.0	0.00
03/05/2023 14:00	3.8	56	9	5.0	0.00
03/05/2023 14:10	3.8	60	9	4.4	0.00
03/05/2023 14:20	3.7	56	10	4.8	0.00
03/05/2023 14:30	3.7	57	10	4.8	0.00
03/05/2023 14:40	3.7	58	11	4.7	0.00
03/05/2023 14:50	3.5	59	9	4.4	0.00
03/05/2023 15:00	3.1	55	10	4.1	0.00
03/05/2023 15:10	3.4	60	9	4.3	0.00
03/05/2023 15:20	3.0	56	13	4.0	0.00
03/05/2023 15:30	2.7	53	16	3.6	0.00
03/05/2023 15:40	2.8	52	12	3.7	0.00
03/05/2023 15:50	3.1	44	12	4.1	0.00
03/05/2023 16:00	3.0	48	15	4.2	0.00
03/05/2023 16:10	3.1	45	14	4.4	0.00
03/05/2023 16:20	3.2	44	13	4.5	0.00
03/05/2023 16:30	3.1	45	13	4.1	0.00
03/05/2023 16:40	2.9	46	14	4.3	0.00
03/05/2023 16:50	2.9	43	13	4.4	0.00
03/05/2023 17:00	2.9	40	15	4.8	0.00
03/05/2023 17:10	2.4	38	14	4.0	0.00
03/05/2023 17:20	2.2	38	15	3.5	0.00
03/05/2023 17:30	2.0	60	13	2.8	0.00
03/05/2023 17:40	1.9	67	12	2.6	0.00
03/05/2023 17:50	1.6	69	15	2.2	0.00
03/05/2023 18:00	0.5	115	18	1.2	0.00
03/05/2023 18:10	0.4	96	12	0.9	0.00



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
03/05/2023 18:20	0.4	95	25	1.0	0.00
03/05/2023 18:30	0.3	132	27	0.8	0.00
03/05/2023 18:40	0.4	137	5	0.8	0.00
03/05/2023 18:50	0.7	90	9	1.5	0.00
03/05/2023 19:00	0.5	154	32	1.0	0.00
03/05/2023 19:10	0.3	139	12	0.9	0.00
03/05/2023 19:20	0.7	174	10	1.1	0.00
03/05/2023 19:30	0.8	201	21	1.1	0.00
03/05/2023 19:40	0.5	244	20	1.2	0.00
03/05/2023 19:50	0.2	123	13	0.8	0.00
03/05/2023 20:00	0.4	91	16	0.9	0.00
03/05/2023 20:10	0.8	108	7	1.1	0.00
03/05/2023 20:20	0.7	130	16	1.0	0.00
03/05/2023 20:30	0.8	113	11	1.2	0.00
03/05/2023 20:40	1.1	96	9	1.5	0.00
03/05/2023 20:50	1.0	99	10	1.2	0.00
03/05/2023 21:00	1.0	97	9	1.3	0.00
03/05/2023 21:10	1.0	95	12	1.3	0.00
03/05/2023 21:20	1.1	85	14	1.5	0.00
03/05/2023 21:30	0.8	78	23	2.0	0.00
03/05/2023 21:40	1.2	85	16	1.8	0.00
03/05/2023 21:50	1.4	85	11	1.8	0.00
03/05/2023 22:00	1.4	87	12	2.0	0.00
03/05/2023 22:10	0.7	58	18	1.3	0.00
03/05/2023 22:20	0.2	62	16	0.8	0.00
03/05/2023 22:30	0.4	86	21	1.1	0.00
03/05/2023 22:40	0.4	204	29	0.8	0.00
03/05/2023 22:50	0.2	188	18	0.8	0.00
03/05/2023 23:00	0.3	12	12	0.8	0.00
03/05/2023 23:10	0.7	343	18	1.1	0.00
03/05/2023 23:20	0.6	165	21	0.8	0.00
03/05/2023 23:30	0.3	51	12	0.9	0.00
03/05/2023 23:40	0.7	69	19	1.2	0.00
03/05/2023 23:50	1.1	104	29	1.9	0.00
04/05/2023 00:00	1.4	118	17	2.1	0.00
04/05/2023 00:10	1.9	139	16	2.6	0.00
04/05/2023 00:20	1.6	123	17	2.6	0.00
04/05/2023 00:30	1.6	127	17	2.2	0.00
04/05/2023 00:40	1.3	140	23	2.0	0.00
04/05/2023 00:50	1.2	130	21	1.8	0.00
04/05/2023 01:00	1.1	131	28	1.8	0.00
04/05/2023 01:10	1.6	152	17	2.5	0.00
04/05/2023 01:20	1.4	150	19	2.1	0.00
04/05/2023 01:30	2.2	162	14	3.3	0.00
04/05/2023 01:40	2.0	192	19	3.3	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/05/2023 01:50	1.7	167	38	3.2	0.00
04/05/2023 02:00	1.7	276	32	2.8	0.00
04/05/2023 02:10	3.1	159	36	5.4	0.00
04/05/2023 02:20	5.3	196	7	6.4	0.00
04/05/2023 02:30	4.6	193	11	6.2	0.00
04/05/2023 02:40	4.6	188	14	6.6	0.00
04/05/2023 02:50	2.9	170	23	5.1	0.00
04/05/2023 03:00	3.3	165	15	4.7	0.00
04/05/2023 03:10	2.6	167	18	4.2	0.00
04/05/2023 03:20	2.8	167	14	4.0	0.00
04/05/2023 03:30	3.2	169	14	4.4	0.00
04/05/2023 03:40	3.3	175	13	4.8	0.00
04/05/2023 03:50	3.2	178	16	4.6	0.00
04/05/2023 04:00	3.6	178	14	5.2	0.00
04/05/2023 04:10	3.3	173	16	4.5	0.00
04/05/2023 04:20	3.7	178	17	5.8	0.00
04/05/2023 04:30	3.5	177	15	5.1	0.00
04/05/2023 04:40	3.5	182	14	5.0	0.00
04/05/2023 04:50	3.7	180	15	4.9	0.00
04/05/2023 05:00	3.4	170	20	5.2	0.00
04/05/2023 05:10	3.1	166	16	4.9	0.00
04/05/2023 05:20	3.0	177	16	5.2	0.00
04/05/2023 05:30	2.7	162	17	4.5	0.00
04/05/2023 05:40	2.5	153	17	4.0	0.00
04/05/2023 05:50	2.3	150	22	3.6	0.00
04/05/2023 06:00	2.0	130	21	4.0	0.00
04/05/2023 06:10	1.9	125	26	3.2	0.00
04/05/2023 06:20	1.8	130	18	2.6	0.00
04/05/2023 06:30	1.9	129	24	3.0	0.00
04/05/2023 06:40	2.4	139	20	4.4	0.00
04/05/2023 06:50	2.9	145	20	4.7	0.00
04/05/2023 07:00	2.6	141	18	4.1	0.00
04/05/2023 07:10	3.1	149	18	5.1	0.00
04/05/2023 07:20	2.8	166	18	4.0	0.00
04/05/2023 07:30	2.4	169	21	3.6	0.00
04/05/2023 07:40	2.2	178	17	3.2	0.00
04/05/2023 07:50	2.2	173	19	3.6	0.00
04/05/2023 08:00	2.1	155	23	3.6	0.00
04/05/2023 08:10	2.3	137	24	3.7	0.00
04/05/2023 08:20	2.3	149	24	3.6	0.00
04/05/2023 08:30	2.4	139	23	3.7	0.00
04/05/2023 08:40	2.1	160	25	3.7	0.00
04/05/2023 08:50	2.2	148	24	3.8	0.00
04/05/2023 09:00	2.3	144	26	3.6	0.00
04/05/2023 09:10	1.9	148	27	2.8	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/05/2023 09:20	1.9	129	30	3.2	0.00
04/05/2023 09:30	2.0	116	30	3.0	0.00
04/05/2023 09:40	1.8	87	36	2.8	0.00
04/05/2023 09:50	2.0	116	31	3.2	0.00
04/05/2023 10:00	2.1	122	28	3.3	0.00
04/05/2023 10:10	2.3	91	27	3.8	0.00
04/05/2023 10:20	2.3	123	22	3.2	0.00
04/05/2023 10:30	2.6	83	21	4.1	0.00
04/05/2023 10:40	2.8	79	15	3.8	0.00
04/05/2023 10:50	2.8	69	15	4.0	0.00
04/05/2023 11:00	2.6	74	18	3.6	0.00
04/05/2023 11:10	3.1	72	15	4.7	0.00
04/05/2023 11:20	3.4	86	16	4.8	0.00
04/05/2023 11:30	3.6	82	15	5.2	0.00
04/05/2023 11:40	3.1	69	13	4.4	0.00
04/05/2023 11:50	3.0	66	14	4.4	0.00
04/05/2023 12:00	3.2	49	12	4.1	0.00
04/05/2023 12:10	3.6	56	10	4.7	0.00
04/05/2023 12:20	3.3	50	14	4.4	0.00
04/05/2023 12:30	3.6	42	13	4.7	0.00
04/05/2023 12:40	3.3	48	12	4.4	0.00
04/05/2023 12:50	2.9	48	13	4.1	0.00
04/05/2023 13:00	2.8	45	14	3.5	0.00
04/05/2023 13:10	2.7	42	14	3.7	0.00
04/05/2023 13:20	2.9	33	14	4.0	0.00
04/05/2023 13:30	3.3	32	15	4.4	0.00
04/05/2023 13:40	3.3	36	14	4.4	0.00
04/05/2023 13:50	3.0	39	14	4.0	0.00
04/05/2023 14:00	3.1	40	15	4.3	0.00
04/05/2023 14:10	3.8	44	12	5.5	0.00
04/05/2023 14:20	4.1	43	14	5.5	0.00
04/05/2023 14:30	4.0	41	13	5.7	0.00
04/05/2023 14:40	3.9	41	12	5.2	0.00
04/05/2023 14:50	4.4	34	14	5.9	0.00
04/05/2023 15:00	4.0	34	14	5.5	0.00
04/05/2023 15:10	3.6	40	13	4.8	0.00
04/05/2023 15:20	3.8	29	17	6.2	0.00
04/05/2023 15:30	3.7	29	15	5.6	0.00
04/05/2023 15:40	3.0	39	13	4.5	0.00
04/05/2023 15:50	3.6	51	12	4.7	0.00
04/05/2023 16:00	3.0	46	13	4.0	0.00
04/05/2023 16:10	2.6	50	13	4.0	0.00
04/05/2023 16:20	2.5	51	12	3.3	0.00
04/05/2023 16:30	2.1	41	14	2.9	0.00
04/05/2023 16:40	2.3	185	19	4.4	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
04/05/2023 16:50	2.1	192	17	3.2	0.00
04/05/2023 17:00	1.7	40	16	2.7	0.00
04/05/2023 17:10	1.4	43	16	2.4	0.00
04/05/2023 17:20	1.2	53	17	1.8	0.00
04/05/2023 17:30	0.4	199	23	1.0	0.00
04/05/2023 17:40	0.7	91	24	1.4	0.00
04/05/2023 17:50	0.6	173	11	1.2	0.00
04/05/2023 18:00	1.1	183	22	1.7	0.00
04/05/2023 18:10	0.5	180	17	1.1	0.00
04/05/2023 18:20	1.2	327	11	1.7	0.00
04/05/2023 18:30	1.4	332	10	2.0	0.00
04/05/2023 18:40	1.5	323	11	2.3	0.00
04/05/2023 18:50	1.7	333	8	2.2	0.00
04/05/2023 19:00	1.2	336	17	1.9	0.00
04/05/2023 19:10	0.2	73	6	0.8	0.00
04/05/2023 19:20	0.0	233	0	0.4	0.00
04/05/2023 19:30	0.3	141	11	0.8	0.00
04/05/2023 19:40	0.3	79	6	0.8	0.00
04/05/2023 19:50	0.5	95	3	0.8	0.00
04/05/2023 20:00					0.00
04/05/2023 20:10	0.6	298	17	0.8	0.00
04/05/2023 20:20	0.4	285	7	0.7	0.00
04/05/2023 20:30	0.3	297	4	0.9	0.00
04/05/2023 20:40	1.2	279	18	1.6	0.00
04/05/2023 20:50	1.5	271	14	2.0	0.00
04/05/2023 21:00	1.4	268	14	1.9	0.00
04/05/2023 21:10	1.3	266	15	1.9	0.00
04/05/2023 21:20	1.1	265	17	1.6	0.00
04/05/2023 21:30	1.1	253	15	1.6	0.00
04/05/2023 21:40	1.0	252	28	1.6	0.00
04/05/2023 21:50	1.5	218	27	2.0	0.00
04/05/2023 22:00	1.0	265	25	1.6	0.00
04/05/2023 22:10	1.0	165	23	1.5	0.00
04/05/2023 22:20	0.2	55	1	0.8	0.00
04/05/2023 22:30	0.3	181	13	0.7	0.00
04/05/2023 22:40					0.00
04/05/2023 22:50					0.00
04/05/2023 23:00	0.8	334	9	0.9	0.00
04/05/2023 23:10	0.9	317	12	1.0	0.00
04/05/2023 23:20	0.9	323	13	1.1	0.00
04/05/2023 23:30	0.5	294	4	1.0	0.00
04/05/2023 23:40	0.3	45	3	0.9	0.00
04/05/2023 23:50					0.00
05/05/2023 00:00	0.1	218	4	0.4	0.00
05/05/2023 00:10	0.8	330	6	1.2	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/05/2023 00:20	0.7	336	23	1.2	0.00
05/05/2023 00:30	0.6	205	25	0.9	0.00
05/05/2023 00:40					0.00
05/05/2023 00:50	0.6	153	10	1.4	0.00
05/05/2023 01:00	2.7	174	11	3.9	0.00
05/05/2023 01:10	2.4	169	15	3.4	0.00
05/05/2023 01:20	1.3	167	44	2.0	0.00
05/05/2023 01:30	0.7	328	24	1.4	0.00
05/05/2023 01:40	1.4	139	24	2.4	0.00
05/05/2023 01:50	1.9	158	19	3.1	0.00
05/05/2023 02:00	0.9	278	23	1.5	0.00
05/05/2023 02:10	0.6	198	40	1.8	0.00
05/05/2023 02:20	1.8	152	17	2.9	0.00
05/05/2023 02:30	2.5	156	17	3.5	0.00
05/05/2023 02:40	1.6	159	20	2.4	0.00
05/05/2023 02:50	1.6	160	19	3.1	0.00
05/05/2023 03:00	2.1	169	16	3.5	0.00
05/05/2023 03:10	2.2	165	18	3.5	0.00
05/05/2023 03:20	2.8	170	13	3.9	0.00
05/05/2023 03:30	2.5	173	17	3.7	0.00
05/05/2023 03:40	2.8	185	13	3.6	0.00
05/05/2023 03:50	1.9	197	49	3.4	0.00
05/05/2023 04:00	0.9	316	25	1.2	0.00
05/05/2023 04:10	0.6	172	43	1.6	0.00
05/05/2023 04:20	1.5	104	15	2.5	0.00
05/05/2023 04:30	1.7	107	11	2.3	0.00
05/05/2023 04:40	1.4	83	27	2.0	0.00
05/05/2023 04:50	1.1	338	10	1.5	0.00
05/05/2023 05:00	0.0	334	0	0.4	0.00
05/05/2023 05:10	1.0	98	11	1.9	0.00
05/05/2023 05:20	1.8	96	14	2.4	0.00
05/05/2023 05:30	1.9	129	16	2.7	0.00
05/05/2023 05:40	2.0	127	18	2.8	0.00
05/05/2023 05:50	1.6	132	22	2.3	0.00
05/05/2023 06:00	1.8	121	21	2.4	0.00
05/05/2023 06:10	1.8	124	16	2.5	0.00
05/05/2023 06:20	1.7	131	22	2.5	0.00
05/05/2023 06:30	1.7	129	26	2.4	0.00
05/05/2023 06:40	2.0	139	23	2.8	0.00
05/05/2023 06:50	1.7	131	15	2.2	0.00
05/05/2023 07:00	1.5	115	20	2.3	0.00
05/05/2023 07:10	1.2	130	24	1.8	0.00
05/05/2023 07:20	1.9	134	20	3.1	0.00
05/05/2023 07:30	1.7	153	22	3.0	0.00
05/05/2023 07:40	1.9	159	14	2.9	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/05/2023 07:50	1.8	162	18	3.1	0.00
05/05/2023 08:00	2.3	159	17	3.6	0.00
05/05/2023 08:10	2.0	148	18	2.9	0.00
05/05/2023 08:20	2.5	120	24	3.6	0.00
05/05/2023 08:30	2.2	118	15	3.0	0.00
05/05/2023 08:40	2.2	116	13	3.0	0.00
05/05/2023 08:50	2.1	121	23	3.6	0.00
05/05/2023 09:00	2.3	116	14	3.6	0.00
05/05/2023 09:10	2.2	103	17	3.4	0.00
05/05/2023 09:20	2.0	104	20	3.2	0.00
05/05/2023 09:30	1.9	112	23	3.2	0.00
05/05/2023 09:40	1.3	102	24	2.1	0.00
05/05/2023 09:50	1.6	111	25	2.7	0.00
05/05/2023 10:00	2.0	99	26	3.1	0.00
05/05/2023 10:10	2.1	122	21	3.1	0.00
05/05/2023 10:20	1.8	125	27	3.1	0.00
05/05/2023 10:30	2.1	114	23	3.7	0.00
05/05/2023 10:40	2.1	116	20	3.2	0.00
05/05/2023 10:50	2.2	114	18	3.3	0.00
05/05/2023 11:00	3.3	66	12	4.9	0.00
05/05/2023 11:10	2.9	52	14	4.2	0.00
05/05/2023 11:20	2.2	79	15	3.4	0.00
05/05/2023 11:30	2.3	81	15	3.6	0.00
05/05/2023 11:40	1.8	79	15	2.7	0.00
05/05/2023 11:50	1.0	47	24	1.6	0.00
05/05/2023 12:00	1.3	28	11	1.7	0.00
05/05/2023 12:10	1.0	36	14	1.6	0.00
05/05/2023 12:20	1.4	48	10	2.0	0.00
05/05/2023 12:30	1.6	53	12	2.5	0.00
05/05/2023 12:40	0.3	27	36	0.8	0.00
05/05/2023 12:50	0.7	33	18	1.2	0.00
05/05/2023 13:00	1.5	61	13	2.0	0.00
05/05/2023 13:10	2.0	50	11	2.4	0.00
05/05/2023 13:20	2.1	54	12	2.8	0.00
05/05/2023 13:30	1.8	55	15	2.4	0.00
05/05/2023 13:40	1.3	49	20	1.8	0.00
05/05/2023 13:50	1.5	46	12	2.0	0.00
05/05/2023 14:00	1.8	50	11	2.7	0.00
05/05/2023 14:10	1.6	50	14	2.2	0.00
05/05/2023 14:20	1.5	51	14	2.1	0.00
05/05/2023 14:30	1.8	54	13	2.3	0.00
05/05/2023 14:40	1.6	48	13	2.2	0.00
05/05/2023 14:50	1.3	38	18	2.2	0.00
05/05/2023 15:00	1.9	23	14	3.0	0.00
05/05/2023 15:10	2.3	180	14	3.5	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/05/2023 15:20	2.1	355	14	3.0	0.00
05/05/2023 15:30	2.1	343	15	2.9	0.00
05/05/2023 15:40	2.6	350	13	3.8	0.00
05/05/2023 15:50	2.2	6	13	3.2	0.00
05/05/2023 16:00	1.3	15	22	2.0	0.00
05/05/2023 16:10	1.2	304	40	2.0	0.00
05/05/2023 16:20	1.3	299	22	1.7	0.00
05/05/2023 16:30	1.3	333	14	1.9	0.00
05/05/2023 16:40	1.1	325	11	1.5	0.00
05/05/2023 16:50	1.4	280	15	1.9	0.00
05/05/2023 17:00	1.4	263	22	2.1	0.00
05/05/2023 17:10	1.5	266	13	2.1	0.00
05/05/2023 17:20	1.7	256	18	2.6	0.00
05/05/2023 17:30	1.2	245	29	2.1	0.00
05/05/2023 17:40	1.9	259	17	2.5	0.00
05/05/2023 17:50	1.5	272	20	2.5	0.00
05/05/2023 18:00	1.2	275	18	2.0	0.00
05/05/2023 18:10	1.6	269	24	2.4	0.00
05/05/2023 18:20	1.9	306	22	3.1	0.00
05/05/2023 18:30	2.7	308	19	4.4	0.00
05/05/2023 18:40	3.1	321	18	4.8	0.00
05/05/2023 18:50	3.0	331	16	5.3	0.00
05/05/2023 19:00	2.7	308	21	4.1	0.00
05/05/2023 19:10	2.5	326	17	4.3	0.00
05/05/2023 19:20	2.6	310	22	4.0	0.00
05/05/2023 19:30	2.3	325	17	3.5	0.00
05/05/2023 19:40	2.3	317	18	3.4	0.00
05/05/2023 19:50	2.1	304	20	3.9	0.00
05/05/2023 20:00	1.8	289	22	2.8	0.00
05/05/2023 20:10	1.5	246	35	2.4	0.00
05/05/2023 20:20	1.2	213	36	2.3	0.00
05/05/2023 20:30	1.0	216	55	2.0	0.00
05/05/2023 20:40	1.1	205	68	1.9	0.00
05/05/2023 20:50	1.0	198	35	1.9	0.00
05/05/2023 21:00	0.7	93	40	1.3	0.00
05/05/2023 21:10	1.3	173	17	1.7	0.00
05/05/2023 21:20	0.3	290	10	0.8	0.00
05/05/2023 21:30	0.6	178	7	1.2	0.00
05/05/2023 21:40	0.6	12	33	1.1	0.00
05/05/2023 21:50	1.1	202	8	1.7	0.00
05/05/2023 22:00	1.6	216	9	2.0	0.00
05/05/2023 22:10	1.8	220	17	2.4	0.00
05/05/2023 22:20	2.4	199	13	3.6	0.00
05/05/2023 22:30	2.2	199	12	2.9	0.00
05/05/2023 22:40	1.9	195	15	2.9	0.00





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
05/05/2023 22:50	2.7	171	12	3.8	0.00
05/05/2023 23:00	3.4	172	13	4.7	0.00
05/05/2023 23:10	3.6	188	20	5.2	0.00
05/05/2023 23:20	2.9	194	15	4.3	0.00
05/05/2023 23:30	2.7	191	13	3.9	0.00
05/05/2023 23:40	3.6	188	11	4.8	0.00
05/05/2023 23:50	3.2	195	10	4.9	0.00
06/05/2023 00:00	2.7	191	15	4.0	0.00
06/05/2023 00:10	2.5	177	12	3.6	0.00
06/05/2023 00:20	2.6	167	11	3.6	0.00
06/05/2023 00:30	1.4	262	40	2.1	0.00
06/05/2023 00:40	1.0	213	45	2.4	0.00
06/05/2023 00:50	3.2	169	14	4.5	0.00
06/05/2023 01:00	3.6	173	10	4.5	0.00
06/05/2023 01:10	4.5	179	12	6.1	0.00
06/05/2023 01:20	4.5	181	11	5.6	0.00
06/05/2023 01:30	4.0	187	12	5.0	0.00
06/05/2023 01:40	3.9	189	12	5.5	0.00
06/05/2023 01:50	4.0	191	14	5.5	0.00
06/05/2023 02:00	3.7	194	10	5.2	0.00
06/05/2023 02:10	3.3	193	14	4.8	0.00
06/05/2023 02:20	3.5	192	11	4.4	0.00
06/05/2023 02:30	3.0	180	14	4.2	0.00
06/05/2023 02:40	2.7	184	13	4.0	0.00
06/05/2023 02:50	1.3	235	41	2.0	0.00
06/05/2023 03:00	2.1	189	25	3.3	0.00
06/05/2023 03:10	2.8	180	12	4.0	0.00
06/05/2023 03:20	3.1	179	11	4.0	0.00
06/05/2023 03:30	3.5	184	10	5.2	0.00
06/05/2023 03:40	3.5	185	10	4.4	0.00
06/05/2023 03:50	3.1	182	11	4.2	0.00
06/05/2023 04:00	3.5	185	8	4.7	0.00
06/05/2023 04:10	2.9	185	13	4.4	0.00
06/05/2023 04:20	3.4	183	13	4.8	0.00
06/05/2023 04:30	3.7	181	12	5.2	0.00
06/05/2023 04:40	3.6	182	10	4.6	0.00
06/05/2023 04:50	3.5	183	13	4.5	0.00
06/05/2023 05:00	3.6	191	12	4.5	0.00
06/05/2023 05:10	3.6	190	10	4.8	0.00
06/05/2023 05:20	3.6	190	11	4.8	0.00
06/05/2023 05:30	3.3	193	11	4.8	0.00
06/05/2023 05:40	3.5	196	12	4.8	0.00
06/05/2023 05:50	4.2	194	11	5.7	0.00
06/05/2023 06:00	3.8	193	12	4.8	0.00
06/05/2023 06:10	3.4	190	10	4.4	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/05/2023 06:20	3.7	195	9	4.8	0.00
06/05/2023 06:30	3.5	192	10	4.5	0.00
06/05/2023 06:40	3.8	194	10	5.4	0.00
06/05/2023 06:50	4.5	194	9	5.6	0.00
06/05/2023 07:00	4.9	193	9	6.4	0.00
06/05/2023 07:10	4.6	194	9	5.9	0.00
06/05/2023 07:20	2.5	168	15	3.6	0.00
06/05/2023 07:30	2.4	164	15	3.9	0.00
06/05/2023 07:40	2.5	173	22	4.0	0.00
06/05/2023 07:50	3.7	191	13	4.9	0.00
06/05/2023 08:00	4.1	200	10	5.2	0.00
06/05/2023 08:10	2.9	170	19	4.4	0.00
06/05/2023 08:20	3.1	146	25	4.9	0.00
06/05/2023 08:30	2.5	175	17	4.2	0.00
06/05/2023 08:40	2.4	138	29	4.4	0.00
06/05/2023 08:50	3.1	112	25	5.0	0.00
06/05/2023 09:00	2.9	126	33	4.4	0.00
06/05/2023 09:10	2.0	132	23	3.4	0.00
06/05/2023 09:20	2.5	136	28	4.0	0.00
06/05/2023 09:30	2.9	120	26	5.6	0.00
06/05/2023 09:40	3.0	114	27	5.1	0.00
06/05/2023 09:50	2.9	120	21	4.8	0.00
06/05/2023 10:00	3.0	122	19	5.0	0.00
06/05/2023 10:10	2.9	90	18	4.6	0.00
06/05/2023 10:20	3.8	84	15	5.2	0.00
06/05/2023 10:30	3.8	81	14	5.6	0.00
06/05/2023 10:40	4.1	83	14	6.2	0.00
06/05/2023 10:50	3.8	86	15	5.4	0.00
06/05/2023 11:00	3.4	84	14	4.9	0.00
06/05/2023 11:10	4.0	86	15	5.9	0.00
06/05/2023 11:20	4.4	87	16	6.4	0.00
06/05/2023 11:30	4.5	86	15	6.0	0.00
06/05/2023 11:40	4.9	79	13	6.7	0.00
06/05/2023 11:50	3.9	83	14	5.6	0.00
06/05/2023 12:00	3.8	85	15	5.2	0.00
06/05/2023 12:10	4.1	87	15	5.8	0.00
06/05/2023 12:20	3.8	84	14	5.6	0.00
06/05/2023 12:30	3.5	85	14	4.9	0.00
06/05/2023 12:40	3.8	85	16	5.2	0.00
06/05/2023 12:50	3.2	84	15	4.4	0.00
06/05/2023 13:00	3.3	81	16	5.1	0.00
06/05/2023 13:10	3.6	80	13	5.5	0.00
06/05/2023 13:20	3.5	75	12	4.7	0.00
06/05/2023 13:30	3.1	75	17	4.8	0.00
06/05/2023 13:40	2.9	81	16	4.1	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/05/2023 13:50	3.3	81	16	4.7	0.00
06/05/2023 14:00	3.2	77	17	4.6	0.00
06/05/2023 14:10	3.0	72	17	4.3	0.00
06/05/2023 14:20	3.1	78	13	4.0	0.00
06/05/2023 14:30	2.8	70	13	3.9	0.00
06/05/2023 14:40	2.9	60	13	3.9	0.00
06/05/2023 14:50	2.6	77	15	3.7	0.00
06/05/2023 15:00	2.4	69	19	3.6	0.00
06/05/2023 15:10	2.2	73	16	3.6	0.00
06/05/2023 15:20	2.7	71	12	3.8	0.00
06/05/2023 15:30	3.0	79	12	4.2	0.00
06/05/2023 15:40	2.7	69	14	4.0	0.00
06/05/2023 15:50	3.2	57	11	4.1	0.00
06/05/2023 16:00	3.1	57	13	4.3	0.00
06/05/2023 16:10	3.1	58	10	4.4	0.00
06/05/2023 16:20	2.3	61	19	3.4	0.00
06/05/2023 16:30	2.9	56	12	4.2	0.00
06/05/2023 16:40	3.0	57	10	3.9	0.00
06/05/2023 16:50	2.0	51	13	3.1	0.00
06/05/2023 17:00	2.2	60	12	3.0	0.00
06/05/2023 17:10	2.2	62	12	3.0	0.00
06/05/2023 17:20	2.0	63	14	2.6	0.00
06/05/2023 17:30	1.7	64	16	2.4	0.00
06/05/2023 17:40	1.0	74	23	1.8	0.00
06/05/2023 17:50	1.4	80	13	2.0	0.00
06/05/2023 18:00	1.1	77	14	1.6	0.00
06/05/2023 18:10	1.2	73	17	1.6	0.00
06/05/2023 18:20	0.7	81	15	1.0	0.00
06/05/2023 18:30	1.0	79	12	1.4	0.00
06/05/2023 18:40	1.0	73	11	1.4	0.00
06/05/2023 18:50	1.0	76	14	1.5	0.00
06/05/2023 19:00	1.2	87	13	1.7	0.00
06/05/2023 19:10	1.0	74	14	1.5	0.00
06/05/2023 19:20	1.0	85	12	1.2	0.00
06/05/2023 19:30	0.4	94	6	0.9	0.00
06/05/2023 19:40	0.9	88	9	1.2	0.00
06/05/2023 19:50	0.6	86	8	1.0	0.00
06/05/2023 20:00	0.8	104	11	1.4	0.00
06/05/2023 20:10	1.5	108	17	2.3	0.00
06/05/2023 20:20	1.6	105	17	2.4	0.00
06/05/2023 20:30	2.2	110	15	3.2	0.00
06/05/2023 20:40	2.1	124	14	3.2	0.00
06/05/2023 20:50	1.8	140	16	2.8	0.00
06/05/2023 21:00	2.1	152	17	3.2	0.00
06/05/2023 21:10	1.9	137	20	3.1	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/05/2023 21:20	2.1	138	18	3.1	0.00
06/05/2023 21:30	2.0	136	21	3.1	0.00
06/05/2023 21:40	1.9	146	17	3.0	0.00
06/05/2023 21:50	1.5	137	22	2.3	0.00
06/05/2023 22:00	2.0	148	17	2.6	0.00
06/05/2023 22:10	1.8	157	17	2.7	0.00
06/05/2023 22:20	1.7	142	23	2.4	0.00
06/05/2023 22:30	2.0	134	19	3.0	0.00
06/05/2023 22:40	1.8	137	21	2.7	0.00
06/05/2023 22:50	2.1	154	17	3.2	0.00
06/05/2023 23:00	2.4	143	17	3.6	0.00
06/05/2023 23:10	2.5	128	19	3.9	0.00
06/05/2023 23:20	2.3	147	18	3.6	0.00
06/05/2023 23:30	2.4	137	21	3.6	0.00
06/05/2023 23:40	2.5	123	16	3.6	0.00
06/05/2023 23:50	2.7	123	15	4.0	0.00
07/05/2023 00:00	2.9	115	13	4.1	0.00
07/05/2023 00:10	3.1	115	9	4.0	0.00
07/05/2023 00:20	2.3	123	16	3.2	0.00
07/05/2023 00:30	2.3	125	23	3.7	0.00
07/05/2023 00:40	1.8	128	26	2.8	0.00
07/05/2023 00:50	2.1	134	23	3.3	0.00
07/05/2023 01:00	1.9	136	24	3.1	0.00
07/05/2023 01:10	2.7	123	21	4.6	0.00
07/05/2023 01:20	2.2	115	37	4.5	0.00
07/05/2023 01:30	2.8	127	19	4.1	0.00
07/05/2023 01:40	2.9	120	14	4.3	0.00
07/05/2023 01:50	2.7	99	17	4.4	0.00
07/05/2023 02:00	2.1	104	25	3.8	0.00
07/05/2023 02:10	2.2	100	23	3.4	0.00
07/05/2023 02:20	2.1	104	27	3.8	0.00
07/05/2023 02:30	2.0	103	23	3.8	0.00
07/05/2023 02:40	2.9	92	19	5.0	0.00
07/05/2023 02:50	2.3	104	26	4.0	0.00
07/05/2023 03:00	2.7	92	23	4.5	0.00
07/05/2023 03:10	2.5	102	22	4.1	0.00
07/05/2023 03:20	3.0	111	21	4.6	0.00
07/05/2023 03:30	2.7	113	24	4.6	0.00
07/05/2023 03:40	2.5	106	31	3.9	0.00
07/05/2023 03:50	2.5	113	23	5.2	0.00
07/05/2023 04:00	2.7	117	23	4.7	0.00
07/05/2023 04:10	2.3	102	24	3.8	0.00
07/05/2023 04:20	2.4	111	29	4.0	0.00
07/05/2023 04:30	2.8	118	23	4.9	0.00
07/05/2023 04:40	3.0	122	22	5.1	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/05/2023 04:50	3.6	117	25	5.8	0.00
07/05/2023 05:00	3.3	114	21	6.4	0.00
07/05/2023 05:10	3.0	110	21	5.2	0.00
07/05/2023 05:20	2.3	111	26	4.4	0.00
07/05/2023 05:30	2.7	112	21	5.4	0.00
07/05/2023 05:40	3.0	111	21	5.0	0.00
07/05/2023 05:50	2.7	110	28	4.2	0.00
07/05/2023 06:00	2.8	104	25	4.7	0.00
07/05/2023 06:10	3.7	99	20	6.7	0.00
07/05/2023 06:20	3.4	102	25	6.0	0.00
07/05/2023 06:30	3.9	94	24	7.1	0.00
07/05/2023 06:40	3.8	91	22	6.6	0.00
07/05/2023 06:50	4.3	85	17	6.5	0.00
07/05/2023 07:00	3.5	90	17	6.1	0.00
07/05/2023 07:10	3.2	97	23	4.8	0.00
07/05/2023 07:20	3.4	103	21	5.8	0.00
07/05/2023 07:30	3.8	95	24	6.9	0.00
07/05/2023 07:40	3.5	95	20	5.8	0.00
07/05/2023 07:50	3.7	98	25	5.8	0.00
07/05/2023 08:00	3.2	103	27	6.0	0.00
07/05/2023 08:10	3.4	107	23	5.5	0.00
07/05/2023 08:20	4.6	87	17	7.5	0.00
07/05/2023 08:30	4.5	90	18	7.3	0.00
07/05/2023 08:40	5.1	87	15	8.0	0.00
07/05/2023 08:50	4.6	102	21	7.5	0.00
07/05/2023 09:00	4.4	92	20	7.0	0.00
07/05/2023 09:10	5.7	85	15	8.4	0.00
07/05/2023 09:20	6.1	87	15	8.7	0.00
07/05/2023 09:30	5.9	87	14	7.8	0.00
07/05/2023 09:40	5.9	88	19	9.1	0.00
07/05/2023 09:50	6.2	87	14	8.4	0.00
07/05/2023 10:00	6.2	84	12	8.8	0.00
07/05/2023 10:10	5.2	87	13	7.7	0.00
07/05/2023 10:20	5.5	84	15	7.6	0.00
07/05/2023 10:30	5.4	84	16	7.2	0.00
07/05/2023 10:40	5.7	85	15	8.6	0.00
07/05/2023 10:50	5.3	85	15	8.2	0.00
07/05/2023 11:00	5.1	84	17	7.5	0.00
07/05/2023 11:10	5.5	83	14	7.8	0.00
07/05/2023 11:20	5.7	85	15	7.9	0.00
07/05/2023 11:30	5.5	82	13	7.6	0.00
07/05/2023 11:40	5.3	84	15	7.7	0.00
07/05/2023 11:50	5.5	83	13	7.6	0.00
07/05/2023 12:00	5.0	86	14	6.7	0.00
07/05/2023 12:10	5.0	81	15	7.0	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/05/2023 12:20	4.6	84	15	6.6	0.00
07/05/2023 12:30	4.7	84	15	6.1	0.00
07/05/2023 12:40	5.1	82	14	7.0	0.00
07/05/2023 12:50	4.5	83	13	6.4	0.00
07/05/2023 13:00	4.1	76	14	5.5	0.00
07/05/2023 13:10	4.2	71	14	5.4	0.00
07/05/2023 13:20	3.9	75	17	5.2	0.00
07/05/2023 13:30	3.9	72	15	6.0	0.00
07/05/2023 13:40	3.8	75	14	5.6	0.00
07/05/2023 13:50	3.4	74	15	5.2	0.00
07/05/2023 14:00	3.4	65	17	4.8	0.00
07/05/2023 14:10	3.1	62	14	4.8	0.00
07/05/2023 14:20	3.2	61	15	4.3	0.00
07/05/2023 14:30	3.1	63	15	4.7	0.00
07/05/2023 14:40	3.1	61	15	4.4	0.00
07/05/2023 14:50	3.9	56	10	4.8	0.00
07/05/2023 15:00	3.7	60	9	4.7	0.00
07/05/2023 15:10	3.4	64	10	4.4	0.00
07/05/2023 15:20	2.9	49	13	3.8	0.00
07/05/2023 15:30	3.0	49	14	4.1	0.00
07/05/2023 15:40	3.0	48	13	3.7	0.00
07/05/2023 15:50	3.1	41	13	4.4	0.00
07/05/2023 16:00	2.9	42	14	4.1	0.00
07/05/2023 16:10	3.1	43	12	4.1	0.00
07/05/2023 16:20	3.1	42	11	4.2	0.00
07/05/2023 16:30	2.6	50	13	3.7	0.00
07/05/2023 16:40	2.4	51	12	3.2	0.00
07/05/2023 16:50	2.4	43	15	3.2	0.00
07/05/2023 17:00	2.6	41	13	3.6	0.00
07/05/2023 17:10	2.0	47	13	2.8	0.00
07/05/2023 17:20	1.4	54	18	2.4	0.00
07/05/2023 17:30	1.4	48	17	2.3	0.00
07/05/2023 17:40	1.5	52	16	2.3	0.00
07/05/2023 17:50	1.2	55	16	2.0	0.00
07/05/2023 18:00	1.0	51	21	1.6	0.00
07/05/2023 18:10	0.8	76	29	1.3	0.00
07/05/2023 18:20	0.8	86	22	1.4	0.00
07/05/2023 18:30	0.5	114	25	1.2	0.00
07/05/2023 18:40	0.8	119	21	1.2	0.00
07/05/2023 18:50	0.9	101	17	1.2	0.00
07/05/2023 19:00	1.0	92	16	1.5	0.00
07/05/2023 19:10	0.9	100	16	1.3	0.00
07/05/2023 19:20	1.1	91	16	1.4	0.00
07/05/2023 19:30	0.9	89	18	1.4	0.00
07/05/2023 19:40	1.0	89	16	1.4	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/05/2023 19:50	1.0	89	18	1.6	0.00
07/05/2023 20:00	1.0	106	14	1.4	0.00
07/05/2023 20:10	0.8	108	20	1.2	0.00
07/05/2023 20:20	0.4	101	18	1.0	0.00
07/05/2023 20:30	0.5	109	12	0.9	0.00
07/05/2023 20:40	0.8	115	12	1.2	0.00
07/05/2023 20:50	1.0	107	12	1.3	0.00
07/05/2023 21:00	1.0	115	19	1.5	0.00
07/05/2023 21:10	1.4	93	10	1.7	0.00
07/05/2023 21:20	1.1	78	12	1.6	0.00
07/05/2023 21:30	1.3	89	11	1.7	0.00
07/05/2023 21:40	1.1	99	13	1.4	0.00
07/05/2023 21:50	1.2	129	21	1.7	0.00
07/05/2023 22:00	1.5	118	15	2.0	0.00
07/05/2023 22:10	0.9	111	15	1.5	0.00
07/05/2023 22:20	1.5	131	19	2.0	0.00
07/05/2023 22:30	1.4	136	15	2.3	0.00
07/05/2023 22:40	1.8	128	18	2.6	0.00
07/05/2023 22:50	2.3	129	18	3.6	0.00
07/05/2023 23:00	2.4	119	14	3.3	0.00
07/05/2023 23:10	2.5	116	14	3.2	0.00
07/05/2023 23:20	2.5	116	10	3.4	0.00
07/05/2023 23:30	2.2	123	15	3.2	0.00
07/05/2023 23:40	2.3	130	14	3.4	0.00
07/05/2023 23:50	2.7	131	21	4.1	0.00
08/05/2023 00:00	2.4	131	16	3.5	0.00
08/05/2023 00:10	2.2	125	19	3.3	0.00
08/05/2023 00:20	2.2	129	19	3.1	0.00
08/05/2023 00:30	2.2	126	19	3.4	0.00
08/05/2023 00:40	1.9	119	21	2.9	0.00
08/05/2023 00:50	2.3	121	13	3.2	0.00
08/05/2023 01:00	2.0	124	19	3.2	0.00
08/05/2023 01:10	1.8	134	24	3.2	0.00
08/05/2023 01:20	1.5	129	29	2.8	0.00
08/05/2023 01:30	1.8	141	24	2.8	0.00
08/05/2023 01:40	2.3	127	22	3.4	0.00
08/05/2023 01:50	2.0	120	18	3.5	0.00
08/05/2023 02:00	1.8	125	18	3.0	0.00
08/05/2023 02:10	2.2	115	25	3.2	0.00
08/05/2023 02:20	2.1	124	28	3.2	0.00
08/05/2023 02:30	2.1	127	30	3.6	0.00
08/05/2023 02:40	2.7	119	20	4.4	0.00
08/05/2023 02:50	2.8	124	17	4.4	0.00
08/05/2023 03:00	2.6	116	16	4.0	0.00
08/05/2023 03:10	2.3	117	22	3.6	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/05/2023 03:20	2.8	119	19	4.8	0.00
08/05/2023 03:30	3.0	117	19	4.4	0.00
08/05/2023 03:40	3.8	118	19	5.8	0.00
08/05/2023 03:50	3.7	120	23	6.0	0.00
08/05/2023 04:00	4.1	115	19	6.0	0.00
08/05/2023 04:10	3.3	111	22	5.6	0.00
08/05/2023 04:20	2.9	115	22	4.5	0.00
08/05/2023 04:30	3.1	115	23	6.0	0.00
08/05/2023 04:40	3.2	116	22	5.2	0.00
08/05/2023 04:50	3.6	111	27	6.6	0.00
08/05/2023 05:00	3.5	120	24	6.5	0.00
08/05/2023 05:10	3.5	120	26	6.4	0.00
08/05/2023 05:20	3.9	122	26	6.3	0.00
08/05/2023 05:30	3.9	115	23	6.7	0.00
08/05/2023 05:40	2.9	115	21	5.4	0.00
08/05/2023 05:50	2.9	107	25	4.9	0.00
08/05/2023 06:00	3.0	103	23	5.1	0.00
08/05/2023 06:10	2.9	107	22	5.0	0.00
08/05/2023 06:20	2.9	101	23	4.8	0.00
08/05/2023 06:30	3.6	106	22	7.4	0.00
08/05/2023 06:40	3.5	109	23	6.4	0.00
08/05/2023 06:50	3.5	101	20	6.0	0.00
08/05/2023 07:00	3.7	94	22	6.4	0.00
08/05/2023 07:10	4.0	86	17	6.6	0.00
08/05/2023 07:20	3.5	104	27	5.6	0.00
08/05/2023 07:30	3.7	106	21	6.3	0.00
08/05/2023 07:40	4.0	103	21	6.5	0.00
08/05/2023 07:50	3.8	110	24	6.1	0.00
08/05/2023 08:00	3.6	110	22	5.7	0.00
08/05/2023 08:10	3.8	107	21	6.2	0.00
08/05/2023 08:20	3.5	107	21	6.0	0.00
08/05/2023 08:30	3.6	108	25	6.1	0.00
08/05/2023 08:40	4.1	92	19	6.9	0.00
08/05/2023 08:50	4.8	86	15	7.1	0.00
08/05/2023 09:00	5.3	86	15	7.8	0.00
08/05/2023 09:10	6.0	88	15	8.7	0.00
08/05/2023 09:20	6.4	86	13	9.0	0.00
08/05/2023 09:30	6.0	88	16	8.7	0.00
08/05/2023 09:40	6.2	90	14	8.7	0.00
08/05/2023 09:50	5.8	86	17	8.9	0.00
08/05/2023 10:00	5.9	87	15	8.3	0.00
08/05/2023 10:10	6.2	86	15	8.8	0.00
08/05/2023 10:20	6.0	86	16	8.3	0.00
08/05/2023 10:30	6.0	85	15	8.2	0.00
08/05/2023 10:40	5.6	80	15	7.7	0.00





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/05/2023 10:50	5.8	79	14	8.7	0.00
08/05/2023 11:00	5.2	78	14	7.6	0.00
08/05/2023 11:10	5.4	76	15	7.5	0.00
08/05/2023 11:20	5.4	74	14	8.3	0.00
08/05/2023 11:30	5.6	76	15	7.7	0.00
08/05/2023 11:40	4.6	82	16	6.4	0.00
08/05/2023 11:50	4.4	77	15	6.5	0.00
08/05/2023 12:00	4.8	74	15	6.6	0.00
08/05/2023 12:10	5.1	75	15	7.0	0.00
08/05/2023 12:20	4.8	73	15	6.7	0.00
08/05/2023 12:30	4.7	75	14	6.4	0.00
08/05/2023 12:40	4.3	69	15	6.1	0.00
08/05/2023 12:50	3.7	67	17	5.3	0.00
08/05/2023 13:00	3.7	66	18	6.3	0.00
08/05/2023 13:10	4.2	57	12	5.7	0.00
08/05/2023 13:20	4.3	58	14	6.4	0.00
08/05/2023 13:30	5.0	55	13	6.6	0.00
08/05/2023 13:40	5.1	58	13	7.0	0.00
08/05/2023 13:50	5.6	56	11	7.2	0.00
08/05/2023 14:00	5.9	56	11	7.8	0.00
08/05/2023 14:10	5.3	53	15	7.4	0.00
08/05/2023 14:20	5.0	54	11	6.7	0.00
08/05/2023 14:30	5.3	55	13	6.8	0.00
08/05/2023 14:40	5.1	60	11	7.1	0.00
08/05/2023 14:50	4.7	57	12	6.4	0.00
08/05/2023 15:00	4.3	60	13	6.1	0.00
08/05/2023 15:10	4.5	59	10	6.1	0.00
08/05/2023 15:20	3.9	58	12	5.4	0.00
08/05/2023 15:30	4.4	58	12	5.6	0.00
08/05/2023 15:40	3.8	56	15	5.6	0.00
08/05/2023 15:50	3.8	58	12	5.6	0.00
08/05/2023 16:00	3.8	57	11	5.2	0.00
08/05/2023 16:10	3.9	60	10	5.3	0.00
08/05/2023 16:20	3.4	56	12	4.8	0.00
08/05/2023 16:30	3.5	58	11	4.9	0.00
08/05/2023 16:40	3.5	57	11	4.7	0.00
08/05/2023 16:50	3.3	58	11	4.5	0.00
08/05/2023 17:00	3.4	57	12	4.4	0.00
08/05/2023 17:10	3.0	56	13	4.4	0.00
08/05/2023 17:20	2.8	47	12	4.3	0.00
08/05/2023 17:30	3.2	46	15	5.0	0.00
08/05/2023 17:40	3.0	42	12	4.4	0.00
08/05/2023 17:50	2.9	42	15	4.0	0.00
08/05/2023 18:00	2.6	45	13	3.9	0.00
08/05/2023 18:10	2.7	45	11	3.7	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
08/05/2023 18:20	2.6	49	15	3.3	0.00
08/05/2023 18:30	2.7	46	12	3.5	0.00
08/05/2023 18:40	2.3	48	14	3.2	0.00
08/05/2023 18:50	2.2	43	14	3.4	0.00
08/05/2023 19:00	1.9	40	12	2.8	0.00
08/05/2023 19:10	1.9	47	14	2.8	0.00
08/05/2023 19:20	1.9	47	14	2.5	0.00
08/05/2023 19:30	1.7	52	14	2.4	0.00
08/05/2023 19:40	1.6	46	15	2.3	0.00
08/05/2023 19:50	1.7	59	14	2.4	0.00
08/05/2023 20:00	1.7	55	13	2.5	0.00
08/05/2023 20:10	1.8	47	15	2.4	0.00
08/05/2023 20:20	1.7	40	16	2.3	0.00
08/05/2023 20:30	2.0	48	13	2.9	0.00
08/05/2023 20:40	1.8	51	13	2.9	0.00
08/05/2023 20:50	1.9	50	14	3.1	0.00
08/05/2023 21:00	1.7	60	14	2.4	0.00
08/05/2023 21:10	1.2	75	18	1.9	0.00
08/05/2023 21:20	0.9	82	16	1.5	0.00
08/05/2023 21:30	0.9	95	19	1.4	0.00
08/05/2023 21:40	1.1	87	16	1.6	0.00
08/05/2023 21:50	1.1	94	17	1.8	0.00
08/05/2023 22:00	1.5	94	15	2.5	0.00
08/05/2023 22:10	1.5	89	13	2.0	0.00
08/05/2023 22:20	1.8	88	14	2.8	0.00
08/05/2023 22:30	1.2	98	14	2.1	0.00
08/05/2023 22:40	0.9	90	16	1.7	0.00
08/05/2023 22:50	1.2	98	12	2.1	0.00
08/05/2023 23:00	1.5	119	15	3.0	0.00
08/05/2023 23:10	1.5	118	16	2.4	0.00
08/05/2023 23:20	2.0	150	18	3.0	0.00
08/05/2023 23:30	1.8	142	22	2.8	0.00
08/05/2023 23:40	2.6	162	13	3.6	0.00
08/05/2023 23:50	1.8	144	21	3.5	0.00
09/05/2023 00:00	2.6	156	12	3.3	0.00
09/05/2023 00:10	2.1	154	17	3.1	0.00
09/05/2023 00:20	2.3	153	16	3.2	0.00
09/05/2023 00:30	1.6	136	20	2.3	0.00
09/05/2023 00:40	2.1	150	23	3.7	0.00
09/05/2023 00:50	1.9	123	18	3.1	0.00
09/05/2023 01:00	1.8	137	18	2.8	0.00
09/05/2023 01:10	2.2	134	18	3.2	0.00
09/05/2023 01:20	2.2	131	18	3.6	0.00
09/05/2023 01:30	2.2	147	20	3.3	0.00
09/05/2023 01:40	2.6	141	21	4.4	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/05/2023 01:50	2.6	148	19	4.1	0.00
09/05/2023 02:00	2.2	145	24	3.4	0.00
09/05/2023 02:10	2.3	130	25	3.9	0.00
09/05/2023 02:20	3.2	127	21	4.9	0.00
09/05/2023 02:30	3.4	125	20	6.3	0.00
09/05/2023 02:40	4.0	122	18	5.8	0.00
09/05/2023 02:50	4.0	122	14	5.6	0.00
09/05/2023 03:00	3.6	116	17	5.4	0.00
09/05/2023 03:10	2.8	109	22	4.0	0.00
09/05/2023 03:20	2.9	111	19	4.6	0.00
09/05/2023 03:30	2.5	105	19	4.0	0.00
09/05/2023 03:40	2.9	105	23	4.4	0.00
09/05/2023 03:50	3.4	95	17	5.8	0.00
09/05/2023 04:00	4.0	89	16	5.9	0.00
09/05/2023 04:10	3.3	93	18	5.3	0.00
09/05/2023 04:20	3.4	95	21	5.8	0.00
09/05/2023 04:30	4.5	90	15	7.1	0.00
09/05/2023 04:40	4.9	89	16	7.1	0.00
09/05/2023 04:50	4.7	89	17	6.8	0.00
09/05/2023 05:00	4.9	88	15	7.2	0.00
09/05/2023 05:10	5.7	83	12	8.1	0.00
09/05/2023 05:20	5.0	88	14	7.9	0.00
09/05/2023 05:30	4.6	83	15	6.6	0.00
09/05/2023 05:40	5.0	86	13	7.7	0.00
09/05/2023 05:50	5.0	85	14	7.5	0.00
09/05/2023 06:00	5.5	89	15	7.9	0.00
09/05/2023 06:10	5.9	87	15	8.8	0.00
09/05/2023 06:20	5.7	89	16	8.5	0.00
09/05/2023 06:30	5.4	87	15	7.6	0.00
09/05/2023 06:40	5.3	88	15	8.4	0.00
09/05/2023 06:50	4.8	92	17	6.9	0.00
09/05/2023 07:00	4.6	86	15	7.2	0.00
09/05/2023 07:10	5.0	90	16	7.7	0.00
09/05/2023 07:20	4.6	88	17	8.0	0.00
09/05/2023 07:30	4.5	90	16	7.2	0.00
09/05/2023 07:40	3.7	106	21	5.8	0.00
09/05/2023 07:50	3.4	107	25	5.2	0.00
09/05/2023 08:00	3.6	92	20	5.8	0.00
09/05/2023 08:10	5.0	90	17	7.6	0.00
09/05/2023 08:20	5.1	87	17	7.2	0.00
09/05/2023 08:30	6.1	86	15	9.4	0.00
09/05/2023 08:40	6.2	86	14	8.5	0.00
09/05/2023 08:50	6.5	88	13	8.8	0.00
09/05/2023 09:00	6.0	88	15	8.3	0.00
09/05/2023 09:10	6.1	88	14	8.7	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/05/2023 09:20	5.8	84	15	8.2	0.00
09/05/2023 09:30	5.7	82	14	7.7	0.00
09/05/2023 09:40	5.6	87	15	7.7	0.00
09/05/2023 09:50	5.5	88	17	8.5	0.00
09/05/2023 10:00	5.8	85	14	8.1	0.00
09/05/2023 10:10	5.8	82	17	8.7	0.00
09/05/2023 10:20	5.7	83	16	8.3	0.00
09/05/2023 10:30	5.8	77	13	8.3	0.00
09/05/2023 10:40	6.0	74	15	8.6	0.00
09/05/2023 10:50	5.5	71	14	8.7	0.00
09/05/2023 11:00	5.4	73	15	8.0	0.00
09/05/2023 11:10	5.4	73	15	7.9	0.00
09/05/2023 11:20	4.9	67	16	6.8	0.00
09/05/2023 11:30	5.0	71	15	7.5	0.00
09/05/2023 11:40	5.3	71	15	7.9	0.00
09/05/2023 11:50	5.2	76	14	7.6	0.00
09/05/2023 12:00	5.1	73	15	7.4	0.00
09/05/2023 12:10	4.7	71	16	6.9	0.00
09/05/2023 12:20	4.7	74	14	6.4	0.00
09/05/2023 12:30	4.6	71	17	6.8	0.00
09/05/2023 12:40	4.6	70	15	6.6	0.00
09/05/2023 12:50	4.5	64	16	6.8	0.00
09/05/2023 13:00	5.4	57	11	7.2	0.00
09/05/2023 13:10	5.5	57	12	7.2	0.00
09/05/2023 13:20	5.4	59	10	7.2	0.00
09/05/2023 13:30	5.2	55	10	6.8	0.00
09/05/2023 13:40	4.8	56	12	6.7	0.00
09/05/2023 13:50	4.4	50	12	6.2	0.00
09/05/2023 14:00	4.2	48	11	5.9	0.00
09/05/2023 14:10	3.9	44	12	5.6	0.00
09/05/2023 14:20	4.0	43	13	5.4	0.00
09/05/2023 14:30	3.9	43	13	5.1	0.00
09/05/2023 14:40	3.6	45	13	4.9	0.00
09/05/2023 14:50	3.8	42	13	5.2	0.00
09/05/2023 15:00	3.4	43	14	4.8	0.00
09/05/2023 15:10	3.5	44	12	4.8	0.00
09/05/2023 15:20	4.0	44	10	5.5	0.00
09/05/2023 15:30	3.8	39	12	5.1	0.00
09/05/2023 15:40	3.5	38	13	5.1	0.00
09/05/2023 15:50	3.5	45	11	4.8	0.00
09/05/2023 16:00	3.4	41	13	4.3	0.00
09/05/2023 16:10	3.3	42	11	4.4	0.00
09/05/2023 16:20	3.2	42	16	4.4	0.00
09/05/2023 16:30	3.4	45	13	4.6	0.00
09/05/2023 16:40	3.0	47	14	4.0	0.00



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
09/05/2023 16:50	2.9	46	12	4.2	0.00
09/05/2023 17:00	2.9	48	12	4.2	0.00
09/05/2023 17:10	2.7	51	12	3.7	0.00
09/05/2023 17:20	2.6	52	11	3.6	0.00
09/05/2023 17:30	2.5	46	12	3.6	0.00
09/05/2023 17:40	2.1	45	14	3.0	0.00
09/05/2023 17:50	1.6	51	15	2.4	0.00
09/05/2023 18:00	1.2	54	21	1.9	0.00
09/05/2023 18:10	0.9	54	21	1.6	0.00
09/05/2023 18:20	1.2	45	15	1.8	0.00
09/05/2023 18:30	0.5	44	26	1.0	0.00
09/05/2023 18:40	0.5	145	36	1.0	0.00
09/05/2023 18:50	0.3	104	23	0.9	0.00
09/05/2023 19:00	0.2	72	11	0.8	0.00
09/05/2023 19:10	0.1	133	5	0.8	0.00
09/05/2023 19:20	0.3	169	14	0.8	0.00
09/05/2023 19:30					0.00
09/05/2023 19:40	0.3	136	9	0.9	0.00
09/05/2023 19:50	0.5	105	11	1.0	0.00
09/05/2023 20:00	0.2	97	5	0.7	0.00
09/05/2023 20:10	0.0	129	0	0.4	0.00
09/05/2023 20:20					0.00
09/05/2023 20:30					0.00
09/05/2023 20:40					0.00
09/05/2023 20:50					0.00
09/05/2023 21:00					0.00
09/05/2023 21:10					0.00
09/05/2023 21:20					0.00
09/05/2023 21:30					0.00
09/05/2023 21:40					0.00
09/05/2023 21:50					0.00
09/05/2023 22:00					0.00
09/05/2023 22:10					0.00
09/05/2023 22:20					0.00
09/05/2023 22:30					0.00
09/05/2023 22:40					0.00
09/05/2023 22:50					0.00
09/05/2023 23:00					0.00
09/05/2023 23:10					0.00
09/05/2023 23:20	1.0	125	18	1.6	0.00
09/05/2023 23:30	1.5	125	19	2.4	0.00
09/05/2023 23:40	1.3	131	18	2.5	0.00
09/05/2023 23:50	1.3	132	19	2.3	0.00
10/05/2023 00:00	1.5	153	18	2.7	0.00
10/05/2023 00:10	2.2	162	14	2.8	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/05/2023 00:20	1.8	151	21	3.5	0.00
10/05/2023 00:30	1.9	139	18	3.1	0.00
10/05/2023 00:40	2.2	149	16	3.3	0.00
10/05/2023 00:50	2.3	132	21	3.2	0.00
10/05/2023 01:00	2.4	133	19	3.5	0.00
10/05/2023 01:10	3.0	124	15	4.3	0.00
10/05/2023 01:20	3.1	132	19	4.2	0.00
10/05/2023 01:30	2.9	133	21	5.0	0.00
10/05/2023 01:40	3.2	123	16	4.7	0.00
10/05/2023 01:50	3.5	119	15	4.6	0.00
10/05/2023 02:00	3.2	121	16	4.3	0.00
10/05/2023 02:10	3.5	115	13	4.7	0.00
10/05/2023 02:20	3.7	115	11	4.8	0.00
10/05/2023 02:30	3.3	112	16	4.5	0.00
10/05/2023 02:40	2.8	112	19	4.4	0.00
10/05/2023 02:50	2.4	103	18	3.5	0.00
10/05/2023 03:00	2.8	102	20	4.4	0.00
10/05/2023 03:10	3.0	115	18	4.4	0.00
10/05/2023 03:20	3.1	95	20	5.3	0.00
10/05/2023 03:30	4.2	91	15	6.4	0.00
10/05/2023 03:40	3.7	97	19	5.5	0.00
10/05/2023 03:50	3.6	122	18	5.2	0.00
10/05/2023 04:00	3.5	117	17	5.0	0.00
10/05/2023 04:10	3.1	110	21	4.8	0.00
10/05/2023 04:20	4.0	90	18	6.7	0.00
10/05/2023 04:30	3.8	93	16	5.8	0.00
10/05/2023 04:40	4.1	91	15	6.0	0.00
10/05/2023 04:50	4.5	91	16	6.1	0.00
10/05/2023 05:00	4.9	88	15	6.8	0.00
10/05/2023 05:10	4.3	98	21	6.0	0.00
10/05/2023 05:20	3.5	99	23	6.4	0.00
10/05/2023 05:30	3.6	89	18	5.4	0.00
10/05/2023 05:40	3.5	111	22	6.0	0.00
10/05/2023 05:50	4.2	115	21	7.2	0.00
10/05/2023 06:00	3.9	121	20	6.8	0.00
10/05/2023 06:10	4.4	118	21	7.2	0.00
10/05/2023 06:20	4.3	112	22	6.9	0.00
10/05/2023 06:30	4.1	115	21	6.5	0.00
10/05/2023 06:40	4.0	113	21	6.7	0.00
10/05/2023 06:50	3.9	110	21	6.7	0.00
10/05/2023 07:00	3.5	111	22	6.0	0.00
10/05/2023 07:10	3.3	97	21	5.2	0.00
10/05/2023 07:20	3.3	108	24	5.7	0.00
10/05/2023 07:30	3.5	96	21	5.5	0.00
10/05/2023 07:40	3.6	98	21	5.8	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/05/2023 07:50	3.7	104	24	5.8	0.00
10/05/2023 08:00	4.2	105	23	7.3	0.00
10/05/2023 08:10	4.4	106	22	7.4	0.00
10/05/2023 08:20	3.3	109	24	5.4	0.00
10/05/2023 08:30	3.8	103	21	6.1	0.00
10/05/2023 08:40	4.0	101	21	7.1	0.00
10/05/2023 08:50	4.6	93	21	7.3	0.00
10/05/2023 09:00	5.3	85	15	8.3	0.00
10/05/2023 09:10	6.2	88	16	9.1	0.00
10/05/2023 09:20	6.5	88	16	9.2	0.00
10/05/2023 09:30	6.1	89	15	9.0	0.00
10/05/2023 09:40	6.2	87	14	8.6	0.00
10/05/2023 09:50	5.9	89	15	8.4	0.00
10/05/2023 10:00	5.6	88	17	8.3	0.00
10/05/2023 10:10	6.1	87	13	8.7	0.00
10/05/2023 10:20	4.8	84	16	7.5	0.00
10/05/2023 10:30	5.1	85	15	7.2	0.00
10/05/2023 10:40	4.7	85	15	6.6	0.00
10/05/2023 10:50	4.5	85	14	6.5	0.00
10/05/2023 11:00	4.7	85	14	6.9	0.00
10/05/2023 11:10	4.3	87	17	5.9	0.00
10/05/2023 11:20	4.4	88	16	6.4	0.00
10/05/2023 11:30	4.4	88	18	6.8	0.00
10/05/2023 11:40	4.4	76	15	5.9	0.00
10/05/2023 11:50	4.2	76	14	6.6	0.00
10/05/2023 12:00	4.2	78	14	5.8	0.00
10/05/2023 12:10	4.8	83	17	6.4	0.00
10/05/2023 12:20	4.3	78	13	6.5	0.00
10/05/2023 12:30	4.3	68	15	6.1	0.00
10/05/2023 12:40	4.2	67	15	5.9	0.00
10/05/2023 12:50	3.9	64	16	5.8	0.00
10/05/2023 13:00	3.9	69	14	5.8	0.00
10/05/2023 13:10	3.8	77	14	5.6	0.00
10/05/2023 13:20	3.2	88	16	4.9	0.00
10/05/2023 13:30	3.0	78	14	4.8	0.00
10/05/2023 13:40	3.0	71	14	4.2	0.00
10/05/2023 13:50	2.8	76	15	4.1	0.00
10/05/2023 14:00	2.6	68	15	3.9	0.00
10/05/2023 14:10	2.7	56	13	4.0	0.00
10/05/2023 14:20	2.8	53	11	4.0	0.00
10/05/2023 14:30	2.8	59	13	3.7	0.00
10/05/2023 14:40	2.5	47	14	3.6	0.00
10/05/2023 14:50	2.1	46	15	2.9	0.00
10/05/2023 15:00	2.4	50	13	3.2	0.00
10/05/2023 15:10	1.7	54	13	2.4	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/05/2023 15:20	1.5	58	17	2.3	0.00
10/05/2023 15:30	1.6	55	13	2.1	0.00
10/05/2023 15:40	1.4	50	11	1.9	0.00
10/05/2023 15:50	1.4	57	12	1.9	0.00
10/05/2023 16:00	1.1	63	16	1.6	0.00
10/05/2023 16:10	1.1	54	16	1.7	0.00
10/05/2023 16:20	1.1	60	13	1.9	0.00
10/05/2023 16:30	1.2	57	11	1.7	0.00
10/05/2023 16:40	0.5	63	11	1.0	0.00
10/05/2023 16:50	0.6	72	12	1.1	0.00
10/05/2023 17:00	0.6	68	12	1.1	0.00
10/05/2023 17:10	0.9	73	10	1.4	0.00
10/05/2023 17:20	0.8	65	15	1.0	0.00
10/05/2023 17:30	0.2	66	6	0.5	0.00
10/05/2023 17:40	0.1	51	8	0.6	0.00
10/05/2023 17:50					0.00
10/05/2023 18:00	0.0	93	2	0.4	0.00
10/05/2023 18:10	0.0	83	0	0.4	0.00
10/05/2023 18:20	0.4	88	6	0.8	0.00
10/05/2023 18:30	0.6	87	6	1.0	0.00
10/05/2023 18:40	1.1	89	10	1.6	0.00
10/05/2023 18:50	1.2	86	12	1.7	0.00
10/05/2023 19:00	1.4	122	13	2.0	0.00
10/05/2023 19:10	1.5	121	12	2.0	0.00
10/05/2023 19:20	1.4	126	12	2.0	0.00
10/05/2023 19:30	1.6	116	12	2.4	0.00
10/05/2023 19:40	1.5	113	13	2.0	0.00
10/05/2023 19:50	2.1	116	12	2.8	0.00
10/05/2023 20:00	1.6	123	16	2.4	0.00
10/05/2023 20:10	1.0	107	13	1.6	0.00
10/05/2023 20:20	1.2	88	18	1.6	0.00
10/05/2023 20:30	0.7	340	23	1.1	0.00
10/05/2023 20:40	0.1	330	1	0.6	0.00
10/05/2023 20:50					0.00
10/05/2023 21:00					0.00
10/05/2023 21:10	0.6	61	2	0.8	0.00
10/05/2023 21:20	0.3	109	8	1.0	0.00
10/05/2023 21:30	1.0	127	19	1.4	0.00
10/05/2023 21:40	0.7	153	17	1.2	0.00
10/05/2023 21:50	1.0	165	8	1.5	0.00
10/05/2023 22:00	1.2	167	10	1.6	0.00
10/05/2023 22:10	1.7	170	10	2.4	0.00
10/05/2023 22:20	2.4	184	14	3.1	0.00
10/05/2023 22:30	2.9	200	7	3.5	0.00
10/05/2023 22:40	2.9	197	6	3.4	0.00





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
10/05/2023 22:50	2.2	207	9	2.7	0.00
10/05/2023 23:00	1.2	160	53	2.0	0.00
10/05/2023 23:10	0.4	174	6	0.8	0.00
10/05/2023 23:20					0.00
10/05/2023 23:30	0.3	53	10	0.7	0.00
10/05/2023 23:40	0.5	336	15	1.1	0.00
10/05/2023 23:50	1.2	119	52	2.0	0.00
11/05/2023 00:00	1.7	166	14	2.4	0.00
11/05/2023 00:10	2.1	167	12	3.0	0.00
11/05/2023 00:20	2.9	184	11	3.8	0.00
11/05/2023 00:30	2.4	184	13	3.3	0.00
11/05/2023 00:40	2.1	178	13	2.9	0.00
11/05/2023 00:50	2.7	192	11	3.5	0.00
11/05/2023 01:00	2.6	189	10	3.3	0.00
11/05/2023 01:10	2.0	190	12	2.7	0.00
11/05/2023 01:20	1.4	194	26	2.5	0.00
11/05/2023 01:30	1.5	193	14	2.3	0.00
11/05/2023 01:40	0.8	221	38	1.6	0.00
11/05/2023 01:50	1.0	276	8	1.4	0.00
11/05/2023 02:00	0.8	188	39	1.2	0.00
11/05/2023 02:10	0.6	226	11	1.0	0.00
11/05/2023 02:20	0.6	166	5	1.6	0.00
11/05/2023 02:30	1.6	320	8	1.9	0.00
11/05/2023 02:40	1.3	275	15	1.7	0.00
11/05/2023 02:50	0.4	327	41	1.1	0.00
11/05/2023 03:00					0.00
11/05/2023 03:10	0.6	153	11	1.0	0.00
11/05/2023 03:20	0.8	226	48	1.8	0.00
11/05/2023 03:30	2.2	195	25	3.3	0.00
11/05/2023 03:40	3.0	201	10	4.1	0.00
11/05/2023 03:50	1.8	190	27	3.0	0.00
11/05/2023 04:00	0.7	315	35	1.6	0.00
11/05/2023 04:10	1.1	232	36	2.0	0.00
11/05/2023 04:20	1.9	156	21	3.1	0.00
11/05/2023 04:30	2.0	151	25	3.0	0.00
11/05/2023 04:40	2.5	150	25	4.4	0.00
11/05/2023 04:50	2.5	149	19	4.6	0.00
11/05/2023 05:00	2.2	145	22	3.4	0.00
11/05/2023 05:10	2.7	124	23	4.8	0.00
11/05/2023 05:20	2.5	142	23	4.3	0.00
11/05/2023 05:30	2.0	155	27	3.7	0.00
11/05/2023 05:40	1.8	113	26	3.2	0.00
11/05/2023 05:50	1.8	125	31	3.5	0.00
11/05/2023 06:00	2.6	128	32	3.9	0.00
11/05/2023 06:10	2.5	136	25	4.3	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/05/2023 06:20	1.6	134	33	3.1	0.00
11/05/2023 06:30	2.2	118	27	3.5	0.00
11/05/2023 06:40	2.4	124	30	4.1	0.00
11/05/2023 06:50	3.1	122	25	4.8	0.00
11/05/2023 07:00	3.0	122	19	4.7	0.00
11/05/2023 07:10	3.4	127	25	5.6	0.00
11/05/2023 07:20	2.6	121	33	4.2	0.00
11/05/2023 07:30	2.7	118	33	4.6	0.00
11/05/2023 07:40	2.7	131	27	5.0	0.00
11/05/2023 07:50	2.7	141	28	4.7	0.00
11/05/2023 08:00	3.0	147	30	5.3	0.00
11/05/2023 08:10	3.1	136	29	5.0	0.00
11/05/2023 08:20	3.4	123	22	6.1	0.00
11/05/2023 08:30	4.0	124	20	6.0	0.00
11/05/2023 08:40	3.6	119	20	5.7	0.00
11/05/2023 08:50	3.5	120	19	5.2	0.00
11/05/2023 09:00	3.6	123	18	5.0	0.00
11/05/2023 09:10	3.5	126	15	5.3	0.00
11/05/2023 09:20	3.5	118	17	5.6	0.00
11/05/2023 09:30	4.3	86	19	7.1	0.00
11/05/2023 09:40	5.2	92	16	7.6	0.00
11/05/2023 09:50	4.8	86	18	6.9	0.00
11/05/2023 10:00	5.1	86	16	7.0	0.00
11/05/2023 10:10	4.5	84	13	6.5	0.00
11/05/2023 10:20	4.7	79	15	7.2	0.00
11/05/2023 10:30	4.6	79	16	6.6	0.00
11/05/2023 10:40	4.6	80	15	6.0	0.00
11/05/2023 10:50	4.7	80	17	6.8	0.00
11/05/2023 11:00	4.4	82	16	5.9	0.00
11/05/2023 11:10	5.1	87	14	6.7	0.00
11/05/2023 11:20	4.9	86	13	6.8	0.00
11/05/2023 11:30	4.7	84	15	6.3	0.00
11/05/2023 11:40	4.7	82	12	6.4	0.00
11/05/2023 11:50	4.6	76	14	6.4	0.00
11/05/2023 12:00	4.6	76	13	6.1	0.00
11/05/2023 12:10	4.5	78	15	6.3	0.00
11/05/2023 12:20	4.7	74	14	6.7	0.00
11/05/2023 12:30	4.3	76	14	6.0	0.00
11/05/2023 12:40	4.2	74	14	5.7	0.00
11/05/2023 12:50	4.4	74	15	6.7	0.00
11/05/2023 13:00	4.2	73	14	5.9	0.00
11/05/2023 13:10	4.3	74	13	6.2	0.00
11/05/2023 13:20	4.5	73	13	6.1	0.00
11/05/2023 13:30	3.9	64	15	5.4	0.00
11/05/2023 13:40	4.1	58	12	5.6	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/05/2023 13:50	4.5	57	10	5.6	0.00
11/05/2023 14:00	3.8	47	12	5.2	0.00
11/05/2023 14:10	3.9	48	11	5.5	0.00
11/05/2023 14:20	3.5	51	11	4.8	0.00
11/05/2023 14:30	3.4	49	13	4.4	0.00
11/05/2023 14:40	3.2	43	14	4.7	0.00
11/05/2023 14:50	3.7	42	12	4.9	0.00
11/05/2023 15:00	3.1	45	14	4.2	0.00
11/05/2023 15:10	3.1	44	14	4.3	0.00
11/05/2023 15:20	2.9	46	15	4.0	0.00
11/05/2023 15:30	3.1	37	11	4.3	0.00
11/05/2023 15:40	2.8	43	14	4.0	0.00
11/05/2023 15:50	2.3	50	15	3.0	0.00
11/05/2023 16:00	2.3	47	13	3.0	0.00
11/05/2023 16:10	2.3	50	14	3.1	0.00
11/05/2023 16:20	2.1	46	12	2.9	0.00
11/05/2023 16:30	2.0	51	14	2.7	0.00
11/05/2023 16:40	1.6	53	15	2.1	0.00
11/05/2023 16:50	1.1	67	19	1.8	0.00
11/05/2023 17:00	1.3	60	17	2.0	0.00
11/05/2023 17:10	1.4	63	16	2.0	0.00
11/05/2023 17:20	1.2	76	19	1.8	0.00
11/05/2023 17:30	0.9	92	23	1.3	0.00
11/05/2023 17:40	1.1	87	15	1.6	0.00
11/05/2023 17:50	1.1	80	13	1.8	0.00
11/05/2023 18:00	0.7	89	17	1.4	0.00
11/05/2023 18:10	0.8	88	13	1.4	0.00
11/05/2023 18:20	0.9	93	10	1.2	0.00
11/05/2023 18:30	1.0	90	12	1.2	0.00
11/05/2023 18:40	1.0	87	12	1.4	0.00
11/05/2023 18:50	0.8	87	12	1.1	0.00
11/05/2023 19:00	0.4	77	12	0.9	0.00
11/05/2023 19:10	0.2	95	4	0.6	0.00
11/05/2023 19:20	0.4	97	7	0.8	0.00
11/05/2023 19:30	0.4	81	7	0.8	0.00
11/05/2023 19:40	0.7	70	13	1.1	0.00
11/05/2023 19:50	0.2	70	8	0.5	0.00
11/05/2023 20:00	0.5	58	17	0.9	0.00
11/05/2023 20:10	0.0	353	0	0.4	0.00
11/05/2023 20:20	0.5	309	13	0.8	0.00
11/05/2023 20:30					0.00
11/05/2023 20:40					0.00
11/05/2023 20:50					0.00
11/05/2023 21:00	0.5	328	5	0.9	0.00
11/05/2023 21:10	0.2	317	4	0.7	0.00



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
11/05/2023 21:20					0.00
11/05/2023 21:30					0.00
11/05/2023 21:40					0.00
11/05/2023 21:50					0.00
11/05/2023 22:00					0.00
11/05/2023 22:10					0.00
11/05/2023 22:20					0.00
11/05/2023 22:30	0.3	101	23	0.9	0.00
11/05/2023 22:40	0.2	109	20	0.9	0.00
11/05/2023 22:50	0.2	94	7	0.7	0.00
11/05/2023 23:00	0.3	87	12	0.8	0.00
11/05/2023 23:10	0.3	58	19	0.8	0.00
11/05/2023 23:20	0.6	84	20	1.3	0.00
11/05/2023 23:30	0.9	98	18	1.3	0.00
11/05/2023 23:40	0.8	25	22	1.3	0.00
11/05/2023 23:50	0.7	61	10	1.2	0.00
12/05/2023 00:00	0.9	76	15	1.3	0.00
12/05/2023 00:10	0.9	86	25	1.6	0.00
12/05/2023 00:20	1.4	117	26	2.1	0.00
12/05/2023 00:30	1.8	128	20	2.7	0.00
12/05/2023 00:40	1.7	137	20	2.4	0.00
12/05/2023 00:50	2.1	149	15	3.2	0.00
12/05/2023 01:00	1.3	137	23	2.0	0.00
12/05/2023 01:10	1.1	136	34	2.1	0.00
12/05/2023 01:20	1.3	138	32	2.8	0.00
12/05/2023 01:30	0.5	176	51	1.2	0.00
12/05/2023 01:40	1.9	143	62	3.6	0.00
12/05/2023 01:50	2.1	170	15	2.8	0.00
12/05/2023 02:00	2.3	174	16	3.5	0.00
12/05/2023 02:10	2.1	174	18	3.2	0.00
12/05/2023 02:20	2.2	184	16	3.4	0.00
12/05/2023 02:30	2.4	195	16	3.5	0.00
12/05/2023 02:40	3.4	198	10	4.2	0.00
12/05/2023 02:50	1.1	182	60	1.9	0.00
12/05/2023 03:00	1.8	187	40	3.0	0.00
12/05/2023 03:10	1.3	123	57	2.2	0.00
12/05/2023 03:20	1.1	161	66	2.3	0.00
12/05/2023 03:30	1.2	251	57	2.2	0.00
12/05/2023 03:40	1.3	261	44	2.0	0.00
12/05/2023 03:50	0.9	26	60	1.5	0.00
12/05/2023 04:00	0.7	134	53	1.4	0.00
12/05/2023 04:10	1.8	146	18	3.3	0.00
12/05/2023 04:20	2.5	153	18	3.6	0.00
12/05/2023 04:30	2.4	150	19	3.6	0.00
12/05/2023 04:40	2.4	153	21	3.6	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/05/2023 04:50	2.4	146	23	4.0	0.00
12/05/2023 05:00	2.6	152	21	4.3	0.00
12/05/2023 05:10	2.2	128	27	3.4	0.00
12/05/2023 05:20	2.4	123	28	4.4	0.00
12/05/2023 05:30	3.0	133	21	4.5	0.00
12/05/2023 05:40	3.5	129	22	5.6	0.00
12/05/2023 05:50	3.5	135	19	5.3	0.00
12/05/2023 06:00	2.9	135	26	4.8	0.00
12/05/2023 06:10	3.0	134	21	4.4	0.00
12/05/2023 06:20	3.2	131	23	5.3	0.00
12/05/2023 06:30	2.7	128	24	4.8	0.00
12/05/2023 06:40	2.9	131	27	4.8	0.00
12/05/2023 06:50	3.1	143	22	5.6	0.00
12/05/2023 07:00	3.3	143	21	6.0	0.00
12/05/2023 07:10	3.0	137	24	5.3	0.00
12/05/2023 07:20	3.4	127	23	5.2	0.00
12/05/2023 07:30	3.7	129	26	6.3	0.00
12/05/2023 07:40	3.7	127	18	5.4	0.00
12/05/2023 07:50	3.8	120	16	5.5	0.00
12/05/2023 08:00	3.7	121	14	5.5	0.00
12/05/2023 08:10	3.7	122	19	5.2	0.00
12/05/2023 08:20	3.5	125	20	4.9	0.00
12/05/2023 08:30	3.8	118	15	5.4	0.00
12/05/2023 08:40	3.0	117	19	4.8	0.00
12/05/2023 08:50	2.7	115	23	4.6	0.00
12/05/2023 09:00	2.2	105	21	3.5	0.00
12/05/2023 09:10	2.9	119	16	4.4	0.00
12/05/2023 09:20	2.9	109	19	4.3	0.00
12/05/2023 09:30	4.2	82	12	6.1	0.00
12/05/2023 09:40	4.5	85	15	6.4	0.00
12/05/2023 09:50	5.2	85	14	7.5	0.00
12/05/2023 10:00	4.9	87	15	7.3	0.00
12/05/2023 10:10	5.1	84	14	7.0	0.00
12/05/2023 10:20	4.8	83	15	6.9	0.00
12/05/2023 10:30	4.5	82	15	6.2	0.00
12/05/2023 10:40	4.4	82	13	6.2	0.00
12/05/2023 10:50	4.7	78	16	6.8	0.00
12/05/2023 11:00	4.4	78	15	6.8	0.00
12/05/2023 11:10	4.2	76	16	6.7	0.00
12/05/2023 11:20	4.9	76	15	6.4	0.00
12/05/2023 11:30	4.1	77	16	6.0	0.00
12/05/2023 11:40	4.7	71	14	6.7	0.00
12/05/2023 11:50	4.2	73	12	5.7	0.00
12/05/2023 12:00	4.3	74	16	6.4	0.00
12/05/2023 12:10	3.9	69	14	5.8	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/05/2023 12:20	3.8	76	14	5.2	0.00
12/05/2023 12:30	3.6	69	16	5.3	0.00
12/05/2023 12:40	3.3	66	15	4.4	0.00
12/05/2023 12:50	3.0	63	15	4.4	0.00
12/05/2023 13:00	3.8	53	11	5.0	0.00
12/05/2023 13:10	4.0	54	12	5.3	0.00
12/05/2023 13:20	3.9	54	11	5.2	0.00
12/05/2023 13:30	3.9	54	12	5.4	0.00
12/05/2023 13:40	4.0	56	12	5.0	0.00
12/05/2023 13:50	3.9	55	11	5.1	0.00
12/05/2023 14:00	3.4	51	14	4.8	0.00
12/05/2023 14:10	3.9	47	10	5.6	0.00
12/05/2023 14:20	3.9	49	11	5.1	0.00
12/05/2023 14:30	3.5	47	14	4.8	0.00
12/05/2023 14:40	3.1	45	15	4.3	0.00
12/05/2023 14:50					
12/05/2023 15:00	3.1	40	11	4.8	0.00
12/05/2023 15:10	3.7	38	14	5.4	0.00
12/05/2023 15:20	3.6	42	11	4.9	0.00
12/05/2023 15:30	3.5	42	11	4.9	0.00
12/05/2023 15:40	3.4	41	12	4.9	0.00
12/05/2023 15:50	3.4	42	13	4.6	0.00
12/05/2023 16:00	3.8	43	14	5.3	0.00
12/05/2023 16:10	3.7	44	14	5.2	0.00
12/05/2023 16:20	3.4	47	12	4.8	0.00
12/05/2023 16:30	3.1	46	14	4.6	0.00
12/05/2023 16:40	3.0	50	12	4.5	0.00
12/05/2023 16:50	3.0	44	15	4.5	0.00
12/05/2023 17:00	3.0	47	13	4.5	0.00
12/05/2023 17:10	2.5	51	14	3.9	0.00
12/05/2023 17:20	1.9	49	13	3.0	0.00
12/05/2023 17:30	1.8	57	18	2.8	0.00
12/05/2023 17:40	1.4	61	17	2.1	0.00
12/05/2023 17:50	1.0	68	17	1.9	0.00
12/05/2023 18:00	0.5	85	19	1.2	0.00
12/05/2023 18:10	0.3	87	10	0.9	0.00
12/05/2023 18:20	1.1	117	12	1.6	0.00
12/05/2023 18:30	1.3	100	11	1.6	0.00
12/05/2023 18:40	1.1	83	12	1.5	0.00
12/05/2023 18:50	0.5	83	10	1.2	0.00
12/05/2023 19:00	1.2	105	11	1.6	0.00
12/05/2023 19:10	1.3	88	8	1.7	0.00
12/05/2023 19:20	0.8	93	9	1.2	0.00
12/05/2023 19:30	1.2	104	8	1.6	0.00
12/05/2023 19:40	1.1	97	9	1.5	0.00



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
12/05/2023 19:50	1.1	95	8	1.3	0.00
12/05/2023 20:00	0.3	222	9	0.8	0.00
12/05/2023 20:10	0.5	332	1	0.8	0.00
12/05/2023 20:20					0.00
12/05/2023 20:30					0.00
12/05/2023 20:40					0.00
12/05/2023 20:50	0.8	337	2	1.1	0.00
12/05/2023 21:00	0.3	356	7	0.9	0.00
12/05/2023 21:10					0.00
12/05/2023 21:20					0.00
12/05/2023 21:30					0.00
12/05/2023 21:40					0.00
12/05/2023 21:50	0.4	6	0	0.9	0.00
12/05/2023 22:00	0.4	92	56	0.8	0.00
12/05/2023 22:10					0.00
12/05/2023 22:20	0.3	115	48	0.6	0.00
12/05/2023 22:30					0.00
12/05/2023 22:40	0.3	335	2	1.1	0.00
12/05/2023 22:50	0.7	336	3	1.2	0.00
12/05/2023 23:00					0.00
12/05/2023 23:10					0.00
12/05/2023 23:20					0.00
12/05/2023 23:30	0.2	327	5	0.9	0.00
12/05/2023 23:40	1.2	329	9	1.4	0.00
12/05/2023 23:50	1.4	335	5	1.6	0.00
13/05/2023 00:00	0.2	327	1	0.8	0.00
13/05/2023 00:10	0.1	326	1	0.6	0.00
13/05/2023 00:20	0.1	329	2	0.8	0.00
13/05/2023 00:30					0.00
13/05/2023 00:40	0.2	339	2	0.8	0.00
13/05/2023 00:50	1.8	186	14	5.2	0.00
13/05/2023 01:00	4.6	185	10	6.1	0.00
13/05/2023 01:10	3.8	188	11	5.3	0.00
13/05/2023 01:20	4.5	185	9	5.7	0.00
13/05/2023 01:30	5.2	185	10	6.7	0.00
13/05/2023 01:40	5.7	185	10	7.3	0.00
13/05/2023 01:50	5.5	185	10	6.8	0.00
13/05/2023 02:00	5.3	187	11	6.8	0.00
13/05/2023 02:10	5.1	186	12	6.7	0.00
13/05/2023 02:20	5.3	185	8	6.7	0.00
13/05/2023 02:30	5.3	188	11	6.6	0.00
13/05/2023 02:40	5.5	187	9	6.8	0.00
13/05/2023 02:50	4.5	185	10	5.6	0.00
13/05/2023 03:00	4.3	192	9	5.6	0.00
13/05/2023 03:10	4.2	191	9	5.2	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/05/2023 03:20	4.0	185	10	5.2	0.00
13/05/2023 03:30	4.6	184	9	6.0	0.00
13/05/2023 03:40	4.7	186	9	6.1	0.00
13/05/2023 03:50	2.9	178	12	4.7	0.00
13/05/2023 04:00	4.5	186	11	6.0	0.00
13/05/2023 04:10	5.0	185	9	6.4	0.00
13/05/2023 04:20	4.6	188	9	6.2	0.00
13/05/2023 04:30	5.0	190	9	6.5	0.00
13/05/2023 04:40	5.0	190	9	6.2	0.00
13/05/2023 04:50	5.4	195	9	6.9	0.00
13/05/2023 05:00	5.2	193	10	6.8	0.00
13/05/2023 05:10	4.6	194	12	6.1	0.00
13/05/2023 05:20	3.9	186	13	5.6	0.00
13/05/2023 05:30	3.9	187	12	5.5	0.00
13/05/2023 05:40	2.7	171	17	4.4	0.00
13/05/2023 05:50	2.7	166	20	4.4	0.00
13/05/2023 06:00	2.4	161	19	3.4	0.00
13/05/2023 06:10	2.5	147	23	4.4	0.00
13/05/2023 06:20	2.6	142	26	4.8	0.00
13/05/2023 06:30	2.3	151	22	4.5	0.00
13/05/2023 06:40	2.2	135	26	4.1	0.00
13/05/2023 06:50	2.9	132	24	5.0	0.00
13/05/2023 07:00	3.5	132	19	5.2	0.00
13/05/2023 07:10	3.1	129	20	4.8	0.00
13/05/2023 07:20	3.3	153	20	4.8	0.00
13/05/2023 07:30	3.6	177	14	4.8	0.00
13/05/2023 07:40	3.4	177	15	4.8	0.00
13/05/2023 07:50	4.0	187	12	5.6	0.00
13/05/2023 08:00	4.4	191	12	5.9	0.00
13/05/2023 08:10	4.2	190	12	5.6	0.00
13/05/2023 08:20	4.1	188	15	5.6	0.00
13/05/2023 08:30	4.0	186	15	5.5	0.00
13/05/2023 08:40	3.6	175	14	5.2	0.00
13/05/2023 08:50	3.4	177	17	5.1	0.00
13/05/2023 09:00	2.9	170	18	4.2	0.00
13/05/2023 09:10	2.8	162	18	4.3	0.00
13/05/2023 09:20	2.8	168	21	4.4	0.00
13/05/2023 09:30	3.0	159	22	5.2	0.00
13/05/2023 09:40	2.8	150	22	4.6	0.00
13/05/2023 09:50	2.8	129	23	5.1	0.00
13/05/2023 10:00	3.0	123	22	4.4	0.00
13/05/2023 10:10	3.1	124	19	4.7	0.00
13/05/2023 10:20	2.8	120	21	4.1	0.00
13/05/2023 10:30	3.0	91	17	4.4	0.00
13/05/2023 10:40	3.2	80	15	4.8	0.00





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/05/2023 10:50	3.3	74	15	5.1	0.00
13/05/2023 11:00	3.6	73	12	5.1	0.00
13/05/2023 11:10	3.2	76	15	4.4	0.00
13/05/2023 11:20	3.0	74	15	4.3	0.00
13/05/2023 11:30	2.9	64	14	4.2	0.00
13/05/2023 11:40	3.7	56	9	4.8	0.00
13/05/2023 11:50	3.7	62	9	4.4	0.00
13/05/2023 12:00	3.8	55	9	4.7	0.00
13/05/2023 12:10	4.1	59	10	5.3	0.00
13/05/2023 12:20	2.9	62	17	4.3	0.00
13/05/2023 12:30	3.0	52	15	4.3	0.00
13/05/2023 12:40	3.9	53	9	5.0	0.00
13/05/2023 12:50	3.3	59	14	4.5	0.00
13/05/2023 13:00	3.3	62	17	4.6	0.00
13/05/2023 13:10	3.1	63	17	4.2	0.00
13/05/2023 13:20	3.5	55	10	4.4	0.00
13/05/2023 13:30	3.2	55	13	3.9	0.00
13/05/2023 13:40	2.9	54	12	3.7	0.00
13/05/2023 13:50	2.7	61	20	3.7	0.00
13/05/2023 14:00	3.1	50	11	3.9	0.00
13/05/2023 14:10	3.0	57	11	3.6	0.00
13/05/2023 14:20	2.8	65	8	3.4	0.00
13/05/2023 14:30	2.6	64	12	3.3	0.00
13/05/2023 14:40	2.5	60	15	3.2	0.00
13/05/2023 14:50	2.7	45	13	3.5	0.00
13/05/2023 15:00	2.5	53	15	3.4	0.00
13/05/2023 15:10	2.4	61	14	3.3	0.00
13/05/2023 15:20	2.7	57	12	3.7	0.00
13/05/2023 15:30	2.6	65	12	3.6	0.00
13/05/2023 15:40	2.8	63	10	3.6	0.00
13/05/2023 15:50	3.1	61	10	4.0	0.00
13/05/2023 16:00	3.0	65	9	3.6	0.00
13/05/2023 16:10	2.8	62	10	3.5	0.00
13/05/2023 16:20	2.5	62	14	3.2	0.00
13/05/2023 16:30	2.4	68	13	3.4	0.00
13/05/2023 16:40	2.3	64	12	3.2	0.00
13/05/2023 16:50	2.1	65	12	2.8	0.00
13/05/2023 17:00	2.0	65	11	2.9	0.00
13/05/2023 17:10	1.7	63	13	2.4	0.00
13/05/2023 17:20	1.0	157	47	1.5	0.00
13/05/2023 17:30	1.0	245	42	1.6	0.00
13/05/2023 17:40	1.6	317	12	2.3	0.00
13/05/2023 17:50	1.7	317	12	2.5	0.00
13/05/2023 18:00	1.5	294	14	1.9	0.00
13/05/2023 18:10	1.6	293	18	2.3	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/05/2023 18:20	1.8	283	14	2.6	0.00
13/05/2023 18:30	1.6	286	19	2.4	0.00
13/05/2023 18:40	1.6	278	19	2.3	0.00
13/05/2023 18:50	1.3	286	14	2.0	0.00
13/05/2023 19:00	1.5	275	16	2.4	0.00
13/05/2023 19:10	1.7	278	15	2.3	0.00
13/05/2023 19:20	1.3	296	18	2.0	0.00
13/05/2023 19:30	1.2	296	19	1.6	0.00
13/05/2023 19:40	1.5	268	20	2.4	0.00
13/05/2023 19:50	1.5	267	15	2.3	0.00
13/05/2023 20:00	1.5	265	20	2.6	0.00
13/05/2023 20:10	1.5	249	28	2.3	0.00
13/05/2023 20:20	1.6	220	24	2.4	0.00
13/05/2023 20:30	1.5	217	26	2.5	0.00
13/05/2023 20:40	1.2	226	29	1.8	0.00
13/05/2023 20:50	1.3	203	26	1.9	0.00
13/05/2023 21:00	0.9	254	32	1.8	0.00
13/05/2023 21:10	0.4	165	43	1.0	0.00
13/05/2023 21:20	1.0	298	36	2.0	0.00
13/05/2023 21:30	1.1	300	24	1.6	0.00
13/05/2023 21:40	1.3	299	22	1.8	0.00
13/05/2023 21:50	1.4	313	15	1.8	0.00
13/05/2023 22:00	1.1	304	15	1.5	0.00
13/05/2023 22:10	0.8	262	36	1.4	0.00
13/05/2023 22:20	0.7	283	32	1.5	0.00
13/05/2023 22:30	1.1	319	12	1.3	0.00
13/05/2023 22:40	0.4	275	37	1.1	0.00
13/05/2023 22:50	0.5	285	26	1.3	0.00
13/05/2023 23:00	0.7	312	25	1.2	0.00
13/05/2023 23:10	0.7	311	24	1.4	0.00
13/05/2023 23:20	0.7	221	32	1.5	0.00
13/05/2023 23:30	0.7	249	36	1.6	0.00
13/05/2023 23:40	0.8	328	16	1.2	0.00
13/05/2023 23:50	0.5	321	15	1.0	0.00
14/05/2023 00:00	0.5	333	9	1.1	0.00
14/05/2023 00:10	0.4	326	18	0.8	0.00
14/05/2023 00:20	0.4	309	25	1.3	0.00
14/05/2023 00:30	0.6	332	9	1.2	0.00
14/05/2023 00:40	0.2	330	7	0.9	0.00
14/05/2023 00:50	0.4	200	6	1.4	0.00
14/05/2023 01:00	1.1	192	8	1.5	0.00
14/05/2023 01:10	0.2	190	12	0.9	0.00
14/05/2023 01:20	0.2	176	6	0.7	0.00
14/05/2023 01:30					0.00
14/05/2023 01:40	0.3	323	4	1.0	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/05/2023 01:50	0.4	337	12	1.0	0.00
14/05/2023 02:00	0.0	345	1	0.6	0.00
14/05/2023 02:10					0.00
14/05/2023 02:20					0.00
14/05/2023 02:30					0.00
14/05/2023 02:40					0.00
14/05/2023 02:50					0.00
14/05/2023 03:00					0.00
14/05/2023 03:10	0.2	356	7	1.1	0.00
14/05/2023 03:20	0.0	25	0	0.4	0.00
14/05/2023 03:30					0.00
14/05/2023 03:40	0.0	206	5	0.6	0.00
14/05/2023 03:50	2.0	205	16	3.3	0.00
14/05/2023 04:00	1.8	202	15	2.9	0.00
14/05/2023 04:10	1.7	207	22	2.8	0.00
14/05/2023 04:20	1.6	218	26	2.7	0.00
14/05/2023 04:30	2.7	200	18	4.0	0.00
14/05/2023 04:40	3.5	200	15	4.8	0.00
14/05/2023 04:50	3.9	194	15	5.2	0.00
14/05/2023 05:00	4.2	196	12	5.7	0.00
14/05/2023 05:10	4.2	201	10	5.5	0.00
14/05/2023 05:20	4.0	201	12	5.2	0.00
14/05/2023 05:30	3.7	201	12	5.1	0.00
14/05/2023 05:40	3.4	198	15	5.1	0.00
14/05/2023 05:50	2.7	195	15	4.0	0.00
14/05/2023 06:00	2.1	198	27	3.6	0.00
14/05/2023 06:10	1.2	178	44	2.4	0.00
14/05/2023 06:20	1.4	131	54	3.6	0.00
14/05/2023 06:30	1.5	157	30	3.2	0.00
14/05/2023 06:40	2.4	117	31	4.0	0.00
14/05/2023 06:50	1.9	104	26	3.1	0.00
14/05/2023 07:00	2.3	113	21	3.6	0.00
14/05/2023 07:10	2.2	120	24	4.3	0.00
14/05/2023 07:20	2.1	119	30	3.9	0.00
14/05/2023 07:30	2.6	111	21	4.5	0.00
14/05/2023 07:40	2.4	117	25	4.1	0.00
14/05/2023 07:50	3.0	122	20	4.6	0.00
14/05/2023 08:00	2.6	108	20	4.0	0.00
14/05/2023 08:10	2.5	88	16	3.6	0.00
14/05/2023 08:20	2.7	86	15	4.3	0.00
14/05/2023 08:30	2.3	94	16	3.5	0.00
14/05/2023 08:40	2.6	88	15	3.9	0.00
14/05/2023 08:50	2.9	81	16	3.9	0.00
14/05/2023 09:00	2.9	81	14	4.2	0.00
14/05/2023 09:10	3.6	75	14	4.8	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/05/2023 09:20	3.1	69	16	4.4	0.00
14/05/2023 09:30	3.1	79	16	4.6	0.00
14/05/2023 09:40	3.8	79	13	5.4	0.00
14/05/2023 09:50	3.9	81	14	5.2	0.00
14/05/2023 10:00	4.0	82	12	5.5	0.00
14/05/2023 10:10	3.5	82	12	4.7	0.00
14/05/2023 10:20	3.1	90	20	4.6	0.00
14/05/2023 10:30	3.3	82	18	5.0	0.00
14/05/2023 10:40	3.9	81	13	5.2	0.00
14/05/2023 10:50	3.1	83	15	4.7	0.00
14/05/2023 11:00	2.9	80	14	4.3	0.00
14/05/2023 11:10	3.0	83	15	4.1	0.00
14/05/2023 11:20	2.5	76	16	3.4	0.00
14/05/2023 11:30	2.5	59	19	3.3	0.00
14/05/2023 11:40	2.5	70	17	3.4	0.00
14/05/2023 11:50	2.6	72	17	3.6	0.00
14/05/2023 12:00	3.2	61	10	4.0	0.00
14/05/2023 12:10	2.7	62	12	3.4	0.00
14/05/2023 12:20	2.6	56	18	3.6	0.00
14/05/2023 12:30	2.6	50	15	3.7	0.00
14/05/2023 12:40	2.6	48	14	3.6	0.00
14/05/2023 12:50	2.6	46	14	3.7	0.00
14/05/2023 13:00	2.2	48	19	3.2	0.00
14/05/2023 13:10	2.4	50	15	3.3	0.00
14/05/2023 13:20	2.9	46	16	3.9	0.00
14/05/2023 13:30	3.3	48	12	4.4	0.00
14/05/2023 13:40	2.9	44	14	4.2	0.00
14/05/2023 13:50	3.3	45	14	4.4	0.00
14/05/2023 14:00	3.2	47	13	4.4	0.00
14/05/2023 14:10	3.4	43	13	4.8	0.00
14/05/2023 14:20	3.2	50	14	4.2	0.00
14/05/2023 14:30	3.1	49	12	4.1	0.00
14/05/2023 14:40	3.1	46	14	4.3	0.00
14/05/2023 14:50	2.5	39	16	3.5	0.00
14/05/2023 15:00	2.9	292	23	4.4	0.00
14/05/2023 15:10	2.9	265	17	4.2	0.00
14/05/2023 15:20	3.0	286	31	5.0	0.00
14/05/2023 15:30	3.2	285	25	5.0	0.00
14/05/2023 15:40	3.7	286	21	5.3	0.00
14/05/2023 15:50	2.9	276	25	5.2	0.00
14/05/2023 16:00	3.2	278	24	5.3	0.00
14/05/2023 16:10	3.2	272	21	5.1	0.00
14/05/2023 16:20	3.4	275	16	4.8	0.00
14/05/2023 16:30	3.5	271	20	5.5	0.00
14/05/2023 16:40	2.7	259	38	4.9	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/05/2023 16:50	3.0	274	25	4.9	0.00
14/05/2023 17:00	2.9	268	29	5.2	0.00
14/05/2023 17:10	3.2	276	23	4.8	0.00
14/05/2023 17:20	3.0	277	18	4.4	0.00
14/05/2023 17:30	2.8	267	26	4.5	0.00
14/05/2023 17:40	2.7	272	24	4.7	0.00
14/05/2023 17:50	2.2	269	33	3.6	0.00
14/05/2023 18:00	2.3	272	35	4.3	0.00
14/05/2023 18:10	2.3	273	23	3.4	0.00
14/05/2023 18:20	2.5	278	24	4.0	0.00
14/05/2023 18:30	2.0	273	35	3.9	0.00
14/05/2023 18:40	2.4	274	19	3.7	0.00
14/05/2023 18:50	1.6	290	26	2.7	0.00
14/05/2023 19:00	1.9	260	32	3.5	0.00
14/05/2023 19:10	1.9	265	28	3.2	0.00
14/05/2023 19:20	1.9	266	23	3.2	0.00
14/05/2023 19:30	1.9	279	21	3.1	0.00
14/05/2023 19:40	1.9	278	26	3.2	0.00
14/05/2023 19:50	1.5	273	52	3.2	0.00
14/05/2023 20:00	1.3	269	56	2.6	0.00
14/05/2023 20:10	1.5	281	42	2.8	0.00
14/05/2023 20:20	1.1	257	68	2.2	0.00
14/05/2023 20:30	1.2	225	45	2.4	0.00
14/05/2023 20:40	1.1	87	81	2.0	0.00
14/05/2023 20:50	1.0	290	72	2.2	0.00
14/05/2023 21:00	1.0	203	58	2.1	0.00
14/05/2023 21:10	1.1	223	54	2.0	0.00
14/05/2023 21:20	1.2	159	37	1.8	0.00
14/05/2023 21:30	1.6	202	31	2.8	0.00
14/05/2023 21:40	1.4	217	34	2.2	0.00
14/05/2023 21:50	1.0	204	28	1.6	0.00
14/05/2023 22:00	1.2	185	33	2.2	0.00
14/05/2023 22:10	0.8	185	47	1.7	0.00
14/05/2023 22:20	1.0	192	35	1.6	0.00
14/05/2023 22:30	1.1	187	30	1.9	0.00
14/05/2023 22:40	1.3	196	21	2.4	0.00
14/05/2023 22:50	0.9	186	30	1.7	0.00
14/05/2023 23:00	0.7	105	27	1.1	0.00
14/05/2023 23:10	0.2	329	32	0.8	0.00
14/05/2023 23:20	0.5	52	36	1.1	0.00
14/05/2023 23:30	0.5	336	16	0.8	0.00
14/05/2023 23:40	0.3	304	5	0.8	0.00
14/05/2023 23:50	0.5	297	8	0.8	0.00
15/05/2023 00:00	0.4	173	19	0.9	0.00
15/05/2023 00:10	1.6	160	31	2.7	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/05/2023 00:20	1.5	162	28	2.8	0.00
15/05/2023 00:30	2.6	124	18	4.5	0.00
15/05/2023 00:40	3.0	114	26	5.2	0.00
15/05/2023 00:50	2.8	122	23	4.1	0.00
15/05/2023 01:00	3.1	119	23	5.2	0.00
15/05/2023 01:10	2.6	98	20	4.5	0.00
15/05/2023 01:20	2.4	95	23	3.6	0.00
15/05/2023 01:30	2.8	100	27	5.2	0.00
15/05/2023 01:40	3.6	87	23	5.2	0.00
15/05/2023 01:50	4.7	87	20	7.9	0.00
15/05/2023 02:00	4.7	86	16	7.0	0.00
15/05/2023 02:10	4.0	91	20	5.9	0.00
15/05/2023 02:20	4.8	85	19	7.0	0.00
15/05/2023 02:30	6.2	86	14	9.5	0.00
15/05/2023 02:40	7.0	84	14	10.1	0.00
15/05/2023 02:50	6.8	84	13	9.5	0.00
15/05/2023 03:00	6.7	89	16	9.5	0.00
15/05/2023 03:10	6.6	86	16	9.8	0.00
15/05/2023 03:20	6.9	88	16	9.0	0.00
15/05/2023 03:30	5.8	88	15	8.7	0.00
15/05/2023 03:40	6.4	88	13	9.1	0.00
15/05/2023 03:50	6.0	89	15	8.4	0.00
15/05/2023 04:00	6.1	85	15	8.9	0.00
15/05/2023 04:10	5.5	87	15	8.7	0.00
15/05/2023 04:20	5.9	90	15	8.6	0.00
15/05/2023 04:30	5.5	87	15	8.1	0.00
15/05/2023 04:40	5.7	88	15	7.9	0.00
15/05/2023 04:50	5.6	86	17	8.7	0.00
15/05/2023 05:00	5.9	86	15	8.7	0.00
15/05/2023 05:10	6.0	89	17	8.1	0.00
15/05/2023 05:20	6.0	88	14	8.4	0.00
15/05/2023 05:30	5.7	88	15	8.2	0.00
15/05/2023 05:40	5.8	87	15	7.7	0.00
15/05/2023 05:50	5.7	86	14	8.1	0.00
15/05/2023 06:00	5.7	89	15	9.0	0.00
15/05/2023 06:10	5.9	90	14	9.0	0.00
15/05/2023 06:20	6.0	88	14	8.2	0.00
15/05/2023 06:30	6.0	88	14	8.5	0.00
15/05/2023 06:40	5.9	90	14	8.3	0.00
15/05/2023 06:50	6.4	87	12	8.7	0.00
15/05/2023 07:00	6.3	88	15	8.3	0.00
15/05/2023 07:10	6.3	88	15	8.3	0.00
15/05/2023 07:20	6.2	86	16	8.4	0.00
15/05/2023 07:30	6.3	88	16	9.5	0.00
15/05/2023 07:40	6.4	86	15	9.1	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/05/2023 07:50	6.3	86	16	8.8	0.00
15/05/2023 08:00	6.5	86	13	9.8	0.00
15/05/2023 08:10	6.2	85	16	9.1	0.00
15/05/2023 08:20	5.9	89	17	8.3	0.00
15/05/2023 08:30	5.9	88	17	8.7	0.00
15/05/2023 08:40	6.6	87	16	9.6	0.00
15/05/2023 08:50	5.9	85	17	8.9	0.00
15/05/2023 09:00	6.3	85	14	9.2	0.00
15/05/2023 09:10	6.3	88	14	9.4	0.00
15/05/2023 09:20	6.6	84	13	9.2	0.00
15/05/2023 09:30	6.3	86	15	8.9	0.00
15/05/2023 09:40	6.2	85	15	8.7	0.00
15/05/2023 09:50	5.8	84	16	8.0	0.00
15/05/2023 10:00	5.7	87	13	8.1	0.00
15/05/2023 10:10	5.5	86	14	8.1	0.00
15/05/2023 10:20	5.6	84	14	7.7	0.00
15/05/2023 10:30	5.0	84	13	7.0	0.00
15/05/2023 10:40	5.0	81	14	7.5	0.00
15/05/2023 10:50	5.1	78	14	7.1	0.00
15/05/2023 11:00	5.3	71	14	7.5	0.00
15/05/2023 11:10	5.2	75	12	7.3	0.00
15/05/2023 11:20	4.9	73	17	6.8	0.00
15/05/2023 11:30	4.9	73	16	7.2	0.00
15/05/2023 11:40	5.1	71	14	7.2	0.00
15/05/2023 11:50	4.5	61	14	6.9	0.00
15/05/2023 12:00	4.7	63	13	7.2	0.00
15/05/2023 12:10	4.7	60	15	6.9	0.00
15/05/2023 12:20	5.2	58	11	7.0	0.00
15/05/2023 12:30	5.3	59	12	7.5	0.00
15/05/2023 12:40	5.3	58	14	7.2	0.00
15/05/2023 12:50	5.3	58	10	6.8	0.00
15/05/2023 13:00	4.9	58	12	7.1	0.00
15/05/2023 13:10	5.2	56	12	7.0	0.00
15/05/2023 13:20	5.0	56	11	6.6	0.00
15/05/2023 13:30	4.8	55	12	6.5	0.00
15/05/2023 13:40	5.1	59	11	6.8	0.00
15/05/2023 13:50	4.5	57	15	6.0	0.00
15/05/2023 14:00	4.3	52	13	6.0	0.00
15/05/2023 14:10	4.3	55	15	5.8	0.00
15/05/2023 14:20	4.4	50	11	5.9	0.00
15/05/2023 14:30	4.0	49	14	5.6	0.00
15/05/2023 14:40	3.9	54	14	5.6	0.00
15/05/2023 14:50	3.7	51	14	5.5	0.00
15/05/2023 15:00	3.7	48	13	5.2	0.00
15/05/2023 15:10	3.6	51	13	4.8	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/05/2023 15:20	3.5	50	12	4.9	0.00
15/05/2023 15:30	3.6	49	15	4.8	0.00
15/05/2023 15:40	3.1	47	14	4.1	0.00
15/05/2023 15:50	3.0	45	14	4.1	0.00
15/05/2023 16:00	3.3	44	12	4.4	0.00
15/05/2023 16:10	2.8	42	14	4.3	0.00
15/05/2023 16:20	2.6	46	12	3.8	0.00
15/05/2023 16:30	2.6	46	12	3.6	0.00
15/05/2023 16:40	2.2	43	16	3.3	0.00
15/05/2023 16:50	2.2	49	13	2.9	0.00
15/05/2023 17:00	2.1	45	12	2.9	0.00
15/05/2023 17:10	2.1	42	13	2.8	0.00
15/05/2023 17:20	1.7	42	14	2.6	0.00
15/05/2023 17:30	1.3	51	16	2.3	0.00
15/05/2023 17:40	0.8	59	16	1.5	0.00
15/05/2023 17:50	0.4	48	15	1.2	0.00
15/05/2023 18:00	0.2	121	6	0.7	0.00
15/05/2023 18:10	0.5	221	26	0.9	0.00
15/05/2023 18:20	0.9	272	36	1.6	0.00
15/05/2023 18:30	1.1	160	40	1.9	0.00
15/05/2023 18:40	0.8	24	49	1.5	0.00
15/05/2023 18:50	1.0	313	16	1.6	0.00
15/05/2023 19:00	1.0	286	14	1.3	0.00
15/05/2023 19:10	1.1	275	13	1.4	0.00
15/05/2023 19:20	0.9	277	17	1.6	0.00
15/05/2023 19:30	0.9	289	19	1.4	0.00
15/05/2023 19:40	1.1	271	20	1.5	0.00
15/05/2023 19:50	1.0	268	15	1.5	0.00
15/05/2023 20:00	0.5	250	26	1.0	0.00
15/05/2023 20:10	1.1	274	14	1.6	0.00
15/05/2023 20:20	0.9	276	17	1.3	0.00
15/05/2023 20:30	1.4	258	11	2.0	0.00
15/05/2023 20:40	1.1	262	19	1.9	0.00
15/05/2023 20:50	1.8	215	9	2.3	0.00
15/05/2023 21:00	1.7	219	19	2.7	0.00
15/05/2023 21:10	1.9	214	13	2.5	0.00
15/05/2023 21:20	1.8	214	19	2.8	0.00
15/05/2023 21:30	1.3	200	20	2.0	0.00
15/05/2023 21:40	1.4	214	20	2.4	0.00
15/05/2023 21:50	1.8	205	13	2.8	0.00
15/05/2023 22:00	0.8	255	42	1.6	0.00
15/05/2023 22:10	1.0	276	43	1.7	0.00
15/05/2023 22:20	0.6	264	19	1.2	0.00
15/05/2023 22:30	1.0	136	21	2.0	0.00
15/05/2023 22:40	2.7	201	16	4.0	0.00





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/05/2023 22:50	3.3	196	9	5.0	0.00
15/05/2023 23:00	2.9	195	11	3.9	0.00
15/05/2023 23:10	2.1	201	21	3.2	0.00
15/05/2023 23:20	2.5	203	16	3.8	0.00
15/05/2023 23:30	3.1	197	9	4.0	0.00
15/05/2023 23:40	1.9	209	22	3.0	0.00
15/05/2023 23:50	2.7	196	17	4.1	0.00
16/05/2023 00:00	3.1	195	11	4.0	0.00
16/05/2023 00:10	3.1	198	11	3.9	0.00
16/05/2023 00:20	2.0	204	12	2.8	0.00
16/05/2023 00:30	2.4	193	11	3.2	0.00
16/05/2023 00:40	2.4	188	12	3.1	0.00
16/05/2023 00:50	2.2	199	10	2.8	0.00
16/05/2023 01:00	2.2	184	12	3.2	0.00
16/05/2023 01:10	2.3	186	14	3.6	0.00
16/05/2023 01:20	2.6	185	11	3.6	0.00
16/05/2023 01:30	2.8	191	11	3.9	0.00
16/05/2023 01:40	2.9	186	13	4.4	0.00
16/05/2023 01:50	1.8	185	31	3.2	0.00
16/05/2023 02:00	1.3	83	50	2.4	0.00
16/05/2023 02:10	1.4	236	62	3.1	0.00
16/05/2023 02:20	2.1	176	28	3.6	0.00
16/05/2023 02:30	2.9	168	15	4.2	0.00
16/05/2023 02:40	2.6	165	20	4.1	0.00
16/05/2023 02:50	2.4	152	21	3.5	0.00
16/05/2023 03:00	3.0	150	15	4.4	0.00
16/05/2023 03:10	3.5	152	14	4.4	0.00
16/05/2023 03:20	2.6	154	16	3.9	0.00
16/05/2023 03:30	2.3	156	15	3.4	0.00
16/05/2023 03:40	2.1	174	16	3.1	0.00
16/05/2023 03:50	2.3	183	16	3.5	0.00
16/05/2023 04:00	2.4	184	17	3.5	0.00
16/05/2023 04:10	2.6	189	13	3.7	0.00
16/05/2023 04:20	3.2	187	15	4.5	0.00
16/05/2023 04:30	2.3	182	19	3.3	0.00
16/05/2023 04:40	1.9	170	14	2.9	0.00
16/05/2023 04:50	1.9	145	23	3.1	0.00
16/05/2023 05:00	2.4	157	15	3.4	0.00
16/05/2023 05:10	2.6	148	20	4.0	0.00
16/05/2023 05:20	2.6	133	21	4.9	0.00
16/05/2023 05:30	2.8	139	24	4.4	0.00
16/05/2023 05:40	2.9	142	22	4.6	0.00
16/05/2023 05:50	3.0	146	21	4.8	0.00
16/05/2023 06:00	3.0	119	24	5.7	0.00
16/05/2023 06:10	2.9	123	23	5.1	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/05/2023 06:20	2.9	121	26	4.4	0.00
16/05/2023 06:30	2.7	123	27	4.7	0.00
16/05/2023 06:40	2.4	122	33	4.4	0.00
16/05/2023 06:50	2.2	112	28	3.6	0.00
16/05/2023 07:00	1.9	113	25	3.2	0.00
16/05/2023 07:10	1.9	103	22	3.6	0.00
16/05/2023 07:20	1.5	120	31	3.0	0.00
16/05/2023 07:30	1.2	129	36	2.7	0.00
16/05/2023 07:40	1.7	113	29	2.8	0.00
16/05/2023 07:50	1.6	98	36	3.0	0.00
16/05/2023 08:00	1.5	90	23	2.6	0.00
16/05/2023 08:10	2.2	103	12	3.1	0.00
16/05/2023 08:20	2.5	115	15	3.2	0.00
16/05/2023 08:30	2.8	110	14	4.1	0.00
16/05/2023 08:40	3.0	116	17	4.3	0.00
16/05/2023 08:50	2.9	134	21	4.1	0.00
16/05/2023 09:00	3.2	156	15	4.5	0.00
16/05/2023 09:10	3.2	151	18	4.4	0.00
16/05/2023 09:20	3.1	138	19	4.6	0.00
16/05/2023 09:30	2.7	133	20	4.2	0.00
16/05/2023 09:40	2.8	121	24	4.8	0.00
16/05/2023 09:50	2.7	120	22	4.3	0.00
16/05/2023 10:00	2.6	127	21	4.0	0.00
16/05/2023 10:10	2.3	119	26	4.1	0.00
16/05/2023 10:20	2.6	122	25	3.7	0.00
16/05/2023 10:30	2.5	128	25	3.5	0.00
16/05/2023 10:40	2.5	121	22	4.0	0.00
16/05/2023 10:50	2.5	119	18	3.6	0.00
16/05/2023 11:00	2.3	116	16	3.2	0.00
16/05/2023 11:10	2.3	100	17	3.2	0.00
16/05/2023 11:20	2.4	71	17	3.2	0.00
16/05/2023 11:30	2.3	49	13	3.1	0.00
16/05/2023 11:40	2.3	51	17	3.1	0.00
16/05/2023 11:50	2.3	56	18	3.2	0.00
16/05/2023 12:00	2.7	55	14	3.4	0.00
16/05/2023 12:10	3.0	51	13	4.1	0.00
16/05/2023 12:20	3.1	41	14	4.4	0.00
16/05/2023 12:30	3.0	52	15	4.0	0.00
16/05/2023 12:40	3.2	53	12	4.0	0.00
16/05/2023 12:50	3.3	45	16	4.2	0.00
16/05/2023 13:00	3.2	48	13	4.4	0.00
16/05/2023 13:10	3.4	53	12	4.4	0.00
16/05/2023 13:20	3.6	50	14	4.5	0.00
16/05/2023 13:30	3.3	53	13	4.4	0.00
16/05/2023 13:40	3.1	55	12	4.4	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/05/2023 13:50	3.5	49	14	4.6	0.00
16/05/2023 14:00	3.3	55	12	4.0	0.00
16/05/2023 14:10	3.0	54	13	3.6	0.00
16/05/2023 14:20	3.0	50	10	3.6	0.00
16/05/2023 14:30	3.4	53	10	4.1	0.00
16/05/2023 14:40	3.4	49	9	4.3	0.00
16/05/2023 14:50	3.3	51	10	4.3	0.00
16/05/2023 15:00	2.7	49	14	3.6	0.00
16/05/2023 15:10	2.8	47	13	3.9	0.00
16/05/2023 15:20	3.1	45	14	4.3	0.00
16/05/2023 15:30	3.0	40	14	4.1	0.00
16/05/2023 15:40	2.7	46	13	3.8	0.00
16/05/2023 15:50	2.6	46	13	3.3	0.00
16/05/2023 16:00	2.2	52	12	3.2	0.00
16/05/2023 16:10	2.3	41	12	2.9	0.00
16/05/2023 16:20	2.2	41	14	3.0	0.00
16/05/2023 16:30	2.2	44	15	3.2	0.00
16/05/2023 16:40	2.0	49	14	2.8	0.00
16/05/2023 16:50	1.3	60	17	2.1	0.00
16/05/2023 17:00	1.0	42	21	1.7	0.00
16/05/2023 17:10	1.5	36	16	2.4	0.00
16/05/2023 17:20	1.2	24	14	1.9	0.00
16/05/2023 17:30	1.1	12	14	1.6	0.00
16/05/2023 17:40	0.8	335	24	1.3	0.00
16/05/2023 17:50	1.7	315	12	2.2	0.00
16/05/2023 18:00	1.5	308	13	2.2	0.00
16/05/2023 18:10	1.2	308	18	2.0	0.00
16/05/2023 18:20	1.2	317	10	1.6	0.00
16/05/2023 18:30	1.0	325	8	1.3	0.00
16/05/2023 18:40	0.9	297	17	1.2	0.00
16/05/2023 18:50	1.1	288	15	1.7	0.00
16/05/2023 19:00	1.8	254	11	2.7	0.00
16/05/2023 19:10	1.5	234	25	2.4	0.00
16/05/2023 19:20	1.2	235	29	2.3	0.00
16/05/2023 19:30	1.4	224	26	2.4	0.00
16/05/2023 19:40	1.2	221	26	2.0	0.00
16/05/2023 19:50	1.2	222	28	1.9	0.00
16/05/2023 20:00	1.3	224	19	2.0	0.00
16/05/2023 20:10	1.6	202	12	2.1	0.00
16/05/2023 20:20	1.9	204	12	2.4	0.00
16/05/2023 20:30	2.0	210	12	2.5	0.00
16/05/2023 20:40	1.6	211	17	2.2	0.00
16/05/2023 20:50	2.1	209	12	2.8	0.00
16/05/2023 21:00	1.6	219	16	2.4	0.00
16/05/2023 21:10	1.7	213	16	2.3	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/05/2023 21:20	1.8	206	11	2.4	0.00
16/05/2023 21:30	2.1	211	12	2.7	0.00
16/05/2023 21:40	1.9	207	13	2.7	0.00
16/05/2023 21:50	1.9	211	14	2.8	0.00
16/05/2023 22:00	1.6	218	16	2.2	0.00
16/05/2023 22:10	1.4	216	15	1.7	0.00
16/05/2023 22:20	1.5	214	16	2.2	0.00
16/05/2023 22:30	1.9	217	21	2.5	0.00
16/05/2023 22:40	2.0	242	26	3.1	0.00
16/05/2023 22:50	1.8	249	22	3.3	0.00
16/05/2023 23:00	1.4	230	35	2.2	0.00
16/05/2023 23:10	2.3	218	26	3.7	0.00
16/05/2023 23:20	2.8	204	18	4.4	0.00
16/05/2023 23:30	3.6	205	16	5.2	0.00
16/05/2023 23:40	4.0	200	12	5.7	0.00
16/05/2023 23:50	4.5	202	11	5.6	0.00
17/05/2023 00:00	4.5	200	14	6.0	0.00
17/05/2023 00:10	4.5	196	12	7.2	0.00
17/05/2023 00:20	4.6	197	12	6.5	0.00
17/05/2023 00:30	4.8	199	9	6.8	0.00
17/05/2023 00:40	4.7	200	9	6.4	0.00
17/05/2023 00:50	3.7	194	13	5.8	0.00
17/05/2023 01:00	3.4	189	15	5.0	0.00
17/05/2023 01:10	3.2	190	14	4.4	0.00
17/05/2023 01:20	3.3	181	12	5.1	0.00
17/05/2023 01:30	3.5	177	13	4.6	0.00
17/05/2023 01:40	4.5	183	10	6.6	0.00
17/05/2023 01:50	4.7	182	13	6.7	0.00
17/05/2023 02:00	5.7	178	10	7.5	0.00
17/05/2023 02:10	5.3	178	10	6.8	0.00
17/05/2023 02:20	5.0	181	12	6.7	0.00
17/05/2023 02:30	4.8	180	11	6.4	0.00
17/05/2023 02:40	5.1	181	9	6.4	0.00
17/05/2023 02:50	5.3	179	10	6.8	0.00
17/05/2023 03:00	5.4	179	10	6.9	0.00
17/05/2023 03:10	5.6	180	12	7.7	0.00
17/05/2023 03:20	5.3	182	11	6.9	0.00
17/05/2023 03:30	5.4	183	11	6.8	0.00
17/05/2023 03:40	5.1	181	9	7.0	0.00
17/05/2023 03:50	5.5	179	11	7.1	0.00
17/05/2023 04:00	5.7	179	10	7.2	0.00
17/05/2023 04:10	5.5	180	10	7.2	0.00
17/05/2023 04:20	5.7	180	11	7.3	0.00
17/05/2023 04:30	5.9	179	9	7.6	0.00
17/05/2023 04:40	6.0	180	9	7.7	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/05/2023 04:50	6.2	181	9	7.7	0.00
17/05/2023 05:00	6.3	183	11	7.9	0.00
17/05/2023 05:10	6.0	183	9	7.7	0.00
17/05/2023 05:20	5.9	183	11	7.6	0.00
17/05/2023 05:30	5.6	189	11	7.1	0.00
17/05/2023 05:40	5.1	187	11	6.6	0.00
17/05/2023 05:50	4.9	187	12	6.8	0.00
17/05/2023 06:00	4.3	181	11	5.8	0.00
17/05/2023 06:10	4.5	188	10	6.0	0.00
17/05/2023 06:20	4.2	186	14	5.7	0.00
17/05/2023 06:30	4.3	188	11	5.6	0.00
17/05/2023 06:40	4.4	187	11	6.1	0.00
17/05/2023 06:50	4.6	189	12	6.1	0.00
17/05/2023 07:00	4.7	190	10	6.0	0.00
17/05/2023 07:10	4.8	191	11	6.3	0.00
17/05/2023 07:20	4.7	189	12	6.1	0.00
17/05/2023 07:30	4.7	192	11	6.4	0.00
17/05/2023 07:40	4.7	192	11	6.1	0.00
17/05/2023 07:50	4.1	193	12	5.6	0.00
17/05/2023 08:00	3.3	186	15	4.7	0.00
17/05/2023 08:10	3.0	177	18	4.4	0.00
17/05/2023 08:20	2.5	167	21	4.9	0.00
17/05/2023 08:30	2.2	140	20	3.3	0.00
17/05/2023 08:40	2.2	152	21	3.6	0.00
17/05/2023 08:50	2.2	153	25	3.9	0.00
17/05/2023 09:00	2.4	141	27	3.7	0.00
17/05/2023 09:10	2.1	148	33	3.9	0.00
17/05/2023 09:20	2.3	168	29	3.9	0.00
17/05/2023 09:30	2.1	150	30	3.9	0.00
17/05/2023 09:40	2.4	119	25	4.4	0.00
17/05/2023 09:50	2.2	116	29	3.8	0.00
17/05/2023 10:00	3.2	125	24	5.1	0.00
17/05/2023 10:10	2.6	118	21	4.0	0.00
17/05/2023 10:20	2.8	99	19	4.1	0.00
17/05/2023 10:30	3.0	80	20	4.0	0.00
17/05/2023 10:40	3.5	84	15	4.8	0.00
17/05/2023 10:50	3.8	88	14	5.5	0.00
17/05/2023 11:00	3.9	84	14	5.6	0.00
17/05/2023 11:10	3.8	80	16	5.5	0.00
17/05/2023 11:20	3.6	73	14	5.3	0.00
17/05/2023 11:30	3.4	79	14	5.0	0.00
17/05/2023 11:40	3.7	69	17	5.2	0.00
17/05/2023 11:50	4.6	55	11	6.0	0.00
17/05/2023 12:00	4.3	59	11	6.0	0.00
17/05/2023 12:10	4.8	58	11	6.4	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/05/2023 12:20	4.0	58	15	6.0	0.00
17/05/2023 12:30	3.5	72	14	5.2	0.00
17/05/2023 12:40	3.2	74	16	4.8	0.00
17/05/2023 12:50	3.6	58	12	5.2	0.00
17/05/2023 13:00	3.3	62	17	5.0	0.00
17/05/2023 13:10	3.3	66	16	4.7	0.00
17/05/2023 13:20	3.7	60	12	5.2	0.00
17/05/2023 13:30	3.2	65	15	4.9	0.00
17/05/2023 13:40	3.5	57	14	4.8	0.00
17/05/2023 13:50	3.8	54	12	4.8	0.00
17/05/2023 14:00	3.6	60	15	5.1	0.00
17/05/2023 14:10	4.4	60	10	5.5	0.00
17/05/2023 14:20	4.0	60	11	5.1	0.00
17/05/2023 14:30	4.0	59	11	5.2	0.00
17/05/2023 14:40	3.7	59	12	5.1	0.00
17/05/2023 14:50	3.5	57	11	4.8	0.00
17/05/2023 15:00	3.1	66	18	4.2	0.00
17/05/2023 15:10	3.3	73	16	4.5	0.00
17/05/2023 15:20	3.2	69	16	4.4	0.00
17/05/2023 15:30	2.9	59	11	4.2	0.00
17/05/2023 15:40	2.7	64	15	3.6	0.00
17/05/2023 15:50	2.5	69	16	3.6	0.00
17/05/2023 16:00	2.6	66	15	3.7	0.00
17/05/2023 16:10	2.2	68	14	2.9	0.00
17/05/2023 16:20	2.1	58	13	3.2	0.00
17/05/2023 16:30	2.1	68	16	2.8	0.00
17/05/2023 16:40	1.9	64	16	2.8	0.00
17/05/2023 16:50	1.9	63	15	2.7	0.00
17/05/2023 17:00	2.3	59	10	3.0	0.00
17/05/2023 17:10	2.0	58	13	2.7	0.00
17/05/2023 17:20	1.8	59	11	2.6	0.00
17/05/2023 17:30	1.1	53	13	1.6	0.00
17/05/2023 17:40	0.4	84	15	1.0	0.00
17/05/2023 17:50	0.9	118	15	1.4	0.00
17/05/2023 18:00	1.4	79	11	2.1	0.00
17/05/2023 18:10	1.0	87	13	1.5	0.00
17/05/2023 18:20	1.3	80	8	1.6	0.00
17/05/2023 18:30	0.7	92	12	1.2	0.00
17/05/2023 18:40	0.4	107	12	1.1	0.00
17/05/2023 18:50					0.00
17/05/2023 19:00	0.1	174	4	0.4	0.00
17/05/2023 19:10	0.8	179	5	1.2	0.00
17/05/2023 19:20	0.7	133	12	1.4	0.00
17/05/2023 19:30	0.8	108	14	1.2	0.00
17/05/2023 19:40	1.2	93	12	1.6	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/05/2023 19:50	1.2	84	10	1.6	0.00
17/05/2023 20:00	1.1	75	37	1.6	0.00
17/05/2023 20:10	1.1	319	13	1.7	0.00
17/05/2023 20:20	0.2	321	6	0.8	0.00
17/05/2023 20:30	0.2	299	3	0.7	0.00
17/05/2023 20:40	0.3	318	4	0.9	0.00
17/05/2023 20:50					0.00
17/05/2023 21:00	0.6	331	5	1.1	0.00
17/05/2023 21:10	0.4	320	5	1.1	0.00
17/05/2023 21:20	0.2	249	3	0.8	0.00
17/05/2023 21:30	1.3	144	18	2.4	0.00
17/05/2023 21:40	1.9	121	16	2.8	0.00
17/05/2023 21:50	2.2	125	19	3.4	0.00
17/05/2023 22:00	2.2	114	19	3.5	0.00
17/05/2023 22:10	1.0	66	33	1.7	0.00
17/05/2023 22:20	1.6	73	44	3.2	0.00
17/05/2023 22:30	1.0	184	39	1.6	0.00
17/05/2023 22:40	0.7	80	47	1.9	0.00
17/05/2023 22:50	0.6	103	30	1.5	0.00
17/05/2023 23:00	1.6	144	18	2.2	0.00
17/05/2023 23:10	1.7	118	22	2.8	0.00
17/05/2023 23:20	1.3	107	25	2.1	0.00
17/05/2023 23:30	1.2	103	26	2.0	0.00
17/05/2023 23:40	1.0	76	56	1.9	0.00
17/05/2023 23:50	1.7	119	17	2.8	0.00
18/05/2023 00:00	1.8	140	14	2.7	0.00
18/05/2023 00:10	1.9	148	17	2.6	0.00
18/05/2023 00:20	1.7	141	14	2.4	0.00
18/05/2023 00:30	1.9	143	18	2.8	0.00
18/05/2023 00:40	1.7	143	15	2.4	0.00
18/05/2023 00:50	1.6	131	18	2.4	0.00
18/05/2023 01:00	2.1	148	18	3.2	0.00
18/05/2023 01:10	2.4	142	19	3.5	0.00
18/05/2023 01:20	2.4	142	19	3.9	0.00
18/05/2023 01:30	2.5	151	15	4.0	0.00
18/05/2023 01:40	2.6	131	16	3.7	0.00
18/05/2023 01:50	2.3	139	22	4.4	0.00
18/05/2023 02:00	2.1	140	18	3.3	0.00
18/05/2023 02:10	2.2	131	22	3.9	0.00
18/05/2023 02:20	2.6	133	16	3.6	0.00
18/05/2023 02:30	2.5	152	15	3.5	0.00
18/05/2023 02:40	2.5	161	15	4.0	0.00
18/05/2023 02:50	2.1	147	15	3.2	0.00
18/05/2023 03:00	2.4	141	21	3.6	0.00
18/05/2023 03:10	2.4	129	20	4.2	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/05/2023 03:20	2.5	117	21	3.9	0.00
18/05/2023 03:30	2.4	116	24	4.0	0.00
18/05/2023 03:40	3.3	122	15	4.9	0.00
18/05/2023 03:50	2.2	115	16	3.5	0.00
18/05/2023 04:00	2.8	120	14	3.7	0.00
18/05/2023 04:10	2.4	117	14	3.3	0.00
18/05/2023 04:20	2.5	113	12	3.4	0.00
18/05/2023 04:30	2.4	114	11	3.3	0.00
18/05/2023 04:40	2.6	114	12	3.4	0.00
18/05/2023 04:50	2.4	123	15	3.4	0.00
18/05/2023 05:00	2.6	121	16	3.8	0.00
18/05/2023 05:10	3.0	129	17	4.7	0.00
18/05/2023 05:20	3.1	127	20	4.9	0.00
18/05/2023 05:30	3.4	124	17	4.9	0.00
18/05/2023 05:40	3.5	124	15	4.8	0.00
18/05/2023 05:50	3.5	120	18	5.2	0.00
18/05/2023 06:00	2.9	109	19	5.0	0.00
18/05/2023 06:10	3.3	114	19	4.8	0.00
18/05/2023 06:20	3.0	111	22	5.4	0.00
18/05/2023 06:30	2.8	108	20	4.8	0.00
18/05/2023 06:40	2.8	98	20	4.6	0.00
18/05/2023 06:50	3.1	112	21	4.6	0.00
18/05/2023 07:00	3.4	112	17	5.1	0.00
18/05/2023 07:10	3.2	113	17	5.0	0.00
18/05/2023 07:20	3.5	113	19	5.5	0.00
18/05/2023 07:30	3.4	112	19	5.6	0.00
18/05/2023 07:40	3.1	108	21	5.2	0.00
18/05/2023 07:50	3.6	103	20	5.6	0.00
18/05/2023 08:00	2.9	108	21	5.2	0.00
18/05/2023 08:10	2.9	104	23	5.2	0.00
18/05/2023 08:20	3.0	99	22	4.5	0.00
18/05/2023 08:30	3.1	98	25	5.5	0.00
18/05/2023 08:40	3.0	103	24	5.6	0.00
18/05/2023 08:50	3.3	99	22	5.3	0.00
18/05/2023 09:00	5.1	82	15	7.5	0.00
18/05/2023 09:10	4.9	83	15	7.1	0.00
18/05/2023 09:20	5.2	79	15	7.2	0.00
18/05/2023 09:30	5.0	82	15	7.2	0.00
18/05/2023 09:40	5.2	81	15	7.0	0.00
18/05/2023 09:50	5.1	78	15	7.6	0.00
18/05/2023 10:00	5.7	82	14	7.6	0.00
18/05/2023 10:10	5.2	84	13	7.3	0.00
18/05/2023 10:20	4.7	82	15	7.0	0.00
18/05/2023 10:30	5.4	83	16	7.8	0.00
18/05/2023 10:40	5.7	82	16	8.1	0.00





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/05/2023 10:50	5.3	73	15	7.7	0.00
18/05/2023 11:00	5.6	70	15	8.3	0.00
18/05/2023 11:10	4.8	63	14	7.6	0.00
18/05/2023 11:20	5.4	58	14	7.6	0.00
18/05/2023 11:30	4.5	67	15	6.3	0.00
18/05/2023 11:40	4.6	67	16	7.0	0.00
18/05/2023 11:50	4.1	64	14	6.0	0.00
18/05/2023 12:00	4.2	72	13	5.7	0.00
18/05/2023 12:10	4.2	63	14	6.0	0.00
18/05/2023 12:20	5.0	59	12	7.3	0.00
18/05/2023 12:30	5.7	59	12	8.1	0.00
18/05/2023 12:40	6.1	58	11	7.9	0.00
18/05/2023 12:50	5.4	58	14	7.3	0.00
18/05/2023 13:00	5.1	57	13	6.8	0.00
18/05/2023 13:10	5.4	57	15	7.7	0.00
18/05/2023 13:20	5.5	54	11	7.2	0.00
18/05/2023 13:30	5.5	59	11	7.9	0.00
18/05/2023 13:40	5.4	57	12	6.9	0.00
18/05/2023 13:50	5.8	58	11	7.8	0.00
18/05/2023 14:00	5.6	56	13	7.3	0.00
18/05/2023 14:10	5.4	57	12	7.1	0.00
18/05/2023 14:20	5.3	57	12	6.9	0.00
18/05/2023 14:30	5.3	58	12	6.9	0.00
18/05/2023 14:40	5.2	57	12	7.0	0.00
18/05/2023 14:50	4.4	61	14	6.8	0.00
18/05/2023 15:00	3.8	64	15	5.8	0.00
18/05/2023 15:10	3.9	62	14	6.1	0.00
18/05/2023 15:20	3.6	63	14	5.9	0.00
18/05/2023 15:30	4.6	60	12	6.7	0.00
18/05/2023 15:40	4.3	60	13	5.7	0.00
18/05/2023 15:50	4.7	58	11	6.1	0.00
18/05/2023 16:00	4.3	55	10	6.0	0.00
18/05/2023 16:10	4.3	56	13	5.8	0.00
18/05/2023 16:20	4.0	55	12	5.6	0.00
18/05/2023 16:30	3.5	44	11	4.8	0.00
18/05/2023 16:40	3.5	41	12	4.9	0.00
18/05/2023 16:50	3.3	39	13	4.7	0.00
18/05/2023 17:00	3.3	40	12	4.6	0.00
18/05/2023 17:10	3.2	40	13	4.5	0.00
18/05/2023 17:20	2.6	38	14	3.5	0.00
18/05/2023 17:30	2.7	41	13	4.0	0.00
18/05/2023 17:40	2.4	41	12	3.5	0.00
18/05/2023 17:50	1.9	47	13	2.6	0.00
18/05/2023 18:00	1.7	45	13	2.4	0.00
18/05/2023 18:10	2.0	45	15	2.9	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/05/2023 18:20	2.3	41	15	3.4	0.00
18/05/2023 18:30	1.7	48	14	2.5	0.00
18/05/2023 18:40	1.5	52	16	2.9	0.00
18/05/2023 18:50	1.3	61	15	2.1	0.00
18/05/2023 19:00	1.3	55	13	1.8	0.00
18/05/2023 19:10	1.2	55	13	1.7	0.00
18/05/2023 19:20	1.2	59	14	1.8	0.00
18/05/2023 19:30	1.1	63	12	1.5	0.00
18/05/2023 19:40	0.7	76	17	1.5	0.00
18/05/2023 19:50	1.1	78	16	1.7	0.00
18/05/2023 20:00	1.2	78	17	2.0	0.00
18/05/2023 20:10	1.5	86	15	2.5	0.00
18/05/2023 20:20	2.0	94	15	3.2	0.00
18/05/2023 20:30	1.7	105	16	2.4	0.00
18/05/2023 20:40	1.6	96	17	2.7	0.00
18/05/2023 20:50	1.6	107	18	2.7	0.00
18/05/2023 21:00	1.8	111	16	2.6	0.00
18/05/2023 21:10	2.0	112	14	3.2	0.00
18/05/2023 21:20	1.9	121	18	3.1	0.00
18/05/2023 21:30	2.0	143	21	2.8	0.00
18/05/2023 21:40	1.6	127	19	2.4	0.00
18/05/2023 21:50	2.0	148	18	3.2	0.00
18/05/2023 22:00	2.2	155	18	3.3	0.00
18/05/2023 22:10	2.4	153	18	3.6	0.00
18/05/2023 22:20	2.4	154	16	3.2	0.00
18/05/2023 22:30	2.2	154	17	3.4	0.00
18/05/2023 22:40	1.8	140	18	2.8	0.00
18/05/2023 22:50	1.6	146	19	2.5	0.00
18/05/2023 23:00	1.7	124	16	2.6	0.00
18/05/2023 23:10	2.0	121	13	2.8	0.00
18/05/2023 23:20	1.9	122	17	2.7	0.00
18/05/2023 23:30	2.2	128	17	3.2	0.00
18/05/2023 23:40	1.6	133	25	2.5	0.00
18/05/2023 23:50	0.8	62	32	1.4	0.00
19/05/2023 00:00	1.0	84	24	1.8	0.00
19/05/2023 00:10	1.1	101	25	1.9	0.00
19/05/2023 00:20	1.2	104	27	2.0	0.00
19/05/2023 00:30	1.5	107	14	2.0	0.00
19/05/2023 00:40	1.7	120	17	2.8	0.00
19/05/2023 00:50	1.6	135	21	2.6	0.00
19/05/2023 01:00	2.1	139	24	3.3	0.00
19/05/2023 01:10	2.5	148	22	4.0	0.00
19/05/2023 01:20	3.3	156	14	4.7	0.00
19/05/2023 01:30	3.4	151	16	4.9	0.00
19/05/2023 01:40	3.3	137	22	5.6	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/05/2023 01:50	2.6	154	25	4.2	0.00
19/05/2023 02:00	3.3	143	20	4.8	0.00
19/05/2023 02:10	2.9	147	20	4.8	0.00
19/05/2023 02:20	3.1	150	21	5.1	0.00
19/05/2023 02:30	3.0	137	28	6.0	0.00
19/05/2023 02:40	3.0	118	27	5.0	0.00
19/05/2023 02:50	2.7	120	26	4.5	0.00
19/05/2023 03:00	2.7	126	32	4.9	0.00
19/05/2023 03:10	2.1	136	38	3.9	0.00
19/05/2023 03:20	2.8	126	32	4.4	0.00
19/05/2023 03:30	3.3	118	26	5.9	0.00
19/05/2023 03:40	3.3	105	22	6.4	0.00
19/05/2023 03:50	2.8	113	26	6.2	0.00
19/05/2023 04:00	2.5	124	31	5.5	0.00
19/05/2023 04:10	3.5	114	27	6.0	0.00
19/05/2023 04:20	3.8	124	23	6.2	0.00
19/05/2023 04:30	3.6	115	26	7.1	0.00
19/05/2023 04:40	3.6	114	29	6.4	0.00
19/05/2023 04:50	3.7	115	21	6.5	0.00
19/05/2023 05:00	3.2	118	32	7.5	0.00
19/05/2023 05:10	3.3	105	31	6.1	0.00
19/05/2023 05:20	3.5	119	27	6.4	0.00
19/05/2023 05:30	3.4	118	28	6.8	0.00
19/05/2023 05:40	3.5	114	26	6.2	0.00
19/05/2023 05:50	3.5	118	26	5.9	0.00
19/05/2023 06:00	3.5	120	22	7.1	0.00
19/05/2023 06:10	3.4	120	27	5.9	0.00
19/05/2023 06:20	4.0	116	23	6.4	0.00
19/05/2023 06:30	3.9	115	23	6.1	0.00
19/05/2023 06:40	3.7	121	24	5.9	0.00
19/05/2023 06:50	3.7	119	21	6.7	0.00
19/05/2023 07:00	3.8	112	25	5.6	0.00
19/05/2023 07:10	3.6	111	22	6.0	0.00
19/05/2023 07:20	3.7	117	24	6.0	0.00
19/05/2023 07:30	3.8	117	21	6.8	0.00
19/05/2023 07:40	4.1	115	24	7.2	0.00
19/05/2023 07:50	4.2	119	19	7.3	0.00
19/05/2023 08:00	3.8	119	20	6.3	0.00
19/05/2023 08:10	4.0	119	23	6.0	0.00
19/05/2023 08:20	3.9	112	23	6.4	0.00
19/05/2023 08:30	4.2	115	21	7.1	0.00
19/05/2023 08:40	3.6	111	22	5.6	0.00
19/05/2023 08:50	3.4	113	23	6.1	0.00
19/05/2023 09:00	3.4	110	26	6.4	0.00
19/05/2023 09:10	3.8	104	25	6.4	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/05/2023 09:20	4.3	93	20	7.4	0.00
19/05/2023 09:30	5.0	90	17	7.2	0.00
19/05/2023 09:40	6.1	86	13	8.3	0.00
19/05/2023 09:50	6.2	84	15	8.4	0.00
19/05/2023 10:00	5.6	87	14	8.2	0.00
19/05/2023 10:10	6.2	85	14	8.7	0.00
19/05/2023 10:20	5.7	83	14	8.4	0.00
19/05/2023 10:30	5.5	84	14	7.7	0.00
19/05/2023 10:40	5.9	84	14	8.1	0.00
19/05/2023 10:50	5.7	82	13	7.5	0.00
19/05/2023 11:00	5.6	81	13	7.6	0.00
19/05/2023 11:10	5.4	81	13	8.1	0.00
19/05/2023 11:20	5.0	78	16	7.5	0.00
19/05/2023 11:30	4.9	77	17	7.5	0.00
19/05/2023 11:40	5.2	77	14	7.2	0.00
19/05/2023 11:50	4.8	73	15	6.8	0.00
19/05/2023 12:00	4.9	76	15	6.6	0.00
19/05/2023 12:10	4.4	74	15	6.3	0.00
19/05/2023 12:20	3.9	72	13	5.6	0.00
19/05/2023 12:30	3.9	65	17	6.0	0.00
19/05/2023 12:40	4.1	64	16	5.8	0.00
19/05/2023 12:50	4.6	57	12	5.9	0.00
19/05/2023 13:00	4.9	57	11	6.1	0.00
19/05/2023 13:10	4.2	55	13	5.9	0.00
19/05/2023 13:20	3.7	47	13	5.6	0.00
19/05/2023 13:30	3.2	51	16	4.7	0.00
19/05/2023 13:40	3.8	50	9	5.6	0.00
19/05/2023 13:50	3.7	47	12	5.1	0.00
19/05/2023 14:00	3.3	46	13	4.4	0.00
19/05/2023 14:10	3.4	46	12	4.5	0.00
19/05/2023 14:20	3.7	52	11	4.5	0.00
19/05/2023 14:30	3.3	48	11	4.3	0.00
19/05/2023 14:40	3.2	51	12	4.3	0.00
19/05/2023 14:50	2.5	46	16	3.7	0.00
19/05/2023 15:00	2.6	49	14	3.8	0.00
19/05/2023 15:10	2.7	47	14	3.9	0.00
19/05/2023 15:20	2.9	47	13	3.7	0.00
19/05/2023 15:30	3.1	48	13	4.4	0.00
19/05/2023 15:40	2.9	46	12	4.1	0.00
19/05/2023 15:50	3.6	43	11	5.0	0.00
19/05/2023 16:00	3.1	40	13	4.2	0.00
19/05/2023 16:10	3.1	40	14	4.4	0.00
19/05/2023 16:20	2.4	48	14	3.4	0.00
19/05/2023 16:30	2.3	48	14	3.3	0.00
19/05/2023 16:40	2.1	51	13	2.8	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/05/2023 16:50	1.8	44	13	2.7	0.00
19/05/2023 17:00	1.5	51	12	2.3	0.00
19/05/2023 17:10	1.5	55	14	2.2	0.00
19/05/2023 17:20	0.9	58	16	1.6	0.00
19/05/2023 17:30	0.5	66	14	1.5	0.00
19/05/2023 17:40	0.6	48	22	1.2	0.00
19/05/2023 17:50	0.6	103	25	1.0	0.00
19/05/2023 18:00	0.5	93	20	1.0	0.00
19/05/2023 18:10	0.7	107	23	1.2	0.00
19/05/2023 18:20	0.6	103	20	1.2	0.00
19/05/2023 18:30	0.9	97	20	1.6	0.00
19/05/2023 18:40	0.5	104	17	1.0	0.00
19/05/2023 18:50	0.6	87	22	1.3	0.00
19/05/2023 19:00	0.9	106	17	1.4	0.00
19/05/2023 19:10	0.4	105	12	0.9	0.00
19/05/2023 19:20	0.0	91	2	0.6	0.00
19/05/2023 19:30	0.1	69	5	0.8	0.00
19/05/2023 19:40	0.1	83	14	0.8	0.00
19/05/2023 19:50					0.00
19/05/2023 20:00					0.00
19/05/2023 20:10					0.00
19/05/2023 20:20	0.1	64	5	1.4	0.00
19/05/2023 20:30	0.2	100	5	0.8	0.00
19/05/2023 20:40					0.00
19/05/2023 20:50					0.00
19/05/2023 21:00	0.9	98	13	2.8	0.00
19/05/2023 21:10	1.3	92	21	2.5	0.00
19/05/2023 21:20	0.9	97	16	2.0	0.00
19/05/2023 21:30	1.6	106	18	2.8	0.00
19/05/2023 21:40	1.8	117	14	2.5	0.00
19/05/2023 21:50	1.8	122	17	2.8	0.00
19/05/2023 22:00	1.7	127	20	2.9	0.00
19/05/2023 22:10	1.7	120	16	2.5	0.00
19/05/2023 22:20	1.8	134	18	2.7	0.00
19/05/2023 22:30	2.4	143	15	3.6	0.00
19/05/2023 22:40	1.9	142	25	2.9	0.00
19/05/2023 22:50	2.3	160	21	3.2	0.00
19/05/2023 23:00	2.4	161	21	3.8	0.00
19/05/2023 23:10	2.4	152	23	3.9	0.00
19/05/2023 23:20	2.6	153	25	3.8	0.00
19/05/2023 23:30	3.1	178	16	5.0	0.00
19/05/2023 23:40	2.9	170	20	4.5	0.00
19/05/2023 23:50	1.9	152	16	2.9	0.00
20/05/2023 00:00	1.8	151	23	2.8	0.00
20/05/2023 00:10	2.0	142	33	3.6	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/05/2023 00:20	2.0	144	22	3.3	0.00
20/05/2023 00:30	2.1	142	27	3.5	0.00
20/05/2023 00:40	2.3	132	32	3.8	0.00
20/05/2023 00:50	1.9	147	40	3.5	0.00
20/05/2023 01:00	2.2	145	27	4.0	0.00
20/05/2023 01:10	1.8	123	31	2.8	0.00
20/05/2023 01:20	2.4	104	30	4.3	0.00
20/05/2023 01:30	2.9	107	26	5.5	0.00
20/05/2023 01:40	3.1	115	27	5.2	0.00
20/05/2023 01:50	3.6	122	24	6.0	0.00
20/05/2023 02:00	3.6	121	21	6.1	0.00
20/05/2023 02:10	3.0	122	24	4.8	0.00
20/05/2023 02:20	3.1	120	17	4.3	0.00
20/05/2023 02:30	2.8	97	23	4.8	0.00
20/05/2023 02:40	3.5	92	20	5.2	0.00
20/05/2023 02:50	3.3	87	16	5.6	0.00
20/05/2023 03:00	3.8	84	16	5.6	0.00
20/05/2023 03:10	3.6	99	19	5.6	0.00
20/05/2023 03:20	3.0	112	22	5.4	0.00
20/05/2023 03:30	3.4	113	24	6.2	0.00
20/05/2023 03:40	3.5	107	22	5.6	0.00
20/05/2023 03:50	3.5	112	25	5.4	0.00
20/05/2023 04:00	4.2	119	21	6.8	0.00
20/05/2023 04:10	4.2	118	22	8.0	0.00
20/05/2023 04:20	3.9	116	21	7.1	0.00
20/05/2023 04:30	4.5	117	20	8.3	0.00
20/05/2023 04:40	4.7	113	24	8.4	0.00
20/05/2023 04:50	4.2	114	26	7.9	0.00
20/05/2023 05:00	4.9	112	25	7.9	0.00
20/05/2023 05:10	5.0	112	25	7.5	0.00
20/05/2023 05:20	4.3	114	20	7.4	0.00
20/05/2023 05:30	4.4	118	26	7.2	0.00
20/05/2023 05:40	4.9	117	23	7.4	0.00
20/05/2023 05:50	4.4	113	25	7.1	0.00
20/05/2023 06:00	4.9	112	23	8.3	0.00
20/05/2023 06:10	5.1	110	20	9.1	0.00
20/05/2023 06:20	5.6	108	22	9.9	0.00
20/05/2023 06:30	4.7	113	20	8.4	0.00
20/05/2023 06:40	4.9	106	25	8.3	0.00
20/05/2023 06:50	5.3	99	25	10.3	0.00
20/05/2023 07:00	5.8	96	21	9.9	0.00
20/05/2023 07:10	5.5	96	23	8.9	0.00
20/05/2023 07:20	5.3	106	24	9.3	0.00
20/05/2023 07:30	6.0	100	20	10.2	0.00
20/05/2023 07:40	5.4	97	19	8.8	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/05/2023 07:50	5.4	98	22	9.6	0.00
20/05/2023 08:00	5.0	101	20	7.8	0.00
20/05/2023 08:10	5.4	98	22	9.6	0.00
20/05/2023 08:20	5.6	96	23	9.5	0.00
20/05/2023 08:30	5.6	102	21	9.8	0.00
20/05/2023 08:40	5.7	95	20	8.8	0.00
20/05/2023 08:50	5.9	98	20	9.2	0.00
20/05/2023 09:00	5.9	93	18	9.5	0.00
20/05/2023 09:10	6.4	89	19	9.5	0.00
20/05/2023 09:20	7.0	87	16	10.7	0.00
20/05/2023 09:30	7.3	88	16	10.2	0.00
20/05/2023 09:40	7.5	86	14	9.9	0.00
20/05/2023 09:50	7.6	83	16	10.8	0.00
20/05/2023 10:00	7.6	89	15	11.1	0.00
20/05/2023 10:10	7.6	87	14	10.4	0.00
20/05/2023 10:20	8.0	85	14	11.9	0.00
20/05/2023 10:30	7.7	86	15	10.7	0.00
20/05/2023 10:40	7.3	85	14	10.5	0.00
20/05/2023 10:50	7.6	88	17	11.1	0.00
20/05/2023 11:00	7.3	86	15	10.4	0.00
20/05/2023 11:10	7.0	84	13	9.9	0.00
20/05/2023 11:20	7.6	85	15	10.2	0.00
20/05/2023 11:30	7.4	82	14	10.5	0.00
20/05/2023 11:40	7.0	84	15	10.7	0.00
20/05/2023 11:50	6.7	83	13	9.4	0.00
20/05/2023 12:00	7.1	85	15	10.6	0.00
20/05/2023 12:10	6.5	86	16	9.4	0.00
20/05/2023 12:20	6.5	84	15	9.1	0.00
20/05/2023 12:30	6.0	77	15	8.7	0.00
20/05/2023 12:40	6.3	78	15	9.5	0.00
20/05/2023 12:50	6.4	74	15	8.9	0.00
20/05/2023 13:00	5.8	73	15	8.4	0.00
20/05/2023 13:10	5.6	69	14	8.2	0.00
20/05/2023 13:20	5.3	62	15	8.0	0.00
20/05/2023 13:30	5.6	61	13	7.8	0.00
20/05/2023 13:40	5.9	58	13	8.8	0.00
20/05/2023 13:50	5.9	59	12	8.0	0.00
20/05/2023 14:00	5.9	57	11	8.3	0.00
20/05/2023 14:10	6.2	58	11	8.3	0.00
20/05/2023 14:20	5.6	58	14	8.2	0.00
20/05/2023 14:30	5.6	58	14	7.8	0.00
20/05/2023 14:40	5.4	57	12	7.4	0.00
20/05/2023 14:50	5.5	57	13	7.2	0.00
20/05/2023 15:00	5.1	59	14	7.2	0.00
20/05/2023 15:10	5.4	55	11	7.4	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/05/2023 15:20	4.2	45	11	5.8	0.00
20/05/2023 15:30	4.5	48	11	6.3	0.00
20/05/2023 15:40	4.3	46	12	5.9	0.00
20/05/2023 15:50	4.2	47	14	6.1	0.00
20/05/2023 16:00	4.1	46	12	5.6	0.00
20/05/2023 16:10	4.0	47	13	5.6	0.00
20/05/2023 16:20	4.1	50	11	5.5	0.00
20/05/2023 16:30	4.3	48	12	5.8	0.00
20/05/2023 16:40	4.0	47	13	5.4	0.00
20/05/2023 16:50	3.6	46	13	4.8	0.00
20/05/2023 17:00	3.2	48	12	4.4	0.00
20/05/2023 17:10	3.3	47	13	4.4	0.00
20/05/2023 17:20	3.2	48	13	4.2	0.00
20/05/2023 17:30	3.0	51	12	4.2	0.00
20/05/2023 17:40	2.9	50	15	3.8	0.00
20/05/2023 17:50	3.0	56	13	4.0	0.00
20/05/2023 18:00	3.1	56	13	4.2	0.00
20/05/2023 18:10	2.8	57	14	4.0	0.00
20/05/2023 18:20	2.3	59	14	3.7	0.00
20/05/2023 18:30	1.8	68	17	2.8	0.00
20/05/2023 18:40	2.1	67	17	3.2	0.00
20/05/2023 18:50	2.1	72	15	3.0	0.00
20/05/2023 19:00	1.9	72	16	2.8	0.00
20/05/2023 19:10	2.4	76	14	3.3	0.00
20/05/2023 19:20	2.4	80	13	3.6	0.00
20/05/2023 19:30	2.6	85	17	3.9	0.00
20/05/2023 19:40	2.1	107	17	3.8	0.00
20/05/2023 19:50	2.2	117	13	3.1	0.00
20/05/2023 20:00	2.7	127	16	4.0	0.00
20/05/2023 20:10	2.3	123	16	3.6	0.00
20/05/2023 20:20	2.2	124	15	3.2	0.00
20/05/2023 20:30	2.3	126	18	3.5	0.00
20/05/2023 20:40	2.3	124	17	3.5	0.00
20/05/2023 20:50	2.2	125	18	3.2	0.00
20/05/2023 21:00	2.2	137	20	3.4	0.00
20/05/2023 21:10	2.3	131	18	3.3	0.00
20/05/2023 21:20	2.4	121	14	3.3	0.00
20/05/2023 21:30	2.4	117	15	3.2	0.00
20/05/2023 21:40	1.8	136	24	2.8	0.00
20/05/2023 21:50	1.6	114	21	2.6	0.00
20/05/2023 22:00	2.5	119	18	4.0	0.00
20/05/2023 22:10	2.3	112	19	3.6	0.00
20/05/2023 22:20	2.3	127	17	3.4	0.00
20/05/2023 22:30	2.6	121	19	3.8	0.00
20/05/2023 22:40	3.1	119	16	4.3	0.00





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/05/2023 22:50	3.5	130	22	5.1	0.00
20/05/2023 23:00	3.9	120	19	5.7	0.00
20/05/2023 23:10	3.4	122	19	5.6	0.00
20/05/2023 23:20	3.5	118	21	6.0	0.00
20/05/2023 23:30	3.0	105	25	6.4	0.00
20/05/2023 23:40	4.2	86	17	6.4	0.00
20/05/2023 23:50	5.1	84	15	7.5	0.00
21/05/2023 00:00	5.4	85	14	7.3	0.00
21/05/2023 00:10	5.0	87	15	7.0	0.00
21/05/2023 00:20	4.0	97	22	6.8	0.00
21/05/2023 00:30	4.5	92	19	7.8	0.00
21/05/2023 00:40	4.6	92	19	7.9	0.00
21/05/2023 00:50	4.5	90	17	6.8	0.00
21/05/2023 01:00	4.2	89	21	7.0	0.00
21/05/2023 01:10	5.1	84	14	7.9	0.00
21/05/2023 01:20	5.1	88	19	9.0	0.00
21/05/2023 01:30	4.8	91	18	7.9	0.00
21/05/2023 01:40	5.1	100	22	7.9	0.00
21/05/2023 01:50	4.9	103	21	8.4	0.00
21/05/2023 02:00	5.3	101	24	8.2	0.00
21/05/2023 02:10	4.9	105	24	8.5	0.00
21/05/2023 02:20	5.0	97	22	8.9	0.00
21/05/2023 02:30	5.1	109	21	8.0	0.00
21/05/2023 02:40	4.5	100	25	7.8	0.00
21/05/2023 02:50	5.0	98	23	8.3	0.00
21/05/2023 03:00	4.9	100	23	7.6	0.00
21/05/2023 03:10	5.1	102	23	9.5	0.00
21/05/2023 03:20	4.6	103	23	6.6	0.00
21/05/2023 03:30	5.2	109	20	8.7	0.00
21/05/2023 03:40	5.2	107	23	8.6	0.00
21/05/2023 03:50	5.2	106	24	9.4	0.00
21/05/2023 04:00	5.3	108	22	8.0	0.00
21/05/2023 04:10	5.1	112	23	8.7	0.00
21/05/2023 04:20	5.2	104	23	8.8	0.00
21/05/2023 04:30	4.5	103	22	7.5	0.00
21/05/2023 04:40	4.7	107	22	7.9	0.00
21/05/2023 04:50	5.1	110	24	8.9	0.00
21/05/2023 05:00	5.0	107	21	8.3	0.00
21/05/2023 05:10	4.8	104	24	8.7	0.00
21/05/2023 05:20	5.6	99	21	8.9	0.00
21/05/2023 05:30	5.5	99	24	9.3	0.00
21/05/2023 05:40	5.2	93	20	9.7	0.00
21/05/2023 05:50	5.6	92	19	9.1	0.00
21/05/2023 06:00	5.8	100	23	9.4	0.00
21/05/2023 06:10	5.1	103	23	7.9	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/05/2023 06:20	5.5	100	21	9.1	0.00
21/05/2023 06:30	5.8	111	22	10.6	0.00
21/05/2023 06:40	5.2	106	25	9.7	0.00
21/05/2023 06:50	6.0	104	18	9.1	0.00
21/05/2023 07:00	5.6	102	23	9.0	0.00
21/05/2023 07:10	5.9	95	23	9.8	0.00
21/05/2023 07:20	6.5	95	22	10.8	0.00
21/05/2023 07:30	5.8	98	20	10.7	0.00
21/05/2023 07:40	5.7	101	23	9.0	0.00
21/05/2023 07:50	5.9	100	26	11.7	0.00
21/05/2023 08:00	6.3	94	20	10.7	0.00
21/05/2023 08:10	6.2	95	20	10.3	0.00
21/05/2023 08:20	7.2	89	17	11.5	0.00
21/05/2023 08:30	7.0	90	18	10.3	0.00
21/05/2023 08:40	8.4	85	13	12.0	0.00
21/05/2023 08:50	8.0	85	15	11.5	0.00
21/05/2023 09:00	8.4	87	14	11.5	0.00
21/05/2023 09:10	8.8	89	15	12.2	0.00
21/05/2023 09:20	9.3	84	14	13.4	0.00
21/05/2023 09:30	8.8	90	16	12.7	0.00
21/05/2023 09:40	8.9	90	16	12.7	0.00
21/05/2023 09:50	8.8	87	14	12.7	0.00
21/05/2023 10:00	9.6	85	14	13.9	0.00
21/05/2023 10:10	8.8	87	16	12.3	0.00
21/05/2023 10:20	9.0	88	15	12.8	0.00
21/05/2023 10:30	9.2	89	13	12.8	0.00
21/05/2023 10:40	8.8	85	15	12.3	0.00
21/05/2023 10:50	8.6	80	16	12.7	0.00
21/05/2023 11:00	8.3	77	14	11.6	0.00
21/05/2023 11:10	8.2	81	14	10.9	0.00
21/05/2023 11:20	8.3	72	13	11.6	0.00
21/05/2023 11:30	8.4	80	16	11.7	0.00
21/05/2023 11:40	7.8	76	14	11.3	0.00
21/05/2023 11:50	7.8	85	17	10.5	0.00
21/05/2023 12:00	7.7	76	14	10.9	0.00
21/05/2023 12:10	7.4	76	13	10.3	0.00
21/05/2023 12:20	7.2	79	14	9.9	0.00
21/05/2023 12:30	7.2	81	16	10.2	0.00
21/05/2023 12:40	6.8	79	15	9.9	0.00
21/05/2023 12:50	6.6	80	15	9.4	0.00
21/05/2023 13:00	6.6	78	16	9.3	0.00
21/05/2023 13:10	6.8	75	17	9.4	0.00
21/05/2023 13:20	6.7	74	15	10.0	0.00
21/05/2023 13:30	6.4	73	13	8.6	0.00
21/05/2023 13:40	6.0	70	15	8.7	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/05/2023 13:50	5.5	68	15	7.9	0.00
21/05/2023 14:00	5.6	69	15	8.2	0.00
21/05/2023 14:10	5.6	57	11	8.2	0.00
21/05/2023 14:20	6.1	56	13	7.9	0.00
21/05/2023 14:30	5.6	58	12	7.1	0.00
21/05/2023 14:40	5.9	57	10	7.5	0.00
21/05/2023 14:50	5.6	58	11	7.6	0.00
21/05/2023 15:00	5.6	58	11	7.2	0.00
21/05/2023 15:10	5.4	57	12	6.8	0.00
21/05/2023 15:20	4.7	58	11	6.8	0.00
21/05/2023 15:30	4.8	58	11	6.4	0.00
21/05/2023 15:40	4.2	51	15	6.0	0.00
21/05/2023 15:50	4.1	49	11	5.7	0.00
21/05/2023 16:00	4.3	49	13	7.0	0.00
21/05/2023 16:10	4.3	48	12	6.0	0.00
21/05/2023 16:20	4.2	51	13	6.0	0.00
21/05/2023 16:30	4.0	51	13	5.8	0.00
21/05/2023 16:40	3.7	49	12	5.2	0.00
21/05/2023 16:50	3.8	49	14	5.3	0.00
21/05/2023 17:00	4.1	48	12	5.7	0.00
21/05/2023 17:10	3.4	49	13	5.0	0.00
21/05/2023 17:20	3.4	47	13	4.6	0.00
21/05/2023 17:30	3.0	48	15	4.3	0.00
21/05/2023 17:40	2.7	50	12	4.0	0.00
21/05/2023 17:50	2.7	52	13	3.6	0.00
21/05/2023 18:00	2.4	47	14	3.2	0.00
21/05/2023 18:10	2.3	56	15	3.4	0.00
21/05/2023 18:20	2.1	57	16	3.2	0.00
21/05/2023 18:30	1.8	63	16	2.9	0.00
21/05/2023 18:40	1.8	73	18	2.8	0.00
21/05/2023 18:50	1.0	80	18	2.0	0.00
21/05/2023 19:00	1.3	77	17	1.9	0.00
21/05/2023 19:10	1.5	81	14	2.3	0.00
21/05/2023 19:20	1.6	78	15	2.4	0.00
21/05/2023 19:30	0.8	216	31	1.7	0.00
21/05/2023 19:40	1.2	79	16	1.9	0.00
21/05/2023 19:50	0.9	218	26	1.5	0.00
21/05/2023 20:00	0.3	39	11	0.9	0.00
21/05/2023 20:10	0.1	82	14	0.8	0.00
21/05/2023 20:20	0.7	105	20	1.4	0.00
21/05/2023 20:30	1.5	117	14	2.2	0.00
21/05/2023 20:40	1.7	128	19	2.5	0.00
21/05/2023 20:50	1.7	139	20	2.8	0.00
21/05/2023 21:00	2.0	135	19	3.1	0.00
21/05/2023 21:10	1.8	148	19	2.5	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/05/2023 21:20	1.9	143	19	3.0	0.00
21/05/2023 21:30	1.9	147	18	2.8	0.00
21/05/2023 21:40	2.2	157	17	3.3	0.00
21/05/2023 21:50	2.4	159	14	3.3	0.00
21/05/2023 22:00	3.1	172	11	4.4	0.00
21/05/2023 22:10	2.9	167	15	4.1	0.00
21/05/2023 22:20	2.6	165	14	3.6	0.00
21/05/2023 22:30	2.5	154	14	4.0	0.00
21/05/2023 22:40	2.4	152	18	3.6	0.00
21/05/2023 22:50	2.0	128	24	4.1	0.00
21/05/2023 23:00	2.2	137	24	3.7	0.00
21/05/2023 23:10	2.4	142	25	3.8	0.00
21/05/2023 23:20	2.3	138	27	4.0	0.00
21/05/2023 23:30	2.0	156	20	3.9	0.00
21/05/2023 23:40	1.9	142	22	3.3	0.00
21/05/2023 23:50	1.9	151	22	3.8	0.00
22/05/2023 00:00	2.8	172	21	4.4	0.00
22/05/2023 00:10	3.7	181	16	5.6	0.00
22/05/2023 00:20	3.1	165	19	4.4	0.00
22/05/2023 00:30	2.4	155	22	4.0	0.00
22/05/2023 00:40	2.9	148	24	4.6	0.00
22/05/2023 00:50	2.3	132	26	4.0	0.00
22/05/2023 01:00	3.3	123	24	5.1	0.00
22/05/2023 01:10	3.4	124	24	5.0	0.00
22/05/2023 01:20	3.7	122	21	5.3	0.00
22/05/2023 01:30	4.0	121	19	6.0	0.00
22/05/2023 01:40	3.5	116	18	5.7	0.00
22/05/2023 01:50	3.3	115	18	5.3	0.00
22/05/2023 02:00	3.7	118	18	5.5	0.00
22/05/2023 02:10	3.9	119	18	5.4	0.00
22/05/2023 02:20	4.0	121	21	6.0	0.00
22/05/2023 02:30	3.6	112	23	5.7	0.00
22/05/2023 02:40	3.4	114	25	5.9	0.00
22/05/2023 02:50	4.1	110	19	6.7	0.00
22/05/2023 03:00	4.0	114	19	6.6	0.00
22/05/2023 03:10	3.9	117	23	5.8	0.00
22/05/2023 03:20	4.4	115	21	7.4	0.00
22/05/2023 03:30	3.6	111	21	6.3	0.00
22/05/2023 03:40	4.2	114	21	6.4	0.00
22/05/2023 03:50	4.0	122	24	7.0	0.00
22/05/2023 04:00	3.8	111	21	6.2	0.00
22/05/2023 04:10	3.8	108	25	6.7	0.00
22/05/2023 04:20	4.5	113	21	7.6	0.00
22/05/2023 04:30	4.6	110	19	7.8	0.00
22/05/2023 04:40	5.2	113	22	8.8	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/05/2023 04:50	5.0	110	20	7.9	0.00
22/05/2023 05:00	4.1	106	23	6.7	0.00
22/05/2023 05:10	4.0	107	24	6.8	0.00
22/05/2023 05:20	4.4	110	25	7.1	0.00
22/05/2023 05:30	4.6	113	25	8.8	0.00
22/05/2023 05:40	4.7	112	21	7.4	0.00
22/05/2023 05:50	4.8	110	22	8.1	0.00
22/05/2023 06:00	4.5	115	23	7.6	0.00
22/05/2023 06:10	4.8	113	25	8.6	0.00
22/05/2023 06:20	4.4	112	23	6.9	0.00
22/05/2023 06:30	4.3	110	25	7.8	0.00
22/05/2023 06:40	4.6	110	23	7.2	0.00
22/05/2023 06:50	4.9	113	24	8.6	0.00
22/05/2023 07:00	4.8	107	23	8.1	0.00
22/05/2023 07:10	4.2	106	24	7.6	0.00
22/05/2023 07:20	4.4	109	21	7.2	0.00
22/05/2023 07:30	4.5	99	24	8.4	0.00
22/05/2023 07:40	4.0	109	24	6.1	0.00
22/05/2023 07:50	4.9	111	23	7.7	0.00
22/05/2023 08:00	4.7	99	27	7.4	0.00
22/05/2023 08:10	4.7	96	20	8.0	0.00
22/05/2023 08:20	5.2	98	21	8.3	0.00
22/05/2023 08:30	4.7	100	21	7.8	0.00
22/05/2023 08:40	4.8	96	22	8.4	0.00
22/05/2023 08:50	5.4	90	18	7.7	0.00
22/05/2023 09:00	6.3	89	15	9.8	0.00
22/05/2023 09:10	7.1	87	16	9.8	0.00
22/05/2023 09:20	6.9	84	14	9.5	0.00
22/05/2023 09:30	6.3	88	16	9.1	0.00
22/05/2023 09:40	6.7	88	16	9.9	0.00
22/05/2023 09:50	6.9	89	13	9.6	0.00
22/05/2023 10:00	6.8	87	16	9.8	0.00
22/05/2023 10:10	6.7	86	16	9.1	0.00
22/05/2023 10:20	6.4	87	17	9.1	0.00
22/05/2023 10:30	6.0	86	14	8.4	0.00
22/05/2023 10:40	6.0	86	16	8.3	0.00
22/05/2023 10:50	6.3	85	14	8.2	0.00
22/05/2023 11:00	5.7	80	13	8.4	0.00
22/05/2023 11:10	6.1	84	14	8.7	0.00
22/05/2023 11:20	6.1	82	15	8.3	0.00
22/05/2023 11:30	6.4	83	14	8.4	0.00
22/05/2023 11:40	5.8	83	15	8.1	0.00
22/05/2023 11:50	5.9	80	13	8.2	0.00
22/05/2023 12:00	5.7	77	16	8.7	0.00
22/05/2023 12:10	6.0	75	13	9.0	0.00



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/05/2023 12:20	6.0	77	17	8.3	0.00
22/05/2023 12:30	5.5	82	17	8.0	0.00
22/05/2023 12:40	5.3	80	16	7.5	0.00
22/05/2023 12:50	5.3	79	14	7.9	0.00
22/05/2023 13:00	5.5	81	14	8.7	0.00
22/05/2023 13:10	5.4	74	15	7.9	0.00
22/05/2023 13:20	5.2	75	13	7.6	0.00
22/05/2023 13:30	4.7	67	14	6.7	0.00
22/05/2023 13:40	4.4	63	15	6.2	0.00
22/05/2023 13:50	5.1	61	12	6.6	0.00
22/05/2023 14:00	5.2	58	12	7.1	0.00
22/05/2023 14:10	5.0	58	11	6.8	0.00
22/05/2023 14:20	5.0	58	13	6.7	0.00
22/05/2023 14:30	4.4	53	13	6.0	0.00
22/05/2023 14:40	4.6	57	13	6.7	0.00
22/05/2023 14:50	4.3	48	11	6.3	0.00
22/05/2023 15:00	3.9	49	13	5.2	0.00
22/05/2023 15:10	4.0	47	12	5.5	0.00
22/05/2023 15:20	4.2	48	11	5.4	0.00
22/05/2023 15:30	4.1	48	11	5.6	0.00
22/05/2023 15:40	3.8	46	12	5.3	0.00
22/05/2023 15:50	3.6	43	13	5.0	0.00
22/05/2023 16:00	3.6	48	12	5.1	0.00
22/05/2023 16:10	3.0	46	14	4.2	0.00
22/05/2023 16:20	3.0	42	14	4.4	0.00
22/05/2023 16:30	2.7	42	12	3.7	0.00
22/05/2023 16:40	2.5	32	12	3.5	0.00
22/05/2023 16:50	2.3	33	13	3.4	0.00
22/05/2023 17:00	2.0	34	14	2.8	0.00
22/05/2023 17:10	1.6	36	12	2.3	0.00
22/05/2023 17:20	0.7	34	16	1.1	0.00
22/05/2023 17:30	0.1	50	5	0.6	0.00
22/05/2023 17:40	0.1	132	7	0.5	0.00
22/05/2023 17:50	0.1	205	13	0.6	0.00
22/05/2023 18:00	0.3	181	20	0.8	0.00
22/05/2023 18:10	0.1	113	8	0.6	0.00
22/05/2023 18:20	0.1	55	12	0.8	0.00
22/05/2023 18:30	0.7	49	6	0.8	0.00
22/05/2023 18:40	0.1	45	1	0.6	0.00
22/05/2023 18:50	0.2	65	27	1.1	0.00
22/05/2023 19:00	0.2	84	7	0.8	0.00
22/05/2023 19:10	0.2	65	6	0.8	0.00
22/05/2023 19:20	0.2	57	10	0.7	0.00
22/05/2023 19:30	0.3	46	14	0.9	0.00
22/05/2023 19:40	0.1	45	6	0.8	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/05/2023 19:50	0.8	81	26	1.7	0.00
22/05/2023 20:00	1.2	98	22	1.9	0.00
22/05/2023 20:10	1.6	92	16	2.4	0.00
22/05/2023 20:20	1.6	87	17	2.6	0.00
22/05/2023 20:30	1.4	102	22	2.7	0.00
22/05/2023 20:40	1.1	98	15	1.9	0.00
22/05/2023 20:50	0.9	224	27	1.3	0.00
22/05/2023 21:00	0.7	326	16	1.0	0.00
22/05/2023 21:10	0.5	343	8	0.9	0.00
22/05/2023 21:20	0.1	113	26	0.8	0.00
22/05/2023 21:30	1.3	137	20	2.2	0.00
22/05/2023 21:40	1.7	137	21	2.6	0.00
22/05/2023 21:50	1.7	148	19	2.6	0.00
22/05/2023 22:00	1.3	127	20	2.0	0.00
22/05/2023 22:10	1.3	122	25	1.9	0.00
22/05/2023 22:20	1.4	132	22	2.3	0.00
22/05/2023 22:30	1.6	127	16	2.3	0.00
22/05/2023 22:40	1.9	143	16	2.6	0.00
22/05/2023 22:50	1.8	152	13	2.5	0.00
22/05/2023 23:00	1.2	135	26	1.9	0.00
22/05/2023 23:10	1.1	139	37	2.0	0.00
22/05/2023 23:20	2.1	176	13	2.8	0.00
22/05/2023 23:30	1.5	181	24	2.6	0.00
22/05/2023 23:40	0.7	154	41	1.3	0.00
22/05/2023 23:50	0.4	143	14	1.7	0.00
23/05/2023 00:00	1.0	315	53	2.0	0.00
23/05/2023 00:10	0.6	27	31	1.1	0.00
23/05/2023 00:20	0.7	329	33	1.4	0.00
23/05/2023 00:30	0.4	271	43	0.9	0.00
23/05/2023 00:40	0.8	343	44	1.2	0.00
23/05/2023 00:50	0.6	339	28	1.3	0.00
23/05/2023 01:00	1.0	291	67	2.0	0.00
23/05/2023 01:10	1.2	248	79	2.3	0.00
23/05/2023 01:20	1.6	163	57	3.3	0.00
23/05/2023 01:30	3.1	185	16	4.2	0.00
23/05/2023 01:40	3.6	189	14	4.8	0.00
23/05/2023 01:50	4.2	193	11	5.4	0.00
23/05/2023 02:00	3.6	183	12	4.8	0.00
23/05/2023 02:10	3.7	191	11	4.9	0.00
23/05/2023 02:20	3.8	191	10	4.9	0.00
23/05/2023 02:30	4.0	191	9	5.2	0.00
23/05/2023 02:40	4.0	193	9	4.8	0.00
23/05/2023 02:50	3.8	193	9	4.9	0.00
23/05/2023 03:00	3.5	185	12	4.4	0.00
23/05/2023 03:10	3.4	184	14	4.7	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/05/2023 03:20	3.2	179	15	5.2	0.00
23/05/2023 03:30	3.0	166	23	4.2	0.00
23/05/2023 03:40	2.8	170	19	4.1	0.00
23/05/2023 03:50	2.4	158	18	3.9	0.00
23/05/2023 04:00	2.6	152	17	3.6	0.00
23/05/2023 04:10	2.4	151	19	3.8	0.00
23/05/2023 04:20	2.9	155	18	4.7	0.00
23/05/2023 04:30	3.0	155	17	4.4	0.00
23/05/2023 04:40	3.2	167	16	4.8	0.00
23/05/2023 04:50	3.2	162	17	4.8	0.00
23/05/2023 05:00	3.5	170	18	5.1	0.00
23/05/2023 05:10	3.0	157	16	4.2	0.00
23/05/2023 05:20	2.5	165	19	3.8	0.00
23/05/2023 05:30	2.6	166	17	3.8	0.00
23/05/2023 05:40	2.4	136	33	4.0	0.00
23/05/2023 05:50	2.8	128	29	4.8	0.00
23/05/2023 06:00	3.6	120	23	6.0	0.00
23/05/2023 06:10	3.4	127	28	5.4	0.00
23/05/2023 06:20	2.6	123	26	4.1	0.00
23/05/2023 06:30	2.8	118	25	4.6	0.00
23/05/2023 06:40	3.0	128	25	5.0	0.00
23/05/2023 06:50	3.6	124	22	5.8	0.00
23/05/2023 07:00	3.6	122	19	5.2	0.00
23/05/2023 07:10	3.9	121	18	5.4	0.00
23/05/2023 07:20	4.1	116	16	5.6	0.00
23/05/2023 07:30	3.7	116	17	6.1	0.00
23/05/2023 07:40	3.9	115	21	5.6	0.00
23/05/2023 07:50	3.3	101	20	5.6	0.00
23/05/2023 08:00	3.4	95	21	5.2	0.00
23/05/2023 08:10	4.6	89	16	7.1	0.00
23/05/2023 08:20	4.5	92	16	7.0	0.00
23/05/2023 08:30	4.3	90	18	6.4	0.00
23/05/2023 08:40	4.4	91	17	6.8	0.00
23/05/2023 08:50	4.2	92	17	6.5	0.00
23/05/2023 09:00	4.2	89	15	6.5	0.00
23/05/2023 09:10	3.9	90	17	5.6	0.00
23/05/2023 09:20	3.6	93	18	5.6	0.00
23/05/2023 09:30	4.1	85	14	5.4	0.00
23/05/2023 09:40	3.9	87	16	5.4	0.00
23/05/2023 09:50	4.3	86	13	6.1	0.00
23/05/2023 10:00	4.7	85	14	7.2	0.00
23/05/2023 10:10	4.1	82	18	6.3	0.00
23/05/2023 10:20	4.7	86	15	6.8	0.00
23/05/2023 10:30	4.8	81	14	6.8	0.00
23/05/2023 10:40	4.9	76	16	6.8	0.00





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/05/2023 10:50	4.2	79	15	6.0	0.00
23/05/2023 11:00	4.1	71	15	6.0	0.00
23/05/2023 11:10	4.7	73	15	6.6	0.00
23/05/2023 11:20	4.5	73	13	6.8	0.00
23/05/2023 11:30	4.6	74	14	6.7	0.00
23/05/2023 11:40	4.4	73	16	6.6	0.00
23/05/2023 11:50	4.5	81	14	6.3	0.00
23/05/2023 12:00	4.8	79	14	7.0	0.00
23/05/2023 12:10	4.6	75	15	6.8	0.00
23/05/2023 12:20	4.6	79	14	6.4	0.00
23/05/2023 12:30	4.3	80	15	5.9	0.00
23/05/2023 12:40	5.0	81	13	7.0	0.00
23/05/2023 12:50	4.6	81	15	6.2	0.00
23/05/2023 13:00	4.8	78	16	6.5	0.00
23/05/2023 13:10	4.5	78	16	6.3	0.00
23/05/2023 13:20	4.3	83	16	6.3	0.00
23/05/2023 13:30	4.2	81	14	6.2	0.00
23/05/2023 13:40	3.9	79	14	5.6	0.00
23/05/2023 13:50	3.9	76	15	5.6	0.00
23/05/2023 14:00	3.8	75	15	5.2	0.00
23/05/2023 14:10	4.0	73	14	5.3	0.00
23/05/2023 14:20	3.7	74	16	5.2	0.00
23/05/2023 14:30	3.7	73	15	5.1	0.00
23/05/2023 14:40	3.7	75	12	5.2	0.00
23/05/2023 14:50	3.2	65	15	4.4	0.00
23/05/2023 15:00	3.3	56	11	4.7	0.00
23/05/2023 15:10	3.0	56	13	4.2	0.00
23/05/2023 15:20	2.8	55	14	3.7	0.00
23/05/2023 15:30	2.9	46	12	3.7	0.00
23/05/2023 15:40	2.5	47	13	3.3	0.00
23/05/2023 15:50	2.2	53	16	2.9	0.00
23/05/2023 16:00	2.5	50	13	3.2	0.00
23/05/2023 16:10	2.3	49	12	3.2	0.00
23/05/2023 16:20	2.0	53	13	2.8	0.00
23/05/2023 16:30	1.9	53	14	2.4	0.00
23/05/2023 16:40	1.9	56	12	2.7	0.00
23/05/2023 16:50	1.4	59	14	2.1	0.00
23/05/2023 17:00	0.8	64	15	1.3	0.00
23/05/2023 17:10	0.7	88	19	1.2	0.00
23/05/2023 17:20	0.8	66	5	1.2	0.00
23/05/2023 17:30	0.6	69	6	1.1	0.00
23/05/2023 17:40	0.1	78	4	0.6	0.00
23/05/2023 17:50	0.1	72	1	0.6	0.00
23/05/2023 18:00	0.1	74	1	0.5	0.00
23/05/2023 18:10	0.1	86	0	0.6	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/05/2023 18:20					0.00
23/05/2023 18:30	0.2	83	3	0.8	0.00
23/05/2023 18:40	0.5	83	2	0.8	0.00
23/05/2023 18:50	0.3	73	3	0.6	0.00
23/05/2023 19:00	0.1	68	4	0.6	0.00
23/05/2023 19:10					0.00
23/05/2023 19:20					0.00
23/05/2023 19:30	0.1	228	4	0.6	0.00
23/05/2023 19:40					0.00
23/05/2023 19:50	0.2	339	1	0.7	0.00
23/05/2023 20:00	0.2	342	2	0.8	0.00
23/05/2023 20:10	0.5	337	5	0.9	0.00
23/05/2023 20:20					0.00
23/05/2023 20:30					0.00
23/05/2023 20:40					0.00
23/05/2023 20:50					0.00
23/05/2023 21:00	0.5	179	11	0.9	0.00
23/05/2023 21:10	0.8	333	6	1.1	0.00
23/05/2023 21:20					0.00
23/05/2023 21:30	0.4	342	3	0.9	0.00
23/05/2023 21:40	0.4	334	1	0.7	0.00
23/05/2023 21:50	0.5	348	4	0.8	0.00
23/05/2023 22:00	0.4	349	3	0.8	0.00
23/05/2023 22:10	0.4	348	8	0.8	0.00
23/05/2023 22:20	0.4	345	3	0.9	0.00
23/05/2023 22:30					0.00
23/05/2023 22:40					0.00
23/05/2023 22:50					0.00
23/05/2023 23:00	0.5	340	12	1.0	0.00
23/05/2023 23:10	0.2	97	5	0.8	0.00
23/05/2023 23:20					0.00
23/05/2023 23:30	0.5	168	3	1.6	0.00
23/05/2023 23:40	0.6	102	12	1.1	0.00
23/05/2023 23:50					0.00
24/05/2023 00:00	0.6	342	11	1.4	0.00
24/05/2023 00:10	0.3	94	6	0.9	0.00
24/05/2023 00:20	0.1	337	6	0.6	0.00
24/05/2023 00:30	0.2	163	2	0.8	0.00
24/05/2023 00:40	0.3	192	14	0.8	0.00
24/05/2023 00:50	1.4	278	10	2.0	0.00
24/05/2023 01:00	0.4	175	38	1.2	0.00
24/05/2023 01:10	0.3	142	26	0.8	0.00
24/05/2023 01:20	0.7	183	7	1.1	0.00
24/05/2023 01:30	0.7	310	7	1.2	0.00
24/05/2023 01:40	0.5	298	21	1.1	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/05/2023 01:50	0.2	183	3	0.8	0.00
24/05/2023 02:00	0.1	154	5	0.7	0.00
24/05/2023 02:10	0.0	1	0	0.4	0.00
24/05/2023 02:20	0.5	339	12	1.1	0.00
24/05/2023 02:30	0.2	210	32	0.8	0.00
24/05/2023 02:40	0.1	153	4	0.9	0.00
24/05/2023 02:50	0.3	178	3	0.8	0.00
24/05/2023 03:00	0.2	252	19	0.6	0.00
24/05/2023 03:10	0.6	280	48	1.5	0.00
24/05/2023 03:20	0.9	104	76	2.1	0.00
24/05/2023 03:30	1.1	76	47	2.0	0.00
24/05/2023 03:40	1.3	340	34	2.0	0.00
24/05/2023 03:50	3.0	226	44	4.8	0.00
24/05/2023 04:00	3.9	184	13	5.7	0.00
24/05/2023 04:10	3.9	187	14	5.6	0.00
24/05/2023 04:20	4.7	189	12	6.4	0.00
24/05/2023 04:30	5.1	183	8	6.2	0.00
24/05/2023 04:40	5.2	182	10	6.6	0.00
24/05/2023 04:50	5.6	182	8	7.0	0.00
24/05/2023 05:00	5.2	183	10	6.4	0.00
24/05/2023 05:10	4.8	184	10	6.1	0.00
24/05/2023 05:20	4.2	185	11	5.5	0.00
24/05/2023 05:30	4.4	187	11	5.8	0.00
24/05/2023 05:40	4.8	186	11	6.2	0.00
24/05/2023 05:50	5.1	185	10	6.8	0.00
24/05/2023 06:00	5.2	185	12	6.8	0.00
24/05/2023 06:10	4.8	187	11	6.5	0.00
24/05/2023 06:20	5.0	184	12	6.5	0.00
24/05/2023 06:30	5.7	180	10	7.3	0.00
24/05/2023 06:40	5.5	178	11	6.9	0.00
24/05/2023 06:50	5.3	177	10	6.5	0.00
24/05/2023 07:00	4.8	178	10	6.2	0.00
24/05/2023 07:10	4.3	186	11	6.3	0.00
24/05/2023 07:20	4.6	184	11	6.2	0.00
24/05/2023 07:30	4.6	125	28	6.4	0.00
24/05/2023 07:40	4.8	78	18	5.9	0.00
24/05/2023 07:50	5.5	82	18	6.9	0.00
24/05/2023 08:00	5.8	82	18	7.1	0.00
24/05/2023 08:10	5.9	88	18	7.5	0.00
24/05/2023 08:20	5.7	86	19	7.5	0.00
24/05/2023 08:30	5.1	92	18	7.0	0.00
24/05/2023 08:40	4.5	91	18	6.0	0.00
24/05/2023 08:50	5.0	90	18	6.3	0.00
24/05/2023 09:00	3.9	91	18	5.6	0.00
24/05/2023 09:10	3.6	91	18	5.2	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/05/2023 09:20	3.1	90	17	4.8	0.00
24/05/2023 09:30	2.8	90	18	4.5	0.00
24/05/2023 09:40	2.3	93	16	4.0	0.00
24/05/2023 09:50	2.6	90	18	4.4	0.00
24/05/2023 10:00	2.8	92	18	4.0	0.00
24/05/2023 10:10	2.8	90	17	4.8	0.00
24/05/2023 10:20	2.3	86	18	4.0	0.00
24/05/2023 10:30	1.8	85	17	2.8	0.00
24/05/2023 10:40	1.6	84	17	2.6	0.00
24/05/2023 10:50	1.8	84	17	2.6	0.00
24/05/2023 11:00	1.9	80	17	2.8	0.00
24/05/2023 11:10	1.8	81	17	2.7	0.00
24/05/2023 11:20	1.8	80	18	3.0	0.00
24/05/2023 11:30	2.0	80	18	2.7	0.00
24/05/2023 11:40	1.9	81	17	2.8	0.00
24/05/2023 11:50	2.0	79	17	2.9	0.00
24/05/2023 12:00	2.1	76	18	2.8	0.00
24/05/2023 12:10	2.0	75	17	2.9	0.00
24/05/2023 12:20	2.5	76	17	3.3	0.00
24/05/2023 12:30	2.8	75	18	3.6	0.00
24/05/2023 12:40	2.5	79	17	3.8	0.00
24/05/2023 12:50	3.2	74	18	4.5	0.00
24/05/2023 13:00	3.2	79	18	4.5	0.00
24/05/2023 13:10	3.1	77	18	4.4	0.00
24/05/2023 13:20	3.5	77	18	4.4	0.00
24/05/2023 13:30	3.8	79	18	4.9	0.00
24/05/2023 13:40	3.5	81	17	4.7	0.00
24/05/2023 13:50	3.3	81	18	4.3	0.00
24/05/2023 14:00	3.4	76	18	4.5	0.00
24/05/2023 14:10	3.3	81	18	4.5	0.00
24/05/2023 14:20	3.3	80	18	4.4	0.00
24/05/2023 14:30	3.2	77	18	4.4	0.00
24/05/2023 14:40	3.2	80	18	4.4	0.00
24/05/2023 14:50	3.4	79	18	4.8	0.00
24/05/2023 15:00	3.2	80	18	4.2	0.00
24/05/2023 15:10	2.9	77	18	4.2	0.00
24/05/2023 15:20	3.0	77	19	4.5	0.00
24/05/2023 15:30	3.3	78	18	4.9	0.00
24/05/2023 15:40	3.2	81	18	4.2	0.00
24/05/2023 15:50	3.0	85	17	4.5	0.00
24/05/2023 16:00	2.6	83	17	4.0	0.00
24/05/2023 16:10	2.4	82	17	3.4	0.00
24/05/2023 16:20	2.1	79	18	3.2	0.00
24/05/2023 16:30	2.1	79	18	2.9	0.00
24/05/2023 16:40	1.9	83	17	2.8	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/05/2023 16:50	1.6	83	17	2.2	0.00
24/05/2023 17:00	1.6	81	17	2.5	0.00
24/05/2023 17:10	0.9	80	17	1.4	0.00
24/05/2023 17:20	0.7	82	16	1.0	0.00
24/05/2023 17:30	0.6	82	14	1.0	0.00
24/05/2023 17:40	0.6	137	24	0.9	0.00
24/05/2023 17:50	0.4	193	24	0.8	0.00
24/05/2023 18:00	0.4	226	28	0.8	0.00
24/05/2023 18:10	0.8	199	71	1.1	0.00
24/05/2023 18:20	0.6	280	35	1.0	0.00
24/05/2023 18:30	0.9	284	25	1.2	0.00
24/05/2023 18:40	1.0	265	13	1.6	0.00
24/05/2023 18:50	1.0	267	17	1.6	0.00
24/05/2023 19:00	0.6	275	22	1.3	0.00
24/05/2023 19:10	1.3	238	20	2.0	0.00
24/05/2023 19:20	1.5	280	16	2.0	0.00
24/05/2023 19:30	1.0	289	13	1.4	0.00
24/05/2023 19:40	1.0	294	13	1.4	0.00
24/05/2023 19:50	1.0	290	14	1.5	0.00
24/05/2023 20:00	1.3	255	14	1.7	0.00
24/05/2023 20:10	1.9	226	14	2.8	0.00
24/05/2023 20:20	2.0	214	16	2.7	0.00
24/05/2023 20:30	2.3	211	9	3.0	0.00
24/05/2023 20:40	2.2	216	10	2.8	0.00
24/05/2023 20:50	1.8	211	13	2.5	0.00
24/05/2023 21:00	1.7	216	17	2.4	0.00
24/05/2023 21:10	1.8	229	21	2.6	0.00
24/05/2023 21:20	1.8	228	19	2.4	0.00
24/05/2023 21:30	1.8	219	24	2.8	0.00
24/05/2023 21:40	1.8	214	27	3.2	0.00
24/05/2023 21:50	1.4	226	28	2.3	0.00
24/05/2023 22:00	1.8	219	32	2.9	0.00
24/05/2023 22:10	1.9	219	29	3.6	0.00
24/05/2023 22:20	1.9	211	28	3.5	0.00
24/05/2023 22:30	2.0	205	25	3.2	0.00
24/05/2023 22:40	2.4	201	16	4.0	0.00
24/05/2023 22:50	2.2	200	19	3.4	0.00
24/05/2023 23:00	2.5	199	17	3.7	0.00
24/05/2023 23:10	2.6	196	14	4.1	0.00
24/05/2023 23:20	2.5	193	15	3.5	0.00
24/05/2023 23:30	2.2	194	20	3.3	0.00
24/05/2023 23:40	2.5	192	17	3.6	0.00
24/05/2023 23:50	3.3	193	16	4.7	0.00
25/05/2023 00:00	3.7	199	13	5.6	0.00
25/05/2023 00:10	4.5	194	11	5.7	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/05/2023 00:20	4.2	197	10	5.2	0.00
25/05/2023 00:30	4.3	199	9	5.5	0.00
25/05/2023 00:40	3.9	199	11	5.1	0.00
25/05/2023 00:50	3.8	200	11	5.2	0.00
25/05/2023 01:00	4.0	201	9	5.3	0.00
25/05/2023 01:10	4.3	201	9	5.4	0.00
25/05/2023 01:20	4.1	202	9	5.2	0.00
25/05/2023 01:30	3.6	202	12	4.8	0.00
25/05/2023 01:40	3.6	202	12	4.6	0.00
25/05/2023 01:50	3.7	201	11	4.7	0.00
25/05/2023 02:00	3.2	199	13	4.3	0.00
25/05/2023 02:10	2.4	192	18	3.9	0.00
25/05/2023 02:20	1.3	148	80	2.5	0.00
25/05/2023 02:30	1.3	189	30	2.1	0.00
25/05/2023 02:40	0.7	216	46	1.3	0.00
25/05/2023 02:50	1.0	174	54	2.0	0.00
25/05/2023 03:00	1.2	322	41	2.0	0.00
25/05/2023 03:10	0.1	231	12	0.7	0.00
25/05/2023 03:20	1.0	304	51	1.8	0.00
25/05/2023 03:30	1.0	184	23	1.6	0.00
25/05/2023 03:40	1.1	230	67	2.1	0.00
25/05/2023 03:50	1.0	335	26	1.3	0.00
25/05/2023 04:00	1.1	23	32	1.6	0.00
25/05/2023 04:10	0.6	74	11	1.2	0.00
25/05/2023 04:20	0.5	66	21	1.2	0.00
25/05/2023 04:30	0.6	73	15	1.1	0.00
25/05/2023 04:40	0.9	44	26	1.2	0.00
25/05/2023 04:50	1.2	27	24	2.0	0.00
25/05/2023 05:00	1.1	15	22	1.6	0.00
25/05/2023 05:10	0.7	171	22	1.3	0.00
25/05/2023 05:20	1.1	289	59	2.0	0.00
25/05/2023 05:30	1.5	130	50	3.0	0.00
25/05/2023 05:40	1.8	155	41	3.2	0.00
25/05/2023 05:50	1.3	294	36	1.9	0.00
25/05/2023 06:00	1.0	317	40	1.6	0.00
25/05/2023 06:10	0.8	81	62	2.1	0.00
25/05/2023 06:20	2.4	169	21	3.6	0.00
25/05/2023 06:30	3.1	175	14	4.4	0.00
25/05/2023 06:40	4.0	183	12	5.2	0.00
25/05/2023 06:50	4.1	185	11	5.1	0.00
25/05/2023 07:00	3.7	183	12	5.2	0.00
25/05/2023 07:10	3.5	176	12	4.9	0.00
25/05/2023 07:20	3.5	185	13	4.4	0.00
25/05/2023 07:30	3.4	186	14	4.8	0.00
25/05/2023 07:40	2.8	177	21	4.0	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/05/2023 07:50	1.5	82	18	2.5	0.00
25/05/2023 08:00	1.4	89	17	2.1	0.00
25/05/2023 08:10	2.2	89	18	3.5	0.00
25/05/2023 08:20	1.7	91	17	2.8	0.00
25/05/2023 08:30	1.8	90	18	3.3	0.00
25/05/2023 08:40	2.5	95	18	3.7	0.00
25/05/2023 08:50	2.4	92	18	3.7	0.00
25/05/2023 09:00	2.2	92	18	3.6	0.00
25/05/2023 09:10	2.0	91	18	3.5	0.00
25/05/2023 09:20	2.2	96	17	3.3	0.00
25/05/2023 09:30	2.2	92	18	3.7	0.00
25/05/2023 09:40	2.2	94	18	3.6	0.00
25/05/2023 09:50	2.5	94	18	3.6	0.00
25/05/2023 10:00	2.1	90	18	3.1	0.00
25/05/2023 10:10	1.8	86	18	2.9	0.00
25/05/2023 10:20	2.0	83	18	2.8	0.00
25/05/2023 10:30	1.9	81	18	2.6	0.00
25/05/2023 10:40	1.8	79	19	2.4	0.00
25/05/2023 10:50	1.9	83	18	2.5	0.00
25/05/2023 11:00	1.9	82	18	2.7	0.00
25/05/2023 11:10	1.9	81	18	2.8	0.00
25/05/2023 11:20	2.0	81	18	3.2	0.00
25/05/2023 11:30	2.0	78	18	2.8	0.00
25/05/2023 11:40	2.4	77	17	3.6	0.00
25/05/2023 11:50	2.6	74	18	3.5	0.00
25/05/2023 12:00	2.3	78	16	3.3	0.00
25/05/2023 12:10	2.5	80	17	3.6	0.00
25/05/2023 12:20	2.3	77	17	3.4	0.00
25/05/2023 12:30	2.9	78	18	4.4	0.00
25/05/2023 12:40	3.6	80	18	4.9	0.00
25/05/2023 12:50	2.8	79	18	3.9	0.00
25/05/2023 13:00	2.7	81	17	4.0	0.00
25/05/2023 13:10	2.7	76	18	3.6	0.00
25/05/2023 13:20	2.4	79	16	3.6	0.00
25/05/2023 13:30	2.9	79	19	4.3	0.00
25/05/2023 13:40	3.2	81	18	4.6	0.00
25/05/2023 13:50	3.4	82	18	4.7	0.00
25/05/2023 14:00	3.3	80	18	4.4	0.00
25/05/2023 14:10	3.5	75	18	4.8	0.00
25/05/2023 14:20	3.5	60	13	4.8	0.00
25/05/2023 14:30	3.3	79	19	4.5	0.00
25/05/2023 14:40	3.2	83	18	4.4	0.00
25/05/2023 14:50	3.2	66	17	4.5	0.00
25/05/2023 15:00	3.4	49	12	4.3	0.00
25/05/2023 15:10	3.0	46	13	4.4	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/05/2023 15:20	3.2	46	12	4.3	0.00
25/05/2023 15:30	2.9	47	13	4.0	0.00
25/05/2023 15:40	2.9	49	13	3.9	0.00
25/05/2023 15:50	2.7	46	13	3.6	0.00
25/05/2023 16:00	2.9	45	12	4.2	0.00
25/05/2023 16:10	2.7	50	14	4.0	0.00
25/05/2023 16:20	2.9	47	13	4.0	0.00
25/05/2023 16:30	3.0	44	14	4.8	0.00
25/05/2023 16:40	3.0	45	15	4.5	0.00
25/05/2023 16:50	2.7	50	15	4.3	0.00
25/05/2023 17:00	2.4	48	14	3.6	0.00
25/05/2023 17:10	2.3	44	15	3.5	0.00
25/05/2023 17:20	1.5	60	26	2.6	0.00
25/05/2023 17:30	1.1	80	39	1.6	0.00
25/05/2023 17:40	1.1	121	19	1.6	0.00
25/05/2023 17:50	1.1	154	29	1.6	0.00
25/05/2023 18:00	1.1	158	15	1.6	0.00
25/05/2023 18:10	1.1	160	23	1.5	0.00
25/05/2023 18:20	0.7	145	27	1.4	0.00
25/05/2023 18:30	0.9	122	30	1.5	0.00
25/05/2023 18:40	0.9	161	13	1.2	0.00
25/05/2023 18:50	0.8	157	23	1.1	0.00
25/05/2023 19:00	0.9	141	21	1.2	0.00
25/05/2023 19:10	0.5	135	17	0.8	0.00
25/05/2023 19:20	0.9	129	18	1.2	0.00
25/05/2023 19:30	0.9	119	16	1.2	0.00
25/05/2023 19:40	0.7	98	10	1.0	0.00
25/05/2023 19:50	1.0	89	8	1.2	0.00
25/05/2023 20:00	1.0	91	9	1.4	0.00
25/05/2023 20:10	0.3	89	13	0.9	0.00
25/05/2023 20:20	0.3	72	17	1.0	0.00
25/05/2023 20:30					0.00
25/05/2023 20:40					0.00
25/05/2023 20:50					0.00
25/05/2023 21:00	0.5	335	24	1.2	0.00
25/05/2023 21:10	0.5	316	28	1.3	0.00
25/05/2023 21:20	1.2	343	32	1.8	0.00
25/05/2023 21:30	0.5	193	23	1.1	0.00
25/05/2023 21:40	0.9	337	8	1.2	0.00
25/05/2023 21:50	0.7	334	11	1.2	0.00
25/05/2023 22:00	0.2	231	5	0.8	0.00
25/05/2023 22:10	0.1	191	2	0.9	0.00
25/05/2023 22:20	0.2	156	27	0.8	0.00
25/05/2023 22:30	0.9	334	19	1.5	0.00
25/05/2023 22:40	1.1	339	10	1.4	0.00





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/05/2023 22:50	1.1	332	16	1.4	0.00
25/05/2023 23:00	0.5	348	21	1.2	0.00
25/05/2023 23:10	0.6	161	34	1.2	0.00
25/05/2023 23:20	1.0	54	56	1.5	0.00
25/05/2023 23:30	1.3	110	71	2.2	0.00
25/05/2023 23:40	1.6	171	42	3.3	0.00
25/05/2023 23:50	2.2	166	18	3.5	0.00
26/05/2023 00:00	2.4	172	16	3.9	0.00
26/05/2023 00:10	2.3	172	15	3.3	0.00
26/05/2023 00:20	2.6	178	14	3.9	0.00
26/05/2023 00:30	2.6	175	19	4.1	0.00
26/05/2023 00:40	2.8	187	13	4.1	0.00
26/05/2023 00:50	2.8	190	12	3.7	0.00
26/05/2023 01:00	1.6	174	49	2.3	0.00
26/05/2023 01:10	1.4	172	46	2.5	0.00
26/05/2023 01:20	1.2	138	50	3.5	0.00
26/05/2023 01:30	1.8	152	27	3.3	0.00
26/05/2023 01:40	2.0	158	34	4.4	0.00
26/05/2023 01:50	2.2	141	28	4.1	0.00
26/05/2023 02:00	2.5	130	31	4.6	0.00
26/05/2023 02:10	2.0	131	33	4.2	0.00
26/05/2023 02:20	2.9	124	26	5.1	0.00
26/05/2023 02:30	3.1	121	27	5.2	0.00
26/05/2023 02:40	3.1	127	22	4.5	0.00
26/05/2023 02:50	2.6	121	24	4.6	0.00
26/05/2023 03:00	2.6	124	20	4.2	0.00
26/05/2023 03:10	2.1	126	23	3.7	0.00
26/05/2023 03:20	1.7	110	24	2.8	0.00
26/05/2023 03:30	1.5	91	21	2.9	0.00
26/05/2023 03:40	1.8	104	19	2.6	0.00
26/05/2023 03:50	1.9	96	18	3.2	0.00
26/05/2023 04:00	2.1	93	22	3.9	0.00
26/05/2023 04:10	2.3	103	30	4.0	0.00
26/05/2023 04:20	1.8	106	29	3.4	0.00
26/05/2023 04:30	1.5	106	34	2.8	0.00
26/05/2023 04:40	1.7	132	35	3.8	0.00
26/05/2023 04:50	1.8	128	38	3.3	0.00
26/05/2023 05:00	1.5	115	42	3.2	0.00
26/05/2023 05:10	1.8	118	57	3.8	0.00
26/05/2023 05:20	2.1	142	37	4.3	0.00
26/05/2023 05:30	2.5	140	33	4.1	0.00
26/05/2023 05:40	2.4	118	46	5.0	0.00
26/05/2023 05:50	4.0	110	38	7.2	0.00
26/05/2023 06:00	4.4	106	30	7.5	0.00
26/05/2023 06:10	4.2	114	35	8.2	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/05/2023 06:20	4.3	108	28	8.0	0.00
26/05/2023 06:30	4.3	112	33	7.8	0.00
26/05/2023 06:40	3.9	107	33	6.9	0.00
26/05/2023 06:50	4.8	120	32	8.1	0.00
26/05/2023 07:00	4.7	117	28	7.6	0.00
26/05/2023 07:10	4.1	114	33	7.5	0.00
26/05/2023 07:20	4.9	109	23	8.9	0.00
26/05/2023 07:30	4.0	111	27	6.5	0.00
26/05/2023 07:40	4.2	114	29	8.7	0.00
26/05/2023 07:50	4.5	123	27	8.4	0.00
26/05/2023 08:00	4.4	121	30	7.9	0.00
26/05/2023 08:10	4.6	107	30	7.5	0.00
26/05/2023 08:20	5.1	112	25	7.7	0.00
26/05/2023 08:30	4.5	113	35	8.5	0.00
26/05/2023 08:40	4.2	112	34	7.2	0.00
26/05/2023 08:50	5.1	109	23	9.1	0.00
26/05/2023 09:00	5.3	103	24	8.4	0.00
26/05/2023 09:10	4.8	99	29	8.0	0.00
26/05/2023 09:20	4.8	113	30	7.9	0.00
26/05/2023 09:30	5.2	104	24	8.7	0.00
26/05/2023 09:40	4.4	103	24	7.8	0.00
26/05/2023 09:50	4.6	99	26	8.7	0.00
26/05/2023 10:00	3.9	102	28	6.4	0.00
26/05/2023 10:10	4.5	102	28	7.6	0.00
26/05/2023 10:20	4.7	92	25	7.2	0.00
26/05/2023 10:30	4.2	93	23	6.8	0.00
26/05/2023 10:40	4.2	91	26	6.8	0.00
26/05/2023 10:50	4.5	83	17	6.4	0.00
26/05/2023 11:00	4.4	84	21	7.2	0.00
26/05/2023 11:10	5.3	81	15	7.9	0.00
26/05/2023 11:20	5.5	81	13	7.0	0.00
26/05/2023 11:30	5.0	85	15	7.4	0.00
26/05/2023 11:40	4.8	82	12	7.6	0.00
26/05/2023 11:50	3.8	78	16	5.4	0.00
26/05/2023 12:00	3.8	75	16	5.6	0.00
26/05/2023 12:10	3.8	73	15	5.7	0.00
26/05/2023 12:20	3.9	78	16	6.0	0.00
26/05/2023 12:30	3.6	72	14	5.4	0.00
26/05/2023 12:40	3.3	72	14	4.6	0.00
26/05/2023 12:50	3.1	72	15	4.4	0.00
26/05/2023 13:00	3.3	73	17	4.7	0.00
26/05/2023 13:10	3.2	69	17	4.4	0.00
26/05/2023 13:20	2.5	71	19	4.4	0.00
26/05/2023 13:30	2.5	71	20	3.8	0.00
26/05/2023 13:40	2.3	58	20	3.8	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/05/2023 13:50	3.3	54	13	4.5	0.00
26/05/2023 14:00	3.3	58	12	4.6	0.00
26/05/2023 14:10	2.5	58	16	3.6	0.00
26/05/2023 14:20	2.6	54	17	3.6	0.00
26/05/2023 14:30	2.5	56	16	3.7	0.00
26/05/2023 14:40	2.3	57	18	3.2	0.00
26/05/2023 14:50	2.3	56	16	3.7	0.00
26/05/2023 15:00	2.4	54	15	3.4	0.00
26/05/2023 15:10	2.9	37	12	3.9	0.00
26/05/2023 15:20	2.8	37	15	3.8	0.00
26/05/2023 15:30	2.9	44	14	4.0	0.00
26/05/2023 15:40	2.2	53	20	3.6	0.00
26/05/2023 15:50	2.5	45	14	3.5	0.00
26/05/2023 16:00	2.0	51	13	2.9	0.00
26/05/2023 16:10	1.7	56	19	2.6	0.00
26/05/2023 16:20	1.6	61	18	2.2	0.00
26/05/2023 16:30	1.8	68	18	2.6	0.00
26/05/2023 16:40	1.6	71	19	2.4	0.00
26/05/2023 16:50	1.5	66	18	2.4	0.00
26/05/2023 17:00	1.5	62	26	2.4	0.00
26/05/2023 17:10	1.2	80	27	2.2	0.00
26/05/2023 17:20	1.0	97	23	1.9	0.00
26/05/2023 17:30	1.0	119	38	1.5	0.00
26/05/2023 17:40	1.0	89	20	1.6	0.00
26/05/2023 17:50	0.9	85	14	1.5	0.00
26/05/2023 18:00	0.7	89	15	1.2	0.00
26/05/2023 18:10	0.4	86	8	0.8	0.00
26/05/2023 18:20	0.1	82	3	0.5	0.00
26/05/2023 18:30	0.3	49	14	0.8	0.00
26/05/2023 18:40					0.00
26/05/2023 18:50					0.00
26/05/2023 19:00	0.8	32	13	1.1	0.00
26/05/2023 19:10	0.6	17	20	1.2	0.00
26/05/2023 19:20	0.3	50	26	1.0	0.00
26/05/2023 19:30	0.5	34	21	1.0	0.00
26/05/2023 19:40	0.2	23	9	0.8	0.00
26/05/2023 19:50	0.3	159	16	0.7	0.00
26/05/2023 20:00	0.7	332	15	0.9	0.00
26/05/2023 20:10	1.1	336	4	1.2	0.00
26/05/2023 20:20	0.9	346	5	1.2	0.00
26/05/2023 20:30	0.2	2	2	0.8	0.00
26/05/2023 20:40					0.00
26/05/2023 20:50	0.0	357	1	0.6	0.00
26/05/2023 21:00	0.1	1	2	0.6	0.00
26/05/2023 21:10	0.1	11	5	0.6	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/05/2023 21:20					0.00
26/05/2023 21:30					0.00
26/05/2023 21:40					0.00
26/05/2023 21:50					0.00
26/05/2023 22:00	0.0	64	3	0.6	0.00
26/05/2023 22:10					0.00
26/05/2023 22:20	0.0	80	2	0.6	0.00
26/05/2023 22:30	0.5	84	18	1.2	0.00
26/05/2023 22:40	1.7	91	22	3.0	0.00
26/05/2023 22:50	1.4	95	31	3.2	0.00
26/05/2023 23:00	1.5	100	24	2.4	0.00
26/05/2023 23:10	1.9	113	24	3.3	0.00
26/05/2023 23:20	1.9	112	26	4.0	0.00
26/05/2023 23:30	2.6	121	25	4.9	0.00
26/05/2023 23:40	2.4	108	31	4.1	0.00
26/05/2023 23:50	2.3	109	33	5.6	0.00
27/05/2023 00:00	3.1	118	26	5.6	0.00
27/05/2023 00:10	3.6	107	26	6.4	0.00
27/05/2023 00:20	4.0	118	28	6.0	0.00
27/05/2023 00:30	3.9	121	24	6.6	0.00
27/05/2023 00:40	3.5	118	31	6.6	0.00
27/05/2023 00:50	3.9	113	23	8.0	0.00
27/05/2023 01:00	3.7	118	23	5.6	0.00
27/05/2023 01:10	3.6	107	25	6.0	0.00
27/05/2023 01:20	4.0	115	22	6.2	0.00
27/05/2023 01:30	3.6	117	24	6.0	0.00
27/05/2023 01:40	4.0	120	30	7.0	0.00
27/05/2023 01:50	4.1	115	25	6.9	0.00
27/05/2023 02:00	3.6	114	28	6.7	0.00
27/05/2023 02:10	4.2	125	28	7.2	0.00
27/05/2023 02:20	3.9	118	24	7.6	0.00
27/05/2023 02:30	4.1	114	29	7.1	0.00
27/05/2023 02:40	3.9	112	28	6.7	0.00
27/05/2023 02:50	4.1	114	25	7.2	0.00
27/05/2023 03:00	4.3	116	26	7.3	0.00
27/05/2023 03:10	4.5	107	27	7.4	0.00
27/05/2023 03:20	4.1	100	23	7.1	0.00
27/05/2023 03:30	4.5	108	21	7.3	0.00
27/05/2023 03:40	4.0	105	25	8.3	0.00
27/05/2023 03:50	4.7	106	25	7.6	0.00
27/05/2023 04:00	4.3	110	26	7.9	0.00
27/05/2023 04:10	4.3	115	23	8.3	0.00
27/05/2023 04:20	3.8	112	24	6.6	0.00
27/05/2023 04:30	4.2	119	28	7.1	0.00
27/05/2023 04:40	3.7	114	29	7.2	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/05/2023 04:50	3.7	117	32	7.1	0.00
27/05/2023 05:00	3.4	109	30	6.2	0.00
27/05/2023 05:10	3.1	108	45	6.0	0.00
27/05/2023 05:20	3.2	108	38	7.2	0.00
27/05/2023 05:30	3.0	116	48	6.0	0.00
27/05/2023 05:40	3.1	100	32	6.4	0.00
27/05/2023 05:50	2.7	105	33	4.9	0.00
27/05/2023 06:00	3.3	102	26	7.2	0.00
27/05/2023 06:10	3.0	105	41	6.0	0.00
27/05/2023 06:20	2.2	103	42	4.4	0.00
27/05/2023 06:30	2.7	96	35	5.0	0.00
27/05/2023 06:40	2.7	102	39	6.2	0.00
27/05/2023 06:50	2.5	112	54	6.2	0.00
27/05/2023 07:00	2.4	120	37	4.8	0.00
27/05/2023 07:10	2.5	101	39	5.2	0.00
27/05/2023 07:20	2.3	104	37	4.3	0.00
27/05/2023 07:30	2.4	105	28	4.1	0.00
27/05/2023 07:40	3.1	98	34	5.7	0.00
27/05/2023 07:50	2.6	103	27	5.3	0.00
27/05/2023 08:00	2.6	110	40	5.6	0.00
27/05/2023 08:10	2.6	120	33	4.8	0.00
27/05/2023 08:20	2.8	110	31	5.3	0.00
27/05/2023 08:30	3.7	111	36	6.7	0.00
27/05/2023 08:40	3.4	106	29	6.0	0.00
27/05/2023 08:50	3.2	106	35	6.2	0.00
27/05/2023 09:00	3.3	114	30	6.1	0.00
27/05/2023 09:10	3.7	112	27	6.0	0.00
27/05/2023 09:20	3.3	100	25	6.0	0.00
27/05/2023 09:30	3.5	90	23	6.0	0.00
27/05/2023 09:40	3.7	90	22	7.1	0.00
27/05/2023 09:50	3.5	89	24	5.7	0.00
27/05/2023 10:00	4.5	80	14	6.4	0.00
27/05/2023 10:10	4.0	79	15	5.7	0.00
27/05/2023 10:20	4.6	80	15	7.0	0.00
27/05/2023 10:30	4.0	75	14	5.7	0.00
27/05/2023 10:40	4.5	81	13	6.5	0.00
27/05/2023 10:50	3.7	81	13	5.0	0.00
27/05/2023 11:00	3.3	73	13	4.8	0.00
27/05/2023 11:10	2.8	64	18	4.2	0.00
27/05/2023 11:20	3.2	54	13	4.0	0.00
27/05/2023 11:30	2.9	60	15	3.9	0.00
27/05/2023 11:40	2.8	51	17	3.8	0.00
27/05/2023 11:50	3.3	62	10	4.0	0.00
27/05/2023 12:00	3.5	55	10	4.4	0.00
27/05/2023 12:10	3.2	59	14	4.3	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/05/2023 12:20	3.1	49	14	4.5	0.00
27/05/2023 12:30	3.3	44	13	4.5	0.00
27/05/2023 12:40	3.3	39	14	4.4	0.00
27/05/2023 12:50	3.6	36	13	5.2	0.00
27/05/2023 13:00	3.4	40	15	4.8	0.00
27/05/2023 13:10	3.5	40	13	5.0	0.00
27/05/2023 13:20	3.8	42	13	5.5	0.00
27/05/2023 13:30	3.7	43	14	5.2	0.00
27/05/2023 13:40	3.6	43	11	4.8	0.00
27/05/2023 13:50	3.2	47	13	4.4	0.00
27/05/2023 14:00	3.2	43	14	4.5	0.00
27/05/2023 14:10	2.9	45	15	4.2	0.00
27/05/2023 14:20	3.0	50	14	4.0	0.00
27/05/2023 14:30	3.1	45	15	4.1	0.00
27/05/2023 14:40	3.2	46	13	4.1	0.00
27/05/2023 14:50	2.8	49	14	4.0	0.00
27/05/2023 15:00	2.7	48	14	3.6	0.00
27/05/2023 15:10	2.9	50	11	4.0	0.00
27/05/2023 15:20	2.5	49	15	3.5	0.00
27/05/2023 15:30	2.6	50	16	3.9	0.00
27/05/2023 15:40	2.2	48	18	3.0	0.00
27/05/2023 15:50	2.1	51	14	3.0	0.00
27/05/2023 16:00	2.1	50	16	3.2	0.00
27/05/2023 16:10	1.8	54	16	2.6	0.00
27/05/2023 16:20	1.5	52	19	2.4	0.00
27/05/2023 16:30	1.8	48	13	2.6	0.00
27/05/2023 16:40	1.7	48	14	2.8	0.00
27/05/2023 16:50	1.6	53	15	2.3	0.00
27/05/2023 17:00	1.0	73	15	1.5	0.00
27/05/2023 17:10	0.3	77	16	1.0	0.00
27/05/2023 17:20	0.4	136	11	0.8	0.00
27/05/2023 17:30	0.7	151	20	1.1	0.00
27/05/2023 17:40	1.1	159	18	1.3	0.00
27/05/2023 17:50	0.9	163	19	1.2	0.00
27/05/2023 18:00	0.9	187	21	1.2	0.00
27/05/2023 18:10	0.9	160	15	1.2	0.00
27/05/2023 18:20	0.8	175	11	1.2	0.00
27/05/2023 18:30	0.9	158	18	1.2	0.00
27/05/2023 18:40	0.6	137	24	0.9	0.00
27/05/2023 18:50	0.4	139	10	0.8	0.00
27/05/2023 19:00	0.5	183	12	0.8	0.00
27/05/2023 19:10	0.0	158	0	0.5	0.00
27/05/2023 19:20	0.9	183	9	1.2	0.00
27/05/2023 19:30	0.5	188	16	0.9	0.00
27/05/2023 19:40	0.7	177	19	1.0	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/05/2023 19:50	0.7	169	14	0.9	0.00
27/05/2023 20:00	0.7	178	7	1.1	0.00
27/05/2023 20:10	0.6	164	10	0.9	0.00
27/05/2023 20:20	0.8	180	5	1.0	0.00
27/05/2023 20:30	0.8	174	13	1.1	0.00
27/05/2023 20:40	0.4	143	7	0.7	0.00
27/05/2023 20:50	0.4	172	18	0.8	0.00
27/05/2023 21:00	0.4	198	4	0.8	0.00
27/05/2023 21:10	0.1	5	0	0.8	0.00
27/05/2023 21:20	0.3	160	22	0.8	0.00
27/05/2023 21:30	0.3	239	13	0.8	0.00
27/05/2023 21:40	0.5	348	6	0.8	0.00
27/05/2023 21:50	0.5	343	12	0.7	0.00
27/05/2023 22:00	0.2	338	9	0.6	0.00
27/05/2023 22:10	0.5	178	9	0.8	0.00
27/05/2023 22:20	0.2	354	5	0.8	0.00
27/05/2023 22:30	0.5	350	4	0.8	0.00
27/05/2023 22:40	0.5	336	15	1.1	0.00
27/05/2023 22:50	0.7	324	24	1.1	0.00
27/05/2023 23:00	1.1	197	48	1.5	0.00
27/05/2023 23:10	1.6	211	65	3.2	0.00
27/05/2023 23:20	3.6	175	12	4.9	0.00
27/05/2023 23:30	3.3	185	14	4.8	0.00
27/05/2023 23:40	3.2	171	12	4.4	0.00
27/05/2023 23:50	3.4	174	12	4.6	0.00
28/05/2023 00:00	3.4	181	12	4.7	0.00
28/05/2023 00:10	2.7	178	16	3.9	0.00
28/05/2023 00:20	1.4	264	64	2.7	0.00
28/05/2023 00:30	1.0	136	65	1.8	0.00
28/05/2023 00:40	1.2	189	58	2.3	0.00
28/05/2023 00:50	3.8	186	14	5.2	0.00
28/05/2023 01:00	4.4	191	10	5.8	0.00
28/05/2023 01:10	4.6	190	9	6.0	0.00
28/05/2023 01:20	4.1	191	10	5.3	0.00
28/05/2023 01:30	3.6	191	12	4.8	0.00
28/05/2023 01:40	2.2	171	19	3.6	0.00
28/05/2023 01:50	2.1	163	21	3.5	0.00
28/05/2023 02:00	2.6	139	25	4.4	0.00
28/05/2023 02:10	2.5	112	27	4.3	0.00
28/05/2023 02:20	3.2	125	30	5.8	0.00
28/05/2023 02:30	2.4	123	35	4.3	0.00
28/05/2023 02:40	2.5	111	32	4.4	0.00
28/05/2023 02:50	3.2	114	23	5.4	0.00
28/05/2023 03:00	3.6	112	21	6.6	0.00
28/05/2023 03:10	4.0	121	30	7.4	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/05/2023 03:20	3.9	105	20	6.7	0.00
28/05/2023 03:30	3.9	111	28	6.2	0.00
28/05/2023 03:40	3.9	114	27	6.7	0.00
28/05/2023 03:50	2.6	106	30	4.6	0.00
28/05/2023 04:00	3.7	93	25	6.2	0.00
28/05/2023 04:10	3.0	106	30	4.9	0.00
28/05/2023 04:20	3.4	102	24	5.8	0.00
28/05/2023 04:30	3.4	101	22	6.2	0.00
28/05/2023 04:40	4.4	105	23	7.3	0.00
28/05/2023 04:50	4.4	100	23	7.9	0.00
28/05/2023 05:00	4.4	108	22	8.7	0.00
28/05/2023 05:10	3.8	101	24	6.8	0.00
28/05/2023 05:20	3.7	107	28	7.5	0.00
28/05/2023 05:30	3.8	99	23	7.5	0.00
28/05/2023 05:40	3.9	100	22	6.3	0.00
28/05/2023 05:50	4.0	90	24	6.7	0.00
28/05/2023 06:00	4.4	95	21	6.9	0.00
28/05/2023 06:10	4.0	98	23	6.2	0.00
28/05/2023 06:20	4.4	107	25	7.8	0.00
28/05/2023 06:30	4.4	93	18	6.8	0.00
28/05/2023 06:40	4.1	96	24	6.4	0.00
28/05/2023 06:50	4.3	92	21	7.5	0.00
28/05/2023 07:00	4.5	92	21	7.2	0.00
28/05/2023 07:10	4.4	97	23	7.5	0.00
28/05/2023 07:20	4.5	103	22	8.1	0.00
28/05/2023 07:30	4.3	102	26	6.9	0.00
28/05/2023 07:40	4.9	91	19	7.1	0.00
28/05/2023 07:50	4.1	96	20	7.9	0.00
28/05/2023 08:00	3.6	105	25	5.7	0.00
28/05/2023 08:10	4.2	88	20	6.8	0.00
28/05/2023 08:20	5.4	82	14	7.9	0.00
28/05/2023 08:30	5.0	88	16	7.7	0.00
28/05/2023 08:40	4.3	92	17	6.5	0.00
28/05/2023 08:50	4.5	91	21	6.9	0.00
28/05/2023 09:00	5.3	88	15	7.9	0.00
28/05/2023 09:10	5.7	85	14	7.8	0.00
28/05/2023 09:20	5.6	83	15	8.4	0.00
28/05/2023 09:30	6.2	82	16	9.1	0.00
28/05/2023 09:40	5.7	80	15	8.2	0.00
28/05/2023 09:50	6.2	82	15	8.1	0.00
28/05/2023 10:00	5.4	77	14	7.6	0.00
28/05/2023 10:10	5.0	81	16	7.5	0.00
28/05/2023 10:20	5.3	76	16	7.9	0.00
28/05/2023 10:30	5.8	76	15	8.3	0.00
28/05/2023 10:40	5.4	77	14	8.3	0.00





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/05/2023 10:50	5.3	75	16	7.2	0.00
28/05/2023 11:00	5.7	74	14	8.0	0.00
28/05/2023 11:10	5.3	80	14	7.9	0.00
28/05/2023 11:20	5.3	74	14	7.9	0.00
28/05/2023 11:30	5.8	75	14	8.8	0.00
28/05/2023 11:40	5.0	70	16	6.7	0.00
28/05/2023 11:50	4.0	63	16	6.2	0.00
28/05/2023 12:00	4.6	59	12	6.4	0.00
28/05/2023 12:10	4.6	53	12	6.3	0.00
28/05/2023 12:20	5.1	57	11	6.8	0.00
28/05/2023 12:30	4.9	57	10	6.8	0.00
28/05/2023 12:40	5.0	58	11	6.6	0.00
28/05/2023 12:50	4.9	57	11	6.4	0.00
28/05/2023 13:00	5.0	57	10	6.4	0.00
28/05/2023 13:10	4.2	59	10	5.5	0.00
28/05/2023 13:20	3.8	52	15	5.1	0.00
28/05/2023 13:30	3.7	46	11	4.9	0.00
28/05/2023 13:40	4.1	47	12	5.3	0.00
28/05/2023 13:50	4.0	49	10	5.2	0.00
28/05/2023 14:00	3.8	50	10	5.1	0.00
28/05/2023 14:10	3.5	48	12	4.6	0.00
28/05/2023 14:20	3.9	49	10	5.2	0.00
28/05/2023 14:30	3.7	43	13	5.2	0.00
28/05/2023 14:40	3.6	41	12	4.8	0.00
28/05/2023 14:50	3.6	40	11	4.8	0.00
28/05/2023 15:00	3.8	42	9	4.8	0.00
28/05/2023 15:10	2.8	40	14	4.0	0.00
28/05/2023 15:20	2.9	41	13	4.1	0.00
28/05/2023 15:30	3.6	40	11	4.7	0.00
28/05/2023 15:40	3.4	42	12	4.7	0.00
28/05/2023 15:50	3.0	41	14	4.0	0.00
28/05/2023 16:00	3.0	43	13	4.4	0.00
28/05/2023 16:10	3.4	41	15	4.9	0.00
28/05/2023 16:20	3.4	41	13	4.9	0.00
28/05/2023 16:30	3.0	41	14	4.3	0.00
28/05/2023 16:40	3.0	41	14	4.2	0.00
28/05/2023 16:50	2.7	47	13	3.9	0.00
28/05/2023 17:00	2.4	42	17	3.7	0.00
28/05/2023 17:10	2.2	50	14	3.6	0.00
28/05/2023 17:20	1.3	62	18	1.9	0.00
28/05/2023 17:30	1.2	60	16	1.7	0.00
28/05/2023 17:40	1.1	68	28	1.9	0.00
28/05/2023 17:50	0.7	83	20	1.2	0.00
28/05/2023 18:00	0.5	116	29	1.1	0.00
28/05/2023 18:10	0.7	126	27	1.2	0.00



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/05/2023 18:20	0.2	97	17	0.7	0.00
28/05/2023 18:30	0.2	142	25	0.6	0.00
28/05/2023 18:40	0.2	146	17	0.7	0.00
28/05/2023 18:50	0.1	116	12	0.6	0.00
28/05/2023 19:00	0.1	85	0	0.6	0.00
28/05/2023 19:10					0.00
28/05/2023 19:20	0.1	28	1	0.8	0.00
28/05/2023 19:30					0.00
28/05/2023 19:40					0.00
28/05/2023 19:50					0.00
28/05/2023 20:00					0.00
28/05/2023 20:10	0.1	162	11	0.6	0.00
28/05/2023 20:20	0.4	71	7	1.1	0.00
28/05/2023 20:30	0.2	187	7	0.8	0.00
28/05/2023 20:40	0.1	50	4	0.6	0.00
28/05/2023 20:50					0.00
28/05/2023 21:00	0.4	54	18	0.8	0.00
28/05/2023 21:10	0.4	32	9	0.9	0.00
28/05/2023 21:20	0.0	28	2	0.4	0.00
28/05/2023 21:30	0.1	58	15	0.8	0.00
28/05/2023 21:40	0.9	186	14	1.2	0.00
28/05/2023 21:50	0.8	316	11	1.2	0.00
28/05/2023 22:00	0.4	337	19	0.8	0.00
28/05/2023 22:10					0.00
28/05/2023 22:20	0.9	326	9	1.3	0.00
28/05/2023 22:30	0.3	335	37	0.9	0.00
28/05/2023 22:40	0.7	349	49	1.3	0.00
28/05/2023 22:50	0.7	339	22	1.3	0.00
28/05/2023 23:00	0.1	340	5	0.6	0.00
28/05/2023 23:10	1.2	141	15	2.3	0.00
28/05/2023 23:20	1.9	141	18	2.8	0.00
28/05/2023 23:30	2.4	151	21	3.5	0.00
28/05/2023 23:40	2.5	167	16	3.6	0.00
28/05/2023 23:50	2.9	175	14	4.5	0.00
29/05/2023 00:00	2.9	184	14	4.2	0.00
29/05/2023 00:10	2.9	184	13	4.0	0.00
29/05/2023 00:20	2.9	174	15	4.4	0.00
29/05/2023 00:30	3.3	187	15	4.7	0.00
29/05/2023 00:40	3.0	183	17	4.0	0.00
29/05/2023 00:50	3.6	194	10	5.0	0.00
29/05/2023 01:00	3.4	184	14	4.7	0.00
29/05/2023 01:10	3.1	183	16	4.4	0.00
29/05/2023 01:20	3.2	190	10	4.2	0.00
29/05/2023 01:30	3.0	183	17	4.2	0.00
29/05/2023 01:40	2.4	175	17	4.0	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/05/2023 01:50	2.8	179	15	4.5	0.00
29/05/2023 02:00	2.4	169	18	3.4	0.00
29/05/2023 02:10	2.6	169	20	3.7	0.00
29/05/2023 02:20	2.5	173	18	3.6	0.00
29/05/2023 02:30	2.3	173	15	3.5	0.00
29/05/2023 02:40	2.5	155	19	3.8	0.00
29/05/2023 02:50	2.6	139	30	5.5	0.00
29/05/2023 03:00	2.7	121	32	5.0	0.00
29/05/2023 03:10	2.4	122	33	4.4	0.00
29/05/2023 03:20	2.4	139	27	4.4	0.00
29/05/2023 03:30	2.1	136	39	3.8	0.00
29/05/2023 03:40	2.3	130	39	4.9	0.00
29/05/2023 03:50	2.6	139	22	5.2	0.00
29/05/2023 04:00	2.5	124	29	4.4	0.00
29/05/2023 04:10	2.0	122	33	3.2	0.00
29/05/2023 04:20	1.8	133	28	3.6	0.00
29/05/2023 04:30	1.9	134	29	4.3	0.00
29/05/2023 04:40	1.7	135	34	3.3	0.00
29/05/2023 04:50	1.5	105	41	2.7	0.00
29/05/2023 05:00	2.2	105	29	3.6	0.00
29/05/2023 05:10	2.2	111	30	4.7	0.00
29/05/2023 05:20	1.9	115	38	4.0	0.00
29/05/2023 05:30	2.8	111	26	5.3	0.00
29/05/2023 05:40	4.0	117	25	7.6	0.00
29/05/2023 05:50	4.3	112	20	7.2	0.00
29/05/2023 06:00	4.4	119	19	7.4	0.00
29/05/2023 06:10	4.7	117	24	7.6	0.00
29/05/2023 06:20	4.7	116	23	7.2	0.00
29/05/2023 06:30	4.8	119	18	7.2	0.00
29/05/2023 06:40	4.6	118	19	7.6	0.00
29/05/2023 06:50	4.6	108	23	7.2	0.00
29/05/2023 07:00	4.4	106	25	8.1	0.00
29/05/2023 07:10	4.4	100	25	7.3	0.00
29/05/2023 07:20	5.0	92	20	7.9	0.00
29/05/2023 07:30	5.0	106	22	8.2	0.00
29/05/2023 07:40	4.7	107	23	7.6	0.00
29/05/2023 07:50	4.7	106	24	8.0	0.00
29/05/2023 08:00	4.5	109	21	8.8	0.00
29/05/2023 08:10	4.9	97	21	6.8	0.00
29/05/2023 08:20	4.7	94	18	7.6	0.00
29/05/2023 08:30	4.8	99	17	7.0	0.00
29/05/2023 08:40	5.0	91	18	8.1	0.00
29/05/2023 08:50	5.3	90	17	8.4	0.00
29/05/2023 09:00	5.6	86	15	8.2	0.00
29/05/2023 09:10	6.2	89	14	9.0	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/05/2023 09:20	6.4	86	15	9.2	0.00
29/05/2023 09:30	6.6	90	16	9.5	0.00
29/05/2023 09:40	6.6	89	15	10.2	0.00
29/05/2023 09:50	6.9	82	15	9.4	0.00
29/05/2023 10:00	6.7	84	14	9.8	0.00
29/05/2023 10:10	6.7	85	14	9.2	0.00
29/05/2023 10:20	6.1	80	15	8.9	0.00
29/05/2023 10:30	6.7	80	17	9.8	0.00
29/05/2023 10:40	6.2	79	16	9.2	0.00
29/05/2023 10:50	7.1	80	14	10.0	0.00
29/05/2023 11:00	6.4	79	15	9.9	0.00
29/05/2023 11:10	6.6	78	15	8.7	0.00
29/05/2023 11:20	6.5	76	16	9.0	0.00
29/05/2023 11:30	6.0	77	13	8.8	0.00
29/05/2023 11:40	6.1	80	16	8.3	0.00
29/05/2023 11:50	6.3	80	15	8.7	0.00
29/05/2023 12:00	6.1	78	14	8.5	0.00
29/05/2023 12:10	5.8	79	15	8.1	0.00
29/05/2023 12:20	5.8	82	15	8.3	0.00
29/05/2023 12:30	5.7	84	16	7.8	0.00
29/05/2023 12:40	5.2	80	14	7.9	0.00
29/05/2023 12:50	4.8	79	15	6.8	0.00
29/05/2023 13:00	5.3	75	14	7.6	0.00
29/05/2023 13:10	5.2	73	14	7.6	0.00
29/05/2023 13:20	4.9	71	16	6.7	0.00
29/05/2023 13:30	5.3	61	14	7.5	0.00
29/05/2023 13:40	5.7	59	11	7.6	0.00
29/05/2023 13:50	6.0	58	12	7.8	0.00
29/05/2023 14:00	6.5	56	11	8.0	0.00
29/05/2023 14:10	5.9	55	13	8.4	0.00
29/05/2023 14:20	6.0	56	13	8.3	0.00
29/05/2023 14:30	6.3	59	10	8.7	0.00
29/05/2023 14:40	6.0	53	12	8.0	0.00
29/05/2023 14:50	6.0	51	13	8.7	0.00
29/05/2023 15:00	5.5	49	13	8.5	0.00
29/05/2023 15:10	5.4	49	12	8.1	0.00
29/05/2023 15:20	5.0	49	14	7.3	0.00
29/05/2023 15:30	5.2	49	13	7.5	0.00
29/05/2023 15:40	4.9	48	12	6.9	0.00
29/05/2023 15:50	4.7	49	11	7.1	0.00
29/05/2023 16:00	4.4	49	13	6.2	0.00
29/05/2023 16:10	3.9	47	12	5.4	0.00
29/05/2023 16:20	3.8	48	12	5.4	0.00
29/05/2023 16:30	3.9	48	12	5.2	0.00
29/05/2023 16:40	3.6	46	12	4.7	0.00



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/05/2023 16:50	3.2	48	11	4.8	0.00
29/05/2023 17:00	3.0	46	12	4.1	0.00
29/05/2023 17:10	2.4	46	11	3.2	0.00
29/05/2023 17:20	2.2	48	14	3.2	0.00
29/05/2023 17:30	1.6	51	15	2.2	0.00
29/05/2023 17:40	1.1	55	14	1.7	0.00
29/05/2023 17:50	0.9	50	15	1.7	0.00
29/05/2023 18:00	0.1	49	6	0.9	0.00
29/05/2023 18:10	0.1	71	1	0.5	0.00
29/05/2023 18:20	0.7	206	16	0.9	0.00
29/05/2023 18:30	1.1	183	10	1.4	0.00
29/05/2023 18:40	0.8	121	25	1.2	0.00
29/05/2023 18:50	0.5	72	15	0.9	0.00
29/05/2023 19:00	0.3	152	19	0.8	0.00
29/05/2023 19:10	0.3	128	11	0.6	0.00
29/05/2023 19:20					0.00
29/05/2023 19:30	0.4	166	11	0.8	0.00
29/05/2023 19:40	0.1	111	3	0.5	0.00
29/05/2023 19:50	0.5	116	13	1.0	0.00
29/05/2023 20:00	0.6	136	23	1.2	0.00
29/05/2023 20:10	0.3	157	13	0.9	0.00
29/05/2023 20:20	0.0	164	0	0.4	0.00
29/05/2023 20:30	0.6	345	4	1.0	0.00
29/05/2023 20:40	0.6	164	4	1.1	0.00
29/05/2023 20:50	0.1	131	10	0.6	0.00
29/05/2023 21:00					0.00
29/05/2023 21:10	0.5	143	7	0.8	0.00
29/05/2023 21:20	0.0	126	0	0.4	0.00
29/05/2023 21:30					0.00
29/05/2023 21:40					0.00
29/05/2023 21:50	0.0	17	2	0.4	0.00
29/05/2023 22:00	0.6	70	14	1.3	0.00
29/05/2023 22:10	0.6	55	18	1.0	0.00
29/05/2023 22:20	1.0	29	22	1.4	0.00
29/05/2023 22:30	0.8	8	20	1.2	0.00
29/05/2023 22:40	0.4	48	27	1.1	0.00
29/05/2023 22:50	1.0	352	12	1.4	0.00
29/05/2023 23:00	0.9	181	35	1.3	0.00
29/05/2023 23:10	0.9	345	18	1.3	0.00
29/05/2023 23:20	1.0	328	24	1.4	0.00
29/05/2023 23:30	0.9	336	14	1.3	0.00
29/05/2023 23:40	1.2	328	16	1.4	0.00
29/05/2023 23:50	1.3	241	35	1.9	0.00
30/05/2023 00:00	1.4	243	47	2.5	0.00
30/05/2023 00:10	0.9	353	33	1.8	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/05/2023 00:20	1.3	321	14	1.8	0.00
30/05/2023 00:30	0.9	341	38	1.6	0.00
30/05/2023 00:40	1.4	187	47	2.5	0.00
30/05/2023 00:50	0.8	293	51	1.6	0.00
30/05/2023 01:00	0.9	321	36	1.4	0.00
30/05/2023 01:10	1.0	166	63	2.1	0.00
30/05/2023 01:20	2.5	171	17	3.4	0.00
30/05/2023 01:30	2.8	169	15	4.0	0.00
30/05/2023 01:40	3.0	173	13	4.0	0.00
30/05/2023 01:50	3.1	181	12	4.2	0.00
30/05/2023 02:00	3.0	182	11	4.0	0.00
30/05/2023 02:10	3.0	174	13	4.0	0.00
30/05/2023 02:20	2.6	167	14	3.6	0.00
30/05/2023 02:30	2.9	165	14	4.1	0.00
30/05/2023 02:40	2.3	150	22	4.0	0.00
30/05/2023 02:50	2.3	122	21	3.4	0.00
30/05/2023 03:00	1.2	78	21	1.9	0.00
30/05/2023 03:10	1.7	100	12	2.3	0.00
30/05/2023 03:20	2.0	110	16	2.9	0.00
30/05/2023 03:30	1.8	105	16	2.9	0.00
30/05/2023 03:40	2.1	114	22	3.6	0.00
30/05/2023 03:50	1.5	133	24	2.5	0.00
30/05/2023 04:00	2.0	150	18	3.0	0.00
30/05/2023 04:10	2.3	155	14	3.5	0.00
30/05/2023 04:20	2.2	152	20	3.3	0.00
30/05/2023 04:30	1.8	168	15	2.9	0.00
30/05/2023 04:40	2.2	158	20	3.4	0.00
30/05/2023 04:50	2.8	144	22	5.2	0.00
30/05/2023 05:00	3.1	129	20	4.8	0.00
30/05/2023 05:10	3.0	135	23	5.0	0.00
30/05/2023 05:20	2.6	133	23	4.7	0.00
30/05/2023 05:30	1.9	169	25	3.2	0.00
30/05/2023 05:40	2.3	181	18	3.2	0.00
30/05/2023 05:50	1.8	161	27	2.9	0.00
30/05/2023 06:00	2.3	145	30	4.4	0.00
30/05/2023 06:10	2.5	153	22	4.4	0.00
30/05/2023 06:20	3.3	156	20	5.5	0.00
30/05/2023 06:30	3.2	147	24	4.7	0.00
30/05/2023 06:40	3.1	150	21	4.7	0.00
30/05/2023 06:50	3.0	136	29	6.2	0.00
30/05/2023 07:00	3.0	115	27	6.1	0.00
30/05/2023 07:10	2.3	113	24	4.0	0.00
30/05/2023 07:20	2.0	109	23	3.4	0.00
30/05/2023 07:30	2.5	119	17	3.9	0.00
30/05/2023 07:40	2.6	109	18	3.9	0.00



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/05/2023 07:50	2.1	104	23	3.8	0.00
30/05/2023 08:00	2.4	108	21	4.1	0.00
30/05/2023 08:10	2.7	112	17	4.5	0.00
30/05/2023 08:20	3.2	116	17	4.8	0.00
30/05/2023 08:30	3.7	120	15	5.1	0.00
30/05/2023 08:40	3.5	119	16	4.7	0.00
30/05/2023 08:50	3.6	113	20	5.3	0.00
30/05/2023 09:00	3.6	111	22	5.8	0.00
30/05/2023 09:10	3.1	112	22	5.0	0.00
30/05/2023 09:20	4.4	83	14	6.8	0.00
30/05/2023 09:30	5.0	85	14	7.5	0.00
30/05/2023 09:40	5.4	85	14	7.7	0.00
30/05/2023 09:50	5.1	89	15	7.4	0.00
30/05/2023 10:00	4.6	84	18	6.8	0.00
30/05/2023 10:10	5.2	86	15	7.1	0.00
30/05/2023 10:20	5.1	87	15	7.5	0.00
30/05/2023 10:30	4.7	84	15	6.7	0.00
30/05/2023 10:40	4.8	81	14	6.6	0.00
30/05/2023 10:50	4.7	78	15	6.8	0.00
30/05/2023 11:00	4.8	83	14	7.7	0.00
30/05/2023 11:10	4.9	81	14	7.0	0.00
30/05/2023 11:20	4.5	82	15	6.1	0.00
30/05/2023 11:30	4.4	84	15	6.1	0.00
30/05/2023 11:40	4.5	84	15	6.1	0.00
30/05/2023 11:50	4.1	86	15	6.0	0.00
30/05/2023 12:00	4.1	79	16	5.6	0.00
30/05/2023 12:10	4.0	80	15	5.9	0.00
30/05/2023 12:20	3.9	79	17	5.6	0.00
30/05/2023 12:30	3.8	80	15	5.5	0.00
30/05/2023 12:40	4.2	73	15	5.9	0.00
30/05/2023 12:50	4.0	74	14	5.8	0.00
30/05/2023 13:00	3.7	74	14	5.3	0.00
30/05/2023 13:10	3.6	73	15	5.5	0.00
30/05/2023 13:20	3.8	75	14	5.2	0.00
30/05/2023 13:30	3.7	75	14	5.0	0.00
30/05/2023 13:40	3.1	75	17	4.6	0.00
30/05/2023 13:50	3.6	77	13	5.1	0.00
30/05/2023 14:00	3.4	78	15	4.8	0.00
30/05/2023 14:10	3.2	77	16	4.6	0.00
30/05/2023 14:20	3.4	76	15	4.7	0.00
30/05/2023 14:30	3.6	79	13	5.2	0.00
30/05/2023 14:40	3.1	76	14	4.6	0.00
30/05/2023 14:50	3.0	57	17	4.5	0.00
30/05/2023 15:00	3.2	51	11	4.7	0.00
30/05/2023 15:10	2.9	44	12	4.1	0.00



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/05/2023 15:20	2.9	42	14	4.0	0.00
30/05/2023 15:30	3.3	42	12	4.5	0.00
30/05/2023 15:40	2.9	42	13	4.1	0.00
30/05/2023 15:50	2.7	43	15	3.7	0.00
30/05/2023 16:00	2.7	42	14	4.0	0.00
30/05/2023 16:10	2.3	51	14	3.5	0.00
30/05/2023 16:20	2.0	59	16	2.8	0.00
30/05/2023 16:30	2.1	49	15	2.8	0.00
30/05/2023 16:40	1.9	62	20	2.8	0.00
30/05/2023 16:50	1.6	68	17	2.3	0.00
30/05/2023 17:00	1.6	67	15	2.6	0.00
30/05/2023 17:10	1.4	72	19	2.0	0.00
30/05/2023 17:20	1.4	87	28	2.1	0.00
30/05/2023 17:30	1.1	83	18	1.9	0.00
30/05/2023 17:40	1.1	89	20	1.8	0.00
30/05/2023 17:50	1.1	103	15	1.6	0.00
30/05/2023 18:00	1.2	101	14	1.6	0.00
30/05/2023 18:10	0.8	91	16	1.2	0.00
30/05/2023 18:20	1.1	97	13	1.6	0.00
30/05/2023 18:30	1.0	100	15	1.4	0.00
30/05/2023 18:40	1.0	97	14	1.5	0.00
30/05/2023 18:50	0.9	90	12	1.5	0.00
30/05/2023 19:00	0.7	96	14	1.2	0.00
30/05/2023 19:10	0.9	99	13	1.4	0.00
30/05/2023 19:20	1.0	84	8	1.2	0.00
30/05/2023 19:30	0.1	88	8	0.6	0.00
30/05/2023 19:40					0.00
30/05/2023 19:50					0.00
30/05/2023 20:00					0.00
30/05/2023 20:10	0.7	325	7	1.4	0.00
30/05/2023 20:20	1.2	321	6	1.6	0.00
30/05/2023 20:30	1.2	331	5	1.5	0.00
30/05/2023 20:40	0.5	345	5	1.1	0.00
30/05/2023 20:50					0.00
30/05/2023 21:00					0.00
30/05/2023 21:10					0.00
30/05/2023 21:20	0.1	334	2	0.8	0.00
30/05/2023 21:30					0.00
30/05/2023 21:40					0.00
30/05/2023 21:50					0.00
30/05/2023 22:00					0.00
30/05/2023 22:10					0.00
30/05/2023 22:20					0.00
30/05/2023 22:30					0.00
30/05/2023 22:40					0.00





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
30/05/2023 22:50					0.00
30/05/2023 23:00					0.00
30/05/2023 23:10					0.00
30/05/2023 23:20					0.00
30/05/2023 23:30	0.1	292	2	0.4	0.00
30/05/2023 23:40					0.00
30/05/2023 23:50					0.00
31/05/2023 00:00					0.00
06/01/2023 00:00	0.5	282	11	1.1	0
06/01/2023 00:10	0.8	264	41	1.8	0
06/01/2023 00:20	1.4	265	30	2.2	0
06/01/2023 00:30	1.4	284	19	2.5	0
06/01/2023 00:40	1.1	292	42	1.9	0
06/01/2023 00:50	1.1	113	63	1.9	0
06/01/2023 01:00	1.9	210	34	3.8	0
06/01/2023 01:10	1.8	217	27	3.4	0
06/01/2023 01:20	3.4	205	17	5.3	0
06/01/2023 01:30	4.3	201	10	5.4	0
06/01/2023 01:40	4.3	199	10	5.4	0
06/01/2023 01:50	3.8	199	10	4.8	0
06/01/2023 02:00	2.8	201	21	4.3	0
06/01/2023 02:10	1.7	250	47	2.9	0
06/01/2023 02:20	1.2	25	34	1.6	0
06/01/2023 02:30	1.2	288	53	2	0
06/01/2023 02:40	0.2	20	4	0.9	0
06/01/2023 02:50	0.2	286	20	0.8	0
06/01/2023 03:00	0	314	0	0.4	0
06/01/2023 03:10					0
06/01/2023 03:20	0.3	194	15	0.9	0
06/01/2023 03:30	0.2	283	24	0.8	0
06/01/2023 03:40	0.5	336	21	0.9	0
06/01/2023 03:50	0.4	347	11	1.2	0
06/01/2023 04:00	1	340	36	1.5	0
06/01/2023 04:10	0.7	26	34	1.2	0
06/01/2023 04:20	0.1	270	4	0.6	0
06/01/2023 04:30	0.2	177	4	0.7	0
06/01/2023 04:40	0.3	167	8	0.8	0
06/01/2023 04:50	0.8	337	8	1.3	0
06/01/2023 05:00	0.2	349	0	1.1	0
06/01/2023 05:10	0.9	333	9	1.2	0
06/01/2023 05:20	1.2	333	9	1.5	0
06/01/2023 05:30	1.3	322	18	1.8	0
06/01/2023 05:40	0.9	312	17	1.3	0
06/01/2023 05:50	1	308	18	1.4	0
06/01/2023 06:00	1.3	312	15	1.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/01/2023 06:10	1.2	310	12	1.5	0
06/01/2023 06:20	0.7	308	9	1.1	0
06/01/2023 06:30	0.4	280	9	0.8	0
06/01/2023 06:40	1	327	8	1.3	0
06/01/2023 06:50	1.2	310	16	1.5	0
06/01/2023 07:00	0.9	165	13	1.3	0
06/01/2023 07:10	0.3	62	9	0.7	0
06/01/2023 07:20	0.3	182	5	0.8	0
06/01/2023 07:30	0.6	188	15	1.1	0
06/01/2023 07:40	0.4	285	4	0.8	0
06/01/2023 07:50	0.2	9	4	0.8	0
06/01/2023 08:00	0.2	6	7	0.7	0
06/01/2023 08:10	0.7	187	17	1	0
06/01/2023 08:20	0.9	35	13	1.2	0
06/01/2023 08:30	1.1	44	13	1.6	0
06/01/2023 08:40	1.4	41	14	2	0
06/01/2023 08:50	1.7	34	11	2.3	0
06/01/2023 09:00	1.4	27	13	2	0
06/01/2023 09:10	0.9	31	23	1.3	0
06/01/2023 09:20	1	25	20	1.3	0
06/01/2023 09:30	1	36	36	1.5	0
06/01/2023 09:40	1.3	59	18	1.9	0
06/01/2023 09:50	1.5	44	19	2	0
06/01/2023 10:00	1.3	265	50	2.1	0
06/01/2023 10:10	2.1	19	33	3.1	0
06/01/2023 10:20	2.6	44	11	3.4	0
06/01/2023 10:30	2.3	43	13	2.8	0
06/01/2023 10:40	1.9	55	10	2.4	0
06/01/2023 10:50	1.7	63	10	2	0
06/01/2023 11:00	1.6	63	9	1.9	0
06/01/2023 11:10	1.2	49	12	1.6	0
06/01/2023 11:20	1.9	55	8	2.4	0
06/01/2023 11:30	1.9	53	10	2.4	0
06/01/2023 11:40	2	50	8	2.5	0
06/01/2023 11:50	2.2	39	11	2.6	0
06/01/2023 12:00	2.2	44	12	2.6	0
06/01/2023 12:10	2.3	48	9	2.8	0
06/01/2023 12:20	2.3	55	10	2.8	0
06/01/2023 12:30	2.5	50	9	3.1	0
06/01/2023 12:40	1.9	57	16	2.6	0
06/01/2023 12:50	1.7	201	36	2.7	0
06/01/2023 13:00	2.4	263	27	4	0
06/01/2023 13:10	2.2	276	33	3.5	0
06/01/2023 13:20	2.3	264	29	4	0
06/01/2023 13:30	2.3	267	29	3.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/01/2023 13:40	2.3	279	21	3.6	0
06/01/2023 13:50	2.4	269	22	3.6	0
06/01/2023 14:00	2.3	270	24	3.4	0
06/01/2023 14:10	2.7	275	22	3.6	0
06/01/2023 14:20	2.9	273	21	4	0
06/01/2023 14:30	2.5	263	19	4	0
06/01/2023 14:40	2.5	269	25	3.7	0
06/01/2023 14:50	2.6	274	22	3.8	0
06/01/2023 15:00	2.5	286	22	4.4	0
06/01/2023 15:10	2.5	288	27	3.7	0
06/01/2023 15:20	2.6	272	25	4	0
06/01/2023 15:30	2.6	272	22	3.9	0
06/01/2023 15:40	2.6	279	18	3.6	0
06/01/2023 15:50	2.2	294	22	3.3	0
06/01/2023 16:00	2.5	302	19	3.7	0
06/01/2023 16:10	2.2	294	22	3.5	0
06/01/2023 16:20	2	294	23	3.1	0
06/01/2023 16:30	2.1	286	26	3.7	0
06/01/2023 16:40	2.5	283	18	3.6	0
06/01/2023 16:50	2.8	291	19	4.3	0
06/01/2023 17:00	2.3	301	24	3.6	0
06/01/2023 17:10	2.4	279	21	3.8	0
06/01/2023 17:20	2.3	275	20	3.6	0
06/01/2023 17:30	2.4	280	17	3.8	0
06/01/2023 17:40	2.1	285	19	2.9	0
06/01/2023 17:50	1.9	280	25	3.1	0
06/01/2023 18:00	2.5	278	20	3.6	0
06/01/2023 18:10	1.8	279	20	3.1	0
06/01/2023 18:20	1.9	285	21	2.8	0
06/01/2023 18:30	1.6	284	20	2.8	0
06/01/2023 18:40	1.4	256	29	2.5	0
06/01/2023 18:50	1.4	256	28	2.4	0
06/01/2023 19:00	1.4	286	25	2	0
06/01/2023 19:10	1.1	259	33	2.4	0
06/01/2023 19:20	1.5	274	22	2.4	0
06/01/2023 19:30	1.1	283	25	1.7	0
06/01/2023 19:40	1.4	269	19	2.2	0
06/01/2023 19:50	1.7	292	17	2.5	0
06/01/2023 20:00	1.4	276	27	2.2	0
06/01/2023 20:10	1.4	261	21	2.1	0
06/01/2023 20:20	1.7	254	22	2.4	0
06/01/2023 20:30	1.4	233	38	2.4	0
06/01/2023 20:40	2.1	214	22	3.4	0
06/01/2023 20:50	1.8	227	25	2.7	0
06/01/2023 21:00	1.5	226	30	2.5	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/01/2023 21:10	1.7	219	30	2.9	0
06/01/2023 21:20	1.7	215	30	2.4	0
06/01/2023 21:30	1.6	203	27	2	0
06/01/2023 21:40	1.8	199	17	2.4	0
06/01/2023 21:50	1.8	202	13	2.6	0
06/01/2023 22:00	1.7	213	24	2.4	0
06/01/2023 22:10	1.4	209	22	2.3	0
06/01/2023 22:20	1.5	201	15	2.4	0
06/01/2023 22:30	1.2	200	27	2	0
06/01/2023 22:40	1	207	35	1.4	0
06/01/2023 22:50	0.9	206	51	1.5	0
06/01/2023 23:00	1	216	46	2	0
06/01/2023 23:10	0.9	207	42	1.6	0
06/01/2023 23:20	1.5	268	25	2.4	0
06/01/2023 23:30	2	254	22	3	0
06/01/2023 23:40	3.1	228	22	4.9	0
06/01/2023 23:50	3.1	219	23	5.5	0
06/02/2023 00:00	3.8	211	17	5.6	0
06/02/2023 00:10	3.9	207	17	5.6	0
06/02/2023 00:20	3.7	202	14	5.2	0
06/02/2023 00:30	3.8	200	13	4.9	0
06/02/2023 00:40	4.2	203	11	5.7	0
06/02/2023 00:50	3.9	198	13	5.3	0
06/02/2023 01:00	3.8	197	13	4.8	0
06/02/2023 01:10	3.7	201	12	5	0
06/02/2023 01:20	3.6	203	10	4.8	0
06/02/2023 01:30	4.1	208	12	5.7	0
06/02/2023 01:40	4.3	203	9	5.8	0
06/02/2023 01:50	4.7	199	8	5.8	0
06/02/2023 02:00	4.4	201	11	5.9	0
06/02/2023 02:10	4.7	202	10	6.1	0
06/02/2023 02:20	4.8	205	9	5.9	0
06/02/2023 02:30	5	207	11	6.3	0
06/02/2023 02:40	4.9	209	11	6	0
06/02/2023 02:50	4.7	210	11	6.5	0
06/02/2023 03:00	4.6	207	12	6.5	0
06/02/2023 03:10	4.7	206	12	6.2	0
06/02/2023 03:20	5	207	12	6.4	0
06/02/2023 03:30	5.3	203	9	6.9	0
06/02/2023 03:40	5.4	198	10	7.5	0
06/02/2023 03:50	5.2	200	10	6.7	0
06/02/2023 04:00	5.1	197	9	6.5	0
06/02/2023 04:10	5.1	193	10	7.1	0
06/02/2023 04:20	4.6	193	12	6.3	0
06/02/2023 04:30	5	198	12	7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/02/2023 04:40	5	197	13	6.4	0
06/02/2023 04:50	4.7	193	12	6.4	0
06/02/2023 05:00	3.6	190	17	5.1	0
06/02/2023 05:10	3.7	195	13	4.9	0
06/02/2023 05:20	3.9	195	13	5.2	0
06/02/2023 05:30	4	191	15	5.6	0
06/02/2023 05:40	3.7	195	14	4.9	0
06/02/2023 05:50	3.6	194	13	5.3	0
06/02/2023 06:00	3.8	197	13	5.5	0
06/02/2023 06:10	3.7	199	15	5.2	0
06/02/2023 06:20	3.1	183	21	4.5	0
06/02/2023 06:30	2.5	172	28	4.5	0
06/02/2023 06:40	2.4	176	25	4.8	0
06/02/2023 06:50	2.6	152	23	5.4	0
06/02/2023 07:00	3	151	24	4.7	0
06/02/2023 07:10	2.6	147	24	4.5	0
06/02/2023 07:20	2.7	137	26	4.3	0
06/02/2023 07:30	3.6	124	18	5.6	0
06/02/2023 07:40	3.4	126	24	5.6	0
06/02/2023 07:50	2.8	136	27	4.4	0
06/02/2023 08:00	2.7	127	28	4.8	0
06/02/2023 08:10	2.9	123	20	4.6	0
06/02/2023 08:20	2.9	119	22	4.5	0
06/02/2023 08:30	2.2	130	23	3.7	0
06/02/2023 08:40	2.4	123	23	4.3	0
06/02/2023 08:50	2.2	112	21	3.2	0
06/02/2023 09:00	2.7	105	20	4.2	0
06/02/2023 09:10	2.6	105	27	4.8	0
06/02/2023 09:20	2.4	113	25	4.4	0
06/02/2023 09:30	2.3	103	28	4	0
06/02/2023 09:40	2.7	119	22	4.5	0
06/02/2023 09:50	3	119	18	4.6	0
06/02/2023 10:00	2.6	120	19	4	0
06/02/2023 10:10	2	110	29	3.3	0
06/02/2023 10:20	2	94	21	3.1	0
06/02/2023 10:30	2.6	80	13	3.7	0
06/02/2023 10:40	2.2	71	20	3.3	0
06/02/2023 10:50	2.3	71	18	3.2	0
06/02/2023 11:00	2.3	78	15	2.9	0
06/02/2023 11:10	2.2	52	17	3.2	0
06/02/2023 11:20	2.2	66	19	3.3	0
06/02/2023 11:30	2.5	58	18	3.5	0
06/02/2023 11:40	2.5	64	15	3.9	0
06/02/2023 11:50	2.7	52	16	3.8	0
06/02/2023 12:00	2.6	55	16	3.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/02/2023 12:10	3.1	47	15	4.4	0
06/02/2023 12:20	3.2	47	13	4.2	0
06/02/2023 12:30	2.4	54	16	3.6	0
06/02/2023 12:40	2.7	40	14	4	0
06/02/2023 12:50	2.5	56	16	3.6	0
06/02/2023 13:00	2.3	63	16	3.2	0
06/02/2023 13:10	3.4	40	16	5.2	0
06/02/2023 13:20	3.4	43	15	4.7	0
06/02/2023 13:30	3.5	41	15	5.3	0
06/02/2023 13:40	3.8	39	16	5	0
06/02/2023 13:50	4.4	32	11	5.9	0
06/02/2023 14:00	4	35	15	5.6	0
06/02/2023 14:10	4	36	14	5.6	0
06/02/2023 14:20	4	35	15	5.6	0
06/02/2023 14:30	4	37	12	5.5	0
06/02/2023 14:40	3.7	32	14	5.7	0
06/02/2023 14:50	4	36	13	5.7	0
06/02/2023 15:00	3.9	32	13	5.6	0
06/02/2023 15:10	4	37	14	5.3	0
06/02/2023 15:20	3.7	40	11	5.2	0
06/02/2023 15:30	3.6	40	14	5	0
06/02/2023 15:40	3.5	39	13	5.1	0
06/02/2023 15:50	2.8	38	15	4.2	0
06/02/2023 16:00	2.9	32	17	4.4	0
06/02/2023 16:10	2.9	22	14	4.1	0
06/02/2023 16:20	3.4	19	16	4.9	0
06/02/2023 16:30	2.9	29	14	4.2	0
06/02/2023 16:40	2.5	31	15	3.8	0
06/02/2023 16:50	2.4	184	14	3.6	0
06/02/2023 17:00	3	332	11	4.1	0
06/02/2023 17:10	3	332	10	4.1	0
06/02/2023 17:20	2.2	338	14	3.3	0
06/02/2023 17:30	2.3	325	12	3.2	0
06/02/2023 17:40	2.2	320	11	2.8	0
06/02/2023 17:50	1.8	313	15	2.8	0
06/02/2023 18:00	2	321	11	3	0
06/02/2023 18:10	1.7	315	16	2.5	0
06/02/2023 18:20	1.6	317	19	2.6	0
06/02/2023 18:30	1.3	298	20	2.4	0
06/02/2023 18:40	1.9	261	22	2.9	0
06/02/2023 18:50	1.7	258	26	2.8	0
06/02/2023 19:00	2.1	268	22	3.9	0
06/02/2023 19:10	1.5	243	46	2.7	0
06/02/2023 19:20	1.7	240	38	3	0
06/02/2023 19:30	1.1	233	75	2.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/02/2023 19:40	1.5	243	46	2.8	0
06/02/2023 19:50	1.5	230	69	3.2	0
06/02/2023 20:00	1.4	243	55	2.5	0
06/02/2023 20:10	1.2	216	65	2.4	0
06/02/2023 20:20	1.1	247	57	2.2	0
06/02/2023 20:30	1.5	241	41	2.7	0
06/02/2023 20:40	1.2	243	58	2.8	0
06/02/2023 20:50	1.1	225	80	2.4	0
06/02/2023 21:00	1.1	245	54	2.4	0
06/02/2023 21:10	0.7	131	66	1.7	0
06/02/2023 21:20	0.8	161	35	1.6	0
06/02/2023 21:30	1.2	217	55	2	0
06/02/2023 21:40	0.9	198	52	1.7	0
06/02/2023 21:50	1.1	199	70	2.2	0
06/02/2023 22:00	0.7	211	60	2.1	0
06/02/2023 22:10	1.3	189	58	3.2	0
06/02/2023 22:20	0.8	116	73	1.8	0
06/02/2023 22:30	0.8	149	71	1.8	0
06/02/2023 22:40	1.5	203	42	3.1	0
06/02/2023 22:50	1.7	234	34	3	0
06/02/2023 23:00	2.2	234	34	3.7	0
06/02/2023 23:10	1.3	217	52	2.3	0
06/02/2023 23:20	1.4	223	47	2.8	0
06/02/2023 23:30	1.9	240	32	3.3	0
06/02/2023 23:40	1.7	258	46	3.1	0
06/02/2023 23:50	1.7	261	31	2.9	0
06/03/2023 00:00	1.5	297	29	2.7	0
06/03/2023 00:10	1.9	295	16	2.8	0
06/03/2023 00:20	1.9	285	13	2.9	0
06/03/2023 00:30	1.9	303	10	2.4	0
06/03/2023 00:40	1.9	305	14	2.5	0
06/03/2023 00:50	1.6	286	15	2.4	0
06/03/2023 01:00	1.7	280	18	2.4	0
06/03/2023 01:10	1.9	281	14	2.8	0
06/03/2023 01:20	1.8	287	12	2.4	0
06/03/2023 01:30	1.7	278	14	2.4	0
06/03/2023 01:40	1.5	285	20	2.2	0
06/03/2023 01:50	1.7	296	14	2.4	0
06/03/2023 02:00	1.8	294	16	2.4	0
06/03/2023 02:10	1.8	302	19	2.5	0
06/03/2023 02:20	1.8	291	16	2.4	0
06/03/2023 02:30	1.9	283	12	2.6	0
06/03/2023 02:40	1.7	288	14	2.4	0
06/03/2023 02:50	1.2	282	18	2	0
06/03/2023 03:00	1.7	265	12	2.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/03/2023 03:10	2.3	263	6	2.9	0
06/03/2023 03:20	2.5	263	6	2.8	0
06/03/2023 03:30	2.5	267	7	3	0
06/03/2023 03:40	2.5	265	8	3.1	0
06/03/2023 03:50	2.3	266	11	2.9	0
06/03/2023 04:00	2	257	19	2.8	0
06/03/2023 04:10	1.6	247	30	2.4	0
06/03/2023 04:20	1.9	216	28	3	0
06/03/2023 04:30	2.9	209	12	3.9	0
06/03/2023 04:40	2.9	203	9	3.6	0
06/03/2023 04:50	3	204	10	4.2	0
06/03/2023 05:00	3.7	200	8	4.4	0
06/03/2023 05:10	3.7	200	9	4.6	0
06/03/2023 05:20	4.6	197	9	5.5	0
06/03/2023 05:30	4.5	193	9	5.8	0
06/03/2023 05:40	3.9	192	10	4.9	0
06/03/2023 05:50	4.3	192	11	5.4	0
06/03/2023 06:00	3.9	191	11	5.3	0
06/03/2023 06:10	4.1	190	12	5.5	0
06/03/2023 06:20	3.6	188	13	5.1	0
06/03/2023 06:30	3.5	188	12	4.8	0
06/03/2023 06:40	3.5	188	13	4.8	0
06/03/2023 06:50	3.5	193	10	4.6	0
06/03/2023 07:00	3.4	197	9	4.4	0
06/03/2023 07:10	2.9	197	10	4.1	0
06/03/2023 07:20	5	189	8	6.4	0
06/03/2023 07:30	4.4	191	10	5.8	0
06/03/2023 07:40	4.2	193	10	5.2	0
06/03/2023 07:50	3.3	194	12	4.6	0
06/03/2023 08:00	2.3	190	19	3.5	0
06/03/2023 08:10	1.9	184	22	3.2	0
06/03/2023 08:20	2	161	23	3.4	0
06/03/2023 08:30	2.5	131	23	5.1	0
06/03/2023 08:40	2.7	139	24	4.6	0
06/03/2023 08:50	2.9	139	24	4.6	0
06/03/2023 09:00	2.5	137	21	4	0
06/03/2023 09:10	3.1	146	18	4.8	0
06/03/2023 09:20	3	132	21	4.2	0
06/03/2023 09:30	2.9	124	26	5	0
06/03/2023 09:40	2.6	127	23	4	0
06/03/2023 09:50	2.8	115	18	4.1	0
06/03/2023 10:00	2.9	115	15	4.1	0
06/03/2023 10:10	2.3	96	20	3.6	0
06/03/2023 10:20	2.5	116	17	3.6	0
06/03/2023 10:30	2.4	80	17	3.3	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/03/2023 10:40	2.4	70	14	3.3	0
06/03/2023 10:50	2.3	66	15	3.1	0
06/03/2023 11:00	2.2	78	16	3.2	0
06/03/2023 11:10	2	49	19	2.9	0
06/03/2023 11:20	2	47	17	2.6	0
06/03/2023 11:30	1.9	58	20	2.7	0
06/03/2023 11:40	2	57	17	2.8	0
06/03/2023 11:50	2.4	68	14	3	0
06/03/2023 12:00	2.3	60	16	3.3	0
06/03/2023 12:10	2.6	54	15	3.4	0
06/03/2023 12:20	2.5	56	16	3.2	0
06/03/2023 12:30	2.7	54	13	4	0
06/03/2023 12:40	3	55	14	4.3	0
06/03/2023 12:50	2.9	54	13	4	0
06/03/2023 13:00	2.7	65	17	3.9	0
06/03/2023 13:10	2.4	64	18	3.4	0
06/03/2023 13:20	2.9	57	15	4.3	0
06/03/2023 13:30	2.8	57	16	4.1	0
06/03/2023 13:40	3.3	49	13	4.4	0
06/03/2023 13:50	4	45	12	5.2	0
06/03/2023 14:00	3.6	44	13	5	0
06/03/2023 14:10	4	48	14	5.4	0
06/03/2023 14:20	3.6	48	13	4.7	0
06/03/2023 14:30	3.4	45	14	5.1	0
06/03/2023 14:40	3.5	47	15	4.6	0
06/03/2023 14:50	3.6	44	13	4.9	0
06/03/2023 15:00	3.4	43	13	5.2	0
06/03/2023 15:10	2.9	50	13	4.6	0
06/03/2023 15:20	3.7	41	14	5.4	0
06/03/2023 15:30	3	50	17	4.1	0
06/03/2023 15:40	3.4	46	13	4.9	0
06/03/2023 15:50	3.6	44	14	5.2	0
06/03/2023 16:00	2.8	45	12	4.4	0
06/03/2023 16:10	3.7	46	11	5.1	0
06/03/2023 16:20	3.2	47	11	4.3	0
06/03/2023 16:30	3.3	49	11	4.4	0
06/03/2023 16:40	2.8	42	12	3.6	0
06/03/2023 16:50	2.1	49	11	3.3	0
06/03/2023 17:00	2.2	48	12	3.1	0
06/03/2023 17:10	1.3	40	16	2.1	0
06/03/2023 17:20	0.5	195	14	1.6	0
06/03/2023 17:30	2	334	6	2.4	0
06/03/2023 17:40	2.3	324	8	2.8	0
06/03/2023 17:50	1.9	304	11	2.6	0
06/03/2023 18:00	1.4	302	11	1.6	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/03/2023 18:10	1.4	315	10	1.9	0
06/03/2023 18:20	1.6	291	10	2	0
06/03/2023 18:30	1.4	263	14	2	0
06/03/2023 18:40	0.9	255	18	1.5	0
06/03/2023 18:50	1.2	286	21	1.7	0
06/03/2023 19:00	1.4	266	16	2.2	0
06/03/2023 19:10	1.3	291	15	1.9	0
06/03/2023 19:20	1.1	321	21	1.6	0
06/03/2023 19:30	1	350	18	1.4	0
06/03/2023 19:40	0.5	306	15	1.1	0
06/03/2023 19:50	1	268	21	1.6	0
06/03/2023 20:00	1.3	304	17	1.6	0
06/03/2023 20:10	1	271	15	1.4	0
06/03/2023 20:20	1.2	298	6	1.6	0
06/03/2023 20:30	0.9	311	14	1.5	0
06/03/2023 20:40	1	301	10	1.4	0
06/03/2023 20:50	1.1	306	7	1.3	0
06/03/2023 21:00	1.3	322	7	1.6	0
06/03/2023 21:10	1.3	301	6	1.6	0
06/03/2023 21:20	0.9	309	11	1.3	0
06/03/2023 21:30	0.1	41	5	0.5	0
06/03/2023 21:40					0
06/03/2023 21:50					0
06/03/2023 22:00					0
06/03/2023 22:10					0
06/03/2023 22:20	0.3	339	28	1.1	0
06/03/2023 22:30	0.6	306	33	1	0
06/03/2023 22:40	0.3	319	6	0.8	0
06/03/2023 22:50					0
06/03/2023 23:00	0.3	187	19	1	0
06/03/2023 23:10	0.3	336	9	1.1	0
06/03/2023 23:20	0.2	318	9	0.6	0
06/03/2023 23:30					0
06/03/2023 23:40	0.1	25	11	0.8	0
06/03/2023 23:50	0.4	18	12	1.2	0
06/04/2023 00:00					0
06/04/2023 00:10	0.4	163	7	0.9	0
06/04/2023 00:20					0
06/04/2023 00:30	0.1	245	23	0.8	0
06/04/2023 00:40	0.4	185	16	0.9	0
06/04/2023 00:50	0.5	213	23	1.2	0
06/04/2023 01:00	0.1	213	9	0.8	0
06/04/2023 01:10					0
06/04/2023 01:20	0.7	238	41	1.4	0
06/04/2023 01:30	1.8	202	23	2.8	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/04/2023 01:40	2.8	198	13	4	0
06/04/2023 01:50	2.9	200	12	4.1	0
06/04/2023 02:00	2.5	198	13	3.5	0
06/04/2023 02:10	2.6	197	10	3.6	0
06/04/2023 02:20	2.1	201	15	2.9	0
06/04/2023 02:30	2.4	190	14	3.5	0
06/04/2023 02:40	2.6	176	16	3.7	0
06/04/2023 02:50	2.4	181	15	3.5	0
06/04/2023 03:00	1.8	169	22	3.2	0
06/04/2023 03:10	2.3	165	17	3.3	0
06/04/2023 03:20	2.3	171	16	3.4	0
06/04/2023 03:30	2.3	169	20	3.6	0
06/04/2023 03:40	2.3	170	17	3.6	0
06/04/2023 03:50	1.2	150	44	2.6	0
06/04/2023 04:00	1	51	69	1.8	0
06/04/2023 04:10	1.3	339	68	2.1	0
06/04/2023 04:20	1.1	343	39	1.8	0
06/04/2023 04:30	1.2	288	21	1.6	0
06/04/2023 04:40	0.4	98	12	1.2	0
06/04/2023 04:50	1	138	47	2.4	0
06/04/2023 05:00	2.6	145	18	3.9	0
06/04/2023 05:10	2.2	149	17	3.6	0
06/04/2023 05:20	1.9	151	24	3.1	0
06/04/2023 05:30	1.7	135	23	2.8	0
06/04/2023 05:40	2.4	120	19	3.5	0
06/04/2023 05:50	2.4	123	17	3.3	0
06/04/2023 06:00	2.2	124	18	3.3	0
06/04/2023 06:10	2	128	19	3.2	0
06/04/2023 06:20	2	119	17	3.2	0
06/04/2023 06:30	2	116	22	3	0
06/04/2023 06:40	2.1	114	17	3.4	0
06/04/2023 06:50	2.2	118	17	3.5	0
06/04/2023 07:00	2.3	126	15	3.5	0
06/04/2023 07:10	2.9	123	16	4	0
06/04/2023 07:20	2.7	120	14	3.7	0
06/04/2023 07:30	2.9	116	16	4.2	0
06/04/2023 07:40	2.7	109	20	4	0
06/04/2023 07:50	3.3	122	15	4.7	0
06/04/2023 08:00	2.9	116	25	4.6	0
06/04/2023 08:10	3.2	117	18	4.8	0
06/04/2023 08:20	3.2	105	20	5.2	0
06/04/2023 08:30	3.2	104	21	5	0
06/04/2023 08:40	3.4	90	18	5.4	0
06/04/2023 08:50	3.9	104	20	6.2	0
06/04/2023 09:00	3.9	93	20	6.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/04/2023 09:10	3.9	95	19	5.6	0
06/04/2023 09:20	3.7	89	17	5.4	0
06/04/2023 09:30	4.7	83	13	6.2	0
06/04/2023 09:40	4.2	85	15	5.9	0
06/04/2023 09:50	3.8	79	13	5.1	0
06/04/2023 10:00	3.9	79	14	5.3	0
06/04/2023 10:10	3.5	79	16	5	0
06/04/2023 10:20	3.8	80	17	5.3	0
06/04/2023 10:30	4.4	82	14	6.1	0
06/04/2023 10:40	4.3	73	16	6.1	0
06/04/2023 10:50	4.8	77	14	6.6	0
06/04/2023 11:00	4.5	74	13	6.4	0
06/04/2023 11:10	4.5	79	15	6.3	0
06/04/2023 11:20	4.6	72	13	6.7	0
06/04/2023 11:30	4.5	69	16	7.1	0
06/04/2023 11:40	4.7	60	14	6.8	0
06/04/2023 11:50	5.1	61	10	6.8	0
06/04/2023 12:00	4.5	63	14	6.5	0
06/04/2023 12:10	4.4	62	15	6.7	0
06/04/2023 12:20	4.7	59	15	6.8	0
06/04/2023 12:30	4.7	56	11	6.4	0
06/04/2023 12:40	5.2	57	12	6.8	0
06/04/2023 12:50	4.7	55	12	6.3	0
06/04/2023 13:00	4.5	58	11	6.1	0
06/04/2023 13:10	4.5	57	12	5.9	0
06/04/2023 13:20	4.6	57	12	6.1	0
06/04/2023 13:30	4.5	59	12	6.3	0
06/04/2023 13:40	4.5	56	12	6	0
06/04/2023 13:50	4.9	61	10	6.2	0
06/04/2023 14:00	4.6	59	12	6.1	0
06/04/2023 14:10	4.4	51	13	5.7	0
06/04/2023 14:20	3.9	52	13	5.6	0
06/04/2023 14:30	3.7	45	14	5.3	0
06/04/2023 14:40	3.6	48	14	4.7	0
06/04/2023 14:50	3.8	52	12	5.2	0
06/04/2023 15:00	3.5	55	14	5	0
06/04/2023 15:10	3.3	49	13	4.8	0
06/04/2023 15:20	3.1	42	13	4.3	0
06/04/2023 15:30	3.4	38	12	4.9	0
06/04/2023 15:40	3.3	39	14	4.5	0
06/04/2023 15:50	3.4	41	12	4.4	0
06/04/2023 16:00	3.2	44	13	4.4	0
06/04/2023 16:10	3	47	13	4.4	0
06/04/2023 16:20	2.9	50	11	4	0
06/04/2023 16:30	2.8	55	12	4	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/04/2023 16:40	2.5	52	14	3.9	0
06/04/2023 16:50	2.6	48	15	3.5	0
06/04/2023 17:00	2.3	43	12	3.3	0
06/04/2023 17:10	1.8	47	14	2.5	0
06/04/2023 17:20	1.7	52	15	2.4	0
06/04/2023 17:30	1.5	60	15	2.2	0
06/04/2023 17:40	1.3	77	19	1.8	0
06/04/2023 17:50	1	98	18	1.5	0
06/04/2023 18:00	0.9	93	16	1.3	0
06/04/2023 18:10	1.1	67	17	1.7	0
06/04/2023 18:20	1.2	33	10	1.6	0
06/04/2023 18:30	1.5	31	10	2	0
06/04/2023 18:40	0.5	51	14	1.2	0
06/04/2023 18:50	0.9	107	17	1.3	0
06/04/2023 19:00	0.8	60	13	1.2	0
06/04/2023 19:10	0.6	48	8	1.1	0
06/04/2023 19:20	0	47	3	0.4	0
06/04/2023 19:30					0
06/04/2023 19:40	0.5	99	7	0.8	0
06/04/2023 19:50	0	15	2	0.6	0
06/04/2023 20:00					0
06/04/2023 20:10	0.1	42	3	0.6	0
06/04/2023 20:20	0	8	0	0.4	0
06/04/2023 20:30					0
06/04/2023 20:40					0
06/04/2023 20:50					0
06/04/2023 21:00	0.1	185	0	0.6	0
06/04/2023 21:10					0
06/04/2023 21:20	0.1	176	3	0.6	0
06/04/2023 21:30					0
06/04/2023 21:40					0
06/04/2023 21:50					0
06/04/2023 22:00					0
06/04/2023 22:10					0
06/04/2023 22:20	0.1	97	4	0.9	0
06/04/2023 22:30					0
06/04/2023 22:40					0
06/04/2023 22:50	0.1	155	5	0.8	0
06/04/2023 23:00	0.5	143	19	1.6	0
06/04/2023 23:10	1	98	17	1.6	0
06/04/2023 23:20	1.7	158	17	2.4	0
06/04/2023 23:30	1.6	157	15	2.4	0
06/04/2023 23:40	1.5	170	18	2.1	0
06/04/2023 23:50	1.5	153	15	2.4	0
06/05/2023 00:00	2.1	169	9	2.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/05/2023 00:10	1.6	156	17	2	0
06/05/2023 00:20	1.7	170	13	2.5	0
06/05/2023 00:30	1.7	164	17	2.4	0
06/05/2023 00:40	0.8	122	19	1.5	0
06/05/2023 00:50	1.3	141	15	2	0
06/05/2023 01:00	1.4	164	16	2	0
06/05/2023 01:10	1.3	161	19	2	0
06/05/2023 01:20	1.2	176	36	2	0
06/05/2023 01:30	0.8	167	59	1.2	0
06/05/2023 01:40	0.8	325	22	1.2	0
06/05/2023 01:50	0.1	76	12	0.7	0
06/05/2023 02:00	0.9	147	27	1.7	0
06/05/2023 02:10	2.1	211	18	3	0
06/05/2023 02:20	2.3	210	19	3.6	0
06/05/2023 02:30	3	199	13	4.2	0
06/05/2023 02:40	3.4	191	12	4.8	0
06/05/2023 02:50	2.8	187	14	3.8	0
06/05/2023 03:00	2.6	177	14	4.1	0
06/05/2023 03:10	2.8	175	12	3.8	0
06/05/2023 03:20	1.9	179	25	3.1	0
06/05/2023 03:30	0.8	306	45	1.6	0
06/05/2023 03:40	1.4	213	35	2.4	0
06/05/2023 03:50	2.6	197	13	3.6	0
06/05/2023 04:00	1.8	127	48	2.9	0
06/05/2023 04:10	1.1	312	23	1.8	0
06/05/2023 04:20	1.2	270	15	1.6	0
06/05/2023 04:30	0.6	163	17	1	0
06/05/2023 04:40	0.3	301	37	0.9	0
06/05/2023 04:50	1.4	244	45	2.4	0
06/05/2023 05:00	2.5	207	10	3	0
06/05/2023 05:10	2.4	202	10	3	0
06/05/2023 05:20	1.9	195	14	2.8	0
06/05/2023 05:30	2.1	187	14	3.6	0
06/05/2023 05:40	2.7	176	13	3.5	0
06/05/2023 05:50	2.3	176	15	3.2	0
06/05/2023 06:00	2.4	179	12	3.5	0
06/05/2023 06:10	2.3	176	16	3.2	0
06/05/2023 06:20	2.5	157	16	3.5	0
06/05/2023 06:30	2.8	165	12	3.7	0
06/05/2023 06:40	2.1	161	17	3.2	0
06/05/2023 06:50	1.4	225	41	2.5	0
06/05/2023 07:00	1.2	201	26	1.7	0
06/05/2023 07:10	0.8	37	20	1.5	0
06/05/2023 07:20	1	42	20	1.4	0
06/05/2023 07:30	1.4	44	12	1.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/05/2023 07:40	1.5	71	11	2	0
06/05/2023 07:50	1.4	58	12	2	0
06/05/2023 08:00	1.2	75	18	1.6	0
06/05/2023 08:10	1.9	50	10	2.4	0
06/05/2023 08:20	1.5	49	15	2	0
06/05/2023 08:30	1.7	65	12	2.2	0
06/05/2023 08:40	1.5	87	13	2	0
06/05/2023 08:50	2	81	15	2.7	0
06/05/2023 09:00	1.9	82	14	2.4	0
06/05/2023 09:10	1.8	99	23	2.7	0
06/05/2023 09:20	1.8	80	18	2.6	0
06/05/2023 09:30	2.1	57	15	2.9	0
06/05/2023 09:40	2.2	55	12	2.8	0
06/05/2023 09:50	2.3	61	14	3.1	0
06/05/2023 10:00	2.4	78	14	3.1	0
06/05/2023 10:10	2.4	78	14	3	0
06/05/2023 10:20	2.5	53	10	3.1	0
06/05/2023 10:30	2.5	64	13	3.2	0
06/05/2023 10:40	2.3	77	15	3	0
06/05/2023 10:50	2.2	76	14	2.9	0
06/05/2023 11:00	2.8	54	11	3.6	0
06/05/2023 11:10	2.4	70	16	3.5	0
06/05/2023 11:20	2.7	62	11	3.3	0
06/05/2023 11:30	2.7	63	10	3.6	0
06/05/2023 11:40	2.3	56	14	3.2	0
06/05/2023 11:50	2.6	54	11	3.6	0
06/05/2023 12:00	2.1	51	18	2.9	0
06/05/2023 12:10	2.3	45	15	3.2	0
06/05/2023 12:20	2.5	51	12	3.6	0
06/05/2023 12:30	2.7	50	14	3.8	0
06/05/2023 12:40	1.7	38	43	3.1	0
06/05/2023 12:50	2.4	282	35	4.2	0
06/05/2023 13:00	3.2	285	22	4.8	0
06/05/2023 13:10	3	291	27	4.9	0
06/05/2023 13:20	2.8	290	26	4	0
06/05/2023 13:30	2.8	286	26	4.7	0
06/05/2023 13:40	3	278	28	4.5	0
06/05/2023 13:50	3	284	25	4.8	0
06/05/2023 14:00	3.1	291	28	5.1	0
06/05/2023 14:10	3.1	284	28	5.1	0
06/05/2023 14:20	3.9	267	19	5.7	0
06/05/2023 14:30	3.5	279	24	5.4	0
06/05/2023 14:40	3.2	282	24	5.2	0
06/05/2023 14:50	3.1	277	26	4.7	0
06/05/2023 15:00	2.9	274	22	4.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/05/2023 15:10	3.3	269	23	4.6	0
06/05/2023 15:20	3.3	286	24	6.1	0
06/05/2023 15:30	2.9	283	24	4.8	0
06/05/2023 15:40	3.1	289	26	5	0
06/05/2023 15:50	3.8	280	25	6.2	0
06/05/2023 16:00	3.3	271	26	5.2	0
06/05/2023 16:10	2.9	253	39	5.2	0
06/05/2023 16:20	3.5	274	28	5.6	0
06/05/2023 16:30	3.2	277	22	5.2	0
06/05/2023 16:40	3.6	276	20	6.3	0
06/05/2023 16:50	3.4	277	20	5.4	0
06/05/2023 17:00	3.2	274	21	5	0
06/05/2023 17:10	3.2	270	37	6.1	0
06/05/2023 17:20	3.5	277	34	6.4	0
06/05/2023 17:30	2.9	270	35	5.6	0
06/05/2023 17:40	2.1	256	51	4.5	0
06/05/2023 17:50	2.6	267	47	5.2	0
06/05/2023 18:00	2.5	250	51	5	0
06/05/2023 18:10	2.4	236	52	4.1	0
06/05/2023 18:20	1.8	226	65	4.2	0
06/05/2023 18:30	1.9	231	36	4.3	0
06/05/2023 18:40	2.1	224	44	5.2	0
06/05/2023 18:50	1.7	233	53	3.2	0
06/05/2023 19:00	1.5	250	56	3	0
06/05/2023 19:10	1.3	220	68	2.9	0
06/05/2023 19:20	1.1	243	75	2.4	0
06/05/2023 19:30	1.1	230	91	2.5	0
06/05/2023 19:40	1.8	223	46	3.2	0
06/05/2023 19:50	1.5	215	72	3.1	0
06/05/2023 20:00	1.6	227	56	3.2	0
06/05/2023 20:10	1.5	220	57	3	0
06/05/2023 20:20	1.4	193	65	3	0
06/05/2023 20:30	1.1	235	76	2.8	0
06/05/2023 20:40	1.2	177	78	2.6	0
06/05/2023 20:50	1.4	225	60	2.7	0
06/05/2023 21:00	1.2	167	33	2.3	0
06/05/2023 21:10	1.2	201	41	2.4	0
06/05/2023 21:20	1	191	59	1.8	0
06/05/2023 21:30	1.1	175	50	2.1	0
06/05/2023 21:40	1.2	187	51	2	0
06/05/2023 21:50	1.2	210	47	2.6	0
06/05/2023 22:00	0.9	193	79	2.4	0
06/05/2023 22:10	1.1	189	56	2	0
06/05/2023 22:20	0.9	179	51	1.8	0
06/05/2023 22:30	1.1	205	60	1.9	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/05/2023 22:40	0.9	226	80	1.7	0
06/05/2023 22:50	0.8	170	77	2.2	0
06/05/2023 23:00	0.8	243	82	2.2	0
06/05/2023 23:10	0.9	195	67	2.4	0
06/05/2023 23:20	1.1	233	58	2	0
06/05/2023 23:30	0.7	226	76	1.2	0
06/05/2023 23:40	0.8	182	68	1.6	0
06/05/2023 23:50	0.8	157	73	1.6	0
06/06/2023 00:00	1	255	54	2.2	0
06/06/2023 00:10	0.9	264	84	2.3	0
06/06/2023 00:20	1.2	207	49	2.4	0
06/06/2023 00:30	1.3	217	64	2.4	0
06/06/2023 00:40	1.5	218	57	2.6	0
06/06/2023 00:50	1.3	199	49	2.6	0
06/06/2023 01:00	1.9	213	35	3.3	0
06/06/2023 01:10	1.9	212	41	3.6	0
06/06/2023 01:20	2.1	203	38	4.3	0
06/06/2023 01:30	2.2	207	33	4.8	0
06/06/2023 01:40	2.5	198	29	4.5	0
06/06/2023 01:50	2.5	207	30	4.4	0
06/06/2023 02:00	2.7	202	23	4.7	0
06/06/2023 02:10	3.3	203	18	5.4	0
06/06/2023 02:20	3.8	205	16	5.2	0
06/06/2023 02:30	3.6	200	14	5.3	0
06/06/2023 02:40	3.4	200	13	4.8	0
06/06/2023 02:50	3.3	204	14	5	0
06/06/2023 03:00	3.3	199	14	5	0
06/06/2023 03:10	3.5	192	15	5	0
06/06/2023 03:20	3.5	192	13	6	0
06/06/2023 03:30	4.3	192	12	6.4	0
06/06/2023 03:40	3.9	190	12	6	0
06/06/2023 03:50	4.3	189	12	6.1	0
06/06/2023 04:00	4	189	13	5.9	0
06/06/2023 04:10	3.8	191	14	5.3	0
06/06/2023 04:20	3.6	192	13	5.2	0
06/06/2023 04:30	3.7	197	15	5.1	0
06/06/2023 04:40	3.5	192	14	4.9	0
06/06/2023 04:50	4.1	189	12	5.9	0
06/06/2023 05:00	3.8	189	13	5.8	0
06/06/2023 05:10	4	190	12	5.5	0
06/06/2023 05:20	3.7	188	13	5.2	0
06/06/2023 05:30	4.3	191	12	5.6	0
06/06/2023 05:40	4	188	12	5.9	0
06/06/2023 05:50	4.4	191	13	6.2	0
06/06/2023 06:00	3.9	194	14	6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/06/2023 06:10	3.5	193	14	5.6	0
06/06/2023 06:20	3.8	193	13	5.6	0
06/06/2023 06:30	3.5	197	14	5.6	0
06/06/2023 06:40	3.6	199	14	5.3	0
06/06/2023 06:50	3.6	202	14	5	0
06/06/2023 07:00	3.3	203	15	4.5	0
06/06/2023 07:10	3.6	204	12	5.1	0
06/06/2023 07:20	3.4	201	14	4.8	0
06/06/2023 07:30	3.7	201	12	4.8	0
06/06/2023 07:40	3.7	202	12	5	0
06/06/2023 07:50	3.6	196	13	5	0
06/06/2023 08:00	3.1	200	15	4.8	0
06/06/2023 08:10	3.7	201	13	4.8	0
06/06/2023 08:20	3.7	201	12	4.8	0
06/06/2023 08:30	4.3	204	10	5.5	0
06/06/2023 08:40	3.7	202	14	5.1	0
06/06/2023 08:50	3.4	206	13	4.4	0
06/06/2023 09:00	2.9	212	13	4	0
06/06/2023 09:10	2.8	211	16	3.9	0
06/06/2023 09:20	3.9	200	13	6.4	0
06/06/2023 09:30	4.7	202	12	6.7	0
06/06/2023 09:40	3.8	197	17	5.6	0
06/06/2023 09:50	3.6	199	15	5.2	0
06/06/2023 10:00	4.1	196	14	6.2	0
06/06/2023 10:10	3.8	197	14	5.6	0
06/06/2023 10:20	3.5	196	13	5.3	0
06/06/2023 10:30	4	196	13	6.3	0
06/06/2023 10:40	3.6	188	17	5.5	0
06/06/2023 10:50	3.6	206	19	6.1	0
06/06/2023 11:00	2.7	204	25	4.6	0
06/06/2023 11:10	3	203	19	4.3	0
06/06/2023 11:20	2.8	206	19	4.6	0
06/06/2023 11:30	3.4	208	23	5.6	0
06/06/2023 11:40	3.4	204	26	5.6	0
06/06/2023 11:50	2.9	201	23	5.1	0
06/06/2023 12:00	3.2	205	26	5	0
06/06/2023 12:10	3.7	208	18	6.1	0
06/06/2023 12:20	3.6	204	21	7	0
06/06/2023 12:30	2.8	238	29	5.2	0
06/06/2023 12:40	3.5	204	26	5.8	0
06/06/2023 12:50	2.9	232	28	5.7	0
06/06/2023 13:00	2.8	246	35	4.5	0
06/06/2023 13:10	2.9	277	32	5.2	0
06/06/2023 13:20	3.3	284	24	5.6	0
06/06/2023 13:30	3.6	285	25	5.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/06/2023 13:40	3.2	288	26	5.3	0
06/06/2023 13:50	3.4	280	26	5.2	0
06/06/2023 14:00	3.5	282	22	5.2	0
06/06/2023 14:10	3.5	287	21	5.3	0
06/06/2023 14:20	3.7	278	25	5.6	0
06/06/2023 14:30	3.9	276	23	5.8	0
06/06/2023 14:40	3.8	293	26	6.1	0
06/06/2023 14:50	3.9	274	22	5.9	0
06/06/2023 15:00	3.6	272	26	5.6	0
06/06/2023 15:10	3.1	270	28	5.2	0
06/06/2023 15:20	3.4	274	25	5.6	0
06/06/2023 15:30	3.7	273	18	5.5	0
06/06/2023 15:40	3.1	283	22	5.5	0
06/06/2023 15:50	3.6	274	25	5.5	0
06/06/2023 16:00	3.5	273	25	5.6	0
06/06/2023 16:10	3.3	273	22	5.8	0
06/06/2023 16:20	4.1	274	19	6.3	0
06/06/2023 16:30	3.4	267	34	5.6	0
06/06/2023 16:40	3.3	270	25	5.4	0
06/06/2023 16:50	2.8	273	30	4.7	0
06/06/2023 17:00	3.5	271	28	5.7	0
06/06/2023 17:10	3.4	272	23	5.7	0
06/06/2023 17:20	2.7	271	37	5.1	0
06/06/2023 17:30	3.1	281	20	4.6	0
06/06/2023 17:40	2	273	45	3.5	0
06/06/2023 17:50	2.3	263	40	4.1	0
06/06/2023 18:00	1.9	276	50	3.6	0
06/06/2023 18:10	1.7	223	67	3.6	0
06/06/2023 18:20	2.2	249	47	4.4	0
06/06/2023 18:30	1.9	219	50	3.6	0
06/06/2023 18:40	2.1	246	49	4.4	0
06/06/2023 18:50	1.9	244	40	4.2	0
06/06/2023 19:00	1.9	241	44	3.7	0
06/06/2023 19:10	1.7	217	51	3.6	0
06/06/2023 19:20	1.7	202	45	3.2	0
06/06/2023 19:30	1.8	246	55	3.3	0
06/06/2023 19:40	2	217	42	4.3	0
06/06/2023 19:50	1.7	229	55	3.6	0
06/06/2023 20:00	1.7	215	40	3.5	0
06/06/2023 20:10	1.8	253	46	3.4	0
06/06/2023 20:20	1.6	216	54	3.3	0
06/06/2023 20:30	1.9	258	45	3.6	0
06/06/2023 20:40	1.9	246	47	4.1	0
06/06/2023 20:50	1.8	192	39	3.4	0
06/06/2023 21:00	2.1	203	32	3.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/06/2023 21:10	2.3	200	36	4.4	0
06/06/2023 21:20	2.3	209	40	5.1	0
06/06/2023 21:30	2.5	212	35	4.6	0
06/06/2023 21:40	2.7	202	30	4.8	0
06/06/2023 21:50	3.1	207	34	5.3	0
06/06/2023 22:00	3	204	29	5.6	0
06/06/2023 22:10	2.5	205	28	4.5	0
06/06/2023 22:20	2.5	204	27	4.8	0
06/06/2023 22:30	2.7	201	25	4.3	0
06/06/2023 22:40	3	198	20	4.8	0
06/06/2023 22:50	3.2	198	20	4.6	0
06/06/2023 23:00	3	196	23	4.8	0
06/06/2023 23:10	2.7	196	26	4.5	0
06/06/2023 23:20	2.5	190	26	4.2	0
06/06/2023 23:30	2.5	188	20	3.8	0
06/06/2023 23:40	3.1	194	15	4.4	0
06/06/2023 23:50	3.1	194	16	4.5	0
06/07/2023 00:00	2.6	201	18	3.8	0
06/07/2023 00:10	2.7	205	14	3.8	0
06/07/2023 00:20	2.6	207	17	3.6	0
06/07/2023 00:30	2.6	206	17	3.6	0
06/07/2023 00:40	2.6	206	15	3.6	0
06/07/2023 00:50	2.7	204	14	3.6	0
06/07/2023 01:00	3	202	14	4.4	0
06/07/2023 01:10	2.9	205	12	3.7	0
06/07/2023 01:20	3.1	205	12	4.4	0
06/07/2023 01:30	3.1	205	13	4.3	0
06/07/2023 01:40	3.1	204	11	4.3	0
06/07/2023 01:50	3.3	200	12	4.8	0
06/07/2023 02:00	3.5	201	10	4.8	0
06/07/2023 02:10	3.4	201	11	4.1	0
06/07/2023 02:20	3.5	202	12	4.7	0
06/07/2023 02:30	3.4	204	11	4.2	0
06/07/2023 02:40	3.2	208	13	4.3	0
06/07/2023 02:50	2.2	218	26	3.6	0
06/07/2023 03:00	2.1	220	29	3.3	0
06/07/2023 03:10	2.3	203	19	3.9	0
06/07/2023 03:20	2.6	209	21	4	0
06/07/2023 03:30	2.6	211	18	4	0
06/07/2023 03:40	3.4	205	15	5	0
06/07/2023 03:50	3.7	203	13	5.1	0
06/07/2023 04:00	3.9	206	13	5.5	0
06/07/2023 04:10	3.9	203	16	5.7	0
06/07/2023 04:20	3.7	207	17	5.4	0
06/07/2023 04:30	3.6	214	17	5.4	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/07/2023 04:40	4.3	206	14	6.1	0
06/07/2023 04:50	4.2	203	14	5.8	0
06/07/2023 05:00	4.1	206	15	5.7	0
06/07/2023 05:10	4	203	14	5.3	0
06/07/2023 05:20	4.4	203	12	5.6	0
06/07/2023 05:30	3.9	202	11	5.4	0
06/07/2023 05:40	4.3	202	12	5.6	0
06/07/2023 05:50	4.6	204	11	6	0
06/07/2023 06:00	4.2	197	14	7	0
06/07/2023 06:10	4.1	199	14	5.9	0
06/07/2023 06:20	3.6	199	12	5.2	0
06/07/2023 06:30	3.9	201	13	5.5	0
06/07/2023 06:40	4.6	196	13	6.8	0
06/07/2023 06:50	4.7	191	12	7	0
06/07/2023 07:00	4.6	195	13	6.8	0
06/07/2023 07:10	4.5	193	12	7.2	0
06/07/2023 07:20	4.8	191	13	6.8	0
06/07/2023 07:30	4.4	192	11	5.9	0
06/07/2023 07:40	4.6	196	11	6.3	0
06/07/2023 07:50	4.4	192	16	6.1	0
06/07/2023 08:00	4.2	196	12	6	0
06/07/2023 08:10	4.2	199	13	5.8	0
06/07/2023 08:20	3.8	187	18	5.5	0
06/07/2023 08:30	4	193	14	6.4	0
06/07/2023 08:40	3.6	191	14	5.3	0
06/07/2023 08:50	3.6	193	15	5.2	0
06/07/2023 09:00	2.3	180	25	4	0
06/07/2023 09:10	1.6	177	36	2.8	0
06/07/2023 09:20	1.8	160	32	3.1	0
06/07/2023 09:30	1.4	175	42	2.4	0
06/07/2023 09:40	1.7	136	43	3.2	0
06/07/2023 09:50	1.9	147	47	3.6	0
06/07/2023 10:00	1.6	98	44	2.7	0
06/07/2023 10:10	1.6	148	39	2.8	0
06/07/2023 10:20	2	106	25	3	0
06/07/2023 10:30	2	100	27	3.4	0
06/07/2023 10:40	2.1	87	26	3.2	0
06/07/2023 10:50	2.6	54	13	3.4	0
06/07/2023 11:00	2.8	36	12	3.6	0
06/07/2023 11:10	2.9	45	12	3.6	0
06/07/2023 11:20	2.5	44	13	3	0
06/07/2023 11:30	2	38	21	3.1	0
06/07/2023 11:40	2.3	40	15	3.2	0
06/07/2023 11:50	2.9	43	16	3.6	0
06/07/2023 12:00	2.9	42	12	3.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/07/2023 12:10	2.5	45	15	3.2	0
06/07/2023 12:20	2.9	49	12	3.6	0
06/07/2023 12:30	2.6	38	15	3.5	0
06/07/2023 12:40	2.9	56	15	3.8	0
06/07/2023 12:50	2.9	45	14	3.7	0
06/07/2023 13:00	2.8	51	9	3.3	0
06/07/2023 13:10	2.8	47	11	3.2	0
06/07/2023 13:20	2.1	56	19	2.8	0
06/07/2023 13:30	2.7	62	11	3.6	0
06/07/2023 13:40	3.1	51	14	4	0
06/07/2023 13:50	3.2	54	9	3.8	0
06/07/2023 14:00	2.8	58	11	3.3	0
06/07/2023 14:10	2.7	48	13	3.4	0
06/07/2023 14:20	2.3	60	14	2.9	0
06/07/2023 14:30	1.7	202	36	2.8	0
06/07/2023 14:40	2.2	312	28	4	0
06/07/2023 14:50	2.5	289	26	4	0
06/07/2023 15:00	2.5	286	24	3.9	0
06/07/2023 15:10	2.3	286	31	4.2	0
06/07/2023 15:20	2.6	298	24	3.8	0
06/07/2023 15:30	2.8	303	14	4.2	0
06/07/2023 15:40	2.4	287	31	4	0
06/07/2023 15:50	2.5	297	27	4.3	0
06/07/2023 16:00	2.3	318	25	3.6	0
06/07/2023 16:10	3.2	329	15	4.7	0
06/07/2023 16:20	3	330	15	4.4	0
06/07/2023 16:30	3.5	342	16	4.5	0
06/07/2023 16:40	3	335	14	4.4	0
06/07/2023 16:50	3.4	338	11	4.5	0
06/07/2023 17:00	3.1	337	15	4.4	0
06/07/2023 17:10	3.2	338	10	4.2	0
06/07/2023 17:20	2.9	338	12	4	0
06/07/2023 17:30	3.1	339	11	4.4	0
06/07/2023 17:40	2.4	339	12	3.6	0
06/07/2023 17:50	2.2	332	13	2.9	0
06/07/2023 18:00	2.2	333	11	2.9	0
06/07/2023 18:10	2.2	331	12	2.8	0
06/07/2023 18:20	1.8	325	13	2.7	0
06/07/2023 18:30	1.3	313	21	2.2	0
06/07/2023 18:40	1.5	317	22	2.4	0
06/07/2023 18:50	1.6	314	17	2.4	0
06/07/2023 19:00	1.9	309	15	2.9	0
06/07/2023 19:10	2	303	13	2.8	0
06/07/2023 19:20	1.9	310	15	2.6	0
06/07/2023 19:30	1.9	309	13	3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/07/2023 19:40	1.6	312	19	2.2	0
06/07/2023 19:50	1.1	321	25	1.9	0
06/07/2023 20:00	1.3	300	31	2.3	0
06/07/2023 20:10	1.1	300	29	1.8	0
06/07/2023 20:20	1.4	254	31	2.4	0
06/07/2023 20:30	1.4	239	28	2.8	0
06/07/2023 20:40	1.7	248	25	2.7	0
06/07/2023 20:50	1.8	249	31	2.9	0
06/07/2023 21:00	1.7	244	33	3	0
06/07/2023 21:10	1.4	227	32	2.5	0
06/07/2023 21:20	1.1	264	59	2	0
06/07/2023 21:30	0.9	227	35	2.4	0
06/07/2023 21:40	1	222	45	2.1	0
06/07/2023 21:50	1.1	256	51	2.3	0
06/07/2023 22:00	1.1	230	58	2.3	0
06/07/2023 22:10	0.9	221	61	1.8	0
06/07/2023 22:20	1	236	43	1.8	0
06/07/2023 22:30	0.9	190	55	1.7	0
06/07/2023 22:40	1	190	20	1.6	0
06/07/2023 22:50	0.9	183	19	1.5	0
06/07/2023 23:00	0.7	182	30	1.5	0
06/07/2023 23:10	1	187	12	1.6	0
06/07/2023 23:20	0.8	194	29	1.6	0
06/07/2023 23:30	1.4	196	11	2	0
06/07/2023 23:40	1.5	195	13	2	0
06/07/2023 23:50	1.5	201	16	2.1	0
06/08/2023 00:00	1.4	197	15	2.1	0
06/08/2023 00:10	1.4	198	19	2	0
06/08/2023 00:20	1.6	193	13	2.2	0
06/08/2023 00:30	1.5	192	12	2.2	0
06/08/2023 00:40	1.3	201	23	2	0
06/08/2023 00:50	1.6	194	15	2.3	0
06/08/2023 01:00	1.4	199	18	2	0
06/08/2023 01:10	1.5	209	15	2.3	0
06/08/2023 01:20	1.1	222	27	1.5	0
06/08/2023 01:30	1.3	209	20	1.9	0
06/08/2023 01:40	1.4	200	9	1.8	0
06/08/2023 01:50	1.7	216	12	2.5	0
06/08/2023 02:00	1.4	168	49	2.1	0
06/08/2023 02:10	2.3	228	18	3.4	0
06/08/2023 02:20	2.4	216	23	3.8	0
06/08/2023 02:30	2.5	192	17	3.6	0
06/08/2023 02:40	2.1	220	36	3	0
06/08/2023 02:50	1.7	280	54	3.2	0
06/08/2023 03:00	1.8	115	50	2.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/08/2023 03:10	1.4	209	67	2.6	0
06/08/2023 03:20	1.3	211	30	1.8	0
06/08/2023 03:30	1	322	36	1.7	0
06/08/2023 03:40	2.9	148	33	5.8	0
06/08/2023 03:50	3.2	152	18	4.8	0
06/08/2023 04:00	2.8	152	15	4	0
06/08/2023 04:10	3	142	21	4.5	0
06/08/2023 04:20	2.7	141	17	4.2	0
06/08/2023 04:30	2.2	151	17	3.1	0
06/08/2023 04:40	2	177	19	3.2	0
06/08/2023 04:50	1.6	138	19	2.8	0
06/08/2023 05:00	1.5	127	20	2.3	0
06/08/2023 05:10	1.4	128	17	2.3	0
06/08/2023 05:20	1.4	149	20	2.4	0
06/08/2023 05:30	1.6	144	22	2.6	0
06/08/2023 05:40	1.5	141	26	2.8	0
06/08/2023 05:50	2.3	153	15	3.8	0
06/08/2023 06:00	2.6	156	23	4.2	0
06/08/2023 06:10	2.4	132	24	3.8	0
06/08/2023 06:20	2.8	112	32	5.3	0
06/08/2023 06:30	2.7	120	33	4.7	0
06/08/2023 06:40	3	114	16	4.4	0
06/08/2023 06:50	1.9	95	24	3.2	0
06/08/2023 07:00	2.2	100	19	3.2	0
06/08/2023 07:10	1.9	109	24	3.6	0
06/08/2023 07:20	1.2	98	34	2	0
06/08/2023 07:30	2.1	107	36	4.3	0
06/08/2023 07:40	1.7	140	39	3.2	0
06/08/2023 07:50	2.5	138	32	4.5	0
06/08/2023 08:00	2.5	126	29	4.2	0
06/08/2023 08:10	1.9	101	30	4.1	0
06/08/2023 08:20	1.9	97	29	3.5	0
06/08/2023 08:30	2.2	118	24	3.8	0
06/08/2023 08:40	2.1	94	31	3.6	0
06/08/2023 08:50	2.5	98	22	4	0
06/08/2023 09:00	3.2	99	26	5.5	0
06/08/2023 09:10	3.2	102	26	5.5	0
06/08/2023 09:20	3.1	105	26	5.2	0
06/08/2023 09:30	2.6	98	31	4.7	0
06/08/2023 09:40	3	109	22	4.9	0
06/08/2023 09:50	2.5	106	23	4.2	0
06/08/2023 10:00	3.7	85	16	6	0
06/08/2023 10:10	3.5	87	16	4.7	0
06/08/2023 10:20	4	82	13	6	0
06/08/2023 10:30	3.9	73	15	5.5	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/08/2023 10:40	3.8	74	14	5.5	0
06/08/2023 10:50	3.7	63	14	5.2	0
06/08/2023 11:00	4.2	59	10	5.3	0
06/08/2023 11:10	4	61	11	5.4	0
06/08/2023 11:20	3.3	68	15	4.9	0
06/08/2023 11:30	3.4	67	17	4.9	0
06/08/2023 11:40	3.5	59	15	5	0
06/08/2023 11:50	4.1	57	11	5.5	0
06/08/2023 12:00	4.1	56	11	5.6	0
06/08/2023 12:10	4.2	58	10	5.6	0
06/08/2023 12:20	3.8	51	12	5.2	0
06/08/2023 12:30	3.6	49	14	4.9	0
06/08/2023 12:40	3.8	48	11	4.9	0
06/08/2023 12:50	3.9	53	11	5.4	0
06/08/2023 13:00	3.8	49	12	5.2	0
06/08/2023 13:10	3.7	50	12	5	0
06/08/2023 13:20	3.5	51	13	4.7	0
06/08/2023 13:30	3.2	47	14	4.4	0
06/08/2023 13:40	3.5	42	13	4.8	0
06/08/2023 13:50	3.7	40	13	5.3	0
06/08/2023 14:00	3.9	42	13	5.4	0
06/08/2023 14:10	3.6	44	14	5	0
06/08/2023 14:20	3.7	41	13	5.1	0
06/08/2023 14:30	3.5	43	11	4.9	0
06/08/2023 14:40	3.6	43	12	4.8	0
06/08/2023 14:50	3.4	42	9	4.5	0
06/08/2023 15:00	2.9	43	12	4.3	0
06/08/2023 15:10	3.1	43	13	4.6	0
06/08/2023 15:20	3.2	42	14	4.7	0
06/08/2023 15:30	3.2	44	12	4.3	0
06/08/2023 15:40	3.2	43	13	4.4	0
06/08/2023 15:50	3	45	13	4.2	0
06/08/2023 16:00	2.8	42	15	4	0
06/08/2023 16:10	2.9	44	11	4	0
06/08/2023 16:20	2.6	47	12	3.6	0
06/08/2023 16:30	2.5	44	14	3.5	0
06/08/2023 16:40	2.4	36	12	3.6	0
06/08/2023 16:50	2.8	28	12	4.2	0
06/08/2023 17:00	2.8	26	15	4.7	0
06/08/2023 17:10	2.4	14	13	3.9	0
06/08/2023 17:20	2.3	23	13	3.2	0
06/08/2023 17:30	1.3	24	16	2.1	0
06/08/2023 17:40	0.4	130	16	1	0
06/08/2023 17:50	0.9	178	10	1.3	0
06/08/2023 18:00	0.6	219	44	1.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/08/2023 18:10	0.7	255	20	1.1	0
06/08/2023 18:20	0.2	316	5	0.8	0
06/08/2023 18:30	0.9	320	13	1.3	0
06/08/2023 18:40	0.6	285	20	1.1	0
06/08/2023 18:50	0.8	297	12	1.2	0
06/08/2023 19:00	0	184	8	0.6	0
06/08/2023 19:10	0.2	330	11	0.6	0
06/08/2023 19:20	0.2	222	23	0.8	0
06/08/2023 19:30	0.5	217	15	1	0
06/08/2023 19:40	0.6	134	18	1.2	0
06/08/2023 19:50	1	234	23	1.5	0
06/08/2023 20:00	1.1	225	16	1.7	0
06/08/2023 20:10	0.7	240	14	1.2	0
06/08/2023 20:20	0.6	248	16	1.3	0
06/08/2023 20:30	0.7	272	13	1.2	0
06/08/2023 20:40	0.8	219	4	1.5	0
06/08/2023 20:50	1.4	228	14	1.8	0
06/08/2023 21:00	2	221	16	2.8	0
06/08/2023 21:10	2.8	215	17	4	0
06/08/2023 21:20	3.1	210	15	4.8	0
06/08/2023 21:30	3.2	211	14	4.2	0
06/08/2023 21:40	2.5	217	14	3.3	0
06/08/2023 21:50	3	211	14	3.9	0
06/08/2023 22:00	3.2	211	12	4.4	0
06/08/2023 22:10	4.6	200	10	6.1	0
06/08/2023 22:20	3.2	208	15	4.4	0
06/08/2023 22:30	3.6	205	14	5.3	0
06/08/2023 22:40	3.5	205	13	5.2	0
06/08/2023 22:50	3.4	207	13	4.7	0
06/08/2023 23:00	3	211	16	4.4	0
06/08/2023 23:10	3.5	204	12	4.8	0
06/08/2023 23:20	2.9	212	13	4.4	0
06/08/2023 23:30	2.9	201	13	3.9	0
06/08/2023 23:40	3.7	182	11	4.8	0
06/08/2023 23:50	2.9	193	27	4.2	0
06/09/2023 00:00	1.2	18	48	2.6	0
06/09/2023 00:10	1.3	7	45	2.2	0
06/09/2023 00:20	1.1	307	64	2	0
06/09/2023 00:30	1.7	270	44	2.8	0
06/09/2023 00:40	1.8	188	42	3.2	0
06/09/2023 00:50	3	183	12	4.4	0
06/09/2023 01:00	4.5	185	12	6	0
06/09/2023 01:10	5	181	11	6.5	0
06/09/2023 01:20	4.8	180	11	6.4	0
06/09/2023 01:30	5.3	185	10	6.6	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/09/2023 01:40	5.3	181	8	6.5	0
06/09/2023 01:50	5	179	10	6.4	0
06/09/2023 02:00	5.2	182	11	6.4	0
06/09/2023 02:10	5.1	180	10	6.4	0
06/09/2023 02:20	5.1	179	11	6.6	0
06/09/2023 02:30	5	180	11	6.8	0
06/09/2023 02:40	5.3	176	13	7.3	0
06/09/2023 02:50	2.7	160	22	3.9	0
06/09/2023 03:00	2.3	173	23	3.4	0
06/09/2023 03:10	1.8	139	28	3.2	0
06/09/2023 03:20	2	148	22	3.4	0
06/09/2023 03:30	1.9	187	22	3.2	0
06/09/2023 03:40	3.3	195	15	5.1	0
06/09/2023 03:50	3.7	197	12	5.4	0
06/09/2023 04:00	3.7	189	17	5.3	0
06/09/2023 04:10	3.1	156	18	4.8	0
06/09/2023 04:20	2.5	134	28	4.9	0
06/09/2023 04:30	2.7	111	24	4.6	0
06/09/2023 04:40	2.5	113	26	4.5	0
06/09/2023 04:50	2	122	30	3.7	0
06/09/2023 05:00	2.1	145	22	4	0
06/09/2023 05:10	1.5	146	28	2.3	0
06/09/2023 05:20	2.2	149	23	3.8	0
06/09/2023 05:30	2.2	143	24	3.4	0
06/09/2023 05:40	2	161	21	3.2	0
06/09/2023 05:50	2.7	191	17	4.3	0
06/09/2023 06:00	2.6	193	17	4.1	0
06/09/2023 06:10	1.9	164	23	3.6	0
06/09/2023 06:20	2.3	141	23	3.8	0
06/09/2023 06:30	2.1	139	22	3.3	0
06/09/2023 06:40	2.2	147	20	3	0
06/09/2023 06:50	2.3	152	22	3.7	0
06/09/2023 07:00	2	141	27	3.3	0
06/09/2023 07:10	2.7	134	25	4.6	0
06/09/2023 07:20	2.8	135	27	4.5	0
06/09/2023 07:30	2.8	144	21	4.7	0
06/09/2023 07:40	2.6	149	27	3.8	0
06/09/2023 07:50	2.4	129	30	4	0
06/09/2023 08:00	3	106	23	5.3	0
06/09/2023 08:10	3.5	112	22	6	0
06/09/2023 08:20	2.8	115	30	4.6	0
06/09/2023 08:30	2.9	114	26	4.4	0
06/09/2023 08:40	3.3	114	22	5.4	0
06/09/2023 08:50	3.2	115	25	5.8	0
06/09/2023 09:00	3.4	122	21	5.7	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/09/2023 09:10	3.2	115	17	5	0
06/09/2023 09:20	3.4	115	18	5	0
06/09/2023 09:30	3	116	23	4.5	0
06/09/2023 09:40	3.7	126	20	5.7	0
06/09/2023 09:50	2.9	118	21	4.8	0
06/09/2023 10:00	2.9	102	24	5.1	0
06/09/2023 10:10	3	106	21	4.4	0
06/09/2023 10:20	3	112	17	4.6	0
06/09/2023 10:30	3.7	80	14	5	0
06/09/2023 10:40	3.8	84	14	5.4	0
06/09/2023 10:50	3.6	80	14	5.4	0
06/09/2023 11:00	3.3	76	14	4.4	0
06/09/2023 11:10	3.3	76	15	4.6	0
06/09/2023 11:20	3.3	55	12	4.2	0
06/09/2023 11:30	3.2	58	16	4.4	0
06/09/2023 11:40	3.6	56	12	4.8	0
06/09/2023 11:50	3.9	62	8	4.8	0
06/09/2023 12:00	3.5	62	10	4.5	0
06/09/2023 12:10	3	55	16	4.6	0
06/09/2023 12:20	3.1	49	15	4.4	0
06/09/2023 12:30	3.3	53	14	4.4	0
06/09/2023 12:40	3.1	49	13	4.2	0
06/09/2023 12:50	3.8	41	13	4.9	0
06/09/2023 13:00	3.2	47	15	4.4	0
06/09/2023 13:10	3.1	48	11	4.4	0
06/09/2023 13:20	3.1	48	14	4.3	0
06/09/2023 13:30	3.2	49	13	4.3	0
06/09/2023 13:40	3.3	47	12	4.5	0
06/09/2023 13:50	3.1	48	13	4	0
06/09/2023 14:00	2.7	51	16	3.5	0
06/09/2023 14:10	3.1	48	14	4.2	0
06/09/2023 14:20	3.4	45	15	4.7	0
06/09/2023 14:30	3.2	47	14	4.6	0
06/09/2023 14:40	3.3	48	13	4.4	0
06/09/2023 14:50	3.2	52	13	4.5	0
06/09/2023 15:00	3	51	14	4.2	0
06/09/2023 15:10	2.8	52	12	3.8	0
06/09/2023 15:20	2.6	52	14	3.5	0
06/09/2023 15:30	2.4	52	14	3.2	0
06/09/2023 15:40	2.1	51	16	3.2	0
06/09/2023 15:50	2.3	51	14	3.1	0
06/09/2023 16:00	2.3	49	12	3.2	0
06/09/2023 16:10	2.2	47	12	3.1	0
06/09/2023 16:20	2	48	14	2.8	0
06/09/2023 16:30	2	50	11	2.6	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/09/2023 16:40	1.4	58	13	2	0
06/09/2023 16:50	0.9	92	17	1.4	0
06/09/2023 17:00	0.9	79	13	1.2	0
06/09/2023 17:10	0.7	79	21	1.2	0
06/09/2023 17:20	1.1	91	17	1.6	0
06/09/2023 17:30	0.4	48	20	0.8	0
06/09/2023 17:40	0.4	133	20	0.8	0
06/09/2023 17:50	0.6	137	17	1	0
06/09/2023 18:00	1	161	18	1.4	0
06/09/2023 18:10	0.5	174	6	1.1	0
06/09/2023 18:20	0.7	56	11	0.9	0
06/09/2023 18:30	1	355	8	1.8	0
06/09/2023 18:40	0.6	155	17	1.2	0
06/09/2023 18:50	1.1	202	11	1.4	0
06/09/2023 19:00	1	195	21	1.6	0
06/09/2023 19:10	1.1	183	15	1.4	0
06/09/2023 19:20	0.7	262	6	2	0
06/09/2023 19:30	0.2	181	4	0.8	0
06/09/2023 19:40	0.3	192	4	0.8	0
06/09/2023 19:50	0	89	0	0.4	0
06/09/2023 20:00					0
06/09/2023 20:10	0.1	94	7	0.6	0
06/09/2023 20:20	0.5	87	7	0.8	0
06/09/2023 20:30					0
06/09/2023 20:40	0.6	340	6	1.2	0
06/09/2023 20:50	0.9	254	19	1.1	0
06/09/2023 21:00	0.4	157	4	0.8	0
06/09/2023 21:10	0.1	168	0	1.1	0
06/09/2023 21:20	0.8	261	9	1.4	0
06/09/2023 21:30	1	260	27	1.3	0
06/09/2023 21:40	0.5	150	13	1	0
06/09/2023 21:50	1.5	195	12	3.7	0
06/09/2023 22:00	2.6	236	20	4.1	0
06/09/2023 22:10	1.5	234	21	2.3	0
06/09/2023 22:20	2.1	216	12	2.8	0
06/09/2023 22:30	0.9	149	47	1.8	0
06/09/2023 22:40	0.7	197	26	1.3	0
06/09/2023 22:50	0.9	182	55	1.6	0
06/09/2023 23:00	0.7	52	23	1	0
06/09/2023 23:10	0.5	347	21	0.9	0
06/09/2023 23:20					0
06/09/2023 23:30	0.2	222	3	0.6	0
06/09/2023 23:40	0.3	57	49	0.8	0
06/09/2023 23:50	1.1	181	30	1.8	0
06/10/2023 00:00	2	241	14	2.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/10/2023 00:10	1.9	222	16	2.5	0
06/10/2023 00:20	1.8	248	22	2.8	0
06/10/2023 00:30	1.7	262	21	2.8	0
06/10/2023 00:40	2.1	229	26	3.2	0
06/10/2023 00:50	1.9	266	26	3.1	0
06/10/2023 01:00	1.9	227	33	3	0
06/10/2023 01:10	2.1	229	30	3.4	0
06/10/2023 01:20	2.6	217	26	3.9	0
06/10/2023 01:30	2.7	209	19	4	0
06/10/2023 01:40	2.9	204	12	4	0
06/10/2023 01:50	2.5	203	16	3.4	0
06/10/2023 02:00	2.6	213	20	4	0
06/10/2023 02:10	2.7	215	17	4.1	0
06/10/2023 02:20	3.1	209	16	4.2	0
06/10/2023 02:30	2.8	199	15	4	0
06/10/2023 02:40	3.3	182	13	5	0
06/10/2023 02:50	3	177	21	4.4	0
06/10/2023 03:00	3.2	178	18	5	0
06/10/2023 03:10	1.4	113	89	3.3	0
06/10/2023 03:20	3.6	196	20	5.7	0
06/10/2023 03:30	5.1	190	11	6.7	0
06/10/2023 03:40	4.2	174	16	5.9	0
06/10/2023 03:50	4.1	176	13	6.2	0
06/10/2023 04:00	4.2	184	14	6.4	0
06/10/2023 04:10	4.7	190	10	6.2	0
06/10/2023 04:20	4.2	185	11	5.8	0
06/10/2023 04:30	4.5	183	12	5.9	0
06/10/2023 04:40	4.2	184	10	5.4	0
06/10/2023 04:50	3.2	189	18	4.8	0
06/10/2023 05:00	2.9	189	15	4	0
06/10/2023 05:10	2.4	192	15	3.6	0
06/10/2023 05:20	1.7	174	23	2.9	0
06/10/2023 05:30	1.9	171	18	2.9	0
06/10/2023 05:40	2.7	172	16	4.2	0
06/10/2023 05:50	2	171	18	2.8	0
06/10/2023 06:00	1.9	168	20	3.1	0
06/10/2023 06:10	1.8	168	20	3.2	0
06/10/2023 06:20	2	177	17	3	0
06/10/2023 06:30	1.7	173	18	2.8	0
06/10/2023 06:40	1	152	21	1.6	0
06/10/2023 06:50	1.1	181	20	2	0
06/10/2023 07:00	1.7	197	14	2.4	0
06/10/2023 07:10	1.9	197	16	2.9	0
06/10/2023 07:20	1	120	31	1.7	0
06/10/2023 07:30	0.3	144	39	0.8	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/10/2023 07:40	1.9	200	16	3.3	0
06/10/2023 07:50	1.9	184	24	3.3	0
06/10/2023 08:00	1.3	162	29	2.4	0
06/10/2023 08:10	1.7	139	23	2.8	0
06/10/2023 08:20	1.7	138	23	2.8	0
06/10/2023 08:30	1.7	156	24	2.6	0
06/10/2023 08:40	1.5	158	37	2.9	0
06/10/2023 08:50	1.4	166	37	2.9	0
06/10/2023 09:00	1.8	138	30	3.5	0
06/10/2023 09:10	2	125	25	3.8	0
06/10/2023 09:20	2.2	151	29	3.9	0
06/10/2023 09:30	1.7	161	32	2.8	0
06/10/2023 09:40	2.4	124	22	3.9	0
06/10/2023 09:50	1.9	127	22	3.1	0
06/10/2023 10:00	1.9	131	21	2.9	0
06/10/2023 10:10	2.2	120	22	3.2	0
06/10/2023 10:20	2	92	33	2.8	0
06/10/2023 10:30	1.6	76	37	2.6	0
06/10/2023 10:40	2	67	21	2.7	0
06/10/2023 10:50	1.4	69	24	2.2	0
06/10/2023 11:00	1.9	54	14	2.5	0
06/10/2023 11:10	1.9	49	10	2.4	0
06/10/2023 11:20	2.3	49	9	2.8	0
06/10/2023 11:30	2.2	63	15	2.8	0
06/10/2023 11:40	2.3	59	14	3	0
06/10/2023 11:50	2.8	60	9	3.4	0
06/10/2023 12:00	2.5	56	16	3.2	0
06/10/2023 12:10	2.6	70	11	3.6	0
06/10/2023 12:20	2.8	51	12	3.8	0
06/10/2023 12:30	2.6	66	15	3.8	0
06/10/2023 12:40	2.5	68	19	3.5	0
06/10/2023 12:50	2.9	64	12	3.8	0
06/10/2023 13:00	3	66	10	3.8	0
06/10/2023 13:10	2.5	61	16	3.4	0
06/10/2023 13:20	3.1	64	9	3.9	0
06/10/2023 13:30	2.9	61	10	3.5	0
06/10/2023 13:40	2.9	60	8	3.4	0
06/10/2023 13:50	2.6	56	16	3.6	0
06/10/2023 14:00	2.4	75	18	3.2	0
06/10/2023 14:10	2.7	47	11	3.8	0
06/10/2023 14:20	2.6	53	14	3.7	0
06/10/2023 14:30	3	55	10	3.8	0
06/10/2023 14:40	2.7	60	12	3.6	0
06/10/2023 14:50	2.6	54	15	3.6	0
06/10/2023 15:00	2.5	75	12	3.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/10/2023 15:10	2.1	57	20	3.6	0
06/10/2023 15:20	2.8	62	13	3.9	0
06/10/2023 15:30	2.9	64	13	4.2	0
06/10/2023 15:40	2.6	54	13	3.7	0
06/10/2023 15:50	2.6	55	13	3.7	0
06/10/2023 16:00	2.3	42	19	3.3	0
06/10/2023 16:10	2.8	183	17	3.6	0
06/10/2023 16:20	3.2	180	19	4.4	0
06/10/2023 16:30	2.7	22	17	3.9	0
06/10/2023 16:40	3.2	352	15	4.4	0
06/10/2023 16:50	3.2	340	14	4.5	0
06/10/2023 17:00	3.2	346	12	4.3	0
06/10/2023 17:10	2.6	339	12	3.3	0
06/10/2023 17:20	2.1	326	13	3.1	0
06/10/2023 17:30	1.8	304	18	2.4	0
06/10/2023 17:40	2	295	24	3.1	0
06/10/2023 17:50	2	291	22	3.1	0
06/10/2023 18:00	2	287	27	3	0
06/10/2023 18:10	2.2	292	24	3.5	0
06/10/2023 18:20	2.2	268	24	3.4	0
06/10/2023 18:30	2.1	270	21	3.2	0
06/10/2023 18:40	1.6	269	40	3.1	0
06/10/2023 18:50	1.3	221	39	2.4	0
06/10/2023 19:00	1.5	264	56	2.9	0
06/10/2023 19:10	1.8	263	45	2.9	0
06/10/2023 19:20	1.5	238	41	2.4	0
06/10/2023 19:30	1.3	252	32	2.4	0
06/10/2023 19:40	1.6	289	36	2.4	0
06/10/2023 19:50	1.7	274	31	2.8	0
06/10/2023 20:00	1.1	215	41	2.5	0
06/10/2023 20:10	1.4	197	28	2	0
06/10/2023 20:20	1.5	203	31	2.3	0
06/10/2023 20:30	1.4	212	38	2.3	0
06/10/2023 20:40	1.2	236	38	2.4	0
06/10/2023 20:50	1	202	45	2.6	0
06/10/2023 21:00	1.7	223	28	3.1	0
06/10/2023 21:10	1.8	229	33	3.6	0
06/10/2023 21:20	2.1	217	35	4.6	0
06/10/2023 21:30	1.3	223	66	2.3	0
06/10/2023 21:40	2.9	203	25	4.5	0
06/10/2023 21:50	3.1	205	15	4.5	0
06/10/2023 22:00	2.1	209	31	4	0
06/10/2023 22:10	1	241	78	2.4	0
06/10/2023 22:20	1.1	330	42	1.9	0
06/10/2023 22:30	1	339	58	1.9	0





Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/10/2023 22:40	1.7	313	21	2.3	0
06/10/2023 22:50	1.6	272	13	2.4	0
06/10/2023 23:00	1.1	286	28	2	0
06/10/2023 23:10	1.2	230	59	2.5	0
06/10/2023 23:20	1.6	306	32	2.4	0
06/10/2023 23:30	2.1	297	12	2.8	0
06/10/2023 23:40	2.1	302	9	2.8	0
06/10/2023 23:50	1.7	298	9	2.4	0
06/11/2023 00:00	0.9	307	31	1.4	0
06/11/2023 00:10	0.9	276	51	1.8	0
06/11/2023 00:20	1.8	206	38	3.6	0
06/11/2023 00:30	2.4	202	24	4.4	0
06/11/2023 00:40	1.6	207	57	3.3	0
06/11/2023 00:50	1.8	219	51	3.7	0
06/11/2023 01:00	1.8	222	47	3.6	0
06/11/2023 01:10	1.8	207	53	3.7	0
06/11/2023 01:20	1.2	235	77	2.8	0
06/11/2023 01:30	1.3	236	76	2.4	0
06/11/2023 01:40	1.4	229	68	3.1	0
06/11/2023 01:50	1.9	254	34	3.5	0
06/11/2023 02:00	2.3	219	29	3.7	0
06/11/2023 02:10	2.9	204	19	4.4	0
06/11/2023 02:20	3.5	200	14	5.1	0
06/11/2023 02:30	3.9	192	12	5.5	0
06/11/2023 02:40	4.5	193	12	6	0
06/11/2023 02:50	4.3	195	11	5.9	0
06/11/2023 03:00	4.2	198	12	5.7	0
06/11/2023 03:10	4.1	197	11	5.8	0
06/11/2023 03:20	4.5	201	9	6	0
06/11/2023 03:30	4.2	198	12	5.5	0
06/11/2023 03:40	3.6	200	16	5.2	0
06/11/2023 03:50	3.9	199	15	5.6	0
06/11/2023 04:00	4.8	195	12	6.4	0
06/11/2023 04:10	5.2	196	9	6.7	0
06/11/2023 04:20	5.1	197	9	6.8	0
06/11/2023 04:30	5	199	9	6.6	0
06/11/2023 04:40	4.2	193	13	5.8	0
06/11/2023 04:50	4.2	197	11	5.7	0
06/11/2023 05:00	4.1	202	13	5.3	0
06/11/2023 05:10	3.2	199	16	5	0
06/11/2023 05:20	3.9	184	13	5.5	0
06/11/2023 05:30	2.5	141	61	4.1	0
06/11/2023 05:40	1.3	104	54	2.9	0
06/11/2023 05:50	1.2	187	45	2	0
06/11/2023 06:00	1.1	320	35	1.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/11/2023 06:10	0.9	344	33	1.3	0
06/11/2023 06:20	0.3	96	7	0.9	0
06/11/2023 06:30	0.3	81	9	0.9	0
06/11/2023 06:40					0
06/11/2023 06:50	0.5	138	31	1.2	0
06/11/2023 07:00	0.6	259	16	1.2	0
06/11/2023 07:10	0.2	87	7	0.9	0
06/11/2023 07:20	0.1	172	20	0.6	0
06/11/2023 07:30	0.5	333	8	1.1	0
06/11/2023 07:40	0.1	323	7	0.9	0
06/11/2023 07:50	0.8	342	12	1.2	0
06/11/2023 08:00	1.4	325	16	2	0
06/11/2023 08:10	1.5	307	27	2.3	0
06/11/2023 08:20	1.7	168	37	2.8	0
06/11/2023 08:30	1.5	240	68	2.4	0
06/11/2023 08:40	1.7	251	40	3.2	0
06/11/2023 08:50	1.6	197	54	3.3	0
06/11/2023 09:00	1.9	197	29	3	0
06/11/2023 09:10	1.6	192	41	2.8	0
06/11/2023 09:20	1.9	205	39	3.2	0
06/11/2023 09:30	1.1	241	28	1.7	0
06/11/2023 09:40	1.8	196	23	3.2	0
06/11/2023 09:50	1.7	191	26	3	0
06/11/2023 10:00	2.3	186	21	3.7	0
06/11/2023 10:10	2.4	198	19	3.8	0
06/11/2023 10:20	2.7	187	18	4	0
06/11/2023 10:30	2.8	182	17	4	0
06/11/2023 10:40	2.4	193	17	3.7	0
06/11/2023 10:50	3	204	15	4.4	0
06/11/2023 11:00	2.4	211	28	4.5	0
06/11/2023 11:10	2.4	207	32	4	0
06/11/2023 11:20	2.9	207	19	4.8	0
06/11/2023 11:30	2.9	212	21	4.3	0
06/11/2023 11:40	2.8	208	26	4.4	0
06/11/2023 11:50	2.4	231	34	4.1	0
06/11/2023 12:00	2.6	278	22	4.3	0
06/11/2023 12:10	2.5	259	25	4.6	0
06/11/2023 12:20	2.8	290	30	4.4	0
06/11/2023 12:30	2.9	274	29	4.9	0
06/11/2023 12:40	3.4	286	22	5.3	0
06/11/2023 12:50	3	274	27	4.8	0
06/11/2023 13:00	3.1	276	23	4.5	0
06/11/2023 13:10	3	269	22	4.6	0
06/11/2023 13:20	3	295	25	5.5	0
06/11/2023 13:30	3	298	25	5.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/11/2023 13:40	3.1	301	22	4.8	0
06/11/2023 13:50	2.8	284	28	5.1	0
06/11/2023 14:00	2.9	286	26	4.6	0
06/11/2023 14:10	2.9	288	26	4.7	0
06/11/2023 14:20	3	292	24	4.4	0
06/11/2023 14:30	2.9	285	23	4.3	0
06/11/2023 14:40	2.8	276	26	4.4	0
06/11/2023 14:50	3.6	282	17	5.2	0
06/11/2023 15:00	3.1	278	26	5.1	0
06/11/2023 15:10	3.4	280	21	5.4	0
06/11/2023 15:20	2.7	275	22	4.4	0
06/11/2023 15:30	2.5	273	25	4.4	0
06/11/2023 15:40	3.3	269	18	4.7	0
06/11/2023 15:50	2.8	278	23	5.1	0
06/11/2023 16:00	2.8	274	23	4.2	0
06/11/2023 16:10	2.9	269	22	4.4	0
06/11/2023 16:20	2.4	270	23	3.7	0
06/11/2023 16:30	2.5	270	25	3.3	0
06/11/2023 16:40	2.8	272	20	4.4	0
06/11/2023 16:50	2.7	271	25	4.5	0
06/11/2023 17:00	2.6	276	23	3.9	0
06/11/2023 17:10	2.2	281	26	3.2	0
06/11/2023 17:20	2.4	269	20	3.7	0
06/11/2023 17:30	2.3	271	22	3.7	0
06/11/2023 17:40	2.4	265	19	4	0
06/11/2023 17:50	2.4	264	22	3.6	0
06/11/2023 18:00	2.6	268	20	3.7	0
06/11/2023 18:10	1.9	278	19	3.1	0
06/11/2023 18:20	2.3	279	14	3.6	0
06/11/2023 18:30	2.3	280	18	3.4	0
06/11/2023 18:40	2.6	271	19	3.6	0
06/11/2023 18:50	2.2	275	22	3.4	0
06/11/2023 19:00	2.5	277	19	3.7	0
06/11/2023 19:10	2.2	273	23	3.9	0
06/11/2023 19:20	2.2	272	23	4.2	0
06/11/2023 19:30	2.1	274	23	3.6	0
06/11/2023 19:40	2.2	273	23	3.6	0
06/11/2023 19:50	1.8	279	25	3.1	0
06/11/2023 20:00	1.8	284	22	3.3	0
06/11/2023 20:10	2.1	267	24	3.5	0
06/11/2023 20:20	2	267	25	3.4	0
06/11/2023 20:30	1.9	268	23	3.3	0
06/11/2023 20:40	2.1	266	27	3.2	0
06/11/2023 20:50	2.2	267	25	3.6	0
06/11/2023 21:00	2.3	258	26	3.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/11/2023 21:10	2.2	258	26	3.6	0
06/11/2023 21:20	1.9	253	32	3.2	0
06/11/2023 21:30	1.9	265	22	3	0
06/11/2023 21:40	2	258	27	3.2	0
06/11/2023 21:50	1.8	260	29	3.2	0
06/11/2023 22:00	2.1	266	25	3.2	0
06/11/2023 22:10	1.7	251	49	2.9	0
06/11/2023 22:20	1.1	267	59	2.4	0
06/11/2023 22:30	1.5	277	30	2.5	0
06/11/2023 22:40	1.6	281	33	2.5	0
06/11/2023 22:50	1.1	276	50	2	0
06/11/2023 23:00	1.1	277	38	2.1	0
06/11/2023 23:10	0.6	164	54	1.4	0
06/11/2023 23:20	0.8	185	84	2	0
06/11/2023 23:30	0.7	64	70	1.5	0
06/11/2023 23:40	0.4	114	66	1	0
06/11/2023 23:50	0.5	207	76	1.2	0
06/12/2023 00:00	0.3	208	52	1.2	0
06/12/2023 00:10	0.8	202	63	1.8	0
06/12/2023 00:20	0.8	281	51	1.8	0
06/12/2023 00:30	1.2	244	51	2.9	0
06/12/2023 00:40	1.1	221	53	2	0
06/12/2023 00:50	1.1	247	48	2	0
06/12/2023 01:00	1.4	249	33	2.4	0
06/12/2023 01:10	1.7	247	34	2.8	0
06/12/2023 01:20	1.8	243	32	3.2	0
06/12/2023 01:30	1.4	241	29	2.4	0
06/12/2023 01:40	1.9	247	23	3.1	0
06/12/2023 01:50	1.6	228	33	3.2	0
06/12/2023 02:00	2.6	213	25	4.4	0
06/12/2023 02:10	3.4	208	20	5.3	0
06/12/2023 02:20	4.1	208	16	5.7	0
06/12/2023 02:30	4.2	203	12	5.3	0
06/12/2023 02:40	4.3	203	10	5.4	0
06/12/2023 02:50	4.6	202	12	5.7	0
06/12/2023 03:00	4.5	203	12	5.9	0
06/12/2023 03:10	4.9	203	8	6.2	0
06/12/2023 03:20	4.4	202	10	5.6	0
06/12/2023 03:30	4.7	202	10	6	0
06/12/2023 03:40	4.5	198	10	5.6	0
06/12/2023 03:50	4.8	197	11	6.5	0
06/12/2023 04:00	4.9	195	10	7.2	0
06/12/2023 04:10	5.2	193	11	7	0
06/12/2023 04:20	5	189	12	6.8	0
06/12/2023 04:30	5.2	191	11	7.2	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/12/2023 04:40	5.2	193	10	6.6	0
06/12/2023 04:50	5.5	194	9	7.2	0
06/12/2023 05:00	5.5	194	10	7	0
06/12/2023 05:10	5.5	192	9	6.8	0
06/12/2023 05:20	5.4	194	12	7.5	0
06/12/2023 05:30	5.1	193	10	6.9	0
06/12/2023 05:40	4.8	194	11	6.5	0
06/12/2023 05:50	5.4	193	12	7.7	0
06/12/2023 06:00	5.4	191	13	6.9	0
06/12/2023 06:10	5.5	193	11	7.4	0
06/12/2023 06:20	5.5	193	11	7.5	0
06/12/2023 06:30	5.7	192	11	7.2	0
06/12/2023 06:40	5.6	197	10	6.9	0
06/12/2023 06:50	5.3	194	10	7.2	0
06/12/2023 07:00	5	195	11	7	0
06/12/2023 07:10	5.3	193	11	7.1	0
06/12/2023 07:20	5.2	194	13	7.5	0
06/12/2023 07:30	3.6	182	21	6	0
06/12/2023 07:40	2.4	139	29	3.6	0
06/12/2023 07:50	2.6	149	26	4.6	0
06/12/2023 08:00	2.9	122	25	5.3	0
06/12/2023 08:10	2.7	127	25	5	0
06/12/2023 08:20	2.8	109	24	4.8	0
06/12/2023 08:30	3	112	21	4.7	0
06/12/2023 08:40	2.6	108	24	4.7	0
06/12/2023 08:50	3	110	17	4.4	0
06/12/2023 09:00	2.7	103	18	4.4	0
06/12/2023 09:10	2.7	99	19	4	0
06/12/2023 09:20	2.9	84	15	4	0
06/12/2023 09:30	2.7	78	14	3.8	0
06/12/2023 09:40	2.9	85	13	4	0
06/12/2023 09:50	2.9	78	17	4.5	0
06/12/2023 10:00	3.3	74	12	4.5	0
06/12/2023 10:10	3.7	75	13	5.3	0
06/12/2023 10:20	3.6	75	15	4.9	0
06/12/2023 10:30	3.7	71	14	5.2	0
06/12/2023 10:40	3.6	74	14	4.8	0
06/12/2023 10:50	3.4	77	16	4.8	0
06/12/2023 11:00	3	75	15	4.3	0
06/12/2023 11:10	2.6	78	16	4	0
06/12/2023 11:20	2.6	77	15	3.8	0
06/12/2023 11:30	2.8	64	15	3.7	0
06/12/2023 11:40	2.9	49	13	4.3	0
06/12/2023 11:50	2.9	48	12	3.8	0
06/12/2023 12:00	3.2	46	13	4.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/12/2023 12:10	3	53	16	3.9	0
06/12/2023 12:20	2.9	51	17	3.7	0
06/12/2023 12:30	2.8	52	16	3.6	0
06/12/2023 12:40	2.7	46	16	3.8	0
06/12/2023 12:50	2.8	48	17	4	0
06/12/2023 13:00	2.9	51	14	4	0
06/12/2023 13:10	3.1	48	17	4.4	0
06/12/2023 13:20	3.2	46	13	4.8	0
06/12/2023 13:30	3.3	45	14	4.8	0
06/12/2023 13:40	3.9	45	15	5.3	0
06/12/2023 13:50	3.8	47	13	5.3	0
06/12/2023 14:00	3.8	46	14	5.4	0
06/12/2023 14:10	3.5	45	14	5.2	0
06/12/2023 14:20	3.3	45	17	4.6	0
06/12/2023 14:30	3.6	43	12	5.3	0
06/12/2023 14:40	3.3	42	16	4.7	0
06/12/2023 14:50	3.6	45	15	5.1	0
06/12/2023 15:00	3.3	43	15	4.4	0
06/12/2023 15:10	3.2	40	15	4.7	0
06/12/2023 15:20	3.6	42	14	5	0
06/12/2023 15:30	3.5	40	12	4.6	0
06/12/2023 15:40	3	41	15	4.3	0
06/12/2023 15:50	3.3	39	13	5	0
06/12/2023 16:00	3.1	41	15	4.5	0
06/12/2023 16:10	2.8	41	14	4.1	0
06/12/2023 16:20	2.9	40	12	4	0
06/12/2023 16:30	2.8	39	14	4.1	0
06/12/2023 16:40	2.5	43	15	3.8	0
06/12/2023 16:50	2.3	27	16	3.9	0
06/12/2023 17:00	2.1	32	15	3.1	0
06/12/2023 17:10	1.4	64	14	2.3	0
06/12/2023 17:20	1.2	70	17	1.7	0
06/12/2023 17:30	0.2	78	6	0.8	0
06/12/2023 17:40	0.4	320	7	1.1	0
06/12/2023 17:50	1.3	331	11	1.7	0
06/12/2023 18:00	1.7	329	9	2.4	0
06/12/2023 18:10	1.3	330	13	1.6	0
06/12/2023 18:20	1.2	309	12	1.9	0
06/12/2023 18:30	1.1	307	11	1.7	0
06/12/2023 18:40	1.6	230	26	2.6	0
06/12/2023 18:50	1.3	270	30	2.4	0
06/12/2023 19:00	1.7	243	17	2.6	0
06/12/2023 19:10	1.5	235	22	2.4	0
06/12/2023 19:20	1.3	215	28	2.1	0
06/12/2023 19:30	0.9	224	40	2.1	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
06/12/2023 19:40	1.2	212	24	1.7	0
06/12/2023 19:50	1	197	36	1.7	0
06/12/2023 20:00	1	246	26	2	0
06/12/2023 20:10	0.9	253	49	1.9	0
06/12/2023 20:20	1.5	205	27	2	0
06/12/2023 20:30	1.3	202	30	2.3	0
06/12/2023 20:40	1.4	219	37	2.4	0
06/12/2023 20:50	1.7	209	22	2.5	0
06/12/2023 21:00	1.7	214	17	2.5	0
06/12/2023 21:10	1.8	224	23	2.8	0
06/12/2023 21:20	1.8	221	20	2.8	0
06/12/2023 21:30	1.6	237	33	2.4	0
06/12/2023 21:40	1.4	223	30	2.2	0
06/12/2023 21:50	0.6	181	43	1.6	0
06/12/2023 22:00	1	327	38	1.4	0
06/12/2023 22:10	0.6	324	56	1.1	0
06/12/2023 22:20	1	341	35	1.6	0
06/12/2023 22:30	0.1	12	2	0.7	0
06/12/2023 22:40	0.9	265	60	1.5	0
06/12/2023 22:50	0.7	217	43	1.5	0
06/12/2023 23:00	1.2	222	54	2.6	0
06/12/2023 23:10	2	203	21	2.8	0
06/12/2023 23:20	2.6	204	15	3.6	0
06/12/2023 23:30	1.1	253	45	2.3	0
06/12/2023 23:40	1.2	252	36	2	0
06/12/2023 23:50	0.9	19	43	2	0
13/06/2023 00:00	0.3	49	12	0.9	0
13/06/2023 00:10	0.6	275	34	1.4	0
13/06/2023 00:20	1	149	39	1.6	0
13/06/2023 00:30	0.8	67	41	1.2	0
13/06/2023 00:40	0.7	163	19	1.2	0
13/06/2023 00:50	0.8	59	20	1.4	0
13/06/2023 01:00	0.7	140	56	1.2	0
13/06/2023 01:10	1.5	233	44	2.6	0
13/06/2023 01:20	2.5	107	53	3.9	0
13/06/2023 01:30	3	176	26	4.4	0
13/06/2023 01:40	3.3	163	35	5.2	0
13/06/2023 01:50	3.2	168	25	4.8	0
13/06/2023 02:00	2.1	151	25	3.8	0
13/06/2023 02:10	1.7	160	21	2.9	0
13/06/2023 02:20	1.9	143	23	2.9	0
13/06/2023 02:30	2	133	24	3.2	0
13/06/2023 02:40	2	127	25	3.6	0
13/06/2023 02:50	2.6	123	22	4.2	0
13/06/2023 03:00	2.7	129	24	4.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/06/2023 03:10	2.4	117	21	4	0
13/06/2023 03:20	2.7	136	26	4.9	0
13/06/2023 03:30	3.5	115	24	7.2	0
13/06/2023 03:40	3.3	118	19	5.2	0
13/06/2023 03:50	2.8	92	22	5.1	0
13/06/2023 04:00	3.1	100	20	5.3	0
13/06/2023 04:10	2.9	100	25	4.8	0
13/06/2023 04:20	3.5	87	19	5.3	0
13/06/2023 04:30	3.2	108	20	5.3	0
13/06/2023 04:40	3.5	121	19	5.4	0
13/06/2023 04:50	3.5	122	24	5.6	0
13/06/2023 05:00	3.2	114	19	5.5	0
13/06/2023 05:10	3.1	118	21	5.1	0
13/06/2023 05:20	4.2	113	23	6	0
13/06/2023 05:30	4.6	115	21	7.9	0
13/06/2023 05:40	5	116	18	7.7	0
13/06/2023 05:50	4.9	112	23	8.1	0
13/06/2023 06:00	4.4	106	21	7.2	0
13/06/2023 06:10	4.4	104	21	7.6	0
13/06/2023 06:20	4	97	21	6.4	0
13/06/2023 06:30	4.4	108	22	7.9	0
13/06/2023 06:40	4.4	112	19	7.2	0
13/06/2023 06:50	4.8	119	21	7.9	0
13/06/2023 07:00	4.2	109	21	7	0
13/06/2023 07:10	4.5	112	23	8.4	0
13/06/2023 07:20	4.8	106	21	7.5	0
13/06/2023 07:30	4.6	105	21	7.4	0
13/06/2023 07:40	5	110	22	7.9	0
13/06/2023 07:50	4.6	106	27	7.5	0
13/06/2023 08:00	4.5	99	23	8.3	0
13/06/2023 08:10	5.2	88	19	7.7	0
13/06/2023 08:20	4.7	85	17	7.4	0
13/06/2023 08:30	4.6	93	19	7.3	0
13/06/2023 08:40	4.5	92	19	6.5	0
13/06/2023 08:50	4.8	89	16	6.9	0
13/06/2023 09:00	4.9	91	14	7.2	0
13/06/2023 09:10	5	88	14	7.9	0
13/06/2023 09:20	5	91	18	7.5	0
13/06/2023 09:30	4.9	92	19	7.3	0
13/06/2023 09:40	4.8	91	18	7.5	0
13/06/2023 09:50	4.9	88	16	7.6	0
13/06/2023 10:00	5.5	87	16	8.3	0
13/06/2023 10:10	5.5	87	15	7.4	0
13/06/2023 10:20	5.2	85	15	7.4	0
13/06/2023 10:30	5.3	84	13	6.8	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/06/2023 10:40	4.8	80	14	6.8	0
13/06/2023 10:50	5	74	16	6.8	0
13/06/2023 11:00	4.9	72	14	6.7	0
13/06/2023 11:10	4.8	71	16	7.2	0
13/06/2023 11:20	4.6	73	14	6.4	0
13/06/2023 11:30	4.8	75	13	6.6	0
13/06/2023 11:40	4.8	56	13	6.8	0
13/06/2023 11:50	4.6	58	11	6.7	0
13/06/2023 12:00	5.2	60	10	7	0
13/06/2023 12:10	5.1	59	11	6.8	0
13/06/2023 12:20	5.4	60	11	7.7	0
13/06/2023 12:30	4.8	57	12	6.4	0
13/06/2023 12:40	4.6	57	12	6.2	0
13/06/2023 12:50	4.6	57	12	6	0
13/06/2023 13:00	4.7	55	12	6.2	0
13/06/2023 13:10	4.5	54	12	6.7	0
13/06/2023 13:20	4.9	58	13	6.4	0
13/06/2023 13:30	4.6	53	12	6.4	0
13/06/2023 13:40	4.6	55	12	6.6	0
13/06/2023 13:50	4.2	52	12	6	0
13/06/2023 14:00	4.2	55	13	6.1	0
13/06/2023 14:10	4.2	55	12	5.5	0
13/06/2023 14:20	3.8	48	13	4.7	0
13/06/2023 14:30	3.7	53	15	5.1	0
13/06/2023 14:40	3.4	55	11	4.9	0
13/06/2023 14:50	3.5	59	10	4.5	0
13/06/2023 15:00	3.3	60	12	4.6	0
13/06/2023 15:10	3.2	51	12	4.3	0
13/06/2023 15:20	3	59	12	4	0
13/06/2023 15:30	2.6	58	13	3.7	0
13/06/2023 15:40	2.9	50	12	3.9	0
13/06/2023 15:50	2.7	55	11	3.7	0
13/06/2023 16:00	2.1	67	17	2.8	0
13/06/2023 16:10	1.8	72	17	2.4	0
13/06/2023 16:20	2.1	63	17	3	0
13/06/2023 16:30	2.5	46	14	3.6	0
13/06/2023 16:40	2	49	14	2.8	0
13/06/2023 16:50	1.8	49	16	2.8	0
13/06/2023 17:00	1.9	61	16	2.8	0
13/06/2023 17:10	1.4	81	18	2.4	0
13/06/2023 17:20	1.3	62	18	2.2	0
13/06/2023 17:30	1.3	67	16	1.8	0
13/06/2023 17:40	1	90	17	1.6	0
13/06/2023 17:50	0.6	74	16	1.2	0
13/06/2023 18:00	0.3	84	17	0.9	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
13/06/2023 18:10	0.4	82	52	1.2	0
13/06/2023 18:20	0.9	199	20	1.5	0
13/06/2023 18:30	0.7	199	21	1.2	0
13/06/2023 18:40	0.3	211	11	0.9	0
13/06/2023 18:50	0.4	204	19	1.1	0
13/06/2023 19:00	1	120	26	1.6	0
13/06/2023 19:10	0.2	100	7	0.8	0
13/06/2023 19:20	0.4	136	17	0.8	0
13/06/2023 19:30	0.4	97	11	0.8	0
13/06/2023 19:40	0.1	135	18	0.6	0
13/06/2023 19:50	0.1	153	3	0.7	0
13/06/2023 20:00	0.6	169	15	1	0
13/06/2023 20:10	0.9	163	22	1.2	0
13/06/2023 20:20	0.3	100	9	0.9	0
13/06/2023 20:30	0.9	81	11	1.3	0
13/06/2023 20:40	0.2	100	6	0.8	0
13/06/2023 20:50	0	179	1	0.6	0
13/06/2023 21:00	0.3	145	5	0.7	0
13/06/2023 21:10	0.1	152	4	0.4	0
13/06/2023 21:20	0	99	0	0.4	0
13/06/2023 21:30	0.3	76	8	0.7	0
13/06/2023 21:40	0.2	346	9	0.8	0
13/06/2023 21:50	0.4	16	21	1.1	0
13/06/2023 22:00	0.4	85	15	1.1	0
13/06/2023 22:10	0.5	93	39	1.5	0
13/06/2023 22:20	0.5	297	19	0.8	0
13/06/2023 22:30	0.4	248	68	0.8	0
13/06/2023 22:40	1.2	195	24	2	0
13/06/2023 22:50	0.5	124	55	1	0
13/06/2023 23:00	0.9	344	67	1.5	0
13/06/2023 23:10	0.9	177	38	1.3	0
13/06/2023 23:20	0.3	17	5	1.4	0
13/06/2023 23:30	0.2	72	4	1.1	0
13/06/2023 23:40	0.7	179	5	1.4	0
13/06/2023 23:50	0.7	170	26	1.4	0
14/06/2023 00:00	0.5	196	15	1	0
14/06/2023 00:10	0.4	299	25	0.9	0
14/06/2023 00:20	0.5	68	54	1.2	0
14/06/2023 00:30	1	336	16	1.7	0
14/06/2023 00:40	0.8	342	29	1.5	0
14/06/2023 00:50	0.7	186	35	1.3	0
14/06/2023 01:00	0.5	256	31	1.2	0
14/06/2023 01:10	0.7	151	49	1.3	0
14/06/2023 01:20	0.3	327	34	0.8	0
14/06/2023 01:30	0.5	305	49	0.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/06/2023 01:40	0.8	288	14	1.5	0
14/06/2023 01:50	1.2	282	13	1.6	0
14/06/2023 02:00	0.6	72	34	1.2	0
14/06/2023 02:10	0.3	52	7	1.1	0
14/06/2023 02:20	0.7	334	35	1.2	0
14/06/2023 02:30	0.4	324	15	1	0
14/06/2023 02:40					0
14/06/2023 02:50	3.3	188	16	5.6	0
14/06/2023 03:00	3.9	194	12	5.3	0
14/06/2023 03:10	4.5	188	10	6	0
14/06/2023 03:20	4.9	185	12	7	0
14/06/2023 03:30	5.1	187	12	6.8	0
14/06/2023 03:40	4.4	185	13	6	0
14/06/2023 03:50	3.6	182	14	5.2	0
14/06/2023 04:00	3	174	16	4.9	0
14/06/2023 04:10	2.9	172	22	4.1	0
14/06/2023 04:20	2.7	153	17	4.2	0
14/06/2023 04:30	2	144	20	3.3	0
14/06/2023 04:40	2	147	20	3.1	0
14/06/2023 04:50	2.5	159	20	3.8	0
14/06/2023 05:00	2.4	153	17	3.8	0
14/06/2023 05:10	2.4	151	20	3.5	0
14/06/2023 05:20	2.4	144	21	4.2	0
14/06/2023 05:30	2.2	146	20	3.4	0
14/06/2023 05:40	2.3	143	19	3.6	0
14/06/2023 05:50	2.1	143	22	3.6	0
14/06/2023 06:00	2.5	154	18	3.9	0
14/06/2023 06:10	1.8	152	21	2.7	0
14/06/2023 06:20	2.2	161	23	3.7	0
14/06/2023 06:30	2.2	146	19	3.7	0
14/06/2023 06:40	2.4	157	17	4.4	0
14/06/2023 06:50	2.8	151	25	4.8	0
14/06/2023 07:00	2.3	139	23	4.2	0
14/06/2023 07:10	2.6	137	27	4.1	0
14/06/2023 07:20	2.8	151	22	4.5	0
14/06/2023 07:30	2.4	154	17	4.2	0
14/06/2023 07:40	3	157	17	4.9	0
14/06/2023 07:50	3.1	153	18	4.8	0
14/06/2023 08:00	2.9	135	23	4.8	0
14/06/2023 08:10	2.7	130	24	6.1	0
14/06/2023 08:20	2.8	118	23	4.2	0
14/06/2023 08:30	3.2	109	24	5.5	0
14/06/2023 08:40	2.4	106	29	4.4	0
14/06/2023 08:50	2.6	112	31	5	0
14/06/2023 09:00	2.9	128	30	5.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/06/2023 09:10	2.8	117	28	5	0
14/06/2023 09:20	3	118	25	5	0
14/06/2023 09:30	2.9	115	21	4.8	0
14/06/2023 09:40	2.9	124	25	4.8	0
14/06/2023 09:50	2.9	116	19	4	0
14/06/2023 10:00	2.9	118	15	4.5	0
14/06/2023 10:10	2.7	120	15	3.7	0
14/06/2023 10:20	2.3	116	22	3.5	0
14/06/2023 10:30	2.7	83	18	4	0
14/06/2023 10:40	2.8	80	13	3.8	0
14/06/2023 10:50	2.6	72	17	4.1	0
14/06/2023 11:00	2.8	70	13	4	0
14/06/2023 11:10	2.9	64	11	4.2	0
14/06/2023 11:20	3	58	12	4	0
14/06/2023 11:30	2.8	51	15	4	0
14/06/2023 11:40	3	61	13	4	0
14/06/2023 11:50	2.6	57	16	3.5	0
14/06/2023 12:00	3	42	15	4.2	0
14/06/2023 12:10	3	44	15	4.1	0
14/06/2023 12:20	3	47	16	4.2	0
14/06/2023 12:30	2.6	53	17	3.6	0
14/06/2023 12:40	3.4	48	15	4.7	0
14/06/2023 12:50	3.4	44	15	4.8	0
14/06/2023 13:00	3.6	47	13	5	0
14/06/2023 13:10	3.8	44	13	5.4	0
14/06/2023 13:20	3.5	43	16	5.2	0
14/06/2023 13:30	3.7	43	12	5.1	0
14/06/2023 13:40	3.4	45	15	4.9	0
14/06/2023 13:50	3.6	42	14	5	0
14/06/2023 14:00	3.8	42	13	5.2	0
14/06/2023 14:10	3.8	44	14	5.2	0
14/06/2023 14:20	3.5	41	13	4.8	0
14/06/2023 14:30	3.7	44	14	4.8	0
14/06/2023 14:40	4	48	12	5.6	0
14/06/2023 14:50	3.7	44	15	4.8	0
14/06/2023 15:00	3.4	42	14	4.5	0
14/06/2023 15:10	2.9	48	15	4	0
14/06/2023 15:20	2.7	52	15	3.6	0
14/06/2023 15:30	2.9	51	15	4	0
14/06/2023 15:40	2.8	53	14	3.8	0
14/06/2023 15:50	2.4	57	13	3.2	0
14/06/2023 16:00	2.2	53	11	2.9	0
14/06/2023 16:10	2.3	49	14	3	0
14/06/2023 16:20	2	55	13	2.9	0
14/06/2023 16:30	1.7	61	13	2.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
14/06/2023 16:40	1.9	61	12	2.8	0
14/06/2023 16:50	1.4	58	17	2	0
14/06/2023 17:00	1.7	180	22	2.8	0
14/06/2023 17:10	2.7	337	13	3.9	0
14/06/2023 17:20	1.9	332	13	2.8	0
14/06/2023 17:30	1.5	309	17	2	0
14/06/2023 17:40	1.5	306	12	2.2	0
14/06/2023 17:50	1.4	308	13	1.9	0
14/06/2023 18:00	1.2	285	14	2	0
14/06/2023 18:10	1.7	306	11	2.3	0
14/06/2023 18:20	1.2	311	21	1.9	0
14/06/2023 18:30	1.7	314	13	2.4	0
14/06/2023 18:40	1	309	19	1.6	0
14/06/2023 18:50	0.9	301	20	1.3	0
14/06/2023 19:00	1.5	267	23	2.1	0
14/06/2023 19:10	1.6	282	17	2.3	0
14/06/2023 19:20	1.3	252	26	1.9	0
14/06/2023 19:30	1.4	283	17	2	0
14/06/2023 19:40	1.7	253	18	2.7	0
14/06/2023 19:50	1.4	254	24	2.1	0
14/06/2023 20:00	1.7	263	15	2.3	0
14/06/2023 20:10	1.6	255	28	2.6	0
14/06/2023 20:20	1.4	250	19	2	0
14/06/2023 20:30	1.2	249	22	1.9	0
14/06/2023 20:40	1.2	243	17	2	0
14/06/2023 20:50	2.8	201	11	4.4	0
14/06/2023 21:00	2.1	203	15	4	0
14/06/2023 21:10	2.3	219	28	3.6	0
14/06/2023 21:20	2	211	17	3.1	0
14/06/2023 21:30	2.1	210	15	3	0
14/06/2023 21:40	2.2	226	17	2.8	0
14/06/2023 21:50	2	212	17	2.9	0
14/06/2023 22:00	1.5	219	26	2.3	0
14/06/2023 22:10	1.5	211	23	2.2	0
14/06/2023 22:20	1.7	217	16	2.4	0
14/06/2023 22:30	1.2	268	25	1.8	0
14/06/2023 22:40	1	176	46	1.6	0
14/06/2023 22:50	0.5	175	9	1.3	0
14/06/2023 23:00	0.3	198	13	0.8	0
14/06/2023 23:10	0.8	137	50	1.2	0
14/06/2023 23:20	0.8	291	27	1	0
14/06/2023 23:30	0.8	191	62	1.8	0
14/06/2023 23:40	0.7	247	20	1.4	0
14/06/2023 23:50	1.1	266	33	1.6	0
15/06/2023 00:00	1.1	159	58	2.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/06/2023 00:10	2.2	235	21	3.2	0
15/06/2023 00:20	1.4	252	41	2.9	0
15/06/2023 00:30	1.7	207	26	2.8	0
15/06/2023 00:40	1.3	199	27	2.2	0
15/06/2023 00:50	0.8	178	14	1.4	0
15/06/2023 01:00	1.6	259	29	2.3	0
15/06/2023 01:10	1.1	167	59	1.7	0
15/06/2023 01:20	0.6	94	28	1.2	0
15/06/2023 01:30	0.4	56	30	1	0
15/06/2023 01:40	0.3	138	26	0.9	0
15/06/2023 01:50	0.4	354	17	1.4	0
15/06/2023 02:00	0.9	350	56	2.1	0
15/06/2023 02:10	1.5	246	46	2.8	0
15/06/2023 02:20	0.8	160	33	1.5	0
15/06/2023 02:30	1.4	206	54	2.8	0
15/06/2023 02:40	3.4	197	11	4.4	0
15/06/2023 02:50	3.9	197	9	5	0
15/06/2023 03:00	3.5	194	10	4.8	0
15/06/2023 03:10	3.6	195	12	4.8	0
15/06/2023 03:20	3.9	197	9	5.2	0
15/06/2023 03:30	3.9	196	9	5.3	0
15/06/2023 03:40	4.1	196	9	5.2	0
15/06/2023 03:50	4.3	196	10	5.7	0
15/06/2023 04:00	4.3	195	10	5.7	0
15/06/2023 04:10	3.7	189	12	5.1	0
15/06/2023 04:20	3.7	184	12	5.3	0
15/06/2023 04:30	4.1	179	11	5.6	0
15/06/2023 04:40	3.1	189	29	5	0
15/06/2023 04:50	1.4	162	26	2.6	0
15/06/2023 05:00	2.6	130	18	4	0
15/06/2023 05:10	2.4	148	20	3.7	0
15/06/2023 05:20	1.9	97	42	3.2	0
15/06/2023 05:30	2.2	95	20	3.1	0
15/06/2023 05:40	1.7	101	14	2.7	0
15/06/2023 05:50	1.9	121	19	3	0
15/06/2023 06:00	1.6	106	14	2.5	0
15/06/2023 06:10	2.4	118	13	3.5	0
15/06/2023 06:20	2.4	127	18	3.5	0
15/06/2023 06:30	1.8	141	19	3.1	0
15/06/2023 06:40	2.5	136	23	4	0
15/06/2023 06:50	2.7	128	18	4	0
15/06/2023 07:00	3.1	125	15	4	0
15/06/2023 07:10	3.5	117	11	4.8	0
15/06/2023 07:20	3.8	115	11	4.9	0
15/06/2023 07:30	3	116	12	4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/06/2023 07:40	3.1	117	12	3.9	0
15/06/2023 07:50	3.2	114	11	4.4	0
15/06/2023 08:00	2.9	124	17	4.3	0
15/06/2023 08:10	2.7	111	15	3.6	0
15/06/2023 08:20	2.3	87	16	3.3	0
15/06/2023 08:30	2.4	104	16	3.3	0
15/06/2023 08:40	2.7	91	18	3.9	0
15/06/2023 08:50	2.3	100	19	3.5	0
15/06/2023 09:00	2.3	99	16	3.6	0
15/06/2023 09:10	2.8	83	16	4.1	0
15/06/2023 09:20	2.9	86	15	4.4	0
15/06/2023 09:30	3.2	83	16	4.8	0
15/06/2023 09:40	3.5	87	16	5	0
15/06/2023 09:50	3.9	83	13	5.3	0
15/06/2023 10:00	3.7	81	13	5.1	0
15/06/2023 10:10	3.6	84	16	5.6	0
15/06/2023 10:20	3.7	83	17	6	0
15/06/2023 10:30	4.6	78	15	6.7	0
15/06/2023 10:40	5.2	72	15	8	0
15/06/2023 10:50	5	73	16	7	0
15/06/2023 11:00	4.8	77	14	6.7	0
15/06/2023 11:10	5.1	81	15	7.3	0
15/06/2023 11:20	4.4	83	15	6.7	0
15/06/2023 11:30	4.3	78	18	6.2	0
15/06/2023 11:40	3.8	76	16	5.6	0
15/06/2023 11:50	3.9	74	12	5.5	0
15/06/2023 12:00	4.2	70	14	6.4	0
15/06/2023 12:10	3.7	64	13	5.2	0
15/06/2023 12:20	3.6	66	17	5.2	0
15/06/2023 12:30	3.5	67	17	5.6	0
15/06/2023 12:40	3.6	59	13	5.2	0
15/06/2023 12:50	3.6	63	14	5.5	0
15/06/2023 13:00	3.7	70	15	5.2	0
15/06/2023 13:10	4.5	57	10	6	0
15/06/2023 13:20	4	54	11	5	0
15/06/2023 13:30	3.4	55	11	4.4	0
15/06/2023 13:40	4	55	12	5.3	0
15/06/2023 13:50	3.8	58	12	5.2	0
15/06/2023 14:00	3.3	58	12	4.5	0
15/06/2023 14:10	3.7	57	11	4.6	0
15/06/2023 14:20	3.4	61	12	4.4	0
15/06/2023 14:30	3.4	48	13	4.6	0
15/06/2023 14:40	3.4	51	12	4.9	0
15/06/2023 14:50	3.4	47	13	4.7	0
15/06/2023 15:00	3.3	45	15	4.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/06/2023 15:10	3.2	46	13	4.5	0
15/06/2023 15:20	3.1	47	14	4	0
15/06/2023 15:30	3	54	13	4.1	0
15/06/2023 15:40	2.5	53	16	3.5	0
15/06/2023 15:50	2.5	55	13	3.6	0
15/06/2023 16:00	2.4	54	13	3.4	0
15/06/2023 16:10	2	55	17	2.8	0
15/06/2023 16:20	1.6	49	13	2.6	0
15/06/2023 16:30	1.5	47	15	2	0
15/06/2023 16:40	1	39	25	1.5	0
15/06/2023 16:50	1.1	87	28	2	0
15/06/2023 17:00	0.5	132	41	1	0
15/06/2023 17:10	1	195	16	1.3	0
15/06/2023 17:20	0.8	178	34	1.3	0
15/06/2023 17:30	0.6	130	70	1.2	0
15/06/2023 17:40	0.4	200	18	0.8	0
15/06/2023 17:50	0.8	299	12	1.4	0
15/06/2023 18:00	1	283	13	1.4	0
15/06/2023 18:10	1.3	291	9	1.7	0
15/06/2023 18:20	1.1	284	13	1.6	0
15/06/2023 18:30	1.2	288	13	1.6	0
15/06/2023 18:40	1	289	15	1.5	0
15/06/2023 18:50	1.1	287	14	1.6	0
15/06/2023 19:00	1.1	293	13	1.6	0
15/06/2023 19:10	1	299	20	1.6	0
15/06/2023 19:20	1.2	304	13	1.7	0
15/06/2023 19:30	1	304	13	1.2	0
15/06/2023 19:40	0.9	270	17	1.3	0
15/06/2023 19:50	0.8	284	21	1.2	0
15/06/2023 20:00	1.3	273	16	2	0
15/06/2023 20:10	1	270	17	1.5	0
15/06/2023 20:20	1.3	271	15	2	0
15/06/2023 20:30	1.2	295	17	1.9	0
15/06/2023 20:40	0.7	266	13	1.3	0
15/06/2023 20:50	1.1	292	20	1.6	0
15/06/2023 21:00	1.2	224	21	1.7	0
15/06/2023 21:10	1	219	20	1.3	0
15/06/2023 21:20	0.4	239	22	0.8	0
15/06/2023 21:30	0	28	0	0.6	0
15/06/2023 21:40	0	19	0	0.4	0
15/06/2023 21:50					0
15/06/2023 22:00					0
15/06/2023 22:10	0.4	257	6	1.4	0
15/06/2023 22:20	1.4	226	12	1.8	0
15/06/2023 22:30	0.9	150	13	1.4	0





Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
15/06/2023 22:40	0.2	123	13	0.8	0
15/06/2023 22:50	0.7	129	20	1.5	0
15/06/2023 23:00	1.5	199	17	2.4	0
15/06/2023 23:10	1.7	214	9	2	0
15/06/2023 23:20	1.3	289	24	1.7	0
15/06/2023 23:30	0.6	162	10	1	0
15/06/2023 23:40					0
15/06/2023 23:50	0.3	167	5	0.9	0
16/06/2023 00:00					0
16/06/2023 00:10	0.2	325	6	0.6	0
16/06/2023 00:20	0.9	339	8	1.2	0
16/06/2023 00:30	0.8	334	9	1.1	0
16/06/2023 00:40	0.8	212	37	1.1	0
16/06/2023 00:50	0.3	59	2	0.8	0
16/06/2023 01:00	0.3	258	13	0.8	0
16/06/2023 01:10	0.7	179	10	0.9	0
16/06/2023 01:20	1.1	196	18	1.6	0
16/06/2023 01:30	0.5	219	14	1.1	0
16/06/2023 01:40	1.3	333	8	1.6	0
16/06/2023 01:50	1.1	320	38	1.7	0
16/06/2023 02:00	0.6	218	12	1.2	0
16/06/2023 02:10	0.6	224	17	1.2	0
16/06/2023 02:20	0.4	85	9	0.9	0
16/06/2023 02:30	0.6	322	17	1.2	0
16/06/2023 02:40	0.5	161	16	1.2	0
16/06/2023 02:50	0.9	238	27	1.3	0
16/06/2023 03:00	0.1	89	4	0.6	0
16/06/2023 03:10	0.7	248	20	1.2	0
16/06/2023 03:20	0.3	178	5	0.9	0
16/06/2023 03:30	0.4	255	8	0.9	0
16/06/2023 03:40	0.5	147	19	1	0
16/06/2023 03:50	0.4	49	17	0.9	0
16/06/2023 04:00	0.4	165	7	1.3	0
16/06/2023 04:10	0.8	107	32	1.8	0
16/06/2023 04:20	2.3	202	18	3.3	0
16/06/2023 04:30	2.3	192	22	3.4	0
16/06/2023 04:40	2	168	48	3.6	0
16/06/2023 04:50	2.9	175	15	4.3	0
16/06/2023 05:00	2.6	180	19	4	0
16/06/2023 05:10	3	170	16	4.5	0
16/06/2023 05:20	3.2	174	15	5	0
16/06/2023 05:30	3.2	186	17	4.8	0
16/06/2023 05:40	2.6	173	21	4.1	0
16/06/2023 05:50	1.3	259	68	3.5	0
16/06/2023 06:00	0.4	157	25	1.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/06/2023 06:10	0.8	280	49	1.4	0
16/06/2023 06:20	0.8	119	73	1.6	0
16/06/2023 06:30	1.2	35	79	2.4	0
16/06/2023 06:40	1.3	154	32	2.9	0
16/06/2023 06:50	2.4	183	17	4.2	0
16/06/2023 07:00	2.5	188	26	3.8	0
16/06/2023 07:10	1.9	179	23	3.2	0
16/06/2023 07:20	2.3	177	35	3.7	0
16/06/2023 07:30	4.5	193	10	5.8	0
16/06/2023 07:40	4.9	186	13	6.4	0
16/06/2023 07:50	4.2	176	15	5.6	0
16/06/2023 08:00	4	170	13	6	0
16/06/2023 08:10	3	158	16	4.3	0
16/06/2023 08:20	2.6	161	23	4.1	0
16/06/2023 08:30	1.7	140	28	3.2	0
16/06/2023 08:40	1.8	136	23	2.8	0
16/06/2023 08:50	2	131	19	3	0
16/06/2023 09:00	2.4	110	17	4	0
16/06/2023 09:10	2	141	22	3	0
16/06/2023 09:20	2.4	128	22	4	0
16/06/2023 09:30	1.9	130	19	2.7	0
16/06/2023 09:40	1.4	92	21	2.5	0
16/06/2023 09:50	2.1	101	17	3	0
16/06/2023 10:00	1.9	112	28	2.8	0
16/06/2023 10:10	1.9	101	16	2.6	0
16/06/2023 10:20	2	92	13	2.7	0
16/06/2023 10:30	2.1	94	17	3.2	0
16/06/2023 10:40	2.1	107	21	3.9	0
16/06/2023 10:50	2.2	120	23	4.3	0
16/06/2023 11:00	2.5	122	30	4.4	0
16/06/2023 11:10	2.6	123	19	4	0
16/06/2023 11:20	2.6	123	24	3.6	0
16/06/2023 11:30	2.4	121	16	3.6	0
16/06/2023 11:40	2.4	104	18	3.7	0
16/06/2023 11:50	2.4	54	16	3.3	0
16/06/2023 12:00	2.1	69	21	3.1	0
16/06/2023 12:10	2.3	59	20	3.2	0
16/06/2023 12:20	2.2	67	16	3.1	0
16/06/2023 12:30	2.2	51	13	2.9	0
16/06/2023 12:40	2.2	51	11	2.8	0
16/06/2023 12:50	2.5	57	14	3.6	0
16/06/2023 13:00	2.7	58	12	4	0
16/06/2023 13:10	2.7	57	13	3.9	0
16/06/2023 13:20	2.9	48	13	4.3	0
16/06/2023 13:30	2.7	54	16	4.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/06/2023 13:40	2.8	54	16	3.9	0
16/06/2023 13:50	3.1	45	13	4.5	0
16/06/2023 14:00	2.5	49	13	3.5	0
16/06/2023 14:10	2.5	49	15	3.6	0
16/06/2023 14:20	2.5	44	15	3.5	0
16/06/2023 14:30	2.5	46	13	3.7	0
16/06/2023 14:40	2.7	49	16	4	0
16/06/2023 14:50	3.1	46	14	4.2	0
16/06/2023 15:00	3.2	44	14	4.5	0
16/06/2023 15:10	3	41	14	4.3	0
16/06/2023 15:20	2.8	37	14	4.1	0
16/06/2023 15:30	2.7	40	15	3.7	0
16/06/2023 15:40	3.2	34	13	4.7	0
16/06/2023 15:50	3.1	34	15	4.4	0
16/06/2023 16:00	2.9	37	15	4.2	0
16/06/2023 16:10	2.8	30	13	4	0
16/06/2023 16:20	2.9	33	14	3.9	0
16/06/2023 16:30	2.6	33	15	4	0
16/06/2023 16:40	2.3	33	16	4.1	0
16/06/2023 16:50	1.8	43	15	2.8	0
16/06/2023 17:00	1.3	36	20	2.1	0
16/06/2023 17:10	2.2	33	20	3.6	0
16/06/2023 17:20	2	33	18	3.2	0
16/06/2023 17:30	1.6	51	18	2.4	0
16/06/2023 17:40	0.8	97	52	2	0
16/06/2023 17:50	0.9	177	28	1.3	0
16/06/2023 18:00	1.3	219	32	2.1	0
16/06/2023 18:10	0.6	156	18	1.2	0
16/06/2023 18:20	0.7	344	18	1.2	0
16/06/2023 18:30	0.6	243	21	0.9	0
16/06/2023 18:40	0.9	273	19	1.5	0
16/06/2023 18:50	0.5	316	11	1	0
16/06/2023 19:00					0
16/06/2023 19:10	0.3	270	9	0.8	0
16/06/2023 19:20	0.2	254	6	0.6	0
16/06/2023 19:30					0
16/06/2023 19:40	0.8	314	9	1.2	0
16/06/2023 19:50	0.7	284	17	1.2	0
16/06/2023 20:00	0.6	230	18	1.1	0
16/06/2023 20:10	0.7	215	8	1.2	0
16/06/2023 20:20	1.1	300	29	1.6	0
16/06/2023 20:30	1.1	243	13	1.6	0
16/06/2023 20:40	0.9	237	13	1.4	0
16/06/2023 20:50	0.9	259	19	1.3	0
16/06/2023 21:00	1.3	274	21	1.8	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
16/06/2023 21:10	1.1	248	15	1.4	0
16/06/2023 21:20	1.2	275	16	1.8	0
16/06/2023 21:30	1.1	270	22	1.7	0
16/06/2023 21:40	1.1	232	18	1.6	0
16/06/2023 21:50	0.9	264	22	1.2	0
16/06/2023 22:00	1.1	239	16	1.5	0
16/06/2023 22:10	0.8	252	28	1.3	0
16/06/2023 22:20	0.5	298	17	1.2	0
16/06/2023 22:30	0.9	281	16	1.3	0
16/06/2023 22:40	0.4	301	13	0.9	0
16/06/2023 22:50					0
16/06/2023 23:00	0.7	200	6	1.2	0
16/06/2023 23:10	1.6	214	6	2	0
16/06/2023 23:20	0.9	294	41	1.5	0
16/06/2023 23:30	0.5	235	20	0.9	0
16/06/2023 23:40	0.7	197	12	1.3	0
16/06/2023 23:50	1.5	205	10	1.9	0
17/06/2023 00:00	0.8	140	72	1.3	0.1
17/06/2023 00:10	1.2	215	25	2.1	0
17/06/2023 00:20	1.9	219	13	2.4	0
17/06/2023 00:30	1.5	104	18	2.1	0
17/06/2023 00:40	0.5	62	18	1	0
17/06/2023 00:50	0.3	266	15	0.8	0
17/06/2023 01:00	0.1	170	2	0.6	0
17/06/2023 01:10	0.2	82	2	0.9	0
17/06/2023 01:20	1	305	16	1.6	0
17/06/2023 01:30	1.2	196	32	2.2	0
17/06/2023 01:40	2	214	20	3.4	0
17/06/2023 01:50	1.4	235	33	2.4	0
17/06/2023 02:00	1.5	197	27	3.2	0
17/06/2023 02:10	1	310	43	1.6	0
17/06/2023 02:20	1.1	306	39	1.9	0
17/06/2023 02:30	0.9	270	19	1.6	0
17/06/2023 02:40	1	296	27	1.6	0
17/06/2023 02:50	1.1	326	32	1.5	0
17/06/2023 03:00	0.9	354	37	1.7	0
17/06/2023 03:10	1.5	317	17	2.1	0
17/06/2023 03:20	1.5	325	12	1.8	0
17/06/2023 03:30	1.3	316	11	1.6	0
17/06/2023 03:40	0.9	309	12	1.3	0
17/06/2023 03:50	1	300	26	1.5	0
17/06/2023 04:00	1.1	215	32	1.9	0
17/06/2023 04:10	1.5	225	30	2.6	0
17/06/2023 04:20	1.5	213	37	2.9	0
17/06/2023 04:30	1.7	214	34	2.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/06/2023 04:40	2.1	203	34	4.4	0
17/06/2023 04:50	1.9	205	29	3.2	0
17/06/2023 05:00	3	196	25	5.2	0
17/06/2023 05:10	3.8	190	13	5.2	0
17/06/2023 05:20	4.4	183	11	6	0
17/06/2023 05:30	4.4	175	10	6.1	0
17/06/2023 05:40	4.7	180	11	6	0
17/06/2023 05:50	4.1	178	11	5.6	0
17/06/2023 06:00	3.7	178	11	4.8	0
17/06/2023 06:10	3.3	173	13	5.1	0
17/06/2023 06:20	4	179	11	5.2	0
17/06/2023 06:30	3.8	167	13	5.2	0
17/06/2023 06:40	3.8	160	13	5.1	0
17/06/2023 06:50	4	161	10	5.3	0
17/06/2023 07:00	3.3	163	14	4.6	0
17/06/2023 07:10	2.7	179	13	3.9	0
17/06/2023 07:20	3.3	175	11	4.7	0
17/06/2023 07:30	3.3	180	12	4.4	0
17/06/2023 07:40	2.2	159	21	3.5	0
17/06/2023 07:50	2.1	165	19	3.6	0
17/06/2023 08:00	2.9	166	15	4	0
17/06/2023 08:10	2.9	171	13	4.1	0
17/06/2023 08:20	3.1	165	13	4.3	0
17/06/2023 08:30	2.6	163	16	3.9	0
17/06/2023 08:40	2.5	127	14	3.6	0
17/06/2023 08:50	2.3	110	14	2.9	0
17/06/2023 09:00	1.9	82	13	2.8	0
17/06/2023 09:10	1.7	72	15	2.5	0
17/06/2023 09:20	2	97	12	2.8	0
17/06/2023 09:30	2.4	131	19	3.4	0
17/06/2023 09:40	2.5	153	15	3.6	0
17/06/2023 09:50	2.6	152	18	4.1	0
17/06/2023 10:00	2.3	151	16	3.3	0
17/06/2023 10:10	2.4	175	20	3.6	0
17/06/2023 10:20	2.3	190	15	3.6	0
17/06/2023 10:30	2.6	193	13	3.6	0
17/06/2023 10:40	2.4	185	18	3.6	0
17/06/2023 10:50	2.9	190	13	4.4	0
17/06/2023 11:00	2.5	192	15	3.7	0
17/06/2023 11:10	2.3	191	20	3.9	0
17/06/2023 11:20	1.9	176	27	3.3	0
17/06/2023 11:30	1.8	139	23	2.7	0
17/06/2023 11:40	2.2	114	17	3.5	0
17/06/2023 11:50	1.6	110	23	2.9	0
17/06/2023 12:00	1.5	115	18	2.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/06/2023 12:10	1.1	85	22	1.7	0
17/06/2023 12:20	1.4	58	12	2	0.1
17/06/2023 12:30	1	43	11	1.4	0
17/06/2023 12:40	0.2	94	12	0.8	0
17/06/2023 12:50	1.1	123	19	1.9	0
17/06/2023 13:00	1.2	128	20	1.7	0
17/06/2023 13:10	1.6	107	14	2.3	0
17/06/2023 13:20	1.6	116	17	2.5	0
17/06/2023 13:30	1.5	115	21	2.5	0
17/06/2023 13:40	1.2	89	23	2	0
17/06/2023 13:50	0.6	49	9	1.1	0.3
17/06/2023 14:00					0
17/06/2023 14:10					0
17/06/2023 14:20	0.1	87	7	0.7	0
17/06/2023 14:30	0.4	48	14	0.9	0.1
17/06/2023 14:40	0.2	197	12	0.8	0
17/06/2023 14:50	1.1	142	24	1.8	0.1
17/06/2023 15:00	1.9	158	15	2.8	0
17/06/2023 15:10	1.7	165	12	2.2	0
17/06/2023 15:20	1.6	164	17	2.5	0.1
17/06/2023 15:30	1.7	153	16	2.4	0
17/06/2023 15:40	1.4	159	13	1.9	0.1
17/06/2023 15:50	2.2	160	11	2.8	0
17/06/2023 16:00	2.6	155	12	3.4	0
17/06/2023 16:10	1.8	150	15	2.8	0
17/06/2023 16:20	1.5	145	15	2.4	0
17/06/2023 16:30	1.6	130	24	2.6	0
17/06/2023 16:40	1.6	156	15	2.4	0
17/06/2023 16:50	1.5	124	17	2.7	0
17/06/2023 17:00	1.6	154	21	2.3	0.1
17/06/2023 17:10	1.8	187	13	2.8	0
17/06/2023 17:20	1.5	177	13	2	0.1
17/06/2023 17:30	1.3	170	17	1.9	0
17/06/2023 17:40	0.9	139	23	1.4	0
17/06/2023 17:50	1.5	123	32	2.8	0
17/06/2023 18:00	2	149	17	2.9	0.1
17/06/2023 18:10	2.1	134	20	3.2	0.2
17/06/2023 18:20	2.1	125	21	3.8	0.1
17/06/2023 18:30	1.9	159	19	3.4	0
17/06/2023 18:40	1.8	138	27	3.1	0
17/06/2023 18:50	1.4	137	23	2.8	0
17/06/2023 19:00	1.3	163	35	2.5	0
17/06/2023 19:10	2.1	124	18	3.1	0.2
17/06/2023 19:20	2.6	125	16	3.9	0
17/06/2023 19:30	2.2	154	20	3.6	0.1



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
17/06/2023 19:40	2.9	192	11	4	0
17/06/2023 19:50	3.4	194	9	4.7	0
17/06/2023 20:00	3.6	193	11	5.2	0
17/06/2023 20:10	3.6	194	14	5.2	0
17/06/2023 20:20	3.7	185	16	5.5	0
17/06/2023 20:30	2.4	166	24	4.4	0
17/06/2023 20:40	2.7	156	22	3.9	0
17/06/2023 20:50	2	171	21	3	0
17/06/2023 21:00	2.1	140	33	4.1	0
17/06/2023 21:10	2.3	181	23	3.6	0
17/06/2023 21:20	1.8	151	32	2.8	0
17/06/2023 21:30	2.8	137	21	4.4	0
17/06/2023 21:40	2.2	137	33	4	0
17/06/2023 21:50	3.2	121	16	4.8	0
17/06/2023 22:00	3.1	135	20	4.8	0
17/06/2023 22:10	3.1	131	21	5.1	0
17/06/2023 22:20	3.3	128	21	4.9	0
17/06/2023 22:30	2.8	143	27	5	0
17/06/2023 22:40	3.1	128	25	5.6	0
17/06/2023 22:50	2.8	113	29	4.7	0
17/06/2023 23:00	2.6	128	34	5.2	0
17/06/2023 23:10	2.8	135	30	5.5	0
17/06/2023 23:20	2	142	27	3.8	0
17/06/2023 23:30	2.2	143	32	3.8	0
17/06/2023 23:40	2.2	166	35	3.6	0
17/06/2023 23:50	2.4	193	16	3.7	0
18/06/2023 00:00	2.8	195	17	4.1	0
18/06/2023 00:10	2.1	193	16	3.4	0
18/06/2023 00:20	2.1	174	20	3.2	0
18/06/2023 00:30	1.4	164	29	2.1	0
18/06/2023 00:40	2	113	25	3.2	0
18/06/2023 00:50	2.7	122	21	4.8	0
18/06/2023 01:00	2.1	116	21	3.8	0
18/06/2023 01:10	2.5	142	28	4.1	0
18/06/2023 01:20	2.5	127	28	4.6	0
18/06/2023 01:30	2.5	138	25	4.1	0
18/06/2023 01:40	3	139	20	5.2	0
18/06/2023 01:50	2.5	134	25	4.2	0
18/06/2023 02:00	1.7	119	38	3.7	0
18/06/2023 02:10	2	131	27	3.2	0
18/06/2023 02:20	2.4	115	21	4.3	0
18/06/2023 02:30	1.8	137	26	3.2	0
18/06/2023 02:40	2.4	141	22	4	0
18/06/2023 02:50	3.1	151	18	4.8	0
18/06/2023 03:00	2.5	133	27	3.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/06/2023 03:10	2.3	131	20	3.6	0
18/06/2023 03:20	2.3	130	20	3.4	0
18/06/2023 03:30	2.7	117	16	4	0
18/06/2023 03:40	2.7	117	13	3.7	0
18/06/2023 03:50	2.8	119	23	4.4	0
18/06/2023 04:00	2.6	119	25	4.2	0
18/06/2023 04:10	2.8	121	19	4.1	0
18/06/2023 04:20	2.5	127	18	3.6	0
18/06/2023 04:30	2.1	118	26	3.6	0
18/06/2023 04:40	2.1	125	32	3.7	0
18/06/2023 04:50	2.1	110	16	3.9	0
18/06/2023 05:00	2.6	114	13	3.7	0
18/06/2023 05:10	2.4	121	16	3.5	0
18/06/2023 05:20	2.7	115	15	4.2	0
18/06/2023 05:30	2.7	109	13	3.7	0
18/06/2023 05:40	3	123	18	4.2	0
18/06/2023 05:50	2.7	121	26	3.9	0
18/06/2023 06:00	2	142	27	3.2	0
18/06/2023 06:10	1.9	137	18	2.9	0
18/06/2023 06:20	1.8	130	23	3	0
18/06/2023 06:30	1.7	122	21	2.3	0
18/06/2023 06:40	1.9	128	24	2.9	0
18/06/2023 06:50	1.8	114	17	2.8	0
18/06/2023 07:00	1.7	110	16	2.4	0
18/06/2023 07:10	1.6	95	15	2.3	0
18/06/2023 07:20	1.6	93	13	2.1	0
18/06/2023 07:30	1.7	100	16	2.7	0
18/06/2023 07:40	1.6	96	14	2.4	0
18/06/2023 07:50	1.5	100	16	2.2	0
18/06/2023 08:00	1.5	99	17	2.2	0
18/06/2023 08:10	1.9	106	18	3	0
18/06/2023 08:20	2.2	119	17	3.2	0
18/06/2023 08:30	1.9	114	20	3.2	0
18/06/2023 08:40	1.9	126	31	3.1	0
18/06/2023 08:50	1.9	132	28	3	0
18/06/2023 09:00	1.7	134	25	3.5	0
18/06/2023 09:10	1.9	128	25	2.9	0
18/06/2023 09:20	1.8	117	33	3.5	0
18/06/2023 09:30	2.3	131	25	4.3	0
18/06/2023 09:40	2.5	125	21	4.7	0
18/06/2023 09:50	2.1	132	23	3.9	0
18/06/2023 10:00	2.1	141	24	4	0
18/06/2023 10:10	2	146	18	3.2	0
18/06/2023 10:20	2.3	123	20	3.9	0
18/06/2023 10:30	2	136	21	3.6	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/06/2023 10:40	1.7	129	25	2.9	0
18/06/2023 10:50	1.6	117	27	2.8	0
18/06/2023 11:00	1.8	130	17	2.6	0
18/06/2023 11:10	2	125	19	3.5	0
18/06/2023 11:20	2.2	138	21	4	0
18/06/2023 11:30	2.1	147	25	3.1	0
18/06/2023 11:40	2.1	145	23	3.4	0
18/06/2023 11:50	2	134	22	3.2	0
18/06/2023 12:00	2.6	120	16	4	0
18/06/2023 12:10	2.3	145	25	3.6	0
18/06/2023 12:20	2	128	24	3.2	0
18/06/2023 12:30	2.1	118	22	3.6	0
18/06/2023 12:40	1.7	133	22	3.1	0
18/06/2023 12:50	1.4	142	24	2.2	0
18/06/2023 13:00	1.7	162	15	2.5	0
18/06/2023 13:10	1.5	160	30	2.4	0
18/06/2023 13:20	2.1	193	16	3	0
18/06/2023 13:30	1.7	129	20	2.6	0
18/06/2023 13:40	1.1	112	25	1.9	0
18/06/2023 13:50	1.3	109	24	2	0
18/06/2023 14:00	1.4	42	16	2	0
18/06/2023 14:10	1.6	44	14	2.1	0
18/06/2023 14:20	1.6	61	15	2.3	0
18/06/2023 14:30	1.7	60	13	2.4	0
18/06/2023 14:40	1.4	72	15	2	0
18/06/2023 14:50	1.1	121	18	1.6	0
18/06/2023 15:00	1.6	121	18	2.6	0
18/06/2023 15:10	1.8	115	19	2.5	0
18/06/2023 15:20	1.2	91	39	1.9	0
18/06/2023 15:30	1.6	119	17	2.5	0
18/06/2023 15:40	1.8	148	17	2.6	0
18/06/2023 15:50	1.1	146	22	1.6	0
18/06/2023 16:00	1.7	115	15	2.5	0
18/06/2023 16:10	2	116	10	2.6	0
18/06/2023 16:20	1.7	120	15	2.3	0
18/06/2023 16:30	1.8	115	14	2.5	0
18/06/2023 16:40	1.4	120	20	2	0
18/06/2023 16:50	0.9	133	22	1.6	0
18/06/2023 17:00	1.5	178	19	2	0
18/06/2023 17:10	2.7	145	20	4.1	0
18/06/2023 17:20	2.7	143	22	4.1	0
18/06/2023 17:30	2.5	168	24	4.4	0
18/06/2023 17:40	2.9	155	25	4.8	0
18/06/2023 17:50	3	150	21	5.4	0
18/06/2023 18:00	3.4	150	22	5.6	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
18/06/2023 18:10	3.1	157	25	5.2	0
18/06/2023 18:20	2	164	33	4.5	0
18/06/2023 18:30	2.3	171	31	3.5	0
18/06/2023 18:40	2.4	171	33	4.1	0
18/06/2023 18:50	2.2	166	26	3.5	0
18/06/2023 19:00	2.2	159	26	3.5	0
18/06/2023 19:10	1.9	182	22	2.9	0
18/06/2023 19:20	2.3	181	19	3.9	0.3
18/06/2023 19:30	1.9	145	25	3.4	0
18/06/2023 19:40	2.5	144	22	3.9	0
18/06/2023 19:50	1.9	158	25	2.9	0
18/06/2023 20:00	2.3	157	26	3.6	0
18/06/2023 20:10	3	117	13	4.6	0
18/06/2023 20:20	2.5	139	21	4.4	0
18/06/2023 20:30	2.2	133	23	3.9	0
18/06/2023 20:40	2.2	140	21	3.6	0
18/06/2023 20:50	2.3	144	22	4.3	0
18/06/2023 21:00	2.2	169	23	3.8	0.2
18/06/2023 21:10	2.8	183	25	4.8	0
18/06/2023 21:20	2.5	171	23	3.9	0
18/06/2023 21:30	3.8	189	15	5.9	0.1
18/06/2023 21:40	4.7	187	15	6.2	0
18/06/2023 21:50	4.9	190	13	7	0
18/06/2023 22:00	4.8	188	14	6.9	0.2
18/06/2023 22:10	4.4	186	14	6.4	0.1
18/06/2023 22:20	3.4	181	17	5.3	0
18/06/2023 22:30	3	162	21	4.8	0.2
18/06/2023 22:40	3.4	181	19	5.8	0.1
18/06/2023 22:50	2.9	148	22	4.4	0
18/06/2023 23:00	3.8	151	19	5.6	0
18/06/2023 23:10	3.8	145	19	6.3	0
18/06/2023 23:20	3.1	145	25	5.6	0
18/06/2023 23:30	2.6	163	23	4.1	0
18/06/2023 23:40	2.9	167	18	4.2	0
18/06/2023 23:50	3.5	184	16	5.6	0.1
19/06/2023 00:00	4.3	185	13	6	0.2
19/06/2023 00:10	4.4	180	16	6.1	0
19/06/2023 00:20	4.1	182	15	5.6	0
19/06/2023 00:30	3.9	186	13	6	0.1
19/06/2023 00:40	3.9	186	14	5.6	0
19/06/2023 00:50	4.3	181	16	6.1	0
19/06/2023 01:00	4.6	185	14	6.6	0.2
19/06/2023 01:10	4.2	190	13	6	0
19/06/2023 01:20	3.4	191	15	5	0
19/06/2023 01:30	3.8	189	16	6	0.1



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/06/2023 01:40	3.5	187	13	5.8	0
19/06/2023 01:50	3.7	184	16	5.4	0
19/06/2023 02:00	4.4	187	15	6.9	0
19/06/2023 02:10	4.2	191	13	6.3	0.1
19/06/2023 02:20	3.8	186	13	5.5	0
19/06/2023 02:30	4	186	15	6.1	0
19/06/2023 02:40	3.5	182	18	5	0
19/06/2023 02:50	4.3	185	13	6.3	0.3
19/06/2023 03:00	4.4	185	15	6.3	0.1
19/06/2023 03:10	3.3	146	19	4.7	0
19/06/2023 03:20	3.2	143	19	5	0
19/06/2023 03:30	4	113	25	6.1	0
19/06/2023 03:40	3.4	122	21	5.2	0.4
19/06/2023 03:50	3.7	116	22	6.1	0.1
19/06/2023 04:00	3.8	114	26	6.4	0.2
19/06/2023 04:10	3.2	137	26	6.2	0
19/06/2023 04:20	3.8	144	21	6.7	0.2
19/06/2023 04:30	4.1	124	27	6.6	0
19/06/2023 04:40	3.7	118	25	6.8	0
19/06/2023 04:50	3.8	115	18	6	0
19/06/2023 05:00	3.4	119	25	5.9	0
19/06/2023 05:10	3.5	142	28	5.9	0.1
19/06/2023 05:20	3.9	139	25	6.4	0.1
19/06/2023 05:30	3.5	143	23	6	0.1
19/06/2023 05:40	2.5	157	24	4.2	0.1
19/06/2023 05:50	1.7	160	35	3.2	0.1
19/06/2023 06:00	2.4	156	29	3.9	0
19/06/2023 06:10	3.1	129	22	4.5	0
19/06/2023 06:20	3.7	122	13	5.3	0
19/06/2023 06:30	3	125	16	4.4	0
19/06/2023 06:40	3	123	18	4.8	0
19/06/2023 06:50	3	120	18	4.9	0.1
19/06/2023 07:00	3.7	125	16	5.2	0
19/06/2023 07:10	3	124	17	4.4	0
19/06/2023 07:20	2.3	140	23	4.2	0
19/06/2023 07:30	2.4	129	23	4.2	0.1
19/06/2023 07:40	2.3	131	24	3.6	0.1
19/06/2023 07:50	3.3	121	16	4.9	0.1
19/06/2023 08:00	3	125	18	5	0.1
19/06/2023 08:10	3.2	132	20	5.2	0
19/06/2023 08:20	3.1	137	27	5.4	0
19/06/2023 08:30	3.1	126	33	6.2	0
19/06/2023 08:40	3.3	117	27	6.1	0
19/06/2023 08:50	3.1	142	29	5.5	0.1
19/06/2023 09:00	1.5	120	20	4.7	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/06/2023 09:10	0	127	7	0.4	0.1
19/06/2023 09:20	0	147	6	0.4	0.1
19/06/2023 09:30	0	135	7	0.4	0
19/06/2023 09:40	0	151	2	0.4	0
19/06/2023 09:50					0.1
19/06/2023 10:00	0	139	2	0.4	0.4
19/06/2023 10:10	0.1	125	11	0.4	0
19/06/2023 10:20	0.1	133	13	0.4	0.1
19/06/2023 10:30	0	122	0	0.4	0
19/06/2023 10:40					0
19/06/2023 10:50					0
19/06/2023 11:00					0
19/06/2023 11:10	0.8	122	11	3.6	0
19/06/2023 11:20	4.3	113	20	6.5	0
19/06/2023 11:30	1.8	131	12	3.6	0
19/06/2023 11:40	4	96	17	6.1	0
19/06/2023 11:50	4.7	83	14	6.8	0
19/06/2023 12:00	4	104	18	6	0
19/06/2023 12:10	3.1	109	25	5.7	0
19/06/2023 12:20	3.4	102	21	5.7	0
19/06/2023 12:30	4.4	96	18	6.4	0
19/06/2023 12:40	3.9	102	20	5.9	0
19/06/2023 12:50	4.1	117	19	5.8	0
19/06/2023 13:00	3.8	115	21	6.4	0
19/06/2023 13:10	3.8	117	19	5.7	0
19/06/2023 13:20	3.7	112	18	5.4	0
19/06/2023 13:30	2.8	109	20	4.4	0
19/06/2023 13:40	2.9	98	19	4.7	0.1
19/06/2023 13:50	4	86	13	5.8	0
19/06/2023 14:00	3.4	89	15	4.9	0.2
19/06/2023 14:10	3	91	17	5	0
19/06/2023 14:20	3.2	102	18	4.6	0
19/06/2023 14:30	3.4	103	22	6	0
19/06/2023 14:40	3.6	96	22	5.5	0
19/06/2023 14:50	4.4	91	18	6	0
19/06/2023 15:00	3.9	91	17	6.1	0
19/06/2023 15:10	4.6	89	16	6.5	0
19/06/2023 15:20	4	92	17	5.6	0
19/06/2023 15:30	3.5	89	15	5.1	0
19/06/2023 15:40	3.6	89	15	5.4	0
19/06/2023 15:50	3.9	95	15	5.7	0
19/06/2023 16:00	3.5	91	18	5.6	0
19/06/2023 16:10	4.3	90	14	6.3	0
19/06/2023 16:20	4.1	88	16	5.9	0
19/06/2023 16:30	3.9	91	14	5.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
19/06/2023 16:40	4.1	89	15	6	0
19/06/2023 16:50	3.9	92	13	5.6	0
19/06/2023 17:00	3.8	89	17	5.6	0
19/06/2023 17:10	3.6	90	16	5.9	0
19/06/2023 17:20	4	93	14	5.6	0
19/06/2023 17:30	3.4	96	17	4.9	0
19/06/2023 17:40	3.7	90	15	5.3	0
19/06/2023 17:50	3.4	89	14	4.9	0
19/06/2023 18:00	2.8	125	20	4.4	0
19/06/2023 18:10	3	125	18	4.4	0
19/06/2023 18:20	3.3	119	15	4.8	0
19/06/2023 18:30	3.3	126	16	4.6	0
19/06/2023 18:40	3.7	122	20	6.3	0
19/06/2023 18:50	3.4	130	19	5.3	0
19/06/2023 19:00	3.5	122	22	5.1	0
19/06/2023 19:10	3.2	123	23	5.3	0
19/06/2023 19:20	3.6	114	15	5.6	0
19/06/2023 19:30	2.5	119	29	4.4	0
19/06/2023 19:40	2.5	114	27	4.3	0
19/06/2023 19:50	3.1	121	18	4.8	0.1
19/06/2023 20:00	3.1	119	19	4.8	0
19/06/2023 20:10	2.4	109	14	3.6	0
19/06/2023 20:20	2.5	104	17	3.7	0
19/06/2023 20:30	3.3	90	14	5	0.1
19/06/2023 20:40	3.4	99	18	5.3	0
19/06/2023 20:50	3.6	92	21	5.6	0
19/06/2023 21:00	3.7	96	21	5.5	0
19/06/2023 21:10	3.9	100	20	5.9	0
19/06/2023 21:20	4	96	17	6.1	0
19/06/2023 21:30	4.3	91	16	6	0.2
19/06/2023 21:40	4.5	91	15	6.8	0.3
19/06/2023 21:50	4.1	90	16	5.7	0.3
19/06/2023 22:00	2.1	87	11	5	0.2
19/06/2023 22:10					0.4
19/06/2023 22:20	0.9	91	10	2.9	0.7
19/06/2023 22:30	4.3	90	15	6.1	0.6
19/06/2023 22:40	5	88	14	6.9	0.5
19/06/2023 22:50	4.9	90	16	7.2	0.3
19/06/2023 23:00	4.5	92	14	6.4	0.1
19/06/2023 23:10	4	101	18	5.5	0.1
19/06/2023 23:20	4	91	18	6.1	0
19/06/2023 23:30	4.1	92	17	6.4	0.3
19/06/2023 23:40	4.4	115	20	6.5	0.3
19/06/2023 23:50	4.2	109	17	6.4	0
20/06/2023 00:00	4.6	119	18	7.5	0.2



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/06/2023 00:10	4.3	123	24	7.3	0.2
20/06/2023 00:20	4.7	119	18	6.9	0.2
20/06/2023 00:30	3.9	129	25	6	0.3
20/06/2023 00:40	3.1	133	30	4.8	1.5
20/06/2023 00:50	4.2	120	19	6.3	0.9
20/06/2023 01:00	3.9	135	24	6.5	0.6
20/06/2023 01:10	3.6	129	16	5.6	0.4
20/06/2023 01:20	4.1	116	20	6.1	1
20/06/2023 01:30	4.3	116	18	6.8	0.4
20/06/2023 01:40	4.5	116	17	6.5	0.5
20/06/2023 01:50	5	124	22	7.5	0.6
20/06/2023 02:00	5	140	22	7.9	0.4
20/06/2023 02:10	3.9	145	29	7.4	0.2
20/06/2023 02:20	4.7	145	19	7.2	2
20/06/2023 02:30	5.8	133	20	8.4	0.4
20/06/2023 02:40	4.6	145	22	7.4	0.5
20/06/2023 02:50	4.3	144	18	6.8	0.4
20/06/2023 03:00	4.7	144	18	7.9	0.3
20/06/2023 03:10	4.9	149	18	7.4	0.5
20/06/2023 03:20	4.5	145	16	7.2	0.4
20/06/2023 03:30	4.9	145	18	6.8	0.8
20/06/2023 03:40	4.9	157	21	7	1
20/06/2023 03:50	5	151	17	7	0.7
20/06/2023 04:00	5.6	181	14	8.3	0.6
20/06/2023 04:10	4.9	182	15	7.5	0.6
20/06/2023 04:20	5.1	189	13	6.8	0.5
20/06/2023 04:30	5.5	175	15	8.4	1.1
20/06/2023 04:40	4.6	165	12	6.1	0.8
20/06/2023 04:50	2.6	212	45	4.4	1.9
20/06/2023 05:00	2.9	89	13	4	2.8
20/06/2023 05:10	2.8	110	19	4	0.7
20/06/2023 05:20	3.3	117	13	4.4	0.2
20/06/2023 05:30	3.4	115	17	4.6	0.2
20/06/2023 05:40	2.6	108	18	4	0
20/06/2023 05:50	2.8	114	16	4.6	0.2
20/06/2023 06:00	3	102	17	5.1	0.3
20/06/2023 06:10	3.4	110	18	5.8	0.4
20/06/2023 06:20	3.6	111	16	4.8	0.4
20/06/2023 06:30	3.3	111	17	5.2	0.5
20/06/2023 06:40	3.6	106	18	5.5	0.5
20/06/2023 06:50	3.3	104	21	5.6	0.5
20/06/2023 07:00	3.7	110	22	5.6	0.6
20/06/2023 07:10	3.4	112	18	5.2	0.4
20/06/2023 07:20	3.9	112	21	6.2	0.1
20/06/2023 07:30	3.3	102	21	5.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/06/2023 07:40	4.1	116	16	5.8	0
20/06/2023 07:50	4.5	117	17	6.8	0
20/06/2023 08:00	4	117	18	6	0
20/06/2023 08:10	3.8	129	22	6	0
20/06/2023 08:20	3.1	149	26	5.2	0
20/06/2023 08:30	3.4	145	17	4.6	0.1
20/06/2023 08:40	2.9	145	19	5	0.1
20/06/2023 08:50	3.1	161	19	4.6	0
20/06/2023 09:00	3	163	18	4.7	0.2
20/06/2023 09:10	2.6	147	19	3.8	0
20/06/2023 09:20	3.2	134	18	4.8	0
20/06/2023 09:30	3.4	129	19	5.6	0
20/06/2023 09:40	3.7	131	21	5.7	0
20/06/2023 09:50	4	136	18	5.9	0
20/06/2023 10:00	4.2	142	19	6.3	0
20/06/2023 10:10	4	139	19	6.3	0
20/06/2023 10:20	3.7	136	19	5.9	0
20/06/2023 10:30	3.7	137	23	6.3	0
20/06/2023 10:40	3.2	117	31	5.7	0
20/06/2023 10:50	3.4	135	18	5.2	0
20/06/2023 11:00	2.9	128	28	5.3	0
20/06/2023 11:10	3	125	26	4.8	0
20/06/2023 11:20	3	123	20	5	0
20/06/2023 11:30	3.1	121	23	5.2	0
20/06/2023 11:40	2.7	123	20	4	0
20/06/2023 11:50	2.8	116	17	4.1	0
20/06/2023 12:00	2.3	128	26	4.5	0
20/06/2023 12:10	2.4	130	25	4	0
20/06/2023 12:20	2.4	118	15	3.8	0
20/06/2023 12:30	2.5	120	17	3.6	0
20/06/2023 12:40	2.8	113	14	4.1	0
20/06/2023 12:50	2.9	113	15	4.1	0
20/06/2023 13:00	2.6	121	20	3.8	0
20/06/2023 13:10	2.7	116	16	4	0
20/06/2023 13:20	2.4	130	26	3.9	0
20/06/2023 13:30	2.4	116	24	4.4	0
20/06/2023 13:40	2.4	121	24	3.8	0
20/06/2023 13:50	2.5	120	16	3.7	0
20/06/2023 14:00	2	125	20	2.9	0
20/06/2023 14:10	1.8	122	29	3	0
20/06/2023 14:20	1.7	128	23	2.7	0
20/06/2023 14:30	1.5	116	24	2.8	0
20/06/2023 14:40	1.5	123	26	2.6	0
20/06/2023 14:50	1.4	116	23	2.2	0
20/06/2023 15:00	1.6	99	17	2.4	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/06/2023 15:10	1.5	99	15	2.1	0
20/06/2023 15:20	1.5	63	17	2	0
20/06/2023 15:30	1.4	77	11	1.9	0
20/06/2023 15:40	1.3	64	11	1.6	0
20/06/2023 15:50	1.1	73	13	1.6	0
20/06/2023 16:00	1.6	53	9	2	0
20/06/2023 16:10	1.4	59	14	1.8	0
20/06/2023 16:20	1.2	49	15	2	0
20/06/2023 16:30	1.4	69	12	2	0
20/06/2023 16:40	1.5	68	13	2	0
20/06/2023 16:50	1.5	69	13	2	0
20/06/2023 17:00	1	74	17	1.6	0
20/06/2023 17:10	1.1	78	16	1.5	0
20/06/2023 17:20	0.9	67	17	1.3	0
20/06/2023 17:30	0.9	70	16	1.2	0
20/06/2023 17:40	0.6	84	20	1.1	0
20/06/2023 17:50	0.4	91	18	1	0
20/06/2023 18:00					0
20/06/2023 18:10	0.6	60	15	1.2	0
20/06/2023 18:20	0.2	128	18	0.9	0
20/06/2023 18:30	0.4	181	21	0.9	0
20/06/2023 18:40	0.3	191	23	0.6	0
20/06/2023 18:50	0.1	163	10	0.4	0
20/06/2023 19:00	0.4	193	5	0.9	0
20/06/2023 19:10	0.3	234	10	0.7	0
20/06/2023 19:20	0.4	208	7	0.8	0
20/06/2023 19:30					0
20/06/2023 19:40					0
20/06/2023 19:50	0	187	1	0.4	0
20/06/2023 20:00	1.1	271	10	1.7	0
20/06/2023 20:10	1.3	240	9	1.7	0
20/06/2023 20:20	0.7	134	16	1.2	0
20/06/2023 20:30	0.8	249	11	1.4	0
20/06/2023 20:40	1.1	235	12	1.4	0
20/06/2023 20:50	1.1	241	9	1.5	0
20/06/2023 21:00	1.2	240	6	1.4	0
20/06/2023 21:10	1.1	246	8	1.3	0
20/06/2023 21:20	1.5	230	8	1.7	0
20/06/2023 21:30	1.9	224	5	2.1	0
20/06/2023 21:40	1.9	218	3	2.2	0
20/06/2023 21:50	1.6	222	5	1.9	0
20/06/2023 22:00	1.1	216	5	1.6	0
20/06/2023 22:10	1.8	218	5	2.3	0
20/06/2023 22:20	2.3	222	6	2.8	0
20/06/2023 22:30	2.2	220	6	2.5	0





Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
20/06/2023 22:40	2	228	11	2.7	0
20/06/2023 22:50	2	236	11	2.4	0
20/06/2023 23:00	1.9	225	12	2.4	0
20/06/2023 23:10	2.3	209	6	2.6	0
20/06/2023 23:20	2	209	8	2.4	0
20/06/2023 23:30	1.3	201	13	1.7	0
20/06/2023 23:40	1.1	202	13	1.6	0
20/06/2023 23:50	0.7	254	25	1.4	0
21/06/2023 00:00	1.5	275	7	1.7	0
21/06/2023 00:10	1.5	258	7	1.8	0
21/06/2023 00:20	0.3	259	12	1.1	0
21/06/2023 00:30					0
21/06/2023 00:40	0.1	276	14	0.8	0
21/06/2023 00:50	1	257	18	1.5	0
21/06/2023 01:00	1	268	16	1.5	0
21/06/2023 01:10	1	213	21	1.6	0
21/06/2023 01:20	1.4	200	10	1.7	0
21/06/2023 01:30	1	186	36	1.4	0
21/06/2023 01:40	0.5	17	6	1.2	0
21/06/2023 01:50	0.7	178	9	1.2	0
21/06/2023 02:00	0.4	178	3	0.8	0
21/06/2023 02:10					0
21/06/2023 02:20					0
21/06/2023 02:30	0.1	213	4	0.5	0
21/06/2023 02:40	0.7	194	12	1	0
21/06/2023 02:50	0.9	212	7	1.1	0
21/06/2023 03:00	1.5	216	9	2.2	0
21/06/2023 03:10	1.7	219	10	2.1	0
21/06/2023 03:20	1.3	223	16	1.8	0
21/06/2023 03:30	1.3	298	27	1.9	0
21/06/2023 03:40	0.5	269	24	1.1	0
21/06/2023 03:50	0.7	201	18	1	0
21/06/2023 04:00	0.8	236	30	1.7	0
21/06/2023 04:10	1.1	267	29	1.6	0
21/06/2023 04:20	0.7	327	8	1.2	0
21/06/2023 04:30	0.8	223	15	1.2	0
21/06/2023 04:40	1.4	258	11	2	0
21/06/2023 04:50	0.5	201	37	1.3	0
21/06/2023 05:00	0.5	21	33	1.1	0
21/06/2023 05:10	0	343	0	0.4	0
21/06/2023 05:20	0.7	151	60	1.9	0
21/06/2023 05:30	1.1	265	48	2.2	0
21/06/2023 05:40	0.6	148	49	2	0
21/06/2023 05:50	2.5	183	12	3.6	0
21/06/2023 06:00	2.1	186	11	2.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/06/2023 06:10	2.2	186	9	2.9	0
21/06/2023 06:20	2.2	185	10	3.2	0
21/06/2023 06:30	2	190	12	2.8	0
21/06/2023 06:40	3.3	198	9	4	0
21/06/2023 06:50	3.3	199	15	4.9	0
21/06/2023 07:00	3.1	200	10	4.2	0
21/06/2023 07:10	3.2	205	12	4.1	0
21/06/2023 07:20	3.2	201	14	4.7	0
21/06/2023 07:30	3.4	197	14	4.6	0
21/06/2023 07:40	3.9	195	13	5.2	0
21/06/2023 07:50	4	193	10	5.5	0
21/06/2023 08:00	4.5	195	12	5.7	0
21/06/2023 08:10	4.9	196	10	6.8	0
21/06/2023 08:20	4.2	194	12	5.6	0
21/06/2023 08:30	3.6	195	15	5.2	0
21/06/2023 08:40	3.9	193	15	5.5	0
21/06/2023 08:50	3.8	194	13	5.2	0
21/06/2023 09:00	3.8	187	13	5.9	0
21/06/2023 09:10	2.2	162	25	3.6	0
21/06/2023 09:20	1.4	139	46	2.6	0
21/06/2023 09:30	1.6	172	36	2.7	0
21/06/2023 09:40	3	176	26	4.8	0
21/06/2023 09:50	3.6	191	16	5.2	0
21/06/2023 10:00	3.1	187	18	5.4	0
21/06/2023 10:10	2.9	188	16	4.8	0
21/06/2023 10:20	2.3	162	25	3.8	0
21/06/2023 10:30	2.1	128	31	3.3	0
21/06/2023 10:40	1.8	114	23	3.2	0
21/06/2023 10:50	2.4	129	26	4	0
21/06/2023 11:00	2.1	133	28	3.6	0
21/06/2023 11:10	2	119	28	3.2	0
21/06/2023 11:20	2.1	107	24	3.4	0
21/06/2023 11:30	2	101	18	3.5	0
21/06/2023 11:40	2	125	24	3.2	0
21/06/2023 11:50	1.8	69	25	3.1	0
21/06/2023 12:00	2.1	48	17	2.7	0
21/06/2023 12:10	1.6	67	35	2.2	0
21/06/2023 12:20	1.8	54	16	2.5	0
21/06/2023 12:30	2	49	17	2.7	0
21/06/2023 12:40	1.7	52	17	2.4	0
21/06/2023 12:50	1.6	40	21	2.1	0
21/06/2023 13:00	1.8	44	17	2.4	0
21/06/2023 13:10	1.8	47	17	2.2	0
21/06/2023 13:20	1.6	62	20	2.2	0
21/06/2023 13:30	1.8	57	18	2.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/06/2023 13:40	1.6	54	16	2.2	0
21/06/2023 13:50	2.5	58	10	3	0
21/06/2023 14:00	2.5	55	16	3.4	0
21/06/2023 14:10	1.6	25	28	2.6	0
21/06/2023 14:20	1.9	29	25	2.8	0
21/06/2023 14:30	2.4	61	11	3.3	0
21/06/2023 14:40	2.2	49	16	3.2	0
21/06/2023 14:50	2.7	305	34	4.6	0
21/06/2023 15:00	2.9	286	27	4.6	0
21/06/2023 15:10	2.6	290	27	4.6	0
21/06/2023 15:20	2.6	275	20	3.9	0
21/06/2023 15:30	2.4	277	26	3.8	0
21/06/2023 15:40	2.8	293	26	4.8	0
21/06/2023 15:50	2.6	278	23	4	0
21/06/2023 16:00	2.7	281	24	4.3	0
21/06/2023 16:10	2.7	273	22	4	0
21/06/2023 16:20	3.1	274	20	5.2	0
21/06/2023 16:30	2.7	283	27	4.3	0
21/06/2023 16:40	2.7	271	20	4.6	0
21/06/2023 16:50	2.2	265	40	4	0
21/06/2023 17:00	1.8	225	61	3.3	0
21/06/2023 17:10	2.4	265	39	3.9	0
21/06/2023 17:20	1.6	248	52	3.4	0
21/06/2023 17:30	1.6	240	60	3	0
21/06/2023 17:40	1.5	195	62	3.2	0
21/06/2023 17:50	1.4	214	50	2.7	0
21/06/2023 18:00	1.2	217	62	2.4	0
21/06/2023 18:10	1.4	190	36	2.6	0
21/06/2023 18:20	1.2	202	41	2	0
21/06/2023 18:30	1.3	197	25	1.9	0
21/06/2023 18:40	1.2	190	16	2	0
21/06/2023 18:50	1.2	199	16	2	0
21/06/2023 19:00	1.4	228	39	2.3	0
21/06/2023 19:10	1.4	200	19	2.3	0
21/06/2023 19:20	1.5	196	13	2	0
21/06/2023 19:30	1.2	193	15	1.8	0
21/06/2023 19:40	1	191	20	1.5	0
21/06/2023 19:50	1.3	204	15	1.7	0
21/06/2023 20:00	1.6	230	11	2	0
21/06/2023 20:10	1.4	228	27	2.6	0
21/06/2023 20:20	1.7	223	28	2.8	0
21/06/2023 20:30	1.7	216	27	3.2	0
21/06/2023 20:40	2.4	206	23	4	0
21/06/2023 20:50	2.5	208	25	4.4	0
21/06/2023 21:00	2.7	209	24	4.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
21/06/2023 21:10	3.3	212	19	5.1	0
21/06/2023 21:20	2.8	218	23	4.3	0
21/06/2023 21:30	3.7	216	18	5.6	0
21/06/2023 21:40	4.2	209	13	5.7	0
21/06/2023 21:50	4.6	199	14	6.9	0
21/06/2023 22:00	3.9	199	14	5.7	0
21/06/2023 22:10	3.5	198	17	5.1	0
21/06/2023 22:20	3.3	200	15	4.4	0
21/06/2023 22:30	2.8	202	13	4.6	0
21/06/2023 22:40	3.2	209	14	4.4	0
21/06/2023 22:50	2.8	205	16	4	0
21/06/2023 23:00	2.4	208	19	3.5	0
21/06/2023 23:10	3.1	204	12	4.8	0
21/06/2023 23:20	3.1	204	15	4.6	0
21/06/2023 23:30	3.3	200	14	4.4	0
21/06/2023 23:40	3	203	15	4.4	0
21/06/2023 23:50	3	201	14	4.6	0
22/06/2023 00:00	3.7	197	13	5.7	0
22/06/2023 00:10	3.9	199	11	5.2	0
22/06/2023 00:20	3.7	200	11	5.7	0
22/06/2023 00:30	3.9	203	14	5.4	0
22/06/2023 00:40	3.8	197	16	5.9	0
22/06/2023 00:50	3.4	198	12	4.7	0
22/06/2023 01:00	2.5	197	17	4	0
22/06/2023 01:10	2.3	198	14	3.2	0
22/06/2023 01:20	2.7	201	15	4	0
22/06/2023 01:30	1.9	204	19	3.3	0
22/06/2023 01:40	1.4	180	26	2.4	0
22/06/2023 01:50	1.2	169	36	2.3	0
22/06/2023 02:00	1.3	136	30	2.1	0
22/06/2023 02:10	0.6	141	31	1.4	0
22/06/2023 02:20	0.9	119	37	2.4	0
22/06/2023 02:30	1.6	119	26	3.8	0
22/06/2023 02:40	0.6	114	25	1.5	0
22/06/2023 02:50	1.4	102	34	2.6	0
22/06/2023 03:00	2	113	47	5	0
22/06/2023 03:10	2.2	143	25	4.2	0
22/06/2023 03:20	2.1	141	23	4	0
22/06/2023 03:30	1.8	119	26	3.2	0
22/06/2023 03:40	1.9	134	25	3.4	0
22/06/2023 03:50	1.7	118	27	3.5	0
22/06/2023 04:00	2.1	130	21	3.2	0
22/06/2023 04:10	1.9	133	24	3.2	0
22/06/2023 04:20	1.7	135	23	3.2	0
22/06/2023 04:30	2.2	148	22	3.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/06/2023 04:40	2.6	146	21	4	0
22/06/2023 04:50	2.3	134	28	4	0
22/06/2023 05:00	2.1	134	29	4	0
22/06/2023 05:10	1.8	142	27	3	0
22/06/2023 05:20	1.5	154	17	2.2	0
22/06/2023 05:30	2.3	153	14	3.2	0
22/06/2023 05:40	1.9	149	19	3.5	0
22/06/2023 05:50	2.5	154	22	3.9	0
22/06/2023 06:00	2	151	16	3.1	0
22/06/2023 06:10	2.2	158	16	3.1	0
22/06/2023 06:20	2.2	158	18	3.4	0
22/06/2023 06:30	1.9	151	15	2.8	0
22/06/2023 06:40	2.2	154	17	3.6	0
22/06/2023 06:50	1.8	147	21	3	0
22/06/2023 07:00	1.4	123	26	3.5	0
22/06/2023 07:10	2.2	113	17	3.6	0
22/06/2023 07:20	2.5	117	16	4.1	0
22/06/2023 07:30	2.4	104	14	3.6	0
22/06/2023 07:40	3.2	87	15	4.9	0
22/06/2023 07:50	3.2	93	20	4.5	0
22/06/2023 08:00	3.4	88	16	4.9	0
22/06/2023 08:10	3.4	81	16	4.8	0
22/06/2023 08:20	3.4	90	15	5.3	0
22/06/2023 08:30	4	84	16	5.9	0
22/06/2023 08:40	4	85	15	5.7	0
22/06/2023 08:50	3.1	93	21	4.7	0
22/06/2023 09:00	4.1	83	14	5.9	0
22/06/2023 09:10	4.3	86	18	6.5	0
22/06/2023 09:20	4.4	85	12	6.4	0
22/06/2023 09:30	3.6	102	20	5.5	0
22/06/2023 09:40	3.9	88	15	5.9	0
22/06/2023 09:50	3.7	87	14	5.2	0
22/06/2023 10:00	3.5	92	19	5.2	0
22/06/2023 10:10	3.7	90	20	5.3	0
22/06/2023 10:20	4.2	83	15	6.3	0
22/06/2023 10:30	4.3	87	16	6.5	0
22/06/2023 10:40	4.2	81	14	5.6	0
22/06/2023 10:50	4	89	19	5.6	0
22/06/2023 11:00	4	87	18	6.2	0
22/06/2023 11:10	4	83	15	5.9	0
22/06/2023 11:20	4.1	86	15	5.6	0
22/06/2023 11:30	4.1	82	13	5.7	0
22/06/2023 11:40	4.3	86	14	6.4	0
22/06/2023 11:50	4	86	13	5.5	0
22/06/2023 12:00	4.3	86	12	5.8	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/06/2023 12:10	3.8	86	13	5.5	0
22/06/2023 12:20	3.6	87	15	4.8	0
22/06/2023 12:30	3.4	84	15	5.2	0
22/06/2023 12:40	3.4	83	14	4.8	0
22/06/2023 12:50	3.3	87	14	4.5	0
22/06/2023 13:00	3.6	73	14	5.2	0
22/06/2023 13:10	3.4	70	14	5	0
22/06/2023 13:20	3.7	57	12	5.2	0
22/06/2023 13:30	4.1	57	11	5.2	0
22/06/2023 13:40	3.9	56	10	5.2	0
22/06/2023 13:50	3.7	58	12	5.1	0
22/06/2023 14:00	3.6	60	11	4.8	0
22/06/2023 14:10	3.4	54	14	4.8	0
22/06/2023 14:20	3.3	55	13	4.4	0
22/06/2023 14:30	3.4	57	15	4.6	0
22/06/2023 14:40	3.4	53	14	4.8	0
22/06/2023 14:50	3.4	48	13	5	0
22/06/2023 15:00	3.2	50	13	4.5	0
22/06/2023 15:10	3.4	48	14	4.7	0
22/06/2023 15:20	3.3	49	11	4.8	0
22/06/2023 15:30	3.1	50	12	4.7	0
22/06/2023 15:40	2.8	47	14	3.8	0
22/06/2023 15:50	2.8	49	13	4.1	0
22/06/2023 16:00	3	45	10	4.1	0
22/06/2023 16:10	2.8	44	13	3.9	0
22/06/2023 16:20	2.7	39	12	3.8	0
22/06/2023 16:30	2.7	42	11	3.6	0
22/06/2023 16:40	2.2	40	15	3.1	0
22/06/2023 16:50	2	40	14	2.9	0
22/06/2023 17:00	1.8	39	14	3	0
22/06/2023 17:10	1.9	40	12	2.9	0
22/06/2023 17:20	1.9	40	14	2.8	0
22/06/2023 17:30	1.3	40	16	2.4	0
22/06/2023 17:40	1	39	16	1.6	0
22/06/2023 17:50	0.5	49	16	1.1	0
22/06/2023 18:00	0.1	218	12	0.4	0
22/06/2023 18:10	0.5	202	19	1.1	0
22/06/2023 18:20	0.3	162	9	1.1	0
22/06/2023 18:30					0
22/06/2023 18:40					0
22/06/2023 18:50	0.4	285	15	0.8	0
22/06/2023 19:00					0
22/06/2023 19:10					0
22/06/2023 19:20	0.1	240	7	0.8	0
22/06/2023 19:30	1	249	8	1.7	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
22/06/2023 19:40	1.9	233	7	2.3	0
22/06/2023 19:50	2.3	226	11	3	0
22/06/2023 20:00	2.3	206	21	3.4	0
22/06/2023 20:10	2.9	195	11	3.9	0
22/06/2023 20:20	3.2	194	12	4.4	0
22/06/2023 20:30	3.7	192	11	5	0
22/06/2023 20:40	3.3	194	12	4.4	0
22/06/2023 20:50	3.3	195	12	4.3	0
22/06/2023 21:00	3	197	14	4	0
22/06/2023 21:10	3	192	13	4	0
22/06/2023 21:20	3	192	13	4.4	0
22/06/2023 21:30	2.3	196	23	3.6	0
22/06/2023 21:40	1.8	213	29	3.1	0
22/06/2023 21:50	1.6	216	26	3.2	0
22/06/2023 22:00	1.9	222	35	2.9	0
22/06/2023 22:10	1.9	239	27	2.8	0
22/06/2023 22:20	1.4	224	41	2.6	0
22/06/2023 22:30	1.8	220	38	3.4	0
22/06/2023 22:40	1	219	47	2	0
22/06/2023 22:50	1.2	216	34	2	0
22/06/2023 23:00	1	239	47	2.2	0
22/06/2023 23:10	1.7	203	28	2.9	0
22/06/2023 23:20	1.6	201	23	2.7	0
22/06/2023 23:30	1.7	198	24	3.1	0
22/06/2023 23:40	2.7	194	14	3.6	0
22/06/2023 23:50	3.3	193	12	4.4	0
23/06/2023 00:00	3.3	195	12	4.8	0
23/06/2023 00:10	3	191	12	4.1	0
23/06/2023 00:20	3.2	190	11	4.6	0
23/06/2023 00:30	2.9	191	13	4	0
23/06/2023 00:40	2.7	187	11	3.8	0
23/06/2023 00:50	2.2	189	17	3.2	0
23/06/2023 01:00	1.3	206	43	2.4	0
23/06/2023 01:10	0.5	221	43	1.2	0
23/06/2023 01:20	0.2	235	39	0.8	0
23/06/2023 01:30	0.9	180	34	1.5	0
23/06/2023 01:40	1	277	20	1.6	0
23/06/2023 01:50	1.2	271	8	1.6	0
23/06/2023 02:00	1.3	227	15	2	0
23/06/2023 02:10	1.3	206	18	2	0
23/06/2023 02:20	0.7	247	29	1.3	0
23/06/2023 02:30	1.1	308	17	1.6	0
23/06/2023 02:40	1.7	301	6	2	0
23/06/2023 02:50	1.4	286	6	1.8	0
23/06/2023 03:00	0.4	299	8	1.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/06/2023 03:10	0.5	190	5	1	0
23/06/2023 03:20	0.9	243	19	1.3	0
23/06/2023 03:30	0.6	233	13	1.4	0
23/06/2023 03:40	0.7	242	37	1.7	0
23/06/2023 03:50	1	252	28	1.6	0
23/06/2023 04:00	1.9	233	18	2.7	0
23/06/2023 04:10	1.8	248	17	2.3	0
23/06/2023 04:20	1.3	283	34	1.7	0
23/06/2023 04:30	0.3	80	10	0.9	0
23/06/2023 04:40					0
23/06/2023 04:50	0.9	107	39	1.6	0
23/06/2023 05:00	0.6	88	40	1.5	0
23/06/2023 05:10	0.4	16	22	1.1	0
23/06/2023 05:20	0.8	345	9	1.6	0
23/06/2023 05:30	0.2	309	5	0.8	0
23/06/2023 05:40	0.1	68	6	0.9	0
23/06/2023 05:50	1	85	12	1.4	0
23/06/2023 06:00	1.2	99	11	1.6	0
23/06/2023 06:10	1.5	113	12	2.2	0
23/06/2023 06:20	1.8	111	12	2.8	0
23/06/2023 06:30	1.8	113	13	2.6	0
23/06/2023 06:40	1.4	103	17	2.1	0
23/06/2023 06:50	1.3	101	18	1.9	0
23/06/2023 07:00	1.8	84	17	2.5	0
23/06/2023 07:10	2	84	15	3.4	0
23/06/2023 07:20	2.6	82	15	4	0
23/06/2023 07:30	2.5	88	17	3.6	0
23/06/2023 07:40	3.1	91	20	4.8	0
23/06/2023 07:50	3.2	91	17	5	0
23/06/2023 08:00	3.5	92	14	5	0
23/06/2023 08:10	3.4	93	16	5.2	0
23/06/2023 08:20	3.1	91	18	4.7	0
23/06/2023 08:30	3.2	88	17	4.8	0
23/06/2023 08:40	3.3	82	15	4.4	0
23/06/2023 08:50	3.1	95	15	4.5	0
23/06/2023 09:00	3.9	88	15	5.2	0
23/06/2023 09:10	3.5	86	14	4.9	0
23/06/2023 09:20	2.9	96	17	4.5	0
23/06/2023 09:30	3	101	18	4.3	0
23/06/2023 09:40	3.9	87	16	5.5	0
23/06/2023 09:50	4.4	83	13	5.7	0
23/06/2023 10:00	4.2	87	14	5.5	0
23/06/2023 10:10	4	85	12	5.6	0
23/06/2023 10:20	3.8	85	15	5.2	0
23/06/2023 10:30	3.8	80	16	5.4	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/06/2023 10:40	3.7	69	13	5.4	0
23/06/2023 10:50	3.9	71	15	5.6	0
23/06/2023 11:00	3.6	70	16	5.4	0
23/06/2023 11:10	4.1	72	15	5.8	0
23/06/2023 11:20	4.2	73	13	5.7	0
23/06/2023 11:30	4.1	68	15	5.7	0
23/06/2023 11:40	4	68	15	5.7	0
23/06/2023 11:50	3.7	75	13	5.2	0
23/06/2023 12:00	3.7	75	14	5.5	0
23/06/2023 12:10	3.8	67	16	5.2	0
23/06/2023 12:20	3.9	74	15	6	0
23/06/2023 12:30	3.7	76	17	5	0
23/06/2023 12:40	3.5	71	16	5	0
23/06/2023 12:50	3.4	66	15	5.2	0
23/06/2023 13:00	3.4	73	16	5.1	0
23/06/2023 13:10	3.7	58	11	4.9	0
23/06/2023 13:20	3.6	59	12	5.1	0
23/06/2023 13:30	3.8	57	11	4.9	0
23/06/2023 13:40	4	60	10	5.2	0
23/06/2023 13:50	3.7	61	12	4.7	0
23/06/2023 14:00	3.3	53	14	4.3	0
23/06/2023 14:10	3	55	15	4.2	0
23/06/2023 14:20	3.2	50	12	4.5	0
23/06/2023 14:30	3.1	50	13	4.2	0
23/06/2023 14:40	3	41	14	4.1	0
23/06/2023 14:50	3	44	10	4.1	0
23/06/2023 15:00	2.8	48	13	3.9	0
23/06/2023 15:10	2.9	42	15	4	0
23/06/2023 15:20	2.9	46	12	3.9	0
23/06/2023 15:30	3	44	15	4	0
23/06/2023 15:40	3	50	13	3.9	0
23/06/2023 15:50	2.8	49	11	3.7	0
23/06/2023 16:00	2.8	50	12	3.6	0
23/06/2023 16:10	2.4	50	11	3.2	0
23/06/2023 16:20	2.1	57	16	3	0
23/06/2023 16:30	2.3	53	13	3.2	0
23/06/2023 16:40	2	49	12	2.8	0
23/06/2023 16:50	1.9	51	10	2.8	0
23/06/2023 17:00	1.6	49	14	2.2	0
23/06/2023 17:10	0.4	38	10	1.1	0
23/06/2023 17:20	0.2	32	3	1.1	0
23/06/2023 17:30	0.3	329	17	1.1	0
23/06/2023 17:40	0.9	346	11	1.2	0
23/06/2023 17:50	0.6	315	10	1.3	0
23/06/2023 18:00	1.4	301	9	1.9	0



Yara Pilbara Nitrates- Hearson Cove  
2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
23/06/2023 18:10	1.1	300	12	1.5	0
23/06/2023 18:20	1.1	278	20	1.6	0
23/06/2023 18:30	1.2	261	16	2.2	0
23/06/2023 18:40	0.6	266	26	1.1	0
23/06/2023 18:50	1	265	20	1.6	0
23/06/2023 19:00	0.7	251	29	1.3	0
23/06/2023 19:10	0.8	270	24	1.4	0
23/06/2023 19:20	0.5	198	18	0.9	0
23/06/2023 19:30	0.2	276	10	0.6	0
23/06/2023 19:40	0.5	272	11	0.9	0
23/06/2023 19:50	0.4	269	15	0.9	0
23/06/2023 20:00	0.6	222	20	0.8	0
23/06/2023 20:10	0.8	274	12	1.2	0
23/06/2023 20:20	0.6	197	14	1.2	0
23/06/2023 20:30	1.5	197	8	1.9	0
23/06/2023 20:40	1.6	202	9	2.1	0
23/06/2023 20:50	1.5	198	8	2	0
23/06/2023 21:00	1.6	200	12	2	0
23/06/2023 21:10	2	209	9	2.5	0
23/06/2023 21:20	1.9	203	10	2.5	0
23/06/2023 21:30	2	208	10	2.5	0
23/06/2023 21:40	1.7	212	10	2.3	0
23/06/2023 21:50	1.8	217	9	2.4	0
23/06/2023 22:00	1.2	221	16	2	0
23/06/2023 22:10	1.4	227	23	2	0
23/06/2023 22:20	0.9	291	13	1.6	0
23/06/2023 22:30	1.3	287	5	1.6	0
23/06/2023 22:40	0.4	279	11	0.8	0
23/06/2023 22:50					0
23/06/2023 23:00	0.2	190	11	0.8	0
23/06/2023 23:10	1	195	17	1.5	0
23/06/2023 23:20	1.3	206	18	2	0
23/06/2023 23:30	0.9	179	34	1.8	0
23/06/2023 23:40	1.4	299	11	1.9	0
23/06/2023 23:50	1.6	294	10	2.3	0
24/06/2023 00:00	1.7	299	6	2	0
24/06/2023 00:10	1.6	297	5	1.9	0
24/06/2023 00:20	0.5	233	19	1	0
24/06/2023 00:30	0.9	261	23	1.3	0
24/06/2023 00:40	0.1	213	3	0.9	0
24/06/2023 00:50	0.7	237	24	1.3	0
24/06/2023 01:00	1.1	304	35	1.7	0
24/06/2023 01:10	1.7	293	6	2	0
24/06/2023 01:20	1.1	303	14	1.4	0
24/06/2023 01:30	0.7	308	25	1.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/06/2023 01:40	1.1	309	20	1.6	0
24/06/2023 01:50	0.5	272	38	1.5	0
24/06/2023 02:00	0.5	231	54	1.1	0
24/06/2023 02:10	0.9	185	16	1.6	0
24/06/2023 02:20	1.3	203	10	1.7	0
24/06/2023 02:30	1.5	198	10	2	0
24/06/2023 02:40	1.5	222	10	1.8	0
24/06/2023 02:50	1.3	241	13	1.7	0
24/06/2023 03:00	1.2	241	26	2.2	0
24/06/2023 03:10	1.4	272	19	2	0
24/06/2023 03:20	1.4	260	14	2	0
24/06/2023 03:30	0.7	305	50	1.3	0
24/06/2023 03:40	1.4	215	21	2.1	0
24/06/2023 03:50	2.7	203	13	3.6	0
24/06/2023 04:00	3.7	198	11	5.2	0
24/06/2023 04:10	2	120	49	3.3	0
24/06/2023 04:20	1.6	151	69	3	0
24/06/2023 04:30	2.1	178	25	3.2	0
24/06/2023 04:40	1.7	154	21	3.2	0
24/06/2023 04:50	2.7	153	18	4.4	0
24/06/2023 05:00	3.2	157	16	5	0
24/06/2023 05:10	3.5	164	14	4.8	0
24/06/2023 05:20	3.2	164	14	4.9	0
24/06/2023 05:30	3.1	151	17	4.6	0
24/06/2023 05:40	2.4	150	16	3.5	0
24/06/2023 05:50	2.3	130	18	4.1	0
24/06/2023 06:00	2.8	136	21	5.1	0
24/06/2023 06:10	2.7	142	18	4.5	0
24/06/2023 06:20	2.7	125	20	4	0
24/06/2023 06:30	2.8	128	19	4.3	0
24/06/2023 06:40	2.9	123	15	4.1	0
24/06/2023 06:50	2.4	118	13	3.5	0
24/06/2023 07:00	1.9	89	18	2.9	0
24/06/2023 07:10	1.8	103	12	2.6	0
24/06/2023 07:20	1.6	107	13	2.4	0
24/06/2023 07:30	1.7	112	10	2.3	0
24/06/2023 07:40	1.4	111	15	2.2	0
24/06/2023 07:50	1.8	104	18	2.9	0
24/06/2023 08:00	2	96	20	2.8	0
24/06/2023 08:10	2.1	115	19	3.2	0
24/06/2023 08:20	2	119	25	3	0
24/06/2023 08:30	1.7	129	35	3.1	0
24/06/2023 08:40	3.7	116	23	6.3	0
24/06/2023 08:50	4.3	119	19	6.5	0
24/06/2023 09:00	4.7	121	18	6.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/06/2023 09:10	4.4	117	16	6.4	0
24/06/2023 09:20	4	115	18	6.5	0
24/06/2023 09:30	4.2	116	22	7.2	0
24/06/2023 09:40	4.1	95	23	6.6	0
24/06/2023 09:50	4.1	92	21	7.3	0
24/06/2023 10:00	5.2	82	14	7.6	0
24/06/2023 10:10	4.6	89	17	7.1	0
24/06/2023 10:20	5.4	85	14	8.1	0
24/06/2023 10:30	5	83	15	7.1	0
24/06/2023 10:40	5.2	85	15	7.2	0
24/06/2023 10:50	5.2	81	16	7.4	0
24/06/2023 11:00	5.5	82	13	7.5	0
24/06/2023 11:10	4.9	86	14	7	0
24/06/2023 11:20	5	87	15	7.3	0
24/06/2023 11:30	4.3	81	14	6.1	0
24/06/2023 11:40	3.9	82	15	5.3	0
24/06/2023 11:50	4.1	83	15	5.9	0
24/06/2023 12:00	4.3	87	15	5.5	0
24/06/2023 12:10	4.4	81	13	6	0
24/06/2023 12:20	4	74	16	6.2	0
24/06/2023 12:30	3.9	70	15	5.6	0
24/06/2023 12:40	3.7	65	15	5.5	0
24/06/2023 12:50	4.7	55	12	6.1	0
24/06/2023 13:00	4.7	57	9	6.2	0
24/06/2023 13:10	4.1	58	12	5.7	0
24/06/2023 13:20	4.3	59	13	5.6	0
24/06/2023 13:30	4.2	58	10	5.6	0
24/06/2023 13:40	3.7	58	13	5.2	0
24/06/2023 13:50	4	57	9	5.1	0
24/06/2023 14:00	3.4	53	15	4.9	0
24/06/2023 14:10	3.7	59	10	5	0
24/06/2023 14:20	3.3	51	14	4.5	0
24/06/2023 14:30	3.3	47	12	4.4	0
24/06/2023 14:40	3.1	44	13	4.7	0
24/06/2023 14:50	3.2	41	13	4.5	0
24/06/2023 15:00	3.5	43	11	4.6	0
24/06/2023 15:10	3.3	46	12	4.4	0
24/06/2023 15:20	3.3	41	14	4.3	0
24/06/2023 15:30	3.3	44	13	4.3	0
24/06/2023 15:40	2.8	39	13	3.7	0
24/06/2023 15:50	2.8	40	12	3.9	0
24/06/2023 16:00	2.7	40	14	3.7	0
24/06/2023 16:10	2.5	41	15	3.5	0
24/06/2023 16:20	2.3	43	13	3.1	0
24/06/2023 16:30	2.1	39	16	3.4	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
24/06/2023 16:40	2.3	39	13	3.3	0
24/06/2023 16:50	2	42	13	2.8	0
24/06/2023 17:00	1.8	39	15	2.6	0
24/06/2023 17:10	1.6	24	13	2.8	0
24/06/2023 17:20	1.4	5	19	2.2	0
24/06/2023 17:30	0.9	31	36	2	0
24/06/2023 17:40	0.4	209	21	0.8	0
24/06/2023 17:50	0.8	140	21	1.1	0
24/06/2023 18:00	0.7	153	20	1.2	0
24/06/2023 18:10	0.8	157	33	1.2	0
24/06/2023 18:20	0.5	157	20	1	0
24/06/2023 18:30	0.7	156	22	1.2	0
24/06/2023 18:40	0.6	173	11	1.1	0
24/06/2023 18:50	0.7	184	19	1	0
24/06/2023 19:00	0.5	161	20	0.9	0
24/06/2023 19:10	0.2	25	14	0.8	0
24/06/2023 19:20	0.3	98	14	0.8	0
24/06/2023 19:30	0.1	198	3	0.8	0
24/06/2023 19:40	0.3	210	3	0.9	0
24/06/2023 19:50					0
24/06/2023 20:00	0.3	200	4	0.8	0
24/06/2023 20:10	0.3	176	6	0.6	0
24/06/2023 20:20	0.5	194	16	0.8	0
24/06/2023 20:30	0.6	199	14	0.9	0
24/06/2023 20:40	0.5	344	4	1.1	0
24/06/2023 20:50	0.4	161	5	0.9	0
24/06/2023 21:00	0.6	143	17	0.9	0
24/06/2023 21:10					0
24/06/2023 21:20	0.7	144	32	1.3	0
24/06/2023 21:30	1	98	31	1.6	0
24/06/2023 21:40	2.6	170	18	3.9	0
24/06/2023 21:50	2.8	187	11	3.6	0
24/06/2023 22:00	3.2	193	8	3.9	0
24/06/2023 22:10	3.2	198	7	3.8	0
24/06/2023 22:20	1.2	102	54	2.2	0
24/06/2023 22:30	1.1	272	23	2.1	0
24/06/2023 22:40	1.5	234	25	2.4	0
24/06/2023 22:50	1.9	253	20	2.9	0
24/06/2023 23:00	2.4	259	10	3	0
24/06/2023 23:10	2.1	222	13	2.6	0
24/06/2023 23:20	2	263	16	2.7	0
24/06/2023 23:30	1.1	242	48	2.1	0
24/06/2023 23:40	1.1	213	36	2	0
24/06/2023 23:50	1.4	299	23	2.4	0
25/06/2023 00:00	1.7	297	7	2.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/06/2023 00:10	0.5	224	15	1.2	0
25/06/2023 00:20	1.2	243	38	2.1	0
25/06/2023 00:30	1.1	268	29	1.7	0
25/06/2023 00:40	1.4	236	21	2.2	0
25/06/2023 00:50	1.2	263	28	2.1	0
25/06/2023 01:00	0.8	271	50	1.4	0
25/06/2023 01:10	0.8	280	77	1.5	0
25/06/2023 01:20	1.2	238	45	2.1	0
25/06/2023 01:30	1.1	216	52	2.7	0
25/06/2023 01:40	1.1	206	77	2.8	0
25/06/2023 01:50	2.4	196	18	3.3	0
25/06/2023 02:00	3.4	198	9	4.3	0
25/06/2023 02:10	3.2	202	8	4	0
25/06/2023 02:20	3.3	200	8	4.2	0
25/06/2023 02:30	3.6	202	9	4.7	0
25/06/2023 02:40	3.6	199	9	4.4	0
25/06/2023 02:50	3.5	198	9	4.5	0
25/06/2023 03:00	3.3	197	8	4.2	0
25/06/2023 03:10	3.1	201	9	4	0
25/06/2023 03:20	3.6	195	11	5	0
25/06/2023 03:30	3.4	198	9	4.5	0
25/06/2023 03:40	3.7	197	10	4.8	0
25/06/2023 03:50	3.8	195	11	4.9	0
25/06/2023 04:00	3.5	196	10	4.7	0
25/06/2023 04:10	3.4	197	10	5	0
25/06/2023 04:20	3.2	198	10	4.1	0
25/06/2023 04:30	3.1	200	10	4	0
25/06/2023 04:40	3.2	200	9	4.4	0
25/06/2023 04:50	3.1	202	10	4.3	0
25/06/2023 05:00	3.6	198	11	4.8	0
25/06/2023 05:10	3.6	198	10	4.8	0
25/06/2023 05:20	3.5	199	9	4.4	0
25/06/2023 05:30	2.9	197	11	3.7	0
25/06/2023 05:40	2.3	193	13	3.3	0
25/06/2023 05:50	2.4	184	15	3.6	0
25/06/2023 06:00	2.5	181	19	3.6	0
25/06/2023 06:10	1.7	187	58	2.8	0
25/06/2023 06:20	2	193	32	3.8	0
25/06/2023 06:30	2.7	181	19	3.7	0
25/06/2023 06:40	2.5	185	21	3.8	0
25/06/2023 06:50	2.5	183	34	4.1	0
25/06/2023 07:00	4	163	14	5.6	0
25/06/2023 07:10	3.7	164	14	5.2	0
25/06/2023 07:20	2.8	169	14	4.4	0
25/06/2023 07:30	2.5	154	18	3.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/06/2023 07:40	3.3	145	16	5.1	0
25/06/2023 07:50	3.1	142	15	4.5	0
25/06/2023 08:00	2.8	149	18	4.4	0
25/06/2023 08:10	3	168	15	4.5	0
25/06/2023 08:20	3.5	170	13	4.8	0
25/06/2023 08:30	3.4	164	14	4.8	0
25/06/2023 08:40	3.2	150	17	4.5	0
25/06/2023 08:50	3.5	141	14	4.9	0
25/06/2023 09:00	3.3	150	15	4.4	0
25/06/2023 09:10	2.9	144	16	3.9	0
25/06/2023 09:20	3.1	145	16	4.6	0
25/06/2023 09:30	2.8	136	18	3.9	0
25/06/2023 09:40	2.5	131	22	3.8	0
25/06/2023 09:50	2	125	23	3.5	0
25/06/2023 10:00	2.2	142	20	3.4	0
25/06/2023 10:10	2.3	107	16	3.3	0
25/06/2023 10:20	2.4	98	14	3.5	0
25/06/2023 10:30	2.2	91	15	3.2	0
25/06/2023 10:40	1.9	75	24	2.8	0
25/06/2023 10:50	1.8	57	19	2.6	0
25/06/2023 11:00	1.7	70	27	2.5	0
25/06/2023 11:10	1.7	73	33	2.8	0
25/06/2023 11:20	1.8	86	28	3.1	0
25/06/2023 11:30	2.2	62	24	3.2	0
25/06/2023 11:40	2.3	55	16	3	0
25/06/2023 11:50	2.2	48	13	3.2	0
25/06/2023 12:00	2.4	66	13	3.2	0
25/06/2023 12:10	2.6	54	15	3.5	0
25/06/2023 12:20	3.1	58	11	4	0
25/06/2023 12:30	2.9	64	14	3.8	0
25/06/2023 12:40	3.1	55	15	4.4	0
25/06/2023 12:50	3.3	57	14	4.3	0
25/06/2023 13:00	3.4	49	15	5.2	0
25/06/2023 13:10	3.6	51	12	5	0
25/06/2023 13:20	3.7	48	11	4.9	0
25/06/2023 13:30	3.9	53	13	5.5	0
25/06/2023 13:40	3.8	51	14	5.1	0
25/06/2023 13:50	3.5	45	13	4.9	0
25/06/2023 14:00	3.4	47	12	4.8	0
25/06/2023 14:10	3.5	45	12	4.7	0
25/06/2023 14:20	3	48	14	4.2	0
25/06/2023 14:30	3.2	60	13	4.6	0
25/06/2023 14:40	3.1	49	16	4.7	0
25/06/2023 14:50	3.3	52	14	4.4	0
25/06/2023 15:00	2.8	55	14	4.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/06/2023 15:10	3.1	48	13	4.2	0
25/06/2023 15:20	2.9	48	15	4.2	0
25/06/2023 15:30	2.3	46	16	3	0
25/06/2023 15:40	2.3	52	13	3.2	0
25/06/2023 15:50	2.4	48	15	3.4	0
25/06/2023 16:00	2.4	52	12	3.5	0
25/06/2023 16:10	2.1	50	12	3	0
25/06/2023 16:20	2.5	45	10	3.6	0
25/06/2023 16:30	2.3	41	12	3.2	0
25/06/2023 16:40	2.3	41	13	3.2	0
25/06/2023 16:50	2.4	44	12	3.4	0
25/06/2023 17:00	2.1	39	12	3.1	0
25/06/2023 17:10	1.7	33	14	2.8	0
25/06/2023 17:20	1.6	34	13	2.4	0
25/06/2023 17:30	1.3	19	21	2.3	0
25/06/2023 17:40	0.5	172	7	1	0
25/06/2023 17:50					0
25/06/2023 18:00	0.6	345	13	1.2	0
25/06/2023 18:10	0.9	329	7	1.3	0
25/06/2023 18:20	1.1	328	6	1.4	0
25/06/2023 18:30	1.3	314	13	1.9	0
25/06/2023 18:40	1.3	300	11	1.7	0
25/06/2023 18:50	1.1	294	14	1.4	0
25/06/2023 19:00	1	272	16	1.3	0
25/06/2023 19:10	1.1	273	14	1.5	0
25/06/2023 19:20	0.4	270	16	1.2	0
25/06/2023 19:30	0.6	295	18	0.9	0
25/06/2023 19:40	0.5	318	22	1.1	0
25/06/2023 19:50	0.7	333	13	1.2	0
25/06/2023 20:00	0.7	237	19	1.3	0
25/06/2023 20:10	0.5	238	24	1.1	0
25/06/2023 20:20	0.5	315	14	1.2	0
25/06/2023 20:30	0.8	220	25	1.8	0
25/06/2023 20:40	1.1	187	12	1.5	0
25/06/2023 20:50	0.8	197	15	1.5	0
25/06/2023 21:00	0.3	234	3	0.9	0
25/06/2023 21:10	0.5	273	22	1.2	0
25/06/2023 21:20	1.4	194	11	2	0
25/06/2023 21:30	1.4	195	8	1.8	0
25/06/2023 21:40	1.7	198	7	2.1	0
25/06/2023 21:50	1.7	196	7	2.2	0
25/06/2023 22:00	1.4	191	8	1.7	0
25/06/2023 22:10	0.9	185	10	1.2	0
25/06/2023 22:20	0.5	222	10	1.1	0
25/06/2023 22:30	0.9	191	13	1.6	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
25/06/2023 22:40	0.7	268	9	1.4	0
25/06/2023 22:50	1.7	214	14	2.3	0
25/06/2023 23:00	1.5	222	28	2.4	0
25/06/2023 23:10	1.1	206	31	2.3	0
25/06/2023 23:20	0.9	193	24	2	0
25/06/2023 23:30	1	211	32	2	0
25/06/2023 23:40	1	210	39	1.9	0
25/06/2023 23:50	1.6	215	23	2.5	0
26/06/2023 00:00	0.8	254	33	1.5	0
26/06/2023 00:10	1.1	304	26	1.5	0
26/06/2023 00:20	0.8	258	45	1.6	0
26/06/2023 00:30	1.3	236	45	2.4	0
26/06/2023 00:40	1.6	221	40	3	0
26/06/2023 00:50	1.1	271	34	2.1	0
26/06/2023 01:00	0.7	274	47	1.8	0
26/06/2023 01:10	1.4	267	28	2.8	0
26/06/2023 01:20	1.4	225	68	3.2	0
26/06/2023 01:30	2.5	200	27	4.1	0
26/06/2023 01:40	2.3	203	23	4	0
26/06/2023 01:50	2.3	197	20	3.2	0
26/06/2023 02:00	1.7	209	33	3.2	0
26/06/2023 02:10	1.3	217	38	2	0
26/06/2023 02:20	1	225	48	2	0
26/06/2023 02:30	1.8	194	27	3.6	0
26/06/2023 02:40	2.9	199	21	4.1	0
26/06/2023 02:50	3.1	200	12	4.1	0
26/06/2023 03:00	2.9	200	12	3.8	0
26/06/2023 03:10	2.8	204	11	4	0
26/06/2023 03:20	2.6	197	11	3.5	0
26/06/2023 03:30	2.6	194	11	3.4	0
26/06/2023 03:40	3.2	195	11	4.1	0
26/06/2023 03:50	3.4	196	9	4.5	0
26/06/2023 04:00	2.7	192	12	3.9	0
26/06/2023 04:10	1.9	189	13	2.6	0
26/06/2023 04:20	2.3	184	11	3.5	0
26/06/2023 04:30	3.4	184	11	4.5	0
26/06/2023 04:40	4.1	182	11	5.6	0
26/06/2023 04:50	4.2	181	11	5.4	0
26/06/2023 05:00	4.2	184	12	5.3	0
26/06/2023 05:10	4.5	190	10	5.8	0
26/06/2023 05:20	4.7	191	11	6	0
26/06/2023 05:30	4.9	193	9	6	0
26/06/2023 05:40	4.8	192	10	6.4	0
26/06/2023 05:50	4.7	191	10	6.4	0
26/06/2023 06:00	5	192	11	6.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/06/2023 06:10	5.2	188	11	7.2	0
26/06/2023 06:20	5	188	10	6.8	0
26/06/2023 06:30	5.6	194	7	7	0
26/06/2023 06:40	5.9	194	8	7.2	0
26/06/2023 06:50	5.5	194	11	7.4	0
26/06/2023 07:00	5.6	193	10	6.8	0
26/06/2023 07:10	5.5	193	12	6.8	0
26/06/2023 07:20	5.6	191	10	7.2	0
26/06/2023 07:30	5.6	192	9	7.3	0
26/06/2023 07:40	5.2	191	10	6.8	0
26/06/2023 07:50	4.8	191	12	6.8	0
26/06/2023 08:00	4.7	189	12	6.8	0
26/06/2023 08:10	4.6	191	12	6.3	0
26/06/2023 08:20	3.8	187	16	5.8	0
26/06/2023 08:30	3.6	193	15	4.8	0
26/06/2023 08:40	3.1	180	18	4.7	0
26/06/2023 08:50	2.4	161	28	4.3	0
26/06/2023 09:00	2.5	142	26	3.8	0
26/06/2023 09:10	2.7	145	22	4.7	0
26/06/2023 09:20	2.5	158	23	4.4	0
26/06/2023 09:30	2.9	139	15	4.4	0
26/06/2023 09:40	2.8	147	17	4	0
26/06/2023 09:50	2.7	121	17	4	0
26/06/2023 10:00	2.2	133	22	3.6	0
26/06/2023 10:10	2.5	108	20	3.6	0
26/06/2023 10:20	2	115	24	3.3	0
26/06/2023 10:30	2	110	22	2.7	0
26/06/2023 10:40	2.2	111	18	2.8	0
26/06/2023 10:50	2.3	107	12	3.1	0
26/06/2023 11:00	1.8	114	20	2.4	0
26/06/2023 11:10	2.3	106	15	3.2	0
26/06/2023 11:20	1.8	149	26	3	0
26/06/2023 11:30	1.7	162	29	2.6	0
26/06/2023 11:40	1.7	188	64	3.1	0
26/06/2023 11:50	2.3	79	15	2.8	0
26/06/2023 12:00	2.2	71	16	3	0
26/06/2023 12:10	1.3	129	56	2.4	0
26/06/2023 12:20	2.1	155	50	4.3	0
26/06/2023 12:30	2.5	202	22	4.4	0
26/06/2023 12:40	1.6	137	40	3.1	0
26/06/2023 12:50	2.1	98	45	4	0
26/06/2023 13:00	3.5	55	10	4.7	0
26/06/2023 13:10	3.3	48	11	4.1	0
26/06/2023 13:20	3.3	46	10	4.5	0
26/06/2023 13:30	2.9	42	13	4.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/06/2023 13:40	3	41	19	4.4	0
26/06/2023 13:50	3.3	47	14	4.5	0
26/06/2023 14:00	3.2	19	16	4.4	0
26/06/2023 14:10	3	174	17	4.5	0
26/06/2023 14:20	2.7	329	19	4	0
26/06/2023 14:30	2.9	323	21	4.7	0
26/06/2023 14:40	2.9	323	15	4.3	0
26/06/2023 14:50	2.6	327	16	3.8	0
26/06/2023 15:00	2.3	320	24	3.2	0
26/06/2023 15:10	2.3	300	23	3.4	0
26/06/2023 15:20	2.2	279	17	3.6	0
26/06/2023 15:30	2.2	287	24	3.6	0
26/06/2023 15:40	2	282	23	3.4	0
26/06/2023 15:50	1.9	272	26	3.3	0
26/06/2023 16:00	1.8	261	41	3.2	0
26/06/2023 16:10	1.8	247	38	3.2	0
26/06/2023 16:20	2.1	276	30	3.5	0
26/06/2023 16:30	2.2	275	31	3.3	0
26/06/2023 16:40	1.8	274	42	3.3	0
26/06/2023 16:50	1.9	284	32	3.2	0
26/06/2023 17:00	2.3	289	26	3.5	0
26/06/2023 17:10	1.9	298	25	2.9	0
26/06/2023 17:20	1.7	280	21	2.8	0
26/06/2023 17:30	1.9	274	18	2.8	0
26/06/2023 17:40	1.7	283	20	2.6	0
26/06/2023 17:50	1.6	277	19	2.6	0
26/06/2023 18:00	1.5	269	18	2.4	0
26/06/2023 18:10	1.4	279	17	2	0
26/06/2023 18:20	1.3	274	19	2	0
26/06/2023 18:30	1.2	290	17	1.8	0
26/06/2023 18:40	1.4	311	17	1.9	0
26/06/2023 18:50	1.1	305	13	1.5	0
26/06/2023 19:00	0.8	275	24	1.5	0
26/06/2023 19:10	0.8	214	23	1.5	0
26/06/2023 19:20	0.8	216	33	1.4	0
26/06/2023 19:30	0.2	220	35	0.8	0
26/06/2023 19:40	0.4	316	14	1	0
26/06/2023 19:50	1.4	336	16	1.8	0
26/06/2023 20:00	1.4	332	11	1.6	0
26/06/2023 20:10	0.8	307	10	1.1	0
26/06/2023 20:20	0.9	314	10	1.2	0
26/06/2023 20:30	1	290	15	1.4	0
26/06/2023 20:40	0.6	255	28	1	0
26/06/2023 20:50	1.1	197	13	1.7	0
26/06/2023 21:00	0.5	255	47	1.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
26/06/2023 21:10	0.8	319	47	1.2	0
26/06/2023 21:20	1.2	274	40	2.7	0
26/06/2023 21:30	3.7	198	15	5.3	0
26/06/2023 21:40	3.9	197	13	5.7	0
26/06/2023 21:50	3.9	194	11	5.3	0
26/06/2023 22:00	4.2	190	11	5.5	0
26/06/2023 22:10	3.6	196	12	4.8	0
26/06/2023 22:20	4.3	191	11	6	0
26/06/2023 22:30	4.1	190	11	5.2	0
26/06/2023 22:40	4.7	192	13	6	0
26/06/2023 22:50	4.9	188	10	6.3	0
26/06/2023 23:00	4.9	187	12	7.1	0
26/06/2023 23:10	5.3	189	13	7.9	0
26/06/2023 23:20	5.8	194	11	7.8	0
26/06/2023 23:30	5.8	196	12	8.2	0
26/06/2023 23:40	5.7	194	12	8.1	0
26/06/2023 23:50	6.4	195	11	8.6	0
27/06/2023 00:00	6.1	192	12	8.1	0
27/06/2023 00:10	5.9	196	11	7.8	0
27/06/2023 00:20	6.1	194	10	8.6	0
27/06/2023 00:30	5.9	192	13	8.1	0
27/06/2023 00:40	5.6	194	12	7.7	0
27/06/2023 00:50	5.3	191	13	7.3	0
27/06/2023 01:00	5.2	190	11	6.9	0
27/06/2023 01:10	5.1	194	12	7.3	0
27/06/2023 01:20	3.8	187	16	6	0
27/06/2023 01:30	3.8	184	17	6.2	0
27/06/2023 01:40	3.5	181	19	6.1	0
27/06/2023 01:50	2.9	154	20	4.5	0
27/06/2023 02:00	3.2	153	20	5.1	0
27/06/2023 02:10	2.8	151	22	4.3	0
27/06/2023 02:20	3.1	145	21	4.7	0
27/06/2023 02:30	2.9	150	19	4.1	0
27/06/2023 02:40	3.1	155	16	4.4	0
27/06/2023 02:50	2.7	157	15	4.2	0
27/06/2023 03:00	2.9	157	17	4.7	0
27/06/2023 03:10	3.5	182	18	5.1	0
27/06/2023 03:20	3.9	186	14	6	0
27/06/2023 03:30	2.6	162	22	4.2	0
27/06/2023 03:40	3	174	17	4.4	0
27/06/2023 03:50	3.6	175	20	5.4	0
27/06/2023 04:00	3.6	170	17	5.6	0
27/06/2023 04:10	3.7	174	16	5.5	0
27/06/2023 04:20	4	180	17	5.6	0
27/06/2023 04:30	3.1	160	19	4.6	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/06/2023 04:40	3	155	16	4.8	0
27/06/2023 04:50	2.7	155	17	3.6	0
27/06/2023 05:00	3.6	157	16	5.1	0
27/06/2023 05:10	2.8	162	21	4.1	0
27/06/2023 05:20	3.6	172	23	5.8	0
27/06/2023 05:30	3.2	178	20	4.8	0
27/06/2023 05:40	3.1	176	18	4.6	0
27/06/2023 05:50	3	173	24	4.6	0
27/06/2023 06:00	2.5	166	22	3.6	0
27/06/2023 06:10	2.5	161	27	4.2	0
27/06/2023 06:20	1.9	168	24	3	0
27/06/2023 06:30	2.6	141	27	4.8	0
27/06/2023 06:40	2.1	125	28	3.5	0
27/06/2023 06:50	2.8	125	19	4.4	0
27/06/2023 07:00	2.8	152	21	4.2	0
27/06/2023 07:10	3.1	146	20	5.2	0
27/06/2023 07:20	3.8	131	21	6.4	0
27/06/2023 07:30	4.6	126	22	7	0
27/06/2023 07:40	4.2	122	19	6.8	0
27/06/2023 07:50	3.9	130	21	5.9	0
27/06/2023 08:00	3.9	134	23	6.4	0
27/06/2023 08:10	3.9	124	20	5.6	0
27/06/2023 08:20	3.7	130	18	5.8	0
27/06/2023 08:30	3.2	142	24	5.6	0
27/06/2023 08:40	3.2	117	28	6.4	0
27/06/2023 08:50	3.7	114	19	5.6	0
27/06/2023 09:00	4	115	19	6	0
27/06/2023 09:10	3.9	112	20	5.8	0
27/06/2023 09:20	3.2	107	21	5.5	0
27/06/2023 09:30	4	98	19	6.6	0
27/06/2023 09:40	4.2	100	20	6.4	0
27/06/2023 09:50	4	94	20	6.4	0
27/06/2023 10:00	3.9	99	20	6.1	0
27/06/2023 10:10	4.2	109	24	7.2	0
27/06/2023 10:20	4.1	113	23	7.5	0
27/06/2023 10:30	4.1	104	21	6.6	0
27/06/2023 10:40	4.1	108	20	6.3	0
27/06/2023 10:50	3.8	97	21	5.9	0
27/06/2023 11:00	3.8	102	22	6.4	0
27/06/2023 11:10	3.4	110	25	6	0
27/06/2023 11:20	3.3	107	25	6.1	0
27/06/2023 11:30	3.1	100	25	5	0
27/06/2023 11:40	3.2	107	25	4.8	0
27/06/2023 11:50	3.3	87	20	5.1	0
27/06/2023 12:00	2.9	94	22	4.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/06/2023 12:10	3.1	93	19	4.8	0
27/06/2023 12:20	3.3	86	17	4.5	0
27/06/2023 12:30	3.3	87	15	5	0
27/06/2023 12:40	3.7	81	12	4.8	0
27/06/2023 12:50	3.4	83	15	4.7	0
27/06/2023 13:00	2.8	71	18	3.8	0
27/06/2023 13:10	2.9	75	16	4	0
27/06/2023 13:20	2.6	67	18	3.5	0
27/06/2023 13:30	3.5	51	10	4.8	0
27/06/2023 13:40	3.6	50	13	4.7	0
27/06/2023 13:50	3.3	50	12	4.8	0
27/06/2023 14:00	3.5	59	12	4.6	0
27/06/2023 14:10	3.2	59	14	4.5	0
27/06/2023 14:20	3.3	54	13	5	0
27/06/2023 14:30	3.4	47	13	4.8	0
27/06/2023 14:40	3.1	49	14	4.4	0
27/06/2023 14:50	3.1	47	14	5	0
27/06/2023 15:00	3.2	43	15	4.4	0
27/06/2023 15:10	3.3	41	12	4.6	0
27/06/2023 15:20	3.3	41	13	4.5	0
27/06/2023 15:30	3.6	41	12	5.1	0
27/06/2023 15:40	3.5	42	13	5.2	0
27/06/2023 15:50	3.4	39	13	4.6	0
27/06/2023 16:00	3	38	13	4.1	0
27/06/2023 16:10	2.9	39	13	4.4	0
27/06/2023 16:20	3	40	15	4.3	0
27/06/2023 16:30	2.6	40	13	4	0
27/06/2023 16:40	2.9	45	13	4.2	0
27/06/2023 16:50	2.7	41	13	4	0
27/06/2023 17:00	2.3	39	13	3.2	0
27/06/2023 17:10	2.3	42	12	3.2	0
27/06/2023 17:20	2.5	41	13	3.5	0
27/06/2023 17:30	2.3	42	14	3.3	0
27/06/2023 17:40	2.4	45	17	3.2	0
27/06/2023 17:50	2.3	50	14	3.7	0
27/06/2023 18:00	2.7	56	13	3.6	0
27/06/2023 18:10	2.4	56	14	3.2	0
27/06/2023 18:20	2.6	60	15	3.7	0
27/06/2023 18:30	2.3	60	16	3.6	0
27/06/2023 18:40	2.2	63	17	3.1	0
27/06/2023 18:50	1.9	78	16	3.2	0
27/06/2023 19:00	2.2	67	15	3.3	0
27/06/2023 19:10	2	69	20	3.1	0
27/06/2023 19:20	2.4	72	19	3.3	0
27/06/2023 19:30	2.8	78	14	4.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
27/06/2023 19:40	2.7	71	16	3.9	0
27/06/2023 19:50	2.9	75	16	4.6	0
27/06/2023 20:00	4.1	81	16	6.4	0
27/06/2023 20:10	4.8	87	16	7	0
27/06/2023 20:20	4.3	86	16	6.4	0
27/06/2023 20:30	3.8	94	21	6.8	0
27/06/2023 20:40	3.3	109	30	6.3	0
27/06/2023 20:50	2.7	127	33	6	0
27/06/2023 21:00	2.6	129	48	5.7	0
27/06/2023 21:10	3	108	31	6.4	0
27/06/2023 21:20	2.8	129	31	5.6	0
27/06/2023 21:30	2.9	123	31	4.8	0
27/06/2023 21:40	3	117	38	6.2	0
27/06/2023 21:50	4.2	117	27	7.2	0
27/06/2023 22:00	4.7	114	25	8.2	0
27/06/2023 22:10	4.5	109	28	7.7	0
27/06/2023 22:20	4.6	108	28	8	0
27/06/2023 22:30	4.5	107	23	7.9	0
27/06/2023 22:40	4	112	27	7.1	0
27/06/2023 22:50	4.3	114	24	8.8	0
27/06/2023 23:00	4.5	118	31	7.8	0
27/06/2023 23:10	4.4	113	30	7.6	0
27/06/2023 23:20	4.2	112	29	7.2	0
27/06/2023 23:30	4.1	116	31	6.7	0
27/06/2023 23:40	4	119	30	7.6	0
27/06/2023 23:50	4.2	121	26	7.2	0
28/06/2023 00:00	4.2	115	37	8.9	0
28/06/2023 00:10	4.3	111	30	9.5	0
28/06/2023 00:20	4.4	119	29	8.3	0
28/06/2023 00:30	4.3	114	32	8.2	0
28/06/2023 00:40	4.2	117	26	7.3	0
28/06/2023 00:50	4.3	114	26	7.8	0
28/06/2023 01:00	4.3	111	28	6.9	0
28/06/2023 01:10	4.2	112	33	8.2	0
28/06/2023 01:20	4.9	111	29	8.6	0
28/06/2023 01:30	3.9	112	33	7.4	0
28/06/2023 01:40	4.2	122	32	7.8	0
28/06/2023 01:50	3.7	106	30	7.1	0
28/06/2023 02:00	3.5	114	31	6.5	0
28/06/2023 02:10	4.3	109	28	8.1	0
28/06/2023 02:20	4.7	112	27	7.9	0
28/06/2023 02:30	4.6	110	24	7.4	0
28/06/2023 02:40	4.6	113	29	7	0
28/06/2023 02:50	4.2	110	25	7.8	0
28/06/2023 03:00	5.1	116	22	8.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/06/2023 03:10	4.8	109	27	9.3	0
28/06/2023 03:20	5.2	108	25	8.9	0
28/06/2023 03:30	5.4	112	27	9.7	0
28/06/2023 03:40	4.8	109	27	8.8	0
28/06/2023 03:50	4.8	110	27	8.3	0
28/06/2023 04:00	4.8	110	29	8.4	0
28/06/2023 04:10	5	112	26	8.9	0
28/06/2023 04:20	4.5	107	28	8.7	0
28/06/2023 04:30	4.6	102	27	8.3	0
28/06/2023 04:40	4.5	117	28	8.7	0
28/06/2023 04:50	5	104	25	8.3	0
28/06/2023 05:00	4.5	108	27	8.8	0
28/06/2023 05:10	4.4	107	26	7.3	0
28/06/2023 05:20	4.8	104	24	7.9	0
28/06/2023 05:30	5.7	106	21	9.8	0
28/06/2023 05:40	5.3	107	26	8.9	0
28/06/2023 05:50	5.1	106	24	9.3	0
28/06/2023 06:00	5	103	25	8.5	0
28/06/2023 06:10	4.5	108	24	8.5	0
28/06/2023 06:20	5	114	24	9.1	0
28/06/2023 06:30	5.1	110	27	9.3	0
28/06/2023 06:40	5.4	105	24	8.8	0
28/06/2023 06:50	5.1	99	26	9.2	0
28/06/2023 07:00	5.1	111	21	9.5	0
28/06/2023 07:10	5	109	20	8.6	0
28/06/2023 07:20	5.8	109	24	9.6	0
28/06/2023 07:30	5.1	117	21	8.7	0
28/06/2023 07:40	5.3	112	26	10.1	0
28/06/2023 07:50	5	110	25	8.2	0
28/06/2023 08:00	5.3	106	23	9.1	0
28/06/2023 08:10	5.8	99	24	10	0
28/06/2023 08:20	5.5	105	25	9.4	0
28/06/2023 08:30	5.6	108	24	9.7	0
28/06/2023 08:40	6	108	24	9.9	0
28/06/2023 08:50	5.2	109	23	8.8	0
28/06/2023 09:00	5.3	107	23	8.5	0
28/06/2023 09:10	5.9	111	24	10.9	0
28/06/2023 09:20	5.4	104	22	8.3	0
28/06/2023 09:30	5.7	103	23	9.6	0
28/06/2023 09:40	5	101	25	11.8	0
28/06/2023 09:50	5	103	25	8	0
28/06/2023 10:00	5.3	98	23	8.8	0
28/06/2023 10:10	5.6	99	22	9.9	0
28/06/2023 10:20	5.3	98	20	9.4	0
28/06/2023 10:30	5.5	95	22	9.1	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/06/2023 10:40	5.3	111	25	9.1	0
28/06/2023 10:50	5.1	95	26	9.1	0
28/06/2023 11:00	5.4	114	21	9.1	0
28/06/2023 11:10	4.8	108	22	7.7	0
28/06/2023 11:20	5.6	91	21	9.4	0
28/06/2023 11:30	5.7	89	20	8.7	0
28/06/2023 11:40	5.7	85	14	7.9	0
28/06/2023 11:50	5.3	85	18	8	0
28/06/2023 12:00	5.3	87	18	7.9	0
28/06/2023 12:10	5.3	93	19	7.9	0
28/06/2023 12:20	5.5	84	15	8	0
28/06/2023 12:30	4.5	90	20	6.6	0
28/06/2023 12:40	5.1	82	15	7	0
28/06/2023 12:50	5.2	83	14	7.6	0
28/06/2023 13:00	4.9	84	13	6.8	0
28/06/2023 13:10	5.1	83	16	6.8	0
28/06/2023 13:20	5.1	86	15	7.4	0
28/06/2023 13:30	4.7	85	12	6.4	0
28/06/2023 13:40	4.4	84	13	6.4	0
28/06/2023 13:50	4	81	15	5.7	0
28/06/2023 14:00	4.1	61	14	5.9	0
28/06/2023 14:10	4.1	60	13	5.4	0
28/06/2023 14:20	4.1	57	12	5.7	0
28/06/2023 14:30	4.1	57	12	5.8	0
28/06/2023 14:40	4	58	12	6	0
28/06/2023 14:50	4.5	57	12	5.9	0
28/06/2023 15:00	4.3	60	12	5.6	0
28/06/2023 15:10	4.5	56	11	5.9	0
28/06/2023 15:20	4.2	58	10	5.4	0
28/06/2023 15:30	3.8	57	14	5.2	0
28/06/2023 15:40	3.7	55	12	5.1	0
28/06/2023 15:50	3.8	57	11	5.3	0
28/06/2023 16:00	3.7	57	10	5.2	0
28/06/2023 16:10	3.4	59	13	4.8	0
28/06/2023 16:20	3	55	12	4	0
28/06/2023 16:30	3.2	58	12	4.4	0
28/06/2023 16:40	2.7	46	13	4	0
28/06/2023 16:50	2.9	51	15	3.9	0
28/06/2023 17:00	2.5	51	13	3.6	0
28/06/2023 17:10	1.9	44	13	2.8	0
28/06/2023 17:20	1.7	48	16	2.4	0
28/06/2023 17:30	1.7	49	16	2.4	0
28/06/2023 17:40	1.1	54	20	2	0
28/06/2023 17:50	1.2	68	26	2.1	0
28/06/2023 18:00	1.9	54	17	2.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
28/06/2023 18:10	1.6	76	19	2.8	0
28/06/2023 18:20	1.4	96	44	3	0
28/06/2023 18:30	2.2	90	25	3.2	0
28/06/2023 18:40	2.6	85	20	3.9	0
28/06/2023 18:50	2.7	86	19	4.6	0
28/06/2023 19:00	3.4	80	19	5.6	0
28/06/2023 19:10	3.5	81	19	5.6	0
28/06/2023 19:20	3.9	83	18	7.6	0
28/06/2023 19:30	3.1	85	20	4.8	0
28/06/2023 19:40	3.4	83	21	5.6	0
28/06/2023 19:50	3.5	84	16	5.9	0
28/06/2023 20:00	4	82	18	6.2	0
28/06/2023 20:10	3.6	86	16	6.6	0
28/06/2023 20:20	3.8	83	15	6	0
28/06/2023 20:30	3.8	87	15	5.7	0
28/06/2023 20:40	3.3	89	20	5.8	0
28/06/2023 20:50	3.1	91	23	4.7	0
28/06/2023 21:00	3.3	91	22	4.8	0
28/06/2023 21:10	3.4	92	23	5.3	0
28/06/2023 21:20	4	85	20	7	0
28/06/2023 21:30	4.1	85	20	6.4	0
28/06/2023 21:40	4.2	91	21	7.3	0
28/06/2023 21:50	5	87	21	8.2	0
28/06/2023 22:00	4.3	89	26	8.4	0
28/06/2023 22:10	4.4	94	23	7.7	0
28/06/2023 22:20	3.9	100	26	6.9	0
28/06/2023 22:30	4	98	25	7.2	0
28/06/2023 22:40	4.2	103	25	7.3	0
28/06/2023 22:50	4.2	92	21	7.9	0
28/06/2023 23:00	3.6	105	28	6.1	0
28/06/2023 23:10	3.6	107	29	6.7	0
28/06/2023 23:20	3.7	107	24	6.5	0
28/06/2023 23:30	3.6	120	29	7.1	0
28/06/2023 23:40	3.8	116	30	6.5	0
28/06/2023 23:50	4	114	28	7.5	0
29/06/2023 00:00	3.5	105	33	6	0
29/06/2023 00:10	3.7	107	31	6.5	0
29/06/2023 00:20	3.5	107	35	6.6	0
29/06/2023 00:30	3.6	115	30	6.8	0
29/06/2023 00:40	4	113	33	7.1	0
29/06/2023 00:50	4.2	123	27	7.5	0
29/06/2023 01:00	3.7	121	28	6.5	0
29/06/2023 01:10	3.7	108	25	6.6	0
29/06/2023 01:20	4.4	111	20	7.2	0
29/06/2023 01:30	3.5	117	25	6.2	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/06/2023 01:40	4.1	116	22	6.6	0
29/06/2023 01:50	3.8	113	22	7.3	0
29/06/2023 02:00	4.3	119	20	7.2	0
29/06/2023 02:10	4.3	119	22	7.4	0
29/06/2023 02:20	4.2	112	22	7.1	0
29/06/2023 02:30	3.7	108	23	6.3	0
29/06/2023 02:40	3.9	108	24	6.6	0
29/06/2023 02:50	4.3	108	24	6.8	0
29/06/2023 03:00	4.1	116	25	6.7	0
29/06/2023 03:10	4.3	111	19	8	0
29/06/2023 03:20	3.8	110	19	5.8	0
29/06/2023 03:30	4	116	20	6.8	0
29/06/2023 03:40	4.1	119	22	7.6	0
29/06/2023 03:50	4.3	111	24	7.1	0
29/06/2023 04:00	4.8	117	25	7.5	0
29/06/2023 04:10	4.5	121	35	7.7	0
29/06/2023 04:20	4.8	122	26	8	0
29/06/2023 04:30	4.8	117	25	8.2	0
29/06/2023 04:40	4.6	113	27	7	0
29/06/2023 04:50	4.7	115	21	7.1	0
29/06/2023 05:00	4.9	118	27	8.2	0
29/06/2023 05:10	4.6	118	28	7.5	0
29/06/2023 05:20	5.1	114	22	9.1	0
29/06/2023 05:30	4.8	107	25	8.1	0
29/06/2023 05:40	4.7	113	27	7.4	0
29/06/2023 05:50	5.2	111	25	8.5	0
29/06/2023 06:00	5.1	116	25	9.4	0
29/06/2023 06:10	5.1	122	23	8.3	0
29/06/2023 06:20	4.7	121	25	7.3	0
29/06/2023 06:30	5.1	114	25	8.4	0
29/06/2023 06:40	5.4	110	25	9.8	0
29/06/2023 06:50	5.1	111	25	7.9	0
29/06/2023 07:00	5.5	111	24	8.3	0
29/06/2023 07:10	5.3	122	27	9.7	0
29/06/2023 07:20	5.4	115	25	9.4	0
29/06/2023 07:30	5	113	29	8.7	0
29/06/2023 07:40	4.9	110	28	9.1	0
29/06/2023 07:50	5	116	28	8.7	0
29/06/2023 08:00	5.2	113	26	8.4	0
29/06/2023 08:10	5.7	118	23	9.4	0
29/06/2023 08:20	5.2	109	19	8.5	0
29/06/2023 08:30	5.3	107	24	8.5	0
29/06/2023 08:40	5.4	103	23	9.5	0
29/06/2023 08:50	5.6	110	23	9.3	0
29/06/2023 09:00	5.4	110	28	9.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/06/2023 09:10	5.3	106	24	8.5	0
29/06/2023 09:20	5.8	107	25	8.7	0
29/06/2023 09:30	5.3	95	23	8.9	0
29/06/2023 09:40	5.5	100	23	8.7	0
29/06/2023 09:50	6.1	94	22	10.4	0
29/06/2023 10:00	5.4	96	23	9	0
29/06/2023 10:10	5.6	91	21	9.5	0
29/06/2023 10:20	5.8	93	22	9.4	0
29/06/2023 10:30	6.8	85	16	10.3	0
29/06/2023 10:40	5.4	101	24	7.9	0
29/06/2023 10:50	5.4	98	22	8.5	0
29/06/2023 11:00	5.5	102	24	8.9	0
29/06/2023 11:10	4.7	102	26	8.4	0
29/06/2023 11:20	5.7	96	22	9.9	0
29/06/2023 11:30	6.1	91	19	9.1	0
29/06/2023 11:40	5.7	90	19	9.3	0
29/06/2023 11:50	5.5	93	18	8.6	0
29/06/2023 12:00	5	95	20	8.7	0
29/06/2023 12:10	4.9	91	22	7.8	0
29/06/2023 12:20	4.9	96	22	7.9	0
29/06/2023 12:30	4.4	95	24	6.5	0
29/06/2023 12:40	4.5	107	25	7.8	0
29/06/2023 12:50	4.3	102	23	8.4	0
29/06/2023 13:00	4.2	106	22	7.1	0
29/06/2023 13:10	4.4	101	22	6.7	0
29/06/2023 13:20	4.3	98	25	8.2	0
29/06/2023 13:30	4.4	97	24	7.6	0
29/06/2023 13:40	4.7	112	25	7.2	0
29/06/2023 13:50	3.8	110	27	6.4	0
29/06/2023 14:00	3.8	106	25	7.5	0
29/06/2023 14:10	3.6	97	27	5.9	0
29/06/2023 14:20	4	107	31	7.1	0
29/06/2023 14:30	4.1	89	22	6.8	0
29/06/2023 14:40	4.5	87	17	6.4	0
29/06/2023 14:50	4	95	25	6.1	0
29/06/2023 15:00	3.7	95	25	6.7	0
29/06/2023 15:10	3.8	98	26	6.2	0
29/06/2023 15:20	3.4	98	25	6.4	0
29/06/2023 15:30	3.6	91	21	5.6	0
29/06/2023 15:40	3.1	104	26	5.7	0
29/06/2023 15:50	3.2	98	30	5.5	0
29/06/2023 16:00	3.1	96	25	5.1	0
29/06/2023 16:10	3.2	100	28	6.4	0
29/06/2023 16:20	2.7	95	28	4.8	0
29/06/2023 16:30	3	118	31	4.6	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
29/06/2023 16:40	3	120	32	5	0
29/06/2023 16:50	3.1	107	30	5.2	0
29/06/2023 17:00	3.4	117	29	5.4	0
29/06/2023 17:10	2.3	105	26	4.6	0
29/06/2023 17:20	2.4	116	27	5	0
29/06/2023 17:30	2.7	103	30	5.6	0
29/06/2023 17:40	2.2	110	34	4.4	0
29/06/2023 17:50	2.5	99	35	4.2	0
29/06/2023 18:00	2.5	104	28	5	0
29/06/2023 18:10	2.4	93	30	4.2	0
29/06/2023 18:20	2.1	94	23	3.7	0
29/06/2023 18:30	2.2	83	35	3.6	0
29/06/2023 18:40	2.3	98	28	3.6	0
29/06/2023 18:50	2.1	89	28	3.6	0
29/06/2023 19:00	2.1	105	31	4.3	0
29/06/2023 19:10	2.2	103	31	4.6	0
29/06/2023 19:20	2.5	105	34	4.5	0
29/06/2023 19:30	2.4	109	29	4.2	0
29/06/2023 19:40	2.3	107	31	4.1	0
29/06/2023 19:50	2.7	81	21	5.5	0
29/06/2023 20:00	3.2	81	16	5	0
29/06/2023 20:10	3	84	19	5.2	0
29/06/2023 20:20	3.4	80	16	5.3	0
29/06/2023 20:30	3	85	23	5.3	0
29/06/2023 20:40	3.6	79	18	6.5	0
29/06/2023 20:50	4	86	20	6.4	0
29/06/2023 21:00	3.7	83	19	5.7	0
29/06/2023 21:10	3.2	101	25	5.5	0
29/06/2023 21:20	3.6	99	26	6.4	0
29/06/2023 21:30	3.5	114	29	5.6	0
29/06/2023 21:40	4	112	29	7.9	0
29/06/2023 21:50	3.8	119	32	7	0
29/06/2023 22:00	4	120	26	6.9	0
29/06/2023 22:10	3.9	121	29	7.5	0
29/06/2023 22:20	3.9	119	29	8.8	0
29/06/2023 22:30	4	105	28	7.4	0
29/06/2023 22:40	3.8	101	31	8.5	0
29/06/2023 22:50	3.8	108	25	8	0
29/06/2023 23:00	3.7	113	36	7.9	0
29/06/2023 23:10	3.3	120	37	6.4	0
29/06/2023 23:20	2.9	130	43	6	0
29/06/2023 23:30	2.7	131	38	5.2	0
29/06/2023 23:40	3.1	114	42	6.6	0
29/06/2023 23:50	2.7	118	36	5.7	0
30/06/2023 00:00	3.1	130	35	5.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/01/2023 00:10	3.3	133	43	6.8	0
07/01/2023 00:20	3.3	105	34	6.3	0
07/01/2023 00:30	3.4	111	35	6.8	0
07/01/2023 00:40	3.3	110	40	6.8	0
07/01/2023 00:50	3.5	106	33	7.4	0
07/01/2023 01:00	4.2	115	31	8.2	0
07/01/2023 01:10	3.6	112	30	6.2	0
07/01/2023 01:20	3.8	112	44	7.1	0
07/01/2023 01:30	4.2	108	28	7.7	0
07/01/2023 01:40	3.9	111	36	8.5	0
07/01/2023 01:50	4.6	112	32	9.2	0
07/01/2023 02:00	4.4	109	25	7.6	0
07/01/2023 02:10	4.2	123	28	7.2	0
07/01/2023 02:20	4.5	118	27	8.3	0
07/01/2023 02:30	4.1	113	27	8.3	0
07/01/2023 02:40	4.6	112	23	7.4	0
07/01/2023 02:50	4.5	105	27	7	0
07/01/2023 03:00	4.9	111	25	9.1	0
07/01/2023 03:10	5	101	24	7.9	0
07/01/2023 03:20	4.7	104	28	8	0
07/01/2023 03:30	5.3	109	24	8.7	0
07/01/2023 03:40	5.6	105	23	9.2	0
07/01/2023 03:50	5.4	107	24	10	0
07/01/2023 04:00	5.9	114	22	10.9	0
07/01/2023 04:10	6.4	108	25	11	0
07/01/2023 04:20	6.4	106	22	10.4	0
07/01/2023 04:30	6.6	106	20	10.6	0
07/01/2023 04:40	6.8	106	23	12.7	0
07/01/2023 04:50	6.2	106	24	10.1	0
07/01/2023 05:00	6.9	94	21	11.3	0
07/01/2023 05:10	6.7	96	19	10.9	0
07/01/2023 05:20	6	102	22	10.7	0
07/01/2023 05:30	5.8	99	20	9.4	0
07/01/2023 05:40	5.7	101	22	8.7	0
07/01/2023 05:50	5.5	101	21	8.4	0
07/01/2023 06:00	5.6	109	24	9.2	0
07/01/2023 06:10	6.1	105	23	10.2	0
07/01/2023 06:20	5.2	105	24	9.3	0
07/01/2023 06:30	6.2	109	20	9.6	0
07/01/2023 06:40	5.5	109	22	9.5	0
07/01/2023 06:50	5.3	104	25	7.9	0
07/01/2023 07:00	5.3	104	23	8.3	0
07/01/2023 07:10	5.8	109	21	10.4	0
07/01/2023 07:20	5.5	105	23	9.7	0
07/01/2023 07:30	5.9	111	20	9.7	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/01/2023 07:40	6	114	26	10.5	0
07/01/2023 07:50	6.2	114	20	10.3	0
07/01/2023 08:00	5.2	104	26	9	0
07/01/2023 08:10	5.9	107	19	9.1	0
07/01/2023 08:20	5.2	103	23	8.9	0
07/01/2023 08:30	6	97	24	9.8	0
07/01/2023 08:40	5.6	103	22	8.6	0
07/01/2023 08:50	5.6	106	24	9.9	0
07/01/2023 09:00	5.4	103	22	9.1	0
07/01/2023 09:10	5.8	102	24	9	0
07/01/2023 09:20	5.9	107	21	9	0
07/01/2023 09:30	5.9	92	21	10.7	0
07/01/2023 09:40	5.8	98	22	9	0
07/01/2023 09:50	6.2	85	14	8.6	0
07/01/2023 10:00	6.5	88	18	10.2	0
07/01/2023 10:10	6	89	19	9.5	0
07/01/2023 10:20	5.7	88	21	9.4	0
07/01/2023 10:30	6	90	17	8.9	0
07/01/2023 10:40	6	85	14	9.4	0
07/01/2023 10:50	7.2	85	14	9.9	0
07/01/2023 11:00	6.7	85	15	9.9	0
07/01/2023 11:10	7.6	84	16	10.3	0
07/01/2023 11:20	7.6	84	16	10.9	0
07/01/2023 11:30	7.5	85	14	10.8	0
07/01/2023 11:40	7.4	87	14	10.4	0
07/01/2023 11:50	7	81	15	9.5	0
07/01/2023 12:00	6.6	85	14	9	0
07/01/2023 12:10	6.1	82	18	8.7	0
07/01/2023 12:20	6.3	80	13	9	0
07/01/2023 12:30	6.6	77	14	9.5	0
07/01/2023 12:40	6.2	75	14	9	0
07/01/2023 12:50	5.6	78	17	8.3	0
07/01/2023 13:00	5.9	73	14	7.9	0
07/01/2023 13:10	5.5	70	16	7.9	0
07/01/2023 13:20	5	71	15	7.3	0
07/01/2023 13:30	4.9	69	14	7.2	0
07/01/2023 13:40	4.9	66	13	7.1	0
07/01/2023 13:50	4.7	70	16	7	0
07/01/2023 14:00	4.3	69	14	6.6	0
07/01/2023 14:10	4.3	60	16	6.7	0
07/01/2023 14:20	3.8	64	14	5.1	0
07/01/2023 14:30	4.5	78	13	5.9	0
07/01/2023 14:40	4.2	66	14	6	0
07/01/2023 14:50	4.2	59	13	6	0
07/01/2023 15:00	4	57	13	5.3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/01/2023 15:10	3.6	52	15	5	0
07/01/2023 15:20	3.3	58	13	4.6	0
07/01/2023 15:30	3.2	63	17	4.8	0
07/01/2023 15:40	3.1	78	17	5.1	0
07/01/2023 15:50	4.9	82	15	6.8	0
07/01/2023 16:00	3.8	85	16	6.2	0
07/01/2023 16:10	3.1	98	27	5.9	0
07/01/2023 16:20	4	85	16	5.9	0
07/01/2023 16:30	3.3	94	20	5.4	0
07/01/2023 16:40	3.1	102	21	5.2	0
07/01/2023 16:50	3.3	88	28	5.2	0
07/01/2023 17:00	3.1	98	22	4.4	0
07/01/2023 17:10	3	113	29	6.4	0
07/01/2023 17:20	3.1	118	27	5.2	0
07/01/2023 17:30	3.1	114	25	5.6	0
07/01/2023 17:40	3.5	125	22	5.6	0
07/01/2023 17:50	3.1	121	25	5.8	0
07/01/2023 18:00	3.2	111	31	6	0
07/01/2023 18:10	3.6	122	26	6.3	0
07/01/2023 18:20	3.2	116	26	5.4	0
07/01/2023 18:30	3.5	115	24	6	0
07/01/2023 18:40	3	124	31	5.5	0
07/01/2023 18:50	2.9	122	34	5.8	0
07/01/2023 19:00	3.2	124	29	5.6	0
07/01/2023 19:10	2.9	114	35	5.2	0
07/01/2023 19:20	2.3	102	41	4.8	0
07/01/2023 19:30	2.5	105	34	5.6	0
07/01/2023 19:40	2.6	105	30	4.8	0
07/01/2023 19:50	2.7	96	32	4.9	0
07/01/2023 20:00	2.5	100	34	5	0
07/01/2023 20:10	1.9	131	45	3.5	0
07/01/2023 20:20	2.4	101	37	3.9	0
07/01/2023 20:30	2.2	107	30	4.3	0
07/01/2023 20:40	2	130	37	4.7	0
07/01/2023 20:50	1.7	122	32	3.2	0
07/01/2023 21:00	2.6	134	33	5	0
07/01/2023 21:10	2.5	140	31	5.3	0
07/01/2023 21:20	2	129	33	4	0
07/01/2023 21:30	1.6	120	45	4	0
07/01/2023 21:40	2.1	142	32	4.8	0
07/01/2023 21:50	2.3	131	37	4.8	0
07/01/2023 22:00	2.2	101	33	5.1	0
07/01/2023 22:10	1.8	139	42	3.6	0
07/01/2023 22:20	2.1	119	31	3.6	0
07/01/2023 22:30	2	122	34	4.4	0





# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/01/2023 22:40	2.2	143	24	3.9	0
07/01/2023 22:50	2.3	159	19	3.6	0
07/01/2023 23:00	2.3	149	24	3.6	0
07/01/2023 23:10	1.9	147	30	3.7	0
07/01/2023 23:20	2.2	159	26	3.9	0
07/01/2023 23:30	2.5	138	25	4	0
07/01/2023 23:40	3.2	124	25	5.1	0
07/01/2023 23:50	3.9	134	27	6.4	0
07/02/2023 00:00	3.8	149	25	6.4	0
07/02/2023 00:10	3	123	44	5.9	0
07/02/2023 00:20	3.4	106	32	7.4	0
07/02/2023 00:30	3.8	110	36	7.2	0
07/02/2023 00:40	3.9	112	30	7.5	0
07/02/2023 00:50	4	118	27	7.5	0
07/02/2023 01:00	3.9	117	30	7.5	0
07/02/2023 01:10	4.1	115	28	7.8	0
07/02/2023 01:20	4.4	112	25	7.9	0
07/02/2023 01:30	4.9	114	29	7.9	0
07/02/2023 01:40	4.3	112	26	7.6	0
07/02/2023 01:50	4.6	113	28	7.9	0
07/02/2023 02:00	4.5	108	24	8.9	0
07/02/2023 02:10	4.4	107	26	7.3	0
07/02/2023 02:20	4.8	108	25	8.2	0
07/02/2023 02:30	4.3	114	28	7.7	0
07/02/2023 02:40	4.3	110	29	8.7	0
07/02/2023 02:50	4.4	104	22	8.6	0
07/02/2023 03:00	4.6	111	27	7.6	0
07/02/2023 03:10	4.7	110	25	8.5	0
07/02/2023 03:20	5	113	24	8.8	0
07/02/2023 03:30	4.9	114	26	8.3	0
07/02/2023 03:40	4.7	110	25	8.3	0
07/02/2023 03:50	5.4	108	27	9.1	0
07/02/2023 04:00	5.1	112	21	9.1	0
07/02/2023 04:10	4.8	104	22	8.7	0
07/02/2023 04:20	4.6	110	23	8.8	0
07/02/2023 04:30	4.6	105	23	8.3	0
07/02/2023 04:40	5.1	100	26	9.4	0
07/02/2023 04:50	5	94	20	7.9	0
07/02/2023 05:00	4.4	98	22	7.5	0
07/02/2023 05:10	5.9	92	20	8.6	0
07/02/2023 05:20	6.4	84	13	9.1	0
07/02/2023 05:30	6	93	17	8.9	0
07/02/2023 05:40	5.6	95	23	8.4	0
07/02/2023 05:50	6.2	94	18	10	0
07/02/2023 06:00	6.4	89	16	9.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/02/2023 06:10	6.3	95	19	8.9	0
07/02/2023 06:20	5.3	97	24	9.2	0
07/02/2023 06:30	5.8	98	19	9.2	0
07/02/2023 06:40	6	99	18	9.8	0
07/02/2023 06:50	6.2	97	20	11	0
07/02/2023 07:00	6.3	95	19	10.5	0
07/02/2023 07:10	6.1	94	20	8.9	0
07/02/2023 07:20	5.7	95	20	9.8	0
07/02/2023 07:30	5.6	105	22	8.7	0
07/02/2023 07:40	5	107	21	9	0
07/02/2023 07:50	5.5	97	23	8.2	0
07/02/2023 08:00	5.9	96	17	9.7	0
07/02/2023 08:10	5.8	89	16	9.5	0
07/02/2023 08:20	5.4	88	17	8.3	0
07/02/2023 08:30	5.6	92	19	9.4	0
07/02/2023 08:40	4.8	93	23	7.8	0
07/02/2023 08:50	5	97	21	7.3	0
07/02/2023 09:00	5.5	88	19	7.9	0
07/02/2023 09:10	5.7	88	15	9.5	0
07/02/2023 09:20	6.2	87	13	9.1	0
07/02/2023 09:30	6.3	87	14	9	0
07/02/2023 09:40	6.7	85	14	9.1	0
07/02/2023 09:50	7.1	85	13	9.9	0
07/02/2023 10:00	6.2	88	17	9.2	0
07/02/2023 10:10	6.4	88	16	9.8	0
07/02/2023 10:20	6.9	89	14	9.5	0
07/02/2023 10:30	6.2	84	14	8.7	0
07/02/2023 10:40	6.2	83	14	8.6	0
07/02/2023 10:50	5.9	85	13	8.3	0
07/02/2023 11:00	5.9	88	17	8.9	0
07/02/2023 11:10	5.6	87	14	8.5	0
07/02/2023 11:20	5.8	85	14	8.3	0
07/02/2023 11:30	5.4	81	15	8.2	0
07/02/2023 11:40	5.4	80	13	8.4	0
07/02/2023 11:50	4.9	80	15	7.5	0
07/02/2023 12:00	5.1	76	16	7.1	0
07/02/2023 12:10	5	75	15	7.3	0
07/02/2023 12:20	5	74	14	7.2	0
07/02/2023 12:30	4.6	75	13	6.4	0
07/02/2023 12:40	4.4	75	14	6.4	0
07/02/2023 12:50	4.5	70	13	6.7	0
07/02/2023 13:00	3.9	60	16	6	0
07/02/2023 13:10	4.4	60	13	6.2	0
07/02/2023 13:20	4.3	60	12	5.8	0
07/02/2023 13:30	4.6	58	11	6.1	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/02/2023 13:40	4.8	56	10	6	0
07/02/2023 13:50	4.5	55	11	5.8	0
07/02/2023 14:00	4.1	49	13	5.8	0
07/02/2023 14:10	4.3	48	12	5.9	0
07/02/2023 14:20	4	48	13	5.5	0
07/02/2023 14:30	4.1	47	11	5.8	0
07/02/2023 14:40	3.7	43	11	5.2	0
07/02/2023 14:50	3.4	44	15	4.8	0
07/02/2023 15:00	3.6	41	13	4.8	0
07/02/2023 15:10	3.5	30	13	4.7	0
07/02/2023 15:20	3.4	42	12	4.7	0
07/02/2023 15:30	3.2	45	12	4.4	0
07/02/2023 15:40	3	42	13	4.7	0
07/02/2023 15:50	2.9	46	13	4	0
07/02/2023 16:00	2.7	44	14	3.6	0
07/02/2023 16:10	2.8	46	13	3.6	0
07/02/2023 16:20	2.8	51	11	3.9	0
07/02/2023 16:30	2.5	47	14	3.4	0
07/02/2023 16:40	2.2	53	13	3.1	0
07/02/2023 16:50	1.8	56	12	2.5	0
07/02/2023 17:00	1.5	61	15	2.1	0
07/02/2023 17:10	0.9	71	14	1.4	0
07/02/2023 17:20	0.2	87	9	0.9	0
07/02/2023 17:30					0
07/02/2023 17:40					0
07/02/2023 17:50					0
07/02/2023 18:00	1.5	325	8	2	0
07/02/2023 18:10	0.6	317	7	1.2	0
07/02/2023 18:20	1.1	292	12	1.6	0
07/02/2023 18:30	1	288	14	1.5	0
07/02/2023 18:40	1	285	15	1.6	0
07/02/2023 18:50	0.7	275	11	1.2	0
07/02/2023 19:00	0.3	299	10	0.8	0
07/02/2023 19:10	0.4	294	7	1.1	0
07/02/2023 19:20	1	292	11	1.3	0
07/02/2023 19:30	1	286	10	1.2	0
07/02/2023 19:40	0.6	255	16	1.2	0
07/02/2023 19:50	1	229	22	1.6	0
07/02/2023 20:00	0.4	240	15	0.9	0
07/02/2023 20:10	0.3	211	5	0.9	0
07/02/2023 20:20	0.4	257	9	0.9	0
07/02/2023 20:30	0.4	262	3	1.2	0
07/02/2023 20:40					0
07/02/2023 20:50					0
07/02/2023 21:00					0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/02/2023 21:10	0.9	210	11	3.5	0
07/02/2023 21:20	2.3	217	20	3.3	0
07/02/2023 21:30	2	216	20	3.2	0
07/02/2023 21:40	2.3	222	16	3.2	0
07/02/2023 21:50	2.3	205	17	4	0
07/02/2023 22:00	2.4	212	16	3.6	0
07/02/2023 22:10	2.2	189	19	4	0
07/02/2023 22:20	2.9	205	15	4.5	0
07/02/2023 22:30	3.4	205	16	5	0
07/02/2023 22:40	3.4	204	13	5	0
07/02/2023 22:50	4.3	199	9	5.8	0
07/02/2023 23:00	4.2	199	8	5.6	0
07/02/2023 23:10	4	199	10	5.8	0
07/02/2023 23:20	4.1	197	9	5.3	0
07/02/2023 23:30	3.5	197	11	4.8	0
07/02/2023 23:40	3.7	196	11	5	0
07/02/2023 23:50	3.9	200	10	4.9	0
07/03/2023 00:00	3.8	196	12	4.9	0
07/03/2023 00:10	4	200	9	5.1	0
07/03/2023 00:20	2.8	196	14	4	0
07/03/2023 00:30	3.4	188	30	5.5	0
07/03/2023 00:40	2	154	44	3.3	0
07/03/2023 00:50	2.9	200	12	4.2	0
07/03/2023 01:00	2.6	202	18	3.9	0
07/03/2023 01:10	2.7	210	19	4	0
07/03/2023 01:20	2.6	197	40	4.4	0
07/03/2023 01:30	3.2	201	16	4.4	0
07/03/2023 01:40	3.5	204	12	4.4	0
07/03/2023 01:50	3.6	200	11	4.9	0
07/03/2023 02:00	3.2	193	13	4.4	0
07/03/2023 02:10	3	181	16	4.1	0
07/03/2023 02:20	3.9	179	13	5.6	0
07/03/2023 02:30	3.9	183	13	5.5	0
07/03/2023 02:40	3.6	189	10	4.6	0
07/03/2023 02:50	3.8	187	10	5	0
07/03/2023 03:00	3.7	183	10	4.9	0
07/03/2023 03:10	3.7	184	10	4.8	0
07/03/2023 03:20	4.2	191	9	5.5	0
07/03/2023 03:30	4.4	192	8	5.6	0
07/03/2023 03:40	4.9	192	10	6.2	0
07/03/2023 03:50	5.4	192	9	6.5	0
07/03/2023 04:00	5	193	9	6.4	0
07/03/2023 04:10	4.3	189	12	5.8	0
07/03/2023 04:20	4.1	187	11	5.6	0
07/03/2023 04:30	3.7	181	15	5.4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/03/2023 04:40	3	175	14	4.2	0
07/03/2023 04:50	2.7	171	14	3.8	0
07/03/2023 05:00	2.7	162	18	3.8	0
07/03/2023 05:10	3.2	151	18	4.7	0
07/03/2023 05:20	2.6	143	25	4.4	0
07/03/2023 05:30	2.5	113	23	5.1	0
07/03/2023 05:40	2.5	119	22	4.1	0
07/03/2023 05:50	2.7	121	20	4.2	0
07/03/2023 06:00	2.4	124	16	3.2	0
07/03/2023 06:10	2.2	125	20	3.3	0
07/03/2023 06:20	2.1	122	21	3.2	0
07/03/2023 06:30	2	120	19	3.1	0
07/03/2023 06:40	2.1	124	20	3.8	0
07/03/2023 06:50	2.2	129	25	3.2	0
07/03/2023 07:00	2	123	23	3	0
07/03/2023 07:10	1.6	125	28	2.5	0
07/03/2023 07:20	1.8	108	20	2.7	0
07/03/2023 07:30	1.2	95	21	2.2	0
07/03/2023 07:40	1.4	87	19	2.1	0
07/03/2023 07:50	1.4	84	18	2.3	0
07/03/2023 08:00	1.8	99	16	2.6	0
07/03/2023 08:10	2.1	108	20	3	0
07/03/2023 08:20	1.8	113	18	2.5	0
07/03/2023 08:30	2.2	111	16	2.9	0
07/03/2023 08:40	2.2	104	16	3	0
07/03/2023 08:50	2.1	100	16	3.2	0
07/03/2023 09:00	2.6	99	16	4.3	0
07/03/2023 09:10	2.1	104	21	2.8	0
07/03/2023 09:20	2	113	21	3.4	0
07/03/2023 09:30	2.5	117	15	3.3	0
07/03/2023 09:40	1.9	108	19	3.1	0
07/03/2023 09:50	1.6	111	20	2.6	0
07/03/2023 10:00	1.8	103	24	2.9	0
07/03/2023 10:10	2.4	89	21	3.4	0
07/03/2023 10:20	2.4	76	16	3.5	0
07/03/2023 10:30	3.1	76	16	4.4	0
07/03/2023 10:40	2.7	76	17	3.8	0
07/03/2023 10:50	2.9	79	16	3.7	0
07/03/2023 11:00	2.3	78	19	3.2	0
07/03/2023 11:10	2.3	58	17	3.3	0
07/03/2023 11:20	2.1	54	17	2.8	0
07/03/2023 11:30	2.2	47	14	3.2	0
07/03/2023 11:40	1.9	67	20	2.9	0
07/03/2023 11:50	2.2	54	18	3.1	0
07/03/2023 12:00	2.2	76	23	3	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/03/2023 12:10	2.5	68	19	3.6	0
07/03/2023 12:20	2.4	70	16	3.2	0
07/03/2023 12:30	2.4	103	19	4	0
07/03/2023 12:40	2.6	134	23	3.9	0
07/03/2023 12:50	2.5	124	22	3.9	0
07/03/2023 13:00	2.6	84	23	3.8	0
07/03/2023 13:10	2.9	81	14	4.4	0
07/03/2023 13:20	2.6	71	17	3.6	0
07/03/2023 13:30	2.8	55	12	3.6	0
07/03/2023 13:40	2.4	67	15	3.2	0
07/03/2023 13:50	2.3	62	17	3	0
07/03/2023 14:00	2.6	47	18	3.3	0
07/03/2023 14:10	2.9	45	13	4.1	0
07/03/2023 14:20	2.6	52	14	3.6	0
07/03/2023 14:30	2.8	44	14	4.1	0
07/03/2023 14:40	3	41	15	4	0
07/03/2023 14:50	3	41	14	3.9	0
07/03/2023 15:00	2.8	53	14	3.6	0
07/03/2023 15:10	2.6	46	15	3.5	0
07/03/2023 15:20	2.8	46	14	3.7	0
07/03/2023 15:30	2.5	55	16	3.4	0
07/03/2023 15:40	2.6	51	14	3.4	0
07/03/2023 15:50	2.5	44	15	3.5	0
07/03/2023 16:00	2.5	50	14	3.6	0
07/03/2023 16:10	2.8	47	15	4	0
07/03/2023 16:20	2.6	41	12	3.6	0
07/03/2023 16:30	2	48	14	2.7	0
07/03/2023 16:40	2.4	50	10	3.2	0
07/03/2023 16:50	1.8	47	14	2.4	0
07/03/2023 17:00	1.4	59	13	2	0
07/03/2023 17:10	1.2	56	13	1.9	0
07/03/2023 17:20	0.4	52	15	1.3	0
07/03/2023 17:30	0.2	136	35	0.8	0
07/03/2023 17:40	0.4	245	14	1.2	0
07/03/2023 17:50	1.5	305	10	2.2	0
07/03/2023 18:00	1.4	319	15	2	0
07/03/2023 18:10	1.5	318	13	2.1	0
07/03/2023 18:20	1.4	314	11	2	0
07/03/2023 18:30	1.4	303	12	2	0
07/03/2023 18:40	1	297	13	1.5	0
07/03/2023 18:50	0.9	277	15	1.2	0
07/03/2023 19:00	0.9	278	15	1.4	0
07/03/2023 19:10	0.9	272	17	1.2	0
07/03/2023 19:20	1.3	256	20	2	0
07/03/2023 19:30	1.1	267	20	1.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/03/2023 19:40	1	223	25	1.3	0
07/03/2023 19:50	1	239	18	1.5	0
07/03/2023 20:00	0.6	261	20	1.2	0
07/03/2023 20:10	0.4	207	14	0.8	0
07/03/2023 20:20	0.5	215	14	1.2	0
07/03/2023 20:30	0.7	232	18	1	0
07/03/2023 20:40	1.4	205	13	2	0
07/03/2023 20:50	0.8	204	47	1.4	0
07/03/2023 21:00	0.8	211	29	1.6	0
07/03/2023 21:10	1.3	191	21	2	0
07/03/2023 21:20	1.9	205	17	3.1	0
07/03/2023 21:30	1.6	206	22	3.1	0
07/03/2023 21:40	1.6	204	22	2.4	0
07/03/2023 21:50	1	208	27	1.8	0
07/03/2023 22:00	1.4	232	28	2.2	0
07/03/2023 22:10	0.8	210	48	2.1	0
07/03/2023 22:20	1.2	213	40	2.4	0
07/03/2023 22:30	1	227	44	1.9	0
07/03/2023 22:40	1.1	227	38	2.4	0
07/03/2023 22:50	1.5	231	23	2.4	0
07/03/2023 23:00	1.1	207	32	1.9	0
07/03/2023 23:10	1.3	213	27	2	0
07/03/2023 23:20	0.9	239	30	1.6	0
07/03/2023 23:30	0.9	287	13	1.6	0
07/03/2023 23:40	0.6	274	25	1.4	0
07/03/2023 23:50	1.2	245	45	2	0
07/04/2023 00:00	2	298	6	2.3	0
07/04/2023 00:10	1.5	291	15	1.9	0
07/04/2023 00:20	1.1	229	29	2.1	0
07/04/2023 00:30	3.9	196	16	6.4	0
07/04/2023 00:40	4.4	200	11	5.8	0
07/04/2023 00:50	4.2	199	10	6.1	0
07/04/2023 01:00	4.2	198	11	6	0
07/04/2023 01:10	4	198	10	5.6	0
07/04/2023 01:20	3.6	199	13	5.8	0
07/04/2023 01:30	4	197	11	5.7	0
07/04/2023 01:40	3.9	199	9	5.3	0
07/04/2023 01:50	3.5	200	10	4.6	0
07/04/2023 02:00	3	198	10	4.3	0
07/04/2023 02:10	3.7	200	11	5	0
07/04/2023 02:20	3.8	198	9	5.4	0
07/04/2023 02:30	3.5	189	11	5.2	0
07/04/2023 02:40	4.1	183	11	6	0
07/04/2023 02:50	4.9	180	9	6.3	0
07/04/2023 03:00	3.9	179	12	5.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/04/2023 03:10	4.5	178	11	6.1	0
07/04/2023 03:20	4.3	177	14	6	0
07/04/2023 03:30	4.6	179	12	6	0
07/04/2023 03:40	4.5	184	11	6.3	0
07/04/2023 03:50	5.1	183	10	7	0
07/04/2023 04:00	4.3	177	15	6.2	0
07/04/2023 04:10	4.9	182	11	6.6	0
07/04/2023 04:20	4.9	181	11	6.8	0
07/04/2023 04:30	5.6	179	10	6.9	0
07/04/2023 04:40	5.5	179	10	7	0
07/04/2023 04:50	5.6	176	9	7	0
07/04/2023 05:00	5.3	178	9	6.8	0
07/04/2023 05:10	4.9	176	9	6	0
07/04/2023 05:20	5.1	175	9	6.5	0
07/04/2023 05:30	4.4	177	9	5.7	0
07/04/2023 05:40	3.5	176	11	4.9	0
07/04/2023 05:50	4.2	174	9	5.5	0
07/04/2023 06:00	4.1	177	10	5.2	0
07/04/2023 06:10	3.2	189	18	4.8	0
07/04/2023 06:20	2.6	207	30	4.1	0
07/04/2023 06:30	3.7	184	13	5.6	0
07/04/2023 06:40	4.4	183	11	5.7	0
07/04/2023 06:50	4	180	15	5.6	0
07/04/2023 07:00	3.4	167	16	5.1	0
07/04/2023 07:10	4	183	12	6	0
07/04/2023 07:20	3.7	173	15	5.3	0
07/04/2023 07:30	3.2	168	15	4.5	0
07/04/2023 07:40	3.3	171	17	4.7	0
07/04/2023 07:50	3.1	165	16	4.5	0
07/04/2023 08:00	3.6	163	15	5	0
07/04/2023 08:10	3.3	166	16	4.7	0
07/04/2023 08:20	4.1	186	12	5.5	0
07/04/2023 08:30	3.6	178	15	4.7	0
07/04/2023 08:40	3.8	175	18	5.6	0
07/04/2023 08:50	3.8	172	16	5.7	0
07/04/2023 09:00	4	179	15	6	0
07/04/2023 09:10	4	182	12	5.8	0
07/04/2023 09:20	4.2	185	13	6	0
07/04/2023 09:30	3.7	172	17	4.8	0
07/04/2023 09:40	3.2	178	17	4.6	0
07/04/2023 09:50	3.2	175	17	4.8	0
07/04/2023 10:00	3.1	183	14	4.5	0
07/04/2023 10:10	2.7	143	21	4	0
07/04/2023 10:20	2.6	156	22	3.6	0
07/04/2023 10:30	2.4	170	20	3.3	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/04/2023 10:40	2.4	169	25	3.4	0
07/04/2023 10:50	2	181	27	3.5	0
07/04/2023 11:00	2.3	190	17	3.7	0
07/04/2023 11:10	2	170	23	3.3	0
07/04/2023 11:20	2.1	171	25	3.3	0
07/04/2023 11:30	2.7	205	23	4.4	0
07/04/2023 11:40	3.1	192	19	4.7	0
07/04/2023 11:50	2.7	210	23	4.1	0
07/04/2023 12:00	2.8	218	25	4.6	0
07/04/2023 12:10	3.1	200	25	4.8	0
07/04/2023 12:20	3.5	198	19	4.9	0
07/04/2023 12:30	3.3	192	20	5.2	0
07/04/2023 12:40	3.4	199	17	5.3	0
07/04/2023 12:50	3.1	203	24	5.6	0
07/04/2023 13:00	1.7	275	55	3.1	0
07/04/2023 13:10	2.8	261	47	9.5	0
07/04/2023 13:20	2.9	284	21	4.7	0
07/04/2023 13:30	2.6	281	31	4.5	0
07/04/2023 13:40	2.8	270	24	4.5	0
07/04/2023 13:50	2.7	271	28	4.4	0
07/04/2023 14:00	2.7	271	35	4.6	0
07/04/2023 14:10	3.2	268	30	5.6	0
07/04/2023 14:20	2.8	274	37	5.1	0
07/04/2023 14:30	3.2	268	26	5.2	0
07/04/2023 14:40	2.8	293	25	5	0
07/04/2023 14:50	3.2	279	25	5.8	0
07/04/2023 15:00	3.1	282	21	5.1	0
07/04/2023 15:10	3.3	275	19	5.6	0
07/04/2023 15:20	3.1	275	26	5.3	0
07/04/2023 15:30	2.8	279	24	5.1	0
07/04/2023 15:40	2.7	271	24	4.2	0
07/04/2023 15:50	3.1	267	24	5.2	0
07/04/2023 16:00	3	270	22	5.3	0
07/04/2023 16:10	3.1	271	22	4.8	0
07/04/2023 16:20	2.3	275	28	4.4	0
07/04/2023 16:30	3.1	266	18	4.8	0
07/04/2023 16:40	3.2	272	23	5	0
07/04/2023 16:50	3	291	26	5	0
07/04/2023 17:00	3.6	301	16	5.4	0
07/04/2023 17:10	3.2	304	18	4.8	0
07/04/2023 17:20	3.6	300	13	5.2	0
07/04/2023 17:30	3	304	20	4.4	0
07/04/2023 17:40	2.8	301	18	4	0
07/04/2023 17:50	2.2	288	22	3.6	0
07/04/2023 18:00	1.9	261	27	3.2	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/04/2023 18:10	1.9	268	29	3.4	0
07/04/2023 18:20	2.2	265	25	4	0
07/04/2023 18:30	2.2	258	29	3.8	0
07/04/2023 18:40	1.5	223	46	3.1	0
07/04/2023 18:50	1.3	239	48	2.8	0
07/04/2023 19:00	1.9	258	32	3.5	0
07/04/2023 19:10	1.2	227	47	2	0
07/04/2023 19:20	1.4	248	54	2.8	0
07/04/2023 19:30	1.2	281	57	2.4	0
07/04/2023 19:40	1.1	252	93	2.7	0
07/04/2023 19:50	1.1	216	85	2.4	0
07/04/2023 20:00	1.1	209	69	2.4	0
07/04/2023 20:10	1	227	58	2.9	0
07/04/2023 20:20	1.3	295	39	2.4	0
07/04/2023 20:30	1.4	308	23	2.4	0
07/04/2023 20:40	1.4	285	24	2.4	0
07/04/2023 20:50	1	279	20	1.8	0
07/04/2023 21:00	0.3	288	21	1.2	0
07/04/2023 21:10	0.4	220	53	1.6	0
07/04/2023 21:20	0.7	203	74	2.3	0
07/04/2023 21:30	0.9	193	71	2	0
07/04/2023 21:40	0.5	182	44	1.3	0
07/04/2023 21:50	0.5	191	56	1.6	0
07/04/2023 22:00	0.6	291	50	1.8	0
07/04/2023 22:10	1.4	288	21	2.4	0
07/04/2023 22:20	0.1	109	15	0.8	0
07/04/2023 22:30	0.3	194	38	0.9	0
07/04/2023 22:40	0.8	232	35	1.7	0
07/04/2023 22:50	0.7	184	25	2	0
07/04/2023 23:00	0.7	288	32	1.6	0
07/04/2023 23:10	0.2	304	27	1	0
07/04/2023 23:20	0.7	253	52	1.6	0
07/04/2023 23:30	0.8	287	29	1.8	0
07/04/2023 23:40	1.5	290	17	1.9	0
07/04/2023 23:50	1.5	290	15	2.2	0
07/05/2023 00:00	1.5	300	15	2	0
07/05/2023 00:10	1.1	303	25	1.7	0
07/05/2023 00:20	0.9	330	68	2	0
07/05/2023 00:30	0.4	210	57	1.2	0
07/05/2023 00:40	0.5	120	57	1.2	0
07/05/2023 00:50	0.5	279	32	1.5	0
07/05/2023 01:00	0.6	280	46	1.6	0
07/05/2023 01:10	0.7	309	52	1.7	0
07/05/2023 01:20	0.8	291	30	1.7	0
07/05/2023 01:30	1.2	279	38	1.9	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/05/2023 01:40	1.4	267	33	3	0
07/05/2023 01:50	1	278	40	2.3	0
07/05/2023 02:00	0.9	277	41	1.9	0
07/05/2023 02:10	0.8	291	77	1.6	0
07/05/2023 02:20	1.2	283	33	2.1	0
07/05/2023 02:30	1.1	278	31	2	0
07/05/2023 02:40	1.5	276	28	2.4	0
07/05/2023 02:50	1.4	285	17	2.2	0
07/05/2023 03:00	1.2	293	18	2	0
07/05/2023 03:10	1.4	288	18	2.3	0
07/05/2023 03:20	1.1	248	44	1.8	0
07/05/2023 03:30	0.8	188	45	1.6	0
07/05/2023 03:40	0.8	232	65	2	0
07/05/2023 03:50	0.5	159	50	1.6	0
07/05/2023 04:00	1	302	36	1.7	0
07/05/2023 04:10	0.9	312	30	1.9	0
07/05/2023 04:20	1.1	307	20	1.6	0
07/05/2023 04:30	0.7	313	28	1.4	0
07/05/2023 04:40	0.7	296	30	1.6	0
07/05/2023 04:50	0.5	264	26	1.9	0
07/05/2023 05:00	0.5	317	44	1.4	0
07/05/2023 05:10	1.5	313	11	2.2	0
07/05/2023 05:20	2	294	7	2.4	0
07/05/2023 05:30	1.9	296	5	2.2	0
07/05/2023 05:40	1.9	295	4	2.2	0
07/05/2023 05:50	1.7	291	5	2.1	0
07/05/2023 06:00	1.3	277	9	1.6	0
07/05/2023 06:10	1.3	271	9	1.9	0
07/05/2023 06:20	1.4	265	11	1.8	0
07/05/2023 06:30	0.6	279	6	1.3	0
07/05/2023 06:40	1.3	264	11	1.8	0
07/05/2023 06:50	0.9	252	9	1.7	0
07/05/2023 07:00	1.2	246	11	1.7	0
07/05/2023 07:10	1.2	273	8	1.7	0
07/05/2023 07:20	1.1	285	12	1.6	0
07/05/2023 07:30	1.4	295	15	1.8	0
07/05/2023 07:40	1.4	309	11	1.9	0
07/05/2023 07:50	1	166	22	1.6	0
07/05/2023 08:00	0.6	43	24	1.2	0
07/05/2023 08:10	1.6	230	41	3	0
07/05/2023 08:20	2.2	208	19	3.3	0
07/05/2023 08:30	2.2	207	17	3.2	0
07/05/2023 08:40	2.7	200	15	4	0
07/05/2023 08:50	3.3	194	12	4.7	0
07/05/2023 09:00	3.6	193	13	5.1	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/05/2023 09:10	3.8	187	11	5	0
07/05/2023 09:20	2.8	184	17	4	0
07/05/2023 09:30	2.5	168	23	3.9	0
07/05/2023 09:40	2.5	150	26	4	0
07/05/2023 09:50	2.7	176	25	3.9	0
07/05/2023 10:00	3.2	179	20	5.1	0
07/05/2023 10:10	3.7	190	13	4.9	0
07/05/2023 10:20	3.9	201	13	5.1	0
07/05/2023 10:30	3.7	201	11	5.2	0
07/05/2023 10:40	3.4	200	14	4.8	0
07/05/2023 10:50	3.6	195	12	5.4	0
07/05/2023 11:00	3	196	18	4.4	0
07/05/2023 11:10	3.1	207	19	5.1	0
07/05/2023 11:20	2.9	193	21	4.4	0
07/05/2023 11:30	3.1	200	22	4.8	0
07/05/2023 11:40	3.6	195	16	5.4	0
07/05/2023 11:50	3.5	205	22	5	0
07/05/2023 12:00	3.2	209	19	5.1	0
07/05/2023 12:10	3.2	216	30	4.8	0
07/05/2023 12:20	2.9	224	32	4.6	0
07/05/2023 12:30	3.3	207	20	4.9	0
07/05/2023 12:40	2.7	208	25	4.8	0
07/05/2023 12:50	3.4	210	33	5.6	0
07/05/2023 13:00	3.5	213	25	5.8	0
07/05/2023 13:10	2.4	215	36	4.3	0
07/05/2023 13:20	3.3	205	23	5.1	0
07/05/2023 13:30	2.7	223	40	4.8	0
07/05/2023 13:40	2.3	224	40	4	0
07/05/2023 13:50	3.1	260	34	4.9	0
07/05/2023 14:00	3.2	277	27	4.8	0
07/05/2023 14:10	3.5	277	24	6	0
07/05/2023 14:20	3.5	273	27	6	0
07/05/2023 14:30	3.7	276	21	5.9	0
07/05/2023 14:40	3.5	284	24	5.6	0
07/05/2023 14:50	3.5	280	25	6.6	0
07/05/2023 15:00	3.3	287	25	5.5	0
07/05/2023 15:10	3.3	276	29	5.6	0
07/05/2023 15:20	3.8	280	24	6.4	0
07/05/2023 15:30	3.2	282	30	5.8	0
07/05/2023 15:40	3.7	280	26	5.5	0
07/05/2023 15:50	3.3	276	22	5.6	0
07/05/2023 16:00	3.3	278	21	5.2	0
07/05/2023 16:10	3.3	271	31	5.4	0
07/05/2023 16:20	2.8	270	38	4.5	0
07/05/2023 16:30	2.3	252	35	4	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/05/2023 16:40	2.6	273	30	4.8	0
07/05/2023 16:50	3	274	23	4.6	0
07/05/2023 17:00	3	274	22	4.7	0
07/05/2023 17:10	3.1	275	18	4.4	0
07/05/2023 17:20	2.5	270	30	4	0
07/05/2023 17:30	2.2	282	19	3.7	0
07/05/2023 17:40	2.6	279	20	4.4	0
07/05/2023 17:50	1.9	272	22	3.6	0
07/05/2023 18:00	1.4	258	32	3.1	0
07/05/2023 18:10	1.3	237	50	2.5	0
07/05/2023 18:20	2	269	25	3.2	0
07/05/2023 18:30	1.2	273	62	2.5	0
07/05/2023 18:40	1.2	271	45	2	0
07/05/2023 18:50	1	262	45	2.1	0
07/05/2023 19:00	0.3	135	38	1.5	0
07/05/2023 19:10	1.1	290	34	1.8	0
07/05/2023 19:20	1.4	301	19	2.1	0
07/05/2023 19:30	2.3	303	10	2.8	0
07/05/2023 19:40	2.2	302	13	3.1	0
07/05/2023 19:50	1.9	299	18	2.6	0
07/05/2023 20:00	1.3	301	24	2.4	0
07/05/2023 20:10	1.1	316	18	1.6	0
07/05/2023 20:20	0.9	299	41	1.5	0
07/05/2023 20:30	1.1	242	52	2	0
07/05/2023 20:40	1.1	165	54	2.2	0
07/05/2023 20:50	1.2	200	41	2.2	0
07/05/2023 21:00	1.6	206	35	2.8	0
07/05/2023 21:10	1.4	193	33	2.6	0
07/05/2023 21:20	1.4	194	31	2.7	0
07/05/2023 21:30	1.6	190	27	3.1	0
07/05/2023 21:40	1.7	188	28	3.1	0
07/05/2023 21:50	2.2	189	21	3.4	0
07/05/2023 22:00	2.7	188	16	4	0
07/05/2023 22:10	2.5	191	15	3.5	0
07/05/2023 22:20	1.8	186	24	3	0
07/05/2023 22:30	1.2	188	52	2.1	0
07/05/2023 22:40	1.2	233	43	2.3	0
07/05/2023 22:50	1.6	246	33	2.9	0
07/05/2023 23:00	1.7	274	25	2.8	0
07/05/2023 23:10	1.4	286	15	1.8	0
07/05/2023 23:20	1.5	260	26	2.5	0
07/05/2023 23:30	1.7	247	22	2.9	0
07/05/2023 23:40	2	251	22	3.2	0
07/05/2023 23:50	1.8	253	25	2.8	0
07/06/2023 00:00	2	259	17	2.8	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/06/2023 00:10	1.7	259	20	2.6	0
07/06/2023 00:20	1.5	261	24	2.4	0
07/06/2023 00:30	1.8	242	24	3.1	0
07/06/2023 00:40	2.3	220	20	3.6	0
07/06/2023 00:50	2.6	218	16	4.1	0
07/06/2023 01:00	2.3	218	22	3.8	0
07/06/2023 01:10	2.4	223	20	3.5	0
07/06/2023 01:20	2.1	223	20	3.2	0
07/06/2023 01:30	2.3	226	20	3.3	0
07/06/2023 01:40	2.3	225	19	3.6	0
07/06/2023 01:50	1.9	229	25	3	0
07/06/2023 02:00	1.9	241	22	2.9	0
07/06/2023 02:10	2	234	17	3.1	0
07/06/2023 02:20	2.4	218	13	3.5	0
07/06/2023 02:30	2.8	217	15	3.7	0
07/06/2023 02:40	3.1	210	13	4.1	0
07/06/2023 02:50	3.6	205	12	4.7	0
07/06/2023 03:00	3.8	206	11	5.3	0
07/06/2023 03:10	3.5	204	10	4.5	0
07/06/2023 03:20	3.7	205	11	4.6	0
07/06/2023 03:30	3.5	209	14	4.8	0
07/06/2023 03:40	3.3	210	12	4.4	0
07/06/2023 03:50	3.5	204	12	4.8	0
07/06/2023 04:00	3.7	202	10	4.9	0
07/06/2023 04:10	3.7	202	10	4.8	0
07/06/2023 04:20	4.3	197	8	5.4	0
07/06/2023 04:30	4.8	196	10	6	0
07/06/2023 04:40	4.4	196	12	5.7	0
07/06/2023 04:50	4.6	197	10	6.3	0
07/06/2023 05:00	4	195	12	5.7	0
07/06/2023 05:10	3.9	197	10	5.2	0
07/06/2023 05:20	4.2	194	9	5.2	0
07/06/2023 05:30	4.1	196	9	5.6	0
07/06/2023 05:40	4	193	10	5.6	0
07/06/2023 05:50	3.6	193	13	4.9	0
07/06/2023 06:00	3.7	193	12	5.3	0
07/06/2023 06:10	3.2	186	14	4.5	0
07/06/2023 06:20	3.8	190	12	4.9	0
07/06/2023 06:30	3.9	193	12	5.1	0
07/06/2023 06:40	3.5	188	12	4.7	0
07/06/2023 06:50	3.4	188	14	4.9	0
07/06/2023 07:00	3.4	191	11	4.4	0
07/06/2023 07:10	3	186	14	4.3	0
07/06/2023 07:20	3.1	184	13	4.8	0
07/06/2023 07:30	3.2	187	12	4.6	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/06/2023 07:40	3.2	182	15	4.7	0
07/06/2023 07:50	3.1	180	15	4.6	0
07/06/2023 08:00	3	179	15	4.5	0
07/06/2023 08:10	2.8	175	20	4.2	0
07/06/2023 08:20	2.3	158	22	4.2	0
07/06/2023 08:30	2.3	161	21	3.6	0
07/06/2023 08:40	2.6	166	22	4.2	0
07/06/2023 08:50	2.4	162	23	3.4	0
07/06/2023 09:00	2.8	154	18	4.7	0
07/06/2023 09:10	3	159	18	4	0
07/06/2023 09:20	2.7	156	21	4.4	0
07/06/2023 09:30	2.7	144	25	4.6	0
07/06/2023 09:40	2.3	126	32	4.4	0
07/06/2023 09:50	2.7	124	29	4.6	0
07/06/2023 10:00	3	116	17	4.2	0
07/06/2023 10:10	2.9	115	19	4	0
07/06/2023 10:20	2.4	112	18	3.7	0
07/06/2023 10:30	2.1	105	20	3	0
07/06/2023 10:40	2.1	106	25	3.2	0
07/06/2023 10:50	2.3	78	18	3.8	0
07/06/2023 11:00	2.5	77	14	3.7	0
07/06/2023 11:10	2.3	85	18	3.1	0
07/06/2023 11:20	2.1	50	17	2.8	0
07/06/2023 11:30	2	71	18	3	0
07/06/2023 11:40	2	73	22	2.9	0
07/06/2023 11:50	1.7	72	29	2.6	0
07/06/2023 12:00	2	59	14	2.8	0
07/06/2023 12:10	2.6	56	14	3.5	0
07/06/2023 12:20	2.1	61	17	3.1	0
07/06/2023 12:30	2.3	42	20	3.2	0
07/06/2023 12:40	2.4	49	17	3.2	0
07/06/2023 12:50	2.6	52	16	3.7	0
07/06/2023 13:00	2.9	42	13	4	0
07/06/2023 13:10	3	48	15	4.2	0
07/06/2023 13:20	3.2	47	9	4	0
07/06/2023 13:30	2.9	45	14	4	0
07/06/2023 13:40	3.4	50	9	4.4	0
07/06/2023 13:50	3.3	44	12	4.2	0
07/06/2023 14:00	3.1	40	13	4.1	0
07/06/2023 14:10	3	41	14	4.3	0
07/06/2023 14:20	3.3	44	14	4.3	0
07/06/2023 14:30	3.2	46	12	4.8	0
07/06/2023 14:40	3.2	39	13	4.4	0
07/06/2023 14:50	3.4	41	14	4.4	0
07/06/2023 15:00	3.3	45	15	4.6	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/06/2023 15:10	3.3	40	12	4.6	0
07/06/2023 15:20	3.3	41	13	4.4	0
07/06/2023 15:30	3.1	37	14	4.4	0
07/06/2023 15:40	3	45	14	4	0
07/06/2023 15:50	3.1	45	12	4	0
07/06/2023 16:00	3	43	13	3.8	0
07/06/2023 16:10	2.8	46	14	4	0
07/06/2023 16:20	2.2	46	15	3.3	0
07/06/2023 16:30	2.5	43	14	3.8	0
07/06/2023 16:40	2.1	35	13	3.1	0
07/06/2023 16:50	2.4	38	16	3.8	0
07/06/2023 17:00	2.4	16	11	3.4	0
07/06/2023 17:10	3	8	13	4.4	0
07/06/2023 17:20	2.5	353	12	3.6	0
07/06/2023 17:30	1.6	348	13	2.3	0
07/06/2023 17:40	1.1	316	16	1.6	0
07/06/2023 17:50	1.5	284	18	2.3	0
07/06/2023 18:00	1.5	243	39	2.6	0
07/06/2023 18:10	2.1	267	19	3.2	0
07/06/2023 18:20	1.1	263	37	2.4	0
07/06/2023 18:30	1.5	270	23	2.7	0
07/06/2023 18:40	1	228	42	2.2	0
07/06/2023 18:50	1	209	46	1.8	0
07/06/2023 19:00	0.9	249	53	1.7	0
07/06/2023 19:10	1	230	41	2.2	0
07/06/2023 19:20	1.4	204	30	2.6	0
07/06/2023 19:30	1.3	207	36	2.3	0
07/06/2023 19:40	1.6	219	40	3	0
07/06/2023 19:50	1.9	209	29	3.1	0
07/06/2023 20:00	1.7	213	27	3.2	0
07/06/2023 20:10	1.6	204	26	2.7	0
07/06/2023 20:20	1.8	196	19	2.7	0
07/06/2023 20:30	1.8	204	23	2.8	0
07/06/2023 20:40	1.3	197	29	2.5	0
07/06/2023 20:50	1.8	209	21	2.6	0
07/06/2023 21:00	1.5	206	28	2.4	0
07/06/2023 21:10	1.8	202	21	3.1	0
07/06/2023 21:20	1.9	204	17	2.8	0
07/06/2023 21:30	1.5	209	28	2.5	0
07/06/2023 21:40	1.6	217	24	2.9	0
07/06/2023 21:50	2.2	215	18	3.2	0
07/06/2023 22:00	1.8	211	22	2.8	0
07/06/2023 22:10	0.9	245	73	2	0
07/06/2023 22:20	0.6	238	82	1.6	0
07/06/2023 22:30	1	224	68	2	0





## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/06/2023 22:40	1.9	231	38	3.7	0
07/06/2023 22:50	2.9	200	19	4.7	0
07/06/2023 23:00	3.6	200	16	5.2	0
07/06/2023 23:10	3.5	201	16	5	0
07/06/2023 23:20	2.9	202	15	4.4	0
07/06/2023 23:30	2.6	214	30	4.9	0
07/06/2023 23:40	1.6	234	38	2.8	0
07/06/2023 23:50	2.6	211	29	5.2	0
07/07/2023 00:00	2.5	213	34	4	0
07/07/2023 00:10	1.9	210	37	3.4	0
07/07/2023 00:20	1.6	227	44	3.2	0
07/07/2023 00:30	1.8	239	34	3.6	0
07/07/2023 00:40	1.7	233	36	3	0
07/07/2023 00:50	1.4	221	60	2.9	0
07/07/2023 01:00	1.5	232	38	3	0
07/07/2023 01:10	1.7	232	32	3	0
07/07/2023 01:20	1.6	241	42	3.2	0
07/07/2023 01:30	1.8	212	28	2.9	0
07/07/2023 01:40	1.7	206	38	2.8	0
07/07/2023 01:50	1.4	225	36	2.8	0
07/07/2023 02:00	2	235	34	3.2	0
07/07/2023 02:10	1.8	243	30	3.1	0
07/07/2023 02:20	1.6	243	33	2.5	0
07/07/2023 02:30	0.9	235	43	1.6	0
07/07/2023 02:40	1.5	277	20	2.3	0
07/07/2023 02:50	1.7	278	9	2.3	0
07/07/2023 03:00	1.7	280	8	2.1	0
07/07/2023 03:10	2.2	266	10	2.8	0
07/07/2023 03:20	1.1	280	29	2	0
07/07/2023 03:30	1.4	293	16	2	0
07/07/2023 03:40	1	228	43	2.4	0
07/07/2023 03:50	3.6	197	11	4.8	0
07/07/2023 04:00	3.5	195	10	4.8	0
07/07/2023 04:10	3.8	198	10	4.8	0
07/07/2023 04:20	4.1	196	10	5.1	0
07/07/2023 04:30	3.8	195	10	5	0
07/07/2023 04:40	4.8	196	8	6.3	0
07/07/2023 04:50	3.8	187	11	5.1	0
07/07/2023 05:00	2.8	179	14	3.7	0
07/07/2023 05:10	4.6	196	9	5.9	0
07/07/2023 05:20	3.3	188	14	4.6	0
07/07/2023 05:30	2.2	176	16	3.5	0
07/07/2023 05:40	1.5	162	20	2.2	0
07/07/2023 05:50	1.5	161	24	2.8	0
07/07/2023 06:00	1.5	162	22	2.5	0



## Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/07/2023 06:10	1.8	153	26	3.2	0
07/07/2023 06:20	2.2	149	20	3.6	0
07/07/2023 06:30	2.1	152	19	3.6	0
07/07/2023 06:40	2.7	158	17	4	0
07/07/2023 06:50	2.3	117	22	4.3	0
07/07/2023 07:00	1.7	120	34	3.4	0
07/07/2023 07:10	1.5	126	29	3.4	0
07/07/2023 07:20	2	123	25	4	0
07/07/2023 07:30	2.1	109	32	3.8	0
07/07/2023 07:40	1.9	108	17	3.1	0
07/07/2023 07:50	1.8	106	15	2.6	0
07/07/2023 08:00	1.7	104	18	2.5	0
07/07/2023 08:10	1.4	93	20	2.2	0
07/07/2023 08:20	1.7	118	22	2.8	0
07/07/2023 08:30	1.4	94	20	2.5	0
07/07/2023 08:40	1.9	76	16	2.8	0
07/07/2023 08:50	2	64	22	2.9	0
07/07/2023 09:00	2.4	82	19	3.9	0
07/07/2023 09:10	2.2	83	18	3.2	0
07/07/2023 09:20	2	92	23	3.1	0
07/07/2023 09:30	1.9	96	23	3	0
07/07/2023 09:40	1.8	109	22	2.7	0
07/07/2023 09:50	2	91	24	2.8	0
07/07/2023 10:00	2.4	96	21	3.6	0
07/07/2023 10:10	1.7	102	30	2.7	0
07/07/2023 10:20	2.4	82	21	3.6	0
07/07/2023 10:30	2.7	80	17	4.6	0
07/07/2023 10:40	3	76	19	4.8	0
07/07/2023 10:50	3.6	83	17	5.5	0
07/07/2023 11:00	3.8	85	15	5.6	0
07/07/2023 11:10	3.1	80	17	4.3	0
07/07/2023 11:20	2.8	72	18	4.3	0
07/07/2023 11:30	2.9	71	16	4.2	0
07/07/2023 11:40	2.9	82	20	4.4	0
07/07/2023 11:50	3.4	83	15	4.8	0
07/07/2023 12:00	3	86	18	5.6	0
07/07/2023 12:10	2.6	77	20	3.9	0
07/07/2023 12:20	2.7	77	22	3.8	0
07/07/2023 12:30	2.1	60	24	3	0
07/07/2023 12:40	2.5	62	19	3.6	0
07/07/2023 12:50	2.1	46	18	2.8	0
07/07/2023 13:00	2	53	15	2.8	0
07/07/2023 13:10	1.9	45	17	3	0
07/07/2023 13:20	1.9	63	19	3	0
07/07/2023 13:30	2.4	49	15	3.6	0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/07/2023 13:40	2.7	49	14	4	0
07/07/2023 13:50	2.7	48	15	4	0
07/07/2023 14:00	3.4	47	12	4.7	0
07/07/2023 14:10	3.4	40	14	4.6	0
07/07/2023 14:20	3.8	31	14	5.2	0
07/07/2023 14:30	3.7	35	12	4.9	0
07/07/2023 14:40	3.4	35	14	4.8	0
07/07/2023 14:50	3.7	35	13	5.5	0
07/07/2023 15:00	3.5	37	15	5.2	0
07/07/2023 15:10	3.2	40	14	4.6	0
07/07/2023 15:20	3	41	15	4.4	0
07/07/2023 15:30	3	41	16	4.1	0
07/07/2023 15:40	3	37	15	4.6	0
07/07/2023 15:50	2.8	44	16	3.9	0
07/07/2023 16:00	2.7	45	15	4.1	0
07/07/2023 16:10	2.4	45	13	4	0
07/07/2023 16:20	2.4	45	15	3.5	0
07/07/2023 16:30	2.7	45	14	4	0
07/07/2023 16:40	2.5	42	12	3.5	0
07/07/2023 16:50	1.9	49	13	2.7	0
07/07/2023 17:00	1.3	65	19	2	0
07/07/2023 17:10	0.9	98	19	1.6	0
07/07/2023 17:20	0.7	98	22	1.6	0
07/07/2023 17:30	0.6	108	15	1.1	0
07/07/2023 17:40	0.9	110	10	1.2	0
07/07/2023 17:50	0.8	150	29	1.1	0
07/07/2023 18:00	1	173	10	1.2	0
07/07/2023 18:10	0.7	163	11	0.9	0
07/07/2023 18:20	0	139	0	0.4	0
07/07/2023 18:30	0.6	166	7	0.9	0
07/07/2023 18:40	0.7	170	10	0.9	0
07/07/2023 18:50	0.3	187	3	0.9	0
07/07/2023 19:00					0
07/07/2023 19:10					0
07/07/2023 19:20					0
07/07/2023 19:30	0.2	195	5	0.9	0
07/07/2023 19:40	0.1	165	2	0.8	0
07/07/2023 19:50					0
07/07/2023 20:00					0
07/07/2023 20:10					0
07/07/2023 20:20	0.4	345	4	1.3	0
07/07/2023 20:30					0
07/07/2023 20:40	0	12	1	0.4	0
07/07/2023 20:50					0
07/07/2023 21:00					0



# Yara Pilbara Nitrates- Hearson Cove 2022-23 Meteorological Conditions

Date/Time	WS	WD	Sigma	WS_Gust	Rain
	m/s	°	°	m/s	mm
07/07/2023 21:10					0
07/07/2023 21:20					0
07/07/2023 21:30	0.3	172	6	1	0
07/07/2023 21:40	0.8	343	12	1.2	0
07/07/2023 21:50	0.8	335	11	1.2	0
07/07/2023 22:00	0.5	331	27	0.8	0
07/07/2023 22:10	0.8	226	49	1.9	0
07/07/2023 22:20	1.4	136	32	2.6	0
07/07/2023 22:30	2	178	19	3.2	0
07/07/2023 22:40	2	171	22	3.2	0
07/07/2023 22:50	2.2	159	25	3.8	0
07/07/2023 23:00	2.5	143	25	4.1	0
07/07/2023 23:10	2.4	146	26	4.2	0
07/07/2023 23:20	2.6	147	22	4.1	0
07/07/2023 23:30	2.7	148	24	4.6	0
07/07/2023 23:40	2	150	27	3.7	0
07/07/2023 23:50	1.5	142	32	3.1	0
07/08/2023 00:00	1.5	130	38	2.4	0